



# CALL AND NOTICE OF REGULAR MEETING AT 7:00 PM OF THE VALLEJO CITY COUNCIL

**MAY 12, 2026**

## **COUNCIL MEMBERS**

Andrea Sorce (Mayor)  
Diosdado "JR" Matulac (Vice Mayor)  
Peter Bregenzer  
Helen-Marie Gordon  
Tonia Lediju, PhD  
Alexander Matias  
Charles Palmares

**HYBRID MEETING**  
[www.Cityofvallejo.net](http://www.Cityofvallejo.net)

**Council Chambers**  
**555 Santa Clara Street**  
**Vallejo, CA 94590**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <p><b>NOTICE:</b> Members of the Public will be able to participate in-person or remotely via Zoom</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>City Hall and the Council Chambers will be open to members of the public 30 minutes prior to the start of the meeting.</p>                                                                                                                                                                                                                                                                                                                                               |
| <p><b>PUBLIC COMMENT:</b> Members of the Public may provide public comments during the City Council Meeting in person or via ZOOM<br/>(<a href="https://ZoomRegular.Cityofvallejo.net">https://ZoomRegular.Cityofvallejo.net</a>), or via phone, by dialing (669) 900-6833.</p>                                                                                                                                                                                                                                                                                           | <p>For additional instructions on how to speak remotely during public comment, please visit, <a href="http://www.cityofvallejo.net/publiccomment">www.cityofvallejo.net/publiccomment</a></p>                                                                                                                                                                                                                                                                               |
| <p><b><u>VIEW THE MEETING:</u></b><br/>There are four different ways you can view this public meeting:</p> <ul style="list-style-type: none"> <li>• In Person</li> <li>• Watch Vallejo local channel 28</li> <li>• Stream from the City website: <a href="http://www.cityofvallejo.net/Streaming">www.cityofvallejo.net/Streaming</a></li> <li>• Join the Zoom webinar: <a href="https://ZoomRegular.Cityofvallejo.net">https://ZoomRegular.Cityofvallejo.net</a></li> </ul>                                                                                              | <p>Scan QR code for live captions and translation in Spanish and Tagalog.</p>                                                                                                                                                                                                                                                                                                          |
| <p><b>Hybrid Options are available for members of the public to participate. To participate remotely</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p><b><u>Option to Join by Computer</u></b><br/>From your browser go to <a href="https://ZoomRegular.CityofVallejo.net">https://ZoomRegular.CityofVallejo.net</a> to launch and join the zoom application.<br/>Meeting ID: 914 0075 0676#<br/>Meeting Password: 131313</p>                                                                                                                                                                                                                                                                                                | <p><b><u>Option to Join by Phone</u></b><br/>Dial (669) 900-6833<br/>Enter Meeting ID: 914 0075 0676#<br/>Meeting Password: 131313<br/>Press *9 to digitally raise your hand from the phone.<br/>Press *6 to unmute/mute</p>                                                                                                                                                                                                                                                |
| <p>Any supplemental writing related to an agenda item for an open session of a regular meeting that is distributed to all or a majority of all members of the City Council less than 72 hours before the meeting will be posted concurrently on the City's website at <a href="http://www.cityofvallejo.net/agendas">www.cityofvallejo.net/agendas</a> Written material distributed during the meeting, will be available at the meeting if prepared by the City or after the meeting if prepared by someone else. Such materials may be obtained from the City Clerk</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>Vallejo City Council Chambers ADA compliant. Devices for the hearing impaired are available from the City Clerk. Requests for disability related modifications or accommodations, aids or services may be made by a person with a disability to the City Clerk's office no less than 72 hours prior to the meeting as required by Section 202 of the Americans with Disabilities Act of 1990 and the federal rules and regulations adopted in implementation thereof</p> |

## **AGENDA**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. REPORT OUT OF CLOSED SESSION**
- 5. PRESENTATIONS AND COMMENDATIONS**
  - A. VALLEJO YOUTH DELEGATION TO WASHINGTON, DC. PRESENTATION**
  - B. VALLEJO ENVIRONMENTAL LEADERSHIP FELLOWSHIP PRESENTATIONS**

**6. FIRST COMMUNITY FORUM**

*The Community Forum is an opportunity to address the Council on any matter for which another opportunity to speak is not provided on the agenda, and which is within the jurisdiction of the Council to resolve. Any interested members of the public desiring to communicate with the City Council as part of the First Community Forum may do so in person by signing in to the Public Speaker's kiosk located in the back of the Council Chambers or via ZOOM:(<https://ZoomRegular.Cityofvallejo.net>), Option to join by phone: Dial (669) 900-6833. Enter Meeting ID: 914 0075 0676#. Press \* 9 to digitally raise your hand from the phone. Press \*6 to unmute/mute. For additional instructions on how to speak remotely during public comment, please visit, [www.cityofvallejo.net/publiccomment](http://www.cityofvallejo.net/publiccomment). In person speakers will be recognized first. When called upon, each speaker should step to the podium, state his/her name for the record. The conduct of the community forum shall be limited to a maximum of fifteen (15) minutes, with each speaker limited to a maximum of three minutes pursuant to Vallejo Municipal Code Section 2.02.300.*

**7. PUBLIC COMMENT REGARDING CONSENT CALENDAR ITEMS**

*Members of the public wishing to address the Council on Consent Calendar items may do so in person by signing in to the Public Speaker's kiosk located in the back of the Council Chambers or via ZOOM:(<https://ZoomRegular.Cityofvallejo.net>), Option to join by phone: Dial (669) 900-6833. Enter Meeting ID: 914 0075 0676#. Press \* 9 to digitally raise your hand from the phone. Press \*6 to unmute/mute. For additional instructions on how to speak remotely during public comment, please visit, [www.cityofvallejo.net/publiccomment](http://www.cityofvallejo.net/publiccomment). In person speakers will be recognized first. Each speaker is limited to three minutes pursuant to Vallejo Municipal Code Section 2.02.310. Requests for removal of Consent Items received from the public are subject to approval by a majority vote of the Council. Items removed from the Consent Calendar will be heard immediately after approval of the Consent Calendar and Agenda.*

**8. CONSENT CALENDAR AND APPROVAL OF AGENDA**

**A. APPROVAL OF MINUTES**

Recommendation: Approve minutes for the special meetings of April 20 and April 23, 2026

Contact: Dawn G. Abrahamson, MMC, City Clerk (707) 648-4527

[Dawn.Abrahamson@cityofvallejo.net](mailto:Dawn.Abrahamson@cityofvallejo.net)



- B. **WAIVE READING AND AUTHORIZING INTRODUCTIONS AND/OR ADOPTION OF ORDINANCES BY TITLE ONLY**  
Recommendation: Waive reading and authorize introductions and/or adoption of any and all ordinances on this agenda, if any, by title only. This is a standard procedural action so the City Council does not have to read an ordinance in its entirety.  
Contact: Dawn G. Abrahamson, MMC, City Clerk (707) 648-4527  
[Dawn.Abrahamson@cityofvallejo.net](mailto:Dawn.Abrahamson@cityofvallejo.net)
- C. **CITY TREASURER'S QUARTERLY INVESTMENT REPORT**  
Recommendation: Accept the City Treasurer's Investment Report for the quarter ended March 31, 2026  
Contact: Florita Cruz, Assistant Finance Director, (707) 648-5542  
[Florita.Cruz@cityofvallejo.net](mailto:Florita.Cruz@cityofvallejo.net)
- D. **ADOPT A RESOLUTION AMENDING THE FUND 149 FISCAL YEAR 2025–2026 BUDGET TO RECOGNIZE \$1,995,873 OF CALVIP COHORT 5 GRANT REVENUE FROM THE BOARD OF STATE AND COMMUNITY CORRECTIONS AND TO APPROPRIATE CORRESPONDING EXPENDITURES (STEP 2 OF 2)**  
Recommendation: As the second in a two-step process, adopt a Resolution amending the Fund 149 Fiscal Year 2025-2026 budget to recognize \$1,995,873 of CalVIP Cohort 5 Grant ("CalVIP Grant") revenue from the Board of State and Community Corrections ("BSCC") and to appropriate corresponding expenditures.  
Contact: Jason Ta, Chief of Police  
[jason.ta@cityofvallejo.net](mailto:jason.ta@cityofvallejo.net)
- E. **ADOPT A RESOLUTION RECEIVING AND FILING THE ANNUAL MEASURE P AND SINGLE AUDIT REPORTS FOR THE FISCAL YEAR ENDED JUNE 30, 2025**  
Recommendation: Adopt a resolution to receive and file the Annual Measure P and Single Audit reports for the fiscal year ended June 30, 2025.  
Contact: Florita Cruz, Assistant Finance Director (707) 648-5542  
[Florita.Cruz@cityofvallejo.net](mailto:Florita.Cruz@cityofvallejo.net)
- F. **ADOPT A RESOLUTION APPROVING THE FIFTH AMENDMENT TO THE LEASE BETWEEN THE CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC AT THE FERRY BUILDING FOR THE PURPOSE OF CONSENTING TO A SUBLEASE AGREEMENT BY AND BETWEEN THE SAN FRANCISCO BAY AREA WATER EMERGENCY TRANSPORTATION AUTHORITY (WETA), MARE ISLAND BREWING CO. LLC (MIBC), AND VALLEJO CONVENTION AND VISITORS BUREAU (VISIT VALLEJO) AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**  
Recommendation:  
  
Adopt a Resolution approving the Fifth Amendment to the Lease between the City of Vallejo and the Mare Island Brewing Co. LLC (MIBC) for the purpose of consenting to the sublease agreement by and between the San Francisco

Water Emergency Transportation Authority (WETA), Mare Island Brewing Co. LLC (MIBC), and Vallejo Convention and Visitors Bureau (Vist Vallejo) and authorizing the City Manager to execute same.

Contact: Brad Paul, Interim Economic Development Director (707) 648-4109  
[brad.paul@cityofvallejo.net](mailto:brad.paul@cityofvallejo.net)

**G. ADOPT A RESOLUTION APPROVING A NEW SUBDIVISION IMPROVEMENT AGREEMENT FOR FAIRVIEW AT NORTHGATE, PHASE 1, AND THE CONSTRUCTION PLANS FOR THE FAIRVIEW AT NORTHGATE BLUE ROCK SPRINGS CREEK BRIDGE AND ADMIRAL CALLAGHAN LANE & TURNER PARKWAY, VALLEJO CALIFORNIA**

Recommendation: Adopt a Resolution approving a new Subdivision Improvement Agreement for Fairview at Northgate, Phase 1, and the construction plans for the Fairview at Northgate Blue Rock Springs Creek Bridge and Admiral Callaghan Lane & Turner Parkway, Vallejo, California.

Contact: Brad Job, Public Works Director (707) 648-4433  
[Leonard.job@cityofvallejo.net](mailto:Leonard.job@cityofvallejo.net)

**H. ADOPT A RESOLUTION AUTHORIZING UP-TO \$50,000 FOR EMERGENCY ANIMAL CONTROL VETERINARY COSTS**

Recommendation: Adopt a resolution authorizing a not-to-exceed amount of \$50,000 for emergency veterinary services paid to Solano County.

Contact: Jason Ackley, Assistant to the City Manager (707) 648-4577  
[Jason.Ackley@cityofvallejo.net](mailto:Jason.Ackley@cityofvallejo.net)

**I. ADOPT A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A THREE-YEAR MEMORANDUM OF UNDERSTANDING BETWEEN COMMUNITY ACTION PARTNERSHIP SOLANO, JOINT POWERS AUTHORITY AND SOLANO COUNTY, BENICIA, FAIRFIELD, RIO VISTA, SUISUN CITY, VACAVILLE, AND VALLEJO TO PARTIALLY FUND THE COORDINATED ENTRY SYSTEM ADDRESSING HOMELESSNESS FROM DECEMBER 1, 2025 THROUGH DECEMBER 31, 2028 AND AUTHORIZE CITY MANAGER TO EXECUTE SAME**

Recommendation: Adopt a resolution of the City Council of the City of Vallejo approving a three-year memorandum of understanding between Community Action Partnership Solano, Joint Powers Authority and Solano County, Benicia, Fairfield, Rio Vista, Suisun City, Vacaville and Vallejo to partially fund the Coordinated Entry System addressing homelessness from December 1, 2025 through December 31, 2028.

Contact: Natalie Peterson, Assistant to the City Manager  
[Natalie.Peterson@cityofvallejo.net](mailto:Natalie.Peterson@cityofvallejo.net)

**J. ADOPT A RESOLUTION APPROVING A MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN THE CITY OF VALLEJO AND THE VALLEJO FLOOD AND WASTEWATER DISTRICT, SPECIFICALLY OUTLINING THE DUTIES AND RESPONSIBILITIES OF EACH AGENCY RELATED TO COMPLIANCE WITH THE MUNICIPAL REGIONAL**

**STORMWATER PERMIT ISSUED BY THE STATE AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

Recommendation: Adopt a Resolution approving a Memorandum of Understanding (MOU) between the City of Vallejo and the Vallejo Flood and Wastewater District, specifically outlining the duties and responsibilities of each agency related to compliance with the Municipal Regional Stormwater Discharge Permit issued by the State and authorizing the City Manager to execute same.

Contact: Brad Job, Public Works Director (707) 648-4105  
[Leonard.Job@cityofvallejo.net](mailto:Leonard.Job@cityofvallejo.net)

**9. ACTION CALENDAR**

*NOTICE: Members of the public wishing to address the Council on Action Calendar Items may do so in person by signing in to the Public Speaker's kiosk located in the back of the Council Chambers or via ZOOM (<https://ZoomRegular.Cityofvallejo.net>), or via phone, by dialing (669) 900-6833. Enter Meeting ID: 914 0075 0676#. Press \*9 to digitally raise your hand from the phone. Press \*6 to unmute/mute. For additional instructions on how to speak remotely during public comment, please visit, [www.cityofvallejo.net/publiccomment](http://www.cityofvallejo.net/publiccomment). Each speaker is limited to five minutes pursuant to Vallejo Municipal Code Section 2.02.420 or as approved and announced by the Mayor. In person speakers will be recognized first*

**A. RECEIVE AN UPDATE ON ECONOMIC DEVELOPMENT DEPARTMENT (EDD ACTIVITIES) AND RECOMMEND TO UNFREEZE THE SECRETARY AND ECONOMIC DEVELOPMENT PROGRAM MANAGER IN ORDER TO IMPLEMENT THE DEPARTMENT WORKPLAN AND ED STRATEGIC PLAN (EDSP)**

Recommendation: Receive an update on Economic Development (EDD Activities) and recommend to unfreeze the Secretary and Economic Development Program Manager in order to implement the Department Workplan and ED Strategic Plan (EDSP)

Contact: Brad Paul, Interim Economic Development Director  
[Brad.Paul@cityofvallejo.net](mailto:Brad.Paul@cityofvallejo.net)

**B. REQUEST AUTHORIZATION TO PROCEED WITH 6TH STREET ACCESS ROAD REPAVING**

Recommendation: Request authorization to proceed with 6th Street access road repaving design.

Contact: Brad Job, Public Works Director (707) 648-4433  
[Leonard.Job@cityofvallejo.net](mailto:Leonard.Job@cityofvallejo.net)

**C. ADOPT A RESOLUTION APPROVING A MEASURE P GRANT AGREEMENT TO GREATER VALLEJO RECREATION DISTRICT TO SUPPORT PUBLIC SAFETY AND YOUTH PRIORITIES AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE SAME IN AN AMOUNT NOT TO EXCEED \$300,000.00.**

Recommendation: Adopt a resolution approving a Measure P Grant Agreement to Greater Vallejo Recreation District to support Public Safety and Youth Priorities and authorize the City Manager to execute the same in an amount not to exceed \$300,000.00.

Contact: Gillian Haen, Assistant City Manager (707) 648-4163  
[gillian.haen@cityofvallejo.net](mailto:gillian.haen@cityofvallejo.net)

- D. ADOPT A RESOLUTION APPROVING A SECOND AMENDMENT TO THE CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT WITH 4LEAF, INC. TO INCREASE THE EXISTING NOT TO EXCEED AMOUNT FROM \$950,000 TO \$1,581,000 AND EXTEND THE TERM THROUGH JUNE 30, 2028, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME; AND PROVIDING NOTICE OF INTENT TO AMEND THE FISCAL YEAR 2025-2026 GENERAL FUND BUDGET IN THE AMOUNT OF \$631,000 TO COVER THE COST OF SERVICES (STEP 1 OF 2)**

Recommendation:

Adopt a Resolution approving a Second Amendment to the Consultant and Professional Services Agreement with 4LEAF, Inc. to increase the existing not to exceed amount from \$950,000 to \$1,581,000 and extend the term through June 30, 2028, and authorizing the City Manager to execute same. This action also includes providing notice of intent (as the first step in a two-step process) to amend the Fiscal Year 2025-2026 General Fund budget to correct the budget allocation previously approved and to appropriate expenditures in the amount of \$631,000.

Contact: Kristin Pollot, AICP, Planning & Development Services Director  
[Kristin.Pollot@cityofvallejo.net](mailto:Kristin.Pollot@cityofvallejo.net)

- E. ADOPT A RESOLUTION PROVIDING DIRECTION TO STAFF AFTER CONSIDERING THE PROPOSED AMENDMENTS TO THE VALLEJO FLOOD AND WASTEWATER DISTRICT GOVERNANCE STRUCTURE**

Recommendation: Staff recommends that the City Council review the proposed legislative language regarding the Vallejo Flood and Wastewater District governance structure and provide direction to staff on one of the following options: (1) support the proposal as drafted, (2) support the proposal with recommended amendments, (3) do not support the proposal, or (4) take no formal position and provide comments for informational purposes only. Staff will transmit the City Council's direction, if any, to the Vallejo Flood and Wastewater District and/or other relevant stakeholders as appropriate.

Contact: Sidney Wilson, Administrative Analyst (707) 648-4576  
[Sidney.Wilson@cityofvallejo.net](mailto:Sidney.Wilson@cityofvallejo.net)

**10. INFORMATION CALENDAR**

**11. CITY MANAGER'S REPORT**

**12. CITY ATTORNEY'S REPORT**

**13. COMMUNITY FORUM**

*Any interested members of the public desiring to communicate with the City Council as part of the last Community Forum may do so in person by signing in to the Public Speaker's kiosk located in the back of the Council Chambers or via ZOOM: (<https://ZoomRegular.Cityofvallejo.net>), Option to join by phone: Dial (669) 900-6833. Enter Meeting ID: 914 0075 0676#. Press \*9 to digitally raise your hand from the phone. Press \*6 to unmute/mute. For additional instructions on how to speak remotely during public comment, please visit, [www.cityofvallejo.net/publiccomment](http://www.cityofvallejo.net/publiccomment). In person speakers will be recognized first.*

**14. REQUEST & ACTIONS FOR FUTURE AGENDA ITEMS OR SPECIAL PROJECTS**

15. REPORT OF THE PRESIDING OFFICER AND MEMBERS OF THE CITY COUNCIL
16. ADJOURNMENT

**ADDITIONAL CITY INFORMATION**

Members of the public can:

- Like us on Facebook and Instagram ([@cityofvallejo](#))
- Sign up to receive City Communications via e-mail ([www.cityofvallejo.net/subscribe](http://www.cityofvallejo.net/subscribe))
- Sign up for emergency alerts at: [alertsolan.com](http://alertsolan.com)

Dated: Wednesday, May 6, 2026



Andrea Sorce, Mayor

I, Dawn Abrahamson, City Clerk do hereby certify that I have caused a true copy of the above notice and agenda to be delivered to

Andrea Sorce (Mayor)  
Diosdado "JR" Matulac (Vice Mayor)  
Peter Bregenzer  
Helen-Marie Gordon  
Tonia Lediju, PhD  
Alexander Matias  
Charles Palmares,

at the time and in the manner prescribed by law and that this agenda was posted at City Hall, 555 Santa Clara Street, CA at 3:45 p.m., Wednesday, May 6, 2026.

Dated: Wednesday, May 6, 2026



**VALLEJO CITY COUNCIL  
SPECIAL MEETING MINUTES  
APRIL 20, 2026**

**COUNCIL CHAMBERS  
555 Santa Clara Street, Vallejo, California**

**1. CALL TO ORDER**

The meeting was called to order at 5:03 p.m.

**2. ROLL CALL**

**Present:** Mayor Sorce, Vice Mayor Matulac, Councilmembers Bregenzer, Gordon, Lediju (arrived during Closed Session), Matias, and Palmares

**Absent:** None

**Staff present:** Acting City Manager Haen, Assistant City Manager Conley and City Attorney Nebb

The Council convened into Closed Session in the Law Library at 5:06 p.m.

**3. CLOSED SESSION**

A. **CONFERENCE WITH LEGAL COUNSEL-EXISTING LITIGATION:** Pursuant to Government Code Section 54956.9 (d)(1)  
Name of Case: *Taki dba Cigarette City v. City of Vallejo*, Case No. CU25-08261

B. **CONFERENCE WITH LEGAL COUNSEL-EXISTING LITIGATION:** Pursuant to Government Code Section 54956.9 (d)(1)  
Name of Case: *Himayat Hotaki dba Cigarettes for Less & Check Cashing v. City of Vallejo*, Case No. CU25-09788

C. **CONFERENCE WITH LEGAL COUNSEL-EXISTING LITIGATION:** Pursuant to Government Code Section 54956.9 (d)(1)  
Name of Case: *Kimberly Madkins v. City of Vallejo et al.*, Case No. CU24-03517

D. **CONFERENCE WITH LABOR NEGOTIATORS** Pursuant to Government Code Section 54957.6  
Agency Designated Representatives: Gillian Haen, Acting City Manager; Nalungo Conley, Assistant City Manager; and Stephanie Sifuentes, Human Resources Director  
Employee Organizations: Vallejo Police Officers Association (VPOA), International Association of Firefighters, Local 1186 (IAFF), Confidential, Administrative, Managerial, Professional Association (CAMP), and Unrepresented Employees

E. **PUBLIC EMPLOYEE EMPLOYMENT**  
Pursuant to Government Code Section 54957(b)  
Title: Interim City Manager



The Council convened into open session in the Council Chambers at 10:09 p.m.

City Attorney Nebb reported the following:

- Closed Session Item 3A, 3B and 3C – Council provided direction to its legal counsel. There is no further action to report.
- Closed Session Item 3D – Item was not heard this evening and there is no action to report.
- Closed Session Item 3E – Council provided direction to its agency representative and there is no further action to report.

**4. ADJOURNMENT**

The meeting adjourned at 10:11 p.m.

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ANDREA SORCE, MAYOR

ATTEST:

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DAWN G. ABRAHAMSON, CITY CLERK

**VALLEJO CITY COUNCIL  
SPECIAL MEETING MINUTES  
April 23, 2026**

**THE VALLEJO ROOM (Lower Level of the JFK Library)  
505 Santa Clara Street, Vallejo, California**

**1. CALL TO ORDER**

The meeting was called to order at 6:35 p.m.

**2. ROLL CALL**

Present: Mayor Sorce, Vice Mayor Matulac, Councilmembers Bregenzer, Gordon, Lediju (arrived during Closed Session) and Matias

**Absent:** Councilmember Palmares

**Staff present:** City Attorney Nebb

The Council convened into Closed Session in the Conference Room at 6:38p.m.

**3. CLOSED SESSION**

A. **CONFERENCE WITH LABOR NEGOTIATOR** Pursuant to Government Code Section 54957.6

Agency Designated Representative: Stephanie Sifuentes, Human Resources Director

Unrepresented Employee: Interim City Manager

The Council reconvened into open session at 8:28 p.m.

City Attorney Nebb reported Council provided direction to its agency representative and there is no further action to report.

**4. ADJOURNMENT**

The meeting adjourned at 8:30 p.m.

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ANDREA SORCE, MAYOR

ATTEST:

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DAWN G. ABRAHAMSON, CITY CLERK





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Nalungo Conley, Assistant City Manager/Acting Finance Director  
**SUBJECT:** **CITY TREASURER'S QUARTERLY INVESTMENT REPORT**

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**RECOMMENDATION**

Accept the City Treasurer's Investment Report for the quarter ended March 31, 2026

**REASONS FOR RECOMMENDATION**

The City's Investment Policy requires the City Treasurer to submit quarterly investment reports to the City Council.

**BACKGROUND AND DISCUSSION**

The City of Vallejo follows the provisions of California Government Code Sections 53601, 53635, and 53651 as guidelines for developing and implementing its investment policies and practices. The City Manager has delegated the authority for managing and investing City funds to the City Finance Director, who also serves as the City Treasurer. The Finance Director/Treasurer is authorized to invest and reinvest City funds, sell or exchange securities, and deposit securities for safekeeping in accordance with the Investment Policy approved annually by the City Council.

At the end of each calendar quarter, the City Treasurer is required by the City's adopted Investment Policy to report on the status of investments to the City Council. The City Treasurer's Investment Report as of March 31, 2026, is submitted. The report includes all securities managed by the City and its Investment Managers (excluding bond proceeds) and provides information on the values (par, fair, and cost), term, and yield of each security. Please note that because the safe-keeping custodian and the Investment Manager may use different pricing sources to determine the market value of the securities, there can be minor differences in market values shown on the custodian's monthly statement as compared to the Investment Manager's monthly statement.

Fair Value of individual securities has been provided by Chandler Asset Management. The City utilizes Principal Financial as its third-party safekeeping custodian for safekeeping of all investments except for the Local Agency Investment Fund (LAIF). LAIF, being a money market fund administered by the State Treasurer, has many governmental agency participants and holds securities through its own administrator.

The share of each fund in the City's pooled cash as of June 30, 2025, is as follows:

|                       |       |
|-----------------------|-------|
| Water Fund            | 26.1% |
| Capital Project Funds | 18.5% |
| General Fund          | 17.5% |
| Risk Funds            | 13.4% |
| LMD Funds             | 7.8%  |
| All other funds       | 16.8% |

Total 100%

Condensed investment information as of March 31, 2026, is as follows:

| Description                         | Par Value<br>of Portfolio | Fair Value<br>of Portfolio | Cost Basis<br>of Portfolio | Percentage of<br>Portfolio |
|-------------------------------------|---------------------------|----------------------------|----------------------------|----------------------------|
| <b>City of Vallejo:</b>             |                           |                            |                            |                            |
| U.S. Treasury Securities            | \$105,430,000.00          | \$105,399,509.71           | \$105,361,890.28           | 35.74%                     |
| Local Agency Investment Fund        | \$57,777,409.80           | \$57,777,409.80            | \$57,777,409.80            | 19.59%                     |
| Corporate Medium-Term Notes         | \$49,555,000.00           | \$49,369,725.47            | \$49,090,912.79            | 16.74%                     |
| U.S. Federal Agency Bonds           | \$4,000,000.00            | \$4,055,229.00             | \$3,997,510.00             | 1.37%                      |
| Money Market Mutual Funds           | \$50,300,763.82           | \$50,300,763.82            | \$50,300,763.82            | 17.05%                     |
| Asset Backed Securities             | \$5,965,952.03            | \$5,964,840.86             | \$5,965,135.94             | 2.02%                      |
| Collateralized Mortgage Obligations | \$16,475,600.99           | \$15,747,798.22            | \$15,770,753.25            | 5.34%                      |
| Supranational Obligations           | \$5,770,000.00            | \$5,759,285.91             | \$5,716,197.80             | 1.95%                      |
| Cash                                | \$559,991.44              | \$559,991.44               | \$559,991.44               | 0.19%                      |
| <b>Total</b>                        | <b>\$295,834,718.08</b>   | <b>\$294,934,554.23</b>    | <b>\$294,540,565.12</b>    | <b>100.00%</b>             |

Condensed earnings and return information as of March 31, 2026, is as follows:

|                                                           | Current Quarter | Fiscal Year-to-Date |
|-----------------------------------------------------------|-----------------|---------------------|
| Portfolio Investment Earnings:                            |                 |                     |
| City of Vallejo (Realized earnings) <sub>2</sub>          | \$ 2,854,525    | \$ 8,253,958        |
| City of Vallejo (Unrealized earnings)                     | \$ (1,328,355)  | \$ (846,900)        |
|                                                           |                 |                     |
| Net Change in Portfolio Fair Value Balance <sub>3</sub> : |                 |                     |
| City of Vallejo                                           | \$ 4,798,139    | \$ (5,841,575)      |
|                                                           |                 |                     |
| Approximate Portfolio Rate-of-Return:                     |                 |                     |
|                                                           |                 |                     |
| City of Vallejo - Yield to Maturity <sub>4</sub>          |                 | 3.84%               |

#### **BENCHMARK COMPARISON RATE-OF-RETURN<sub>5</sub>:**

Local Agency Investment Fund<sub>5</sub>

3.98%

2-Year U.S. Treasury Note Yield

0.04%

1 In accordance with Government Code Section 53646, the Fair Value of the Local Agency Investment Fund (LAIF) represents the value from the March 31, 2026, LAIF statement and has not been adjusted by the "Amortized Cost Factor" which is used in adjusting the statement balance to the actual "Fair Value" balance.

2 The City records interest income on a cash basis, whereas the attached statement uses the accrual basis. Since the accrual basis includes interest income earned but not received, there is a timing difference in recording the interest income between the City's books and the attached statement. This difference will be trued up at fiscal year-end.

3 The "Net Change in Portfolio Fair Value Balance" is primarily a measure of the difference in the inflows and outflows of funds during the period. The change is primarily due to the timing of the receipt of property tax revenues, which are received in December and April of each year, and the timing of the City making withdrawals in the ordinary course of business to pay for expenses.

4 Yield to Maturity is the interest income the portfolio will earn for the next twelve months expressed as a percentage. Yield to maturity assumes no changes during that twelve-month period.

5 These are the performance benchmarks stated in the City's Investment Policy. LAIF rate of return is as of March 31, 2026.

#### **COMPLIANCE**

All investment transactions were executed in accordance with the California Government Code and the City's Investment Policies. In accordance with California Government Code section 53646(b)(3), staff believes that the investments and budgeted revenues for the City will provide sufficient cash flow to meet the anticipated cash flow requirements of each entity for the next six months.

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Pooled cash and investments book balances are adjusted annually to reflect *fair value* as required by Generally Accepted Accounting Principles. The term *fair value* was formerly known as *market value* and became effective with the mandatory implementation of GASB 31 in fiscal year 1998. The attached investment schedules meet these requirements.

It should be noted that this is an investment portfolio report and does not include bank checking account deposits for the City. The Housing Authority is not required to file a quarterly report because it does not have any reportable investments since it closed its investment account and transferred all funds to its bank account, which is covered by a general depository agreement, as required by HUD.

### **FISCAL IMPACT**

There is no fiscal impact from this report. The City's portfolio had total investment earnings of \$2,854,525 during the three-month period ending March 31, 2026. In addition, the portfolio also had a cumulative fair value versus cost value unrealized, non-cash loss of approximately \$846,900 as of March 31, 2026. Fair value fluctuates from one period to another depending on the changes in interest rates and the supply and demand for bonds at a particular time. Therefore, there is often a difference between the cost value (the value at the time of purchase) and the fair value (the market value of the same security at a certain later period), creating an unrealized gain or loss.

### **ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

### **ATTACHMENTS**

|    |                                                        |
|----|--------------------------------------------------------|
| 1. | 2026.03.31_Quarterly Report_Vallejo                    |
| 2. | City of Vallejo and Economic Account Analysis 03-31-26 |

### **CONTACT**

Florita Cruz, Assistant Finance Director, (707) 648-5542

[Florita.Cruz@cityofvallejo.net](mailto:Florita.Cruz@cityofvallejo.net)

# INVESTMENT REPORT

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City of Vallejo | As of March 31, 2026

CHANDLER ASSET MANAGEMENT | [chandlerasset.com](http://chandlerasset.com)

**Chandler Team:**

For questions about your account, please call (800) 317-4747,  
or contact [clientservice@chandlerasset.com](mailto:clientservice@chandlerasset.com)



[ECONOMIC UPDATE](#)

[ACCOUNT PROFILE](#)

[CONSOLIDATED INFORMATION](#)

[PORTFOLIO HOLDINGS](#)

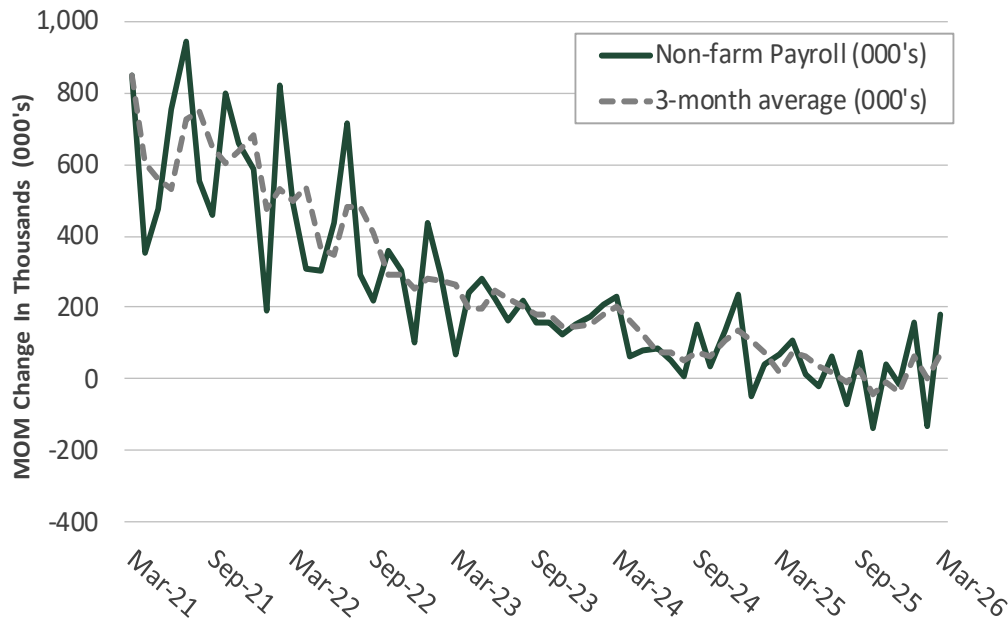
[TRANSACTIONS](#)

## ECONOMIC UPDATE

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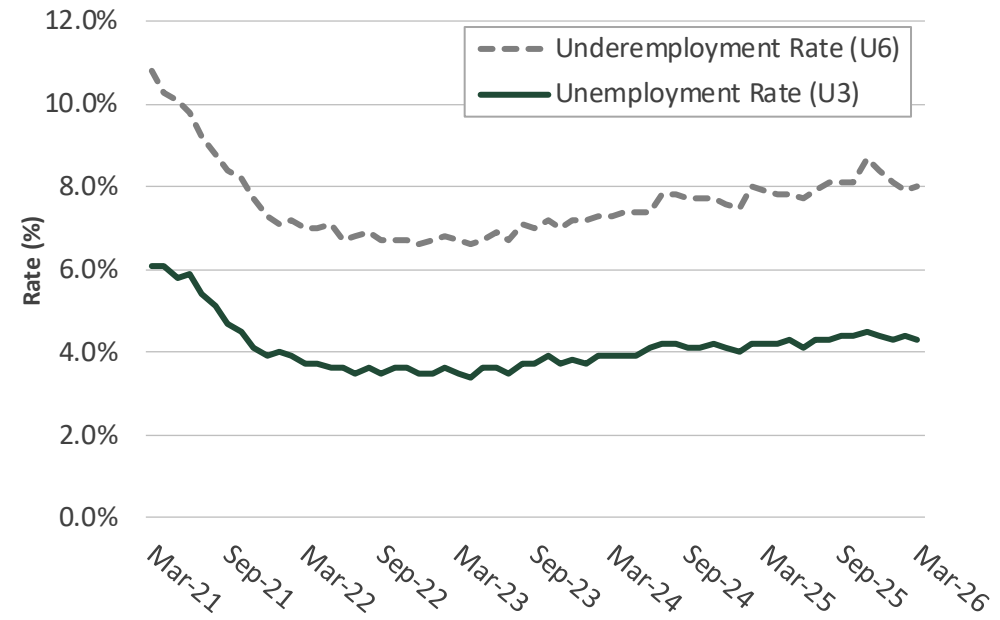
- March payrolls rebounded by 178,000 after February's revised 133,000 decline, but the war in Iran and its disruption of the Strait of Hormuz have pushed crude oil above \$112, injecting a potential inflationary shock into an economy contending with sticky core prices above 3%. The Federal Reserve has held the funds rate at 3.50–3.75% and is signaling a cautionary stance, keeping open the option of delaying cuts if oil-related inflation proves persistent rather than transitory. As the data flow normalizes, the Chandler team anticipates additional yield curve steepening as the Federal Reserve gradually guides the policy rate toward a more neutral range. The Federal Reserve's March dot plot still projects one cut this year, yet the Iran-driven energy shock has narrowed the path toward easing.
  
- The Federal Reserve's March 2026 FOMC meeting ended with policymakers again holding the target range at 3.50%–3.75%, as the Committee maintained its pause following three late-2025 rate cuts. Governor Stephen Miran dissented in favor of an additional quarter-point reduction, while Christopher Waller joined the majority, tipping the vote 11–1 to leave the benchmark rate unchanged. Meanwhile, President Trump's nomination of Kevin Warsh to succeed Jerome Powell as chair has hit a roadblock after a Republican senator vowed to block Warsh's confirmation amid the Justice Department's ongoing probe of the central bank.
  
- Treasury yields exhibited considerable first-quarter volatility as the Iran conflict injected energy-driven inflation fears into a market grappling with sticky core prices. At March month-end, the 2-year yield stood at 3.79%, up 32 basis points year-to-date, the 10-year at 4.32%, and the 30-year at 4.86%. The 2-year to 10-year spread narrowed to 52 basis points, reflecting pronounced flattening as short rates rose faster than longer maturities. One year ago, that spread stood near 32 basis points, providing context on normalization since the 2022 through 2024 yield curve inversion. The 3-month to 10-year spread was approximately 64 basis points at March month-end.

Nonfarm Payroll (000's)



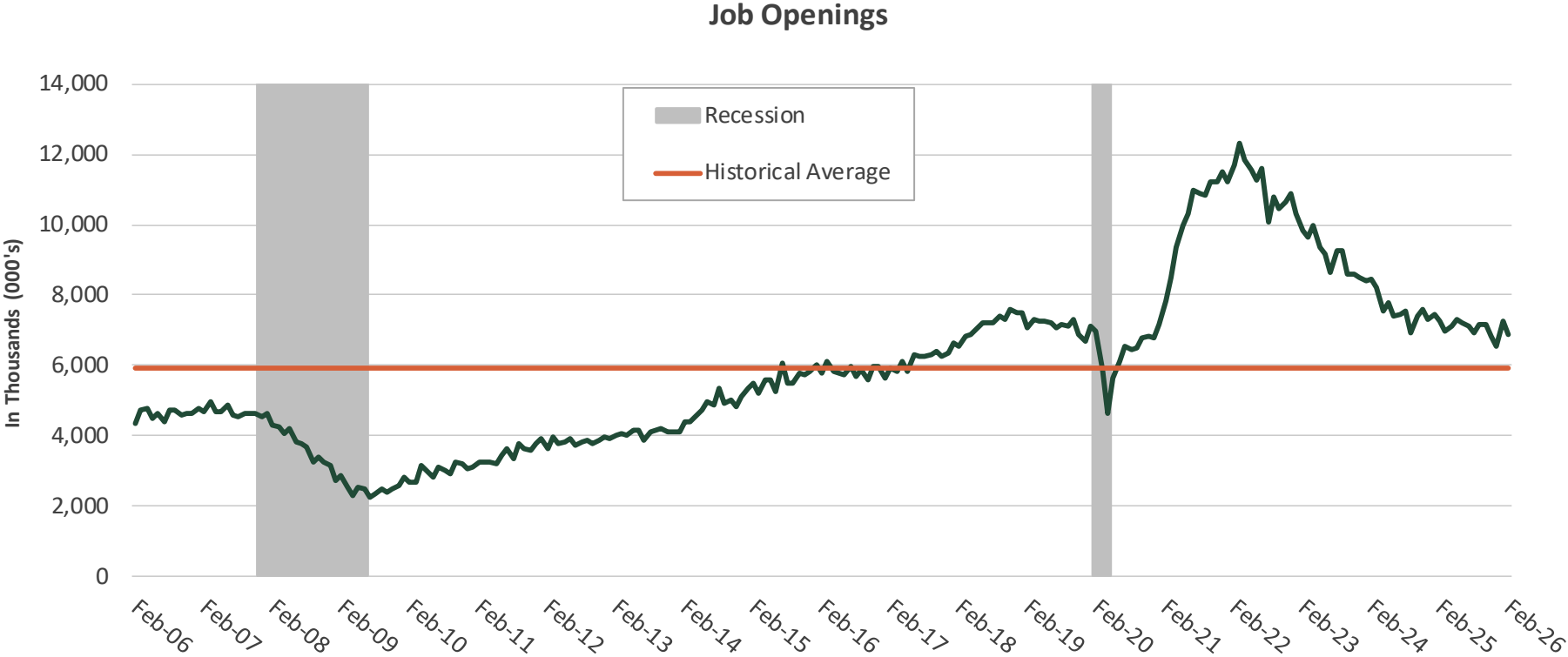
Source: US Department of Labor

Unemployment Rate



Source: US Department of Labor

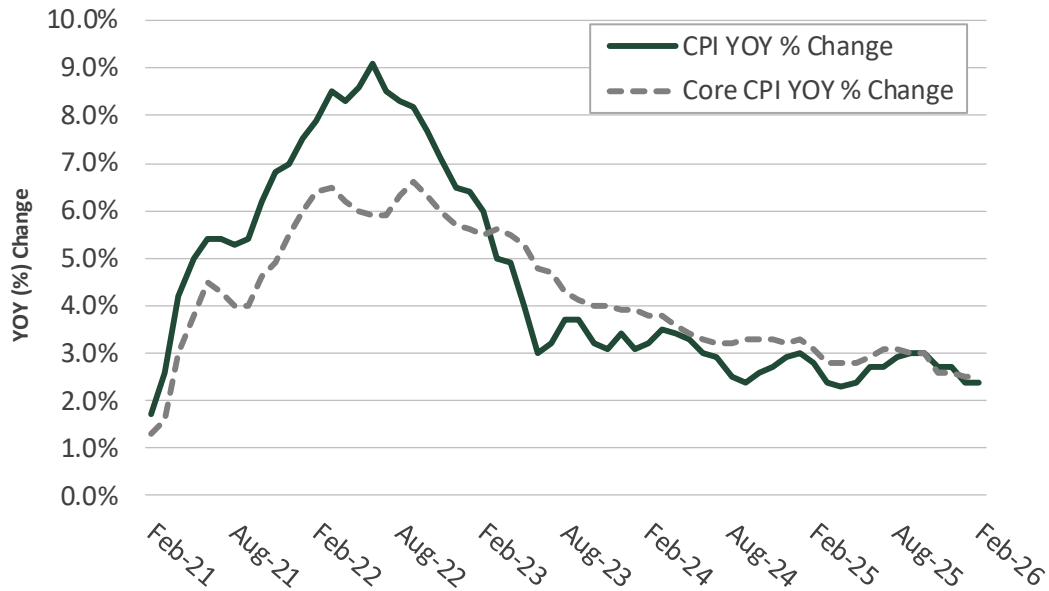
March nonfarm payrolls rose by 178,000, a decisive reversal from February's revised 133,000 decline that had been distorted by a Kaiser Permanente strike affecting over 30,000 healthcare workers and severe winter weather. Healthcare contributed 76,000 positions as striking nurses returned, while construction and leisure rebounded from weather-induced troughs. The unemployment rate edged lower to 4.3%, though partly from a labor force reduction rather than a hiring acceleration. Meanwhile, the underemployment rate edged up to 8.0% from 7.9% in February. Average hourly earnings rose 0.2% over the month and 3.5% year over year—the slowest annual pace since May 2021.



Source: US Department of Labor

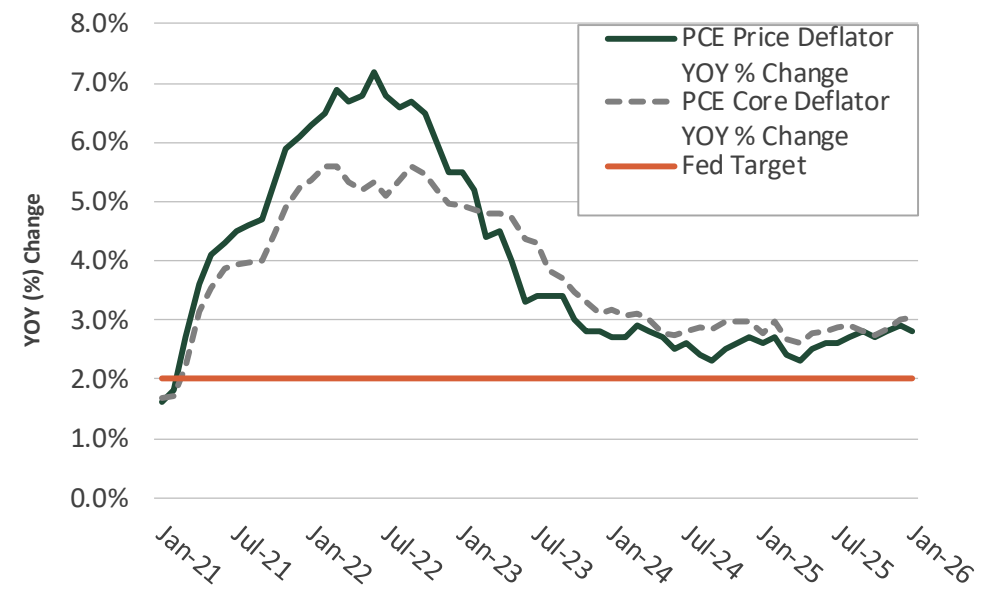
Job openings fell to 6.9 million in February from a revised 7.2 million in January, according to the Bureau of Labor Statistics’ Job Openings and Labor Turnover Survey. The ratio of openings to unemployed workers slipped to 0.9, reinforcing the gradual rebalancing of demand and supply. Hires decreased to 4.8 million, the lowest since April 2020, suggesting employers have grown selective about adding headcount. Quits were little changed at 3 million. The data reflects a labor market consistent with the Federal Reserve’s characterization of a no-hire, no-fire environment.

Consumer Price Index (CPI)



Source: US Department of Labor

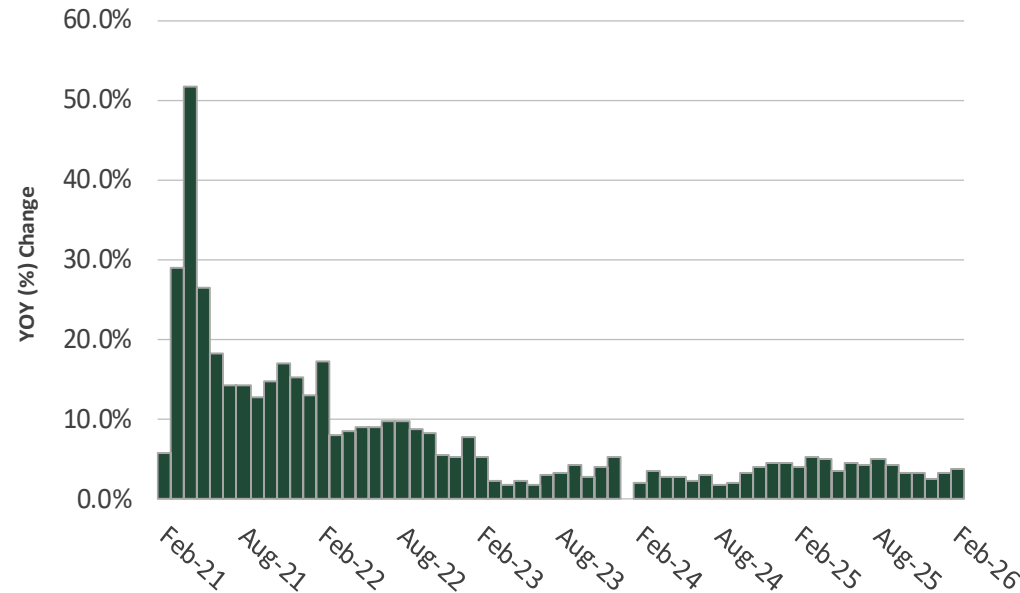
Personal Consumption Expenditures (PCE)



Source: US Department of Commerce

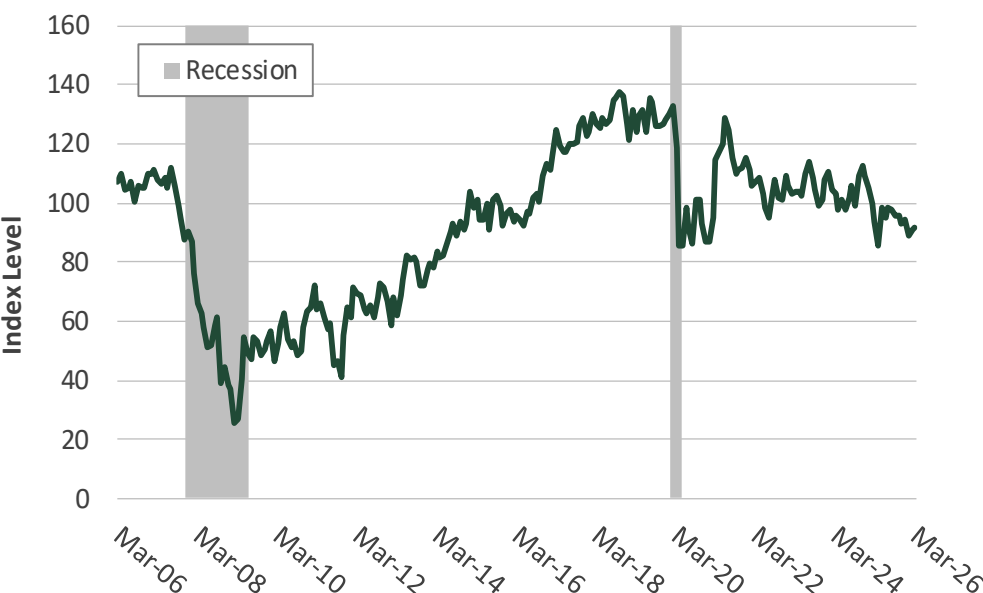
Inflation firmed slightly in February on a headline basis, with the Consumer Price Index (CPI) rising 0.3% for the month, following a 0.2% increase in January. On an annual basis, headline CPI rose 2.4%, unchanged from January. Core CPI, which excludes volatile food and energy prices, increased 0.2% in February, down from January's 0.3% pace, while the annual rate held steady at 2.5%. The Personal Consumption Expenditures (PCE) Index rose 0.3% in January, easing from a 0.4% gain in December. On a year-over-year basis, headline PCE also edged down to 2.8% from 2.9% the prior month. Core PCE held steady at 0.4% on the month but ticked up to 3.1% annually from 3.0% in December, driven largely by higher healthcare services costs.

Retail Sales YOY % Change



Source: US Department of Commerce

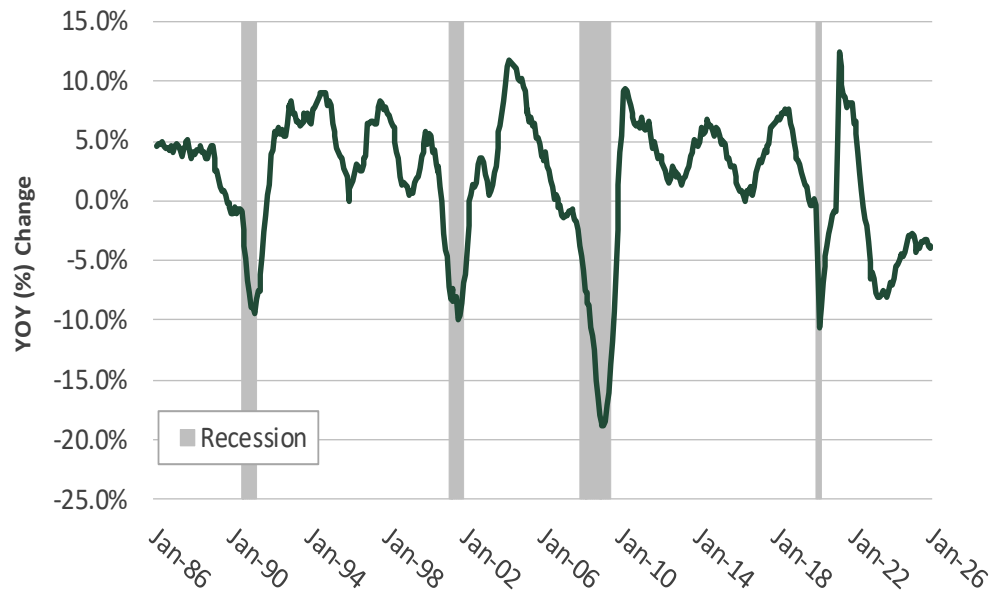
Consumer Confidence



Source: The Conference Board  
All time high is 144.70 (1/31/00); All time low is 25.30 (2/28/09)

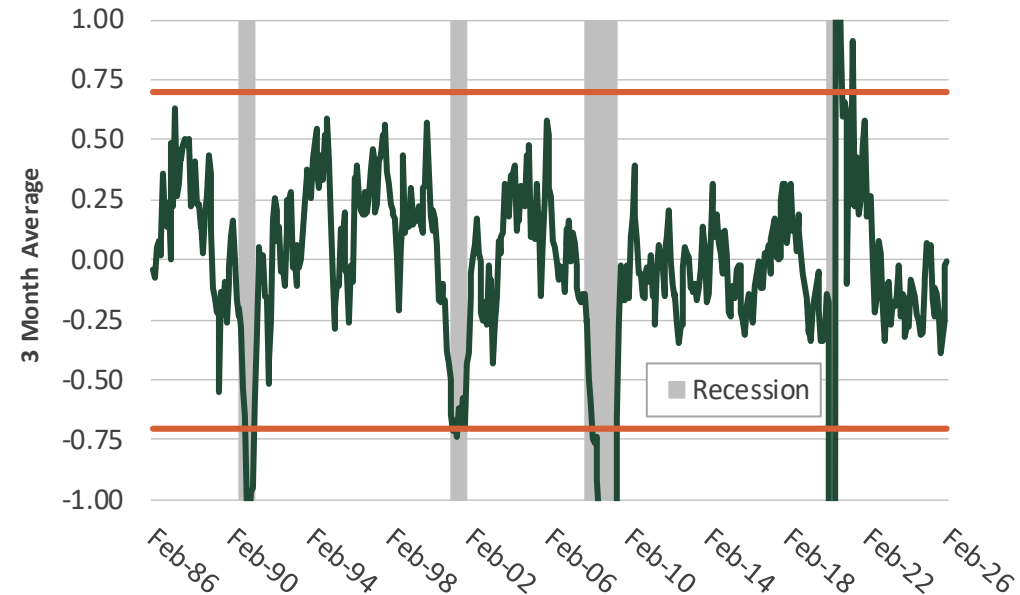
The Conference Board’s Consumer Confidence Index edged up to 91.8 in March from 91.0 in February, a second consecutive gain that nonetheless sits well below the all-time peak of 144.7 from early 2000. The Present Situation component rose 4.6 points to 123.3 on favorable assessments of business and labor conditions, while the Expectations Index slipped 1.7 points to 70.9. Inflation expectations climbed to their highest since August 2025, reflecting tariff passthrough and elevated gasoline prices. February retail sales rebounded 0.6% from January, with stronger auto and broad-based discretionary spending offsetting January’s weather- and vehicle-related weakness; the control group also advanced 0.5%, signaling firmer underlying consumer demand.

## Leading Economic Indicators (LEI)



Source: The Conference Board

## Chicago Fed National Activity Index (CFNAI)

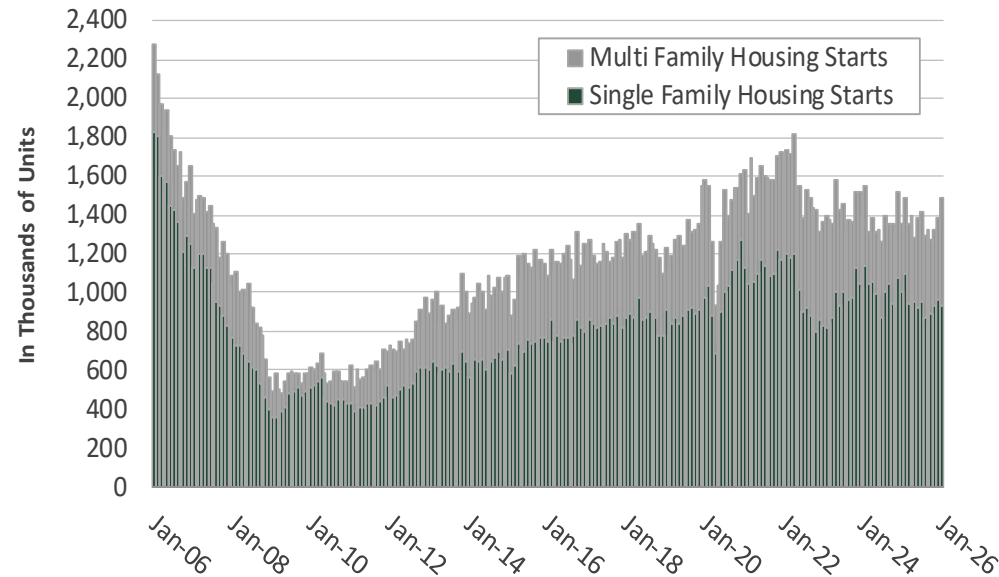


Source: Federal Reserve Bank of Chicago

The Chicago Fed National Activity Index (CFNAI) fell to -0.11 in February, following a positive revision to 0.20 in January. The index's three-month moving average edged up to -0.01 from -0.02 the prior month. Production and employment related indicators turned negative in February, while sales, orders, and inventories also remained in negative territory. The personal consumption and housing categories slipped modestly but stayed in positive territory. The Conference Board's Leading Economic Index (LEI) declined 0.1% in January, an improvement from -0.2% in December, with consumer expectations and building permits the largest drags on the index. On a year-over-year basis, the LEI fell 3.8%, continuing to signal slower economic growth heading into 2026. Notably, the latest LEI data do not yet reflect the impact of the war in Iran.

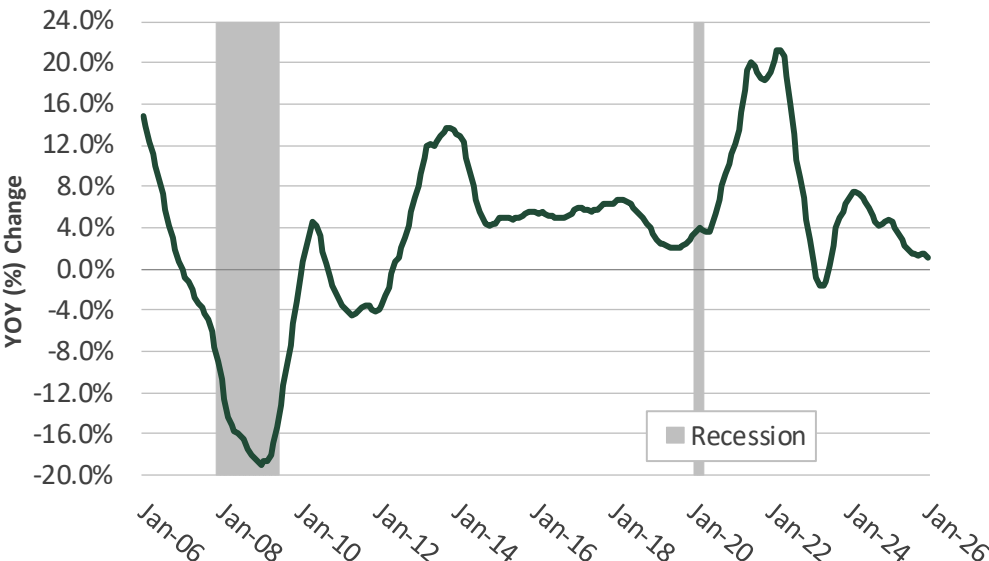


Annualized Housing Starts



Source: US Department of Commerce

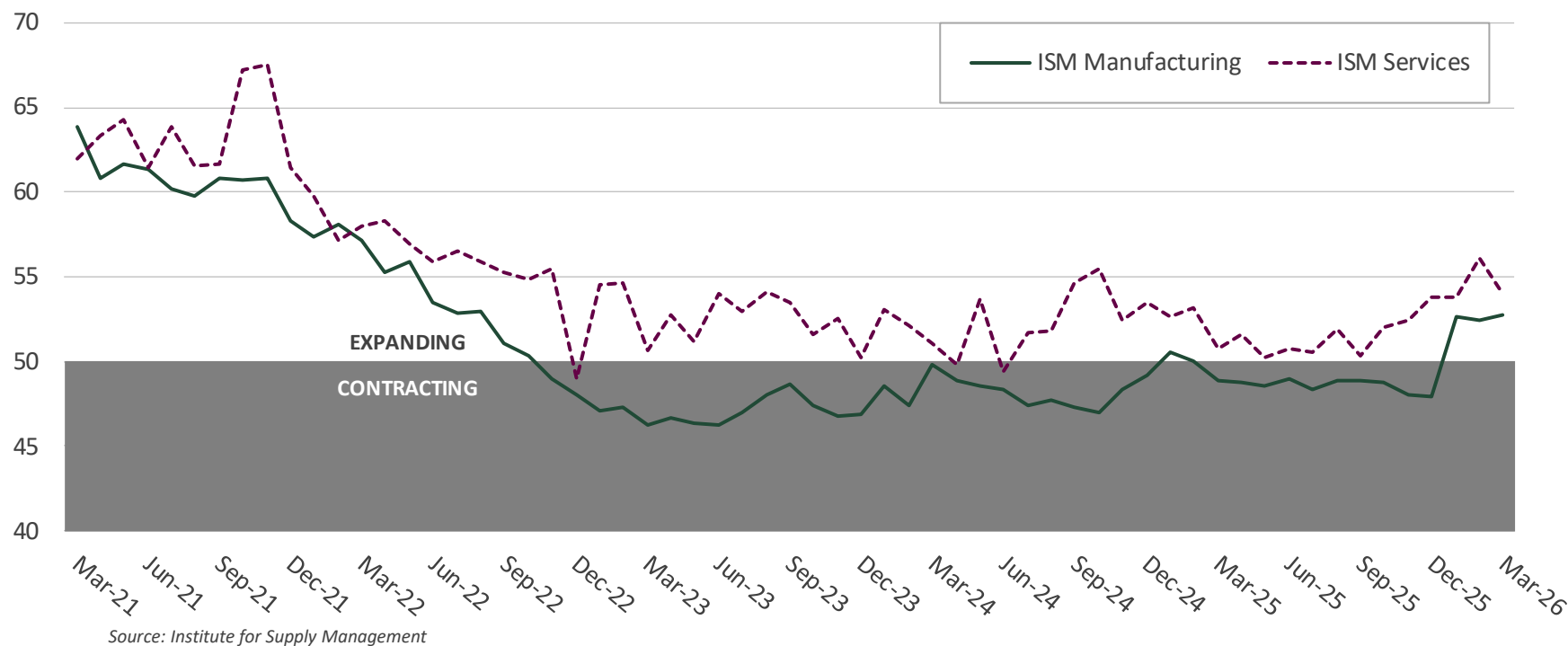
S&P/Case-Shiller 20 City Composite Home Price Index



Source: S&P

Housing starts rose 7.2% in January to an annualized pace of 1.487 million units, including 935,000 single-family and 552,000 multifamily starts. The January S&P Cotality Case-Shiller 20-City Composite posted a 1.18% year-over-year gain, continuing deceleration from December's revised 1.43% annual increase. Inflation again outpaced home price appreciation, extending the erosion of real housing returns that began in the second half of 2025. The Freddie Mac 30-year fixed mortgage rate climbed to 6.46% as of April 2, its fifth consecutive weekly rise, reversing progress made when rates dipped below 6% in February. Higher borrowing costs and elevated prices continue to constrain affordability.

Institute of Supply Management (ISM) Surveys



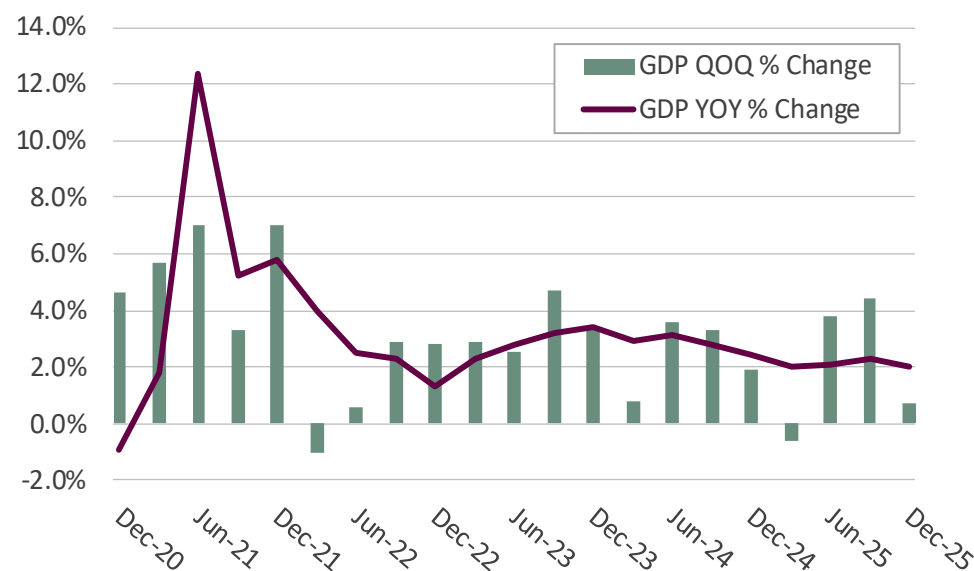
The Institute for Supply Management’s Manufacturing Index rose to 52.7 in March from 52.4, the fastest factory expansion since August 2022 and a third consecutive month above 50. Production accelerated to 55.1 from 53.5, though new orders decelerated to 53.5 from 55.8. The prices subindex leaped to 78.3 from 70.5, reflecting elevated energy costs, metals tariffs, and Iran-related supply disruptions. Employment remained in contraction at 48.7. The Services Index eased to 54.0 in March from 56.1 in February but still posted its 21st consecutive month of expansion. With both measures above the 50 threshold, ISM data point toward a resilient if cost-pressured economy.

## GROSS DOMESTIC PRODUCT (GDP)

| Components of GDP                                  | 3/25         | 6/25        | 9/25        | 12/25       |
|----------------------------------------------------|--------------|-------------|-------------|-------------|
| Personal Consumption Expenditures                  | 0.4%         | 1.7%        | 2.3%        | 1.3%        |
| Gross Private Domestic Investment                  | 3.8%         | -2.7%       | 0.0%        | 0.6%        |
| Net Exports and Imports                            | -4.7%        | 4.8%        | 1.6%        | -0.2%       |
| Federal Government Expenditures                    | -0.4%        | -0.4%       | 0.2%        | -1.2%       |
| State and Local (Consumption and Gross Investment) | 0.2%         | 0.3%        | 0.2%        | 0.1%        |
| <b>Total</b>                                       | <b>-0.6%</b> | <b>3.8%</b> | <b>4.4%</b> | <b>0.7%</b> |

Source: US Department of Commerce

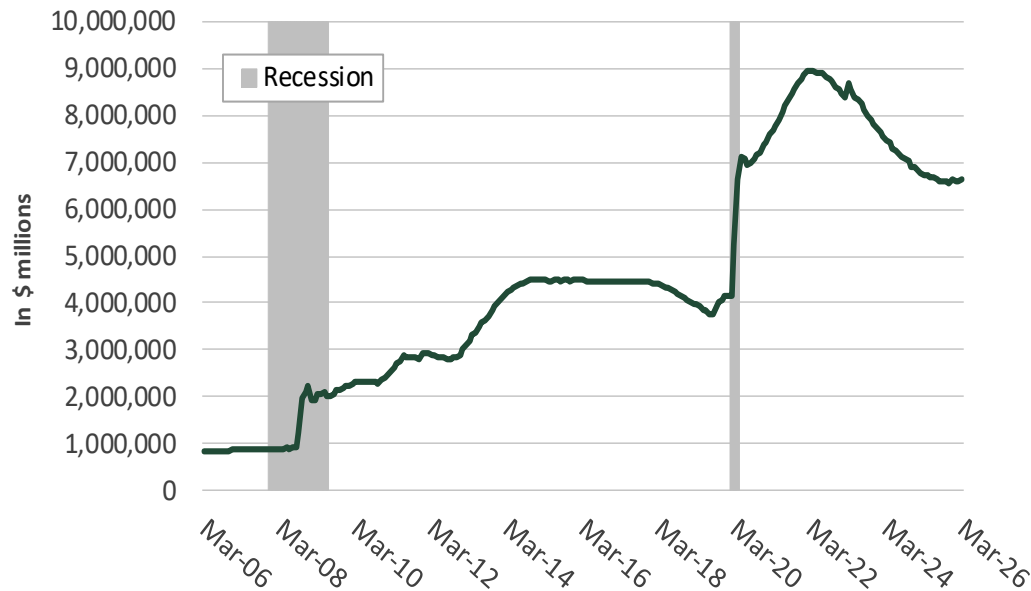
## Gross Domestic Product (GDP)



Source: US Department of Commerce

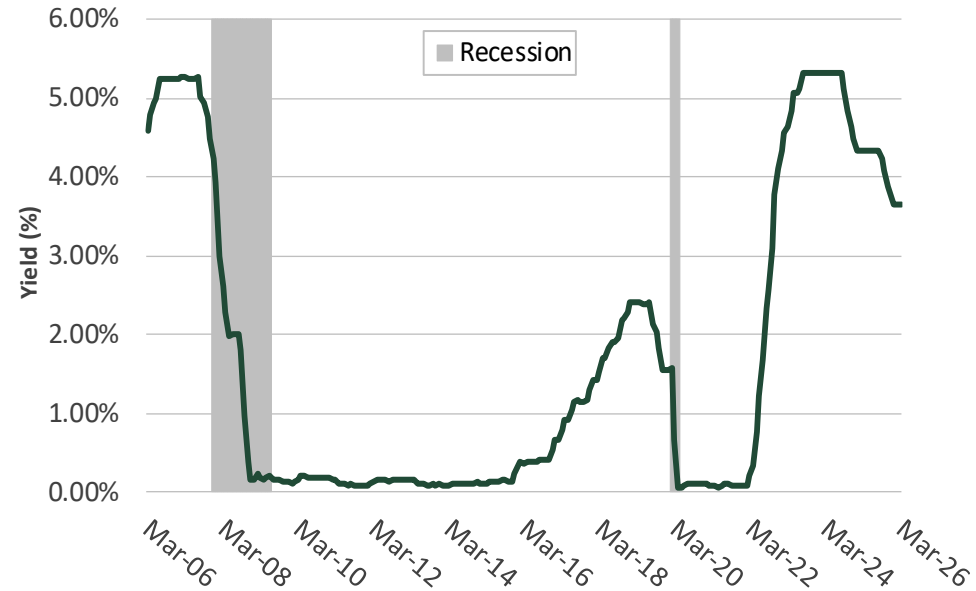
The second estimate of real gross domestic product (GDP) showed fourth-quarter growth revised down to 0.7% from the initial 1.4% estimate. The slowdown from 4.4% in the third quarter primarily reflected a sharp pullback in government spending, as the federal government shutdown weighed on activity. Personal Consumption Expenditures also declined across both goods and services.

Federal Reserve Balance Sheet Assets



Source: Federal Reserve

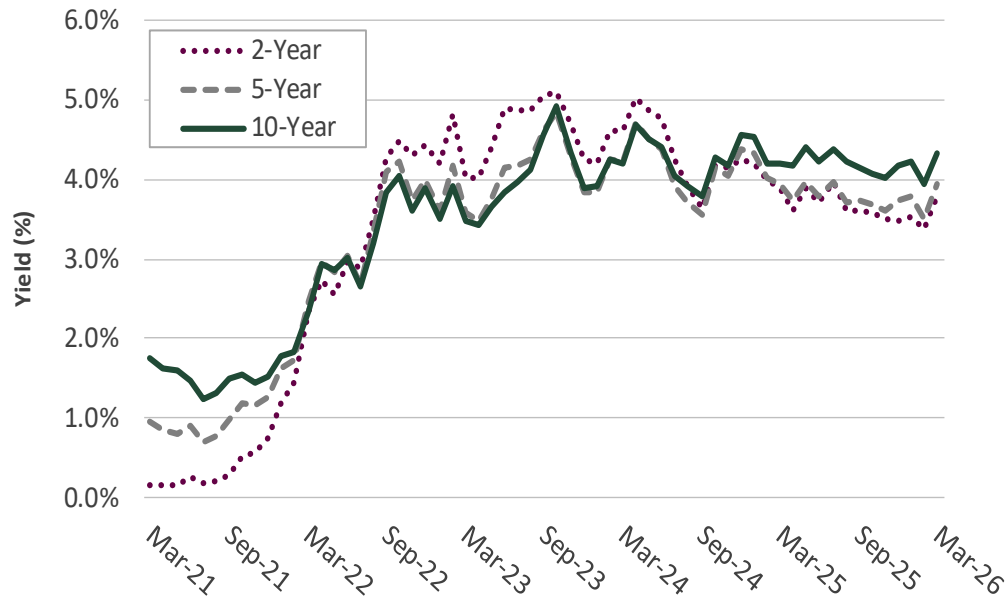
Effective Federal Funds Rate



Source: Bloomberg

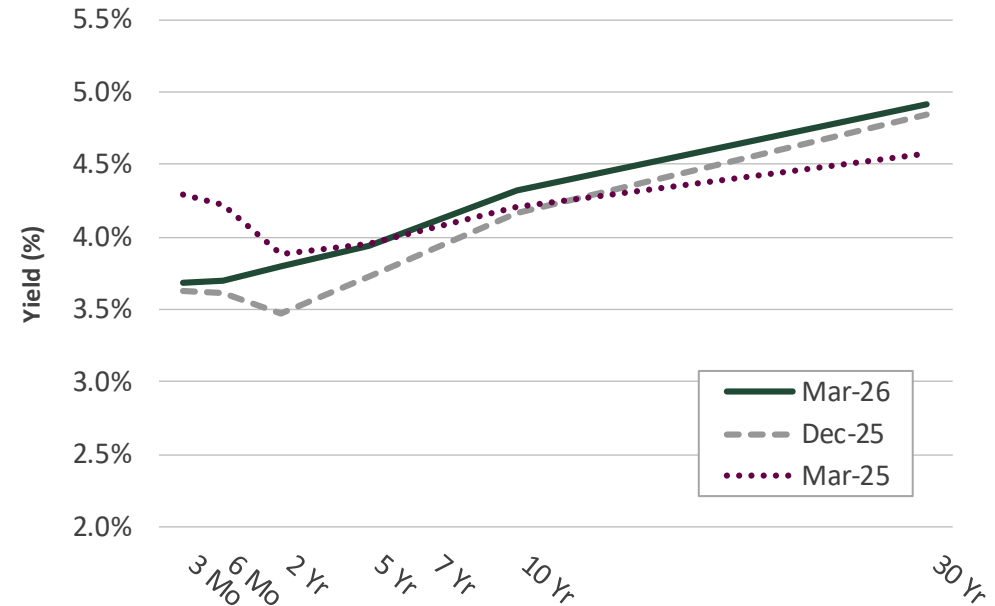
The Federal Reserve left its benchmark interest rate unchanged in March, keeping the target range at 3.50% to 3.75% following three late-2025 rate cuts that were justified by signs of softening in the labor market. However, policymakers have grown wary of potential inflationary pressures stemming from tariffs, the war in Iran, and the ensuing spike in commodity prices. The Federal Reserve now projects just one rate cut in 2026, even as inflation expectations rise. The Committee also reaffirmed its December decision to halt balance sheet runoff and to reinvest principal and interest payments from its securities holdings, signaling a continued emphasis on maintaining ample reserves and supporting orderly market functioning.

US Treasury Note Yields



Source: Bloomberg

US Treasury Yield Curve



Source: Bloomberg

At March month-end, the 2-year Treasury yield stood at 3.79%, down approximately 9 basis points from one year ago, while the 10-year finished at 4.32%, roughly 11 basis points higher year-over-year. The spread between the two narrowed to 52 basis points, wider by 20 basis points year-over-year. The prior 2-year to 10-year inversion from July 2022 through August 2024 was historically long. The average spread since 2005 is approximately 95 basis points, suggesting the current slope sits well below its long-run norm. The 3-month to 10-year spread stood near 64 basis points at March month-end.

## ACCOUNT PROFILE

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### Investment Objectives

The investment objectives for the City of Vallejo, in order of priority, are to provide safety to ensure the preservation of capital in the overall portfolio, provide sufficient liquidity for cash needs, and a market rate of return consistent with the investment program.

### Chandler Asset Management Performance Objective

The performance objective for the portfolio is to earn a total rate of return through a market cycle that is equal to or above the return on the benchmark index.

### Strategy

In order to achieve this objective, the portfolio invests in high-quality fixed income securities that comply with the investment policy and all regulations governing the funds.

## STATEMENT OF COMPLIANCE

City of Vallejo | Account #260 | As of March 31, 2026

| Rules Name                                                 | Limit | Actual | Compliance Status | Notes |
|------------------------------------------------------------|-------|--------|-------------------|-------|
| <b>AGENCY MORTGAGE SECURITIES</b>                          |       |        |                   |       |
| Max % (MV)                                                 | 50.0  | 8.4    | Compliant         |       |
| Max % Issuer (MV)                                          | 30.0  | 8.4    | Compliant         |       |
| Max Maturity (Years)                                       | 5.0   | 4.8    | Compliant         |       |
| <b>ASSET-BACKED SECURITIES (ABS)</b>                       |       |        |                   |       |
| Max % (MV)                                                 | 20.0  | 3.2    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.5    | Compliant         |       |
| Max Maturity (Years)                                       | 5     | 4      | Compliant         |       |
| Min Rating (AA- by 1)                                      | 0.0   | 0.0    | Compliant         |       |
| <b>BANKERS' ACCEPTANCES</b>                                |       |        |                   |       |
| Max % (MV)                                                 | 40.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Days)                                        | 180   | 0.0    | Compliant         |       |
| Min Rating (A-1 by 1 or A- by 1)                           | 0.0   | 0.0    | Compliant         |       |
| <b>COLLATERALIZED TIME DEPOSITS (NON-NEGOTIABLE CD/TD)</b> |       |        |                   |       |
| Max % (MV)                                                 | 20.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                                       | 5.0   | 0.0    | Compliant         |       |
| <b>COMMERCIAL PAPER</b>                                    |       |        |                   |       |
| Max % (MV)                                                 | 40.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Days)                                        | 270   | 0.0    | Compliant         |       |
| Min Rating (A-1 by 1 or A- by 1)                           | 0.0   | 0.0    | Compliant         |       |
| <b>CORPORATE MEDIUM TERM NOTES</b>                         |       |        |                   |       |
| Max % (MV)                                                 | 30.0  | 26.2   | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 1.3    | Compliant         |       |
| Max Maturity (Years)                                       | 5     | 4      | Compliant         |       |
| Min Rating (A- by 1)                                       | 0.0   | 0.0    | Compliant         |       |



## STATEMENT OF COMPLIANCE

City of Vallejo | Account #260 | As of March 31, 2026

| Rules Name                                               | Limit | Actual | Compliance Status | Notes |
|----------------------------------------------------------|-------|--------|-------------------|-------|
| <b>FDIC INSURED TIME DEPOSITS (NON-NEGOTIABLE CD/TD)</b> |       |        |                   |       |
| Max % (MV)                                               | 20.0  | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5     | 0.0    | Compliant         |       |
| <b>FEDERAL AGENCIES</b>                                  |       |        |                   |       |
| Max % (MV)                                               | 50.0  | 2.2    | Compliant         |       |
| Max % Issuer (MV)                                        | 30.0  | 1.6    | Compliant         |       |
| Max Callables (MV)                                       | 20.0  | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5     | 2      | Compliant         |       |
| <b>LOCAL AGENCY INVESTMENT FUND (LAIF)</b>               |       |        |                   |       |
| Max Concentration (MV)                                   | 75.0  | 0.0    | Compliant         |       |
| <b>LOCAL GOVERNMENT INVESTMENT POOL (LGIP)</b>           |       |        |                   |       |
| Max % (MV)                                               | 100.0 | 0.0    | Compliant         |       |
| <b>MONEY MARKET MUTUAL FUNDS</b>                         |       |        |                   |       |
| Max % (MV)                                               | 20.0  | 1.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 1.0    | Compliant         |       |
| Min Rating (AAA by 2)                                    | 0.0   | 0.0    | Compliant         |       |
| <b>MORTGAGE-BACKED SECURITIES (NON-AGENCY)</b>           |       |        |                   |       |
| Max % (MV)                                               | 20.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5.0   | 0.0    | Compliant         |       |
| Min Rating (AA- by 1)                                    | 0.0   | 0.0    | Compliant         |       |
| <b>MUNICIPAL SECURITIES (CA, LOCAL AGENCY)</b>           |       |        |                   |       |
| Max % (MV)                                               | 10.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5     | 0.0    | Compliant         |       |
| Min Rating (A- by 1)                                     | 0.0   | 0.0    | Compliant         |       |
| <b>MUNICIPAL SECURITIES (CA, OTHER STATES)</b>           |       |        |                   |       |
| Max % (MV)                                               | 10.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 0.0    | Compliant         |       |

## STATEMENT OF COMPLIANCE

City of Vallejo | Account #260 | As of March 31, 2026

| Rules Name                                       | Limit | Actual | Compliance Status | Notes |
|--------------------------------------------------|-------|--------|-------------------|-------|
| Max Maturity (Years)                             | 5     | 0.0    | Compliant         |       |
| Min Rating (A- by 1)                             | 0.0   | 0.0    | Compliant         |       |
| <b>MUTUAL FUNDS</b>                              |       |        |                   |       |
| Max % (MV)                                       | 10.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                | 5.0   | 0.0    | Compliant         |       |
| Min Rating (AAA by 2)                            | 0.0   | 0.0    | Compliant         |       |
| <b>NEGOTIABLE CERTIFICATES OF DEPOSIT (NCD)</b>  |       |        |                   |       |
| Max % (MV)                                       | 30.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                             | 5     | 0.0    | Compliant         |       |
| Min Rating (A-1 by 1 or A- by 1 if > FDIC Limit) | 0.0   | 0.0    | Compliant         |       |
| <b>REPURCHASE AGREEMENTS</b>                     |       |        |                   |       |
| Max % (MV)                                       | 20.0  | 0.0    | Compliant         |       |
| Max Maturity (Years)                             | 1.0   | 0.0    | Compliant         |       |
| <b>SRI PROHIBITED INVESTMENTS</b>                |       |        |                   |       |
| Prohibited Investment - Fossil Fuels             | 0.0   | 0.0    | Compliant         |       |
| Prohibited Investments - Alcohol                 | 0.0   | 0.0    | Compliant         |       |
| Prohibited Investments - Firearms                | 0.0   | 0.0    | Compliant         |       |
| Prohibited Investments - Tobacco                 | 0.0   | 0.0    | Compliant         |       |
| <b>SUPRANATIONAL OBLIGATIONS</b>                 |       |        |                   |       |
| Max % (MV)                                       | 30.0  | 3.1    | Compliant         |       |
| Max % Issuer (MV)                                | 10.0  | 2.1    | Compliant         |       |
| Max Maturity (Years)                             | 5     | 4      | Compliant         |       |
| Min Rating (AA- by 1)                            | 0.0   | 0.0    | Compliant         |       |
| <b>U.S. TREASURIES</b>                           |       |        |                   |       |
| Max % (MV)                                       | 100.0 | 56.0   | Compliant         |       |
| Max Maturity (Years)                             | 5     | 4      | Compliant         |       |

## PORTFOLIO CHARACTERISTICS



City of Vallejo | Account #260 | As of March 31, 2026

|                           | Benchmark* | 3/31/2026<br>Portfolio | 12/31/2025<br>Portfolio |
|---------------------------|------------|------------------------|-------------------------|
| Average Maturity (yrs)    | 2.65       | 2.89                   | 2.56                    |
| Average Modified Duration | 2.47       | 2.55                   | 2.24                    |
| Average Purchase Yield    |            | 3.92%                  | 3.99%                   |
| Average Market Yield      | 3.84%      | 4.02%                  | 3.75%                   |
| Average Quality**         | AA+        | AA                     | AA                      |
| Total Market Value        |            | 189,685,739            | 189,226,710             |

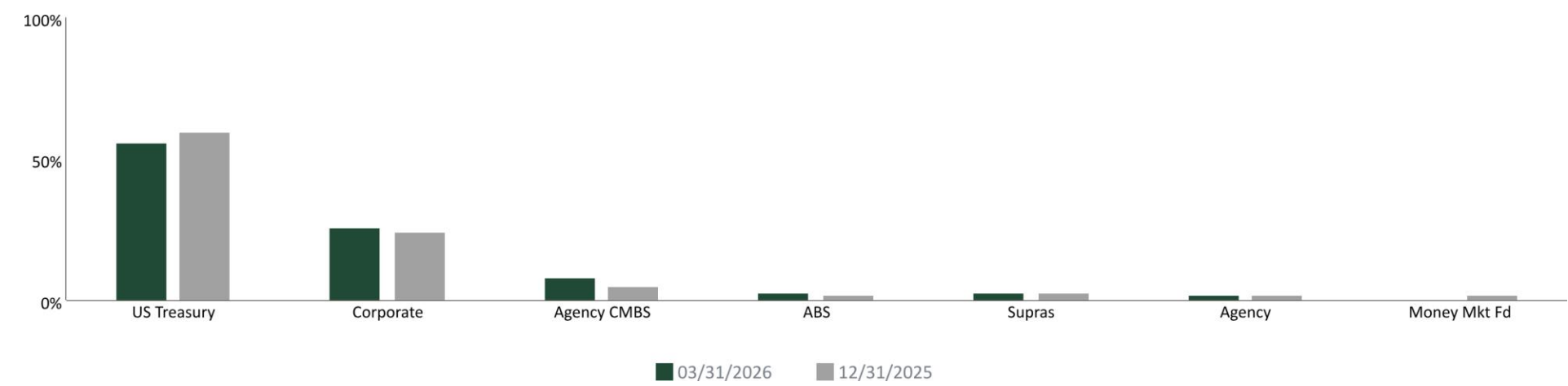
\*Benchmark: ICE BofA 1-5 Year Unsubordinated US Treasury & Agency Index

\*\*The credit quality is a weighted average calculation of the highest of S&P, Moody's and Fitch.

# SECTOR DISTRIBUTION



City of Vallejo | Account #260 | As of March 31, 2026



Sector as a Percentage of Market Value

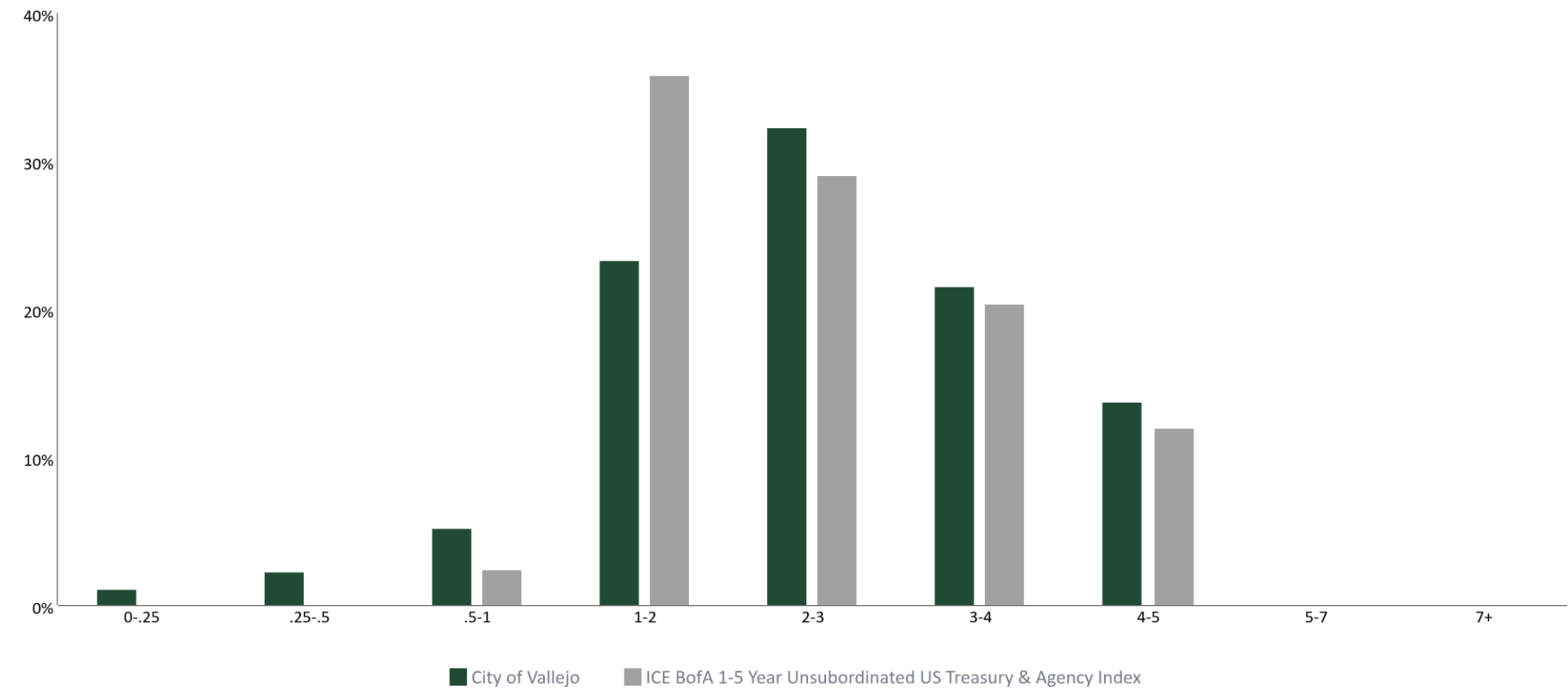
| Sector       | 03/31/2026 | 12/31/2025 |
|--------------|------------|------------|
| US Treasury  | 56.01%     | 59.89%     |
| Corporate    | 26.23%     | 24.83%     |
| Agency CMBS  | 8.37%      | 5.40%      |
| ABS          | 3.17%      | 2.67%      |
| Supras       | 3.06%      | 3.09%      |
| Agency       | 2.15%      | 2.18%      |
| Money Mkt Fd | 1.01%      | 1.94%      |

DURATION DISTRIBUTION



City of Vallejo | Account #260 | As of March 31, 2026

Portfolio Compared to the Benchmark

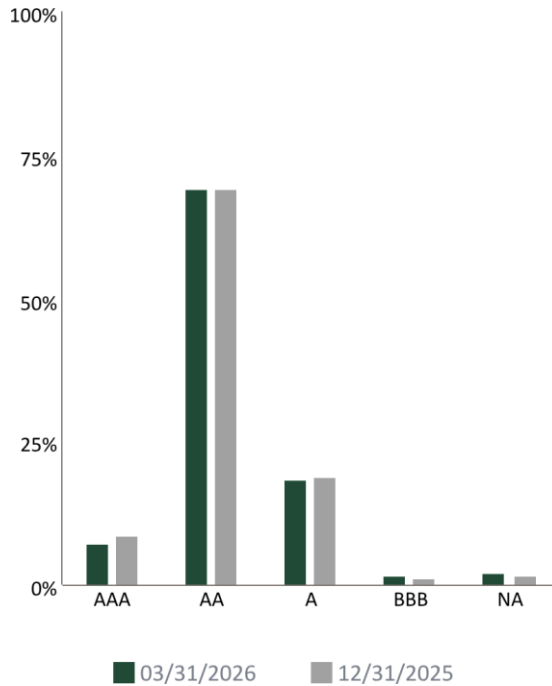


|                                                             | 0-.25 | .25-.5 | .5-1 | 1-2   | 2-3   | 3-4   | 4-5   | 5-7  | 7+   |
|-------------------------------------------------------------|-------|--------|------|-------|-------|-------|-------|------|------|
| Portfolio                                                   | 1.2%  | 2.4%   | 5.3% | 23.4% | 32.3% | 21.6% | 13.8% | 0.0% | 0.0% |
| ICE BofA 1-5 Year Unsubordinated US Treasury & Agency Index | 0.0%  | 0.0%   | 2.5% | 35.8% | 29.1% | 20.5% | 12.1% | 0.0% | 0.0% |

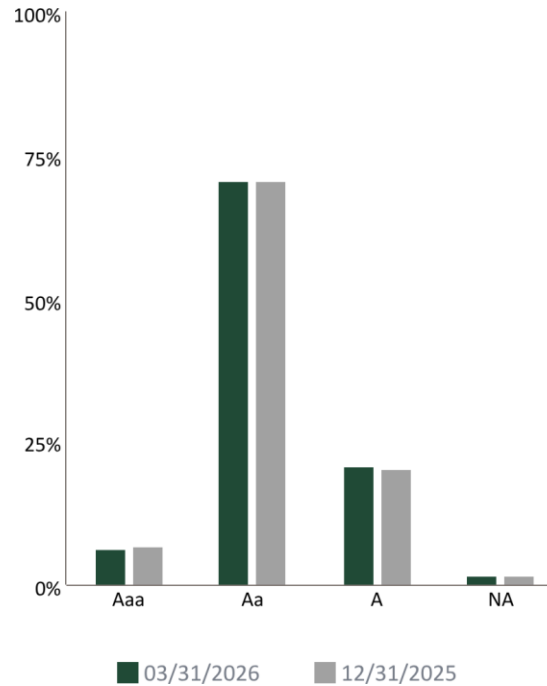
## QUALITY DISTRIBUTION

City of Vallejo | Account #260 | As of March 31, 2026

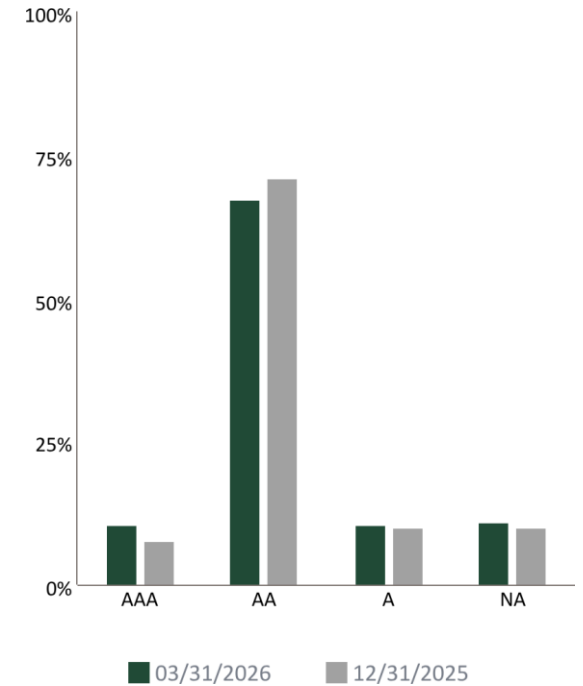
S&P Rating



Moody's Rating



Fitch Rating



| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| AAA    | 7.59%      | 8.64%      |
| AA     | 69.47%     | 69.42%     |
| A      | 18.62%     | 18.84%     |
| BBB    | 1.84%      | 1.19%      |
| NA     | 2.48%      | 1.91%      |

| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| Aaa    | 6.69%      | 7.14%      |
| Aa     | 70.77%     | 70.73%     |
| A      | 20.85%     | 20.42%     |
| NA     | 1.68%      | 1.71%      |

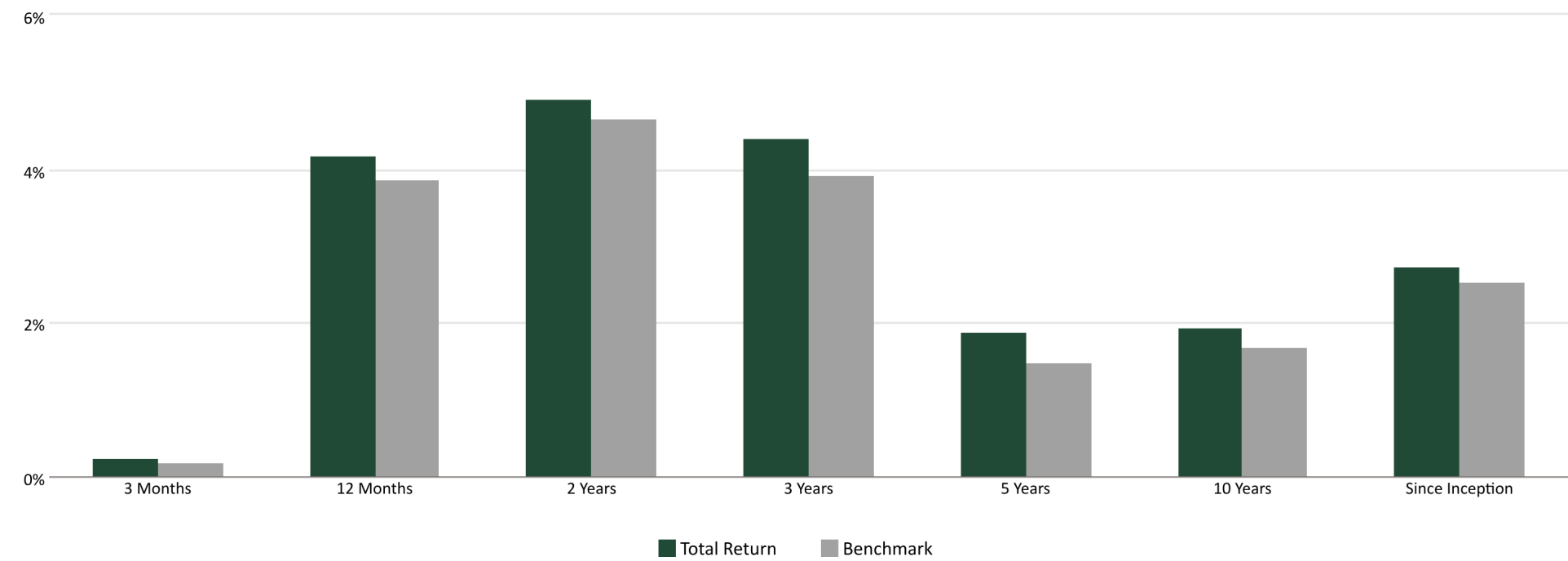
| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| AAA    | 10.65%     | 8.07%      |
| AA     | 67.27%     | 71.32%     |
| A      | 10.79%     | 10.23%     |
| NA     | 11.29%     | 10.38%     |

INVESTMENT PERFORMANCE



City of Vallejo | Account #260 | As of March 31, 2026

Total Rate of Return : Inception | 01/01/2002



| TOTAL RATE OF RETURN* | 3 Months | 12 Months | 2 Years | 3 Years | 5 Years | 10 Years | Since Inception |
|-----------------------|----------|-----------|---------|---------|---------|----------|-----------------|
| City of Vallejo       | 0.26%    | 4.18%     | 4.94%   | 4.41%   | 1.89%   | 1.96%    | 2.76%           |
| Benchmark             | 0.20%    | 3.87%     | 4.68%   | 3.93%   | 1.49%   | 1.70%    | 2.53%           |

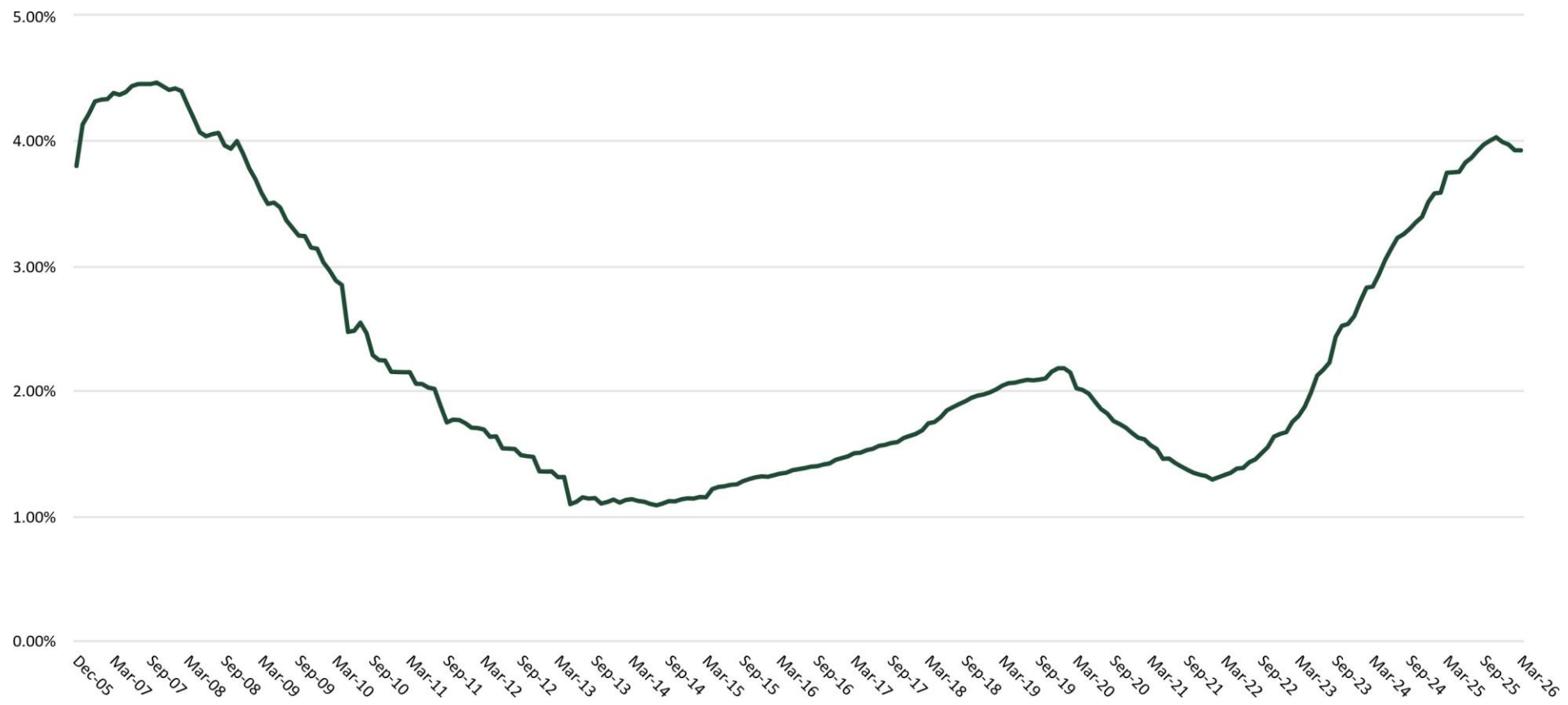
\*Periods over 1 year are annualized.  
Total rate of return: A measure of a portfolio’s performance over time. It is the internal rate of return, which equates the beginning value of the portfolio with the ending market value; it includes interest earnings, realized and unrealized gains and losses in the portfolio.  
Benchmark: ICE BofA 1-5 Year Unsubordinated US Treasury & Agency Index

HISTORICAL AVERAGE PURCHASE YIELD



City of Vallejo | Account #260 | As of March 31, 2026

Purchase Yield as of 03/31/26 = 3.92%





PORTFOLIO CHARACTERISTICS



City of Vallejo Reporting Account | Account #261 | As of March 31, 2026

|                           | 3/31/2026<br>Portfolio | 12/31/2025<br>Portfolio |
|---------------------------|------------------------|-------------------------|
| Average Maturity (yrs)    | 0.00                   | 0.00                    |
| Average Modified Duration | 0.00                   | 0.00                    |
| Average Purchase Yield    | 3.69%                  | 3.84%                   |
| Average Market Yield      | 3.69%                  | 3.84%                   |
| Average Quality**         | AAA                    | AAA                     |
| Total Market Value        | 106,737,920            | 102,743,618             |

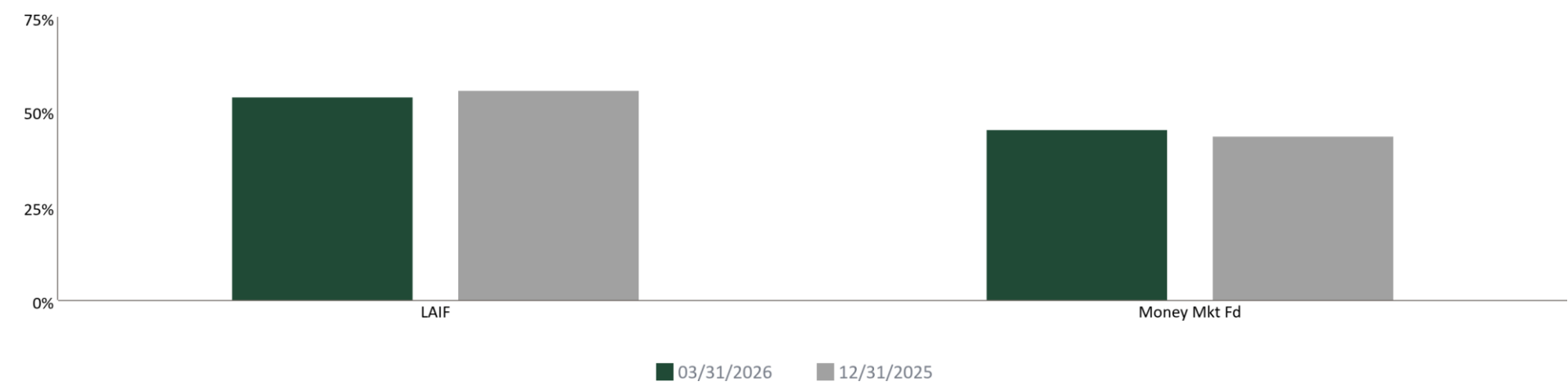
\*Benchmark: NO BENCHMARK REQUIRED

\*\*The credit quality is a weighted average calculation of the highest of S&P, Moody’s and Fitch.

SECTOR DISTRIBUTION



City of Vallejo Reporting Account | Account #261 | As of March 31, 2026



Sector as a Percentage of Market Value

| Sector       | 03/31/2026 | 12/31/2025 |
|--------------|------------|------------|
| LAIF         | 54.41%     | 55.97%     |
| Money Mkt Fd | 45.59%     | 44.03%     |

PORTFOLIO CHARACTERISTICS



City of Vallejo Bond Proceeds | Account #10824 | As of March 31, 2026

|                           | 3/31/2026<br>Portfolio | 12/31/2025<br>Portfolio |
|---------------------------|------------------------|-------------------------|
| Average Maturity (yrs)    | 25.08                  | 25.33                   |
| Average Modified Duration | 25.16                  | 25.33                   |
| Average Purchase Yield    | 0.00%                  | 0.00%                   |
| Average Market Yield      | 0.00%                  | 0.00%                   |
| Average Quality**         | AAA                    | AAA                     |
| Total Market Value        | 33,409,186             | 42,577,726              |

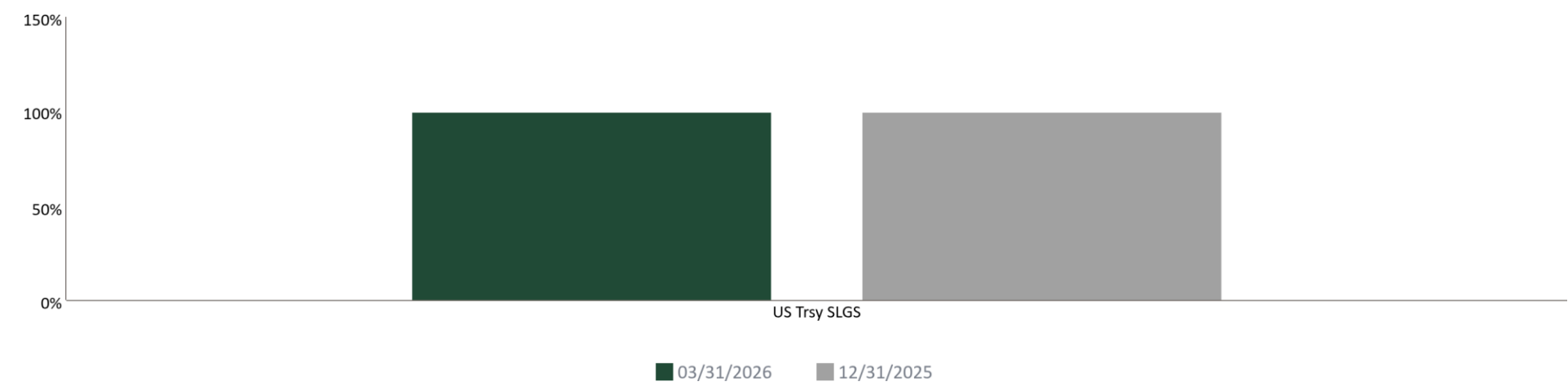
\*Benchmark: NO BENCHMARK REQUIRED

\*\*The credit quality is a weighted average calculation of the highest of S&P, Moody's and Fitch.

SECTOR DISTRIBUTION



City of Vallejo Bond Proceeds | Account #10824 | As of March 31, 2026



Sector as a Percentage of Market Value

| Sector       | 03/31/2026 | 12/31/2025 |
|--------------|------------|------------|
| US Trsy SLGS | 99.98%     | 100.00%    |

## CONSOLIDATED INFORMATION

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PORTFOLIO CHARACTERISTICS



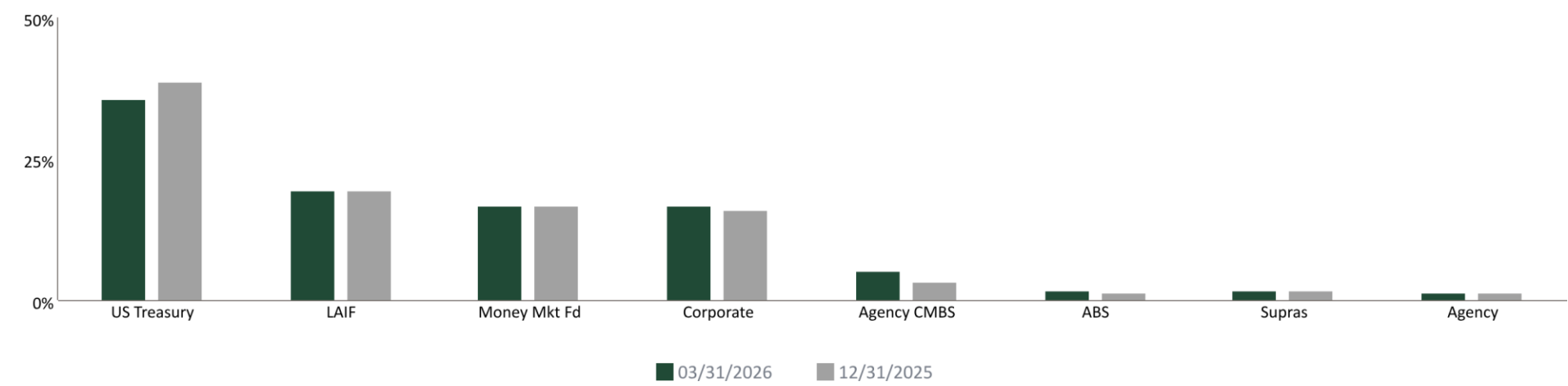
City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

|                           | 3/31/2026<br>Portfolio | 12/31/2025<br>Portfolio |
|---------------------------|------------------------|-------------------------|
| Average Maturity (yrs)    | 1.84                   | 1.65                    |
| Average Modified Duration | 1.62                   | 1.45                    |
| Average Purchase Yield    | 3.84%                  | 3.94%                   |
| Average Market Yield      | 3.90%                  | 3.78%                   |
| Average Quality**         | AA                     | AA                      |
| Total Market Value        | 296,423,659            | 291,970,328             |

\*Benchmark: NO BENCHMARK REQUIRED  
\*\*The credit quality is a weighted average calculation of the highest of S&P, Moody's and Fitch.

# SECTOR DISTRIBUTION

City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026



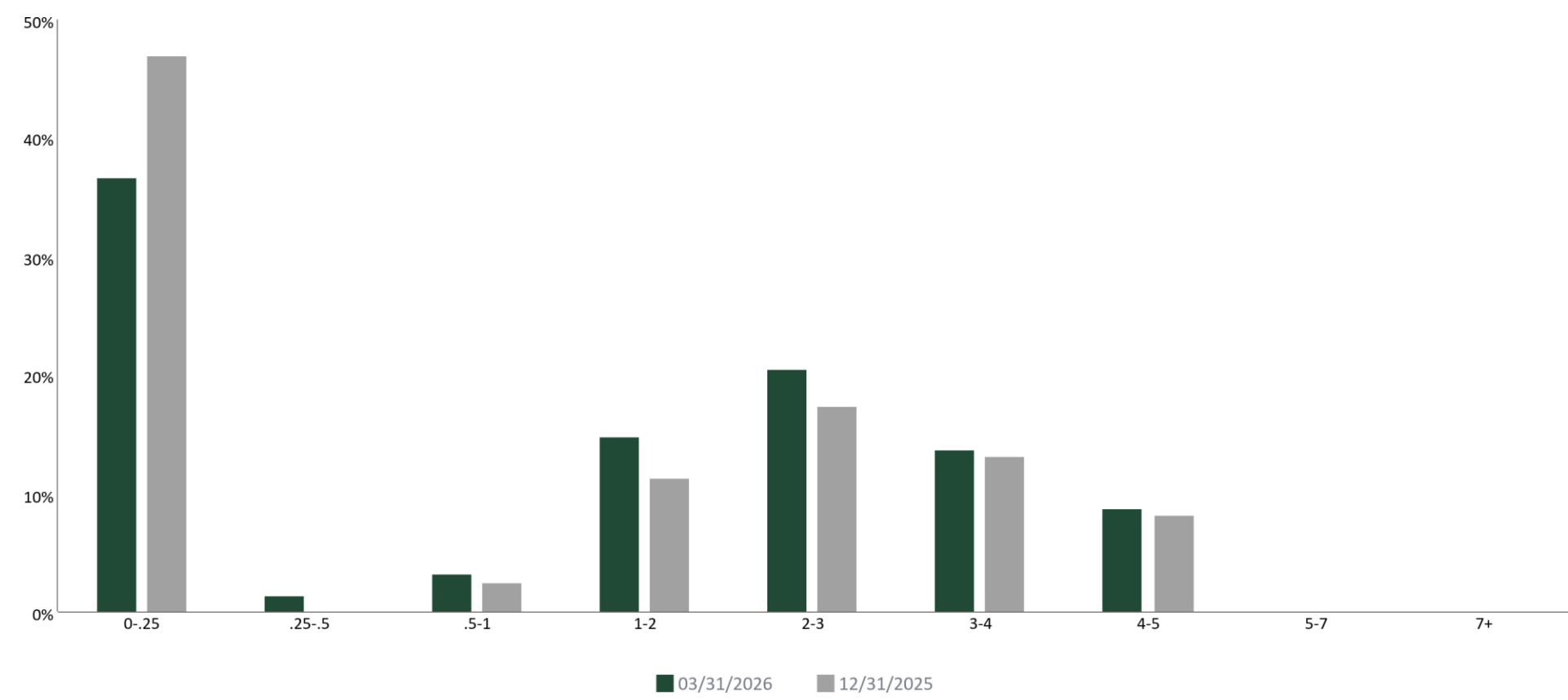
Sector as a Percentage of Market Value

| Sector       | 03/31/2026 | 12/31/2025 |
|--------------|------------|------------|
| US Treasury  | 35.80%     | 38.76%     |
| LAIF         | 19.63%     | 19.75%     |
| Money Mkt Fd | 17.09%     | 16.79%     |
| Corporate    | 16.77%     | 16.07%     |
| Agency CMBS  | 5.35%      | 3.49%      |
| ABS          | 2.03%      | 1.73%      |
| Supras       | 1.96%      | 2.00%      |
| Agency       | 1.38%      | 1.41%      |

DURATION DISTRIBUTION



City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026



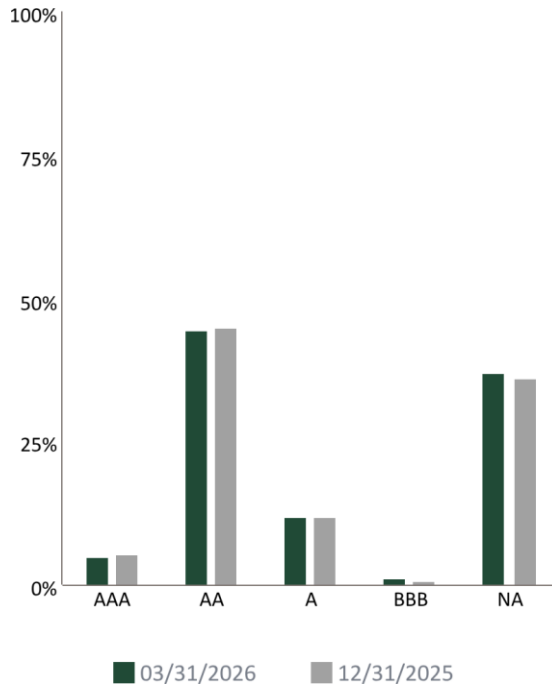
| Date       | 0-.25 | .25-.5 | .5-1 | 1-2   | 2-3   | 3-4   | 4-5  | 5-7  | 7+   |
|------------|-------|--------|------|-------|-------|-------|------|------|------|
| 03/31/2026 | 36.8% | 1.5%   | 3.4% | 15.0% | 20.7% | 13.8% | 8.8% | 0.0% | 0.0% |
| 12/31/2025 | 47.0% | 0.2%   | 2.5% | 11.4% | 17.4% | 13.2% | 8.3% | 0.0% | 0.0% |



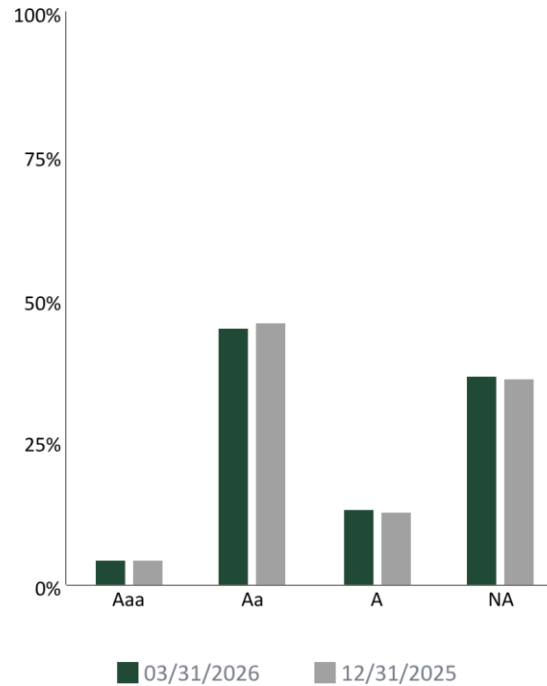
## QUALITY DISTRIBUTION

City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

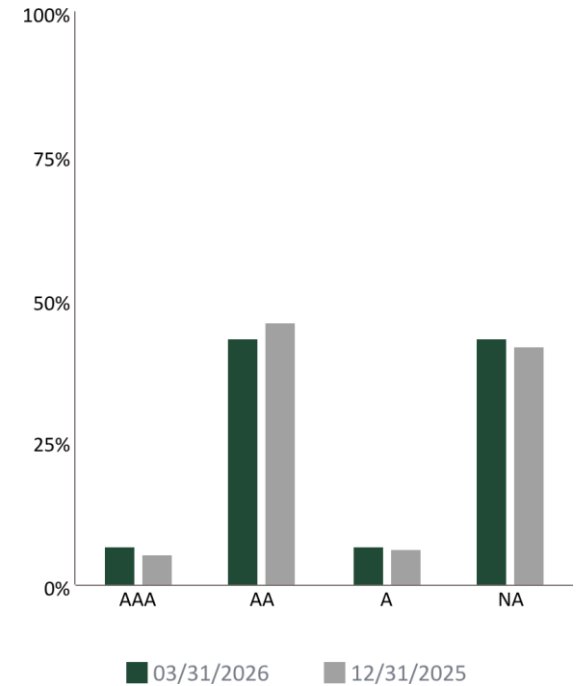
### S&P Rating



### Moody's Rating



### Fitch Rating



| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| AAA    | 5.05%      | 5.80%      |
| AA     | 44.46%     | 44.99%     |
| A      | 11.91%     | 12.21%     |
| BBB    | 1.18%      | 0.77%      |
| NA     | 37.41%     | 36.23%     |

| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| Aaa    | 4.47%      | 4.83%      |
| Aa     | 45.29%     | 45.84%     |
| A      | 13.34%     | 13.24%     |
| NA     | 36.90%     | 36.10%     |

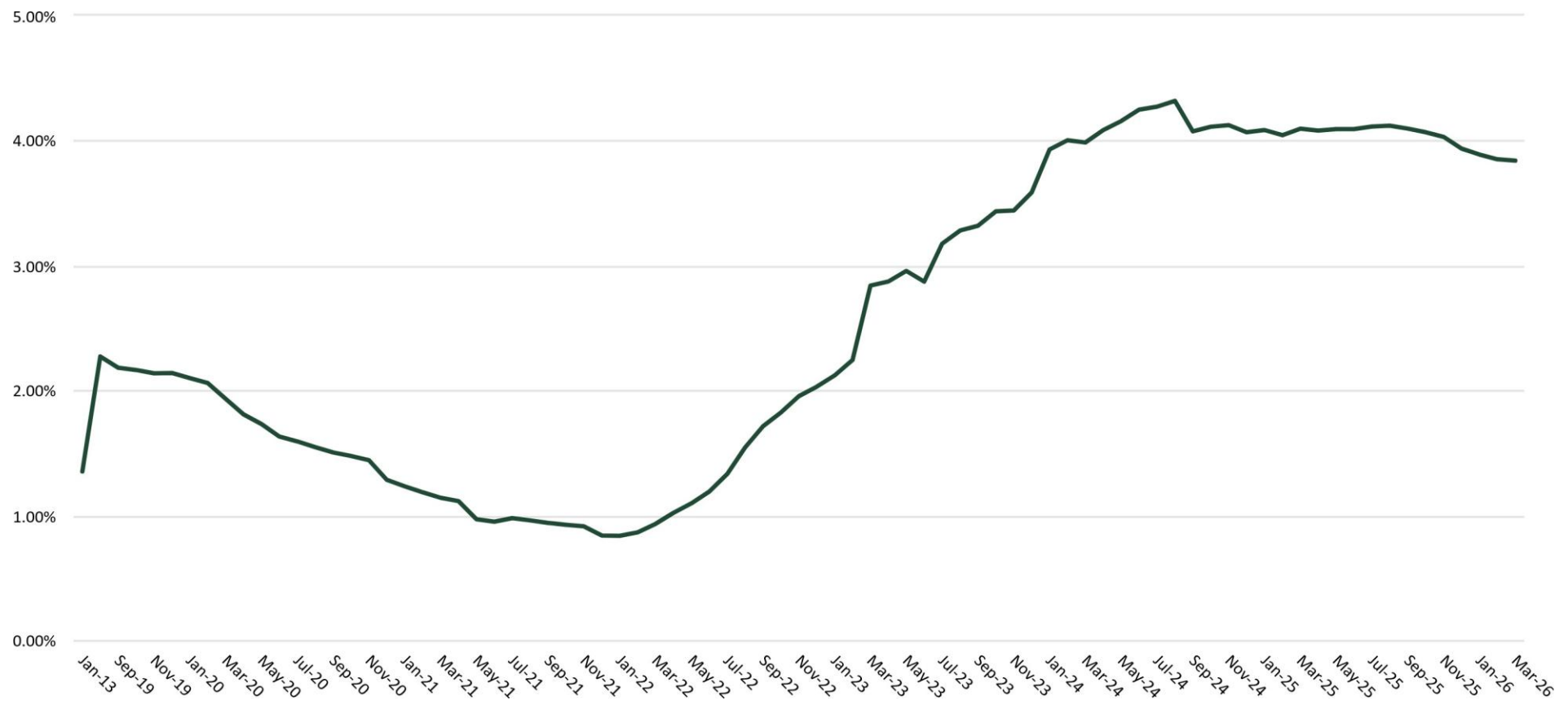
| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| AAA    | 7.00%      | 5.43%      |
| AA     | 43.05%     | 46.22%     |
| A      | 6.91%      | 6.63%      |
| NA     | 43.04%     | 41.71%     |

HISTORICAL AVERAGE PURCHASE YIELD



City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

Purchase Yield as of 03/31/26 = 3.84%



## PORTFOLIO HOLDINGS

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# HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip            | Security Description                        | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value                   | Mkt<br>Price<br>Mkt<br>YTM   | Market Value<br>Accrued Int.            | % of Port.<br>Gain/Loss         | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration       |
|------------------|---------------------------------------------|---------------------|---------------------------------------|--------------------------------------------|------------------------------|-----------------------------------------|---------------------------------|---------------------------|----------------------------|
| <b>ABS</b>       |                                             |                     |                                       |                                            |                              |                                         |                                 |                           |                            |
| 47800AAC4        | JDOT 2022-B A3 3.74 02/16/2027              | 238.32              | 07/12/2022<br>3.77%                   | 238.30<br>238.32                           | 99.98<br>4.24%               | 238.28<br>0.40                          | 0.00%<br>(0.04)                 | Aaa/NA<br>AAA             | 0.88<br>0.04               |
| 58768PAC8        | MBART 2022-1 A3 5.21<br>08/16/2027          | 78,681.81           | 11/15/2022<br>5.27%                   | 78,666.24<br>78,677.32                     | 100.14<br>4.27%              | 78,788.03<br>182.19                     | 0.04%<br>110.70                 | Aaa/AAA<br>NA             | 1.38<br>0.14               |
| 05592XAD2        | BMWOT 2023-A A3 5.47<br>02/25/2028          | 52,031.90           | 07/11/2023<br>5.47%                   | 52,022.68<br>52,028.09                     | 100.51<br>4.01%              | 52,296.27<br>47.44                      | 0.03%<br>268.18                 | NA/AAA<br>AAA             | 1.91<br>0.33               |
| 02582JJZ4        | AMXCA 2023-1 A 4.87 05/15/2026              | 375,000.00          | 06/07/2023<br>4.92%                   | 374,966.74<br>374,998.23                   | 100.10<br>4.09%              | 375,373.13<br>811.67                    | 0.20%<br>374.90                 | NA/AAA<br>AAA             | 0.12<br>0.12               |
| 161571HT4        | CHAIT 2023-1 A 5.16 09/15/2028              | 1,005,000.00        | 09/07/2023<br>5.23%                   | 1,004,721.41<br>1,004,863.07               | 100.54<br>3.99%              | 1,010,452.13<br>2,304.80                | 0.54%<br>5,589.06               | NA/AAA<br>AAA             | 2.46<br>0.44               |
| 05594HAD5        | BMWLT 2025-2 A3 3.97<br>09/25/2028          | 525,000.00          | 10/08/2025<br>4.32%                   | 524,998.53<br>524,998.76                   | 99.87<br>4.11%               | 524,291.25<br>347.38                    | 0.28%<br>(707.51)               | NA/AAA<br>AAA             | 2.49<br>1.26               |
| 34535VAD6        | FORDO 2024-D A3 4.61<br>08/15/2029          | 580,000.00          | 11/19/2024<br>4.66%                   | 579,981.38<br>579,986.72                   | 100.61<br>4.14%              | 583,563.52<br>1,188.36                  | 0.31%<br>3,576.80               | Aaa/NA<br>AAA             | 3.38<br>1.19               |
| 47800DAD6        | JDOT 2025 A3 4.23 09/17/2029                | 475,000.00          | 03/04/2025<br>5.09%                   | 474,970.12<br>474,977.11                   | 100.28<br>4.08%              | 476,327.15<br>893.00                    | 0.25%<br>1,350.04               | Aaa/NA<br>AAA             | 3.47<br>1.49               |
| 44935CAD3        | HART 2025-A A3 4.32 10/15/2029              | 600,000.00          | 03/04/2025<br>4.84%                   | 599,911.50<br>599,931.81                   | 100.23<br>4.17%              | 601,402.80<br>1,152.00                  | 0.32%<br>1,470.99               | NA/AAA<br>AAA             | 3.54<br>1.25               |
| 58770YAD3        | MBALT 2026-A A3 3.93<br>01/15/2030          | 520,000.00          | 01/13/2026<br>3.97%                   | 519,896.88<br>519,901.84                   | 99.43<br>4.24%               | 517,025.08<br>908.27                    | 0.27%<br>(2,876.76)             | Aaa/NA<br>AAA             | 3.79<br>2.04               |
| 34532BAG6        | FORDO 2025-B A3 3.91<br>04/15/2030          | 490,000.00          | 09/23/2025<br>4.27%                   | 489,947.13<br>489,953.08                   | 99.68<br>4.11%               | 488,411.91<br>851.51                    | 0.26%<br>(1,541.17)             | Aaa/NA<br>AAA             | 4.04<br>1.97               |
| 89231GAD0        | TAOT 2025-D A3 3.84 06/17/2030              | 630,000.00          | 10/15/2025<br>4.27%                   | 629,927.55<br>629,934.38                   | 99.28<br>4.27%               | 625,441.95<br>1,075.20                  | 0.33%<br>(4,492.43)             | NA/AAA<br>AAA             | 4.21<br>1.81               |
| 47787DAD3        | JDOT 2026 A3 3.87 08/15/2030                | 635,000.00          | 03/10/2026<br>4.49%                   | 634,887.48<br>634,888.46                   | 99.41<br>4.16%               | 631,229.37<br>887.41                    | 0.34%<br>(3,659.09)             | Aaa/NA<br>AAA             | 4.38<br>2.28               |
| <b>Total ABS</b> |                                             | <b>5,965,952.03</b> | <b>4.66%</b>                          | <b>5,965,135.94</b><br><b>5,965,377.17</b> | <b>99.98</b><br><b>4.13%</b> | <b>5,964,840.86</b><br><b>10,649.61</b> | <b>3.17%</b><br><b>(536.31)</b> |                           | <b>3.21</b><br><b>1.33</b> |
| <b>AGENCY</b>    |                                             |                     |                                       |                                            |                              |                                         |                                 |                           |                            |
| 3130AWMN7        | FEDERAL HOME LOAN BANKS<br>4.375 06/09/2028 | 1,000,000.00        | 07/26/2023<br>4.27%                   | 1,004,500.00<br>1,002,023.61               | 101.10<br>3.84%              | 1,011,024.00<br>13,611.11               | 0.54%<br>9,000.39               | Aa1/AA+<br>AA+            | 2.19<br>2.05               |

## HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip               | Security Description                                      | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value             | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int.      | % of Port.<br>Gain/Loss    | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration |
|---------------------|-----------------------------------------------------------|---------------------|---------------------------------------|--------------------------------------|----------------------------|-----------------------------------|----------------------------|---------------------------|----------------------|
| 3130AWTR1           | FEDERAL HOME LOAN BANKS<br>4.375 09/08/2028               | 1,000,000.00        | 09/21/2023<br>4.70%                   | 985,570.00<br>992,908.37             | 101.29<br>3.81%            | 1,012,927.00<br>2,795.14          | 0.54%<br>20,018.63         | Aa1/AA+<br>AA+            | 2.44<br>2.29         |
| 3133EPN50           | FEDERAL FARM CREDIT BANKS<br>FUNDING CORP 4.25 12/15/2028 | 1,000,000.00        | 12/28/2023<br>3.88%                   | 1,016,720.00<br>1,009,120.84         | 101.29<br>3.74%            | 1,012,937.00<br>12,513.89         | 0.54%<br>3,816.16          | Aa1/AA+<br>AA+            | 2.71<br>2.51         |
| 3130AVBD3           | FEDERAL HOME LOAN BANKS 4.5<br>03/09/2029                 | 1,000,000.00        | 04/22/2024<br>4.71%                   | 990,720.00<br>994,409.07             | 101.83<br>3.83%            | 1,018,341.00<br>2,750.00          | 0.54%<br>23,931.93         | Aa1/AA+<br>AA+            | 2.94<br>2.73         |
| <b>Total Agency</b> |                                                           | <b>4,000,000.00</b> | <b>4.39%</b>                          | <b>3,997,510.00<br/>3,998,461.89</b> | <b>101.38<br/>3.81%</b>    | <b>4,055,229.00<br/>31,670.14</b> | <b>2.15%<br/>56,767.11</b> |                           | <b>2.57<br/>2.39</b> |

| AGENCY CMBS              |                                |                      |                     |                                        |                        |                                    |                              |                |                      |
|--------------------------|--------------------------------|----------------------|---------------------|----------------------------------------|------------------------|------------------------------------|------------------------------|----------------|----------------------|
| 3137FBU79                | FHMS K-069 A2 3.187 09/25/2027 | 1,448,679.27         | 12/10/2025<br>3.83% | 1,430,853.73<br>1,433,905.46           | 98.74<br>3.97%         | 1,430,407.08<br>3,847.45           | 0.76%<br>(3,498.38)          | Aa1/AAA<br>AA+ | 1.49<br>1.39         |
| 3137F4D41                | FHMS K-074 A2 3.6 01/25/2028   | 1,191,921.72         | 02/10/2026<br>3.65% | 1,188,569.44<br>1,188,798.78           | 99.07<br>4.04%         | 1,180,820.16<br>3,575.77           | 0.63%<br>(7,978.62)          | Aa1/AA+<br>AAA | 1.82<br>1.67         |
| 3137FG6X8                | FHMS K-077 A2 3.85 05/25/2028  | 1,835,000.00         | 05/24/2023<br>4.65% | 1,801,310.55<br>1,820,741.01           | 99.37<br>4.07%         | 1,823,422.99<br>5,887.29           | 0.97%<br>2,681.98            | Aa1/AA+<br>AAA | 2.15<br>1.95         |
| 3137FJZ93                | FHMS K-084 A2 3.78 10/25/2028  | 2,000,000.00         | 12/08/2025<br>3.84% | 1,993,203.13<br>1,993,939.18           | 99.11<br>4.08%         | 1,982,212.00<br>6,300.00           | 1.05%<br>(11,727.18)         | Aaa/AA+<br>AA+ | 2.57<br>2.35         |
| 3137FLN91                | FHMS K-091 A2 3.505 03/25/2029 | 2,000,000.00         | 12/04/2025<br>3.79% | 1,980,312.50<br>1,982,201.03           | 98.28<br>4.09%         | 1,965,610.00<br>5,841.67           | 1.04%<br>(16,591.03)         | Aa1/AAA<br>AA+ | 2.98<br>2.68         |
| 3137FMTY8                | FHMS K-094 A2 2.903 06/25/2029 | 2,000,000.00         | 11/24/2025<br>3.79% | 1,939,843.75<br>1,945,666.84           | 96.37<br>4.10%         | 1,927,358.00<br>4,838.33           | 1.02%<br>(18,308.84)         | Aa1/AA+<br>AAA | 3.24<br>2.96         |
| 3137FRUT6                | FHMS K-106 A2 2.069 01/25/2030 | 1,000,000.00         | 07/14/2025<br>4.25% | 911,445.31<br>925,470.55               | 92.74<br>4.14%         | 927,396.00<br>1,724.17             | 0.49%<br>1,925.45            | Aa1/AA+<br>AAA | 3.82<br>3.56         |
| 3137F9Z79                | FHMS K-125 A2 1.846 01/25/2031 | 3,000,000.00         | --<br>4.08%         | 2,703,339.84<br>2,713,162.69           | 89.80<br>4.22%         | 2,694,084.00<br>4,615.00           | 1.43%<br>(19,078.69)         | Aa1/AA+<br>AAA | 4.82<br>4.45         |
| 3137FXZ35                | FHMS K-127 A2 2.108 01/25/2031 | 2,000,000.00         | 02/03/2026<br>4.11% | 1,821,875.00<br>1,827,248.60           | 90.82<br>4.24%         | 1,816,488.00<br>3,513.33           | 0.97%<br>(10,760.60)         | Aa1/AA+<br>AAA | 4.82<br>4.45         |
| <b>Total Agency CMBS</b> |                                | <b>16,475,600.99</b> | <b>4.00%</b>        | <b>15,770,753.25<br/>15,831,134.14</b> | <b>95.74<br/>4.12%</b> | <b>15,747,798.22<br/>40,143.01</b> | <b>8.37%<br/>(83,335.92)</b> |                | <b>3.22<br/>2.95</b> |

| CASH |
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## HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip             | Security Description | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value           | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int.   | % of Port.<br>Gain/Loss     | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration       |
|-------------------|----------------------|---------------------|---------------------------------------|------------------------------------|----------------------------|--------------------------------|-----------------------------|---------------------------|----------------------------|
| CCYUSD            | Receivable           | 5,015.97            | --                                    | 5,015.97<br>5,015.97               | 1.00                       | 5,015.97<br>0.00               | 0.00%<br>0.00               | Aaa/AAA<br>AAA            | 0.00<br>0.00               |
| <b>Total Cash</b> |                      | <b>5,015.97</b>     |                                       | <b>5,015.97</b><br><b>5,015.97</b> | <b>1.00</b>                | <b>5,015.97</b><br><b>0.00</b> | <b>0.00%</b><br><b>0.00</b> |                           | <b>0.00</b><br><b>0.00</b> |

| CORPORATE |                                                       |              |                     |                              |                 |                           |                      |              |              |
|-----------|-------------------------------------------------------|--------------|---------------------|------------------------------|-----------------|---------------------------|----------------------|--------------|--------------|
| 931142ERO | WALMART INC 1.05 09/17/2026                           | 240,000.00   | 09/08/2021<br>1.09% | 239,546.40<br>239,958.02     | 98.68<br>3.96%  | 236,830.56<br>98.00       | 0.13%<br>(3,127.46)  | Aa2/AA<br>AA | 0.47<br>0.45 |
| 87612EBM7 | TARGET CORP 1.95 01/15/2027                           | 545,000.00   | 01/19/2022<br>1.99% | 544,073.50<br>544,852.64     | 98.43<br>3.99%  | 536,448.95<br>2,243.58    | 0.29%<br>(8,403.69)  | A2/A<br>A    | 0.79<br>0.77 |
| 808513BY0 | CHARLES SCHWAB CORP 2.45<br>03/03/2027                | 1,000,000.00 | --<br>2.76%         | 985,444.30<br>997,301.50     | 98.46<br>4.17%  | 984,579.00<br>1,905.56    | 0.52%<br>(12,722.50) | A2/A-<br>A   | 0.92<br>0.90 |
| 084664CZ2 | BERKSHIRE HATHAWAY FINANCE<br>CORP 2.3 03/15/2027     | 1,095,000.00 | 03/07/2022<br>2.30% | 1,094,791.95<br>1,094,960.35 | 98.45<br>3.97%  | 1,078,030.79<br>1,119.33  | 0.57%<br>(16,929.56) | Aa2/AA<br>A+ | 0.96<br>0.93 |
| 023135CF1 | AMAZON.COM INC 3.3<br>04/13/2027                      | 750,000.00   | 04/25/2022<br>3.34% | 748,702.50<br>749,730.05     | 99.25<br>4.05%  | 744,348.75<br>11,550.00   | 0.40%<br>(5,381.30)  | A1/AA<br>AA- | 1.04<br>0.99 |
| 74340XBN0 | PROLOGIS LP 2.125 04/15/2027                          | 1,000,000.00 | 11/09/2022<br>5.15% | 881,290.00<br>972,107.20     | 98.05<br>4.06%  | 980,478.00<br>9,798.61    | 0.52%<br>8,370.80    | A2/A<br>NA   | 1.04<br>1.00 |
| 927804GH1 | VIRGINIA ELECTRIC AND POWER<br>CO 3.75 05/15/2027     | 250,000.00   | 05/16/2022<br>3.82% | 249,220.00<br>249,823.75     | 99.38<br>4.32%  | 248,457.25<br>3,541.67    | 0.13%<br>(1,366.50)  | A3/BBB+<br>A | 1.12<br>1.07 |
| 14913R3A3 | CATERPILLAR FINANCIAL SERVICES<br>CORP 3.6 08/12/2027 | 700,000.00   | 08/22/2022<br>3.81% | 693,301.00<br>698,160.91     | 99.44<br>4.03%  | 696,047.10<br>3,430.00    | 0.37%<br>(2,113.81)  | A2/A<br>A+   | 1.37<br>1.31 |
| 931142EX7 | WALMART INC 3.95 09/09/2027                           | 500,000.00   | --<br>3.98%         | 499,366.20<br>499,817.43     | 100.03<br>3.93% | 500,159.00<br>1,206.94    | 0.27%<br>341.57      | Aa2/AA<br>AA | 1.44<br>1.38 |
| 89115A2M3 | TORONTO-DOMINION BANK 5.156<br>01/10/2028             | 1,100,000.00 | 06/28/2023<br>5.27% | 1,094,940.00<br>1,098,015.75 | 101.27<br>4.40% | 1,113,976.60<br>12,761.10 | 0.59%<br>15,960.85   | A2/A-<br>AA- | 1.78<br>1.66 |
| 756109AU8 | REALTY INCOME CORP 3.65<br>01/15/2028                 | 1,000,000.00 | 04/24/2023<br>4.71% | 955,470.00<br>983,117.32     | 98.82<br>4.34%  | 988,246.00<br>7,705.56    | 0.53%<br>5,128.68    | A3/A-<br>NA  | 1.79<br>1.70 |
| 06051GGF0 | BANK OF AMERICA CORP 3.824<br>01/20/2028              | 1,000,000.00 | 04/10/2023<br>5.53% | 956,490.00<br>990,723.76     | 99.50<br>5.06%  | 995,014.00<br>7,541.78    | 0.53%<br>4,290.24    | A1/A-<br>AA- | 1.81<br>0.78 |
| 06406RAB3 | BANK OF NEW YORK MELLON<br>CORP 3.442 02/07/2028      | 1,000,000.00 | 04/26/2023<br>4.99% | 961,850.00<br>991,381.03     | 99.29<br>4.69%  | 992,877.00<br>5,163.00    | 0.53%<br>1,495.97    | Aa3/A<br>AA- | 1.86<br>0.82 |

## HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip     | Security Description                                   | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value     | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int. | % of Port.<br>Gain/Loss | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration |
|-----------|--------------------------------------------------------|---------------------|---------------------------------------|------------------------------|----------------------------|------------------------------|-------------------------|---------------------------|----------------------|
| 74456QBU9 | PUBLIC SERVICE ELECTRIC AND<br>GAS CO 3.7 05/01/2028   | 1,250,000.00        | 09/06/2023<br>5.10%                   | 1,178,487.50<br>1,217,931.05 | 98.82<br>4.30%             | 1,235,227.50<br>19,270.83    | 0.66%<br>17,296.45      | A1/A<br>NA                | 2.08<br>1.95         |
| 037833ET3 | APPLE INC 4.0 05/10/2028                               | 205,000.00          | 05/08/2023<br>4.04%                   | 204,604.35<br>204,833.25     | 100.12<br>3.94%            | 205,244.36<br>3,211.67       | 0.11%<br>411.11         | Aaa/AA+<br>NA             | 2.11<br>1.90         |
| 95000U2A0 | WELLS FARGO & CO 3.584<br>05/22/2028                   | 2,000,000.00        | 12/10/2025<br>4.61%                   | 1,984,800.00<br>1,986,689.36 | 99.06<br>4.83%             | 1,981,100.00<br>25,685.33    | 1.05%<br>(5,589.36)     | A1/BBB+<br>A+             | 2.14<br>1.09         |
| 02665WEM9 | AMERICAN HONDA FINANCE<br>CORP 5.125 07/07/2028        | 1,200,000.00        | 08/17/2023<br>5.33%                   | 1,189,428.00<br>1,195,087.76 | 101.06<br>4.62%            | 1,212,778.80<br>14,350.00    | 0.64%<br>17,691.04      | A3/BBB+<br>A              | 2.27<br>2.10         |
| 64952WFP3 | NEW YORK LIFE GLOBAL FUNDING<br>4.15 07/25/2028        | 2,000,000.00        | 12/23/2025<br>3.94%                   | 2,010,080.00<br>2,009,033.56 | 99.67<br>4.30%             | 1,993,422.00<br>15,216.67    | 1.06%<br>(15,611.56)    | Aa1/AA+<br>AAA            | 2.32<br>2.17         |
| 78016HZS2 | ROYAL BANK OF CANADA 5.2<br>08/01/2028                 | 1,000,000.00        | 09/07/2023<br>5.53%                   | 986,020.00<br>993,323.10     | 101.98<br>4.30%            | 1,019,816.00<br>8,666.67     | 0.54%<br>26,492.90      | A1/A<br>AA-               | 2.34<br>2.16         |
| 69371RU20 | PACCAR FINANCIAL CORP 4.0<br>11/07/2028                | 1,200,000.00        | 11/25/2025<br>3.78%                   | 1,207,380.00<br>1,206,516.60 | 99.64<br>4.14%             | 1,195,713.60<br>19,200.00    | 0.64%<br>(10,803.00)    | A1/A+<br>NA               | 2.61<br>2.41         |
| 61776NZU0 | MORGAN STANLEY PRIVATE BANK<br>NA 4.204 11/17/2028     | 1,000,000.00        | 12/10/2025<br>4.13%                   | 1,001,340.00<br>1,001,129.32 | 99.65<br>4.43%             | 996,537.00<br>15,414.67      | 0.53%<br>(4,592.32)     | Aa3/A+<br>AA-             | 2.63<br>1.53         |
| 89236TFT7 | TOYOTA MOTOR CREDIT CORP<br>3.65 01/08/2029            | 1,500,000.00        | 11/25/2025<br>3.92%                   | 1,488,270.00<br>1,489,567.61 | 98.44<br>4.25%             | 1,476,597.00<br>12,622.92    | 0.78%<br>(12,970.61)    | A1/A+<br>A+               | 2.77<br>2.58         |
| 24422EXH7 | JOHN DEERE CAPITAL CORP 4.5<br>01/16/2029              | 1,200,000.00        | 04/23/2024<br>5.08%                   | 1,170,792.00<br>1,182,732.27 | 100.95<br>4.13%            | 1,211,438.40<br>11,250.00    | 0.64%<br>28,706.13      | A1/A<br>A+                | 2.80<br>2.58         |
| 06051GMK2 | BANK OF AMERICA CORP 4.979<br>01/24/2029               | 450,000.00          | 01/28/2025<br>4.92%                   | 450,702.00<br>450,427.00     | 100.78<br>4.51%            | 453,505.95<br>4,169.91       | 0.24%<br>3,078.95       | A1/A-<br>AA-              | 2.82<br>1.70         |
| 69371RS80 | PACCAR FINANCIAL CORP 4.6<br>01/31/2029                | 1,200,000.00        | 01/24/2024<br>4.64%                   | 1,198,044.00<br>1,198,890.85 | 101.46<br>4.05%            | 1,217,532.00<br>9,353.33     | 0.65%<br>18,641.15      | A1/A+<br>NA               | 2.84<br>2.62         |
| 14913UAJ9 | CATERPILLAR FINANCIAL SERVICES<br>CORP 4.85 02/27/2029 | 450,000.00          | 05/21/2024<br>4.84%                   | 450,193.50<br>450,118.15     | 101.76<br>4.20%            | 457,906.50<br>2,061.25       | 0.24%<br>7,788.36       | A2/A<br>A+                | 2.91<br>2.68         |
| 61747YFD2 | MORGAN STANLEY 5.164<br>04/20/2029                     | 1,200,000.00        | 05/30/2024<br>5.44%                   | 1,188,336.00<br>1,193,839.44 | 101.15<br>4.78%            | 1,213,821.60<br>27,713.47    | 0.64%<br>19,982.16      | A1/A-<br>A+               | 3.05<br>1.89         |
| 89236TMF9 | TOYOTA MOTOR CREDIT CORP<br>5.05 05/16/2029            | 500,000.00          | 05/21/2024<br>5.01%                   | 500,975.00<br>500,611.59     | 102.13<br>4.31%            | 510,668.50<br>9,468.75       | 0.27%<br>10,056.91      | A1/A+<br>A+               | 3.13<br>2.82         |
| 91159HJM3 | US BANCORP 5.775 06/12/2029                            | 1,100,000.00        | 06/20/2024<br>5.26%                   | 1,119,910.00<br>1,111,010.83 | 102.86<br>4.76%            | 1,131,438.00<br>19,233.96    | 0.60%<br>20,427.17      | A3/A<br>A                 | 3.20<br>2.02         |
| 437076DC3 | HOME DEPOT INC 4.75<br>06/25/2029                      | 1,075,000.00        | --<br>4.33%                           | 1,093,949.25<br>1,087,754.75 | 101.54<br>4.23%            | 1,091,521.68<br>13,616.67    | 0.58%<br>3,766.92       | A2/A<br>A                 | 3.24<br>2.87         |

## HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip                  | Security Description                                                   | Par Value/<br>Units  | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value                     | Mkt<br>Price<br>Mkt<br>YTM   | Market Value<br>Accrued Int.              | % of Port.<br>Gain/Loss        | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration       |
|------------------------|------------------------------------------------------------------------|----------------------|---------------------------------------|----------------------------------------------|------------------------------|-------------------------------------------|--------------------------------|---------------------------|----------------------------|
| 46647PAV8              | JPMORGAN CHASE & CO 4.203<br>07/23/2029                                | 1,300,000.00         | --<br>4.84%                           | 1,270,702.00<br>1,282,726.95                 | 99.43<br>4.68%               | 1,292,526.30<br>10,320.70                 | 0.69%<br>9,799.35              | A1/A<br>AA-               | 3.31<br>2.16               |
| 857449AE2              | STATE STREET BANK AND TRUST<br>CO 4.782 11/23/2029                     | 1,250,000.00         | 01/15/2025<br>4.93%                   | 1,241,875.00<br>1,243,892.49                 | 101.61<br>4.30%              | 1,270,140.00<br>21,253.33                 | 0.67%<br>26,247.51             | Aa2/AA-<br>AA             | 3.65<br>3.27               |
| 756109CC6              | REALTY INCOME CORP 3.4<br>01/15/2030                                   | 1,250,000.00         | 12/04/2025<br>4.15%                   | 1,215,000.00<br>1,217,726.36                 | 95.90<br>4.59%               | 1,198,695.00<br>8,972.22                  | 0.64%<br>(19,031.36)           | A3/A-<br>NA               | 3.79<br>3.48               |
| 571748CA8              | MARSH & MCLENNAN<br>COMPANIES INC 4.65 03/15/2030                      | 1,995,000.00         | --<br>4.52%                           | 2,004,207.30<br>2,004,317.18                 | 100.71<br>4.45%              | 2,009,228.34<br>4,123.00                  | 1.07%<br>4,911.17              | A3/A-<br>A-               | 3.96<br>3.50               |
| 00287YDZ9              | ABBVIE INC 4.875 03/15/2030                                            | 2,200,000.00         | --<br>4.27%                           | 2,252,670.00<br>2,246,697.19                 | 101.99<br>4.32%              | 2,243,887.80<br>4,766.67                  | 1.19%<br>(2,809.39)            | A2/A-<br>NA               | 3.96<br>3.50               |
| 74340XBM2              | PROLOGIS LP 2.25 04/15/2030                                            | 1,200,000.00         | 11/24/2025<br>4.11%                   | 1,111,128.00<br>1,118,173.41                 | 92.08<br>4.41%               | 1,105,004.40<br>12,450.00                 | 0.59%<br>(13,169.01)           | A2/A<br>NA                | 4.04<br>3.75               |
| 24422EYE3              | JOHN DEERE CAPITAL CORP 4.55<br>06/05/2030                             | 1,200,000.00         | 12/04/2025<br>4.10%                   | 1,221,792.00<br>1,220,240.17                 | 100.68<br>4.37%              | 1,208,100.00<br>17,593.33                 | 0.64%<br>(12,140.17)           | A1/A<br>A+                | 4.18<br>3.72               |
| 46647PDF0              | JPMORGAN CHASE & CO 4.565<br>06/14/2030                                | 1,200,000.00         | 11/24/2025<br>4.19%                   | 1,214,724.00<br>1,213,282.25                 | 100.09<br>4.73%              | 1,201,128.00<br>16,281.83                 | 0.64%<br>(12,154.25)           | A1/A<br>AA-               | 4.21<br>2.91               |
| 06051GHV4              | BANK OF AMERICA CORP 3.194<br>07/23/2030                               | 1,000,000.00         | 12/04/2025<br>4.40%                   | 966,490.00<br>968,808.55                     | 95.91<br>4.67%               | 959,060.00<br>6,033.11                    | 0.51%<br>(9,748.55)            | A1/A-<br>AA-              | 4.31<br>3.08               |
| 828807DZ7              | SIMON PROPERTY GROUP LP<br>4.375 10/01/2030                            | 2,000,000.00         | 12/08/2025<br>4.27%                   | 2,008,720.00<br>2,008,149.44                 | 99.43<br>4.52%               | 1,988,656.00<br>53,958.33                 | 1.06%<br>(19,493.44)           | A3/A<br>NA                | 4.50<br>4.04               |
| 63743HGC0              | NATIONAL RURAL UTILITIES<br>COOPERATIVE FINANCE CORP 4.3<br>12/10/2030 | 2,000,000.00         | 12/11/2025<br>4.21%                   | 2,008,040.00<br>2,007,547.02                 | 98.85<br>4.57%               | 1,976,948.00<br>26,516.67                 | 1.05%<br>(30,599.02)           | A2/NA<br>A                | 4.70<br>4.15               |
| 40139LBP7              | GUARDIAN LIFE GLOBAL FUNDING<br>4.402 12/11/2030                       | 1,000,000.00         | 12/08/2025<br>4.40%                   | 1,000,000.00<br>1,000,000.00                 | 99.22<br>4.59%               | 992,194.00<br>13,450.56                   | 0.53%<br>(7,806.00)            | Aa1/AA+<br>NA             | 4.70<br>4.14               |
| 14913UBH2              | CATERPILLAR FINANCIAL SERVICES<br>CORP 4.15 01/08/2031                 | 1,250,000.00         | 02/04/2026<br>4.19%                   | 1,247,650.00<br>1,247,721.89                 | 99.06<br>4.37%               | 1,238,293.75<br>11,960.07                 | 0.66%<br>(9,428.14)            | A2/A<br>A+                | 4.77<br>4.24               |
| 02079KBK2              | ALPHABET INC 4.1 02/15/2031                                            | 2,000,000.00         | 02/12/2026<br>4.10%                   | 2,000,117.04<br>2,000,114.07                 | 99.31<br>4.26%               | 1,986,102.00<br>10,933.33                 | 1.06%<br>(14,012.07)           | Aa2/AA+<br>NA             | 4.88<br>4.35               |
| <b>Total Corporate</b> |                                                                        | <b>49,555,000.00</b> | <b>4.39%</b>                          | <b>49,090,912.79</b><br><b>49,368,843.13</b> | <b>99.66</b><br><b>4.40%</b> | <b>49,369,725.47</b><br><b>517,184.37</b> | <b>26.23%</b><br><b>882.34</b> |                           | <b>3.04</b><br><b>2.55</b> |

### MONEY MARKET FUND



## HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip                          | Security Description                                                      | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value                   | Mkt<br>Price<br>Mkt<br>YTM   | Market Value<br>Accrued Int.            | % of Port.<br>Gain/Loss          | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration       |
|--------------------------------|---------------------------------------------------------------------------|---------------------|---------------------------------------|--------------------------------------------|------------------------------|-----------------------------------------|----------------------------------|---------------------------|----------------------------|
| 94975H312                      | ALLSPRING:TRS+ MM S                                                       | 1,895,228.86        | --<br>3.30%                           | 1,895,228.86<br>1,895,228.86               | 1.00<br>3.30%                | 1,895,228.86<br>0.00                    | 1.01%<br>0.00                    | Aaa/AAAm<br>AAA           | 0.00<br>0.00               |
| <b>Total Money Market Fund</b> |                                                                           | <b>1,895,228.86</b> | <b>3.30%</b>                          | <b>1,895,228.86</b><br><b>1,895,228.86</b> | <b>1.00</b><br><b>3.30%</b>  | <b>1,895,228.86</b><br><b>0.00</b>      | <b>1.01%</b><br><b>0.00</b>      |                           | <b>0.00</b><br><b>0.00</b> |
| <b>SUPRANATIONAL</b>           |                                                                           |                     |                                       |                                            |                              |                                         |                                  |                           |                            |
| 45950KDD9                      | INTERNATIONAL FINANCE CORP<br>4.5 07/13/2028                              | 520,000.00          | 07/06/2023<br>4.53%                   | 519,422.80<br>519,736.52                   | 101.47<br>3.82%              | 527,622.16<br>5,070.00                  | 0.28%<br>7,885.64                | Aaa/AAA<br>NA             | 2.28<br>2.14               |
| 4581X0EN4                      | INTER-AMERICAN DEVELOPMENT<br>BANK 4.125 02/15/2029                       | 1,250,000.00        | 02/15/2024<br>4.31%                   | 1,239,725.00<br>1,244,072.98               | 100.77<br>3.84%              | 1,259,578.75<br>6,588.54                | 0.67%<br>15,505.77               | Aaa/AAA<br>NA             | 2.88<br>2.67               |
| 459058LN1                      | INTERNATIONAL BANK FOR<br>RECONSTRUCTION AND<br>DEVELOPM 3.875 10/16/2029 | 1,000,000.00        | 10/28/2024<br>4.14%                   | 988,380.00<br>991,706.41                   | 100.04<br>3.86%              | 1,000,360.00<br>17,760.00               | 0.53%<br>8,653.59                | Aaa/AAA<br>NA             | 3.54<br>3.22               |
| 459058LR2                      | INTERNATIONAL BANK FOR<br>RECONSTRUCTION AND<br>DEVELOPM 4.125 03/20/2030 | 1,000,000.00        | 03/27/2025<br>4.22%                   | 995,850.00<br>996,692.33                   | 100.81<br>3.90%              | 1,008,097.00<br>1,260.42                | 0.54%<br>11,404.67               | Aaa/AAA<br>NA             | 3.97<br>3.63               |
| 459058LY7                      | INTERNATIONAL BANK FOR<br>RECONSTRUCTION AND<br>DEVELOPM 3.5 10/28/2030   | 2,000,000.00        | 12/10/2025<br>3.81%                   | 1,972,820.00<br>1,974,513.03               | 98.18<br>3.94%               | 1,963,628.00<br>29,750.00               | 1.04%<br>(10,885.03)             | Aaa/AAA<br>NA             | 4.58<br>4.12               |
| <b>Total Supranational</b>     |                                                                           | <b>5,770,000.00</b> | <b>4.11%</b>                          | <b>5,716,197.80</b><br><b>5,726,721.27</b> | <b>99.83</b><br><b>3.89%</b> | <b>5,759,285.91</b><br><b>60,428.96</b> | <b>3.06%</b><br><b>32,564.64</b> |                           | <b>3.71</b><br><b>3.38</b> |
| <b>US TREASURY</b>             |                                                                           |                     |                                       |                                            |                              |                                         |                                  |                           |                            |
| 91282CCP4                      | UNITED STATES TREASURY 0.625<br>07/31/2026                                | 1,000,000.00        | 08/10/2021<br>0.82%                   | 990,507.81<br>999,367.19                   | 98.97<br>3.74%               | 989,695.00<br>1,035.91                  | 0.53%<br>(9,672.19)              | Aa1/AA+<br>AA+            | 0.33<br>0.33               |
| 91282CCW9                      | UNITED STATES TREASURY 0.75<br>08/31/2026                                 | 2,250,000.00        | --<br>0.97%                           | 2,226,699.22<br>2,247,998.79               | 98.77<br>3.78%               | 2,222,226.00<br>1,467.39                | 1.18%<br>(25,772.79)             | Aa1/AA+<br>AA+            | 0.42<br>0.41               |
| 91282CDG3                      | UNITED STATES TREASURY 1.125<br>10/31/2026                                | 3,000,000.00        | --<br>1.27%                           | 2,979,511.72<br>2,997,563.68               | 98.48<br>3.80%               | 2,954,343.00<br>14,171.27               | 1.57%<br>(43,220.68)             | Aa1/AA+<br>AA+            | 0.59<br>0.57               |
| 912828Z78                      | UNITED STATES TREASURY 1.5<br>01/31/2027                                  | 500,000.00          | 03/30/2022<br>2.45%                   | 478,320.31<br>496,257.89                   | 98.18<br>3.74%               | 490,893.50<br>1,243.09                  | 0.26%<br>(5,364.39)              | Aa1/AA+<br>AA+            | 0.84<br>0.82               |
| 91282CEF4                      | UNITED STATES TREASURY 2.5<br>03/31/2027                                  | 1,250,000.00        | 09/27/2022<br>4.25%                   | 1,160,839.84<br>1,230,270.94               | 98.83<br>3.71%               | 1,235,312.50<br>85.38                   | 0.66%<br>5,041.56                | Aa1/AA+<br>AA+            | 1.00<br>0.97               |

# HOLDINGS REPORT

City of Vallejo | Account #260 | As of March 31, 2026

| Cusip     | Security Description                       | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value     | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int. | % of Port.<br>Gain/Loss | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration |
|-----------|--------------------------------------------|---------------------|---------------------------------------|------------------------------|----------------------------|------------------------------|-------------------------|---------------------------|----------------------|
| 91282CEN7 | UNITED STATES TREASURY 2.75<br>04/30/2027  | 2,500,000.00        | --<br>3.23%                           | 2,445,792.97<br>2,488,020.52 | 98.92<br>3.78%             | 2,472,922.50<br>28,867.40    | 1.31%<br>(15,098.02)    | Aa1/AA+<br>AA+            | 1.08<br>1.04         |
| 91282CEW7 | UNITED STATES TREASURY 3.25<br>06/30/2027  | 1,400,000.00        | 07/12/2022<br>3.00%                   | 1,416,296.88<br>1,404,089.95 | 99.30<br>3.82%             | 1,390,265.80<br>11,437.85    | 0.74%<br>(13,824.15)    | Aa1/AA+<br>AA+            | 1.25<br>1.20         |
| 91282CKZ3 | UNITED STATES TREASURY 4.375<br>07/15/2027 | 2,000,000.00        | 02/26/2026<br>3.48%                   | 2,023,750.00<br>2,022,191.85 | 100.68<br>3.83%            | 2,013,594.00<br>18,370.17    | 1.07%<br>(8,597.85)     | Aa1/AA+<br>AA+            | 1.29<br>1.23         |
| 91282CFH9 | UNITED STATES TREASURY 3.125<br>08/31/2027 | 2,250,000.00        | --<br>3.47%                           | 2,231,093.75<br>2,239,661.19 | 99.02<br>3.84%             | 2,227,938.75<br>6,114.13     | 1.18%<br>(11,722.44)    | Aa1/AA+<br>AA+            | 1.42<br>1.36         |
| 91282CFM8 | UNITED STATES TREASURY 4.125<br>09/30/2027 | 2,250,000.00        | --<br>3.80%                           | 2,259,423.83<br>2,260,545.54 | 100.41<br>3.84%            | 2,259,229.50<br>253.59       | 1.20%<br>(1,316.04)     | Aa1/AA+<br>AA+            | 1.50<br>1.44         |
| 91282CFU0 | UNITED STATES TREASURY 4.125<br>10/31/2027 | 1,100,000.00        | 12/20/2022<br>3.84%                   | 1,113,750.00<br>1,104,477.47 | 100.41<br>3.85%            | 1,104,555.10<br>19,052.49    | 0.59%<br>77.63          | Aa1/AA+<br>AA+            | 1.59<br>1.49         |
| 91282CLX7 | UNITED STATES TREASURY 4.125<br>11/15/2027 | 2,000,000.00        | 12/04/2025<br>3.54%                   | 2,021,953.13<br>2,018,335.50 | 100.43<br>3.85%            | 2,008,594.00<br>31,222.38    | 1.07%<br>(9,741.50)     | Aa1/AA+<br>AA+            | 1.63<br>1.53         |
| 91282CGC9 | UNITED STATES TREASURY 3.875<br>12/31/2027 | 2,050,000.00        | --<br>3.58%                           | 2,069,824.22<br>2,059,721.42 | 100.07<br>3.83%            | 2,051,441.15<br>19,969.10    | 1.09%<br>(8,280.27)     | Aa1/AA+<br>AA+            | 1.75<br>1.66         |
| 91282CGH8 | UNITED STATES TREASURY 3.5<br>01/31/2028   | 2,000,000.00        | 12/11/2025<br>3.52%                   | 1,999,218.75<br>1,999,328.93 | 99.43<br>3.82%             | 1,988,594.00<br>11,602.21    | 1.06%<br>(10,734.93)    | Aa1/AA+<br>AA+            | 1.84<br>1.75         |
| 9128283W8 | UNITED STATES TREASURY 2.75<br>02/15/2028  | 2,250,000.00        | --<br>3.98%                           | 2,146,708.98<br>2,202,840.43 | 98.08<br>3.82%             | 2,206,845.00<br>7,691.64     | 1.17%<br>4,004.57       | Aa1/AA+<br>AA+            | 1.88<br>1.80         |
| 91282CGP0 | UNITED STATES TREASURY 4.0<br>02/29/2028   | 2,000,000.00        | 12/11/2025<br>3.52%                   | 2,020,312.50<br>2,017,550.60 | 100.33<br>3.82%            | 2,006,562.00<br>6,956.52     | 1.07%<br>(10,988.60)    | Aa1/AA+<br>AA+            | 1.92<br>1.82         |
| 91282CGT2 | UNITED STATES TREASURY 3.625<br>03/31/2028 | 1,750,000.00        | 06/29/2023<br>4.18%                   | 1,708,437.50<br>1,732,522.68 | 99.64<br>3.82%             | 1,743,642.25<br>173.33       | 0.93%<br>11,119.57      | Aa1/AA+<br>AA+            | 2.00<br>1.91         |
| 91282CHA2 | UNITED STATES TREASURY 3.5<br>04/30/2028   | 2,180,000.00        | --<br>3.55%                           | 2,175,314.06<br>2,178,024.36 | 99.37<br>3.82%             | 2,166,204.96<br>32,037.57    | 1.15%<br>(11,819.40)    | Aa1/AA+<br>AA+            | 2.08<br>1.96         |
| 91282CHE4 | UNITED STATES TREASURY 3.625<br>05/31/2028 | 2,250,000.00        | 02/04/2026<br>3.58%                   | 2,252,109.38<br>2,251,972.25 | 99.61<br>3.81%             | 2,241,123.75<br>27,336.88    | 1.19%<br>(10,848.50)    | Aa1/AA+<br>AA+            | 2.17<br>2.04         |
| 91282CHK0 | UNITED STATES TREASURY 4.0<br>06/30/2028   | 2,250,000.00        | 02/09/2026<br>3.50%                   | 2,275,312.50<br>2,273,859.43 | 100.42<br>3.80%            | 2,259,405.00<br>22,624.31    | 1.20%<br>(14,454.43)    | Aa1/AA+<br>AA+            | 2.25<br>2.11         |
| 91282CNM9 | UNITED STATES TREASURY 3.875<br>07/15/2028 | 2,250,000.00        | 02/04/2026<br>3.59%                   | 2,264,765.63<br>2,263,854.17 | 100.12<br>3.82%            | 2,252,637.00<br>18,304.56    | 1.20%<br>(11,217.17)    | Aa1/AA+<br>AA+            | 2.29<br>2.16         |
| 91282CHQ7 | UNITED STATES TREASURY 4.125<br>07/31/2028 | 2,500,000.00        | --<br>3.99%                           | 2,497,050.78<br>2,508,174.37 | 100.69<br>3.81%            | 2,517,187.50<br>17,092.54    | 1.34%<br>9,013.13       | Aa1/AA+<br>AA+            | 2.33<br>2.19         |

# HOLDINGS REPORT



City of Vallejo | Account #260 | As of March 31, 2026

| Cusip     | Security Description                       | Par Value/<br>Units | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value     | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int. | % of Port.<br>Gain/Loss | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration |
|-----------|--------------------------------------------|---------------------|---------------------------------------|------------------------------|----------------------------|------------------------------|-------------------------|---------------------------|----------------------|
| 91282CHX2 | UNITED STATES TREASURY 4.375<br>08/31/2028 | 2,500,000.00        | --<br>4.18%                           | 2,505,527.34<br>2,511,758.89 | 101.25<br>3.83%            | 2,531,250.00<br>9,510.87     | 1.35%<br>19,491.11      | Aa1/AA+<br>AA+            | 2.42<br>2.27         |
| 91282CJA0 | UNITED STATES TREASURY 4.625<br>09/30/2028 | 1,850,000.00        | --<br>4.93%                           | 1,825,767.58<br>1,837,741.43 | 101.91<br>3.81%            | 1,885,410.85<br>233.78       | 1.00%<br>47,669.42      | Aa1/AA+<br>AA+            | 2.50<br>2.34         |
| 91282CJF9 | UNITED STATES TREASURY 4.875<br>10/31/2028 | 2,000,000.00        | 12/23/2025<br>3.59%                   | 2,069,140.63<br>2,062,637.96 | 102.55<br>3.83%            | 2,051,016.00<br>40,939.23    | 1.09%<br>(11,621.96)    | Aa1/AA+<br>AA+            | 2.59<br>2.36         |
| 9128285M8 | UNITED STATES TREASURY 3.125<br>11/15/2028 | 1,000,000.00        | 11/17/2023<br>4.49%                   | 939,570.31<br>968,193.15     | 98.26<br>3.83%             | 982,578.00<br>11,826.66      | 0.52%<br>14,384.85      | Aa1/AA+<br>AA+            | 2.63<br>2.46         |
| 91282CJN2 | UNITED STATES TREASURY 4.375<br>11/30/2028 | 2,250,000.00        | --<br>3.70%                           | 2,304,873.05<br>2,287,160.42 | 101.38<br>3.82%            | 2,281,113.00<br>32,992.79    | 1.21%<br>(6,047.42)     | Aa1/AA+<br>AA+            | 2.67<br>2.46         |
| 91282CJR3 | UNITED STATES TREASURY 3.75<br>12/31/2028  | 2,400,000.00        | --<br>3.77%                           | 2,394,468.76<br>2,399,202.47 | 99.80<br>3.83%             | 2,395,219.20<br>22,624.31    | 1.27%<br>(3,983.27)     | Aa1/AA+<br>AA+            | 2.75<br>2.56         |
| 91282CJW2 | UNITED STATES TREASURY 4.0<br>01/31/2029   | 2,000,000.00        | --<br>4.13%                           | 1,985,546.88<br>1,993,766.37 | 100.45<br>3.83%            | 2,009,062.00<br>13,259.67    | 1.07%<br>15,295.63      | Aa1/AA+<br>AA+            | 2.84<br>2.64         |
| 91282CKD2 | UNITED STATES TREASURY 4.25<br>02/28/2029  | 2,250,000.00        | --<br>3.88%                           | 2,274,228.52<br>2,272,921.71 | 101.15<br>3.83%            | 2,275,839.00<br>8,315.22     | 1.21%<br>2,917.29       | Aa1/AA+<br>AA+            | 2.91<br>2.71         |
| 91282CKG5 | UNITED STATES TREASURY 4.125<br>03/31/2029 | 2,000,000.00        | --<br>4.09%                           | 1,997,328.13<br>2,002,550.49 | 100.83<br>3.83%            | 2,016,640.00<br>225.41       | 1.07%<br>14,089.51      | Aa1/AA+<br>AA+            | 3.00<br>2.80         |
| 91282CKP5 | UNITED STATES TREASURY 4.625<br>04/30/2029 | 1,000,000.00        | 05/28/2024<br>4.54%                   | 1,003,476.56<br>1,002,176.48 | 102.27<br>3.84%            | 1,022,656.00<br>19,419.89    | 0.54%<br>20,479.52      | Aa1/AA+<br>AA+            | 3.08<br>2.80         |
| 91282CKT7 | UNITED STATES TREASURY 4.5<br>05/31/2029   | 2,250,000.00        | --<br>4.04%                           | 2,284,882.82<br>2,280,434.45 | 101.94<br>3.84%            | 2,293,593.75<br>33,935.44    | 1.22%<br>13,159.30      | Aa1/AA+<br>AA+            | 3.17<br>2.89         |
| 91282CKX8 | UNITED STATES TREASURY 4.25<br>06/30/2029  | 1,850,000.00        | --<br>3.67%                           | 1,897,115.24<br>1,881,557.10 | 101.21<br>3.85%            | 1,872,401.65<br>19,764.85    | 0.99%<br>(9,155.45)     | Aa1/AA+<br>AA+            | 3.25<br>2.98         |
| 91282CLC3 | UNITED STATES TREASURY 4.0<br>07/31/2029   | 1,750,000.00        | --<br>4.02%                           | 1,748,632.81<br>1,749,129.54 | 100.45<br>3.86%            | 1,757,792.75<br>11,602.21    | 0.93%<br>8,663.21       | Aa1/AA+<br>AA+            | 3.33<br>3.08         |
| 91282CFJ5 | UNITED STATES TREASURY 3.125<br>08/31/2029 | 2,250,000.00        | --<br>3.54%                           | 2,211,738.28<br>2,220,761.68 | 97.64<br>3.87%             | 2,197,001.25<br>6,114.13     | 1.17%<br>(23,760.43)    | Aa1/AA+<br>AA+            | 3.42<br>3.19         |
| 91282CLN9 | UNITED STATES TREASURY 3.5<br>09/30/2029   | 2,250,000.00        | --<br>4.03%                           | 2,200,917.97<br>2,212,505.92 | 98.80<br>3.87%             | 2,222,930.25<br>215.16       | 1.18%<br>10,424.33      | Aa1/AA+<br>AA+            | 3.50<br>3.26         |
| 91282CLR0 | UNITED STATES TREASURY 4.125<br>10/31/2029 | 2,250,000.00        | --<br>4.01%                           | 2,257,919.92<br>2,259,034.11 | 100.82<br>3.88%            | 2,268,456.75<br>38,970.99    | 1.21%<br>9,422.64       | Aa1/AA+<br>AA+            | 3.59<br>3.25         |
| 91282CMA6 | UNITED STATES TREASURY 4.125<br>11/30/2029 | 1,700,000.00        | --<br>4.09%                           | 1,702,902.34<br>1,702,136.76 | 100.83<br>3.88%            | 1,714,077.70<br>23,503.43    | 0.91%<br>11,940.94      | Aa1/AA+<br>AA+            | 3.67<br>3.33         |

# HOLDINGS REPORT



City of Vallejo | Account #260 | As of March 31, 2026

| Cusip                                   | Security Description                       | Par Value/<br>Units   | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value                       | Mkt<br>Price<br>Mkt<br>YTM   | Market Value<br>Accrued Int.                 | % of Port.<br>Gain/Loss               | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration       |
|-----------------------------------------|--------------------------------------------|-----------------------|---------------------------------------|------------------------------------------------|------------------------------|----------------------------------------------|---------------------------------------|---------------------------|----------------------------|
| 91282CMD0                               | UNITED STATES TREASURY 4.375<br>12/31/2029 | 2,250,000.00          | --<br>4.09%                           | 2,272,822.26<br>2,272,014.63                   | 101.69<br>3.88%              | 2,288,056.50<br>24,745.34                    | 1.22%<br>16,041.87                    | Aa1/AA+<br>AA+            | 3.75<br>3.40               |
| 91282CMG3                               | UNITED STATES TREASURY 4.25<br>01/31/2030  | 2,200,000.00          | 11/26/2025<br>3.54%                   | 2,259,984.38<br>2,255,106.96                   | 101.27<br>3.89%              | 2,227,843.20<br>15,497.24                    | 1.18%<br>(27,263.76)                  | Aa1/AA+<br>AA+            | 3.84<br>3.49               |
| 91282CGQ8                               | UNITED STATES TREASURY 4.0<br>02/28/2030   | 2,000,000.00          | 12/11/2025<br>3.64%                   | 2,027,500.00<br>2,025,534.44                   | 100.38<br>3.89%              | 2,007,578.00<br>6,956.52                     | 1.07%<br>(17,956.44)                  | Aa1/AA+<br>AA+            | 3.91<br>3.58               |
| 91282CMU2                               | UNITED STATES TREASURY 4.0<br>03/31/2030   | 2,250,000.00          | --<br>3.79%                           | 2,269,267.58<br>2,267,597.80                   | 100.36<br>3.90%              | 2,258,086.50<br>245.90                       | 1.20%<br>(9,511.30)                   | Aa1/AA+<br>AA+            | 4.00<br>3.66               |
| 91282CMZ1                               | UNITED STATES TREASURY 3.875<br>04/30/2030 | 2,050,000.00          | --<br>3.91%                           | 2,045,781.25<br>2,047,285.66                   | 99.89<br>3.90%               | 2,047,757.30<br>33,354.97                    | 1.09%<br>471.64                       | Aa1/AA+<br>AA+            | 4.08<br>3.68               |
| 91282CNG2                               | UNITED STATES TREASURY 4.0<br>05/31/2030   | 2,050,000.00          | --<br>3.80%                           | 2,067,031.25<br>2,065,352.57                   | 100.34<br>3.91%              | 2,056,965.90<br>27,483.52                    | 1.09%<br>(8,386.67)                   | Aa1/AA+<br>AA+            | 4.17<br>3.75               |
| 91282CNK3                               | UNITED STATES TREASURY 3.875<br>06/30/2030 | 2,500,000.00          | --<br>3.87%                           | 2,499,785.16<br>2,500,219.35                   | 99.85<br>3.91%               | 2,496,192.50<br>24,352.56                    | 1.33%<br>(4,026.85)                   | Aa1/AA+<br>AA+            | 4.25<br>3.85               |
| 91282CNN7                               | UNITED STATES TREASURY 3.875<br>07/31/2030 | 2,250,000.00          | --<br>3.69%                           | 2,267,470.70<br>2,265,985.40                   | 99.83<br>3.92%               | 2,246,220.00<br>14,450.97                    | 1.19%<br>(19,765.40)                  | Aa1/AA+<br>AA+            | 4.33<br>3.93               |
| 91282CNX5                               | UNITED STATES TREASURY 3.625<br>08/31/2030 | 2,250,000.00          | --<br>3.63%                           | 2,249,003.91<br>2,249,188.62                   | 98.77<br>3.93%               | 2,222,401.50<br>7,092.39                     | 1.18%<br>(26,787.12)                  | Aa1/AA+<br>AA+            | 4.42<br>4.02               |
| 91282CPA3                               | UNITED STATES TREASURY 3.625<br>09/30/2030 | 2,100,000.00          | --<br>3.68%                           | 2,094,605.47<br>2,095,152.78                   | 98.75<br>3.93%               | 2,073,831.90<br>207.99                       | 1.10%<br>(21,320.88)                  | Aa1/AA+<br>AA+            | 4.50<br>4.11               |
| 91282CPD7                               | UNITED STATES TREASURY 3.625<br>10/31/2030 | 2,250,000.00          | --<br>3.67%                           | 2,245,673.83<br>2,246,005.07                   | 98.71<br>3.94%               | 2,220,907.50<br>34,247.24                    | 1.18%<br>(25,097.57)                  | Aa1/AA+<br>AA+            | 4.59<br>4.11               |
| 91282CPN5                               | UNITED STATES TREASURY 3.5<br>11/30/2030   | 2,500,000.00          | 12/08/2025<br>3.76%                   | 2,471,093.75<br>2,472,891.44                   | 98.16<br>3.93%               | 2,454,005.00<br>29,326.92                    | 1.30%<br>(18,886.44)                  | Aa1/AA+<br>AA+            | 4.67<br>4.21               |
| 91282CPR6                               | UNITED STATES TREASURY 3.625<br>12/31/2030 | 2,250,000.00          | 02/04/2026<br>3.82%                   | 2,230,839.84<br>2,231,428.56                   | 98.64<br>3.94%               | 2,219,413.50<br>20,503.28                    | 1.18%<br>(12,015.06)                  | Aa1/AA+<br>AA+            | 4.75<br>4.28               |
| <b>Total US Treasury</b>                |                                            | <b>105,430,000.00</b> | <b>3.63%</b>                          | <b>105,361,890.28</b><br><b>105,634,061.35</b> | <b>99.98</b><br><b>3.85%</b> | <b>105,399,509.71</b><br><b>829,028.57</b>   | <b>56.00%</b><br><b>(234,551.64)</b>  |                           | <b>2.77</b><br><b>2.55</b> |
| <b>Total Portfolio</b>                  |                                            | <b>189,096,797.85</b> | <b>3.92%</b>                          | <b>187,802,644.89</b><br><b>188,424,843.77</b> | <b>98.57</b><br><b>4.02%</b> | <b>188,196,634.00</b><br><b>1,489,104.66</b> | <b>100.00%</b><br><b>(228,209.77)</b> |                           | <b>2.89</b><br><b>2.55</b> |
| <b>Total Market Value +<br/>Accrued</b> |                                            |                       |                                       |                                                |                              | <b>189,685,738.66</b>                        |                                       |                           |                            |

# HOLDINGS REPORT



City of Vallejo Reporting Account | Account #261 | As of March 31, 2026

| Cusip                                   | Security Description                       | Par Value/<br>Units   | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int. | % of Port.<br>Gain/Loss | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration |
|-----------------------------------------|--------------------------------------------|-----------------------|---------------------------------------|--------------------------|----------------------------|------------------------------|-------------------------|---------------------------|----------------------|
| <b>CASH</b>                             |                                            |                       |                                       |                          |                            |                              |                         |                           |                      |
| CCYUSD                                  | Receivable                                 | 554,975.47            | --                                    | 554,975.47               | 1.00                       | 554,975.47                   | 0.52%                   | Aaa/AAA                   | 0.00                 |
|                                         |                                            |                       |                                       | 554,975.47               |                            | 0.00                         | 0.00                    | AAA                       | 0.00                 |
| <b>Total Cash</b>                       |                                            | <b>554,975.47</b>     |                                       | <b>554,975.47</b>        | <b>1.00</b>                | <b>554,975.47</b>            | <b>0.52%</b>            |                           | <b>0.00</b>          |
|                                         |                                            |                       |                                       | <b>554,975.47</b>        |                            | <b>0.00</b>                  | <b>0.00</b>             |                           | <b>0.00</b>          |
| <b>LAIF</b>                             |                                            |                       |                                       |                          |                            |                              |                         |                           |                      |
| 90LAIF\$00                              | Local Agency Investment Fund<br>State Pool | 57,777,409.80         | --                                    | 57,777,409.80            | 1.00                       | 57,777,409.80                | 54.13%                  | NA/NA                     | 0.00                 |
|                                         |                                            |                       | 3.82%                                 | 57,777,409.80            | 3.82%                      | 0.00                         | 0.00                    | NA                        | 0.00                 |
| <b>Total LAIF</b>                       |                                            | <b>57,777,409.80</b>  | <b>3.82%</b>                          | <b>57,777,409.80</b>     | <b>1.00</b>                | <b>57,777,409.80</b>         | <b>54.13%</b>           |                           | <b>0.00</b>          |
|                                         |                                            |                       |                                       | <b>57,777,409.80</b>     | <b>3.82%</b>               | <b>0.00</b>                  | <b>0.00</b>             |                           | <b>0.00</b>          |
| <b>MONEY MARKET<br/>FUND</b>            |                                            |                       |                                       |                          |                            |                              |                         |                           |                      |
| 85253\$413                              | Wells Fargo Stagecoach Sweep<br>Account    | 48,405,534.96         | --                                    | 48,405,534.96            | 1.00                       | 48,405,534.96                | 45.35%                  | NA/NA                     | 0.00                 |
|                                         |                                            |                       | 3.54%                                 | 48,405,534.96            | 3.54%                      | 0.00                         | 0.00                    | NA                        | 0.00                 |
| <b>Total Money Market<br/>Fund</b>      |                                            | <b>48,405,534.96</b>  | <b>3.54%</b>                          | <b>48,405,534.96</b>     | <b>1.00</b>                | <b>48,405,534.96</b>         | <b>45.35%</b>           |                           | <b>0.00</b>          |
|                                         |                                            |                       |                                       | <b>48,405,534.96</b>     | <b>3.54%</b>               | <b>0.00</b>                  | <b>0.00</b>             |                           | <b>0.00</b>          |
| <b>Total Portfolio</b>                  |                                            | <b>106,737,920.23</b> | <b>3.69%</b>                          | <b>106,737,920.23</b>    | <b>1.00</b>                | <b>106,737,920.23</b>        | <b>100.00%</b>          |                           | <b>0.00</b>          |
|                                         |                                            |                       |                                       | <b>106,737,920.23</b>    | <b>3.69%</b>               | <b>0.00</b>                  | <b>0.00</b>             |                           | <b>0.00</b>          |
| <b>Total Market Value +<br/>Accrued</b> |                                            |                       |                                       |                          |                            | <b>106,737,920.23</b>        |                         |                           |                      |

# HOLDINGS REPORT



City of Vallejo Bond Proceeds | Account #10824 | As of March 31, 2026

| Cusip                                   | Security Description         | Par Value/<br>Units  | Purchase<br>Date<br>Purchase<br>Yield | Cost Value<br>Book Value | Mkt<br>Price<br>Mkt<br>YTM | Market Value<br>Accrued Int. | % of Port.<br>Gain/Loss | Moody's/<br>S&P/<br>Fitch | Maturity<br>Duration |
|-----------------------------------------|------------------------------|----------------------|---------------------------------------|--------------------------|----------------------------|------------------------------|-------------------------|---------------------------|----------------------|
| <b>CASH</b>                             |                              |                      |                                       |                          |                            |                              |                         |                           |                      |
| CCYUSD                                  | Receivable                   | 21.12                | --                                    | 21.12                    | 1.00                       | 21.12                        | 0.00%                   | Aaa/AAA                   | 0.00                 |
|                                         |                              |                      |                                       | 21.12                    |                            | 0.00                         | 0.00                    | AAA                       | 0.00                 |
| <b>Total Cash</b>                       |                              | <b>21.12</b>         |                                       | <b>21.12</b>             | <b>1.00</b>                | <b>21.12</b>                 | <b>0.00%</b>            |                           | <b>0.00</b>          |
|                                         |                              |                      |                                       | <b>21.12</b>             |                            | <b>0.00</b>                  | <b>0.00</b>             |                           | <b>0.00</b>          |
| <b>MONEY MARKET FUND</b>                |                              |                      |                                       |                          |                            |                              |                         |                           |                      |
| 94975H312                               | ALLSPRING:TRS+ MM S          | 7,577.67             | --                                    | 7,577.67                 | 1.00                       | 7,577.67                     | 0.02%                   | Aaa/AAAm                  | 0.00                 |
|                                         |                              |                      | 3.29%                                 | 7,577.67                 | 3.29%                      | 0.00                         | 0.00                    | AAA                       | 0.00                 |
| <b>Total Money Market Fund</b>          |                              | <b>7,577.67</b>      | <b>3.29%</b>                          | <b>7,577.67</b>          | <b>1.00</b>                | <b>7,577.67</b>              | <b>0.02%</b>            |                           | <b>0.00</b>          |
|                                         |                              |                      |                                       | <b>7,577.67</b>          | <b>3.29%</b>               | <b>0.00</b>                  | <b>0.00</b>             |                           | <b>0.00</b>          |
| <b>US TREAS SLGS</b>                    |                              |                      |                                       |                          |                            |                              |                         |                           |                      |
| 91399CKK6                               | US TREASURY STATE 05/01/2051 | 27,102,501.99        | --                                    | 27,034,987.08            | 100.00                     | 27,102,501.99                | 81.12%                  | NA/NA                     | 25.08                |
|                                         |                              |                      | 0.00%                                 | 27,034,987.08            | 0.00%                      | 0.00                         | 67,514.91               | NA                        | 25.17                |
| 91399CHE4                               | US TREASURY STATE 05/01/2051 | 6,299,085.70         | --                                    | 6,283,418.89             | 100.00                     | 6,299,085.70                 | 18.85%                  | NA/NA                     | 25.08                |
|                                         |                              |                      | 0.00%                                 | 6,283,418.89             | 0.00%                      | 0.00                         | 15,666.81               | NA                        | 25.17                |
| <b>Total US Treas SLGS</b>              |                              | <b>33,401,587.69</b> | <b>0.00%</b>                          | <b>33,318,405.97</b>     | <b>100.00</b>              | <b>33,401,587.69</b>         | <b>99.98%</b>           |                           | <b>25.08</b>         |
|                                         |                              |                      |                                       | <b>33,318,405.97</b>     | <b>0.00%</b>               | <b>0.00</b>                  | <b>83,181.72</b>        |                           | <b>25.17</b>         |
| <b>Total Portfolio</b>                  |                              | <b>33,409,186.48</b> | <b>0.00%</b>                          | <b>33,326,004.76</b>     | <b>99.98</b>               | <b>33,409,186.48</b>         | <b>100.00%</b>          |                           | <b>25.08</b>         |
|                                         |                              |                      |                                       | <b>33,326,004.76</b>     | <b>0.00%</b>               | <b>0.00</b>                  | <b>83,181.72</b>        |                           | <b>25.16</b>         |
| <b>Total Market Value +<br/>Accrued</b> |                              |                      |                                       |                          |                            | <b>33,409,186.48</b>         |                         |                           |                      |

## TRANSACTIONS

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# TRANSACTION LEDGER



City of Vallejo | Account #260 | 01/01/2026 Through 03/31/2026 |

| Transaction Type    | Settlement Date | CUSIP     | Quantity     | Security Description                                      | Price   | Acq/Disp Yield | Amount         | Interest Pur/Sold | Total Amount   | Gain/Loss |
|---------------------|-----------------|-----------|--------------|-----------------------------------------------------------|---------|----------------|----------------|-------------------|----------------|-----------|
| <b>ACQUISITIONS</b> |                 |           |              |                                                           |         |                |                |                   |                |           |
| Purchase            | 01/21/2026      | 58770YAD3 | 520,000.00   | MBALT 2026-A A3 3.93<br>01/15/2030                        | 99.980  | 3.97%          | (519,896.88)   | 0.00              | (519,896.88)   | 0.00      |
| Purchase            | 01/28/2026      | 3137F9Z79 | 2,500,000.00 | FHMS K-125 A2 1.846<br>01/25/2031                         | 89.945  | 4.11%          | (2,248,632.81) | (3,461.25)        | (2,252,094.06) | 0.00      |
| Purchase            | 02/05/2026      | 14913UBH2 | 1,250,000.00 | CATERPILLAR<br>FINANCIAL SERVICES<br>CORP 4.15 01/08/2031 | 99.812  | 4.19%          | (1,247,650.00) | (3,890.63)        | (1,251,540.63) | 0.00      |
| Purchase            | 02/05/2026      | 91282CLR0 | 1,000,000.00 | UNITED STATES<br>TREASURY 4.125<br>10/31/2029             | 101.402 | 3.72%          | (1,014,023.44) | (11,053.18)       | (1,025,076.62) | 0.00      |
| Purchase            | 02/05/2026      | 91282CFH9 | 1,250,000.00 | UNITED STATES<br>TREASURY 3.125<br>08/31/2027             | 99.359  | 3.55%          | (1,241,992.19) | (17,049.38)       | (1,259,041.57) | 0.00      |
| Purchase            | 02/05/2026      | 91282CLN9 | 1,000,000.00 | UNITED STATES<br>TREASURY 3.5<br>09/30/2029               | 99.301  | 3.71%          | (993,007.81)   | (12,307.69)       | (1,005,315.50) | 0.00      |
| Purchase            | 02/05/2026      | 91282CMD0 | 1,000,000.00 | UNITED STATES<br>TREASURY 4.375<br>12/31/2029             | 102.316 | 3.73%          | (1,023,164.06) | (4,350.83)        | (1,027,514.89) | 0.00      |
| Purchase            | 02/05/2026      | 91282CHE4 | 2,250,000.00 | UNITED STATES<br>TREASURY 3.625<br>05/31/2028             | 100.094 | 3.58%          | (2,252,109.38) | (15,012.88)       | (2,267,122.26) | 0.00      |
| Purchase            | 02/05/2026      | 91282CKT7 | 1,000,000.00 | UNITED STATES<br>TREASURY 4.5<br>05/31/2029               | 102.570 | 3.67%          | (1,025,703.13) | (8,282.97)        | (1,033,986.10) | 0.00      |
| Purchase            | 02/05/2026      | 91282CNM9 | 2,250,000.00 | UNITED STATES<br>TREASURY 3.875<br>07/15/2028             | 100.656 | 3.59%          | (2,264,765.63) | (5,057.84)        | (2,269,823.47) | 0.00      |
| Purchase            | 02/05/2026      | 91282CPR6 | 2,250,000.00 | UNITED STATES<br>TREASURY 3.625<br>12/31/2030             | 99.148  | 3.82%          | (2,230,839.84) | (8,111.19)        | (2,238,951.03) | 0.00      |
| Purchase            | 02/06/2026      | 3137FXZ35 | 2,000,000.00 | FHMS K-127 A2 2.108<br>01/25/2031                         | 91.094  | 4.11%          | (1,821,875.00) | (585.56)          | (1,822,460.56) | 0.00      |
| Purchase            | 02/09/2026      | 91282CHQ7 | 1,500,000.00 | UNITED STATES<br>TREASURY 4.125<br>07/31/2028             | 101.387 | 3.53%          | (1,520,800.78) | (1,538.33)        | (1,522,339.11) | 0.00      |



## TRANSACTION LEDGER

City of Vallejo | Account #260 | 01/01/2026 Through 03/31/2026 |

| Transaction Type | Settlement Date | CUSIP     | Quantity     | Security Description                          | Price   | Acq/Disp Yield | Amount         | Interest Pur/Sold | Total Amount   | Gain/Loss |
|------------------|-----------------|-----------|--------------|-----------------------------------------------|---------|----------------|----------------|-------------------|----------------|-----------|
| Purchase         | 02/09/2026      | 91282CKD2 | 1,250,000.00 | UNITED STATES<br>TREASURY 4.25<br>02/28/2029  | 101.895 | 3.59%          | (1,273,681.64) | (23,774.17)       | (1,297,455.81) | 0.00      |
| Purchase         | 02/09/2026      | 91282CHX2 | 1,000,000.00 | UNITED STATES<br>TREASURY 4.375<br>08/31/2028 | 101.988 | 3.55%          | (1,019,882.81) | (19,578.73)       | (1,039,461.54) | 0.00      |
| Purchase         | 02/09/2026      | 91282CJR3 | 1,200,000.00 | UNITED STATES<br>TREASURY 3.75<br>12/31/2028  | 100.488 | 3.57%          | (1,205,859.38) | (4,972.38)        | (1,210,831.76) | 0.00      |
| Purchase         | 02/10/2026      | 91282CHK0 | 2,250,000.00 | UNITED STATES<br>TREASURY 4.0<br>06/30/2028   | 101.125 | 3.50%          | (2,275,312.50) | (10,193.37)       | (2,285,505.87) | 0.00      |
| Purchase         | 02/10/2026      | 9128283W8 | 1,000,000.00 | UNITED STATES<br>TREASURY 2.75<br>02/15/2028  | 98.563  | 3.50%          | (985,625.00)   | (13,376.36)       | (999,001.36)   | 0.00      |
| Purchase         | 02/10/2026      | 91282CFM8 | 1,250,000.00 | UNITED STATES<br>TREASURY 4.125<br>09/30/2027 | 101.004 | 3.49%          | (1,262,548.83) | (18,840.14)       | (1,281,388.97) | 0.00      |
| Purchase         | 02/13/2026      | 3137F4D41 | 1,200,000.00 | FHMS K-074 A2 3.6<br>01/25/2028               | 99.719  | 3.65%          | (1,191,162.98) | (1,433.43)        | (1,192,596.41) | 0.00      |
| Purchase         | 02/17/2026      | 02079KBK2 | 1,184,000.00 | ALPHABET INC 4.1<br>02/15/2031                | 100.044 | 4.09%          | (1,184,520.96) | (539.38)          | (1,185,060.34) | 0.00      |
| Purchase         | 02/17/2026      | 02079KBK2 | 816,000.00   | ALPHABET INC 4.1<br>02/15/2031                | 99.951  | 4.11%          | (815,596.08)   | (371.73)          | (815,967.81)   | 0.00      |
| Purchase         | 02/18/2026      | 91282CFJ5 | 750,000.00   | UNITED STATES<br>TREASURY 3.125<br>08/31/2029 | 98.703  | 3.52%          | (740,273.44)   | (11,071.31)       | (751,344.75)   | 0.00      |
| Purchase         | 02/18/2026      | 91282CJN2 | 750,000.00   | UNITED STATES<br>TREASURY 4.375<br>11/30/2028 | 102.402 | 3.46%          | (768,017.58)   | (7,211.54)        | (775,229.12)   | 0.00      |
| Purchase         | 02/20/2026      | 3137F9Z79 | 500,000.00   | FHMS K-125 A2 1.846<br>01/25/2031             | 90.941  | 3.90%          | (454,707.03)   | (487.14)          | (455,194.17)   | 0.00      |
| Purchase         | 02/27/2026      | 91282CKZ3 | 2,000,000.00 | UNITED STATES<br>TREASURY 4.375<br>07/15/2027 | 101.188 | 3.48%          | (2,023,750.00) | (10,393.65)       | (2,034,143.65) | 0.00      |
| Purchase         | 03/18/2026      | 47787DAD3 | 635,000.00   | JDOT 2026 A3 3.87<br>08/15/2030               | 99.982  | 4.49%          | (634,887.48)   | 0.00              | (634,887.48)   | 0.00      |

## TRANSACTION LEDGER



City of Vallejo | Account #260 | 01/01/2026 Through 03/31/2026 |

| Transaction Type          | Settlement Date | CUSIP     | Quantity               | Security Description                   | Price   | Acq/Disp Yield | Amount                 | Interest Pur/Sold   | Total Amount           | Gain/Loss       |
|---------------------------|-----------------|-----------|------------------------|----------------------------------------|---------|----------------|------------------------|---------------------|------------------------|-----------------|
| <b>Total Purchase</b>     |                 |           | <b>35,555,000.00</b>   |                                        |         |                | <b>(35,240,286.66)</b> | <b>(212,945.06)</b> | <b>(35,453,231.72)</b> | <b>0.00</b>     |
| <b>TOTAL ACQUISITIONS</b> |                 |           | <b>35,555,000.00</b>   |                                        |         |                | <b>(35,240,286.66)</b> | <b>(212,945.06)</b> | <b>(35,453,231.72)</b> | <b>0.00</b>     |
| <b>DISPOSITIONS</b>       |                 |           |                        |                                        |         |                |                        |                     |                        |                 |
| Maturity                  | 01/31/2026      | 91282CJV4 | (30,000,000.00)        | UNITED STATES TREASURY 4.25 01/31/2026 | 100.000 | 4.12%          | 30,000,000.00          | 0.00                | 30,000,000.00          | 0.00            |
| <b>Total Maturity</b>     |                 |           | <b>(30,000,000.00)</b> |                                        |         |                | <b>30,000,000.00</b>   | <b>0.00</b>         | <b>30,000,000.00</b>   | <b>0.00</b>     |
| Sale                      | 01/27/2026      | 912828V98 | (1,250,000.00)         | UNITED STATES TREASURY 2.25 02/15/2027 | 98.652  | 3.92%          | 1,233,154.30           | 12,610.39           | 1,245,764.69           | 3,257.26        |
| <b>Total Sale</b>         |                 |           | <b>(1,250,000.00)</b>  |                                        |         |                | <b>1,233,154.30</b>    | <b>12,610.39</b>    | <b>1,245,764.69</b>    | <b>3,257.26</b> |
| <b>TOTAL DISPOSITIONS</b> |                 |           | <b>(31,250,000.00)</b> |                                        |         |                | <b>31,233,154.30</b>   | <b>12,610.39</b>    | <b>31,245,764.69</b>   | <b>3,257.26</b> |

TRANSACTION LEDGER



City of Vallejo Reporting Account | Account #261|01/01/2026 Through 03/31/2026|

| Transaction Type   | Settlement Date | CUSIP      | Quantity   | Security Description                    | Price | Acq/Disp Yield | Amount       | Interest Pur/Sold | Total Amount | Gain/Loss |
|--------------------|-----------------|------------|------------|-----------------------------------------|-------|----------------|--------------|-------------------|--------------|-----------|
| ACQUISITIONS       |                 |            |            |                                         |       |                |              |                   |              |           |
| Purchase           | 01/15/2026      | 90LAIF\$00 | 604,525.18 | Local Agency Investment Fund State Pool | 1.000 | 3.93%          | (604,525.18) | 0.00              | (604,525.18) | 0.00      |
| Total Purchase     |                 |            | 604,525.18 |                                         |       |                | (604,525.18) | 0.00              | (604,525.18) | 0.00      |
| TOTAL ACQUISITIONS |                 |            | 604,525.18 |                                         |       |                | (604,525.18) | 0.00              | (604,525.18) | 0.00      |

# TRANSACTION LEDGER



City of Vallejo Bond Proceeds | Account #10824 | 01/01/2026 Through 03/31/2026 |

| Transaction Type          | Settlement Date | CUSIP     | Quantity              | Security Description         | Price   | Acq/Disp Yield | Amount              | Interest Pur/Sold | Total Amount        | Gain/Loss        |
|---------------------------|-----------------|-----------|-----------------------|------------------------------|---------|----------------|---------------------|-------------------|---------------------|------------------|
| <b>ACQUISITIONS</b>       |                 |           |                       |                              |         |                |                     |                   |                     |                  |
| Transfer In               | 01/02/2026      | 91399CJM4 | 9,832.28              | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (9,832.28)          | 0.00              | 0.00                | 0.00             |
| Transfer In               | 01/02/2026      | 91399CHE4 | 27,805.45             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (27,805.45)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 01/02/2026      | 91399CKK6 | 64,273.54             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (64,273.54)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 02/02/2026      | 91399CJM4 | 9,671.12              | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (9,671.12)          | 0.00              | 0.00                | 0.00             |
| Transfer In               | 02/02/2026      | 91399CHE4 | 27,349.66             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (27,349.66)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 02/02/2026      | 91399CKK6 | 63,219.94             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (63,219.94)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 02/24/2026      | 91399CJM4 | 7,573.88              | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (7,573.88)          | 0.00              | 0.00                | 0.00             |
| Transfer In               | 03/02/2026      | 91399CHE4 | 23,333.62             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (23,333.62)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 03/02/2026      | 91399CKK6 | 57,749.38             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (57,749.38)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 03/31/2026      | 91399CHE4 | 14,965.88             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (14,965.88)         | 0.00              | 0.00                | 0.00             |
| Transfer In               | 03/31/2026      | 91399CKK6 | 64,392.34             | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | (64,392.34)         | 0.00              | 0.00                | 0.00             |
| <b>Total Transfer In</b>  |                 |           | <b>370,167.09</b>     |                              |         |                | <b>(370,167.09)</b> | <b>0.00</b>       | <b>0.00</b>         | <b>0.00</b>      |
| <b>TOTAL DISPOSITIONS</b> |                 |           | <b>370,167.09</b>     |                              |         |                | <b>(370,167.09)</b> | <b>0.00</b>       | <b>0.00</b>         | <b>0.00</b>      |
| <b>DISPOSITIONS</b>       |                 |           |                       |                              |         |                |                     |                   |                     |                  |
| Sale                      | 02/24/2026      | 91399CJM4 | (4,134,912.52)        | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | 4,134,912.52        | 0.00              | 4,134,912.52        | 21,479.30        |
| Sale                      | 02/24/2026      | 91399CHE4 | (5,411,214.87)        | US TREASURY STATE 05/01/2051 | 100.000 | 0.00%          | 5,411,214.87        | 0.00              | 5,411,214.87        | 13,540.87        |
| <b>Total Sale</b>         |                 |           | <b>(9,546,127.39)</b> |                              |         |                | <b>9,546,127.39</b> | <b>0.00</b>       | <b>9,546,127.39</b> | <b>35,020.17</b> |
| <b>TOTAL DISPOSITIONS</b> |                 |           | <b>(9,546,127.39)</b> |                              |         |                | <b>9,546,127.39</b> | <b>0.00</b>       | <b>9,546,127.39</b> | <b>35,020.17</b> |

## IMPORTANT DISCLOSURES



2026 Chandler Asset Management, Inc, An Independent Registered Investment Adviser.

Information contained herein is confidential. Prices are provided by ICE Data Services Inc (“IDS”), an independent pricing source. In the event IDS does not provide a price or if the price provided is not reflective of fair market value, Chandler will obtain pricing from an alternative approved third party pricing source in accordance with our written valuation policy and procedures. Our valuation procedures are also disclosed in Item 5 of our Form ADV Part 2A.

Performance results are presented gross-of-advisory fees and represent the client’s Total Return. The deduction of advisory fees lowers performance results. These results include the reinvestment of dividends and other earnings. Past performance may not be indicative of future results. Therefore, clients should not assume that future performance of any specific investment or investment strategy will be profitable or equal to past performance levels. All investment strategies have the potential for profit or loss. Economic factors, market conditions or changes in investment strategies, contributions or withdrawals may materially alter the performance and results of your portfolio.

Index returns assume reinvestment of all distributions. Historical performance results for investment indexes generally do not reflect the deduction of transaction and/or custodial charges or the deduction of an investment management fee, the incurrence of which would have the effect of decreasing historical performance results. It is not possible to invest directly in an index.

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This report is provided for informational purposes only and should not be construed as a specific investment or legal advice. The information contained herein was obtained from sources believed to be reliable as of the date of publication, but may become outdated or superseded at any time without notice. Any opinions or views expressed are based on current market conditions and are subject to change. This report may contain forecasts and forward-looking statements which are inherently limited and should not be relied upon as indicator of future results. Past performance is not indicative of future results. This report is not intended to constitute an offer, solicitation, recommendation or advice regarding any securities or investment strategy and should not be regarded by recipients as a substitute for the exercise of their own judgment.

Fixed income investments are subject to interest, credit and market risk. Interest rate risk: the value of fixed income investments will decline as interest rates rise. Credit risk: the possibility that the borrower may not be able to repay interest and principal. Low rated bonds generally have to pay higher interest rates to attract investors willing to take on greater risk. Market risk: the bond market in general could decline due to economic conditions, especially during periods of rising interest rates.

Ratings information have been provided by Moody’s, S&P and Fitch through data feeds we believe to be reliable as of the date of this statement, however we cannot guarantee its accuracy.

Security level ratings for U.S. Agency issued mortgage-backed securities (“MBS”) reflect the issuer rating because the securities themselves are not rated. The issuing U.S. Agency guarantees the full and timely payment of both principal and interest.

**LGIP Yields:** Reported yields for local government investment pools may be presented as either the 30-day yield or the monthly distribution yield, as applicable. For certain funds, the 30-day yield is calculated using reported daily yield data. Yield calculations are subject to change and may not be directly comparable across funds.

**LAIF Yields:** Additional Disclosure for CA Clients - As a result of a reporting lag from the Local Agency Investment Fund (LAIF), reported LAIF yields represent the most recently available Daily Effective Yield and may reflect data from approximately 7–10 days prior to month-end.

| Benchmark                                                 | Disclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ICE BofA 1-5 Yr Unsubordinated US Treasury & Agency Index | The ICE BofA 1-5 Year Unsubordinated US Treasury & Agency Index tracks the performance of US dollar denominated US Treasury and nonsubordinated US agency debt issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch). Qualifying securities must have at least one year remaining term to final maturity and less than five years remaining term to final maturity, at least 18 months to maturity at time of issuance, a fixed coupon schedule, and a minimum amount outstanding of \$1 billion for sovereigns and \$250 million for agencies. |

# INVESTMENT REPORT

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City of Vallejo | Council Report | As of March 31, 2026

CHANDLER ASSET MANAGEMENT | [chandlerasset.com](http://chandlerasset.com)

**Chandler Team:**

For questions about your account, please call (800) 317-4747,  
or contact [clientservice@chandlerasset.com](mailto:clientservice@chandlerasset.com)

[ECONOMIC UPDATE](#)

[ACCOUNT PROFILE](#)

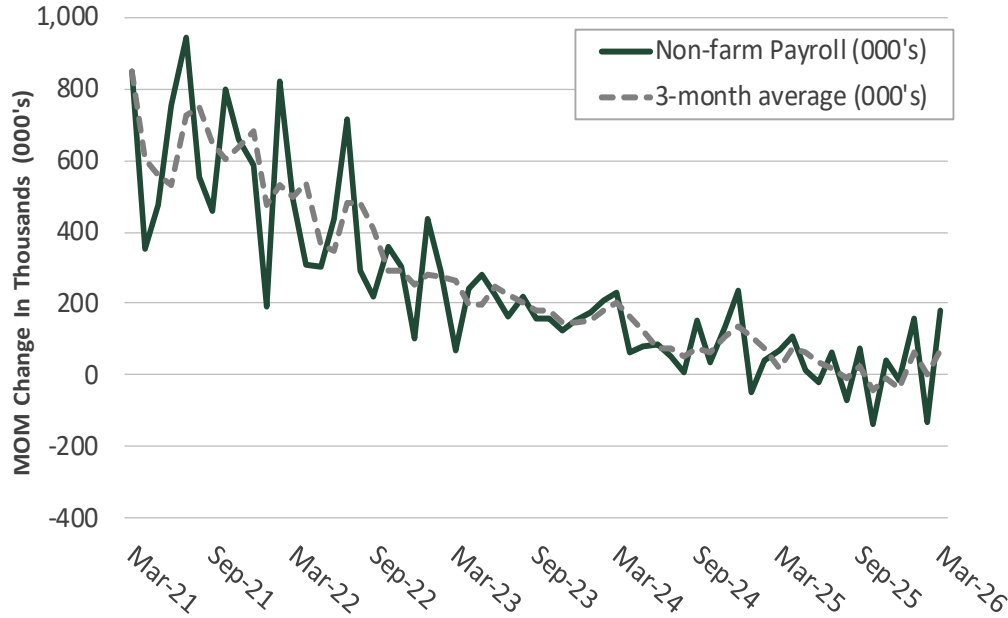


## ECONOMIC UPDATE

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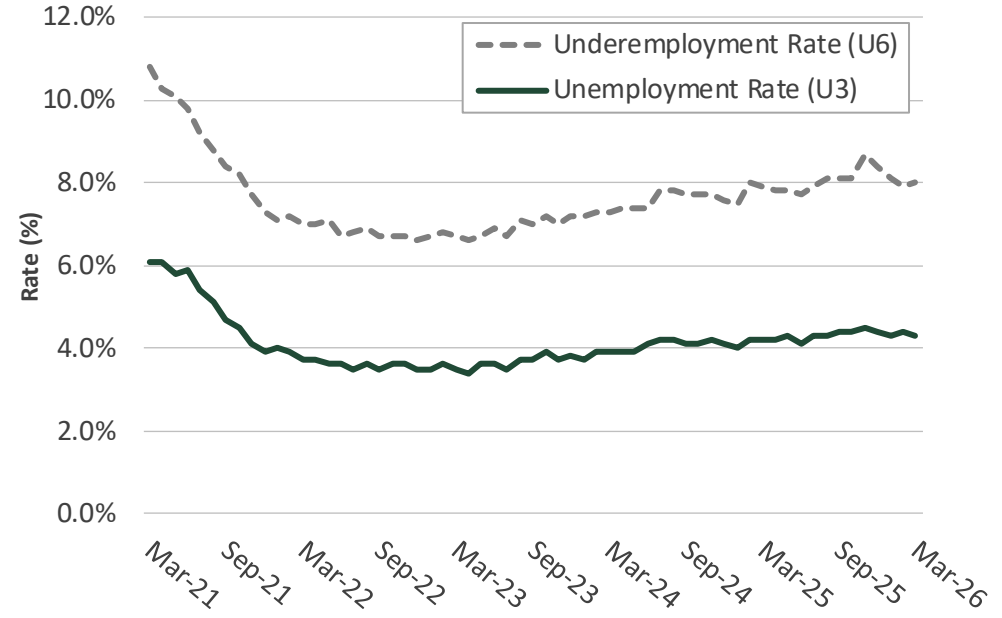
- March payrolls rebounded by 178,000 after February's revised 133,000 decline, but the war in Iran and its disruption of the Strait of Hormuz have pushed crude oil above \$112, injecting a potential inflationary shock into an economy contending with sticky core prices above 3%. The Federal Reserve has held the funds rate at 3.50–3.75% and is signaling a cautionary stance, keeping open the option of delaying cuts if oil-related inflation proves persistent rather than transitory. As the data flow normalizes, the Chandler team anticipates additional yield curve steepening as the Federal Reserve gradually guides the policy rate toward a more neutral range. The Federal Reserve's March dot plot still projects one cut this year, yet the Iran-driven energy shock has narrowed the path toward easing.
  
- The Federal Reserve's March 2026 FOMC meeting ended with policymakers again holding the target range at 3.50%–3.75%, as the Committee maintained its pause following three late-2025 rate cuts. Governor Stephen Miran dissented in favor of an additional quarter-point reduction, while Christopher Waller joined the majority, tipping the vote 11–1 to leave the benchmark rate unchanged. Meanwhile, President Trump's nomination of Kevin Warsh to succeed Jerome Powell as chair has hit a roadblock after a Republican senator vowed to block Warsh's confirmation amid the Justice Department's ongoing probe of the central bank.
  
- Treasury yields exhibited considerable first-quarter volatility as the Iran conflict injected energy-driven inflation fears into a market grappling with sticky core prices. At March month-end, the 2-year yield stood at 3.79%, up 32 basis points year-to-date, the 10-year at 4.32%, and the 30-year at 4.86%. The 2-year to 10-year spread narrowed to 52 basis points, reflecting pronounced flattening as short rates rose faster than longer maturities. One year ago, that spread stood near 32 basis points, providing context on normalization since the 2022 through 2024 yield curve inversion. The 3-month to 10-year spread was approximately 64 basis points at March month-end.

Nonfarm Payroll (000's)



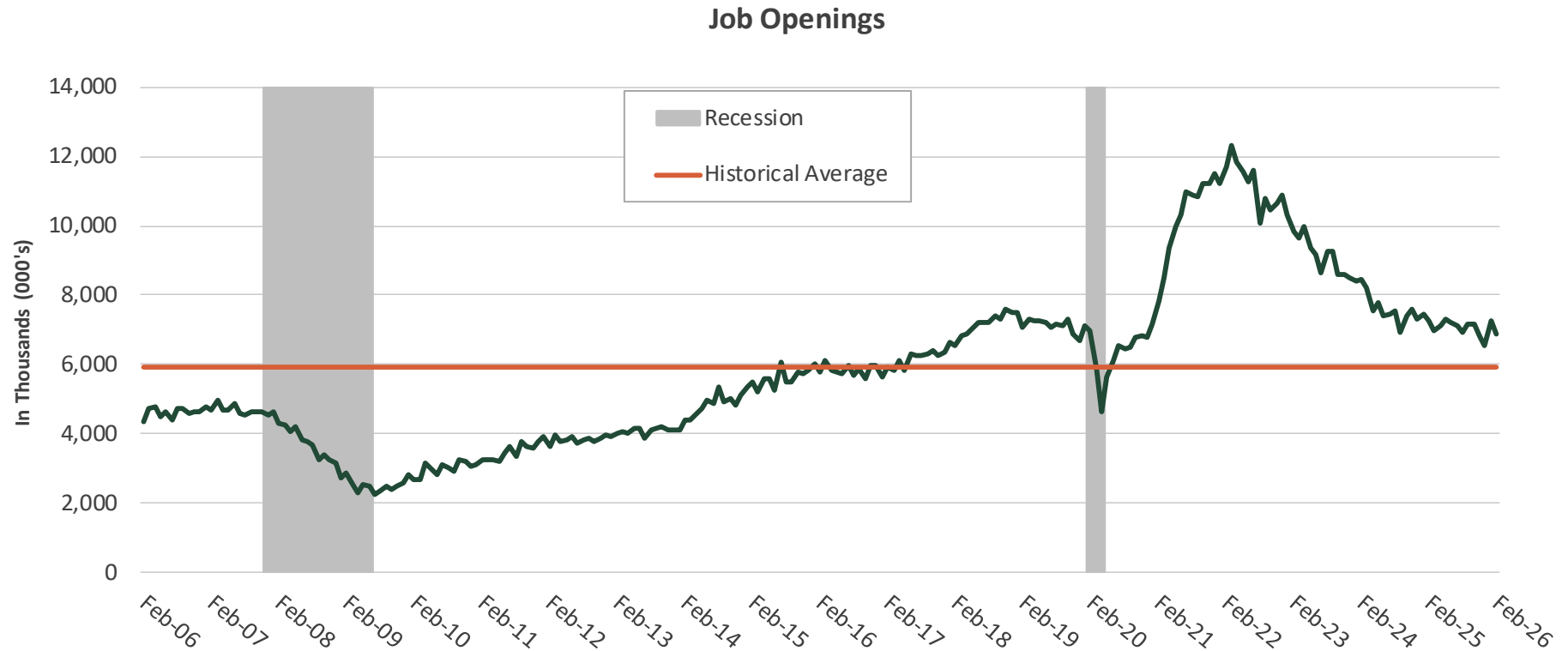
Source: US Department of Labor

Unemployment Rate



Source: US Department of Labor

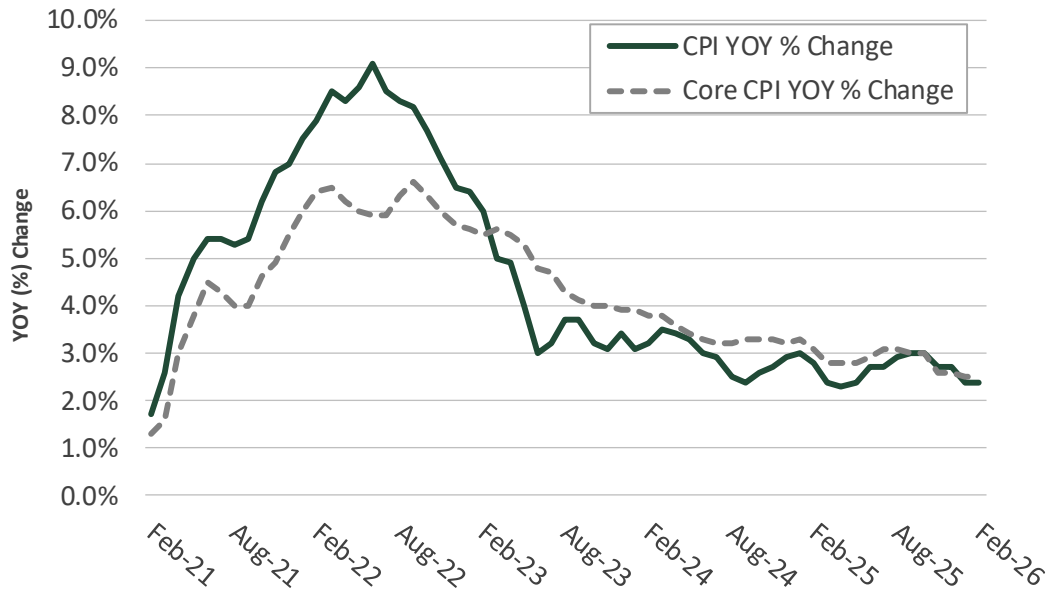
March nonfarm payrolls rose by 178,000, a decisive reversal from February's revised 133,000 decline that had been distorted by a Kaiser Permanente strike affecting over 30,000 healthcare workers and severe winter weather. Healthcare contributed 76,000 positions as striking nurses returned, while construction and leisure rebounded from weather-induced troughs. The unemployment rate edged lower to 4.3%, though partly from a labor force reduction rather than a hiring acceleration. Meanwhile, the underemployment rate edged up to 8.0% from 7.9% in February. Average hourly earnings rose 0.2% over the month and 3.5% year over year—the slowest annual pace since May 2021.



Source: US Department of Labor

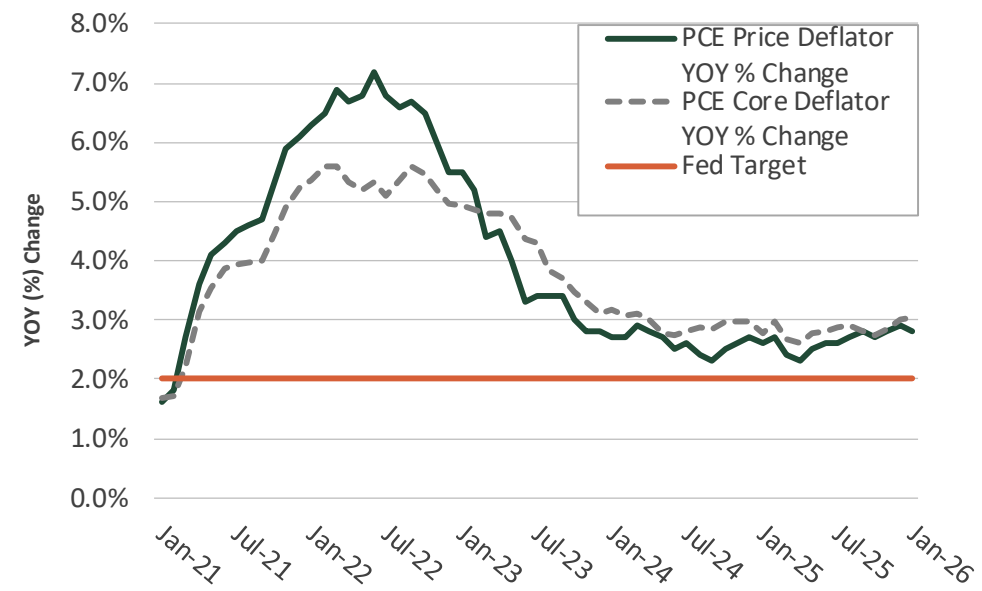
Job openings fell to 6.9 million in February from a revised 7.2 million in January, according to the Bureau of Labor Statistics' Job Openings and Labor Turnover Survey. The ratio of openings to unemployed workers slipped to 0.9, reinforcing the gradual rebalancing of demand and supply. Hires decreased to 4.8 million, the lowest since April 2020, suggesting employers have grown selective about adding headcount. Quits were little changed at 3 million. The data reflects a labor market consistent with the Federal Reserve's characterization of a no-hire, no-fire environment.

Consumer Price Index (CPI)



Source: US Department of Labor

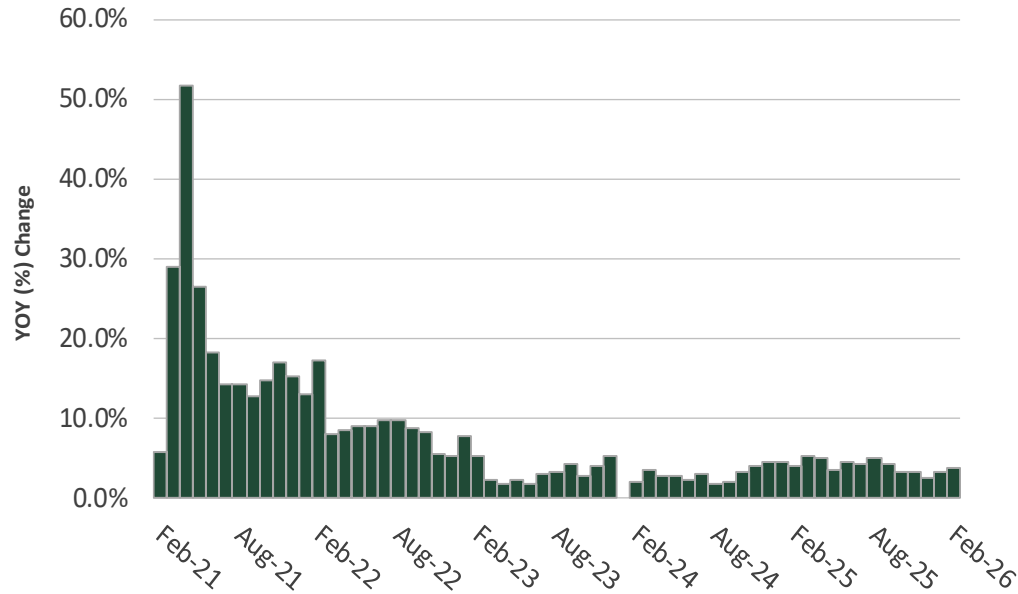
Personal Consumption Expenditures (PCE)



Source: US Department of Commerce

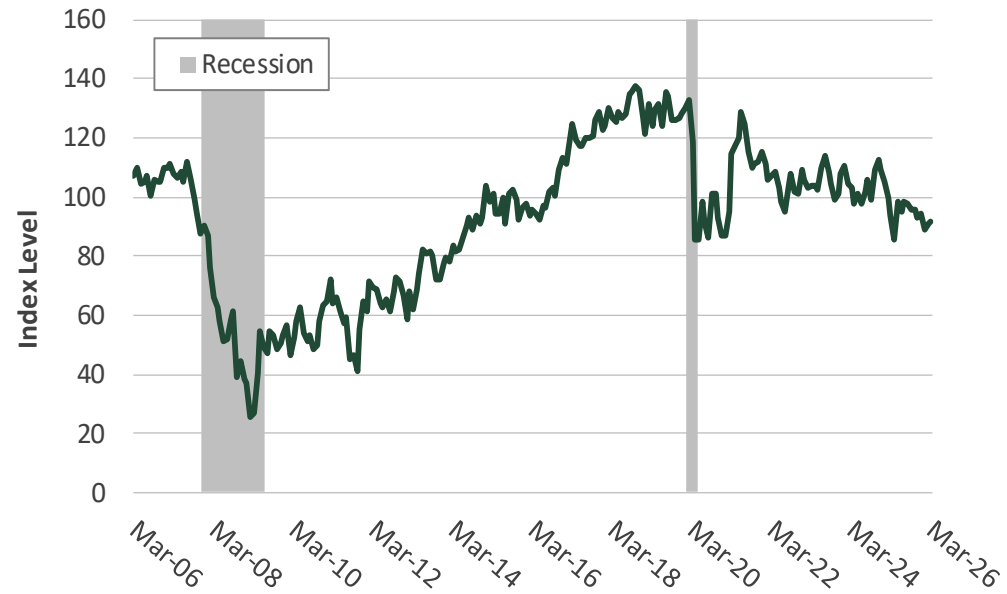
Inflation firmed slightly in February on a headline basis, with the Consumer Price Index (CPI) rising 0.3% for the month, following a 0.2% increase in January. On an annual basis, headline CPI rose 2.4%, unchanged from January. Core CPI, which excludes volatile food and energy prices, increased 0.2% in February, down from January's 0.3% pace, while the annual rate held steady at 2.5%. The Personal Consumption Expenditures (PCE) Index rose 0.3% in January, easing from a 0.4% gain in December. On a year-over-year basis, headline PCE also edged down to 2.8% from 2.9% the prior month. Core PCE held steady at 0.4% on the month but ticked up to 3.1% annually from 3.0% in December, driven largely by higher healthcare services costs.

Retail Sales YOY % Change



Source: US Department of Commerce

Consumer Confidence

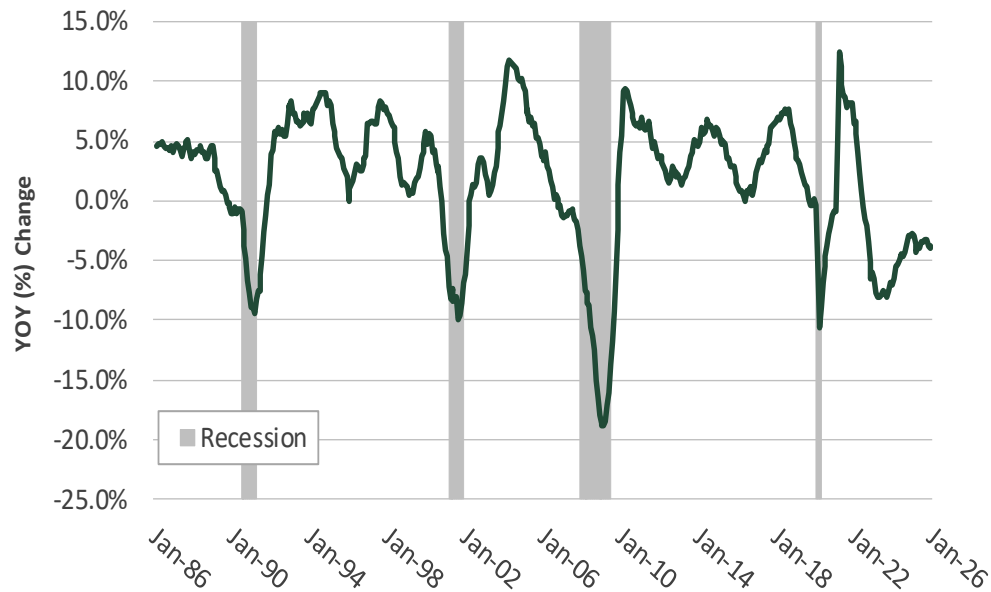


Source: The Conference Board

All time high is 144.70 (1/31/00); All time low is 25.30 (2/28/09)

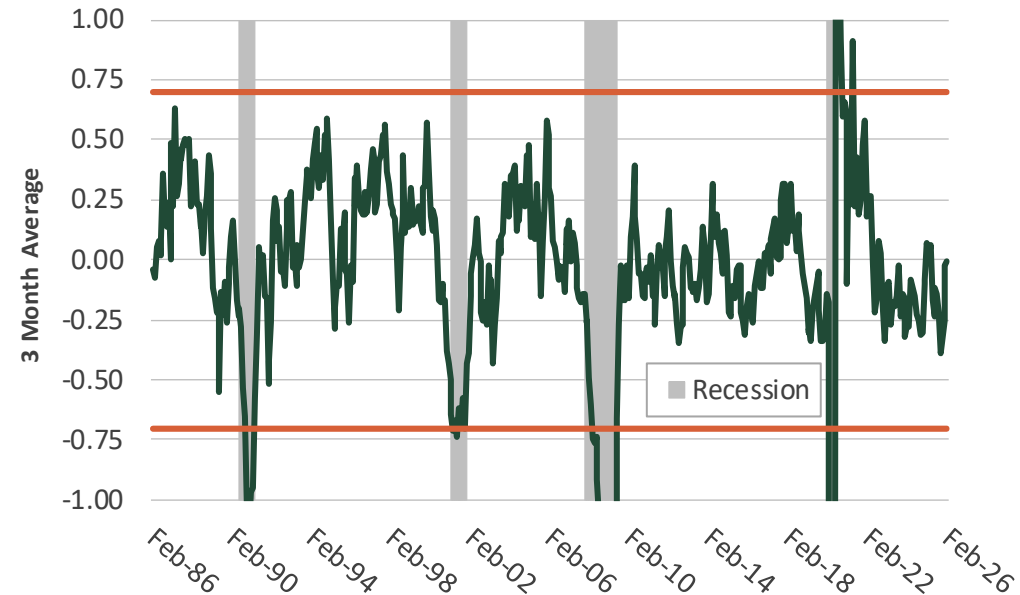
The Conference Board's Consumer Confidence Index edged up to 91.8 in March from 91.0 in February, a second consecutive gain that nonetheless sits well below the all-time peak of 144.7 from early 2000. The Present Situation component rose 4.6 points to 123.3 on favorable assessments of business and labor conditions, while the Expectations Index slipped 1.7 points to 70.9. Inflation expectations climbed to their highest since August 2025, reflecting tariff passthrough and elevated gasoline prices. February retail sales rebounded 0.6% from January, with stronger auto and broad-based discretionary spending offsetting January's weather- and vehicle-related weakness; the control group also advanced 0.5%, signaling firmer underlying consumer demand.

Leading Economic Indicators (LEI)



Source: The Conference Board

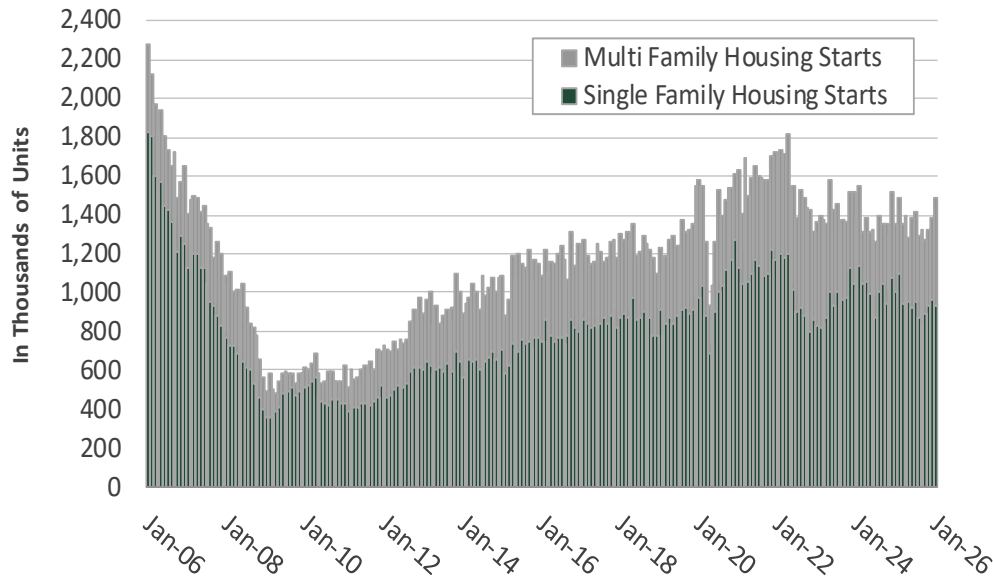
Chicago Fed National Activity Index (CFNAI)



Source: Federal Reserve Bank of Chicago

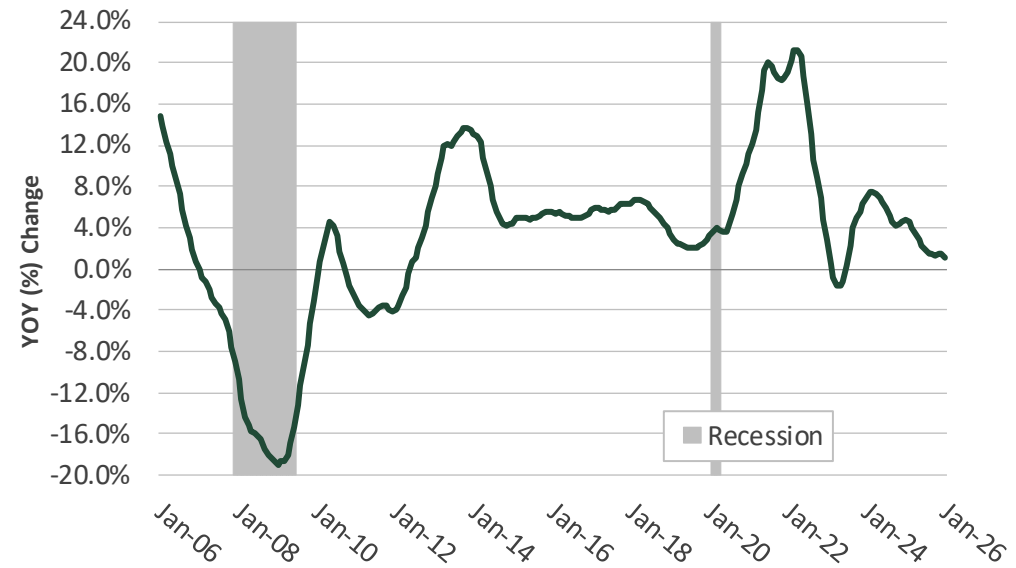
The Chicago Fed National Activity Index (CFNAI) fell to -0.11 in February, following a positive revision to 0.20 in January. The index's three-month moving average edged up to -0.01 from -0.02 the prior month. Production and employment related indicators turned negative in February, while sales, orders, and inventories also remained in negative territory. The personal consumption and housing categories slipped modestly but stayed in positive territory. The Conference Board's Leading Economic Index (LEI) declined 0.1% in January, an improvement from -0.2% in December, with consumer expectations and building permits the largest drags on the index. On a year-over-year basis, the LEI fell 3.8%, continuing to signal slower economic growth heading into 2026. Notably, the latest LEI data do not yet reflect the impact of the war in Iran.

Annualized Housing Starts



Source: US Department of Commerce

S&amp;P/Case-Shiller 20 City Composite Home Price Index

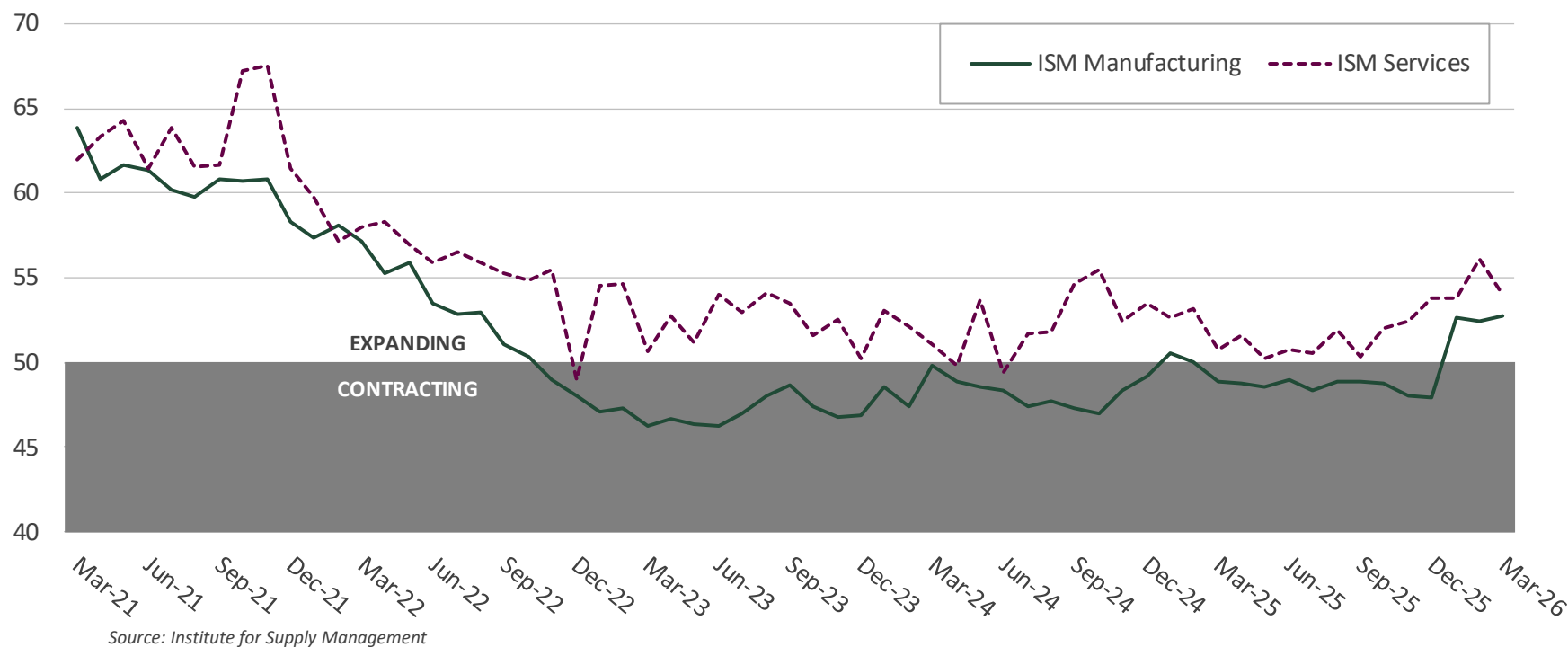


Source: S&amp;P

Housing starts rose 7.2% in January to an annualized pace of 1.487 million units, including 935,000 single-family and 552,000 multifamily starts. The January S&P Cotality Case-Shiller 20-City Composite posted a 1.18% year-over-year gain, continuing deceleration from December's revised 1.43% annual increase. Inflation again outpaced home price appreciation, extending the erosion of real housing returns that began in the second half of 2025. The Freddie Mac 30-year fixed mortgage rate climbed to 6.46% as of April 2, its fifth consecutive weekly rise, reversing progress made when rates dipped below 6% in February. Higher borrowing costs and elevated prices continue to constrain affordability.



Institute of Supply Management (ISM) Surveys



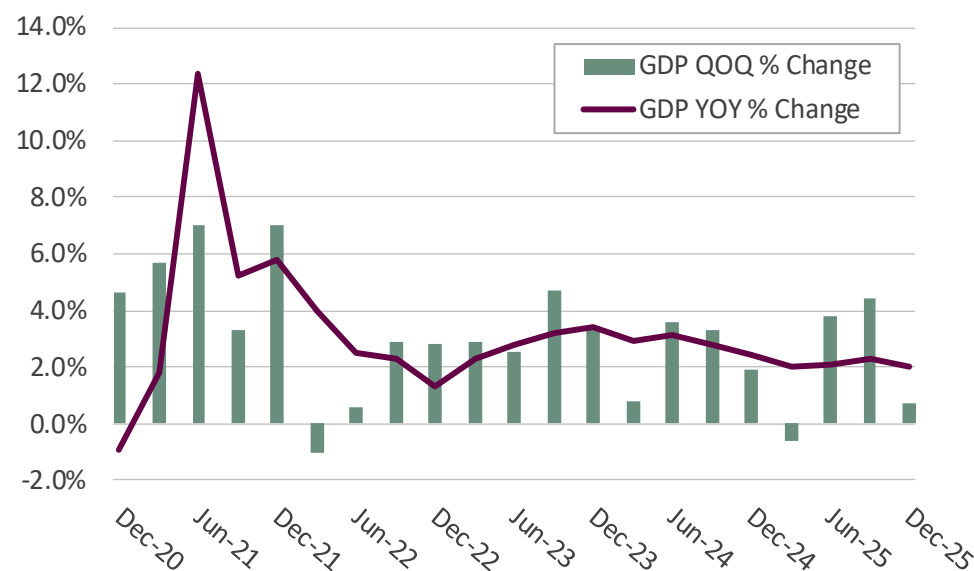
The Institute for Supply Management’s Manufacturing Index rose to 52.7 in March from 52.4, the fastest factory expansion since August 2022 and a third consecutive month above 50. Production accelerated to 55.1 from 53.5, though new orders decelerated to 53.5 from 55.8. The prices subindex leaped to 78.3 from 70.5, reflecting elevated energy costs, metals tariffs, and Iran-related supply disruptions. Employment remained in contraction at 48.7. The Services Index eased to 54.0 in March from 56.1 in February but still posted its 21st consecutive month of expansion. With both measures above the 50 threshold, ISM data point toward a resilient if cost-pressured economy.

## GROSS DOMESTIC PRODUCT (GDP)

| Components of GDP                                  | 3/25         | 6/25        | 9/25        | 12/25       |
|----------------------------------------------------|--------------|-------------|-------------|-------------|
| Personal Consumption Expenditures                  | 0.4%         | 1.7%        | 2.3%        | 1.3%        |
| Gross Private Domestic Investment                  | 3.8%         | -2.7%       | 0.0%        | 0.6%        |
| Net Exports and Imports                            | -4.7%        | 4.8%        | 1.6%        | -0.2%       |
| Federal Government Expenditures                    | -0.4%        | -0.4%       | 0.2%        | -1.2%       |
| State and Local (Consumption and Gross Investment) | 0.2%         | 0.3%        | 0.2%        | 0.1%        |
| <b>Total</b>                                       | <b>-0.6%</b> | <b>3.8%</b> | <b>4.4%</b> | <b>0.7%</b> |

Source: US Department of Commerce

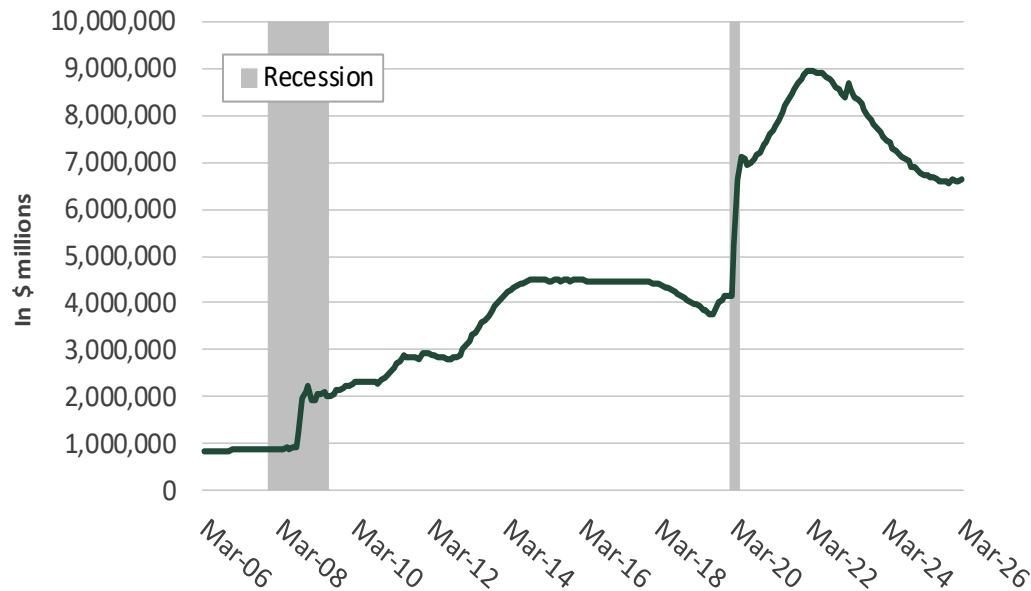
## Gross Domestic Product (GDP)



Source: US Department of Commerce

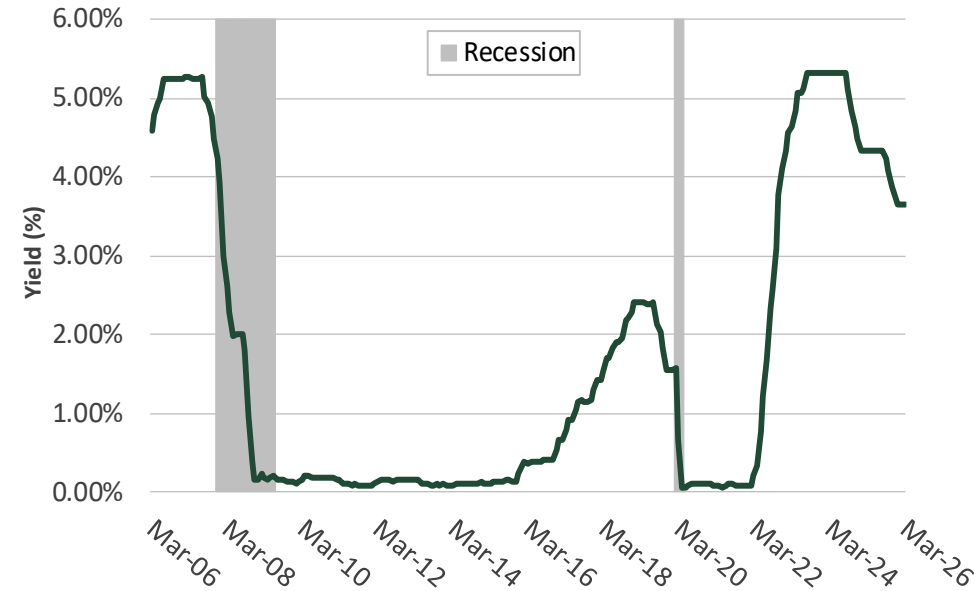
The second estimate of real gross domestic product (GDP) showed fourth-quarter growth revised down to 0.7% from the initial 1.4% estimate. The slowdown from 4.4% in the third quarter primarily reflected a sharp pullback in government spending, as the federal government shutdown weighed on activity. Personal Consumption Expenditures also declined across both goods and services.

Federal Reserve Balance Sheet Assets



Source: Federal Reserve

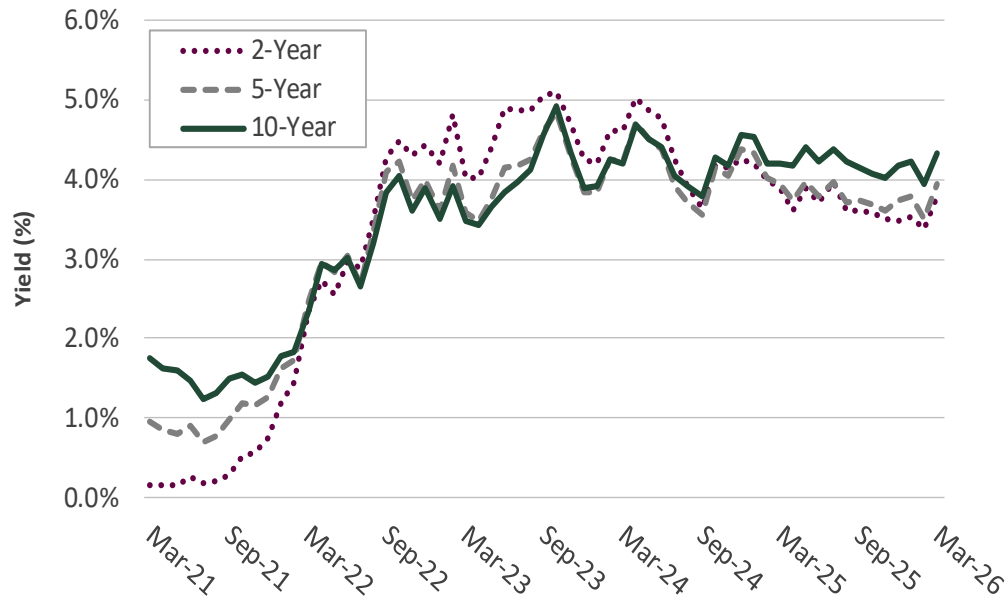
Effective Federal Funds Rate



Source: Bloomberg

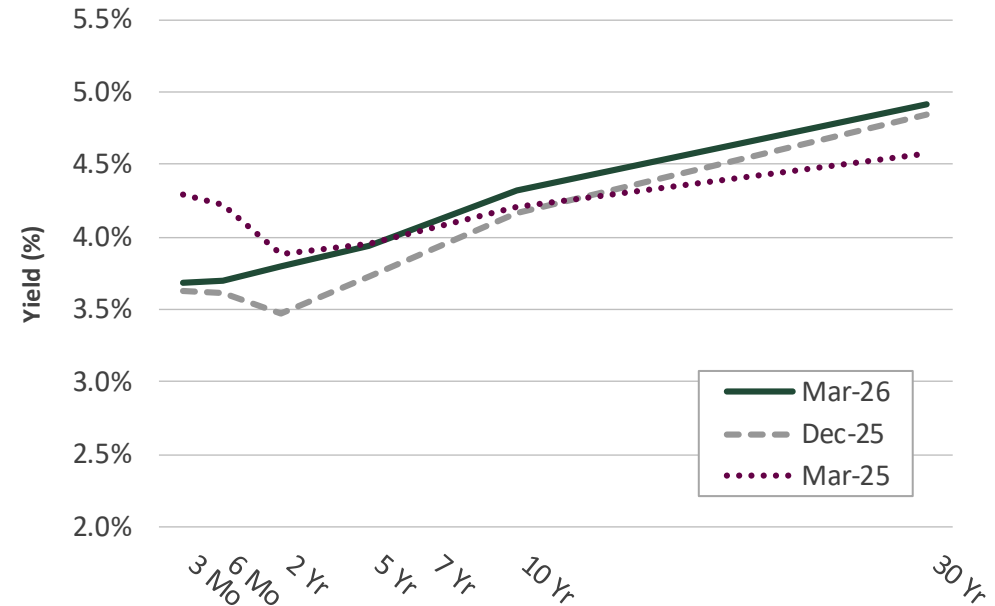
The Federal Reserve left its benchmark interest rate unchanged in March, keeping the target range at 3.50% to 3.75% following three late-2025 rate cuts that were justified by signs of softening in the labor market. However, policymakers have grown wary of potential inflationary pressures stemming from tariffs, the war in Iran, and the ensuing spike in commodity prices. The Federal Reserve now projects just one rate cut in 2026, even as inflation expectations rise. The Committee also reaffirmed its December decision to halt balance sheet runoff and to reinvest principal and interest payments from its securities holdings, signaling a continued emphasis on maintaining ample reserves and supporting orderly market functioning.

US Treasury Note Yields



Source: Bloomberg

US Treasury Yield Curve



Source: Bloomberg

At March month-end, the 2-year Treasury yield stood at 3.79%, down approximately 9 basis points from one year ago, while the 10-year finished at 4.32%, roughly 11 basis points higher year-over-year. The spread between the two narrowed to 52 basis points, wider by 20 basis points year-over-year. The prior 2-year to 10-year inversion from July 2022 through August 2024 was historically long. The average spread since 2005 is approximately 95 basis points, suggesting the current slope sits well below its long-run norm. The 3-month to 10-year spread stood near 64 basis points at March month-end.

## ACCOUNT PROFILE

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### Investment Objectives

The investment objectives for the City of Vallejo, in order of priority, are to provide safety to ensure the preservation of capital in the overall portfolio, provide sufficient liquidity for cash needs, and a market rate of return consistent with the investment program.

### Chandler Asset Management Performance Objective

The performance objective for the portfolio is to earn a total rate of return through a market cycle that is equal to or above the return on the benchmark index.

### Strategy

In order to achieve this objective, the portfolio invests in high-quality fixed income securities that comply with the investment policy and all regulations governing the funds.

## STATEMENT OF COMPLIANCE

City of Vallejo | Account #260 | As of March 31, 2026

| Rules Name                                                 | Limit | Actual | Compliance Status | Notes |
|------------------------------------------------------------|-------|--------|-------------------|-------|
| <b>AGENCY MORTGAGE SECURITIES</b>                          |       |        |                   |       |
| Max % (MV)                                                 | 50.0  | 8.4    | Compliant         |       |
| Max % Issuer (MV)                                          | 30.0  | 8.4    | Compliant         |       |
| Max Maturity (Years)                                       | 5.0   | 4.8    | Compliant         |       |
| <b>ASSET-BACKED SECURITIES (ABS)</b>                       |       |        |                   |       |
| Max % (MV)                                                 | 20.0  | 3.2    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.5    | Compliant         |       |
| Max Maturity (Years)                                       | 5     | 4      | Compliant         |       |
| Min Rating (AA- by 1)                                      | 0.0   | 0.0    | Compliant         |       |
| <b>BANKERS' ACCEPTANCES</b>                                |       |        |                   |       |
| Max % (MV)                                                 | 40.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Days)                                        | 180   | 0.0    | Compliant         |       |
| Min Rating (A-1 by 1 or A- by 1)                           | 0.0   | 0.0    | Compliant         |       |
| <b>COLLATERALIZED TIME DEPOSITS (NON-NEGOTIABLE CD/TD)</b> |       |        |                   |       |
| Max % (MV)                                                 | 20.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                                       | 5.0   | 0.0    | Compliant         |       |
| <b>COMMERCIAL PAPER</b>                                    |       |        |                   |       |
| Max % (MV)                                                 | 40.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Days)                                        | 270   | 0.0    | Compliant         |       |
| Min Rating (A-1 by 1 or A- by 1)                           | 0.0   | 0.0    | Compliant         |       |
| <b>CORPORATE MEDIUM TERM NOTES</b>                         |       |        |                   |       |
| Max % (MV)                                                 | 30.0  | 26.2   | Compliant         |       |
| Max % Issuer (MV)                                          | 5.0   | 1.3    | Compliant         |       |
| Max Maturity (Years)                                       | 5     | 4      | Compliant         |       |
| Min Rating (A- by 1)                                       | 0.0   | 0.0    | Compliant         |       |

## STATEMENT OF COMPLIANCE

City of Vallejo | Account #260 | As of March 31, 2026

| Rules Name                                               | Limit | Actual | Compliance Status | Notes |
|----------------------------------------------------------|-------|--------|-------------------|-------|
| <b>FDIC INSURED TIME DEPOSITS (NON-NEGOTIABLE CD/TD)</b> |       |        |                   |       |
| Max % (MV)                                               | 20.0  | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5     | 0.0    | Compliant         |       |
| <b>FEDERAL AGENCIES</b>                                  |       |        |                   |       |
| Max % (MV)                                               | 50.0  | 2.2    | Compliant         |       |
| Max % Issuer (MV)                                        | 30.0  | 1.6    | Compliant         |       |
| Max Callables (MV)                                       | 20.0  | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5     | 2      | Compliant         |       |
| <b>LOCAL AGENCY INVESTMENT FUND (LAIF)</b>               |       |        |                   |       |
| Max Concentration (MV)                                   | 75.0  | 0.0    | Compliant         |       |
| <b>LOCAL GOVERNMENT INVESTMENT POOL (LGIP)</b>           |       |        |                   |       |
| Max % (MV)                                               | 100.0 | 0.0    | Compliant         |       |
| <b>MONEY MARKET MUTUAL FUNDS</b>                         |       |        |                   |       |
| Max % (MV)                                               | 20.0  | 1.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 1.0    | Compliant         |       |
| Min Rating (AAA by 2)                                    | 0.0   | 0.0    | Compliant         |       |
| <b>MORTGAGE-BACKED SECURITIES (NON-AGENCY)</b>           |       |        |                   |       |
| Max % (MV)                                               | 20.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5.0   | 0.0    | Compliant         |       |
| Min Rating (AA- by 1)                                    | 0.0   | 0.0    | Compliant         |       |
| <b>MUNICIPAL SECURITIES (CA, LOCAL AGENCY)</b>           |       |        |                   |       |
| Max % (MV)                                               | 10.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                                     | 5     | 0.0    | Compliant         |       |
| Min Rating (A- by 1)                                     | 0.0   | 0.0    | Compliant         |       |
| <b>MUNICIPAL SECURITIES (CA, OTHER STATES)</b>           |       |        |                   |       |
| Max % (MV)                                               | 10.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                        | 5.0   | 0.0    | Compliant         |       |



## STATEMENT OF COMPLIANCE

City of Vallejo | Account #260 | As of March 31, 2026

| Rules Name                                       | Limit | Actual | Compliance Status | Notes |
|--------------------------------------------------|-------|--------|-------------------|-------|
| Max Maturity (Years)                             | 5     | 0.0    | Compliant         |       |
| Min Rating (A- by 1)                             | 0.0   | 0.0    | Compliant         |       |
| <b>MUTUAL FUNDS</b>                              |       |        |                   |       |
| Max % (MV)                                       | 10.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                | 5.0   | 0.0    | Compliant         |       |
| Min Rating (AAA by 2)                            | 0.0   | 0.0    | Compliant         |       |
| <b>NEGOTIABLE CERTIFICATES OF DEPOSIT (NCD)</b>  |       |        |                   |       |
| Max % (MV)                                       | 30.0  | 0.0    | Compliant         |       |
| Max % Issuer (MV)                                | 5.0   | 0.0    | Compliant         |       |
| Max Maturity (Years)                             | 5     | 0.0    | Compliant         |       |
| Min Rating (A-1 by 1 or A- by 1 if > FDIC Limit) | 0.0   | 0.0    | Compliant         |       |
| <b>REPURCHASE AGREEMENTS</b>                     |       |        |                   |       |
| Max % (MV)                                       | 20.0  | 0.0    | Compliant         |       |
| Max Maturity (Years)                             | 1.0   | 0.0    | Compliant         |       |
| <b>SRI PROHIBITED INVESTMENTS</b>                |       |        |                   |       |
| Prohibited Investment - Fossil Fuels             | 0.0   | 0.0    | Compliant         |       |
| Prohibited Investments - Alcohol                 | 0.0   | 0.0    | Compliant         |       |
| Prohibited Investments - Firearms                | 0.0   | 0.0    | Compliant         |       |
| Prohibited Investments - Tobacco                 | 0.0   | 0.0    | Compliant         |       |
| <b>SUPRANATIONAL OBLIGATIONS</b>                 |       |        |                   |       |
| Max % (MV)                                       | 30.0  | 3.1    | Compliant         |       |
| Max % Issuer (MV)                                | 10.0  | 2.1    | Compliant         |       |
| Max Maturity (Years)                             | 5     | 4      | Compliant         |       |
| Min Rating (AA- by 1)                            | 0.0   | 0.0    | Compliant         |       |
| <b>U.S. TREASURIES</b>                           |       |        |                   |       |
| Max % (MV)                                       | 100.0 | 56.0   | Compliant         |       |
| Max Maturity (Years)                             | 5     | 4      | Compliant         |       |

PORTFOLIO CHARACTERISTICS



City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

|                           | 3/31/2026<br>Portfolio | 12/31/2025<br>Portfolio |
|---------------------------|------------------------|-------------------------|
| Average Maturity (yrs)    | 1.84                   | 1.65                    |
| Average Modified Duration | 1.62                   | 1.45                    |
| Average Purchase Yield    | 3.84%                  | 3.94%                   |
| Average Market Yield      | 3.90%                  | 3.78%                   |
| Average Quality**         | AA                     | AA                      |
| Total Market Value        | 296,423,659            | 291,970,328             |

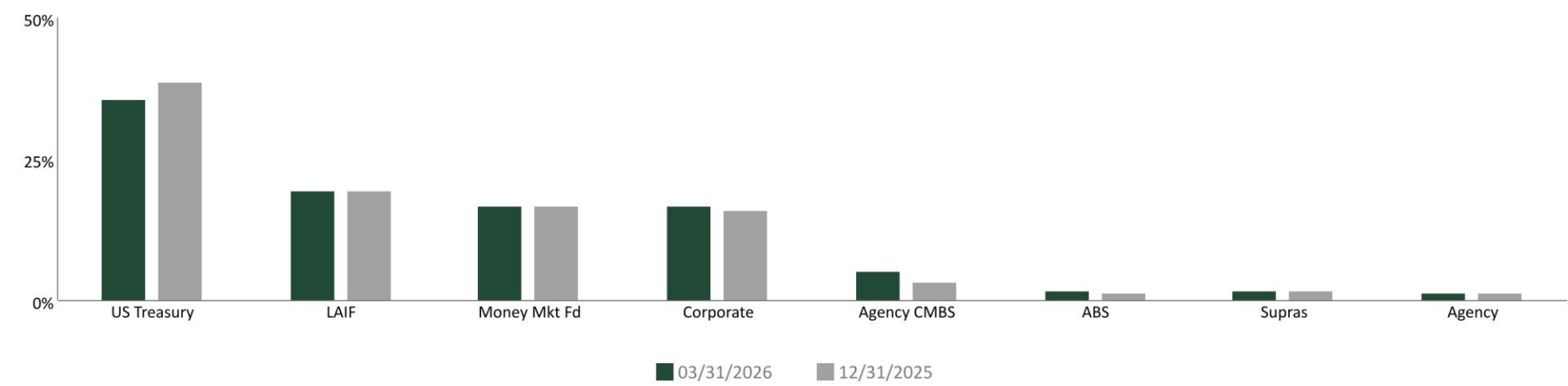
\*Benchmark: NO BENCHMARK REQUIRED

\*\*The credit quality is a weighted average calculation of the highest of S&P, Moody's and Fitch.

# SECTOR DISTRIBUTION



City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026



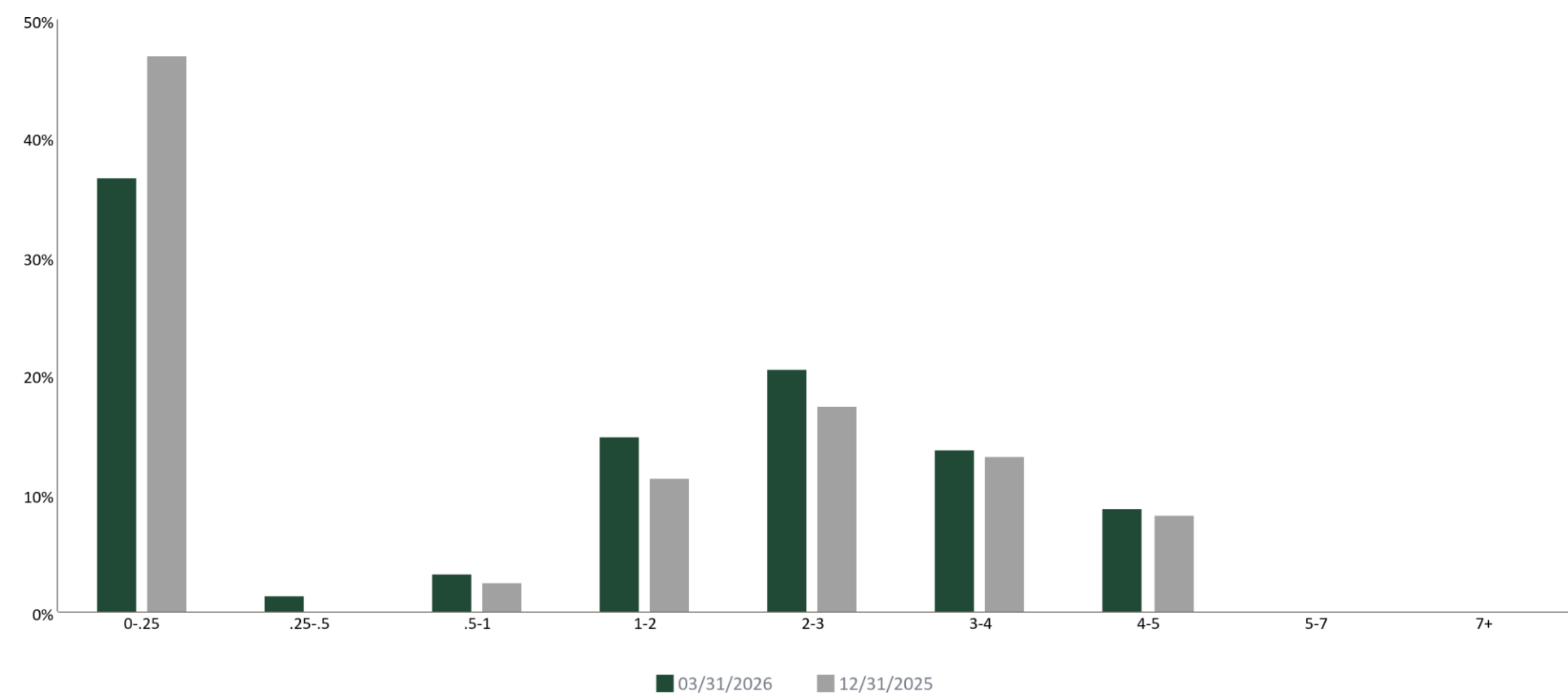
## Sector as a Percentage of Market Value

| Sector       | 03/31/2026 | 12/31/2025 |
|--------------|------------|------------|
| US Treasury  | 35.80%     | 38.76%     |
| LAIF         | 19.63%     | 19.75%     |
| Money Mkt Fd | 17.09%     | 16.79%     |
| Corporate    | 16.77%     | 16.07%     |
| Agency CMBS  | 5.35%      | 3.49%      |
| ABS          | 2.03%      | 1.73%      |
| Supras       | 1.96%      | 2.00%      |
| Agency       | 1.38%      | 1.41%      |

DURATION DISTRIBUTION



City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

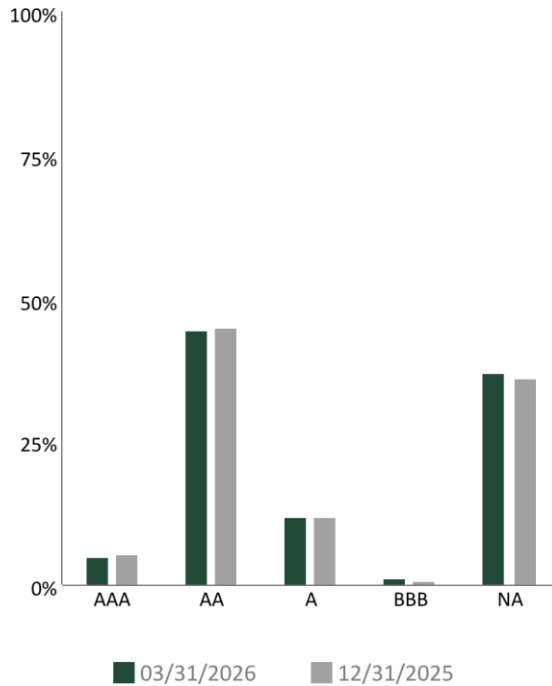


| Date       | 0-.25 | .25-.5 | .5-1 | 1-2   | 2-3   | 3-4   | 4-5  | 5-7  | 7+   |
|------------|-------|--------|------|-------|-------|-------|------|------|------|
| 03/31/2026 | 36.8% | 1.5%   | 3.4% | 15.0% | 20.7% | 13.8% | 8.8% | 0.0% | 0.0% |
| 12/31/2025 | 47.0% | 0.2%   | 2.5% | 11.4% | 17.4% | 13.2% | 8.3% | 0.0% | 0.0% |

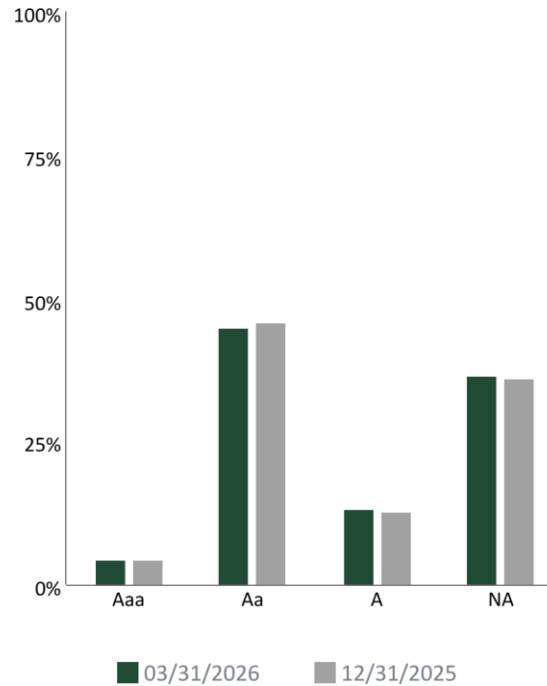
## QUALITY DISTRIBUTION

City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

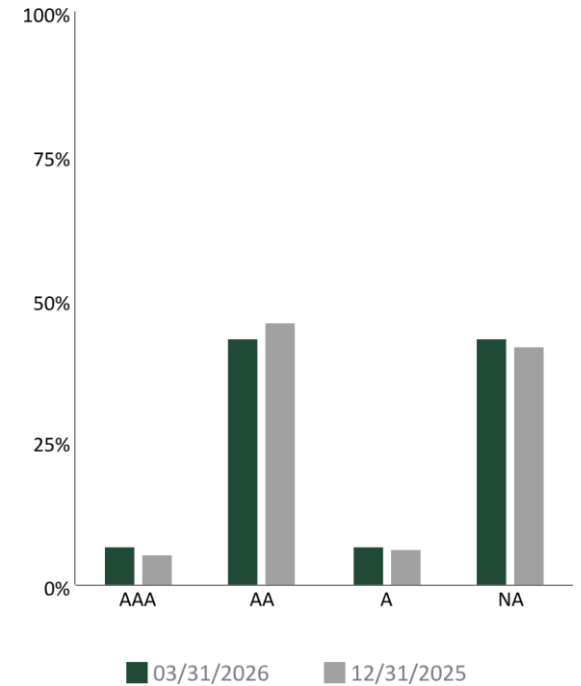
### S&P Rating



### Moody's Rating



### Fitch Rating



| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| AAA    | 5.05%      | 5.80%      |
| AA     | 44.46%     | 44.99%     |
| A      | 11.91%     | 12.21%     |
| BBB    | 1.18%      | 0.77%      |
| NA     | 37.41%     | 36.23%     |

| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| Aaa    | 4.47%      | 4.83%      |
| Aa     | 45.29%     | 45.84%     |
| A      | 13.34%     | 13.24%     |
| NA     | 36.90%     | 36.10%     |

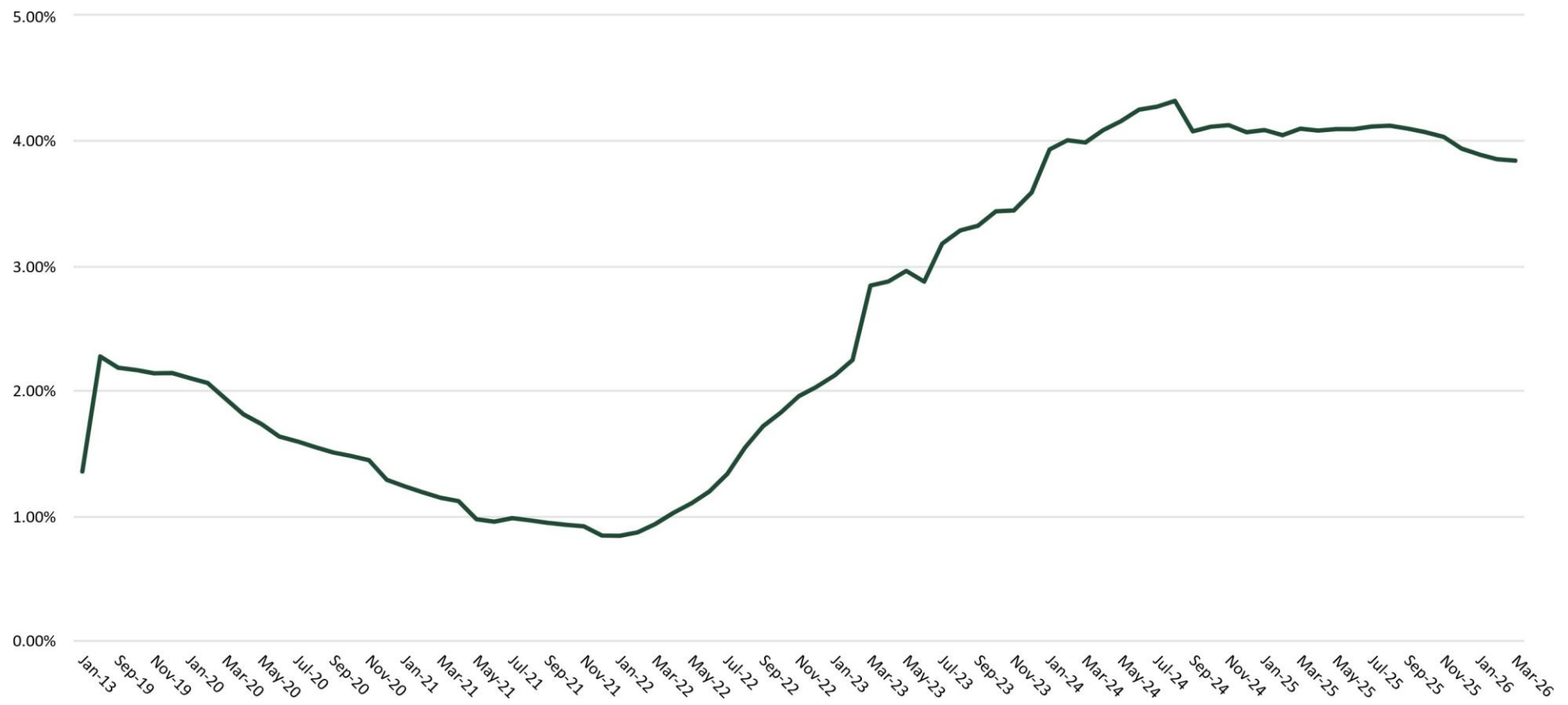
| Rating | 03/31/2026 | 12/31/2025 |
|--------|------------|------------|
| AAA    | 7.00%      | 5.43%      |
| AA     | 43.05%     | 46.22%     |
| A      | 6.91%      | 6.63%      |
| NA     | 43.04%     | 41.71%     |

HISTORICAL AVERAGE PURCHASE YIELD



City of Vallejo Cons Portfolio | Account #262 | As of March 31, 2026

Purchase Yield as of 03/31/26 = 3.84%



## IMPORTANT DISCLOSURES



2025 Chandler Asset Management, Inc, An Independent Registered Investment Adviser.

Information contained herein is confidential. Prices are provided by ICE Data Services Inc (“IDS”), an independent pricing source. In the event IDS does not provide a price or if the price provided is not reflective of fair market value, Chandler will obtain pricing from an alternative approved third party pricing source in accordance with our written valuation policy and procedures. Our valuation procedures are also disclosed in Item 5 of our Form ADV Part 2A.

Performance results are presented gross-of-advisory fees and represent the client’s Total Return. The deduction of advisory fees lowers performance results. These results include the reinvestment of dividends and other earnings. Past performance may not be indicative of future results. Therefore, clients should not assume that future performance of any specific investment or investment strategy will be profitable or equal to past performance levels. All investment strategies have the potential for profit or loss. Economic factors, market conditions or changes in investment strategies, contributions or withdrawals may materially alter the performance and results of your portfolio.

Index returns assume reinvestment of all distributions. Historical performance results for investment indexes generally do not reflect the deduction of transaction and/or custodial charges or the deduction of an investment management fee, the incurrence of which would have the effect of decreasing historical performance results. It is not possible to invest directly in an index.

Source ICE Data Indices, LLC (“ICE”), used with permission. ICE permits use of the ICE indices and related data on an “as is” basis; ICE, its affiliates and their respective third party suppliers disclaim any and all warranties and representations, express and/or implied, including any warranties of merchantability or fitness for a particular purpose or use, including the indices, index data and any data included in, related to, or derived therefrom. Neither ICE data, its affiliates or their respective third party providers guarantee the quality, adequacy, accuracy, timeliness or completeness of the indices or the index data or any component thereof, and the indices and index data and all components thereof are provided on an “as is” basis and licensee’s use it at licensee’s own risk. ICE data, its affiliates and their respective third party do not sponsor, endorse, or recommend chandler asset management, or any of its products or services.

This report is provided for informational purposes only and should not be construed as a specific investment or legal advice. The information contained herein was obtained from sources believed to be reliable as of the date of publication, but may become outdated or superseded at any time without notice. Any opinions or views expressed are based on current market conditions and are subject to change. This report may contain forecasts and forward-looking statements which are inherently limited and should not be relied upon as indicator of future results. Past performance is not indicative of future results. This report is not intended to constitute an offer, solicitation, recommendation or advice regarding any securities or investment strategy and should not be regarded by recipients as a substitute for the exercise of their own judgment.

Fixed income investments are subject to interest, credit and market risk. Interest rate risk: the value of fixed income investments will decline as interest rates rise. Credit risk: the possibility that the borrower may not be able to repay interest and principal. Low rated bonds generally have to pay higher interest rates to attract investors willing to take on greater risk. Market risk: the bond market in general could decline due to economic conditions, especially during periods of rising interest rates.

Ratings information have been provided by Moody’s, S&P and Fitch through data feeds we believe to be reliable as of the date of this statement, however we cannot guarantee its accuracy.

Security level ratings for U.S. Agency issued mortgage-backed securities (“MBS”) reflect the issuer rating because the securities themselves are not rated. The issuing U.S. Agency guarantees the full and timely payment of both principal and interest.

| Benchmark                                                 | Disclosure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ICE BofA 1-5 Yr Unsubordinated US Treasury & Agency Index | The ICE BofA 1-5 Year Unsubordinated US Treasury & Agency Index tracks the performance of US dollar denominated US Treasury and nonsubordinated US agency debt issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch). Qualifying securities must have at least one year remaining term to final maturity and less than five years remaining term to final maturity, at least 18 months to maturity at time of issuance, a fixed coupon schedule, and a minimum amount outstanding of \$1 billion for sovereigns and \$250 million for agencies. |





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Jason Ta, Chief of Police  
**SUBJECT:** **ADOPT A RESOLUTION AMENDING THE FUND 149 FISCAL YEAR 2025–2026 BUDGET TO RECOGNIZE \$1,995,873 OF CALVIP COHORT 5 GRANT REVENUE FROM THE BOARD OF STATE AND COMMUNITY CORRECTIONS AND TO APPROPRIATE CORRESPONDING EXPENDITURES (STEP 2 OF 2)**

---

**RECOMMENDATION**

As the second in a two-step process, adopt a Resolution amending the Fund 149 Fiscal Year 2025-2026 budget to recognize \$1,995,873 of CalVIP Cohort 5 Grant (“CalVIP Grant”) revenue from the Board of State and Community Corrections (“BSCC”) and to appropriate corresponding expenditures.

**REASONS FOR RECOMMENDATION**

On April 28, 2026, City Council accepted the CalVIP Grant and, pursuant to City Charter section 703, provided notice of its intent to amend the Fund 149 Fiscal Year 2025-2026 budget to reflect revenue and corresponding expenditures of \$1,995,873 relating to the CalVIP Grant. City staff respectfully requests the contemplated budget amendment be approved.

**BACKGROUND AND DISCUSSION**

The City of Vallejo Police Department applied for, and was awarded, the CalVIP Grant to fund a portion of Vallejo VISION (Violence Intervention Support Improving Our Neighborhoods), and to provide modest officer wellness services, through June 30, 2029. These separate – but interrelated – programs are aimed at reducing violence in the community while also helping to alleviate demands on VPD’s sworn staff and support more positive interactions. CalVIP Grant funding is essential for VPD to successfully implement these programs.

**FISCAL IMPACT**

Upon approval, the City of Vallejo’s Fund 149 Fiscal Year 2025-2026 budget will be amended to reflect a \$1,995,873 increase in revenue and corresponding expenditures for use by the Police Department.

A local match is not required.

**ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

**ATTACHMENTS**

|    |                                                 |
|----|-------------------------------------------------|
| 1. | Resolution - Step 2 - CalVIP Cohort 5 CAO Stamp |
|----|-------------------------------------------------|

**CONTACT**

**Date:** May 12, 2026

**Subject: ADOPT A RESOLUTION AMENDING THE FUND 149 FISCAL YEAR 2025–2026 BUDGET  
TO RECOGNIZE \$1,995,873 OF CALVIP COHORT 5 GRANT REVENUE FROM THE  
BOARD OF STATE AND COMMUNITY CORRECTIONS AND TO APPROPRIATE  
CORRESPONDING EXPENDITURES (STEP 2 OF 2)**

**Page 2**

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Jason Ta, Chief of Police  
[jason.ta@cityofvallejo.net](mailto:jason.ta@cityofvallejo.net)

Approved as to form:

By:  for  
Veronica Nebb, City Attorney

**RESOLUTION NO. 26-\_\_\_\_ N.C.**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO  
AMENDING THE FUND 149 FISCAL YEAR 2025–2026 BUDGET  
TO RECOGNIZE \$1,995,873 OF CALVIP COHORT 5 GRANT REVENUE  
FROM THE BOARD OF STATE AND COMMUNITY CORRECTIONS AND  
TO APPROPRIATE CORRESPONDING EXPENDITURES (STEP 2)**

**WHEREAS**, the City of Vallejo Police Department applied for, and was awarded, a \$1,996,873 CalVIP Cohort 5 Grant (“CalVIP Grant”) from the Board of State and Community Corrections to fund a portion of Vallejo VISION (Violence Intervention Support Improving Our Neighborhoods), and to provide modest officer wellness services, through June 30, 2029; and

**WHEREAS**, City Charter Section 703 provides that available funds not included in the City’s adopted budget may be appropriated by the City Council after giving one week’s notice of intention to do so; and

**WHEREAS**, on April 28, 2026, in accordance with City Charter Section 703, City Council gave notice of its intent to amend the City’s Fund 149 Fiscal Year 2025-2026 budget to reflect revenue and corresponding expenditures of \$1,995,873 relating to the CalVIP Grant.

**NOW, THEREFORE, BE IT RESOLVED** that, pursuant to City Charter Section 703, the City Council of the City of Vallejo hereby amends the Fund 149 Fiscal Year 2025-2026 budget to reflect revenue and corresponding expenditures of \$1,995,873 relating to the CalVIP Grant.

**NOW, THEREFORE, BE IT FURTHER RESOLVED** that CalVIP Grant funds received hereunder shall not be used to supplant expenditures controlled by this body.

Adopted by the City Council of the City of Vallejo at a regular meeting held on May 12, 2026, with the following vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

---

ANDREA SORCE, MAYOR

ATTEST:

\_\_\_\_\_  
DAWN G. ABRAHAMSON, CITY CLERK



**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Nalungo Conley, Assistant City Manager/ Acting Finance Director  
**SUBJECT:** **ADOPT A RESOLUTION RECEIVING AND FILING THE ANNUAL MEASURE P AND SINGLE AUDIT REPORTS FOR THE FISCAL YEAR ENDED JUNE 30, 2025**

---

### **RECOMMENDATION**

Adopt a resolution to receive and file the Annual Measure P and Single Audit reports for the fiscal year ended June 30, 2025.

### **REASONS FOR RECOMMENDATION**

The City is required by Vallejo Municipal Code (VMC) Section 3.09.140 to conduct an independent audit of Measure P Transaction Use and Tax and present the results annually to the Citizen's Oversight Committee and City Council. The audit must include an accounting of Measure P revenues and expenditures and be made available for public review. The Annual Measure P Report for the fiscal year ended June 30, 2025, was presented to the Measure P Oversight Committee (MPOC) on April 30, 2026, which recommended that the City Council receive and file the report.

In addition, when federal expenditures exceed the threshold established under Uniform Guidance, the City is also required to complete a Single Audit.

The audit for the fiscal year ended June 30, 2025, was conducted by LSL, LLP, an independent certified public accounting firm selected by the City Council. Copies of the Measure P and Single Audit reports are available for public inspection at the meeting and the City's website.

### **BACKGROUND AND DISCUSSION**

The Measure P financial activity is audited as part of the City's annual audit of the General Fund and Capital Project Funds and is reported in aggregate in the Annual Comprehensive Financial Report (ACFR), consistent with applicable accounting standards. To enhance transparency, the City also prepares an annual Measure P compliance report with a detailed accounting of revenues and expenditures and an independent auditor's opinion confirming compliance with the Measure P ordinance. While the current framework satisfies audit and reporting requirements and ensures transparency and accountability, the Measure P Oversight Committee can recommend that the City Council consider a separate, stand-alone audit of Measure P funds. This option would provide an additional level of independent review but would also result in additional costs to the City.

The Single Audit includes an examination of the City's financial statements as well as a review of compliance with federal program requirements for major federal award programs. The objective is to ensure that federal funds are being managed and expended in accordance with applicable laws, regulations, and grant agreements.

For the fiscal year ended June 30, 2025, the auditors issued an unmodified opinion on the annual Measure P and Single Audit reports. In addition, the audit did not identify any material weaknesses, significant deficiencies, or instances of noncompliance with federal program requirements. Acceptance of these two annual reports acknowledges that the audit process has been completed and the

**Subject: ADOPT A RESOLUTION RECEIVING AND FILING THE ANNUAL MEASURE P AND  
SINGLE AUDIT REPORTS FOR THE FISCAL YEAR ENDED JUNE 30, 2025**

**Page 2**

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report has been submitted in accordance with federal and city requirements.

**FISCAL IMPACT**

This item has no fiscal impact. Funding for the audit fees are included in the current General Fund budget.

**ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

**ATTACHMENTS**

|    |                                                          |
|----|----------------------------------------------------------|
| 1. | Resolution on Measure P and Single Audit CAO Stamp       |
| 2. | Measure P Annual Compliance Report as of 6-30-25         |
| 3. | City of Vallejo Single Audit Reports as of June 30, 2025 |

**CONTACT**

Florita Cruz, Assistant Finance Director (707) 648-5542

[Florita.Cruz@cityofvallejo.net](mailto:Florita.Cruz@cityofvallejo.net)

Approved as to form:

By:  for  
Veronica Nebb, City Attorney

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO,  
CALIFORNIA, RECEIVING AND FILING THE ANNUAL MEASURE P AND SINGLE  
AUDIT REPORTS FOR THE FISCAL YEAR ENDED JUNE 30, 2025**

**WHEREAS**, Vallejo Municipal Code (VMC) Section 3.09.140 requires the Measure P transaction and use tax (Measure P) be subject to the same independent audit requirements as other General Fund revenues; and

**WHEREAS**, the VMC also requires the independent auditor's report to include an accounting of the revenues received and expenditures made from the Measure P, and that the report be presented annually to the Citizens' Oversight Committee and the City Council and made available for public review; and

**WHEREAS**, the Annual Measure P Report as of June 30, 2025, was presented to the Measure P Oversight Committee (MPOC) on April 30, 2026, and the MPOC recommended that the City Council receive and file the report; and

**WHEREAS**, when the City's federal expenditures exceed the threshold established under Uniform Guidance (2 CFR Part 200), the City is also required to complete a Single Audit; and

**WHEREAS**, LSL, LLP, an independent certified public accounting firm, has completed the audit of the City's financial statements, including Measure P activities and federal expenditures, for the fiscal year ended June 30, 2025, and issued an unmodified opinion ("clean") opinions on the applicable reports; and

**WHEREAS**, receipt and filing of these reports satisfies applicable legal and reporting requirements and promotes transparency and accountability in the City's financial operations.

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council of the City of Vallejo, State of California, that the City Council hereby receives and files the following reports for the fiscal year ended June 30, 2025:

1. Measure P Annual Compliance Report
2. Single Audit Report

Adopted by the City Council of the City of Vallejo at a regular meeting held on May 12, 2026,  
with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

---

ANDREA SORCE, MAYOR

ATTEST:

---

DAWN G. ABRAHAMSON, CITY CLERK





# CITY OF VALLEJO, CALIFORNIA MEASURE P TRANSACTION AND USE TAX FUND

FOR THE YEAR ENDED JUNE 30, 2025

REPORT ON COMPLIANCE

Focused  
on YOU



CITY OF VALLEJO, CALIFORNIA  
MEASURE P TRANSACTION AND USE TAX FUND

Report on Compliance

For the Year Ended June 30, 2025

CITY OF VALLEJO, CALIFORNIA  
MEASURE P TRANSACTION AND USE TAX FUND

Report on Compliance

For the Year Ended June 30, 2025

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Page  
Number

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## INDEPENDENT AUDITORS' REPORT ON COMPLIANCE AND ON INTERNAL CONTROL OVER COMPLIANCE

To the Honorable Mayor and Members of the City Council  
City of Vallejo, California

### **Report on Compliance**

#### ***Opinion on the Measure P Transaction and Use Tax Fund***

We have audited the compliance of the Measure P Transaction and Use Tax Fund of the City of Vallejo, California (the "City")'s compliance with the requirements described in Ordinance No. 1866 N.C (2d) (the "Ordinance"), and the Council expenditure direction approved with Resolutions No. 22-222 N.C. (the "Resolution"), for the year ended June 30, 2025.

In our opinion, the City complied, in all material respects, with the type of compliance requirements referred to above that could have a direct and material effect on the requirements referred to above applicable to the City, for the year ended June 30, 2025.

#### ***Basis for Opinion***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the requirements of the Ordinance and Resolution. Our responsibilities under those standards, and the Ordinance and Resolutions are further described in the Auditor's Responsibilities for the Audit of Compliance section of our report. We are required to be independent of the City and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance with the Ordinance and allowability per the Resolution. Our audit does not provide a legal determination of the City's compliance with the compliance requirements referred to above.

#### ***Emphasis of Matter***

We draw attention to the fact that the General Fund Subfund - #005 Measure P Transaction Use Tax, and Capital Outlay Fund #201 and Measure P Capital Fund #228, and Fleet Maintenance Replacement Fund Subfund - #502 Equipment Replacement (collectively the "Capital Projects Funds") were not subjected to a separate financial statement audit at the fund level. Instead, the financial activities and balances of the Measure P Fund and the Capital Projects Funds were included within the scope of the financial statement audit performed over the City's General Fund, Capital Outlay Fund #201 and Measure P Capital Fund #228 and the Fleet Maintenance Replacement Fund opinion units, respectively, for the fiscal year ended June 30, 2025. Refer to the Supplementary Information section below.

#### ***Responsibilities of Management for Compliance***

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to the City's government programs.



To the Honorable Mayor and Members of the City Council  
City of Vallejo, California

### ***Auditor's Responsibilities for the Audit of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the City's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards, *Government Auditing Standards* will always detect a material noncompliance when it exists. The risk of not detecting a material noncompliance resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user of the report on compliance about the City's compliance with the Ordinance and allowability per the Resolution. In performing an audit in accordance with generally accepted auditing standards and *Government Auditing Standards*, the Ordinance and Resolution, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the City's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of the City's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Ordinance and allowability per the Resolution, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Supplementary Information**

We conducted an audit over the City of Vallejo for the purpose of forming opinions on the financial statements that collectively comprise the City's basic financial statements. The accompanying schedules, as listed in the table of contents (supplementary information), are presented for purposes of additional analysis and are not a required part of the City's basic financial statements. Such information is the responsibility of the City's management and was derived from and relates directly to the underlying accounting and other records used to prepare the City's basic financial statements. The information has been subjected to the auditing procedures applied during our audit of the City's basic financial statements and performance of certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

### **Report on Internal Control over Compliance**

*A deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a



To the Honorable Mayor and Members of the City Council  
City of Vallejo, California

combination of deficiencies, in internal control over compliance with a type of compliance that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the Auditor's Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed. The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Ordinance and allowability per the Resolution. Accordingly, this report is not suitable for any other purpose.

*LSL, LLP*

Irvine, California  
January 29, 2026

**CITY OF VALLEJO, CALIFORNIA**  
**General Fund Subfund - #005 Measure P Transaction Use Tax, and Capital Project Funds**  
**Balance Sheet Schedules**  
**June 30, 2025**

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|                                                                                  | <b>General Fund<br/>Subfund - #005<br/>Measure P<br/>Transaction<br/>Use Tax</b> | <b>Capital<br/>Project<br/>Funds</b> | <b>Total</b>         |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------|----------------------|
| <b>ASSETS:</b>                                                                   |                                                                                  |                                      |                      |
| Pooled cash and investments                                                      | \$ 12,793,243                                                                    | \$ 15,779,800                        | \$ 28,573,043        |
| Taxes receivable                                                                 | 2,964,875                                                                        | -                                    | 2,964,875            |
| Notes and loans receivable                                                       | 2,900,282                                                                        | -                                    | 2,900,282            |
| <b>Total Assets</b>                                                              | <b>\$ 18,658,400</b>                                                             | <b>\$ 15,779,800</b>                 | <b>\$ 34,438,200</b> |
| <b>LIABILITIES AND FUND BALANCE:</b>                                             |                                                                                  |                                      |                      |
| <b>Liabilities:</b>                                                              |                                                                                  |                                      |                      |
| Accounts payable                                                                 | \$ 154,175                                                                       | \$ 247,340                           | \$ 401,515           |
| <b>Total Liabilities</b>                                                         | <b>154,175</b>                                                                   | <b>247,340</b>                       | <b>401,515</b>       |
| <b>DEFERRED INFLOW OF RESOURCES</b>                                              |                                                                                  |                                      |                      |
| Unavailable revenues                                                             | 20,617                                                                           | -                                    | 20,617               |
| <b>Total Deferred Inflows of Resources</b>                                       | <b>20,617</b>                                                                    | <b>-</b>                             | <b>20,617</b>        |
|                                                                                  | <b>174,792</b>                                                                   | <b>247,340</b>                       | <b>422,132</b>       |
| <b>FUND BALANCE:</b>                                                             |                                                                                  |                                      |                      |
| Nonspendable - loan principal                                                    | 2,879,665                                                                        | -                                    | 2,879,665            |
| Committed for Measure P projects                                                 | 2,082,623                                                                        | 15,532,460                           | 17,615,083           |
| Assigned for Measure P                                                           | 13,521,320                                                                       | -                                    | 13,521,320           |
| <b>Total Fund Balance</b>                                                        | <b>\$ 18,483,608</b>                                                             | <b>\$ 15,532,460</b>                 | <b>\$ 34,016,068</b> |
| <b>Total Liabilities, Deferred Inflows of Resources<br/>    and Fund Balance</b> | <b>\$ 18,658,400</b>                                                             | <b>\$ 15,779,800</b>                 | <b>\$ 34,438,200</b> |

**CITY OF VALLEJO, CALIFORNIA**  
**General Fund Subfund - #005 Measure P Transaction Use Tax, and Capital Project Funds**  
**Statement of Revenues and Expenditures**  
**June 30, 2025**

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|                                                              | General Fund<br>Subfund - #005<br>Measure P<br>Transaction<br>Use Tax | Capital<br>Project<br>Funds | Total         |
|--------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------|---------------|
| REVENUES:                                                    |                                                                       |                             |               |
| Local sales and use tax                                      | \$ 17,537,793                                                         | \$ -                        | \$ 17,537,793 |
| Use of money and property                                    | 1,512,940                                                             | -                           | 1,512,940     |
| Total Revenues                                               | 19,050,733                                                            | -                           | 19,050,733    |
| EXPENDITURES:                                                |                                                                       |                             |               |
| Fire services                                                | 210,800                                                               | -                           | 210,800       |
| Public Works                                                 | 86,578                                                                | -                           | 86,578        |
| Capital outlay                                               | -                                                                     | 6,183,388                   | 6,183,388     |
| Nondepartmental                                              | 125,000                                                               | -                           | 125,000       |
| Total Expenditures                                           | 422,378                                                               | 6,183,388                   | 6,605,766     |
| EXCESS (DEFICIENCY) OF REVENUES<br>OVER (UNDER) EXPENDITURES | 18,628,355                                                            | (6,183,388)                 | 12,444,967    |
| OTHER FINANCING SOURCES (USES):                              |                                                                       |                             |               |
| Transfers In                                                 | -                                                                     | 20,170,000                  | 20,170,000    |
| Transfers Out                                                | (15,170,000)                                                          | (5,000,000)                 | (20,170,000)  |
| Total Other Financing Sources (Uses)                         | (15,170,000)                                                          | 15,170,000                  | -             |
| Net Change in Fund Balance                                   | 3,458,355                                                             | 8,986,612                   | 12,444,967    |
| FUND BALANCE - BEGINNING                                     | 15,025,253                                                            | 6,545,848                   | 21,571,101    |
| FUND BALANCE - ENDING                                        | \$ 18,483,608                                                         | \$ 15,532,460               | \$ 34,016,068 |



CITY OF VALLEJO, CALIFORNIA  
General Fund Subfund - #005 Measure P Transaction Use Tax, and Capital Project Funds  
Supplemental Schedule of Measure P Transactions  
June 30, 2025

*This schedule is presented for transparency and public information purposes only. It is not part of the City's Annual Comprehensive Financial Report (ACFR) prepared in accordance with GASB standards.*

|                                                                                   | Cumulative<br>Amount | Actual Spending |                     | Remaining<br>Balance | Fund # |
|-----------------------------------------------------------------------------------|----------------------|-----------------|---------------------|----------------------|--------|
|                                                                                   |                      | FY 23-24        | FY 24-25            |                      |        |
| <b>Actual Revenues</b>                                                            |                      |                 |                     |                      |        |
| FY 2022-2023 actual revenues                                                      | \$ 4,251,505         |                 |                     |                      |        |
| FY 2023-2024 actual revenues                                                      | 17,771,948           |                 |                     |                      |        |
| FY 2024-2025 actual revenues                                                      | 17,537,793           |                 |                     |                      |        |
| Investment Income                                                                 | 1,512,939            |                 |                     |                      |        |
| <b>Total Revenues</b>                                                             | <b>41,074,185</b>    |                 |                     |                      | #005   |
| <b>Appropriations</b>                                                             |                      |                 |                     |                      |        |
| <b>No. Council Measure P Category</b>                                             |                      |                 |                     |                      |        |
| <b>1 Maintain emergency medical response</b>                                      | <b>730,000</b>       | -               | <b>140,800</b>      | <b>589,200</b>       |        |
| Defibrillator Replacements for Fire Department                                    | 500,000              | -               | -                   | 500,000              | #005   |
| Protective Equipment for Fire Department                                          | 85,000               | -               | 85,000              | -                    | #005   |
| Thermal Imaging Camera for Fire Department                                        | 70,000               | -               | 55,800              | 14,200               | #005   |
| Standards of Cover                                                                | 75,000               | -               | -                   | 75,000               | #005   |
| <b>2 Maintain crime prevention</b>                                                | <b>2,798,200</b>     | <b>452,351</b>  | <b>1,550,223</b>    | <b>795,626</b>       |        |
| Security Services                                                                 | 500,000              | -               | -                   | 500,000              | #005   |
| Police Department Headquarters Project - Phase B (PW9818)                         | 1,998,200            | 452,351         | 1,524,940           | 20,909               | #201   |
| Police Department Modular Dispatch Center (PDRAD)                                 | 300,000              | -               | 25,283              | 274,717              | #228   |
| <b>3 Address homelessness</b>                                                     | <b>4,479,665</b>     | -               | <b>3,979,665</b>    | <b>500,000</b>       |        |
| Extreme Weather Centers                                                           | 500,000              | -               | -                   | 500,000              | #005   |
| Navigation Center (Project PW9433)                                                | 1,100,000            | -               | 1,100,000           | -                    | #228   |
| Loan Agreement for Broadway Project (HKEY22)                                      | 2,879,665            | -               | 2,879,665           | -                    | #005   |
| <b>4 Address blight</b>                                                           | <b>650,000</b>       | -               | <b>218,451</b>      | <b>431,549</b>       |        |
| Graffiti Removal Equipment                                                        | 150,000              | -               | 90,315              | 59,685               | #502   |
| Streetlight repair/expansion (PWC114)                                             | 500,000              | -               | 128,136             | 371,864              | #228   |
| <b>5 Address dumping</b>                                                          | <b>500,000</b>       | -               | <b>86,578</b>       | <b>413,422</b>       |        |
| Dumping Prevention                                                                | 500,000              | -               | 86,578              | 413,422              | #005   |
| <b>6 Repair deteriorating neighborhood streets, roads and sidewalks</b>           | <b>18,120,000</b>    | -               | <b>3,314,714</b>    | <b>14,805,286</b>    |        |
| Residential Street Resurfacing (Slurry seal) Project (PW9745)                     | 2,000,000            | -               | 1,998,975           | 1,025                | #228   |
| American with Disabilities Act (ADA) curb ramp compliance construction (PW9705)   | 500,000              | -               | -                   | 500,000              | #228   |
| Comprehensive pavement construction design & project management services (PWC109) | 1,000,000            | -               | -                   | 1,000,000            | #228   |
| Potholes and traffic stripping (PWC109)                                           | 1,500,000            | -               | 787,468             | 712,532              | #228   |
| Mare Island Causeway Bridge                                                       | 3,000,000            | -               | -                   | 3,000,000            | #228   |
| Intersection Improvement Project                                                  | 100,000              | -               | -                   | 100,000              | #228   |
| Bay Trail/Vine Trail maintenance and repair                                       | 20,000               | -               | 200                 | 19,800               | #228   |
| Roadway paving restoration and renewal project                                    | 10,000,000           | -               | 528,071             | 9,471,929            | #228   |
| <b>7 Youth priorities</b>                                                         | <b>275,000</b>       | -               | <b>195,000</b>      | <b>80,000</b>        |        |
| Council Support and Outreach                                                      | 80,000               | -               | -                   | 80,000               | #005   |
| Community Grants (for 2 year period)                                              | 125,000              | -               | 125,000             | -                    | #005   |
| Firefighter Academy                                                               | 70,000               | -               | 70,000              | -                    | #005   |
| <b>Total Expenditures</b>                                                         | <b>27,552,865</b>    | <b>452,351</b>  | <b>9,485,431</b>    | <b>17,615,083</b>    |        |
| <b>Net Operating Results, reported as Assigned Fund balance</b>                   | <b>\$ 13,521,320</b> |                 |                     |                      |        |
| Unspent, reported as Committed Fund balance in Balance Sheet                      |                      |                 |                     | <b>\$ 17,615,083</b> |        |
| Reported as Expenditures in Statement of revenues, expenditures                   |                      |                 | \$ 6,605,766        |                      |        |
| Reported as Loans Receivable/ Nonspendable balance in Balance sheet               |                      |                 | 2,879,665           |                      |        |
| Total                                                                             |                      |                 | <b>\$ 9,485,431</b> |                      |        |

## **I. SUMMARY**

In July 2022, the City Council approved Ordinance No. 1866 N.C.(2d) amending the City Municipal Code imposing an additional 0.875% to the transaction and use tax subject to approval by majority of the voters on the November 2022 election. The amendment also includes new sections for the Independent annual audit and creation of a Citizen's Oversight Committee. The Citizens' Oversight Committee shall annually review and report on (a) the City's proposed and actual expenditure of proceeds generated by the additional 0.875% transaction and use tax and (b) the required independent annual audit. The Committee's report shall be submitted to the City Council for review and discussion at a public meeting of the City Council and shall be available to the public.

In November 2022, the voters of the City of Vallejo passed Measure P, a ballot measure adding 0.875% to the current transaction and use tax effective April 1, 2023.

Following approval of the ballot measure, the City Council approved Resolution No. 22-222 N.C. directing staff to prioritize the following uses of Measure P revenues as follows:

1. Maintain critical city services such as keeping public spaces healthy, safe and clean
2. Maintain fire protection
3. Maintain emergency medical response
4. Maintain crime prevention
5. Address homelessness
6. Address blight
7. Address dumping
8. Repair deteriorating neighborhood streets, roads and sidewalks; and
9. Youth priorities

## **II. COLLECTION, MANAGEMENT AND EXPENDITURES**

Measure P is a transaction and use tax which is implemented in the same manner as a sales tax. The California Department of Tax and Fee Administration manages the collection and distribution of the tax-generated revenue and distributes funds to the City monthly. The funds go into the City's Measure Transaction and Use Fund (#005), Fund, a sub-fund of the City's General Fund, to clearly identify this additional revenue and allows separate tracking of Measure P dollars from collection to disbursement, enabling the public to easily see how and where these funds are applied.

The City additionally tracks its multi-year Measure P project appropriations under Capital Outlay Fund #201, Measure P Capital Fund #228, and Fleet Maintenance Replacement Fund -Subfund #502 Equipment Replacement. Collectively, these funds are referred to as the "Capital Project Funds", providing a consolidated framework for managing and monitoring the cumulative spending of the City's Measure P multi-year capital projects that span multiple fiscal years.

## **III. COMPLIANCE**

The Vallejo Municipal Code (VMC) Section 3.09.140 states that the proceeds resulting from the transactions and use tax are deposited into the City's General Fund and are subject to the same independent annual audit requirements as other General Fund revenues. The independent auditor's report includes an accounting of the revenues received and expenditures made from the transactions and use tax and is presented annually to the Citizens' Oversight Committee and the City Council and made available for public review.

The City's Auditors performed a financial audit over the City in which the City's General Fund and Capital Projects were opinion units. The financial audit was designed to provide an opinion on the City's General Fund and Capital Project Funds as a whole. Measure P funds and transactions were evaluated using City's General Fund and Capital Project Funds' materiality thresholds and were not subject to the level of scrutiny or focus that would have been applied had Measure P been audited as a stand-alone opinion unit with its own materiality.

**CITY OF VALLEJO, CALIFORNIA**  
**GENERAL FUND SUBFUND - #005 MEASURE P TRANSACTION USE TAX, AND CAPITAL PROJECT FUNDS**  
**Notes to the Financial Schedules**  
**For the Year Ended June 30, 2025**

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The city ensures transparency and accountability for Measure P tax revenues through the following oversight and reporting framework for Fiscal Year 2024-25, consistent with applicable Governmental Accounting Standards Board (GASB) standards:

Overall Measure P revenues and related expenditures are tracked in Fund #005 within the General Fund to facilitate detailed internal monitoring. However, for external reporting, the presentation of these amounts is governed by GASB standards, which limit the level of detail that may be displayed in the basic financial statements. As a result, in the Annual Comprehensive Financial Report (ACFR), Measure P revenues are reported in aggregate with other General Fund tax revenues, and Measure P expenditures are combined with other General Fund expenditures by function and department.

Because Measure P activities are accounted within the General Fund and multi-year Measure P project expenditures are additionally tracked within the Capital Project Funds, the City prepares an Annual Report on Compliance to provide a detailed, itemized accounting of Measure P-specific revenues and expenditures. This report isolates Measure P activity from other General Fund and Capital Project Fund resources and is prepared in accordance with VMC Section 3.09.140.



## CITY OF VALLEJO, CALIFORNIA

FOR THE YEAR ENDED JUNE 30, 2025

SINGLE AUDIT REPORT

Focused  
on YOU



CITY OF VALLEJO, CALIFORNIA

Single Audit Report

For the Year Ended June 30, 2025

CITY OF VALLEJO, CALIFORNIA

Single Audit Report

For the Year Ended June 30, 2025

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INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON  
COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN  
ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

To the Honorable Mayor and Members of the City Council  
City of Vallejo, California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City of Vallejo, California (hereafter, the City), as of and for the year ended June 30, 2025, and the related notes to the financial statements, which collectively comprise the City's basic financial statements, and have issued our report thereon dated February 18, 2026.

**Report on Internal Control over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the City's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements, on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

**Report on Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the City's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.



To the Honorable Mayor and Members of the City Council  
City of Vallejo, California

### **Purpose of This Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the City's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the City's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*LSL, LLP*

Sacramento, California  
February 18, 2026





INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH MAJOR PROGRAM  
AND ON INTERNAL CONTROL OVER COMPLIANCE AND REPORT ON SCHEDULE OF EXPENDITURES OF  
FEDERAL AWARDS REQUIRED BY THE UNIFORM GUIDANCE

To the Honorable Members of the City Council  
City of Vallejo, California

**Report on Compliance for Each Major Federal Program**

***Opinion on Each Major Federal Program***

We have audited the City of Vallejo, California (hereafter, the City)'s compliance with the types of compliance requirements identified as subject to audit in the OMB *Compliance Supplement* that could have a direct and material effect on each of the City's major federal programs for the year ended June 30, 2025. The City's major federal programs are identified in the summary of auditors' results section of the accompanying schedule of findings and questioned costs.

In our opinion, the City complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2025.

***Basis for Opinion on Each Major Federal Program***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of the City and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of the City's compliance with the compliance requirements referred to above.

***Responsibilities of Management for Compliance***

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules, and provisions of contracts or grant agreements applicable to the City's federal programs.

***Auditors' Responsibilities for the Audit of Compliance***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the City's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists.



To the Honorable Members of the City Council  
City of Vallejo, California

The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the City's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the City's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of the City's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

### **Report on Internal Control over Compliance**

*A deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the Auditor's Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.



To the Honorable Members of the City Council  
City of Vallejo, California

### **Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**

We have audited the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the City, as of and for the year ended June 30, 2025, and the related notes to the financial statements, which collectively comprise the City's basic financial statements. We issued our report thereon dated February 18, 2026, which contained unmodified opinions on those financial statements. Our audit was performed for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the basic financial statements as a whole.

*LSL, LLP*

Sacramento, California

March 25, 2026 (Except for the Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance, which is dated February 18, 2026)

**CITY OF VALLEJO, CALIFORNIA**  
**Schedule of Expenditures of Federal Awards**  
**For the Year Ended June 30, 2025**

| <i>Federal Grantor/Pass-through Grantor/<br/>Program or Cluster Title</i>                                | <i>Federal<br/>Assistance<br/>Listing<br/>Number</i> | <i>Pass-Through Entity<br/>Identifying Number</i> | <i>Passed-through<br/>to Subrecipients</i> | <i>Total Federal<br/>Expenditures</i> |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------|--------------------------------------------|---------------------------------------|
| <b><u>U.S. Department of Housing and Urban Development:</u></b>                                          |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                         |                                                      |                                                   |                                            |                                       |
| CDBG - Entitlement/Special Purpose Grants Cluster                                                        |                                                      |                                                   |                                            |                                       |
| Community Development Block Grants/Entitlement Grants                                                    | 14.218                                               |                                                   |                                            |                                       |
| Grant Allocations                                                                                        |                                                      | N/A                                               | \$ 102,665                                 | \$ 1,077,375                          |
| Beginning Loan Balances                                                                                  |                                                      | N/A                                               | -                                          | 1,560,362                             |
| Program Income - Other                                                                                   |                                                      | N/A                                               | -                                          | 6,417                                 |
| Neighborhood Stabilization Program                                                                       | 14.218                                               |                                                   |                                            |                                       |
| Beginning Loan Balances                                                                                  |                                                      | N/A                                               | -                                          | 1,931,159                             |
| Program Income - Other                                                                                   |                                                      | N/A                                               | -                                          | 1,233                                 |
| Subtotal for 14.218                                                                                      |                                                      |                                                   | 102,665                                    | 4,576,546                             |
| Total CDBG - Entitlement/Special Purpose Grants Cluster                                                  |                                                      |                                                   | 102,665                                    | 4,576,546                             |
| Home Investment Partnerships Program *                                                                   | 14.239                                               |                                                   |                                            |                                       |
| Program Income - Other                                                                                   |                                                      | N/A                                               | -                                          | 43,720                                |
| Home Investment Partnerships Program ARPA Grant Allocations                                              |                                                      | N/A                                               | -                                          | 1,388                                 |
| Beginning Loan Balances *                                                                                |                                                      | N/A                                               | -                                          | 2,444,122                             |
| Subtotal for 14.239                                                                                      |                                                      |                                                   | -                                          | 2,489,230                             |
| Housing Voucher Cluster                                                                                  |                                                      |                                                   |                                            |                                       |
| Section 8 Housing Choice Vouchers *                                                                      | 14.871                                               | N/A                                               | -                                          | 28,910,167                            |
| Subtotal for 14.871                                                                                      |                                                      |                                                   | -                                          | 28,910,167                            |
| Total Housing Voucher Cluster                                                                            |                                                      |                                                   | -                                          | 28,910,167                            |
| Family Self-Sufficiency Program Coordinator Grant                                                        |                                                      |                                                   |                                            |                                       |
| Housing Choice Voucher Program - FSS Coordinator                                                         | 14.896                                               | N/A                                               | -                                          | 71,433                                |
| Pass Through Programs:                                                                                   |                                                      |                                                   |                                            |                                       |
| Mare Island Historic Park Foundation                                                                     |                                                      |                                                   |                                            |                                       |
| Preserving and Restoring Mare Island Landmarks                                                           | 14.251                                               | KJKSES96KUN9                                      | -                                          | 30,906                                |
| Subtotal, Pass Through Programs                                                                          |                                                      |                                                   | -                                          | 30,906                                |
| <b>Total U.S. Department of Housing and Urban Development</b>                                            |                                                      |                                                   | <b>102,665</b>                             | <b>36,078,282</b>                     |
| <b><u>U.S. Department of Commerce:</u></b>                                                               |                                                      |                                                   |                                            |                                       |
| Pass Through Programs:                                                                                   |                                                      |                                                   |                                            |                                       |
| Economic Adjustment Assistance Program                                                                   |                                                      |                                                   |                                            |                                       |
| Mare Island Cooperative Agreement - Environmental Services East                                          | 11.307                                               | P6T8KMJM3ZZ5                                      | -                                          | 185,335                               |
| <b>Total U.S. Department of Commerce</b>                                                                 |                                                      |                                                   | -                                          | <b>185,335</b>                        |
| <b><u>U.S. Department of Defense:</u></b>                                                                |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                         |                                                      |                                                   |                                            |                                       |
| Community Base Reuse Plan                                                                                |                                                      |                                                   |                                            |                                       |
| Mare Island Cooperative Agreement - Environmental Services East                                          | 12.612                                               | N/A                                               | -                                          | 5,636,292                             |
| Mare Island Coop Agreement - East administrative charges                                                 | 12.612                                               | N/A                                               | -                                          | 127,211                               |
| <b>Total U.S. Department of Justice</b>                                                                  |                                                      |                                                   | -                                          | <b>5,763,503</b>                      |
| <b><u>U.S. Department of the Interior:</u></b>                                                           |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                         |                                                      |                                                   |                                            |                                       |
| WaterSMART (Sustain and Manage America's<br>Resources for Tomorrow) *                                    | 15.507                                               | N/A                                               | -                                          | 1,887,054                             |
| <b>Total U.S. Department of the Interior</b>                                                             |                                                      |                                                   | -                                          | <b>1,887,054</b>                      |
| <b><u>U.S. Department of Justice:</u></b>                                                                |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                         |                                                      |                                                   |                                            |                                       |
| Edward Byrne Memorial Justice Assistance<br>Grant Program                                                | 16.738                                               | N/A                                               | -                                          | 66,663                                |
| Byrne Discretionary Community Project Funding/Byrne Discretionary *                                      | 16.753                                               | N/A                                               | -                                          | 575,556                               |
| Public Safety Partnership and Community Policing Grants                                                  | 16.710                                               | N/A                                               | -                                          | 174,591                               |
| Byrne Criminal Justice Innovation Program                                                                | 16.817                                               | N/A                                               | -                                          | 298,570                               |
| Pass Through Programs:                                                                                   |                                                      |                                                   |                                            |                                       |
| City of Fairfield, California                                                                            |                                                      |                                                   |                                            |                                       |
| Edward Byrne Memorial Justice Assistance Program                                                         | 16.738                                               | RKK3CJAGJ3G4                                      | -                                          | 15,528                                |
| <b>Total U.S. Department of Justice</b>                                                                  |                                                      |                                                   | -                                          | <b>1,130,908</b>                      |
| <b><u>U.S. Department of Transportation:</u></b>                                                         |                                                      |                                                   |                                            |                                       |
| Pass Through Programs:                                                                                   |                                                      |                                                   |                                            |                                       |
| California Department of Transportation:<br>Highway Planning and Construction                            | 20.205                                               | EHEGWCLJEVJ4                                      | -                                          | 190,100                               |
| California Office of Traffic Safety:<br>Minimum Penalties for Repeat Drunk Driving Prevention Incentives |                                                      |                                                   |                                            |                                       |
| Selective Traffic Enforcement Program                                                                    | 20.608                                               | XCA4E3XL2KY7                                      | -                                          | 14,774                                |
| Total Highway Safety Cluster                                                                             |                                                      |                                                   | -                                          | 14,774                                |
| <b>Total U.S. Department of Transportation</b>                                                           |                                                      |                                                   | -                                          | <b>204,874</b>                        |
| <b><u>U.S. Department of the Treasury:</u></b>                                                           |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                         |                                                      |                                                   |                                            |                                       |
| Coronavirus State and Local Fiscal Recovery Funds                                                        | 21.027                                               | N/A                                               | -                                          | 6,928,255                             |
| Pass Through Programs:                                                                                   |                                                      |                                                   |                                            |                                       |
| County of Solano:                                                                                        |                                                      |                                                   |                                            |                                       |
| Coronavirus State and Local Fiscal Recovery Funds                                                        | 21.027                                               | XDLNTFCKM1A6                                      | -                                          | 1,000,276                             |
| Subtotal for 21.027                                                                                      |                                                      |                                                   | -                                          | 7,928,531                             |
| <b>Total U.S. Department of the Treasury</b>                                                             |                                                      |                                                   | -                                          | <b>7,928,531</b>                      |

See Accompanying Notes to this Schedule.

CITY OF VALLEJO, CALIFORNIA  
Schedule of Expenditures of Federal Awards  
For the Year Ended June 30, 2025

| <i>Federal Grantor/Pass-through Grantor/<br/>Program or Cluster Title</i>                       | <i>Federal<br/>Assistance<br/>Listing<br/>Number</i> | <i>Pass-Through Entity<br/>Identifying Number</i> | <i>Passed-through<br/>to Subrecipients</i> | <i>Total Federal<br/>Expenditures</i> |
|-------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------|--------------------------------------------|---------------------------------------|
| <b><u>U.S. Department of Homeland Security:</u></b>                                             |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                |                                                      |                                                   |                                            |                                       |
| Staffing for Adequate Fire and Emergency Response Program                                       | 97.083                                               | N/A                                               | -                                          | 2,185,535                             |
| Pass Through Programs:                                                                          |                                                      |                                                   |                                            |                                       |
| California Office of Emergency Services:                                                        |                                                      |                                                   |                                            |                                       |
| Disaster Grants - Public Assistance (FEMA-4482-DR-CA)                                           | 97.036                                               | UTM3S7LKYQZ4                                      | -                                          | 707,728                               |
| <b>Total U.S. Department of Homeland Security</b>                                               |                                                      |                                                   | -                                          | <b>2,893,263</b>                      |
| <b><u>Environmental Protection Agency</u></b>                                                   |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                |                                                      |                                                   |                                            |                                       |
| Brownfields Multipurpose, Assessment, Revolving Loan Fund and<br>Cleanup Cooperative Agreements | 66.818                                               | N/A                                               | -                                          | 163,257                               |
| <b>Total Environmental Protection Agency</b>                                                    |                                                      |                                                   | -                                          | <b>163,257</b>                        |
| <b><u>U.S. Department of Energy</u></b>                                                         |                                                      |                                                   |                                            |                                       |
| Direct Programs:                                                                                |                                                      |                                                   |                                            |                                       |
| State and Community Energy Programs                                                             |                                                      |                                                   |                                            |                                       |
| Energy Efficiency Conservation Block Grant Program -<br>Equipment Rebate Voucher                | 81.128                                               | N/A                                               | -                                          | 147,304                               |
| <b>Total U.S. Department of Energy</b>                                                          |                                                      |                                                   | -                                          | <b>147,304</b>                        |
| <b>Total Expenditures of Federal Awards Including Loans</b>                                     |                                                      |                                                   | <b>\$ 102,665</b>                          | <b>\$ 56,382,311</b>                  |

\* Major Program

There were no federal awards expended in the form of noncash assistance and insurance in effect during the year.

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES APPLICABLE TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

**A. Scope of Presentation**

The accompanying schedule presents only the expenditures incurred by the City of Vallejo, California, that are reimbursable under federal programs of federal financial assistance. For the purposes of this schedule, federal awards include both federal financial assistance received directly from a federal agency, as well as federal funds received indirectly by the City from a non-federal agency or other organization. Only the portion of program expenditures reimbursable with such federal funds is reported in the accompanying schedule. Program expenditures in excess of the maximum federal reimbursement authorized or the portion of the program expenditures that were funded with state, local or other non-federal funds are excluded from the accompanying schedule. Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years.

**B. Basis of Accounting**

The expenditures included in the accompanying schedule were reported on the modified accrual basis of accounting. Under the modified accrual basis of accounting, expenditures are incurred when the City becomes obligated for payment as a result of the receipt of the related goods and services. Expenditures reported included any property or equipment acquisitions incurred under the federal program. The City has elected not to use the de minimis indirect cost rate allowed under the Uniform Guidance.

**C. Loan Programs with Continuing Compliance Requirements**

The program loans listed below are administered directly by the City, and balances and transactions relating to these programs are included in the City's basic financial statements. Loans made during the fiscal year, if any, are included in the federal expenditures presented in the Schedule of Expenditures of Federal Awards. The balance of loans outstanding at June 30, 2025 consists of:

| <b>Assistance<br/>Listing<br/>Number</b> | <b>Program Name</b>                                            | <b>Outstanding<br/>Balance at<br/>June 30, 2025</b> |
|------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------|
| 14.218                                   | Community Development Block Grants Loan Program                | \$ 1,560,362                                        |
|                                          | Community Development Block Grants Loan Program - Neighborhood |                                                     |
| 14.218                                   | Stabilization Program                                          | 1,931,159                                           |
| 14.239                                   | Home Investment Partnerships Loan Program                      | 2,084,698                                           |
|                                          |                                                                | <u><u>\$ 5,576,219</u></u>                          |

**SECTION I - SUMMARY OF AUDITORS' RESULTS**

Financial Statements

Type of auditors' report issued: Unmodified Opinion

Internal control over financial reporting:

- Material weaknesses identified? ☐ yes ☒ no
- Significant deficiencies identified? ☐ yes ☒ none identified

Noncompliance material to financial statements noted? ☐ yes ☒ no

Federal Awards

Internal control over major programs:

- Material weaknesses identified? ☐ yes ☒ no
- Significant deficiencies identified? ☐ yes ☒ none identified

Type of auditors' report issued on compliance for major programs: Unmodified Opinion

Any audit findings disclosed that are required to be reported in accordance with Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance)?

☐ yes ☒ no

Identification of major programs:

Assistance Listing Number(s)

Name of Federal Program or Cluster

|        |                                                                   |
|--------|-------------------------------------------------------------------|
| 14.239 | Home Investment Partnerships Program                              |
| 14.871 | Section 8 Housing Choice Vouchers                                 |
| 16.753 | Byrne Discretionary Community Project Funding/Byrne Discretionary |
| 15.507 | WaterSMART (Sustain and Manage America's Resources for Tomorrow)  |

Dollar threshold used to distinguish between type A and type B program \$1,513,400

Auditee qualified as low-risk auditee? ☐ yes ☒ no

**SECTION II - FINANCIAL STATEMENT FINDINGS**

No matters were reported.

**SECTION III - FEDERAL AWARD FINDINGS AND QUESTIONED COSTS**

No matters were reported.





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OFFICE OF THE FINANCE DIRECTOR • PO BOX 3068 • 555 Santa Clara Street • Vallejo • CA • 94590 • 707.648.4592

**Summary Schedule of Prior Year Findings and Questioned Costs  
For the Year Ended June 30, 2024**

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**Finding: 2024-001: Material Weakness in Internal Control over Compliance**

Appropriate corrective actions were taken; this finding is considered resolved and is not repeated in the fiscal year ended June 30, 2025.



**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Brad Paul, Interim Economic Development Director  
**SUBJECT:** **ADOPT A RESOLUTION APPROVING THE FIFTH AMENDMENT TO THE LEASE BETWEEN THE CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC AT THE FERRY BUILDING FOR THE PURPOSE OF CONSENTING TO A SUBLEASE AGREEMENT BY AND BETWEEN THE SAN FRANCISCO BAY AREA WATER EMERGENCY TRANSPORTATION AUTHORITY (WETA), MARE ISLAND BREWING CO. LLC (MIBC), AND VALLEJO CONVENTION AND VISITORS BUREAU (VISIT VALLEJO) AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

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### **RECOMMENDATION**

Adopt a Resolution approving the Fifth Amendment to the Lease between the City of Vallejo and the Mare Island Brewing Co. LLC (MIBC) for the purpose of consenting to the sublease agreement by and between the San Francisco Water Emergency Transportation Authority (WETA), Mare Island Brewing Co. LLC (MIBC), and Vallejo Convention and Visitors Bureau (Visit Vallejo) and authorizing the City Manager to execute same.

### **REASONS FOR RECOMMENDATION**

The Sublease would allow the subtenants to realign their floor designations to match the spatial needs of each tenant. WETA has moved to electronic ticketing and no longer needs the ticket office at the Ferry Building. Visit Vallejo and MIBC have growing space needs. Expanding the square footage for MIBC and Visit Vallejo creates a more efficient use of the site that benefits the tenants and thereby the City's long-term financial interests and the overall economic development of the waterfront.

### **BACKGROUND AND DISCUSSION**

On September 16, 2013, the City of Vallejo (City) and the Mare Island Brewing Co. LLC (MIBC) entered into a lease for approximately 1,321 rentable square feet of the building, commonly known as the Ferry Building located at 289 Mare Island Way, Suite G, in Vallejo, CA for the sale and tasting of on-tap beer and wine as well nonalcoholic beverages and on site food preparation.

On February 2, 2017, the City and MIBC entered into a First Amendment whereby MIBC renewed the first of three successive renewal options of five years each. On July 26, 2017, the parties entered into a Second Amendment whereby MIBC exercised the option to expand into the premises formerly occupied by Visit Vallejo-Suite A and an adjacent open space, which together comprise approximately 1,100 square feet and does not include the informational booth located within Suite A that would continue to be occupied by Visit Vallejo. On September 11, 2017, the parties entered into a Third Amendment whereby MIBC retrofitted the Visit Vallejo space and provided other improvements and, in compensation for such work, were granted free rent through November 1, 2017. On October 1, 2018, the parties entered into a Fourth Amendment whereby

**Subject: ADOPT A RESOLUTION APPROVING THE FIFTH AMENDMENT TO THE LEASE BETWEEN THE CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC AT THE FERRY BUILDING FOR THE PURPOSE OF CONSENTING TO A SUBLEASE AGREEMENT BY AND BETWEEN THE SAN FRANCISCO BAY AREA WATER EMERGENCY TRANSPORTATION AUTHORITY (WETA), MARE ISLAND BREWING CO. LLC (MIBC), AND VALLEJO CONVENTION AND VISITORS BUREAU (VISIT VALLEJO) AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

**Page 2**

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MIBC was granted a base rent reduction of \$550 per month for a specific term which commenced on October 1, 2018 and expired on March 31, 2022 as compensation for utility upgrades and other improvements to the premises.

MIBC, WETA, and Visit Vallejo, the current tenants of the Ferry Building, desire to enter into a sublease to reallocate the space inside the Vallejo Ferry Terminal Building being relinquished by WETA. The space relinquished by WETA will be utilized by MIBC and Visit Vallejo as described in the sublease and as depicted in the attached exhibit to the sublease will be reallocated as follows:

- a. WETA will sublet the current ticket office space of 468 square feet to MIBC as-is, with no improvements.
- b. Visit Vallejo will sublet Visit Vallejo's premises of 83 square feet to MIBC.
- c. MIBC will sublet space within WETA's former premises to Visit Vallejo of 83 square feet at the rate Visit Vallejo currently pays to the City.

This action allows for the restructuring of floor designations to better suit the immediate the tenants' operational needs. Exact square footage adjustments are detailed in Exhibit 1.A of the Sublease.

The outdoor seating area is the subject of a separate license agreement. The crow's nest square footage is not part of the lease.

Section 15 of the Lease with MIBC requires MIBC to obtain the City's prior written approval of any sublease. If approved, the sum of the rents and common area expenses collected by the City would continue at their current rates, without change.

### **FISCAL IMPACT**

The fiscal impact of the proposed lease amendment and sublease is revenue-neutral for the City's General Fund, with potential long-term positive upside through increased commercial activity.

### **ENVIRONMENTAL REVIEW**

This action is categorically exempt from the California Environmental Act (CEQA) pursuant to CEQA Guidelines Section 15031, Class 1 (Existing Facilities), as it involves the lease and minor alteration to the interior of an existing building.

### **ATTACHMENTS**

**Subject: ADOPT A RESOLUTION APPROVING THE FIFTH AMENDMENT TO THE LEASE BETWEEN THE CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC AT THE FERRY BUILDING FOR THE PURPOSE OF CONSENTING TO A SUBLEASE AGREEMENT BY AND BETWEEN THE SAN FRANCISCO BAY AREA WATER EMERGENCY TRANSPORTATION AUTHORITY (WETA), MARE ISLAND BREWING CO. LLC (MIBC), AND VALLEJO CONVENTION AND VISITORS BUREAU (VISIT VALLEJO) AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

**Page 3**

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|    |                                                                                                |
|----|------------------------------------------------------------------------------------------------|
| 1. | Resolution Approving Fifth Amendment to Lease Amendment with Mare Island Brewing Co. CAO Stamp |
| 2. | Fifth Amendment to Lease Agreement with Mare Island Brewing_CAO Stamp                          |
| 3. | Ferry Building Sublease Agreement                                                              |
| 4. | 0 - Lease Agreement - Mare Island Brewing Co - Excuted 2013.09.16                              |
| 5. | 1 - First Amendment to Leaset Agreement with Mare Island Brewing Co. 02.02.2017                |
| 6. | 2 - Second Amendment to Lease Agreement with Mare Island Brewing                               |
| 7. | 3 - Third Amendment to Lease Agreement with Mare Island Brewing                                |
| 8. | 4 - Fourth Amendment to Lease Agreement with Mare Island Brewing                               |

**CONTACT**

Brad Paul, Interim Economic Development Director (707) 648-4109

[brad.paul@cityofvallejo.net](mailto:brad.paul@cityofvallejo.net)

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A FIFTH AMENDMENT TO THE LEASE BETWEEN THE CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC AT THE VALLEJO FERRY TERMINAL BUILDING FOR THE PURPOSE OF CONSENTING TO A SUBLEASE AGREEMENT BY AND BETWEEN THE SAN FRANCISCO BAY AREA WATER EMERGENCY TRANSPORTATION AUTHORITY (WETA), MARE ISLAND BREWING CO. LLC (MIBC), AND THE VALLEJO CONVENTION AND VISITORS' BUREAU (VISIT VALLEJO) AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

**WHEREAS**, on September 16, 2013, the City of Vallejo (City) and Mare Island Brewing Co. (MIBC) entered into a Lease whereby MIBC leases approximately 1,321 rentable square feet of the Vallejo Ferry Terminal Building for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages; and

**WHEREAS**, on February 2, 2017, the City and MIBC entered into a First Amendment whereby MIBC renewed the first of three successive renewal options of five years each; and

**WHEREAS**, on July 26, 2017, the parties entered into a Second Amendment whereby MIBC exercised the option to expand into the premises formerly occupied by Visit Vallejo-Suite A and an adjacent open space, which together comprise approximately 1,100 square feet and does not include the informational booth located within Suite A that would continue to be occupied by Visit Vallejo; and

**WHEREAS**, on September 11, 2017, the parties entered into a Third Amendment whereby MIBC retrofitted the Visit Vallejo space and provided other improvements and in compensation for such work were granted free rent through November 1, 2017; and

**WHEREAS**, on October 1, 2018, the parties entered into a Fourth Amendment whereby MIBC was granted a base rent reduction of \$550 per month for a specific term which commenced on October 1, 2018, and expired on March 31, 2022, as compensation for utility upgrades and other improvements to the premises; and

**WHEREAS**, WETA has moved to electronic ticketing and no longer needs the ticket office inside the Ferry Building; and

**WHEREAS**, MIBC desires to enter into a sublease with WETA and Visit Vallejo to reconfigure their respective premises inside the Vallejo Ferry Terminal Building and Section 15 of the Lease requires MIBC to obtain the City's prior written approval in order to do so; and

**WHEREAS**, approval of the sublease would be revenue neutral to the City, as the sum of the rents and common area expenses collected by the City will continue at their current rates, without change.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council hereby approves the Fifth Amendment to the Lease with Mare Island Brewing Co. LLC and consents to the Sublease Agreement by and between WETA, MIBC and Visit Vallejo.

**BE IT FURTHER RESOLVED** that the City Council hereby authorizes the City Manager or designee to execute the Lease, with any modifications recommended by the City Attorney and with the City Clerk to attest.

Adopted by the City Council of the City of Vallejo at a regular meeting held on May 12, 2026, with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

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ANDREA SORCE, MAYOR

ATTEST:

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DAWN G. ABRAHAMSON, CITY CLERK

**FIFTH AMENDMENT TO NNN LEASE BY AND BETWEEN  
CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC**

**THIS FIFTH AMENDMENT TO NNN LEASE** ("Fifth Amendment") is made and entered into on May 13, 2026, by and between the City of Vallejo, a California municipal corporation ("Landlord") and Mare Island Brewing Co. LLC, a California limited liability company ("Tenant").

*RECITALS*

- A. Landlord and Tenant entered into that certain NNN Lease dated September 16, 2013 ("original Lease") whereby Tenant leases approximately 1,321 rentable square feet of the building commonly known and referred to as the Ferry Building Terminal West located at 289 Mare Island Way (Premises") for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages.
- B. Landlord and Tenant entered into that certain First Amendment dated February 2, 2017 ("First Amendment") whereby Tenant renewed the first of three successive renewal options for five (5) years each.
- C. Landlord and Tenant entered into that certain Second Amendment dated August 6, 2017 ("Second Amendment") whereby Tenant exercised the option to expand into the premises formerly occupied by the Vallejo Convention and Visitor's Bureau—Suite A and an adjacent open space, which together comprise of approximately 1,100 square feet ("Expanded Premises"), pursuant to Section 22 (Option to Expand) of the Addendum to the original Lease. The Expanded Premises does not include the informational booth located within Suite A that will continue to be occupied by the Vallejo Convention and Visitor's Bureau.
- D. Landlord and Tenant entered into that certain Third Amendment dated September 11, 2017 ("Third Amendment") whereby Tenant retrofitted the Visit Vallejo space and provided other improvements and in compensation for such work were granted free rent through November 1, 2017.
- E. Landlord and Tenant entered into that certain Fourth Amendment dated October 1, 2018 ("Fourth Amendment") whereby Tenant was granted a base rent reduction of \$550 per month for a specific term which commenced on October 1, 2018, and expired on March 31, 2022 ("Monthly Rent Reduction"), as compensation for utility upgrades and other improvements to the Premises.
- F. Tenant desires to enter into a sublease with the San Francisco Bay Area Water Emergency Transportation Authority ("WETA") and the Vallejo Convention and Visitors Bureau ("VCVB") to reconfigure the respective parties' rented premises inside the Vallejo Ferry Terminal Building. Section 15 of the original Lease requires Tenant to obtain Landlord's prior written approval in order to do so.

- G. The original Lease, the First Amendment, Second Amendment, Third Amendment, Fourth Amendment, and this Fifth Amendment are collectively referred to herein as the "Lease". There have been no other amendments to or modifications of the Lease.

NOW, THEREFORE, in consideration of the foregoing recitals and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Landlord and Tenant hereby agree as follows:

**1. Consent Granted for Sublease.**

Landlord hereby consents to allow Tenant to enter into a Sublease by and between Tenant, WETA, and VCVB for the purpose of reconfiguring the interior space of the respective parties' rented premises and for no other purpose. There shall be no change to Tenant's, WETA's, or VCVB's Base Rents. Said Sublease is attached hereto as **Exhibit "A"** and incorporated herein by reference.

**2. Ratification; Entire Agreement.**

Landlord and Tenant do hereby ratify and affirm all of the terms, conditions and covenants of the Lease as amended by this Fifth Amendment. The original Lease, First Amendment, Second Amendment, Third Amendment, Fourth Amendment, together with this Fifth Amendment, along with any exhibits and attachments to the original Lease and Amendments do hereto constitute the entire agreement between the Landlord and Tenant relative to the Premises and the Expanded Premises. The Lease may be altered, amended, or revoked only by an instrument in writing signed by both Landlord and Tenant.

**3. Binding Effect.**

This Fifth Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, executors, successors, and/or assigns, subject to Section 3 herein and the provisions of the Lease.

**4. Governing Law.**

This Fifth Amendment shall be governed by and construed in accordance with the laws of the State of California.

**5. Counterparts.**

This Fifth Amendment may be executed by one or more of the parties to this Fifth Amendment on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

**SIGNATURES ON THE FOLLOWING PAGE**



IN WITNESS WHEREOF, the parties hereto have duly executed and delivered this Fifth Amendment, all as of the day and year first written above.

LLANDLORD:

CITY OF VALLEJO, a municipal corporation

By: \_\_\_\_\_

Name: Nalungo Conley

Its: Assistant City Manager

Date: \_\_\_\_\_

By: \_\_\_\_\_

Name: Gillian Haen

Its: Assistant City Manager

Date: \_\_\_\_\_

TENANT:

MARE ISLAND BREWING CO, LLC  
a California limited liability company

By: \_\_\_\_\_

Kent Fortner

Its: President

Date: \_\_\_\_\_

APPROVED AS TO FORM AND INSURANCE:

(City Seal)

By: \_\_\_\_\_

Veronica Nebb, City Attorney

ATTEST:

By: \_\_\_\_\_

Dawn G. Abrahamson, City Clerk

**EXHIBIT A**

[Attach Sublease]

## SUBLEASE AGREEMENT

THIS SUBLEASE AGREEMENT ("**Sublease**") is made and entered into on \_\_\_\_\_, 2026 ("**Effective Date**"), by and between the San Francisco Bay Area Water Emergency Transportation Authority ("**WETA**"), Mare Island Brewing Co. ("**MIBC**"), and Vallejo Convention and Visitors Bureau ("**VCVB**") (each a "**Party**" or collectively, the "**Parties**").

A. WETA, MIBC, and VCBC each rent space from the City of Vallejo ("**City**") in a building commonly known and referred to as the Vallejo Ferry Terminal Building, in Vallejo, California, 94590. Specifically, WETA leases approximately 468 rentable square feet comprising a portion of the ground floor of the Vallejo Ferry Terminal Building ("**WETA's Premises**"), VCVB leases approximately 83 rentable square feet comprising a portion of the ground floor of the Vallejo Ferry Terminal Building ("**VCVB's Premises**"), and MIBC leases approximately 3074 rentable square feet comprising a portion of the ground floor of the Vallejo Ferry Terminal Building ("**MIBC's Premises**").

B. The Parties intend to reconfigure the parties' respective portions of the leased premises according to the terms and conditions herein.

The Parties therefore agree as follows:

### 1. REVISED PREMISES.

(a) WETA will sublet WETA's Premises (its current Vallejo Ticket Office space- E2 and E3 on Exhibit 1.A- 468 square feet) to MIBC with no improvements. MIBC's Base Rent for WETA's Premises will be the amount MIBC currently pays for MIBC's Premises (\$.86/mo./sq. ft in Base Rent, plus \$.20/mo./sq. ft in NNNs, for a total of \$496/mo.), subject to annual CPI adjustment.

(b) VCVB will sublet VCVB's Premises (E1 on Exhibit 1.A- 83 square feet) to MIBC. MIBC will assume VCBC's lease and become responsible for VCVB's Base Rent for the space as paid to the City (\$50/mo. Base Rent plus \$50/mo. in NNN for a total of \$100/mo.). MIBC will utilize the existing VCVB Premises for take-out service aimed at ferry passengers.

(c) MIBC will sublet space within the WETA's former Premises to VCVB (E2 on Exhibit 1.A- 83 square feet), at the rate VCVB currently pays to the City (\$50/mo. for Base Rent plus \$50/mo. NNNs for a total of \$100) to share tourism and ferry information with the public.

2. **RENT.** The net effect of this Sublease will be revenue neutral to the City. The sum of the rents and common area expenses collected by the City will continue at their current rates, without change. The Parties will pay rent and Common Area Expenses as follows:

(a) The Parties will remain responsible for their existing "Tenant's Share" of Common Area Expenses as defined and described in each Party's respective lease agreement.

(b) WETA will continue to pay its rent commitments and Common Area Expenses to the City as per its existing lease.

(c) MIBC will pay to WETA for 418 square feet at a rent rate and common area expenses that match MIBC's existing rates in its lease with the City.

(d) MIBC will pay to the City VCVB's current rent rate and common area expenses for VCVB's existing square footage.

3. **TERM.** This Sublease shall commence on the Effective Date and will continue for three (3) years, unless extended by mutual agreement of the Parties, with the City's consent.

4. **ADDITIONAL OBLIGATIONS.**

(a) VCBC's sublease from MIBC will include permanent presence at one of the customer service windows and access to the space's private restroom.

(b) VCVB will provide information including ticket sale information for ferry passengers.

(c) MIBC will participate in up to three annual promotions specifically tailored toward ferry passengers. This will be a collaborative effort with WETA staff and could include special discounts for ferry riders, promotion of WETA service through tickets distributed at MIBC's Solano County locations, ferry discounts offered to loyalty club members and other ideas mutually beneficial to the parties.

5. **CONDITION OF PREMISES.** Unless otherwise agreed, the premises will be subleased "AS IS" in its present physical condition as of the Effective Date of this Sublease. The Parties will disclose known material facts and defects affecting the subleased premises and make other disclosures required by law to the City and to each other, as applicable. Each party is advised to conduct investigations of the subleased premises in order to determine its present condition since the may not be aware of all defects affecting the subleased premises or other factors that sublessees consider important and shall disclose any material defects discovered to the other Parties and to the City.

6. **ALTERATIONS AND IMPROVEMENTS.** The Parties shall make no alterations to the building or improvements to the premises or construct any building or make any other improvements or alterations to or on the Premises without the prior written consent of the City.

7. **UNDERLYING LEASE AGREEMENTS.** By its signature below, the City consents to the terms of this Sublease. The Parties hereby acknowledge that this Sublease is subject to the terms and conditions of each party's Lease Agreement with the City.

8. **MAINTENANCE, REPAIR.** The maintenance of the subleased premises, minor repairs and servicing shall be the responsibility and sole expense of the sublessee.

9. **BROKERS; REPRESENTATION.** None of the Parties worked with a broker in drafting this sublease.

10. **DEFAULT.** If any Party fails to comply with any of the material provisions of this Sublease or materially fails to comply with any duties imposed on them by statute, that Party may terminate this Sublease thirty (30) days after delivery of written notice to the defaulting Party specifying the noncompliance and indicating their intention to terminate the Sublease as to those premises by reason thereof.

11. **SEVERABILITY.** Should any provision of this Sublease or any part thereof be found illegal, invalid, or otherwise unenforceable, all the remaining provisions not found as such, in so far as practicable shall remain valid to the maximum extent permitted by law.

12. **BINDING EFFECT.** The covenants, obligations, and conditions herein contained shall be binding on and inure to the benefit of the heirs, legal representatives, and assigns of each of the parties hereto.

13. **DISPUTES.** If a dispute arises between the Parties during the term of this Sublease, the Parties agree to negotiate amongst themselves in "good faith" before initiating any litigation.

14. **LIABILITY.** At the end of the Term of this Sublease, the Parties shall deliver the premises and all that is included therein to their respective sublessor(s) in the condition in which it was delivered, save for reasonable wear and tear. Sublessees shall be liable for any and all damage to the subleased premises beyond ordinary wear and tear.

15. **ENTIRE AGREEMENT.** This Sublease and Exhibit 1.A, attached hereto and incorporated by reference, constitute the complete and entire agreement between the Parties concerning the sublease of the premises. There are no oral agreements, understandings, promises, or representations between the Parties affecting this Sublease. All prior negotiations and understandings, if any, between the Parties hereto with respect to the premises and the total building facilities shall be of no force or effect and shall not be used to interpret this Sublease. No provision or agreement modifying or pertaining to any issue, right or obligation mentioned herein shall be valid or effective without clear and explicit agreement of the Parties in writing and prior written consent of the City.

**IN WITNESS WHEREOF**, the Parties have executed this Sublease in multiple originals as of the undersigned date(s).

**San Francisco Bay Area Water Emergency Transportation Authority**

\_\_\_\_\_  
By: Seamus Murphy  
Its: Executive Director

Date: \_\_\_\_\_

**Vallejo Convention and Visitors Bureau**

\_\_\_\_\_  
By: Kirk Smith  
Its: Executive Director

Date: \_\_\_\_\_

**Mare Island Brewing Company**

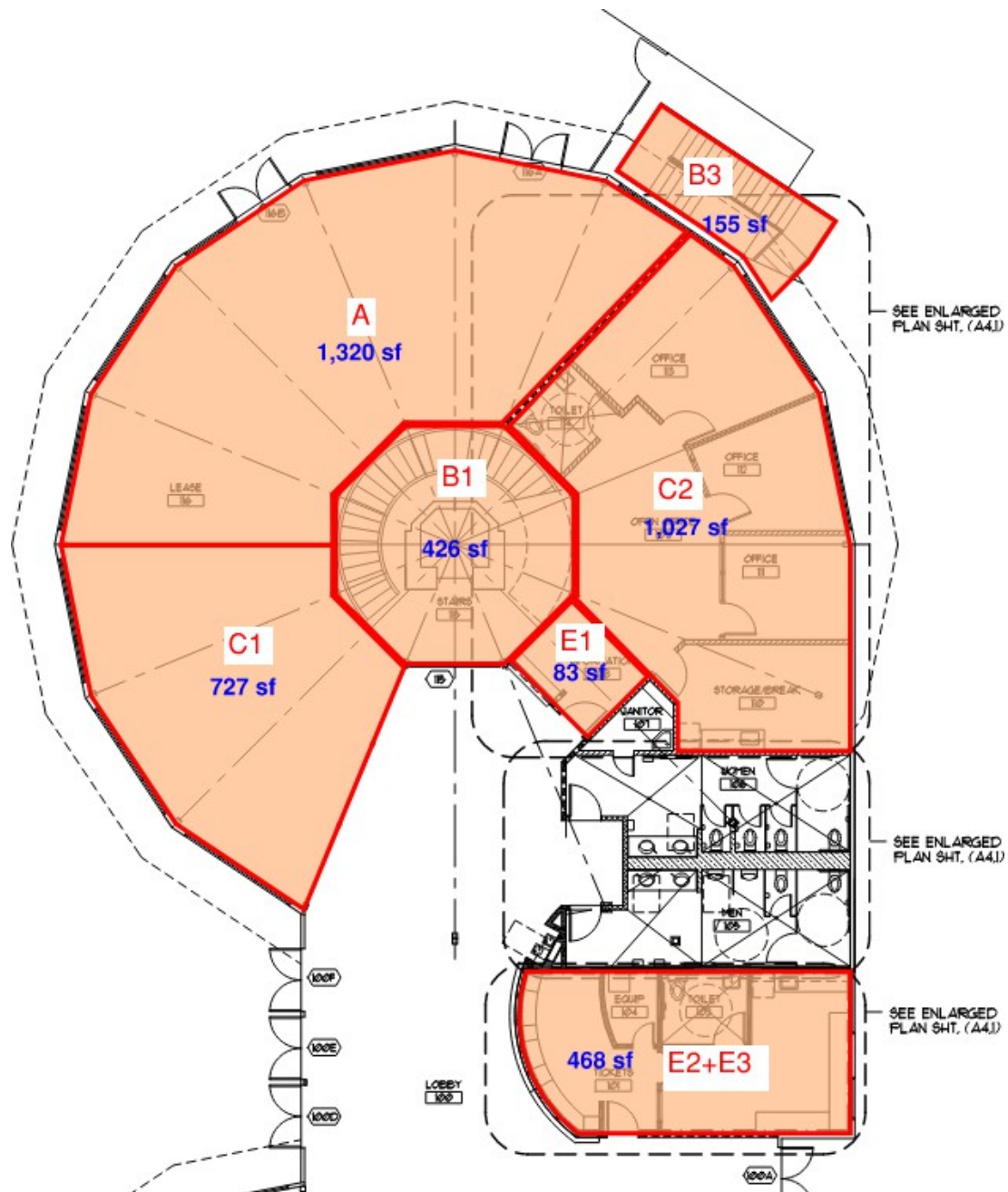
\_\_\_\_\_  
By: Kent Fortner  
Its: Managing Member of LLC

Date: \_\_\_\_\_

**EXHIBIT 1.A**

*[Ferry Terminal Leasable Area Diagram]*

FERRY TERMINAL LEASABLE AREA







**MEMORANDUM**  
**Economic Development Department**  
**Real Property & Asset Management**

---

**DATE:** September 26, 2013

**TO:** ✓ 1. Director of Economic Development  
✓ 2. City Attorney/Risk Management  
3. City Manager  
4. City Clerk

**FROM:** Yvette Burrell, Real Property & Asset Management

**SUBJECT:** Lease Agreement By and Between City of Vallejo and Mare Island Brewing Co. LLC

---

Attached please find the Lease Agreement By and Between City of Vallejo and Mare Island Brewing Co. LLC and all supporting documentation.

I have reviewed this Lease Agreement and am attaching 3 complete copies for your signatures. Once you have signed, please forward to next designee on the routing list above. Please return 2 fully executed copies to me.

Thank you.

A handwritten signature in cursive script that reads "Yvette".

**NNN LEASE**

**By and Between**

CITY OF VALLEJO  
a California municipal corporation  
(**"Landlord"**)

and

Mare Island Brewing Co. LLC  
(**"Tenant"**)

Dated: 9-16, 2013

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**NNN LEASE**  
**(MULTI-TENANT BUILDING)**

**BASIC LEASE INFORMATION**

1. Landlord: City of Vallejo, a California municipal corporation  
555 Santa Clara Street  
Vallejo, CA 94590  
Attn: Economic Development Department  
Telephone: (707) 648-4343  
Facsimile: (707) 648-4499
2. Tenant: Mare Island Brewing Co. LLC  
1175 Azuar Avenue, Quarters U  
Vallejo, CA 94592  
Kent Fortner, President  
Telephone: (707) 649-1200 office, (707) 738-2376 cell
3. Effective Date: SEPT. 16, 2013
4. Premises: Approximately 1,321 rentable square feet comprising that certain section of the building commonly known and referred to as the 289 Mare Island Way, Suite G, Vallejo, CA 94590, of Ferry Building Terminal West (the "**Premises**"). Premises are described; as the glass enclosed retail area. The property is offered in its current, existing, "as-is" condition. The City has provided tenant improvement allowances, or rent credits in lieu of a tenant improvement allowance subject to Lease Section 3.3. Tenant shall also have a license to use the certain exterior Deck Area subject to Lease Section 1.3.
5. Permitted Uses: Small Beer Manufacturer - for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages. On-site food preparation limited to micro-wave, steamers and hot plate served by a Class II hood. Private parties and live music will be permitted. Special events may be catered. Tenant's specific use or change of use, subject to any applicable or required approvals, permits and licenses, from the City of Vallejo.
6. Initial Term: Three (3) year lease term commencing as of 09/01/2013 – estimated ("**Commencement Date**"). Commencement date is the first day of the month following the date Tenant commences construction.
7. Option: Landlord will consider options to extend pursuant to Addendum to Lease Sec. 21.1 Terms of Option.

8. Base Rent: \$1,122.85 per month (1,321 s.f. @ \$.85 per square foot), plus applicable percentage rent and triple net expenses assessed at \$.20 /sf/mo. (NNN). Any additional term or occupancy of the Premises will be subject to actual CPI increase over the previous period, capped at 3.0%.
9. Security Deposit: A cash sum equal to one (1) month's rent will be required to be deposited with the City concurrently with Tenant's execution of the lease, as security for the performance of the Tenant's obligations under the lease.
10. Insurance: Prior to execution of lease Tenant to provide proof of insurance.

The Basic Lease Information set forth above and the Exhibits attached hereto are incorporated into and made a part of the following Lease control.

LANDLORD'S INITIALS 

TENANT'S INITIALS 

## NNN LEASE

### ( MULTI-TENANT BUILDING)

This Lease Agreement ("**Lease**") is made and entered into as of the effective date specified in Section 3 of the Basic Lease Information, above ("**Effective Date**"), by and between the City of Vallejo, a municipal corporation of the State of California ("**Landlord**"), and the tenant identified in Section 2 of the Basic Lease Information ("**Tenant**").

#### 1. **PREMISES.**

1.1. **Premises.** Landlord is the owner of the land parcel(s) on which the Premises are located (the "**Property**"). A legal description of the Property is attached hereto and incorporated by reference as **Exhibit A-1**. Landlord hereby leases to Tenant, and Tenant leases from Landlord, the Premises together with Tenant Improvements (defined below), if any. A drawing depicting the general location and layout of the demised Premises is attached hereto and incorporated by reference as **Exhibit A-2**. Any improvements or alterations existing in the Premises, or otherwise constructed by Tenant or on Tenant's behalf therein (whether under this Lease, or any prior lease or sublease) are referred to in this Lease as "**Tenant Improvements.**" Tenant is familiar with the existing condition of the Property, Premises, and any Tenant Improvements, and acknowledges that Landlord has made no representation or warranty regarding the condition of the Tenant Improvements, Premises, Property, or any portion thereof, except as specifically stated in this Lease. Notwithstanding the foregoing, Landlord will not be obligated to deliver possession of the Premises to Tenant (but Tenant will be liable for rent if Landlord can otherwise deliver the Premises to Tenant) until the City Council of Landlord has approved the Lease and Landlord has received from Tenant all of the following: (i) a copy of this Lease fully executed by Tenant, (ii) the Security Deposit and the first installment of Monthly Basic Rent and Additional Rent; and (iii) copies of policies of insurance or certificates thereof as required under this Lease.

1.2. **Landlord's Reserved Rights.** Landlord reserves the right to enter the Premises upon reasonable notice to Tenant (except that advance notice shall not be required in case of an emergency) for the following purposes) (i) to inspect the condition of the Premises; (ii) to ascertain the performance by Tenant of the terms and conditions hereof; (iii) to respond to an emergency at the Premises; (iv) to maintain, inspect and repair the Premises to the extent required or permitted under this Lease; (v) to post notices of non-responsibility for alterations, additions or repairs undertaken by Tenant; (vi) to show the Premises to prospective tenants or purchasers or persons acting on their behalf; (vii) to post a leasing sign in or about the Premises; and (viii) to perform any other right or duty of Landlord under this Lease. Landlord may exercise this right of entry without any abatement of Rent to Tenant for any loss of occupancy or quiet enjoyment of the Premises.

1.3. **Deck Area License.** Landlord and Tenant agree that the Deck Areas comprised of the adjacent back patio, the observation deck access (elevator/stairwell) and the entire observation deck, subject to posted weight limits, are not part of the premises. However, Landlord shall grant Tenant a license ("**Deck Area License**") to use certain deck areas as agreed upon by Landlord and Tenant for outside dining ("**Deck Areas**"), subject to the following



conditions precedent: (i) in accordance with the Work Letter, Tenant shall prepare plans for construction, repair, and rehabilitation of the Deck Areas (including proposed delineation of the Deck Areas) and shall submit such plans for Landlord's approval ("**Deck Repairs**"); (ii) Tenant shall obtain all necessary permits and approvals; and (iii) Tenant shall insure the Deck Areas and indemnify Landlord in connection therewith as if the Deck Areas were Premises for purposes of Sections 6.2 and 7 of this Lease. In addition to the foregoing, all provisions of Section 9, below, shall apply to such Deck Repairs. The license for the Deck Area shall run concurrent with the Term of this Lease.

## **2. TERM.**

2.1. Term; Commencement Date. The "**Initial Term**" of this Lease shall be as set forth in Section 6 of the Basic Lease Information and shall commence as of the Commencement Date set forth in Section 6 of the Basic Lease Information. The Initial Term together with any Renewal Term(s), if any, are collectively referred to herein as the "**Term**."

2.2. FTA General Provisions. Tenant acknowledges and agrees that this Lease is subject to the terms and conditions contained in the FTA General Provisions attached hereto as Exhibit D and incorporated by reference. In the event of a conflict, as reasonably determined by Landlord, between this Lease and the FTA General Provisions, the FTA General Provisions shall control.

## **3. RENT; SECURITY DEPOSIT**

3.1. Base Rent, Rent. All Rent under this Lease shall commence as of the Commencement Date. Rent shall be paid as set forth in this Section 3. Tenant shall pay to Landlord, at Landlord's address for payment of Rent designated in Section 1 of the Basic Lease Information, or at such other address as Landlord may from time to time designate in writing to Tenant for the payment of Rent, the Base Rent designated in Section 7 of the Basic Lease Information, without notice, demand, offset or deduction, in advance, on the first day of each month of the Term. Upon execution of this Lease, Tenant shall pay to Landlord the first month's Base Rent. The term "**Rent**" means the Base Rent and all Additional Rent payable as provided in Section 3.2. If Rent is due for a period of less than a full month, it shall be prorated for such partial month on the basis of a 30-day month.

3.1.1 Application of Payments. All payments received by Landlord from Tenant shall be applied to the oldest obligation owed by Tenant to Landlord. No designation by Tenant, either in a separate writing, on a check or money order, or otherwise shall modify this clause or have any force or effect.

3.1.2 Late Charge and Interest. The late payment of any Rent will cause Landlord to incur additional costs, including administration and collection costs and processing and accounting expenses ("**Delinquency Costs**"). If Landlord has not received any installment of Rent within five (5) days after such amount is due, Tenant shall pay a late charge of ten percent (10%) of the delinquent amount immediately. The ten percent (10%) late charge represents a reasonable estimate of the Delinquency Costs incurred by Landlord. In addition, all such delinquent amounts shall bear interest from the date such amount was due until paid in full

at a rate per annum ("**Applicable Interest Rate**") equal to the lesser of (a) the maximum interest rate permitted by Law or (b) five percent (5%) above the rate publicly announced by Bank of America, N.A. (or if Bank of America, N.A. ceases to exist, the largest bank then headquartered in the State of California) ("**Bank**") as its "**Reference Rate**." If the use of the announced Reference Rate is discontinued by the Bank, then the term Reference Rate shall mean the announced rate charged by the Bank which is, from time to time, substituted for the Reference Rate. Landlord and Tenant recognize that the damage which Landlord shall suffer as a result of Tenant's failure to pay such amounts is difficult to ascertain and said late charge and interest are the best estimate of the damage which Landlord shall suffer in the event of late payment. Landlord's acceptance of late Rent, partial Rent and late charges does not equate with a waiver of Tenant's default with respect to the overdue amount, or prevent Landlord from exercising any rights and remedies available under this Lease and/or by operation of Law.

3.2. Additional Rent. In addition to paying the Base Rent, Tenant shall pay as "**Additional Rent**" any Taxes as provided in Section 5, costs of Landlord's Insurance as provided in Section 6.1, and any other amounts of any kind that become due or payable by Tenant to Landlord under the terms of this Lease. Unless Landlord elects otherwise pursuant to this Lease, all amounts due under this Section 3.2 as Additional Rent are payable monthly on the first day of each calendar month during the Term. Tenant's obligation to pay Rent under this Lease survives the Term to the extent such obligation has not been fulfilled during the Term. In addition, Landlord reserves the right to charge Tenant and Tenant shall pay for any Utilities as described in Section 4 not directly paid by Tenant to the utility company.

3.3. Rent Offset. Subject to Section 3.3.1, Landlord shall provide Tenant with a "Rent Offset" for Improvement Work according to the following schedule:

Year 1: Eleven Thousand Dollars (\$11,000), offset against Base Rent on an equalized monthly basis.

3.3.1 Rent Offset Limits. Landlord and Tenant acknowledge and agree that the Rent Offset is contingent upon installation and completion of the Improvement Work in accordance with the Work Letter. In no event shall Tenant be entitled to receive any (i) up-front or other cash payment in lieu of the Rent Offset, (ii) any Rent Offset for sums not approved or Improvement Work not pre-approved by Landlord, (iii) any Rent Offset for any other Tenant Work or other alterations, additions, or other improvements to the Premises or Deck Areas or otherwise, or (iv) any other credits or reimbursements for any portion of the Rent Offset not utilized or recovered by Tenant as set forth above. The Rent Offset (regardless of whether or not fully or partially utilized or recovered by Tenant) shall expire on the day before the first anniversary of the Commencement Date.

3.4. Security Deposit. The cash sum specified under Section 8 of the Basic Lease Information, if any, shall be deposited with Landlord concurrently with Tenant's execution of this Lease ("**Security Deposit**"). Landlord shall hold the Security Deposit as security for the performance of Tenant's obligations under this Lease. Tenant is not entitled to any interest on the Security Deposit and Landlord shall not be liable therefor. If Tenant defaults on any provision of this Lease, Landlord may, at its election and without prejudice to any remedy it has under this Lease or by operation of Law, apply all or part of the Security Deposit to: (i) Rent or

other sum in default; (ii) any amount that Landlord may spend or become obligated to spend in exercising Landlord's rights under this Lease; (iii) unamortized costs of improvements paid for by Landlord, if any; (iv) unamortized costs of brokerage commissions; or (v) any expense, loss or damage that Landlord may suffer because of Tenant's default. Tenant waives the provisions of California Civil Code section 1950.7, and all Laws in force or that become in force after the date of execution of this Lease, that provide that Landlord may claim from a security deposit only those sums reasonably necessary to remedy defaults in the payment of Rent, to repair damage caused by Tenant, or to clean the Premises. Landlord may, in addition, claim those sums reasonably necessary to compensate Landlord for any other foreseeable or unforeseeable loss or damage caused by the act or omission of Tenant, or of Tenant's officers, agents, employees, independent contractors, invitees, customers, licensees, assignees or subtenants (individually and collectively, "**Tenant's Parties**").

3.4.1 Restoration of Security Deposit; Return of Security Deposit. If Landlord applies any portion of the Security Deposit during the Term, Tenant shall, within ten (10) days after demand by Landlord, deposit with Landlord an amount sufficient to restore the Security Deposit to its original amount. If Tenant performs every provision of this Lease to be performed by Tenant, the unused portion of the Security Deposit, if any, shall be returned to Tenant or the last assignee of Tenant's interest under this Lease within thirty (30) days following the expiration or termination of the Term.

3.4.2 Transfer of Security Deposit; Assignment or Encumbrance of Security Deposit. If Landlord disposes of its interest in the Premises, Landlord may deliver the remaining Security Deposit to Landlord's successor in interest in the Premises and thereupon be relieved of further responsibility with respect to the Security Deposit. Tenant may not assign or encumber the Security Deposit without the prior written consent of Landlord. Any attempt to do so shall be void and shall not be binding on Landlord.

#### 4. UTILITIES.

4.1. Tenant Utility and Service Costs. Tenant, at Tenant's sole cost and expense, shall be responsible and directly contract and pay for any and all utilities and services required or desired by Tenant in connection with its use or occupancy of the Premises, including: (i) heat and air conditioning; (ii) water; (iii) elevator or lift service, if any; (iv) electricity; (v) telephone, computer, communications; (vi) trash pick-up; and (vii) any other materials, services, or utilities (individually and collectively, the "**Services**").

4.2. Conservation and Use Policies. Tenant, at its expense, shall comply with federal, state, or local governmental controls, rules, regulations, or restrictions on the use or consumption of energy or other utilities during the Term.

4.3. No Furnished Services. Landlord shall have no obligation to provide any Services to the Premises. Notwithstanding the foregoing, if Landlord, in Landlord's sole discretion, elects to provide Services, Tenant shall pay to Landlord upon demand the cost of any and all Services furnished to Tenant; the cost of installing, maintaining and repairing equipment and/or facilities for the delivery of such Services, if any; and any cost incurred by Landlord in keeping account of or determining such Services in accordance with rates established by

Landlord, and Landlord may discontinue such Services upon thirty (30) days prior written notice to Tenant. If any Services are provided, Landlord, at its election, may cause an electrical or water meter (including, without limitation, any additional wiring, conduit or panel required therefor) to be installed (and Tenant shall pay to Landlord upon demand the cost therefor) to measure use of Services consumed by Tenant.

4.4. Exculpation of Liability. Landlord is not obligated to furnish any security patrol or any other Services to Tenant, and shall not be liable for any loss or damage suffered by Tenant or others, by reason of Landlord's failure to furnish or election to discontinue providing any security patrol or any of the Services. Landlord makes no representation with respect to the presence, adequacy or fitness of the heating, air conditioning or ventilation equipment on or about the Premises to maintain temperatures which may be required for, or because of, any equipment of Tenant. The exculpation of liability under this Section 4.4 shall not apply to the extent claims are caused by Landlord's sole or active negligence or willful misconduct.

## 5. TAXES.

5.1. Taxes. As used in this Lease "**Taxes**" means Property Taxes, Possessory Interest Taxes and Personal Taxes. Tenant's obligations for Taxes for the last full or partial year of the Term and for any prior unpaid Taxes shall survive the expiration or earlier termination of this Lease.

5.2. Property Taxes. Although no Property Taxes are currently assessed, in the event they are assessed, whether due to a change in ownership or otherwise, Tenant shall pay such Property Taxes pursuant to Section 5.5. "**Property Taxes**" means and includes all of the following: all real property taxes, public infrastructure improvement assessments or any other assessments, levies, fees, exactions or charges, general and special, ordinary and extraordinary, unforeseen as well as foreseen (including fees "in lieu" of any such tax or assessment) which are assessed, levied, charged, conferred or imposed by any public authority upon the Property) or its operations, together with all taxes, assessments or other fees imposed by any public authority upon or measured by any Rent or other charges payable hereunder, including any gross receipts tax or excise tax levied by any governmental authority with respect to receipt of rental income, or upon, with respect to or by reason of the development, possession, leasing, operation, management, maintenance, alteration, repair, use or occupancy by Tenant of the Premises or any portion thereof, together with any tax imposed in substitution, partially or totally, of any tax previously included within the aforesaid definition or any additional tax the nature of which was previously included within the aforesaid definition. Nothing contained in this Lease shall require Tenant to pay any franchise, corporate, estate or inheritance tax of Landlord, or any income, profits or revenue tax or charge upon the net income of Landlord. Landlord shall deliver to Tenant copies of the assessment and tax bill from the applicable taxing authority.

5.3. Possessory Interest Taxes. This Lease creates a possessory property interest in Tenant. Tenant's property interest may be subject to property taxation, and Tenant or the party in whom the possessory interest is vested shall be responsible for payment of any and all property taxes levied on the interest (collectively, "**Possessory Interest Taxes**").

5.4. Personal Taxes. Tenant shall pay directly to the taxing authority all taxes and assessments levied upon the trade fixtures, alterations, additions, improvements, partitions, cabling, wiring, furniture, equipment, inventories and other personal property located and/or installed on the Premises by or on behalf of Tenant (individually and collectively "**Tenant's Property**") and any Tenant Improvements (collectively, "**Personal Taxes**").

5.5. Payment of Taxes. Tenant shall pay all Taxes prior to delinquency. To the extent any such taxes are not separately assessed or billed to Tenant by the taxing authority, Landlord shall deliver to Tenant copies of the assessment and tax bill. Tenant shall pay such amount directly to the taxing authority no later than ten (10) business days prior to the date on which such Taxes are due. Should Tenant fail to pay its Taxes, Landlord may elect to do so on Tenant's behalf within five (5) days of Landlord's demand therefor. Tenant shall reimburse Landlord for such Taxes and any penalties and fines, together with interest at the Applicable Interest Rate, from the date Landlord tendered payment.

## 6. INSURANCE.

6.1. Landlord. Landlord may elect to self-insure, jointly-insure, or maintain insurance or an insurance equivalent (including, but not limited to, that offered to a municipality through and by a joint powers authority, a self-insurance pool of liability coverage authorized pursuant to California Government Code Section 6500, or similar collective) insuring the Premises (excluding Tenant's Property and any Tenant Improvements) on an occurrence basis against fire and extended coverage (including, if Landlord elects, "all risk" coverage, earthquake/volcanic action, flood and/or surface water insurance) similar in type and coverage limits to that carried by Landlord on its other properties. At Landlord's option, such insurance or insurance equivalent may be carried under any blanket or umbrella policies or other insurance or insurance equivalent which Landlord has in force for other buildings or projects. Landlord may also carry such other insurance as Landlord may deem prudent or advisable, in such amounts and on such terms as Landlord shall determine. All such insurance or insurance equivalent maintained by Landlord pursuant to this Section 6.1 is referred to herein as "**Landlord's Insurance.**" Landlord's Insurance shall not, under any circumstances, include Tenant's Property, any Tenant Improvements, or other items required to be covered by Tenant's Insurance. The cost of Landlord's Insurance shall be paid by Tenant as a component of Additional Rent pursuant to Section 3.2.

6.2. Tenant. Tenant shall, at Tenant's expense, obtain and keep in force at all times during the Term the following "**Tenant's Insurance,**" and shall be liable for all premiums, deductibles, and self-insured amounts, if any, in connection therewith. Tenant's Insurance shall not have a deductible amount exceeding Five Thousand Dollars (\$5,000).

6.2.1 Commercial General Liability Insurance (Occurrence Form). A policy of commercial general liability insurance (occurrence form) having a combined single limit of not less than Two Million Dollars (\$2,000,000) per occurrence and Two Million Dollars (\$2,000,000) annual aggregate, providing coverage for, among other things, blanket contractual liability (including Tenant's indemnification obligations under this Lease), premises liability, products and completed operations liability, owner's protective coverage, broad form property damage, and bodily injury (including wrongful death). The policy shall be endorsed for

dram shop or liquor liability. If necessary, Tenant shall provide for restoration of the aggregate limit.

6.2.2 Automobile Liability Insurance. Comprehensive automobile liability insurance having a combined single limit of not less than Two Million Dollars (\$2,000,000) per occurrence and insuring Tenant against liability for claims arising out of the ownership, maintenance, or use of any owned, hired, or non-owned automobiles.

6.2.3 Workers' Compensation and Employer's Liability Insurance. Workers' compensation insurance, if required by Law, which complies with all applicable state statutes and regulatory requirements, and employer's liability insurance coverage in statutory amounts.

6.2.4 Property Insurance. "All risk" property insurance including fire and extended coverage, sprinkler leakage, vandalism and malicious mischief coverage, covering damage to or loss of any portion of Tenant's Property or any Tenant Improvements (together with, if the property of Tenant's invitees is to be kept in the Premises, warehouse's legal liability or bailee customers insurance property belonging to invitees and located in or about the Premises), in an amount not less than the full replacement cost thereof. In the event that there shall be a dispute as to the amount which comprises full replacement cost, the decision of Landlord or the mortgagees of Landlord shall be presumptive.

6.2.5 Other Insurance. Any other form or forms of insurance as Landlord or the mortgagees of Landlord may reasonably require from time to time, in form, amounts and for insurance risks against which a prudent tenant would protect itself, but only to the extent such risks and amounts are available in the insurance market at commercially reasonable costs.

### 6.3. General.

6.3.1 Insurance Companies. Tenant's Insurance shall be written by companies licensed to do business in California and having a "General Policyholders Rating" of at least A-VII (or such higher rating as may be required by a lender having a lien on the Premises) as set forth in the most current issue of "Best's Insurance Guide."

6.3.2 Certificates of Insurance. Tenant shall deliver to Landlord certificates of insurance for Tenant's Insurance, in the form of the ACORD standard certificate of insurance, prior to the Commencement Date. Tenant shall, at least thirty (30) days prior to expiration of the policy, furnish Landlord with certificates of renewal or "binders" thereof. Each certificate shall expressly provide that such policies shall not be cancelable or otherwise subject to modification except after thirty (30) days' prior written notice to the parties named as additional insureds as required in this Lease. If Tenant fails to maintain any insurance required in this Lease, Tenant shall be liable for all losses and cost resulting from said failure.

6.3.3 Additional Insureds. Landlord and any property management company of Landlord for the Premises shall be named as additional insureds on the commercial general liability policy required by Section 6.2.1. An additional insured endorsement naming such parties as additional insured(s) shall be attached to the certificate of insurance.

6.3.4 Primary Coverage. Tenant's Insurance shall be primary, without right of contribution from any Landlord's Insurance.

6.3.5 Umbrella/Excess Insurance. Any umbrella liability policy or excess liability policy shall provide that if the underlying aggregate is exhausted, the excess coverage will drop down as primary insurance. The limits of Tenant's Insurance shall not limit Tenant's liability under this Lease.

6.3.6 Waiver of Subrogation. Tenant waives any right to recover against Landlord for claims for damages to Tenant's Property or any Tenant Improvements to the extent covered (or required by this Lease to be covered) by Tenant's Insurance. This provision is intended to waive fully, and for the benefit of Landlord, any rights and/or claims which might give rise to a right of subrogation in favor of any insurance carrier. The coverage obtained by Tenant pursuant to this Lease shall include a waiver of subrogation endorsement attached to the certificate of insurance.

6.3.7 Notification of Incidents. Tenant shall notify Landlord within twenty-four (24) hours after the occurrence of any accident or incident on or about the Property or any portion thereof which could give rise to a claim against Landlord, Landlord's Insurance, Tenant, or Tenant's Insurance, except that Tenant shall not be obligated to give Landlord notice of any accident or incident which could give rise to a claim under Tenant's workers' compensation insurance. Tenant's notice shall be accompanied by a copy of any report(s) relating to the accident or incident.

6.3.8 Compliance With Insurance Requirements. Tenant shall not do anything in the Premises, or bring or keep anything therein, or subject the Property or any portion thereof to any use which would damage the same or increase the risk of loss or fire, or violate Landlord's Insurance, or Tenant's Insurance, or which shall conflict with the regulations of the fire department or any Laws or with any insurance policy on the Premises or any part thereof, or with any rules or regulation established by any administrative body or official having jurisdiction. Tenant shall promptly comply with the reasonable requirements of any board of fire insurance underwriters or other similar body now or hereafter constituted.

## **7. INDEMNITY; LIABILITY EXEMPTION.**

7.1. Indemnity. Except to the extent claims are caused by Landlord's sole or active negligence or willful misconduct, Tenant shall indemnify, protect, defend, and hold harmless Landlord and its elected officials, officers, employees, volunteers, lenders, agents, representatives, contractors and each of their successors and assigns from and against any and all claims, judgments, causes of action, damages, penalties, costs, liabilities, and expenses, including all costs, attorneys' fees, expenses and liabilities incurred in the defense of any such claim or any action or proceeding brought thereon, arising at any time during or after the Term as a result (directly or indirectly) of or in connection with (i) any default in the performance of any obligation on Tenant's part to be performed under the terms of this Lease; (ii) Tenant's or Tenant's Parties use of the Premises, the conduct of Tenant's business or any activity, work or thing done, permitted or suffered by Tenant or Tenant's Parties in or about the Premises or the Property; or (iii) any act, error or omission of Tenant or Tenant's Parties in or about the Property

or any portion thereof (collectively, the "**Indemnification**"). Tenant shall provide such Indemnification by and through counsel reasonably acceptable to Landlord. The obligations of Tenant under this Section 7.1 shall survive the expiration or other termination of this Lease with respect to any claims or liability arising prior to such expiration or other termination.

7.2. Exemption of Landlord from Liability. Tenant, as a material part of the consideration to Landlord, hereby assumes all risk of damage to property including, but not limited to, Tenant's Property and any Tenant Improvements, and injury to or death of persons in, upon or about the Premises or the Property arising from any cause, and Tenant hereby waives all claims in respect thereof against Landlord, except to the extent such claims are caused by Landlord's sole or active negligence or willful misconduct. Tenant hereby agrees that Landlord shall not be liable for injury to Tenant's business or any loss of income therefrom or for damage to the property of Tenant, or injury to or death of Tenant, Tenant's Parties or any other person in or about the Premises or the Property, whether such damage or injury is caused by fire, steam, electricity, gas, water or rain, or from the breakage, leakage or other defects of sprinklers, wires, appliances, plumbing, air conditioning or lighting fixtures, or from any other cause, whether said damage or injury results from conditions arising within or about the Premises or the Property or from other sources or places, and regardless of whether the cause of such damage or injury or the means of repairing the same is inaccessible to Tenant, except damage or injury caused solely by Landlord's sole or active negligence or willful misconduct. Landlord shall not be liable for any damages arising from any act or neglect of any other tenant or occupant, if any, of the Premises or the Property or Landlord's failure to enforce the terms of any agreements with parties other than Tenant.

## **8. REPAIRS AND MAINTENANCE.**

8.1. Landlord's Obligations. The Premises are being leased to Tenant in their current, existing, "AS-IS" condition. It is specifically understood and agreed that Landlord has no obligation and has made no promises to alter, remodel, improve, decorate or paint the Premises, construct or install any Tenant Improvements, or otherwise alter or improve the Premises, Property, or any portion thereof: provided that Landlord shall repair and maintain the Building's structural components, the roof membrane and roof (including structural portions of the roof), foundation, parking lot, common areas (including restrooms and landscaping), and Building HVAC systems, at Landlord's sole cost and expense. Tenant is familiar with the existing condition of the Property and Premises, including any Tenant Improvements, and acknowledges that Landlord has made no representation or warranty regarding the condition of any Tenant Improvements, the Premises, the Property, or any portion thereof. If Landlord in its sole discretion elects to undertake repairs and maintenance of the Premises, the Property, or any portion thereof, then Tenant shall pay as Additional Rent, Landlord's reasonable determination of Tenant's share thereof based on Landlord's actual costs paid or incurred in connection therewith.

8.1.1 Tenant's Waiver. Notwithstanding anything in this Lease to the contrary, whether stated or implied in this Lease, Tenant waives and releases its rights, including its right to make repairs at Landlord's expense, under California Civil Code sections 1932(1), 1941, and 1942 or any similar Laws.



8.2. Tenant's Obligations. Tenant, at its expense, shall maintain the Premises in good order, condition and repair, including all non-structural components thereof, interior floor surfaces and floor coverings, interior walls and wall coverings, paintings, glass, doors, any Tenant Improvements, Signs, basic plumbing, HVAC and electrical systems regardless of when or by whom installed, and any items required for compliance with applicable Laws. In the event Tenant fails, in the reasonable judgment of Landlord, to so maintain the Premises in good order, condition and repair, Landlord shall in its sole discretion, upon five (5) days' written notice to Tenant, have the right but not the obligation to perform such maintenance, repairs or refurbishing at Tenant's expense, provided Tenant fails to do so within that five-day period. If Landlord elects to undertake any such repairs or maintenance as provided above, then Tenant shall pay, as Additional Rent, Landlord's actual costs paid or incurred in connection therewith.

## 9. ALTERATIONS.

9.1. Trade Fixtures; Alterations. Subject to the conditions and requirements of this Section 9, Tenant may install necessary trade fixtures, equipment and furniture in the Premises, provided that such items are installed and are removable without structural or material damage to the Premises or any Tenant Improvements. For purposes of this Lease, "**trade fixtures**" means specialty fixtures or equipment used in Tenant's trade or business as identified by Tenant and agreed to by Landlord in writing. Tenant shall not construct, or allow to be constructed, any alterations, physical additions, or improvements in, about, or to the Premises without the prior written consent of Landlord, which consent may be granted or denied in Landlord's sole discretion. If Landlord approves proposed alterations, additions or improvements, Landlord's consent may be conditioned upon Tenant's establishing compliance with Laws and with Landlord's reasonable requirements regarding selection of contractors and construction of improvements and alterations. Should Tenant make any alterations, additions, improvements without the prior written consent of Landlord, Landlord may, at any time during the Term of this Lease, require Tenant to remove any or all of the same and restore the Premises to their prior condition, at Tenant's sole cost and expense.

9.2. Improvement Work. Tenant shall construct improvements in the Premises and Deck Areas, and otherwise repair and rehabilitate the Premises and Deck Areas as set forth in and in accordance with the "**Work Letter**" attached hereto as **Exhibit C** and incorporated herein by reference ("**Improvement Work**").

9.3. Satellites and Antennae. Notwithstanding anything in this Lease to the contrary, Landlord and Tenant agree that it shall be reasonable for Landlord to withhold its consent to installation in or about the Premises or any portion thereof of equipment comprising or relating to relays, monopoles, satellite dishes, antennae, wireless telecommunications devices, transmitters, roof mounts, two-way radios, or similar apparatus (collectively, "**Transmission Devices**").

9.4. Standard of Work. All work to be performed by or on behalf of Tenant shall be performed diligently and in a first-class, workmanlike manner, and in compliance with all applicable Laws and all insurance carrier requirements. Landlord shall have the right, but not the obligation, to periodically inspect such work and may require changes in the method or quality

thereof. In no event shall such work materially obstruct access to the Property or any portion thereof.

9.5. Damage; Removal. Tenant shall repair all damage to the Premises, Property and any portions thereof caused by the installation or removal of Tenant's trade fixtures or other work performed by or on behalf of Tenant. Upon the expiration or other termination of this Lease, Tenant shall remove Tenant's trade fixtures and other improvements, alterations and additions and restore the Premises to their condition existing prior to the construction or installation of any such items and perform any closure work, investigation and environmental remedial work required by the presence or suspected presence of any Hazardous Materials Laws (as hereinafter defined) or by any other applicable Laws; provided, however, Landlord may require, upon written notice to Tenant no less than fifteen (15) days before the expiration or earlier termination of the Term, any such items (except trade fixtures) designated by Landlord to remain on the Premises, in which event they shall be and become the property of Landlord upon the expiration or other termination of this Lease. All such removals and restoration shall be accomplished in a good and workmanlike manner so as not to cause any damage to the Premises or the Property whatsoever and in strict accordance with all applicable Laws.

9.6. Liens. Tenant shall promptly pay and discharge all claims for labor performed, supplies furnished and services rendered at the request of Tenant and shall keep the Premises and Property and all portions thereof free of all mechanics' and materialmen's liens in connection therewith. Tenant shall provide at least ten (10) business days' prior written notice to Landlord before any labor is performed, supplies furnished or services rendered on or at the Premises and Landlord shall have the right to post on the Premises notices of non-responsibility. If any lien is filed, Tenant shall cause such lien to be released and removed within ten (10) days after the date of filing, and if Tenant fails to do so, Landlord may take such action as may be necessary to remove such lien, without the duty to investigate the validity of it, and Tenant shall pay Landlord such amounts expended by Landlord together with interest thereon, at the Applicable Interest Rate, from the date of expenditure.

9.7. Bonds. Landlord may require Tenant to provide Landlord, at Tenant's sole cost and expense, lien, performance, and payment completion bonds in an amount equal to one and one-half times the estimated cost of any alterations, additions, or improvements to insure Landlord, the Premises and the Property against any liability for mechanic's and materialmen's liens, and to ensure completion of the work and payment of any contractors or subcontractors.

## 10. USE.

10.1. Usage. The Premises shall be used only for the permitted uses set forth in Section 5 of the Basic Lease Information and for no other purpose without the prior written consent of Landlord. Tenant acknowledges that neither Landlord nor any of Landlord's agents has made any representation or warranty with regard to the Premises, any Tenant Improvements, or the Property with respect to their suitability for the conduct of Tenant's business. Tenant's execution of this Lease and entry of the Premises hereunder shall conclusively establish that the foregoing were at such time in satisfactory condition. Tenant, at Tenant's expense, shall comply with all applicable Hazardous Materials Laws, statutes, laws, codes, rules, orders, zoning, ordinances, directions, regulations, regulations, permits, or other requirements of federal, state,

county, municipal, or other governmental authorities having jurisdiction, now in force or which may hereafter be in force (individually, "**Law**," and collectively, "**Laws**"), which shall impose any duty upon Landlord or Tenant with respect to the use, occupancy, or alteration of the Premises. Tenant shall be responsible for obtaining any permit or business license required by any governmental agency permitting Tenant's use of the Premises. Landlord makes no representation concerning the availability of any permits or approvals required or permitted under this Lease. Tenant shall comply with the rules and regulations including observance of prohibited uses ("**Rules**") attached hereto as **Exhibit B** and incorporated by reference, together with such reasonable additional rules and regulations as Landlord may from time to time prescribe. Tenant shall not commit waste; overload the floors or structure of the Premises; permit any unreasonable odors, smoke, dust, gas, substances, noise, or vibrations to emanate from the Premises that are offensive or objectionable to Landlord or other tenants or occupants of the Property; take any action which would constitute a nuisance or would disturb, obstruct, or endanger Landlord or other tenants or occupants of the Property; take any action which would abrogate any warranties; or use or allow the Premises to be used for any unlawful purpose; and shall cooperate with Landlord and Landlord's agents to prevent those actions. Landlord shall not be responsible for non-compliance by any other tenant or occupant with, or Landlord's failure to enforce, any of the Rules or any other terms or provisions of such tenant's or occupant's lease.

10.2. Operating Covenant. Tenant acknowledges that the rent structure contained in this Lease is intended to bolster Tenant's ability to operate its business in the Premises and to fulfill its obligations under this Lease. Tenant shall continuously conduct its business in the Premises and remain open for business, except due to Force Majeure. Tenant shall keep the Premises adequately staffed and, if appropriate, shall maintain adequate merchandise consistent with the permitted uses. Tenant acknowledges that continuous operation is necessary for the development of business, image and traffic and that Tenant's failure to open or remain open will be detrimental to both the image and the economics of the Premises and this Lease. Landlord shall have and may exercise remedies as provided in this Lease, at law, or in equity if Tenant breaches this operating covenant.

## 11. ENVIRONMENTAL MATTERS.

11.1. Environmental Compliance. Tenant shall, at its sole cost and expense, comply with all laws, codes, rules, orders, ordinances, directives, regulations, permits, or other requirements of federal, state, county, municipal or governmental authorities having jurisdiction, now in force or which may hereafter be in force (collectively, "**Hazardous Materials Laws**") concerning the management, use, generation, storage, transportation, presence, discharge or disposal of any and all pollutants, wastes, flammables, explosives, radioactive materials, hazardous or toxic materials, hazardous or toxic wastes, hazardous or toxic substances, carcinogenic materials or contaminants and all other materials governed, monitored, or regulated by any Federal, State or local law or regulation, including but not limited to the Comprehensive Environmental Response, Compensation and Liability Act ("**CERCLA**"), the Hazardous Substances Account Act ("**HSAA**"), and/or the Resources Conservation and Recovery Act ("**RCRA**"). "**Hazardous Materials**" include asbestos, asbestos-containing materials, hydrocarbons, polychlorinated biphenyl ("**PCB**") or PCB-containing materials, petroleum, gasoline, petroleum products, crude oil or any fraction, product or by-product thereof (collectively, "**Hazardous Materials**"). Neither Tenant nor Tenant's Parties shall use, handle,

store, transport, treat, generate, release or dispose of any Hazardous Materials anywhere in, on, under or about the Premises or the Property. Tenant shall cause any and all Hazardous Materials brought onto, used, generated, handled, treated, stored, released or discharged on or under the Premises or the Property to be removed from the Premises and Property and transported for disposal in accordance with applicable Hazardous Materials Laws. Landlord shall have the right to enter the Premises from time to time to conduct tests, inspections and surveys concerning Hazardous Materials and to monitor Tenant's compliance with its obligations concerning Hazardous Materials and Hazard Materials Laws. Tenant shall immediately notify Landlord in writing of: (i) any release or discharge of any Hazardous Material; (ii) any voluntary clean-up or removal action instituted or proposed by Tenant, (iii) any enforcement, clean-up, removal or other governmental or regulatory action instituted or threatened, or (iv) any claim made or threatened by any person against Tenant, the Premises, or the Property or any portion thereof relating to Hazardous Materials or Hazardous Materials Laws. Tenant shall also supply to Landlord as promptly as possible, and in any event within five (5) business days after Tenant receives or sends same, copies of all claims, reports, complaints, notices, warnings or asserted violations relating in any way to the Premises or Tenant's use thereof and concerning Hazardous Materials or Hazardous Materials Laws. In the event Tenant institutes a cleanup or removal action, Tenant shall provide copies of all workplans and subsequent reports submitted to the governmental agency with jurisdiction to Landlord in a timely manner.

11.2. Tenant's Indemnification. Except to the extent caused by Landlord's sole or active negligence or willful misconduct, Tenant shall indemnify, defend and hold Landlord harmless from any claims, causes of action, liabilities, losses, damages, injunctions, suits, fines, penalties, costs or expenses (including attorneys' fees and expenses and consultant fees and expenses) caused or alleged to have been caused by the presence of Hazardous Materials in, on, under, about, or emanating from the Premises or the Property, including, without limitation, any bodily injury, death, property damage, natural resource damage, decrease in value of the Premises or the Property, caused or alleged to have been caused by Tenant or Tenant's Parties' use, storage, handling, treatment, generation, presence, discharge or release of Hazardous Materials in violation of Tenant's obligations under this Lease, whether such claims, causes of action or liabilities are first asserted during the Term or thereafter, and including without limitation, claims made against Landlord with respect to bodily injury, death or property damage sustained by third parties caused or alleged to have been caused by Tenant or Tenant's Parties' use, storage, handling, treatment, generation, presence, discharge or release of Hazardous Materials.

## **12. DAMAGE AND DESTRUCTION.**

12.1. Casualty. If, during the Term, the Premises are totally or partially destroyed from any cause rendering the Premises totally or partially inaccessible or unusable (the "**Casualty**"), then Landlord shall have the right at Landlord's option to give written notice to Tenant within ninety (90) days after the date of the occurrence of such damage of Landlord's intention to either (i) repair such damage as soon as reasonably possible at Landlord's expense, or (ii) terminate this Lease as of the date of the occurrence of such damage. If Landlord elects to repair the damage, and if the cost of such repairs does not exceed the amount of insurance proceeds received by Landlord from Landlord's Insurance pursuant to Section 6 above, on account of such damage, and if the restoration can be made under then existing Laws and can be completed within one hundred eighty (180) days after obtaining all necessary permits therefor, then Landlord shall

restore the Premises (excluding Tenant's Property and any Tenant Improvements) to substantially the same condition as they were in immediately before destruction. If the restoration cannot be so made, then within fifteen (15) days after Landlord determines that the restoration cannot be made as stated in this Section 12.1, Tenant can terminate this Lease immediately by giving written notice to Landlord. If the existing Laws do not permit the restoration, either party can terminate this Lease by giving ninety (90) days prior written notice to the other party. In case of destruction, there shall be an abatement or reduction of Rent, between the date of destruction and the date of completion of restoration if restoration takes place, or the date of termination if the Lease is terminated, based on the extent to which the destruction actually interferes with Tenant's use of the Premises.

12.2. Tenant's Fault. If the Premises, the Property, or any portion thereof, are damaged resulting from the negligence or breach of this Lease by Tenant or any of Tenant's Parties, Rent shall not be reduced during the repair of such damage, Tenant shall have no right to terminate this Lease as provided in Section 12.1, and Tenant shall be liable to Landlord for the cost of the repair caused thereby to the extent such cost is not covered by insurance proceeds.

12.3. Repair Limitation. Notwithstanding anything in this Lease to the contrary, Landlord shall not be required to repair any injury or damage, by fire or other cause, to Tenant's Property or any Tenant Improvements, if any, or to rebuild, repair or replace any decorations, alterations, partitions, fixtures, trade fixtures, additions or other improvements installed on the Premises by or for Tenant, unless Landlord has received insurance proceeds from Tenant's property insurance as provided in Section 6.2.4 above, and neither Tenant or Landlord has opted to terminate this Lease as provided in Section 12.1.

12.4. Waiver. The provisions of this Lease contain an express agreement between Landlord and Tenant that applies in the event of any Casualty. Tenant fully waives the provisions of any statute or regulation, including California Civil Code sections 1932(2) and 1933(4) (as amended from time to time, and successor statutes thereto) for any rights or obligations concerning a Casualty.

### 13. EMINENT DOMAIN.

13.1. Effect on Rights and Obligations. If any portion of the Premises is permanently taken by condemnation, this Lease shall remain in effect, except that Tenant can elect to terminate this Lease if 25% or more of the total number of square feet in the Premises is taken and if the remaining portion of the Premises is rendered unsuitable for Tenant's continued use of the Premises. If Tenant elects to terminate this Lease, Tenant must exercise its right to terminate by giving written notice to Landlord within 30 days after the nature and the extent of the taking have been finally determined, as of the date of termination, which date shall not be earlier than 30 days nor later than 90 days after Tenant has notified Landlord of its election to terminate; except that this Lease shall terminate on the date of taking if the date of taking falls on a date before the date of termination as designated by Tenant. If Tenant does not terminate this Lease within the 30-day period, this Lease shall continue in full force and effect, except that the Base Rent thereafter to be paid shall be reduced on a pro-rata basis. Tenant shall notify Landlord in writing of any condemnation or threatened condemnation within ten (10) days after Tenant receives notice of said action or threatened action.

13.2. Award. In connection with any condemnation, Landlord shall be entitled to receive all compensation and anything of value awarded, paid, or received in settlement or otherwise ("**Award**") and Tenant hereby irrevocably assigns and transfers to Landlord all rights to and interests in the Award and fully waives, releases, and relinquishes any claim to, right to make a claim on, or interest in the Award, including any amount attributable to any excess of the market value of the Premises for the remainder of the Term over the present value as of the termination date of the Rent payable for the remainder of the Term (commonly referred to as the "**bonus value**" of the Lease).

#### 14. DEFAULT.

14.1. Events of Default. Where "**default**" is used in this Lease with reference to Tenant, default refers to any breach of Tenant's obligations under this Lease, however brief. Where Tenant's default continues for the period specified below, it shall, at Landlord's option, constitute an Event of Default giving rise to the remedies set forth in Sections 14.2 and 14.3 of this Lease. The occurrence of any of the following events shall, at Landlord's option, constitute an "**Event of Default**:"

14.1.1 Abandonment of or vacating the Premises, or cessation of Tenant's business operations therein, for a period of thirty (30) consecutive days;

14.1.2 Failure to pay Rent or other sums on the date when due and the failure continuing for a period of ten (10) days after such payment is due;

14.1.3 Failure to perform Tenant's covenants and obligations hereunder (except default in the payment of Rent) where such failure continues for a period of thirty (30) days;

14.1.4 The making of a general assignment by Tenant for the benefit of creditors; the filing of a voluntary petition by Tenant or the filing of an involuntary petition by any of Tenant's creditors seeking the rehabilitation, liquidation or reorganization of Tenant under any Laws relating to bankruptcy, insolvency or other relief of debtors and, in the case of an involuntary action, the failure to remove or discharge the same within sixty (60) days of such filing; the appointment of a receiver or other custodian to take possession of substantially all of Tenant's assets or this leasehold; Tenant's insolvency or inability to pay Tenant's debts or failure generally to pay Tenant's debts when due; any court entering a decree or order directing the winding up or liquidation of Tenant or of substantially all of Tenant's assets; Tenant taking any action toward the dissolution or winding up of Tenant's affairs; the cessation or suspension of Tenant's use of the Premises; or the attachment, execution or other judicial seizure of substantially all of Tenant's assets or this leasehold; or

14.1.5 The making of any material misrepresentation or omission by Tenant or any successor in interest of Tenant in any materials delivered by or on behalf of Tenant to Landlord or Landlord's lender pursuant to this Lease; or

#### 14.2. Remedies.

14.2.1 Termination. In the event of the occurrence of any Event of Default, Landlord shall have the right to give a written termination notice to Tenant and, on the date specified in such notice (which date shall be at least three (3) business days following the date of delivery of such notice), this Lease shall terminate unless on or before such date all arrears of Rent and all other sums payable by Tenant under this Lease and all costs and expenses incurred by or on behalf of Landlord hereunder shall have been paid by Tenant and all other Events of Default at the time existing shall have been fully remedied to the satisfaction of Landlord.

A. Repossession. Following termination, without prejudice to other remedies Landlord may have, Landlord may (i) peaceably re-enter the Premises upon voluntary surrender by Tenant or remove Tenant therefrom and any other persons occupying the Premises, using such legal proceedings as may be available; (ii) repossess the Premises or relet the Premises or any part thereof for such term (which may be for a term extending beyond the Term), at such rental and upon such other terms and conditions as Landlord in Landlord's sole discretion shall determine, with the right to make reasonable alterations and repairs to the Premises; and (iii) remove all personal property therefrom.

B. Unpaid Rent. Landlord shall have all the rights and remedies of a landlord provided by applicable Laws, including the right to recover from Tenant: (a) the worth, at the time of award, of the unpaid Rent that had been earned at the time of termination, (b) the worth, at the time of award, of the amount by which the unpaid Rent that would have been earned after the date of termination until the time of award exceeds the amount of loss of rent that Tenant proves could have been reasonably avoided, (c) the worth, at the time of award, of the amount by which the unpaid Rent for the balance of the Term after the time of award exceeds the amount of the loss of rent that Tenant proves could have been reasonably avoided, and (d) any other amount, and court costs, necessary to compensate Landlord for all detriment proximately caused by Tenant's default. The phrase "**worth, at the time of award**," as used in (a) and (b) above, shall be computed at the Applicable Interest Rate, and as used in (c) above, shall be computed by discounting such amount at the discount rate of the Federal Reserve Bank of San Francisco at the time of award plus one percent (1%).

14.3. Cumulative. Each right and remedy of Landlord provided for herein or now or hereafter existing at Law or in equity, by statute or otherwise shall be cumulative and shall not preclude Landlord from exercising any other rights or remedies provided for in this Lease or now or hereafter existing at Law or in equity, by statute or otherwise. No payment by Tenant of a lesser amount than the Rent nor any endorsement on any check or letter accompanying any check or payment of Rent shall be deemed an accord and satisfaction of full payment of Rent; and Landlord may accept such payment without prejudice to Landlord's right to recover the balance of such Rent or to pursue other remedies.

#### 15. ASSIGNMENT AND SUBLETTING.

15.1. Landlord's Consent. Tenant shall not assign, sublet or otherwise transfer, whether voluntarily or involuntarily or by operation of Law, this Lease, the Premises or any part thereof, without Landlord's prior written approval, which Landlord may withhold in its sole absolute

discretion, without any obligation to consider any proposed assignment, sublet or transfer in good faith or otherwise. Tenant's attempted assignment/subletting without first obtaining Landlord's written consent shall be void at Landlord's election. Landlord's consent to one assignment or subletting shall not be deemed a consent to subsequent assignments and/or sublettings. The merger of Tenant with any other entity or the transfer of any controlling or managing ownership or beneficial interest in Tenant, or the assignment of a substantial portion of the assets of Tenant, whether or not located at the Premises shall constitute an assignment hereunder. In the event Tenant shall assign or sublet the Premises or request the consent of Landlord to any assignment or subletting or if Tenant shall request the consent of Landlord for any other act Tenant proposes to do then Tenant shall pay Landlord's attorneys' fees incurred in connection with each such request.

**16. ESTOPPEL, ATTORNMENT AND SUBORDINATION.**

16.1. Estoppel. Within ten (10) days after request by Landlord, Tenant shall deliver an estoppel certificate duly executed and acknowledged to any proposed mortgagee, beneficiary, purchaser, or Landlord, in a commercially reasonable form substantially similar to that requested and a statement certifying, without limitation: (i) the date of commencement of this Lease; (ii) the fact that this Lease is unmodified and in full force and effect (or, if there have been modifications hereto, that this Lease is in full force and effect, as modified, and stating the date and nature of such modifications); (iii) the date to which the rental and other sums payable under this Lease have been paid; (iv) the fact that there are no current defaults under this Lease by either Landlord or Tenant except as specified in Tenant's statement; (v) no deposit of any nature has been made in connection with the Lease (other than deposits the nature and amount of which are expressly described in the Lease), and (vi) such other matters requested by Landlord. Landlord and Tenant intend that any statement delivered pursuant to this Section 16 may be relied upon by any mortgagee, beneficiary, purchaser or prospective purchaser of the Premises, the Property or any interest therein. Tenant's failure to deliver such statement within such time shall be conclusive upon Tenant that (i) this Lease is in full force and effect, without modification except as may be represented by Landlord; (ii) there are no uncured defaults in Landlord's performance, (iii) not more than one (1) month's rental has been paid in advance; and (iv) no deposit of any nature has been made in connection with the Lease except as represented by Landlord. Except to the extent caused by Landlord's sole or active negligence or willful misconduct, Tenant shall indemnify and hold Landlord harmless from and against any and all damages, penalties, fines, taxes, costs, liabilities, losses and expenses (including, without limitation, reasonable attorneys' fees and court costs) which Landlord may sustain or incur as a result of or in connection with Tenant's failure or delay in delivering such estoppel certificate. If any financier should require that this Lease be amended (other than in the description of the Premises, the Term, the permitted uses, the Rent or as will substantially, materially and adversely affect the rights of Tenant), Landlord shall give written notice thereof to Tenant, which notice shall be accompanied by a Lease supplement embodying such amendments. Tenant shall, within ten (10) days after the receipt of Landlord's notice, execute and deliver to Landlord the tendered Lease supplement.

16.2. Subordination. This Lease shall be subject and subordinate to all ground leases, CC&Rs, and the lien of all mortgages and deeds of trust which now or hereafter affect the Premises or the Property or Landlord's interest therein, and all amendments thereto, all without



the necessity of Tenant's executing further instruments to effect such subordination; provided, however, that Tenant's rights hereunder shall not be disturbed, except in accordance with the terms and provisions of this Lease. If requested, Tenant shall execute and deliver to Landlord within ten (10) days after Landlord's request, whatever documentation that may reasonably be required to further effect the provisions of this Section 16.2.

16.3. Attornment. In the event of a foreclosure proceeding, the exercise of the power of sale under any mortgage or deed of trust or the termination of a ground lease, Tenant shall, if requested, attorn to the purchaser thereupon and recognize such purchaser as Landlord under this Lease. The transferee shall not be liable for any acts, omissions or defaults of Landlord that occurred before the sale or conveyance, or the return of any security deposit except for deposits actually paid to transferee, and except as reduced as expressly provided for in Section 3.4 of this Lease or by operation of Law.

## 17. RELOCATION WAIVER.

17.1. Waiver. Tenant fully releases and discharges Landlord (in its capacity as Landlord and otherwise as a municipal corporation) from all and any manner of rights, demands, liabilities, obligations, claims, or cause of actions, in law or equity, of any kind or nature, known or unknown, now existing or hereinafter arising, which arise from or relate in any manner to the relocation of Tenant's business operations, or the relocation of any person(s), business(es), or other occupant(s) located on within, on, or about, the Premises following the full or partial termination or expiration of Tenant's leasehold interest in the Premises (collectively, "**Relocation Claims**"), including waiver and release of any relocation rights under Government Code sections 7260 et seq. or any federal laws ("**Relocation Assistance Law**"). Tenant acknowledges and agrees that the release and waiver set forth in this Section 17 is material consideration for Landlord's amendment and consent to assignment of Lease, and that, but for this release and waiver, Landlord would not have entered into this Lease. By releasing and forever discharging the Relocation Claims, Tenant expressly waives any rights under California Civil Code section 1542, which provides: "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY AFFECTED HIS SETTLEMENT WITH THE DEBTOR."

## 18. MISCELLANEOUS.

### 18.1. General.

18.1.1 Entire Agreement. This Lease sets forth all the agreements between Landlord and Tenant concerning the Property and the Premises, and there are no agreements either oral or written other than as set forth herein.

18.1.2 Time of Essence. Time is of the essence of this Lease.

18.1.3 Attorneys' Fees. If any action is commenced which arises out of or related to this Lease, the prevailing party shall be entitled to recover from the other party such sums as the court may adjudge to be reasonable attorneys' fees, expert fees, and expenses in the action, in addition to costs and expenses otherwise allowed by Law. In all other situations,

including any matter arising out of or relating to any bankruptcy or other voluntary or involuntary proceeding, in or out of court, for the adjustment of debtor-creditor relationships, Tenant agrees to pay all of Landlord's costs and expenses, including attorneys' fees and expert fees, which may be incurred in enforcing or protecting Landlord's rights or interests.

18.1.4 Severability. If any provision of this Lease or the application of any such provision shall be held by a court of competent jurisdiction to be invalid, void or unenforceable to any extent, the remaining provisions of this Lease and the application thereof shall remain in full force and effect and shall not be affected, impaired or invalidated.

18.1.5 Law. This Lease shall be construed and enforced in accordance with the Laws of the state of California, without reference to its choice of law provisions.

18.1.6 Interpretation. The titles to the sections of this Lease are not a part of this Lease and shall have no effect upon the construction or interpretation of any part of this Lease. As used in this Lease, masculine, feminine or neuter gender and the singular or plural number shall each be deemed to include the others where and when the context so dictates. The word "including" shall be construed as if followed by the words "without limitation." This Lease shall be interpreted as though prepared jointly by both parties.

18.1.7 No Option. Submission of this Lease to Tenant for examination or negotiation does not constitute an option to lease, offer to lease or a reservation of, or option for, the Premises; and this Lease shall become effective and binding only upon the execution and delivery hereof by Landlord and Tenant.

18.1.8 Successors and Assigns. This Lease shall be binding upon and inure to the benefit of the successors and assigns of Landlord and, subject to compliance with the terms of Section 15, Tenant.

18.1.9 Third Party Beneficiaries. Nothing herein is intended to create any third party benefit.

18.1.10 Memorandum of Lease; Title. Landlord may elect to have either this Lease or a short form memorandum hereof recorded pursuant to the requirements of California Government Code section 37393. Tenant shall cooperate with Landlord in executing and acknowledging any such memorandum of lease. Upon the expiration or other termination of this Lease, Tenant shall immediately execute and deliver to Landlord a quitclaim deed to the Premises and the Property, as required, in recordable form, designating Landlord as transferee or grantee. Tenant shall not do any act which shall in any way encumber the title of Landlord in and to the Property or any portion thereof.

18.1.11 Agency, Partnership or Joint Venture. Nothing contained herein nor any acts of the parties hereto shall be deemed or construed by the parties hereto, nor by any third party, as creating the relationship of principal and agent or of partnership or of joint venture by the parties hereto or any relationship other than the relationship of landlord and tenant.

18.1.12 Merger. The voluntary or other surrender of this Lease by Tenant or a mutual cancellation thereof or a termination by Landlord shall not work a merger and shall, at

the option of Landlord, terminate all or any existing subtenancies or may, at the option of Landlord, operate as an assignment to Landlord of any or all of such subtenancies.

18.2. Signs. All signs and graphics of every kind visible in or from public view or corridors, or the exterior of the Premises, installed or caused to be installed by, for the benefit of, or at the request of Tenant ("**Signs**") shall be, at Tenant's sole cost and expense, and subject to Landlord's prior written approval and shall be subject to all applicable Laws. Tenant shall remove all such Signs prior to the termination of this Lease. Such installations and removals shall be made in such manner as to avoid injury or defacement of the Premises; and Tenant shall repair any injury or defacement, including discoloration caused by such installation or removal. Tenant shall be responsible for all fees, costs and expenses associated with installation and removal of Signs. In the event any such fees, costs or expenses are incurred by Landlord (whether directly or indirectly), Landlord shall deliver to Tenant an invoice, with reasonable supporting documentation, and Tenant shall reimburse Landlord for those amounts within fifteen (15) days after receipt of such invoice.

18.3. Waiver. No waiver of any default or breach hereunder shall be implied from any omission to take action on account thereof, notwithstanding any custom and practice or course of dealing. No waiver by either party of any provision under this Lease shall be effective unless in writing and signed by such party. No waiver shall affect any default other than the default specified in the waiver and then such waiver shall be operative only for the time and to the extent therein stated. Waivers of any covenant shall not be construed as a waiver of any subsequent breach of the same.

18.4. Limitation of Liability. The obligations of Landlord under this Lease are not personal obligations of Landlord; and Tenant shall look solely to the Premises for satisfaction of any liability of Landlord and shall not look to other assets of Landlord nor seek recourse against the other assets of Landlord. Whenever Landlord transfers its interest, Landlord shall be automatically released from further performance under this Lease and from all further liabilities and expenses hereunder and the transferee of Landlord's interest shall assume all liabilities and obligations of Landlord hereunder from the date of such transfer.

18.5. Notices. All notices to be given hereunder shall be in writing and mailed postage prepaid by certified or registered mail, return receipt requested, or delivered by personal or courier delivery, or sent by facsimile (immediately followed by one of the preceding methods), to Landlord's address and Tenant's address set forth in Sections 1 and 2 of the Basic Lease Information, or to such other place as Landlord or Tenant may designate in a written notice given to the other party. Notices shall be deemed served upon the earlier of receipt or three (3) days after the date of mailing.

18.6. Brokerage Commission. Landlord and Tenant each represents that they have not been represented by any broker in connection with this Lease, and that no real estate broker's commission, finder's fee or other compensation (individually and collectively, "**Commission**") is due or payable. Tenant agrees to indemnify and hold harmless Landlord from any claims or liability, including reasonable attorneys' fees, in connection with a claim by any person for a Commission based upon any statement, representation or agreement of Tenant.

18.7. Authorization. Each individual or entity executing this Lease on behalf of Tenant represents and warrants that he or she or it is duly authorized to execute and deliver this Lease on behalf of Tenant and that such execution is binding upon Tenant.

18.8. Holding Over. If, with Landlord's express written consent, Tenant holds over the Premises or any part thereof after expiration or earlier termination of the Term, such holding over shall constitute a month-to-month tenancy on all the other terms and conditions of this Lease, except that Base Rent shall be equal to the Rent payable under this Lease for the last full month before the date of expiration or termination. This section shall not be construed as Landlord's permission for Tenant to hold over. Acceptance of Rent by Landlord following expiration or termination shall not constitute a renewal of this Lease or extension of the Initial Term or any Renewal Term, as the case may be, except as specifically set forth above. If Tenant remains in possession of the Premises after expiration or other termination of this Lease without Landlord's express written consent, Tenant's continued possession shall be on the basis of a tenancy at sufferance and Tenant shall pay as rent during the holdover period an amount equal to one hundred fifty percent (150%) of the Rent payable under this Lease for the last full month before the date of expiration or termination. If Tenant fails to surrender the Premises upon expiration or other termination of this Lease, Tenant shall indemnify and hold Landlord harmless from and against all loss or liability resulting from or arising out of Tenant's failure to surrender the Premises, including, but not limited to, any amounts required to be paid to any tenant or prospective tenant who was to have occupied the Premises after the expiration or other termination of this Lease and any related attorneys' fees and brokerage commissions.

18.9. Surrender. Upon the expiration or other termination of this Lease or Tenant's right to possession of the Premises, Tenant will surrender the Premises, together with all keys, broom-swept clean and in good condition and repair, reasonable wear and tear excepted. Conditions existing because of Tenant's failure to perform maintenance, repairs or replacements shall not be deemed "reasonable wear and tear."

18.10. Joint and Several. If Tenant consists of more than one person, the obligation of all such persons shall be joint and several.

18.11. Covenants and Conditions. Each provision to be performed by Tenant hereunder shall be deemed to be both a covenant and a condition. This Lease shall be construed as though the covenants between Landlord and Tenant are independent and not dependent. Tenant expressly waives the benefit of any statute to the contrary, and agrees that even if Landlord fails to perform its obligations under this Lease, Tenant shall not be entitled to make repairs or perform any acts at Landlord's expense, or to any setoff against Rent or other amounts owing under this Lease against Landlord.

18.12. Force Majeure. For purposes of this Lease, the term "**Force Majeure**" shall mean and include the following: any delay caused by any action, inaction, order, ruling, moratorium, regulation, statute, condition or other decision of any governmental agency having jurisdiction over any portion of the Property, over any construction anticipated to occur thereon or over any uses thereof, or by fire, flood, inclement weather, energy shortage, strikes, lockouts or other labor or industrial disturbance, civil disturbance, order of any government, court or regulatory body claiming jurisdiction or otherwise, governmental preemption or curtailment in connection

with a national emergency or in connection with any rule, order, guideline or regulation of any department or governmental agency, or by reason of the conditions of supply and demand which have been or are affected by a war or other emergency, acts of terrorism, act of public enemy, war, riot, sabotage, blockade, embargo, failure or inability to secure an adequate supply of water, electricity, fuel, materials, supplies or labor through ordinary sources by reason of shortages or priority, discovery of Hazardous Materials (as defined in paragraph 11.1), earthquake, or other natural disaster, or any cause whatsoever beyond the reasonable control (excluding financial inability) of the party whose performance is required, or any of its contractors or other representatives.

18.13. Financial Statements. Upon ten (10) days prior written request from Landlord (which Landlord may make at any time during the Term but no more often than once in any calendar year, unless Tenant is in default), Tenant shall deliver to Landlord a current financial statement of Tenant and any guarantor of this Lease. Such statements shall be prepared in accordance with generally acceptable accounting principles and certified as true in all material respects by Tenant (if Tenant is an individual) or by an authorized officer or general partner of Tenant (if Tenant is a corporation or partnership, respectively).

19. **ADDENDUM.**

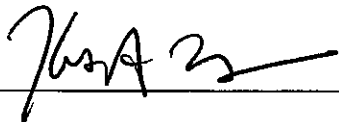
19.1. Attached hereto is an addendum or addenda containing Section(s) 20 through 22, which constitute a part of this Lease.

***[SIGNATURES FOLLOW ON NEXT PAGE]***

IN WITNESS WHEREOF, the parties have executed this Lease as of the Effective Date.

**TENANT:**

Mare Island Brewing Co. LLC

By: 

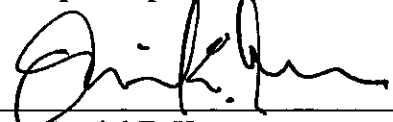
Print Name: Kent Fortner

Title: President

Date: 9/16/13

**LANDLORD:**

CITY OF VALLEJO,  
a municipal corporation

By: 

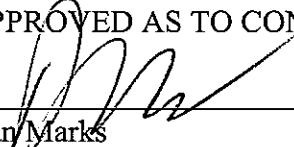
Daniel E. Keen

City Manager

Date: 10-4-2013

ATTEST:   
Dawn Abrahamson  
City Clerk

**APPROVED AS TO CONTENT:**



Dan Marks

Interim Economic Development Director

(CITY SEAL)

**APPROVED AS TO FORM AND  
INSURANCE REQUIREMENTS:**

  
Claudia Quintana  
City Attorney

## ADDENDUM TO LEASE

(Base Rent During Term Subject to CPI Increase)

Sept. 16

This Addendum is attached to and made part of that certain Lease dated ~~May~~, 2013, between City of Vallejo, a California municipal corporation, as Landlord, and Mare Island Brewing Co. LLC, as Tenant ("**Lease**"). Capitalized terms not otherwise defined in this Addendum shall have the meaning given them in the Lease. The provisions of this Addendum shall prevail over any inconsistent or conflicting provisions of the Lease.

### **20 BASE RENT ADJUSTMENTS DURING TERM.**

20.1 Adjustment. Base Rent shall be adjusted commencing on the first anniversary of the Commencement Date and on each subsequent anniversary of the Commencement Date during the Term, including any Extension Term (each, an "**Adjustment Date**"). On each Adjustment Date the Base Rent for the ensuing twelve (12) month period ("**Adjustment Period**") shall be an amount equal to the greater of (i) the Base Rent (including any prior Base Rent adjustments) in effect immediately prior to the commencement of the applicable Adjustment Period (without regard to any temporary abatement of Rent then or previously in effect pursuant to the provisions of this Lease) or (ii) the product obtained by multiplying the sum specified in item (i) by a fraction, the numerator of which is the Index, as defined below, published for the month nearest but prior to the commencement date of the applicable Adjustment Period, and the denominator of which is the Index published for the month nearest but prior to the commencement of the twelve (12) month period immediately preceding the applicable Adjustment Period, capped at 3%.

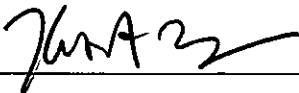
20.2 Index. The term "**Index**" as used in this Lease means the Consumer Price Index published by the Bureau of Labor Statistics of the U.S. Department of Labor for the San Francisco-Oakland-San Jose Consolidated Metropolitan Statistical Area. If the Index is revised, the parties agree that the Bureau of Labor Statistics will be the sole judge of the comparability of successive indexes, but if that agency fails to supply indexes that it deems comparable, or if no succeeding index is published, then Landlord shall determine an appropriate alternative published price index.

***[SIGNATURES FOLLOW ON NEXT PAGE]***

IN WITNESS WHEREOF, the parties have executed this Addendum as of the Effective Date.

**TENANT:**

Mare Island Brewing Co. LLC

By: 

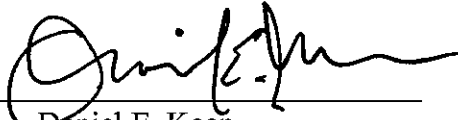
Print Name: Kent Fortner

Title: President

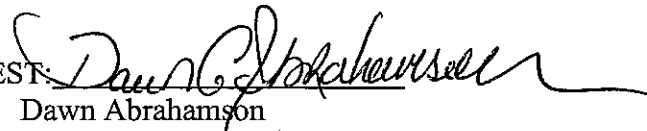
Date: 9/16/13

**LANDLORD:**

CITY OF VALLEJO,  
a municipal corporation

By:   
Daniel E. Keen  
City Manager

Date: 10-4-2013

ATTEST:   
Dawn Abrahamson  
City Clerk

APPROVED AS TO CONTENT:

  
Dan Marks  
Interim Economic Development Director

(CITY SEAL)

APPROVED AS TO FORM AND  
INSURANCE REQUIREMENTS:

  
Claudia Quintana  
City Attorney



**FIRST AMENDMENT TO NNN LEASE BY AND BETWEEN  
CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC**

**THIS FIRST AMENDMENT TO NNN LEASE** ("First Amendment") is made and entered into on February 2, 2017, by and between the City of Vallejo, a California municipal corporation ("Landlord") and Mare Island Brewing Co. LLC, a California limited liability company ("Tenant").

*RECITALS*

- A. Landlord and Tenant entered into that certain NNN Lease dated September 16, 2013 ("original Lease") whereby Tenant leases approximately 1,321 rentable square feet (Premises") for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages.
- B. The original Lease will expire on March 31, 2017. The Lease provides an option for Tenant to renew the Lease for three successive period(s) of five (5) years each.
- C. Tenant now desires to exercise the first extension option pursuant to Section 21 of Addendum to Lease (Option to Extend, Base Rent at Commencement of Extension Term Subject to CPI Increase) to the original Lease.
- D. The original Lease and this First Amendment are collectively referred to herein as the "Lease". There have been no other amendments to or modifications of the Lease.

NOW, THEREFORE, in consideration of the foregoing recitals and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Landlord and Tenant hereby agree as follows:

**1. New Lease Expiration Date.**

The term is hereby extended for an additional five (5) years, commencing on April 1, 2017, and expiring on March 31, 2022 ("Extension Term"), provided Tenant is not in default or out of compliance under any of the terms and conditions of the Lease at the time of commencement of the Extension Term.

**2. Remaining Option to Renew.**

Tenant shall have two (2) five (5) year remaining options to renew, provided Tenant is not in default or out of compliance under any of the terms and conditions of the Lease at the time of notification or at commencement. Tenant shall have no further right to extend the term of the Lease after exercising the two (2) remaining options to renew.

**3. Extension Option is Personal.**

This extension option and any future extension options are not transferable. Landlord and Tenant acknowledge and agree that they intend that this extension option and any future extension options to extend the term to be "personal" to Tenant as set forth herein and that in no event will any assignee or subtenant have any rights to exercise this extension option and any future options to extend the term.

**4. Base Rent.**

During this Extension Term, base rent shall be One Thousand Two Hundred Twenty Five Dollars and 15/100 (\$1,225.15) per month. Base rent during this extension option and any future extension options shall be adjusted subject to Paragraph 20 of Addendum to Lease (Base Rent During Term Subject to CPI Increase) to the original Lease.

**5. Additional Rent.**

Tenant shall pay Additional Rent during this extension term and any future extension options pursuant to the Lease.

**6. Ratification; Entire Agreement.**

Landlord and Tenant do hereby ratify and affirm all of the terms, conditions and covenants of the Lease as amended by this First Amendment. The original Lease, together with this First Amendment, along with any exhibits and attachments to the original Lease and hereto constitute the entire agreement between the Landlord and Tenant relative to the Premises. The Lease may be altered, amended or revoked only by an instrument in writing signed by both Landlord and Tenant.

**7. Binding Effect.**

This First Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, executors, successors, and/or assigns, subject to Section 3 herein and the provisions of the Lease.

**8. Governing Law.**

This First Amendment shall be governed by and construed in accordance with the laws of the State of California.

**9. Counterparts.**

This First Amendment may be executed by one or more of the parties to this First Amendment on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

**SIGNATURES ON THE FOLLOWING PAGE**

**IN WITNESS WHEREOF**, the parties hereto have duly executed and delivered this First Amendment, all as of the day and year first written above.

LANDLORD:

CITY OF VALLEJO, a municipal corporation

By: 

Name: Daniel E. Keen

Its: City Manager

Date: 3-2-17

TENANT:

MARE ISLAND BREWING CO, LLC  
a California limited liability company

By: 

Kent Fortner

Its: President

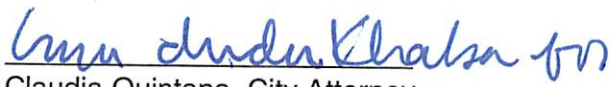
APPROVED AS TO CONTENT:

By: 

Andrea J. Ouse, AICP

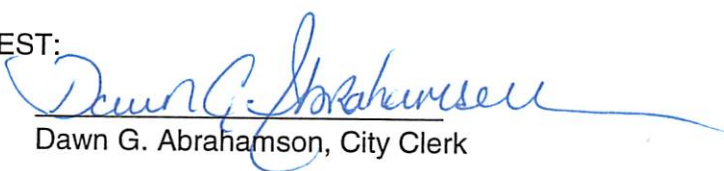
Community & Economic Development Director

APPROVED AS TO FORM AND INSURANCE:

By: 

Claudia Quintana, City Attorney

ATTEST:

By: 

Dawn G. Abrahamson, City Clerk

**SECOND AMENDMENT TO NNN LEASE BY AND BETWEEN  
CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC**

**THIS SECOND AMENDMENT TO NNN LEASE** ("Second Amendment") is made and entered into on JULY 26<sup>th</sup>, 2017, by and between the City of Vallejo, a California municipal corporation ("Landlord") and Mare Island Brewing Co. LLC, a California limited liability company ("Tenant").

*RECITALS*

- A. Landlord and Tenant entered into that certain NNN Lease dated September 16, 2013 ("original Lease") whereby Tenant leases approximately 1,321 rentable square feet ("Premises") for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages.
- B. Landlord and Tenant entered into that certain First Amendment dated February 2, 2017 ("First Amendment") whereby Tenant renewed the first of three successive renewal options for five (5) years each.
- C. Tenant now desires to exercise the option to expand into the premises formerly occupied by Vallejo Convention and Visitor's Bureau – Suite A and an adjacent open space, which together comprise of approximately 1,100 square feet ("Expanded Premises"), pursuant to Section 22 (Option to Expand) of Addendum to Lease to the original lease. The Expanded Premises does not include the informational booth located within Suite A that will continue to be occupied by the Vallejo Convention and Visitors Bureau. A drawing depicting the location and layout of the Expanded Premises, and the general location of the informational booth, is attached hereto and incorporated by reference as **Exhibit A**.
- D. The original Lease, the First Amendment and this Second Amendment are collectively referred to herein as the "Lease". There have been no other amendments to or modifications of the Lease.

NOW, THEREFORE, in consideration of the foregoing recitals and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Landlord and Tenant hereby agree as follows:

**1. Premises, AS IS.**

Tenant is familiar with the existing condition of the Expanded Premises and acknowledges that Landlord has made no representations or warranties in that regard, and hereby accepts the Expanded Premises in their "AS IS" condition as of the effective date.

**2. Effective Date and Expiration.**

The effective date of the Expansion Term is October 1, 2017 and will expire on March 31, 2022.



### **3. Expansion Option is Personal.**

This expansion option is not transferable. Landlord and Tenant acknowledge and agree that they intend that this expansion to be "personal" to Tenant as set forth herein and that in no event will any assignee or subtenant have any rights to exercise this expansion option.

### **4. Base Rent.**

The base rent for the Expanded Premises shall be One Thousand Twenty Dollars and 25/100 (\$1,020.25) per month plus the applicable percentage rent and triple net expenses assessed at \$.20/sf/mo. Base rent for the Expanded Premises shall be adjusted subject to Section 20 of Addendum to Lease (Base Rent During Term Subject to CPI Increase) to the original Lease.

### **5. Additional Rent.**

Tenant shall pay Additional Rent on the Expanded Premises during the Expansion Term and any future extension options pursuant to the Lease.

### **6. Improvement Work in Expanded Premises.**

Tenant shall be responsible for constructing, at its own expense, any and all improvements in the Expanded Premises. Improvements may include, but are not limited to, a pass-through space from the existing kitchen; an access door from the elevator shaft; kitchen expansion including prep area, hood, grill, and dishwashing area with grease trap; and new demising walls for internal offices and additional taproom space. Approximate plans are depicted in **Exhibit B**. Tenant shall not construct or allow to be constructed any improvements in or about the Premises without the prior written approval of all final improvement plans and issuance of a building permit by the Building Division of the Economic Development Department of the City of Vallejo. It is understood that Tenant will initiate the construction of improvements to conform to its own schedule, but if written approval has been given Tenant may begin work in the Expanded Premises starting September 1, 2017, or earlier if the Vallejo Convention and Visitors Bureau has vacated space in the month of August. This section shall not be construed to amend or replace Section 9 (Alterations) of the original Lease.

Notwithstanding the above, Landlord shall construct, at its own expense and on its own timeline, an emergency exit door from the Expanded Premises, as depicted in **Exhibit B**. Landlord shall make reasonable efforts to coordinate installation of the emergency exit door with Tenant's schedule for construction of final approved improvements.

### **7. Ratification; Entire Agreement.**

Landlord and Tenant do hereby ratify and affirm all of the terms, conditions and covenants of the Lease as amended by this Second Amendment. The original Lease, First Amendment, together with this Second Amendment, along with any exhibits and attachments to the original Lease and First Amendment do hereto constitute the entire agreement between the Landlord and Tenant relative to the Premises and the Expanded Premises. The Lease may be altered, amended or revoked only by an instrument in writing signed by both Landlord and Tenant.

### **8. Binding Effect.**

This Second Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, executors, successors, and/or assigns, subject to Section 3 herein and the provisions of the Lease.

**9. Governing Law.**

This Second Amendment shall be governed by and construed in accordance with the laws of the State of California.

**10. Counterparts.**

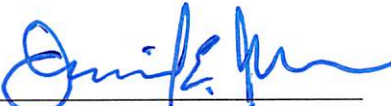
This Second Amendment may be executed by one or more of the parties to this Second Amendment on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

**SIGNATURES ON THE FOLLOWING PAGE**

IN WITNESS WHEREOF, the parties hereto have duly executed and delivered this Second Amendment, all as of the day and year first written above.

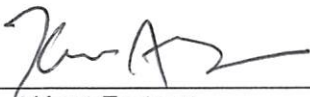
LANDLORD:

CITY OF VALLEJO, a municipal corporation

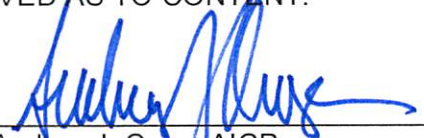
By:   
Name: Daniel E. Keen  
Its: City Manager  
Date: 8/1/17

TENANT:

MARE ISLAND BREWING CO, LLC  
a California limited liability company

By:   
Kent Fortner  
Its: ~~President~~  
MANAGING MEMBER of LLC

APPROVED AS TO CONTENT:

By:   
Andrea J. Ouse, AICP  
Community & Economic Development Director

APPROVED AS TO FORM AND INSURANCE:

By:   
Claudia Quintana, City Attorney

ATTEST:

By:   
Dawn G. Abrahamson, City Clerk





*[Faint, illegible handwritten text and signatures]*



**EXHIBIT A**

# EXHIBIT A

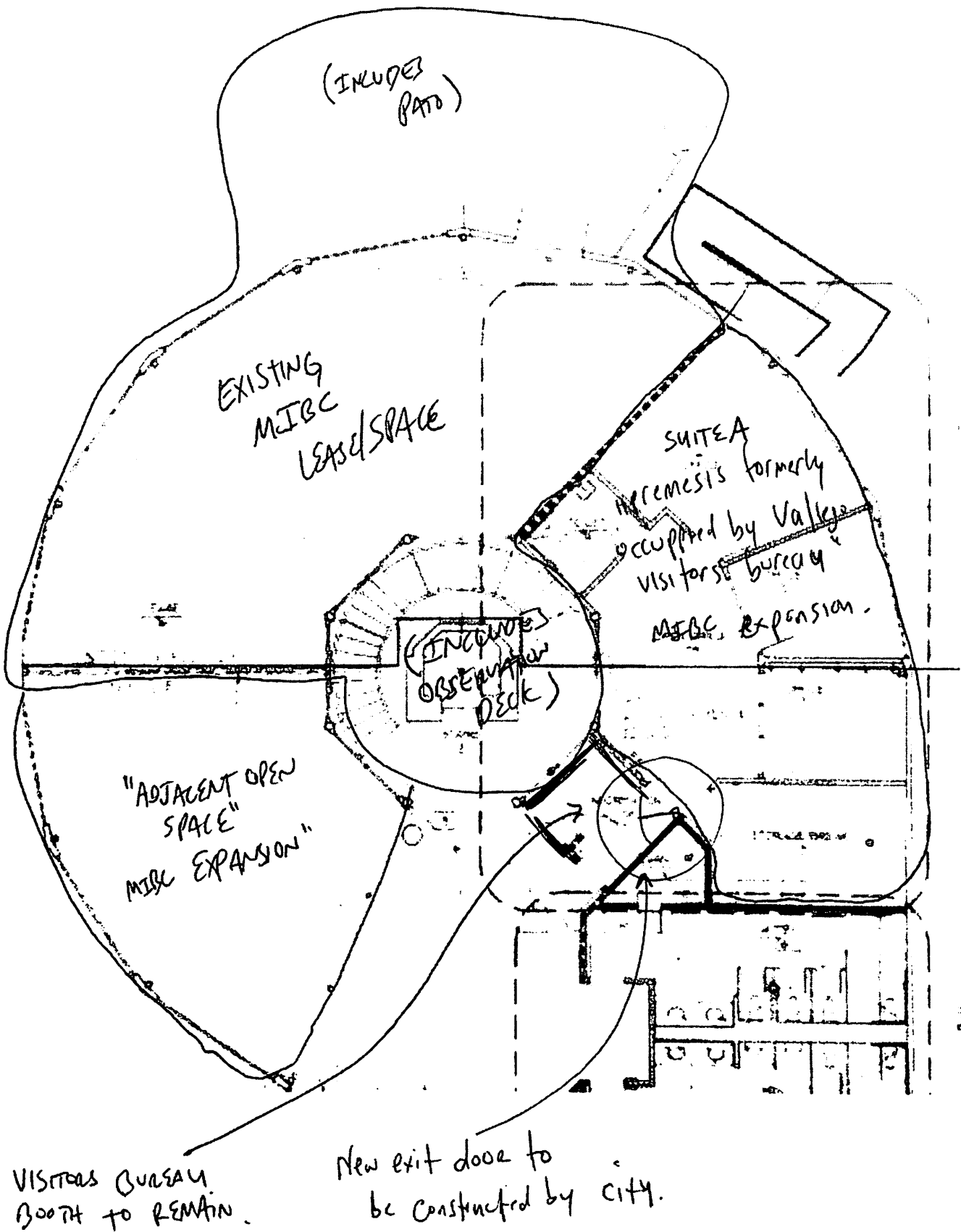
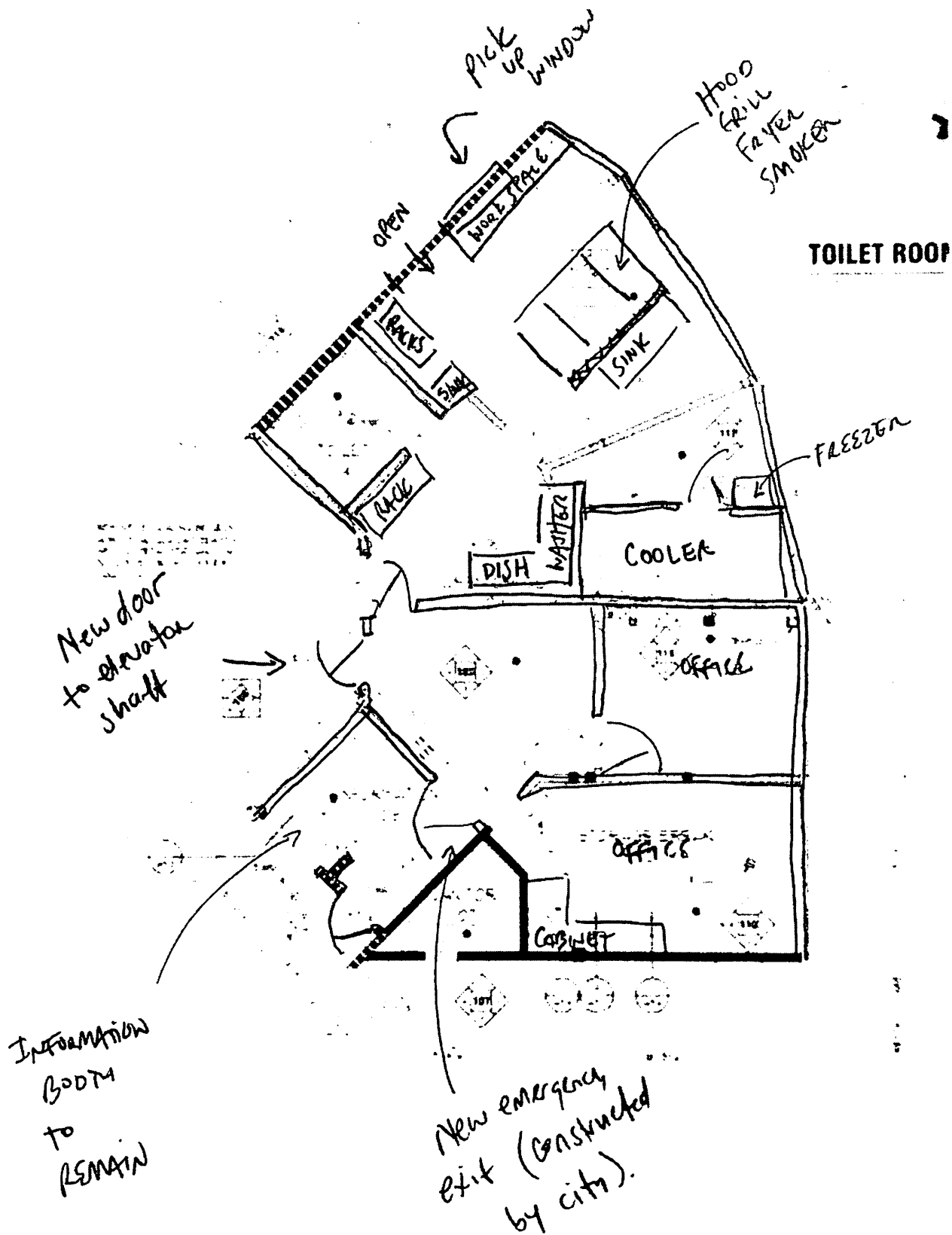


EXHIBIT B

# EXHIBIT B

## APPROXIMATE IMPROVEMENT PLANS

MADE ISLAND BREWING CO. EXPANSION TO VVB SPACE



**THIRD AMENDMENT TO NNN LEASE BY AND BETWEEN  
CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC**

**THIS THIRD AMENDMENT TO NNN LEASE** ("Third Amendment") is made and entered into on September 11<sup>th</sup>, 2017, by and between the City of Vallejo, a California municipal corporation ("Landlord") and Mare Island Brewing Co. LLC, a California limited liability company ("Tenant").

*RECITALS*

- A. Landlord and Tenant entered into that certain NNN Lease dated September 16, 2013 ("original Lease") whereby Tenant leases approximately 1,321 rentable square feet (Premises") for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages.
- B. Landlord and Tenant entered into that certain First Amendment dated February 2, 2017 ("First Amendment") whereby Tenant renewed the first of three successive renewal options for five (5) years each.
- C. Landlord and Tenant entered into that certain Second Amendment dated August 6, 2017 ("Second Amendment") whereby Landlord and Tenant entered into that certain Second Amendment dated August 22, 2017 Tenant exercised the option to expand into the premises formerly occupied by Vallejo Convention and Visitor's Bureau – Suite A and an adjacent open space, which together comprise of approximately 1,100 square feet ("Expanded Premises"), pursuant to Section 22 (Option to Expand) of Addendum to Lease to the original lease. The Expanded Premises does not include the informational booth located within Suite A that will continue to be occupied by the Vallejo Convention and Visitors Bureau.
- D. Tenant will be retrofitting the Visit Vallejo space and providing other improvements and in compensation for such work will be granted free rent through November 1, 2017 as compensation for the additional cost and expense.
- E. The original Lease, the First Amendment, Second Amendment, and this Third Amendment are collectively referred to herein as the "Lease". There have been no other amendments to or modifications of the Lease.

NOW, THEREFORE, in consideration of the foregoing recitals and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Landlord and Tenant hereby agree as follows:

**1. Premises, AS IS.**

Tenant is familiar with the existing condition of the Expanded Premises and acknowledges that Landlord has made no representations or warranties in that regard, and hereby accepts the Expanded Premises in their "AS IS" condition as of the effective date.

## **2. Effective Date and Expiration.**

The effective date of the Expansion Term is November 1, 2017 and will expire on March 31, 2022.

## **3. Expansion Option is Personal.**

This expansion option is not transferable. Landlord and Tenant acknowledge and agree that they intend that this expansion to be "personal" to Tenant as set forth herein and that in no event will any assignee or subtenant have any rights to exercise this expansion option.

## **4. Base Rent.**

The base rent for the Expanded Premises shall be One Thousand Twenty Dollars and 25/100 (\$1,020.25) per month plus the applicable percentage rent and triple net expenses assessed at \$.20/sf/mo. Base rent for the Expanded Premises shall be adjusted subject to Section 20 of Addendum to Lease (Base Rent During Term Subject to CPI Increase) to the original Lease. Base Rent for the entire space will be abated until November 1, 2017 as compensation for additional work in retro fitting the adjacent space for Visit Vallejo.

## **5. Additional Rent.**

Tenant shall pay Additional Rent on the Expanded Premises during the Expansion Term and any future extension options pursuant to the Lease.

## **6. Ratification; Entire Agreement**

Landlord and Tenant do hereby ratify and affirm all of the terms, conditions and covenants of the Lease as amended by this Third Amendment. The original Lease, First Amendment, Second Amendment, together with this Third Amendment, along with any exhibits and attachments to the original Lease and First Amendment do hereto constitute the entire agreement between the Landlord and Tenant relative to the Premises and the Expanded Premises. The Lease may be altered, amended or revoked only by an instrument in writing signed by both Landlord and Tenant.

## **7. Binding Effect.**

This Third Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, executors, successors, and/or assigns, subject to Section 3 herein and the provisions of the Lease.

## **8. Governing Law.**

This Third Amendment shall be governed by and construed in accordance with the laws of the State of California.

## **9. Counterparts.**

This Third Amendment may be executed by one or more of the parties to this Third Amendment on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

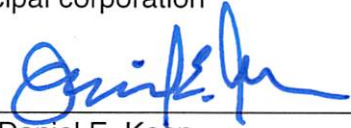
**SIGNATURES ON THE FOLLOWING PAGE**

**IN WITNESS WHEREOF**, the parties hereto have duly executed and delivered this Third Amendment, all as of the day and year first written above.

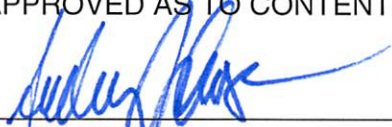
TENANT:  
MARE ISLAND BREWING CO, LLC  
a California limited liability company

By:   
Kent Fortner  
Its: President

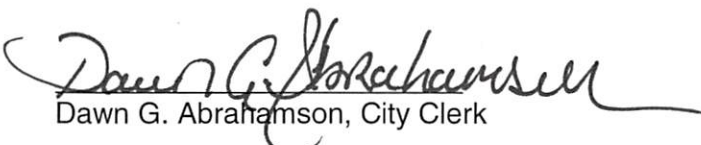
LANDLORD:  
CITY OF VALLEJO,  
a municipal corporation

By:   
Name: Daniel E. Keen  
Its: City Manager  
Date: 9/15/17

APPROVED AS TO CONTENT:

  
Andrea J. Ouse, AICP  
Community & Economic Development  
Director

ATTEST:

  
Dawn G. Abrahamson, City Clerk



APPROVED AS TO FORM AND  
INSURANCE:

  
Claudia Quintana, City Attorney



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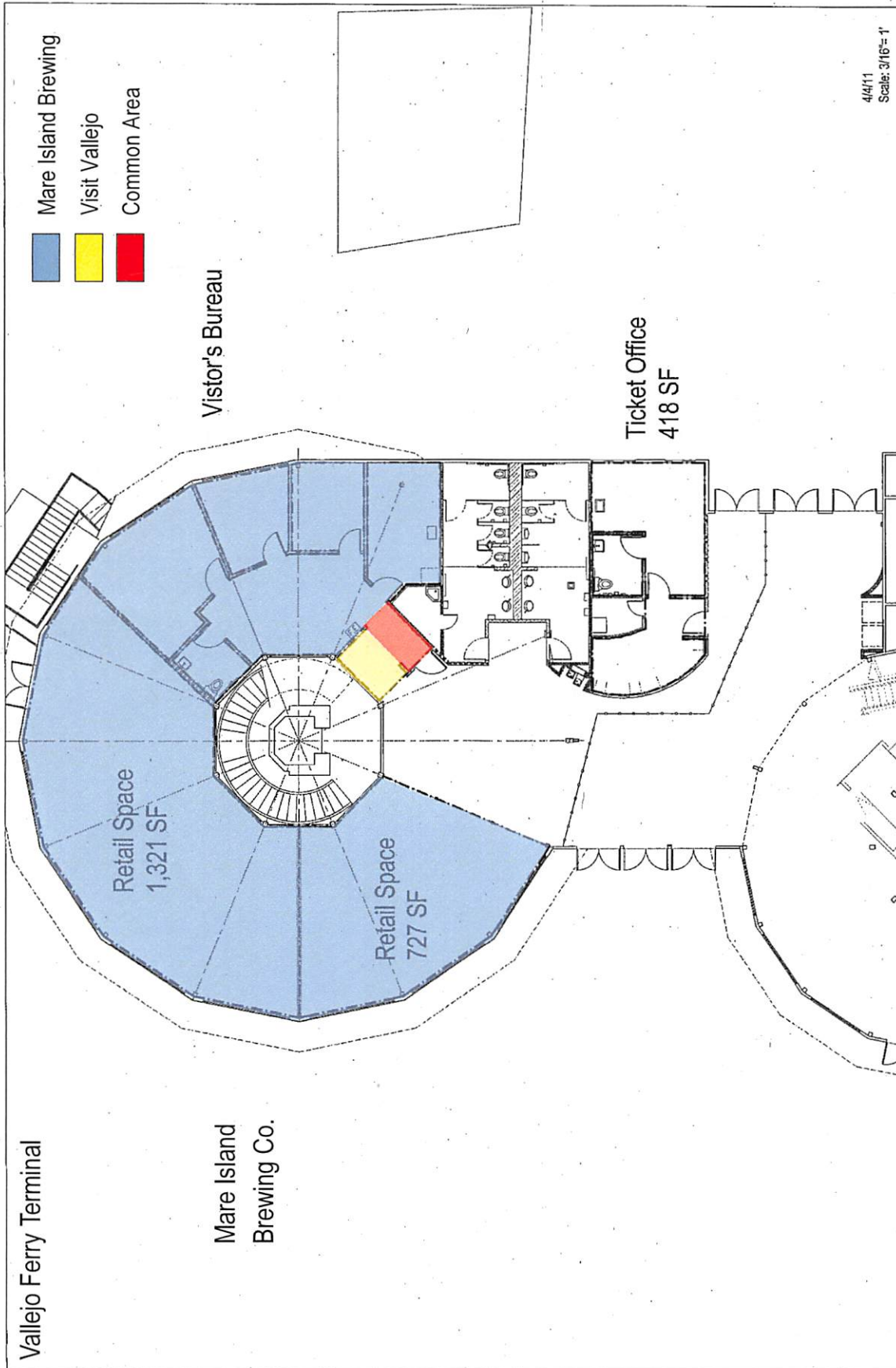
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☐ Amendment to (or) Scope of Work to existing contract:

CONTRACT NUMBER: \_\_\_\_\_

PO # (if applicable): \_\_\_\_\_

## SIGNATURE ROUTING COVERSHEET

(ALL FIELDS IN RED ARE REQUIRED)

|                                                                                                                                             |                             |                                   |                |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------|----------------|
| Staff Contact:                                                                                                                              | Justin Peters               | Dept:                             | ECONOMIC DEV   |
| Date Originated:                                                                                                                            | 02/04/2019                  | Authority:                        | DEPT HEAD (DH) |
| Description of Attached: (In box below, describe the scope in one sentence. This box should be <u>very clear</u> of what's being approved.) |                             |                                   |                |
| Fourth Amendment to NNN Lease <i>Justin: explanation needs to be more descriptive.</i>                                                      |                             |                                   |                |
| Vendor Name:                                                                                                                                | Mare Island Brewing Company | Vendor #:                         | N/A            |
| Total Contract amount:                                                                                                                      | \$ 6,600.00 per year        | Annual not to exceed: (or N/A)    | \$ N/A         |
| Start Date:                                                                                                                                 | 10/1/18                     | End Date:                         | 3/31/22        |
| # of Years Option to Extend:                                                                                                                | 5 - FIVE                    | CC Approval Date (if applicable): |                |
| Business License #:                                                                                                                         | 00015570                    | Insurance Exp Date:               |                |

## ROUTING ORDER:

(provide 2 printed copies of contracts, business license, and insurance)

|                                                        | INITIALS           | DATE    |
|--------------------------------------------------------|--------------------|---------|
| <input checked="" type="checkbox"/> Department Head    | <i>[Signature]</i> | 2/4/19  |
| <input checked="" type="checkbox"/> Risk Division      | EL                 | 3/4/19  |
| <input checked="" type="checkbox"/> Finance            | GA                 | 3/5/19  |
| <input checked="" type="checkbox"/> City Attorney      | SE                 | 3/6/19  |
| <input checked="" type="checkbox"/> City Manager       | MS                 | 3/11/19 |
| <input checked="" type="checkbox"/> City Clerk         | <i>[Signature]</i> | 3/20/19 |
| o Notary needed (highlight in color if it's needed)    |                    |         |
| o Recording needed (highlight in color if it's needed) |                    |         |

Return executed copy to: \_\_\_\_\_

CLEAR FORM

SAVE

PRINT

**FOURTH AMENDMENT TO NNN LEASE BY AND BETWEEN  
CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC**

**THIS FOURTH AMENDMENT TO NNN LEASE** ("Fourth Amendment") is made and entered into on October 1, 2018, by and between the City of Vallejo, a California municipal corporation ("Landlord") and Mare Island Brewing Co. LLC, a California limited liability company ("Tenant").

*RECITALS*

- A. Landlord and Tenant entered into that certain NNN Lease dated September 16, 2013 ("original Lease") whereby Tenant leases approximately 1,321 rentable square feet ("Premises") for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages.
- B. Landlord and Tenant entered into that certain First Amendment dated February 2, 2017 ("First Amendment") whereby Tenant renewed the first of three successive renewal options for five (5) years each.
- C. Landlord and Tenant entered into that certain Second Amendment dated August 6, 2017 ("Second Amendment") whereby Landlord and Tenant entered into that certain Second Amendment dated August 22, 2017 Tenant exercised the option to expand into the premises formerly occupied by Vallejo Convention and Visitor's Bureau- Suite A and an adjacent open space, which together comprise of approximately 1,100 square feet ("Expanded Premises"), pursuant to Section 22 (Option to Expand) of Addendum to Lease to the original lease. The Expanded Premises does not include the informational booth located within Suite A that will continue to be occupied by the Vallejo Convention and Visitors Bureau.
- D. Landlord and Tenant entered into that Third Amendment dated September 11, 2017 ("Third Amendment") whereby Tenant retrofitted the Visit Vallejo space and provided other improvements and in compensation for such work were granted free rent through November 1, 2017.
- E. Tenant performed utility upgrades and other improvements to the Premises in compensation for such work will be granted base rent reduction pursuant to Section 3 below.
- F. The original Lease, the First Amendment, Second Amendment, Third Amendment, and this Fourth Amendment are collectively referred to herein as the "Lease". There have been no other amendments to or modifications of the Lease.

NOW, THEREFORE, in consideration of the foregoing recitals and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Landlord and Tenant hereby agree as follows:

**1. Premises, AS IS.**

Tenant is familiar with the existing condition of the Premises and acknowledges that Landlord has made no representations or warranties in that regard, and hereby accepts the Premises in their "AS IS" condition as of the effective date.

**2. Effective Date and Expiration.**

The effective date of the Monthly rent reduction Term is October 1, 2018 and will expire on March 31, 2022.

**3. Base Rent.**

The base rent for the Premises shall be reduced \$550 per month or \$6,600 per year. The new base rent will be Two Thousand Seventy Eight Dollars and 10/100 (\$2,078.10) per month. Base rent for the Premises shall be adjusted subject to Section 20 of Addendum to Lease (Base Rent during Term Subject to CPI Increase) to the original Lease.

**4. Ratification; Entire Agreement**

Landlord and Tenant do hereby ratify and affirm all of the terms, conditions and covenants of the Lease as amended by this Fourth Amendment. The original Lease, First Amendment, Second Amendment, Third Amendment, together with this Fourth Amendment along with any exhibits and attachments to the original Lease and Amendments do hereto constitute the entire agreement between the Landlord and Tenant relative to the Premises and the Expanded Premises. The Lease may be altered, amended or revoked

only by an instrument in writing signed by both Landlord and Tenant.

**5. Binding Effect.**

This Fourth Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, executors, successors, and/or assigns, subject to Section 3 herein and the provisions of the Lease.

**6. Governing Law.**

This Fourth Amendment shall be governed by and construed in accordance with the laws of the State of California.

**7. Counterparts.**

This Fourth Amendment may be executed by one or more of the parties to this Fourth Amendment on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

**SIGNATURES ON THE FOLLOWING PAGE**

IN WITNESS WHEREOF, the parties hereto have duly executed and delivered this First Amendment, all as of the day and year first written above.

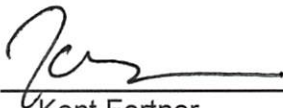
LANDLORD:

CITY OF VALLEJO, a municipal corporation

By:   
Name: Greg Nyhoff  
Its: City Manager  
Date: 3/11/19

TENANT:

MARE ISLAND BREWING CO, LLC  
a California limited liability company

By:   
Kent Fortner  
Its: President

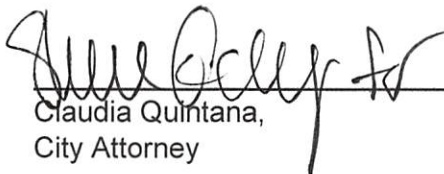
ATTEST:

By:  (City Seal)  
Dawn G. Abrahamson  
City Clerk

APPROVED AS TO CONTENT:

By:   
Will Morat  
Assistant to the City Manager

APPROVED AS TO FORM:

By:   
Claudia Quintana,  
City Attorney



APPROVED AS TO INSURANCE

By:   
Erika Leahy  
Risk Management

IN WITNESS WHEREOF, the Board has caused this Charter to be signed and sealed this 1st day of May, 1900.

THAT

CHARTER

ALL CO. OF THE BOARD OF THE CITY OF ALBUQUERQUE, N.M.

ALL CO. OF THE BOARD OF THE CITY OF ALBUQUERQUE, N.M.

\_\_\_\_\_  
Attest:  
City Clerk

\_\_\_\_\_  
Attest:  
City Clerk

(1900)

\_\_\_\_\_  
Attest:  
City Clerk

APPROVED AS TO FORM

\_\_\_\_\_  
Attest:  
City Clerk



APPROVED AS TO FORM

\_\_\_\_\_  
Attest:  
City Clerk

APPROVED AS TO SUBSTANCE

\_\_\_\_\_  
Attest:  
City Clerk



**FOURTH AMENDMENT TO NNN LEASE BY AND BETWEEN  
CITY OF VALLEJO AND MARE ISLAND BREWING CO. LLC**

**THIS FOURTH AMENDMENT TO NNN LEASE** ("Fourth Amendment") is made and entered into on October 1, 2018, by and between the City of Vallejo, a California municipal corporation ("Landlord") and Mare Island Brewing Co. LLC, a California limited liability company ("Tenant").

*RECITALS*

- A. Landlord and Tenant entered into that certain NNN Lease dated September 16, 2013 ("original Lease") whereby Tenant leases approximately 1,321 rentable square feet ("Premises") for the sale and tasting of on-tap beer and wine as well as non-alcoholic beverages.
- B. Landlord and Tenant entered into that certain First Amendment dated February 2, 2017 ("First Amendment") whereby Tenant renewed the first of three successive renewal options for five (5) years each.
- C. Landlord and Tenant entered into that certain Second Amendment dated August 6, 2017 ("Second Amendment") whereby Landlord and Tenant entered into that certain Second Amendment dated August 22, 2017 Tenant exercised the option to expand into the premises formerly occupied by Vallejo Convention and Visitor's Bureau- Suite A and an adjacent open space, which together comprise of approximately 1,100 square feet ("Expanded Premises"), pursuant to Section 22 (Option to Expand) of Addendum to Lease to the original lease. The Expanded Premises does not include the informational booth located within Suite A that will continue to be occupied by the Vallejo Convention and Visitors Bureau.
- D. Landlord and Tenant entered into that Third Amendment dated September 11, 2017 ("Third Amendment") whereby Tenant retrofitted the Visit Vallejo space and provided other improvements and in compensation for such work were granted free rent through November 1, 2017.
- E. Tenant performed utility upgrades and other improvements to the Premises in compensation for such work will be granted base rent reduction pursuant to Section 3 below.
- F. The original Lease, the First Amendment, Second Amendment, Third Amendment, and this Fourth Amendment are collectively referred to herein as the "Lease". There have been no other amendments to or modifications of the Lease.

NOW, THEREFORE, in consideration of the foregoing recitals and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, Landlord and Tenant hereby agree as follows:

**1. Premises, AS IS.**

Tenant is familiar with the existing condition of the Premises and acknowledges that Landlord has made no representations or warranties in that regard, and hereby accepts the Premises in their "AS IS" condition as of the effective date.

**2. Effective Date and Expiration.**

The effective date of the Monthly rent reduction Term is October 1, 2018 and will expire on March 31, 2022.

**3. Base Rent.**

The base rent for the Premises shall be reduced \$550 per month or \$6,600 per year. The new base rent will be Two Thousand Seventy Eight Dollars and 10/100 (\$2,078.10) per month. Base rent for the Premises shall be adjusted subject to Section 20 of Addendum to Lease (Base Rent during Term Subject to CPI Increase) to the original Lease.

**4. Ratification; Entire Agreement**

Landlord and Tenant do hereby ratify and affirm all of the terms, conditions and covenants of the Lease as amended by this Fourth Amendment. The original Lease, First Amendment, Second Amendment, Third Amendment, together with this Fourth Amendment along with any exhibits and attachments to the original Lease and Amendments do hereto constitute the entire agreement between the Landlord and Tenant relative to the Premises and the Expanded Premises. The Lease may be altered, amended or revoked

only by an instrument in writing signed by both Landlord and Tenant.

**5. Binding Effect.**

This Fourth Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, executors, successors, and/or assigns, subject to Section 3 herein and the provisions of the Lease.

**6. Governing Law.**

This Fourth Amendment shall be governed by and construed in accordance with the laws of the State of California.

**7. Counterparts.**

This Fourth Amendment may be executed by one or more of the parties to this Fourth Amendment on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

**SIGNATURES ON THE FOLLOWING PAGE**

IN WITNESS WHEREOF, the parties hereto have duly executed and delivered this First Amendment, all as of the day and year first written above.

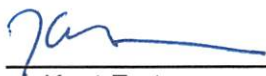
LANDLORD:

CITY OF VALLEJO, a municipal corporation

By:   
Name: Greg Nyhoff  
Its: City Manager  
Date: 3/11/19

TENANT:

MARE ISLAND BREWING CO, LLC  
a California limited liability company

By:   
Kent Fortner  
Its: Managing Member, LLC

ATTEST:

By:  (City Seal)  
Dawn G. Abrahamson  
City Clerk

APPROVED AS TO CONTENT:

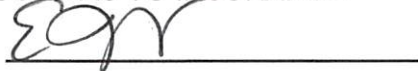
By:   
Will Morat  
Assistant to the City Manager

APPROVED AS TO FORM:

By:   
Claudia Quintana,  
City Attorney



APPROVED AS TO INSURANCE

By:   
Erika Leahy  
Risk Management

IN THE CITY OF LOS ANGELES, the undersigned, a duly qualified and licensed architect, do hereby certify that the above is a true and correct copy of the original as submitted to the City of Los Angeles for its approval.

APPROVED AS TO FORM  
BY \_\_\_\_\_  
City Clerk  
APPROVED AS TO CONTENT  
BY \_\_\_\_\_  
City Engineer

APPROVED AS TO FORM  
BY \_\_\_\_\_  
City Clerk  
APPROVED AS TO CONTENT  
BY \_\_\_\_\_  
City Engineer

APPROVED AS TO FORM  
BY \_\_\_\_\_  
City Clerk  
APPROVED AS TO CONTENT  
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City Engineer



APPROVED AS TO FORM  
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City Clerk  
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City Engineer

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City Clerk  
APPROVED AS TO CONTENT  
BY \_\_\_\_\_  
City Engineer

APPROVED AS TO FORM  
BY \_\_\_\_\_  
City Clerk  
APPROVED AS TO CONTENT  
BY \_\_\_\_\_  
City Engineer



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/28/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

|                                                                                                                                |                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCER</b><br>Leavitt United Insurance Services, Inc.<br>Lic #0J02939<br>2358 Maritime Dr., Ste 100<br>Elk Grove CA 95758 | <b>CONTACT NAME:</b> Paige Allen<br><b>PHONE (A/C, No, Ext):</b> 707-224-0630<br><b>FAX (A/C, No):</b> (888) 329-8842<br><b>E-MAIL ADDRESS:</b> paige-allen@leavitt.com                                |
| <b>INSURED</b><br>Mare Island Brewing Co., LLC<br>851 Waterfront Avenue<br>Vallejo CA 94592                                    | <b>INSURER(S) AFFORDING COVERAGE</b><br><b>INSURER A:</b> Nationwide Mutual Insurance Company<br><b>INSURER B:</b><br><b>INSURER C:</b><br><b>INSURER D:</b><br><b>INSURER E:</b><br><b>INSURER F:</b> |

**COVERAGES** **CERTIFICATE NUMBER:** 19-20 **Renewal** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE                                                                                                                                                                                                                                                                                              | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS                                                                                                                                                                                                                                                                     |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|---------------|-------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC<br>OTHER: | X         |          | ACP3056426080 | 12/13/2018              | 12/13/2019              | EACH OCCURRENCE \$ 1,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000<br>MED EXP (Any one person) \$ 10,000<br>PERSONAL & ADV INJURY \$ 1,000,000<br>GENERAL AGGREGATE \$ 2,000,000<br>PRODUCTS - COMP/OP AGG \$ 2,000,000<br>Liquor Liability \$ 1,000,000 |
| A        | <input checked="" type="checkbox"/> AUTOMOBILE LIABILITY<br><input checked="" type="checkbox"/> ANY AUTO<br>ALL OWNED AUTOS<br>HIRED AUTOS<br><input type="checkbox"/> SCHEDULED AUTOS<br><input type="checkbox"/> NON-OWNED AUTOS                                                                             |           |          | ACP3056426080 | 12/13/2018              | 12/13/2019              | COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$<br>\$                                                                                                            |
| A        | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED RETENTION \$                                                                                                                   |           |          | ACP3056426080 | 12/13/2018              | 12/13/2019              | EACH OCCURRENCE \$ 1,000,000<br>AGGREGATE \$ 1,000,000<br>\$                                                                                                                                                                                                               |
|          | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                         | Y/N       | N/A      |               |                         |                         | PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/><br>E.L. EACH ACCIDENT \$<br>E.L. DISEASE - EA EMPLOYEE \$<br>E.L. DISEASE - POLICY LIMIT \$                                                                                                           |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
City of Vallejo, Economic Development Department and Kennedy Wilson Properties Group are included as additional insured in regards to General Liability per form CG 20 11 04/13 per written contact with respect to location: 289 Mare Island Way, Vallejo, CA 94590.

**CERTIFICATE HOLDER**

City of Vallejo  
555 Santa Clara Street  
Vallejo, CA 94590-5922

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Paige Allen/PAALLE

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## BUSINESS LICENSE

## CITY OF VALLEJO

TAX COLLECTOR'S OFFICE, City Hall, 555 Santa Clara St., Vallejo, CA. This certificate is evidence that the person(s), firm, or corporation named hereon has paid the tax required by Chapter 5.04 of the City of Vallejo Municipal Code for the type of business, the business address and for the period indicated hereon. This certificate is issued without verification that the taxpayer is subject to or exempted from licensing by local, state, Federal or other agencies. Issuance of this certificate is not an endorsement, nor a certificate of compliance with other ordinances or laws, nor an assurance that the proposed use is in conformance with the City's Building/Fire/Zoning regulations.

THE PAYMENT OF THIS BUSINESS LICENSE TAX AND ITS ACCEPTANCE BY THE CITY SHALL NOT ENTITLE ANY PERSON TO CARRY ON ANY UNLAWFUL BUSINESS, NOR DOES IT AUTHORIZE THE CONDUCT OR CONTINUANCE OF ANY ILLEGAL OR UNLAWFUL BUSINESS, OR ANY BUSINESS IN VIOLATION OF ANY ORDINANCE OF THE CITY.

BUSINESS NAME: MARE ISLAND BREWING CO  
BUSINESS LOCATION: 289 MARE ISLAND WAY DOM-1 VALLEJO CA 94590  
OWNER NAME: KENT FORTNER

BUSINESS LICENSES NUMBER: 19-00015570

MARE ISLAND BREWING CO  
289 MARE ISLAND WAY G  
VALLEJO CA 94590

EXPIRATION DATE: June 30, 2019

TO BE POSTED IN A CONSPICUOUS PLACE

NOT TRANSFERABLE

ORIGINAL DOCUMENT - DO NOT DESTROY

**ORIGINAL DOCUMENT  
DO NOT DESTROY**



**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Brad Job, Public Works Director  
**SUBJECT:** **ADOPT A RESOLUTION APPROVING A NEW SUBDIVISION IMPROVEMENT AGREEMENT FOR FAIRVIEW AT NORTHGATE, PHASE 1, AND THE CONSTRUCTION PLANS FOR THE FAIRVIEW AT NORTHGATE BLUE ROCK SPRINGS CREEK BRIDGE AND ADMIRAL CALLAGHAN LANE & TURNER PARKWAY, VALLEJO CALIFORNIA**

---

**RECOMMENDATION**

Adopt a Resolution approving a new Subdivision Improvement Agreement for Fairview at Northgate, Phase 1, and the construction plans for the Fairview at Northgate Blue Rock Springs Creek Bridge and Admiral Callaghan Lane & Turner Parkway, Vallejo, California.

**REASONS FOR RECOMMENDATION**

Public Works recommends approval of the Subdivision Improvement Agreement to allow the Developer to continue its work to complete the required public improvements and further recommends that the City Council approve the construction plans for the Fairview at Northgate Blue Rock Springs Creek Bridge, located on Admiral Callaghan Lane at the southern end of the proposed Costco development, just south of the Turner Parkway intersection, and the construction plans for Admiral Callaghan Lane & Turner Parkway, Vallejo, California.

**BACKGROUND AND DISCUSSION**

On June 9, 2020, the City approved the vesting tentative map entitled "Vesting Tentative Map Fairview at Northgate, Vallejo, California", dated September 2018 and revised April 2020 (TM17-002) (the "Vesting Tentative Map"), for the Subdivision and other land use entitlements (PD 17-007, UP 18-007, ZMA 17-001) applicable to said Subdivision and/or the land encompassed within the Subdivision. Conditions of approval for the Fairview at Northgate development project, Phase 1 (including the new Costco), require the Developer to construct frontage improvements along Admiral Callaghan Lane, including, among other improvements, widening Admiral Callaghan Lane and installing a new bridge across the Blue Rock Springs Creek at the southerly end of Admiral Callaghan Lane.

A new Subdivision Improvement Agreement will allow the Developer additional time to complete the improvements, including installation of the Blue Rock Springs Creek Bridge.

The construction plans for the Fairview at Northgate Blue Rock Springs Creek Bridge in Vallejo, California, were prepared by RNR, Construction, Inc., a true copy of which is on file in the Office of the City Clerk of the City of Vallejo, have been reviewed and approved by the City Engineer. The construction plans are being presented to the City Council for approval.

The construction plans for Admiral Callaghan Lane & Turner Parkway, Vallejo, California, were prepared by Kier & Wright, dated May 2025, a true copy of which is on file in the Office of the City Clerk of the City of Vallejo, have been reviewed and approved by the City Engineer. The construction plans are being presented to the City Council for approval.



**Subject: ADOPT A RESOLUTION APPROVING A NEW SUBDIVISION IMPROVEMENT  
AGREEMENT FOR FAIRVIEW AT NORTHGATE, PHASE 1, AND THE  
CONSTRUCTION PLANS FOR THE FAIRVIEW AT NORTHGATE BLUE ROCK  
SPRINGS CREEK BRIDGE AND ADMIRAL CALLAGHAN LANE & TURNER  
PARKWAY, VALLEJO CALIFORNIA**

**Page 2**

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**FISCAL IMPACT**

There is no fiscal impact on the General Fund. This project is funded solely by private development.

**ENVIRONMENTAL REVIEW**

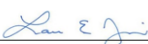
The Vallejo City Council certified the Environmental Impact Report (EIR) prepared for the Fairview at Northgate Project (SCH#2018102007) on June 9, 2020.

**ATTACHMENTS**

|    |                                                                                             |
|----|---------------------------------------------------------------------------------------------|
| 1. | Resolution Approving SIA and Construction Plans for Fairview at Northgate Phase 1_CAO Stamp |
| 2. | Subdivision Improvement Agreement_CAO Stamp                                                 |

**CONTACT**

Brad Job, Public Works Director (707) 648-4433  
[Leonard.job@cityofvallejo.net](mailto:Leonard.job@cityofvallejo.net)

By:  for  
Veronica A.F. Nebb  
City Attorney

**RESOLUTION NO. 26-\_\_\_\_\_**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A NEW SUBDIVISION IMPROVEMENT AGREEMENT FOR FAIRVIEW AT NORTHGATE, PHASE 1, AND THE CONSTRUCTION PLANS FOR THE FAIRVIEW AT NORTHGATE BLUE ROCK SPRINGS CREEK BRIDGE**

**WHEREAS**, on June 9, 2020, the City approved the vesting tentative map entitled “Vesting Tentative Map Fairview at Northgate, Vallejo, California”, dated September 2018 and revised April 2020 (TM17-002) (the “Vesting Tentative Map”), for the Subdivision and other land use entitlements (PD 17-007, UP 18-007, ZMA 17-001) applicable to said Subdivision and/or the land encompassed within the Subdivision (collectively referred to as the “Approvals”); and

**WHEREAS**, said Approvals, City ordinances, and City policies require the Developer to enter into an agreement with City whereby Developer agrees to construct street, utility, and other public improvements including the Blue Rock Springs Creek Bridge (“Improvements”) by the time specified in said agreement; and

**WHEREAS**, a new Subdivision Improvement Agreement by and between the City of Vallejo and Vallejo-Fairview Developers, LLC, a Delaware limited liability corporation, has been prepared for Council’s approval which provides Developer until May 13, 2028 to complete the Improvements; and

**WHEREAS**, the Construction Plans for the Fairview at Northgate Blue Rock Springs Creek Bridge in Vallejo, California, consisting of 18 sheets prepared by RNR, Construction, Inc., a true copy of which is on file in the Office of the City Clerk of the City of Vallejo, have been reviewed and approved by the City Engineer; and

**WHEREAS**, the Construction Plans for Admiral Callaghan Lane & Turner Parkway, Vallejo, California, consisting of 30 sheets prepared by Kier & Wright, dated May 2025, a true copy of which is on file in the Office of the City Clerk of the City of Vallejo, have been reviewed and approved by the City Engineer.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Vallejo hereby approves the Subdivision Improvement Agreement for Fairview at Northgate, Phase 1, which agreement is attached hereto as Exhibit A and incorporated by reference.

**BE IT FURTHER RESOLVED** that the City Council hereby authorizes the City Manager or their designee to execute the Agreement, with any modifications recommended by the City Attorney and the City Clerk to attest.

**BE IT FURTHER RESOLVED** that the City Council of Vallejo hereby approves the Construction Plans for the Fairview at Northgate Blue Rock Springs Creek Bridge.

**BE IT FURTHER RESOLVED** that the City Council of Vallejo hereby approves the Construction Plans for Admiral Callaghan Lane & Turner Parkway, Vallejo, California.

Adopted by the City Council of the City of Vallejo at the meeting held on May 12, 2026, with the following vote:

AYES:

NOES:

ABSENT:

\_\_\_\_\_  
ANDREA SORCE, MAYOR

ATTEST:

\_\_\_\_\_  
DAWN G. ABRAHAMSON, CITY CLERK

Approved as to form:  
By:  for  
Veronica A.F. Nello  
City Attorney

**RECORDING REQUESTED BY:  
City of Vallejo**

**AND WHEN RECORDED MAIL TO:**

**City Clerk  
City of Vallejo  
555 Santa Clara Street  
Vallejo, CA 94590**

---

A portion of APN: 010-490-010

Exempt from recording fees pursuant to Gov. Code §27383

**SUBDIVISION IMPROVEMENT AGREEMENT  
(FAIRVIEW AT NORTHGATE, PHASE 1)**

This Subdivision Improvement Agreement (“Agreement”) is made and entered into as of May 13, 2026 (“Effective Date”), by and between Vallejo-Fairview Developers, LLC, a Delaware limited liability corporation whose business address is: Lewis Management Corporation, 9216 Kiefer Boulevard, Suite 4, Sacramento, CA 95826, hereinafter referred to as “Subdivider” of that certain subdivision known as Fairview at Northgate Project (“Subdivision”), and the City of Vallejo, a municipal corporation and charter city, hereinafter referred to as “City.”

**Recitals**

WHEREAS, on June 9, 2020, the City approved the vesting tentative map entitled “Vesting Tentative Map Fairview at Northgate, Vallejo, California”, dated September 2018 and revised April 2020 (TM17-002) (the “Vesting Tentative Map”), for the Subdivision and other land use entitlements (PD 17-007, UP 18-007, ZMA 17-001) applicable to said Subdivision and/or the land encompassed within the Subdivision (collectively referred to as the “Approvals”); and

WHEREAS, Subdivider, pursuant to the State of California Subdivision Map Act and all applicable ordinances of City, presented to City a bond in the amount that will cover the cost of design and construction of the Improvements (defined herein) to be constructed by Subdivider for Phase 1 of the above-mentioned Subdivision; and

WHEREAS, on March 28, 2023, Subdivider presented a Final Map of Fairview At Northgate-Phase 1 (“Final Map”) to City for approval; and

WHEREAS, Subdivider requested approval of said Final Map prior to construction and completion of such Improvements; and

WHEREAS, said Approvals, City ordinances, and City policies require Subdivider to enter into

an agreement with City whereby Subdivider agrees to have said Improvements completed by the time specified in said agreement; and

WHEREAS, City and Subdivider are parties to that certain Public Infrastructure Construction and Reimbursement Agreement dated November 10, 2021 (the "PICRA") which concerns in part the construction of the Improvements. It is not the intent of City and Subdivider to amend the PICRA in this SIA.

NOW, THEREFORE, it is hereby agreed by and between the parties hereto as follows:

#### Agreement

1. Prior to the expiration of two years from the Effective Date, and subject to extension as provided herein, Subdivider will construct, to the City's satisfaction, all improvements as outlined and set forth on the vesting tentative map entitled "Vesting Tentative Map Fairview at Northgate, Vallejo, California," dated September 2018 and revised April 2020 (TM 17-002)("Vesting Tentative Map"), for the Subdivision and other land use entitlements (PD 17-007, UP 18-007 and ZMA 17-001) together with all Conditions of Approval applicable to Phase 1 of said Subdivision and/or the land encompassed within the Subdivision (collectively referred to as the "Approvals") and all other improvements required of the Subdivider to be constructed by said ordinances, the Approvals pertaining to Phase 1 of said Subdivision ("Improvements"). Said Approvals are incorporated herein by this reference. Said Improvements are identified in the Approvals, and in Exhibits A and B attached hereto and incorporated herein by reference, and shall include, but are not necessarily limited to, the following:

#### Admiral Callaghan Lane Frontage (East Side) Improvements

The Improvements along the Admiral Callaghan Lane frontage (east side) include:

- Widen the existing two-lane roadway to a four-lane roadway with a raised island fronting Parcels 1 and 2 (raised island width will range from 2 feet to 12 feet).
- Construct turn lanes.
- Rehabilitate the southbound lanes by a grind and overlay pavement treatment.
- Construct curb, gutter, and sidewalk.
- Construct a bridge over the existing creek at the southwest corner of the project site.
- Install a traffic signal at the proposed Costco entrance.
- Construct utility improvements including stubbing 12-inch diameter fire water connections to the adjacent commercial site, potable water and irrigation meter services, storm drain improvements along the proposed northbound lanes, a 24- inch diameter sanitary sewer stub to the commercial site to facilitate the future relocation of the Vallejo Flood & Wastewater District line.
- Install landscaping and irrigation.
- Install public streetlights.
- Relocate the existing overhead utility pole underground at the southwest corner of the project.
- Install landscaping and irrigation.
- Pay the pro-rata cost for the existing Rotary Way traffic signal.

The Admiral Callaghan Lane & Turner Parkway Improvements are shown in the plans prepared by Kier & Wright, dated May 2025, and stamped “Permit Set.”

#### Turner Parkway Frontage (South Side) Improvements

The Improvements along the Turner Parkway Lane frontage (south side) include:

- Modify the existing traffic signal at Turner Parkway/ Admiral Callaghan Lane.
- Along the Parcel 2 frontage:
  - Widen the roadway.
  - Reconstruct the curb, gutter, and sidewalk.
  - Construct a meandering sidewalk.
  - Install a bus turnout and concrete foundation for a future bus stop shelter to be installed by others.
  - Install landscaping and irrigation.

The Admiral Callaghan Lane & Turner Parkway Improvements are shown in the plans prepared by Kier & Wright, dated May 2025, and stamped “Permit Set.”

Fairview at Northgate Blue Rock Springs Creek Bridge Project, plans prepared by Cornerstone Structural Engineering Group, Inc., dated 1/7/2026, comprised of 17 Plan Sheets, to be constructed by RNR, Constructing Incorporated.

2. Said Improvements shall be constructed in accordance with the improvement plans described in Section 1 (sometimes “Plans” or “Plan”).
3. Said Improvements shall also be constructed in accordance with the current edition of the Caltrans Standard Specifications and Standard Plans, the California Manual of Uniform Traffic Control Devices, the City of Vallejo Standard Specifications and Standard Drawings dated December 20, 2011, and the Vallejo Municipal Code (the “Specifications”), as applicable. The foregoing Plans and Specifications are incorporated herein by reference and made a part hereof.
4. Where there is a conflict between the Plans and Specifications described in paragraphs 2 and 3 herein, the more strict requirement shall govern.
5. Upon completion of the Improvements, and as conditions precedent to the acceptance of same and the release of security as provided hereinafter, the physical condition of the Subdivision shall be substantially identical with that depicted on the Vesting Tentative Map and all Approvals and Plans for the Improvements (except as to any other improvements approved by the City in writing). At the request of Subdivider, City shall approve a one-year extension of the 2-year time period, provided the Subdivider is not otherwise in default hereunder. No additional extension of the total five years shall be made except (i) as provided in Section 18 for a Force Majeure Event or (ii) upon the basis of a written application made by Subdivider to the City stating fully the grounds of the application and facts relied upon for such an extension, and City shall retain full discretion to grant, grant in part, or deny the extension. Subdivider shall pay the City's costs of processing any extension in accordance with the City's cost recovery procedures, and any application for an extension may be conditioned upon an increase in security and inspection fees to reflect current

costs, as determined by the City Engineer. Whether any such extension is granted shall be left to the sole, unfettered discretion of the City. Neither such extension nor other delay by City shall constitute a waiver of any of the obligations of Subdivider or Subdivider's surety. Any application for an extension of the said five- (5-) year time period specified herein shall be delivered to the City at least sixty (60) days before the said time period expires (or as provided under Section 18 below for a Force Majeure extension), otherwise, the right to apply for such an extension shall be waived.

6.
  - A. Subdivider shall, at Subdivider's expense, obtain and maintain during the life of this Agreement all necessary permits, approvals, waivers and/or licenses for the construction and installation of the Improvements, give all necessary notices and pay all fees and taxes required by law.
  - B. Prior to and as a condition to the issuance of any grading, building or other permit by City for said Improvements, as a condition to the continued validity of any such permit and prior to the commencement of the Work (defined below), Subdivider shall have obtained and provided to the City evidence that it has obtained, all necessary approvals, licenses, permits, and/or waivers ("third party permits") required for said Improvements from the California Department of Fish and Game, the U.S. Army Corps of Engineers, the Regional Water Quality Control Board and the Vallejo Flood and Wastewater District, and all other agencies with jurisdiction. Subdivider shall comply with said third party permits and their terms and conditions. If at any time any of Subdivider's third party permits obtained from any other agency with jurisdiction lapses, expires, terminates, and/or is revoked and/or Subdivider is served with a notice of violation of any such third party permits by any such agency, the City shall have the right to revoke any grading, building or other permit it issued to Subdivider and halt any and all Work until the third party permits are reinstated or re-issued and/or the notice of violation is rescinded or canceled, as the case may be.
7. Subdivider warrants and guarantees that as of the date of this Agreement, except for any interests offered to and accepted by public agencies, it is the sole owner of the Subdivision and each and every lot, parcel or part thereof; provided that Costco is, or will be by the Effective Date of this Agreement, the owner of Parcel 1 of the Phase 1 Final Map (the "Costco Parcel").
8. Subdivider hereby warrants that the Plans referred to herein are in accordance and conformity with the Approvals and all other plans for the Approvals previously approved by the City, together with all conditions made a part of said Approvals. Subdivider further warrants that said plans and specifications are adequate to accomplish the Improvement work (the "Work") covered by this Agreement in good, workmanlike manner and in accordance with accepted construction practices. Subdivider warrants and shall be solely responsible for ensuring that the design and construction of the Improvements and the Work will not adversely affect any portion of adjacent properties and that all Work will be performed in a proper manner and in accordance with all City-issued permits and third party permits and applicable laws and regulations. Subdivider may modify said Plans and specifications as the development of the Subdivision progresses should unforeseen conditions occur only upon the prior written approval from the City Engineer. Should said Plans and specifications, the Improvements and/or the Work at any time prior to the City's final acceptance of the Improvements referred to herein prove, in the opinion of City, to be inadequate in any respect, then Subdivider shall make such changes in the plans and specifications, Improvements and/or Work as are necessary to satisfy City's requirements, all at no expense to City.

9. The City's Public Works Director shall inspect all of the Improvements to be accepted for maintenance by the City (hereinafter referred to as "Public Improvements"). All Improvements shall be inspected for compliance with this Agreement and City standards, the plans, the conditions of the Approvals, specifications, and development regulations.
10. A. Subdivider shall allow City's duly authorized representatives access to the Work at all times and shall furnish them with every reasonable facility for ascertaining that the methods, materials, and workmanship comply with the requirements and intent of the Improvement plans and this Agreement. Subdivider shall give at least ten days' advance notice of the date upon which the Work is to commence and the date upon which the Work is to be completed. City may reject defective Work and require its repair, replacement, or removal by Subdivider, all at no expense to City. City will use its best efforts to provide timely notice of any defect about which it has actual knowledge, but City's failure to provide such notice shall not constitute a waiver or affect any of City's rights or remedies or provide a defense to Subdivider.
- B. Upon final completion and acceptance of all said Work in accordance with this Agreement, the City Engineer, in accordance with City regulations, shall notify Subdivider in writing of his acknowledgment of acceptance of same. Except as otherwise provided herein, for a period of one year from and after the date of said acceptance of said Work, Subdivider shall guarantee and warrant all the Improvements constructed under the provisions of this Agreement against defective work or labor done or defective materials furnished and shall repair any defects or failures which may appear in the Improvements during said one year period and further correct the causes of said defects or failures. Neither the written acknowledgment of acceptance hereinabove referred to nor any periodic or progress inspection or approval shall waive any defect in the Improvements or any breach of this Agreement. Acceptance of any part of any stage of said improvement Work shall not be final until the written notice of final acceptance of all the Improvements shall have been delivered to Subdivider as required herein.
- C. City shall not be required to exonerate any surety, release any security relating to satisfactory completion of the Improvements or issue occupancy permits until acceptance of Public Improvements by the City or, in the case of Improvements which will not be dedicated to and accepted by the City, until the Improvements have passed final inspection by the City. In addition, release of security, exoneration of sureties and issuance of occupancy permits will be predicated upon the receipt of required maintenance and/or warranty agreements and security therefor, in forms acceptable to the City.
- D. No Improvements shall be accepted by the City unless and until they are free of all liens and encumbrances, and free of all material defects and conditions which may create a hazard to the public health, safety, or welfare. In addition, all properties, rights-of-way, easements, and other interests to be dedicated to the City shall be, before acceptance thereof by the City, free and clear of all liens and encumbrances of any kind or character whatsoever and free of any and all material defects and conditions creating a hazard to public health or public safety.
- E. Subdivider shall acquire and dedicate all rights-of-way, easements, and other interests in real property for construction and installation of the Public Improvements or pay the cost of acquisition incurred by City. The Subdivider's obligations with regard to acquisition by City of off-site rights-of-way, easements, and other interests in real property shall be subject to a separate



agreement between Subdivider and City. Subdivider shall also be responsible for obtaining any public or private sanitary sewer, drainage, and/or utility easements or authorizations to accommodate the Subdivision.

F. If any of the Public Improvements contemplated by this Agreement are to be constructed or installed on land not owned by City or Subdivider, no construction or installation of the Improvements or Work shall be commenced before:

- (1) An offer of dedication is made to City of appropriate rights-of-way, easements, or other interests in real property, as determined by the City Engineer, and appropriate authorization from property owner(s) to allow construction or installation of the Improvements or Work are delivered to the City, or
- (2) The appropriate rights-of-way, easements, or other interests in real property, as determined by the City Engineer, are dedicated and accepted by the City, or
- (3) A court of competent jurisdiction issues an order of possession pursuant to the State Eminent Domain Laws. Subdivider shall comply in all respects with the order of possession.

Nothing in this Section 10(F) shall be construed as authorizing or granting an extension of time to Subdivider.

11. Subdivider shall replace or repair, or have replaced or repaired, as the case may be, all Public Improvements, public utility facilities and surveying monuments which are destroyed or damaged as a result of any Work under this Agreement. Subdivider shall bear the entire cost of replacement or repairs of any and all public or public utility property damaged or destroyed by reason of any Work done under this Agreement, whether such property is owned by the United States or any agency thereof, or the State of California, or any agency or political development thereof, or by the City or any public or private utility corporation or by any combination of such owners. Any repair or replacement shall be to the satisfaction, and subject to the approval, of the City Engineer.

Furthermore, until such time as the Improvements are accepted by City, Subdivider shall be responsible for, and bear the risk of loss to, any and all of the Improvements constructed or installed excepting any loss resulting from the gross negligence or willful misconduct of the City. Until such time as all Improvements required by this Agreement are fully completed and accepted by City, Subdivider shall be solely responsible for the care, maintenance of, and any damage to such Improvements, and City shall not, nor shall any officer or employee thereof, be liable or responsible for any accident, loss or damage, regardless of cause, happening or occurring to the Work or Improvements excepting any loss or damage resulting from the gross negligence or willful misconduct of the City. All such risks shall be the responsibility of and are hereby assumed by Subdivider. The Subdivider shall defend and indemnify the City for said accidents, losses, and/or damages pursuant to Section 29 below. As to any accident, loss or damage occurring or happening after all the Improvements are fully completed and accepted by the City, Subdivider shall indemnify and defend the City pursuant to Section 29 below.

12. All inspection services rendered in connection with the Work covered by this Agreement shall be paid for by Subdivider.

13. Intentionally omitted.
14. If Subdivider refuses or fails to cause prosecution of the Work, or any severable part thereof, with such diligence as will ensure its completion within the time specified by this Agreement, or any extensions thereof, or fails to cause completion of said Work within such time; or if the Subdivider fails to timely cure any defects in the Improvements; or if the Subdivider should be adjudged bankrupt; or if Subdivider should make a general assignment for the benefit of Subdivider's creditors; or if a receiver should be appointed in the event of Subdivider's insolvency; or if Subdivider or any of Subdivider's contractors, subcontractors, agents, or employees should violate or fail to perform any of the provisions of this Agreement; then such acts, omissions and/or events shall constitute a material breach of and default under this Agreement, and, unless such breach and default remains uncured after thirty (30) days written notice to Subdivider from the City, then City reserves to itself all remedies available to it at law or in equity for such breach, including but not limited to serving written notice on Subdivider and Subdivider's surety of breach of this Agreement, or of any portion thereof, and of the default of Subdivider.
15. In the event of any such notice of breach of this Agreement and the failure of Subdivider to cure its default, any surety providing Performance Security described in Section 16, below, shall be liable to City for the cost of construction and installation of the Improvements and Work and for costs and reasonable expenses and fees, including reasonable attorneys' fees, incurred in enforcing this Agreement. In such event, and at the City's option, Subdivider's surety shall have the duty to take over, commence (if applicable) and complete the Work and Improvements or otherwise perform as is herein specified; provided, however, that if the surety, within the time period specified in the City's notice of breach, does not give City written notice of its intention to take over the performance of this Agreement, and does not commence performance thereof within five (5) days after notice to City of such election, City may elect to take over the Work and prosecute the same to completion, by contract with a new contractor or by any other method City may deem advisable, for the account and at the expense of Subdivider and Subdivider's surety. In such event, City may, without liability for so doing, take possession of and utilize in completing the Work such materials, appliances, plant and other property belonging to Subdivider as may be onsite of the Work and necessary therefor, and by execution of this Agreement, Subdivider grants City permission to enter onto the Subdivision in such event as may be necessary or convenient to construct such Improvements. Should City proceed to have the Work called for by this Agreement completed by entering into a contract with a new Contractor, City shall execute said contract for and on behalf of and as the agent of Subdivider. The City reserves to itself all remedies available to it at law or in equity for breach of Subdivider's obligations under this Agreement. The City shall have the right, subject to this Section, to draw upon or utilize the appropriate security to mitigate the City's damages in the event of default of Subdivider. The right of the City to draw upon or utilize the security is additional to and not in lieu of any other remedy available to City. It is specifically recognized that the estimated costs and security amounts may not reflect the actual cost of construction or installation of the Improvements and, therefore, City's damages for Subdivider's default shall, in part, be measured by the cost of completing the required Improvements. The sums provided by the Improvement security may be used by City for the completion of the Public Improvements in accordance with the Improvement plans and specifications contained herein. Subdivider and Subdivider's surety, and any person, partnership, entity, corporation, or association claiming any interest in the Subdivision and each of them, shall be liable to City for any costs, claims, damages, liability or expenses of whatever nature or kind,

direct or indirect, including interest at the maximum rate allowed by law from the date of notification of such cost and expense until paid, and reasonable attorneys' fees, which are directly or indirectly incurred by reason of the enforcement of this Agreement. Such amounts and interest accrued thereon shall constitute a lien on the Subdivision. Subdivider acknowledges and agrees that if the Improvements are not completed to the satisfaction of the City within the time specified by this Agreement, or any extension thereof, Subdivider fails to comply with any requirement imposed as a condition of the Approvals, or Subdivider fails to comply with any condition imposed under a third party permit, City, in addition to any other remedy it may have at law or in equity or as otherwise provided in this Agreement, may withhold occupancy certificates, utility connections, building permits, zoning permits, and any other land use entitlement until the Improvements have been completed in accordance with this Agreement, and as to any such permit or land use entitlement, Subdivider waives any and all rights Subdivider may have under the California Permit Streamlining Act. Failure of Subdivider to comply with the terms of this Agreement shall constitute consent to the filing by the City of a notice of violation against all the lots in the Subdivision, or to rescind the Approvals or otherwise revert the Subdivision to acreage. The remedies provided by this Section are in addition to, and not in lieu of, other remedies available to the City. Subdivider agrees that the choice of remedy or remedies for Subdivider's breach shall be in the discretion of City. In the event that Subdivider fails to perform any obligation hereunder, Subdivider agrees to pay all costs and expenses incurred by City in securing performance of such obligations, including but not limited to fees and charges of architects, engineers, attorneys, other professionals, and court costs. The failure of City to take enforcement action with respect to a default, or to declare a breach, shall not be construed as a waiver of that default or breach or any subsequent default or breach of Subdivider. In the event that Subdivider commences work on none of the Improvements required to be constructed under this Agreement within the time period set forth in Section 1 hereof, such failure shall constitute a breach of this Agreement and permit the City to recover from Subdivider's surety and/or utilize the performance security to pay for the costs of commencing and completing the Improvements and reasonable expenses and fees, including reasonable attorney's fees incurred in enforcing this Agreement.

16. Subdivider shall, upon execution of this Agreement, deposit with City cash in the sum of **\$7,099,164.60**, or satisfactory improvement security as provided by all applicable ordinances of City, in said amount to secure faithful performance of this Agreement and every part thereof by Subdivider. Any additions, alterations, or modifications of this Agreement or to the plans and specifications referred to herein, including any extension of time within which the Work hereunder may be completed, shall not release, or exonerate any surety or sureties on the improvement security given in connection with this Agreement.
17. Subdivider shall, upon execution of this Agreement, deposit with City cash in the sum of **\$7,099,164.60**, or a satisfactory improvement security as provided by all applicable ordinances of City, in said amount to guarantee payment to contractors, subcontractors and persons renting equipment or furnishing labor or materials for improvements covered by this Agreement and every part thereof by Subdivider. Any additions, alterations, or modifications to this Agreement or to the plans and specifications referred to herein, including any extension of time within which the Work hereunder may be completed, shall not release, or exonerate any surety or sureties on the improvement security given in connection with this Agreement.
18. Force Majeure Extension. In addition to specific provisions of this Agreement providing for

extensions of time, times for performance by Subdivider hereunder shall be extended where delays or defaults are due to war; insurrection; any form of labor dispute; lockouts; riots; floods; earthquakes; fires; acts of God or of third parties; third party litigation; acts of a public enemy; referenda; acts of governmental authorities (except that the failure of the City to act as required hereunder shall not excuse its performance); moratoria; epidemics; pandemics; quarantine restrictions; shortages of materials; freight embargoes; and any other matter beyond the reasonable control of Subdivider (each a "Force Majeure Event"), provided, however, that Subdivider shall notify City of the nature of the matter causing the delay within thirty (30) days from the occurrence thereof; and, provided further, that the extension of time shall be only for the period of the delay caused by the Force Majeure Event. However, deadlines for performance may not be extended as provided above due to any inability of the Subdivider to obtain or maintain financing for the construction and/or operation of the Improvements.

19. Intentionally omitted.

20. A. The securities described in Sections 16 and 17 shall be of the type specified in Government Code Section 66499(a)(1), (2), or (3), and must be satisfactory to and be approved by the City Attorney as to form. The surety for each such security (herein "Surety") shall (i) be currently admitted to transact surety insurance by the California Department of Insurance, (ii) have a Best's Insurance Guide rating (herein a "Rating") of no less than A-, when each such security is issued, and (iii) be approved by the City, with such approval not to be unreasonably withheld. Upon execution of this Agreement, or any change in Surety hereunder, Subdivider shall deliver to the City the certificate of the County Clerk attesting to the admittance status of the Surety. The City shall be the sole indemnitee named on any instrument required by this Agreement.

B. In the event a Surety's Rating is reduced below "B" ( a "Rating Event"), Subdivider shall have ten (10) business days from the date such rating actually drops below "B" to present the City with bonds issued by one or more Sureties other than the one being replaced, which shall meet the criteria specified above (the "Replacement Surety"), regardless of the date Subdivider or City actually becomes aware of the Rating Event. In the event the Subdivider does not deliver to the City the security of a Replacement Surety within the ten (10) business day period provided hereunder, Subdivider's Work under this Agreement shall immediately cease and shall not re-commence until Subdivider has delivered security issued by such Replacement Surety to the City.

C. In the event that the Subdivider does not maintain, in full force and effect, the securities specified in Sections 16 and 17 until the later of final acceptance of the Improvements or the time at which the City is required to release said securities, (a) Subdivider's Work under this Agreement shall immediately cease and shall not re-commence until Subdivider has delivered to the City the requisite security, and (b) the City shall have the right to withhold certificates, permits and entitlements as provided in Section 15.

D. Certificates of deposit shall not be deemed to be satisfactory security unless such certificates provide that the City is the owner of record of such funds. In addition to the full amount of the security, there shall be included costs and reasonable expenses and fees, including attorney's and expert's fees incurred in enforcing the obligation secured.

21. Intentionally omitted.

22. Without limiting Subdivider's indemnification provided hereinbelow, Subdivider shall take out and maintain at all times during the term of this Agreement the following policies of insurance with insurers with a Best rating of no less than A:XI:

A. Workers' Compensation Insurance to cover its employees, and the Subdivider shall require all contractors and subcontractors similarly to provide Workers' Compensation Insurance as required by the Labor Code of the State of California for all of the subcontractors' employees. Each Workers' Compensation policy shall be endorsed with the provision that it will not be canceled or altered without first giving thirty (30) days prior notice to the City.

In case any class of employees engaged in hazardous work under this Agreement is not protected under Workers' Compensation statutes, the Subdivider shall provide, and shall cause its contractors and subcontractors to provide, adequate and suitable insurance for the protection of its employees not otherwise protected. Such policy shall provide that it will not be canceled or altered without first giving thirty (30) days prior notice to the City.

Said Worker's Compensation policy shall have the following endorsement:

"All rights of subrogation are hereby waived against the City, its officers and employees when acting within the scope of their appointment or employment".

B. Commercial General Liability Insurance including personal injury and property damage insurance for all activities of the Subdivider and its contractors and subcontractors arising out of or in connection with this contract, written on a commercial general liability form including, but not limited to, Broad Form Property Damage, blanket contractual, products liability and completed operations, X,C,U hazards, vehicle coverage and non- owned auto liability coverage in an amount no less than \$2 million dollars combined single limit personal injury and property damage for each occurrence.

Each such policy shall be endorsed with the following specific language:

- (1) The City is named as additional insured for all liability arising out of the Work performed by or on behalf of the named insured, and this policy protects the additional insured, its officers, agents, and employees against liability for personal and bodily injuries, deaths or property damage or destruction arising in any respect, directly, or indirectly, in the performance of the contract.
  - (2) The inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverages afforded shall apply as though separate policies had been issued to each insured.
  - (3) The insurance provided is primary and no insurance held or owned by the City shall be called upon to contribute to a loss.
  - (4) The coverage provided by this policy shall not be canceled without thirty (30) days prior written notice given to the City.
- C. At the time of execution of this Agreement, Subdivider shall submit to City documentation

evidencing Subdivider's required insurance including Certificates of Insurance signed by the insurance agent and companies named on the City's form, copies of which are attached as Exhibit "A" and "B" and properly executed endorsements in the form attached as Exhibits "C" and "D" for the additional coverages required hereunder. Any deductible or self-insured retentions must be declared to and approved in writing by City. At the option of City, insurer shall reduce or eliminate such deductible or self-insured retention as respects City, its officers and employees or Subdivider shall procure a bond guaranteeing payment of losses and related investigation, claims, administration, and defense expenses.

23. All notices herein required shall be in writing and delivered in person or sent by overnight or registered mail, postage paid. Notice required to be given to City shall be addressed as follows:

Public Works Director  
555 Santa Clara Street  
Vallejo, CA 94590

With copy to:

Veronica Nebb  
City Attorney  
555 Santa Clara Street  
Vallejo, CA 94590  
Email: [Veronica.Nebb@cityofvallejo.net](mailto:Veronica.Nebb@cityofvallejo.net)

All notices required to be given to Subdivider shall be addressed as hereinbelow indicated:

Lewis Management Corp.  
Attention: Doug Mull  
9216 Keifer Blvd.  
Sacramento, CA 95826  
Telephone: (916) 363-2617  
Email: [Doug.Mull@lewismc.com](mailto:Doug.Mull@lewismc.com)

Lewis Management Corp.  
Attention: W. Bradford Francke, Esq.  
1156 N Mountain Avenue  
Upland, CA 91786  
Telephone: (909) 946-7538  
Email: [brad.francke@lewismc.com](mailto:brad.francke@lewismc.com)

All notices required to be given to surety or guarantor of Subdivider shall be addressed as indicated on the instrument of improvement security incorporated herein by reference.

Any party hereto or the surety may change such address by notice in writing to the other parties and thereafter notice shall be addressed and transmitted to the new address.

24. Time is of the essence of this Agreement and every provision thereof; provided, that subject to Section 1, in the event good cause is shown therefor, City may extend the time for completion of the Improvements by Subdivider. Any such extension may be granted without notice to the Subdivider's surety, and extensions granted shall not relieve the surety's liability on the bond to secure the faithful performance of this Agreement. The City shall be the sole and final judge as to whether or not good cause has been shown to entitle Subdivider to an extension.
25. This Agreement may be amended or modified only by written agreement signed by both parties. Failure on the part of either party to enforce any provisions of this Agreement shall not be construed as a waiver of the right to compel enforcement of such provision(s) and shall not act to release any surety from its obligations under this Agreement.
26. This Agreement shall not be assigned by Subdivider without the written consent of City. The consent of City to any assignment shall not be unreasonably withheld, provided the proposed assignee ("Successor") can demonstrate its ability to perform and complete the obligations of Subdivider under this Agreement, as determined by objective standards of financial capability, creditworthiness and experience required for such performance. The City shall have the right to compel the Successor to disclose all documents, information, and other material which, in the City's reasonable discretion, may establish or tend to establish that the proposed Successor meets the standards specified hereinabove. Subject to subparagraph (5) herein below, no assignment permitted hereunder shall be complete until substitute security is provided by the Successor to fulfill its obligations under Sections 16 through 21 hereof. Provided that by no later than six (6) months prior to the expiration of the period specified in Section 1 above, Subdivider provides the City at least forty-five (45) days advance written notice of Subdivider's intent to assign this Agreement and delivers that notice as well as all documents, information and other material requested by the City and sufficient to enable the City to exercise the discretion vested in it pursuant to this Section 26. No later than thirty (30) calendar days after the City receives the materials submitted by the Subdivider, the City shall deliver to the Subdivider a written determination whether the submitted materials are complete. If the City's written determination is not delivered within said thirty (30) day period, the submission shall be deemed complete. If within said thirty (30) day period, the City delivers a notice to the Subdivider that the submitted materials are incomplete, the Subdivider shall have thirty (30) calendar days to submit the necessary additional information and after timely submittal thereof, the City shall have thirty (30) calendar days within which to, again, deliver notice to the Subdivider whether the submitted materials are complete. If the Subdivider does not submit additional materials within thirty (30) calendar days after receiving the City's determination of incompleteness, it shall be conclusively deemed that the Subdivider has withdrawn its request for consent to the assignment in question. Not later than forty-five (45) days after the Subdivider's submittal is determined or deemed complete, the City shall accept or reject the proposed assignment. The existence of any legitimate dispute between City and Subdivider over the acceptance by City of any proposed Successor may, in City's unfettered discretion, result in an extension of the time for performance of Subdivider's obligations hereunder, as set forth in Section 1, equal to the amount of time required for resolution of such dispute. If the City consents to an assignment to any third-party Subdivider or Subdivider, this Agreement shall be deemed to have been amended to provide: (1) that Successor shall be acknowledged by City to be the Subdivider hereunder; (2) that Successor shall assume all obligations of Subdivider hereunder; (3) that all Work and Improvements to which this Agreement relates shall be completed by Successor as required hereunder; (4) that the security for performance

of Subdivider's obligations hereunder, as provided in Sections 16 through 21 hereof, shall, at the election of Subdivider, consist of such security as the Successor shall post, subject to the City's approval and as long as said substitute security complies with Sections 16 through 21; (5) that all cash security deposited with the City shall be retained by the City pursuant to the terms hereof and any balance owing to the Subdivider shall be paid to the Successor; and (6) Subdivider shall remain jointly and severally responsible with the Successor for all of the Subdivider's obligations hereunder; and (7) the Successor shall provide evidence that it has obtained the requisite insurance.

27. In the event either party hereto shall commence any legal action or proceeding against the other party arising out of or in connection with this Agreement, the party prevailing in said action or proceeding shall be entitled to recover, in addition to its cost of suit, reasonable attorneys' fees to be fixed by the court, and such recovery shall include costs of suit and attorneys' fees on appeal, if any. This provision shall be in addition to any provisions regarding attorney's fees set forth in the bonds securing this Agreement.
28. Prior to the acceptance of any dedications or improvements by City, Subdivider shall certify and warrant that: (1) neither the property to be dedicated nor Subdivider are in violation of any environmental law and neither the property to be dedicated nor the Subdivider are subject to any existing, pending or threatened investigation by any federal, state or local governmental authority under or in connection with environmental law. Neither Subdivider nor any third party will use, generate, manufacture, produce, or release, on, under, or about the property to be dedicated, any hazardous substance except in compliance with all applicable environmental laws; (2) Subdivider has not caused or permitted the release of, and has no knowledge of the release or presence of, any hazardous substance on the property to be dedicated or the migration of any hazardous substance from or to any other property adjacent to, or in the vicinity of, the property to be dedicated; and (3) Subdivider's prior and present use of the property to be dedicated has not resulted in the release of any hazardous substance on the property to be dedicated. Subdivider shall give prompt written notice to City at the address set forth herein of:
  - A. Any proceeding or investigation by any federal, state, or local governmental authority with respect to the presence of any hazardous substance on the property to be dedicated or the migration thereof from or to any other property adjacent to, or in the vicinity of, the property to be dedicated;
  - B. Any claims made or threatened by any third party against City or the property to be dedicated relating to any loss or injury resulting from any hazardous substance; and
  - C. Subdivider's discovery of any occurrence or condition on any property adjoining or in the vicinity of the property to be dedicated that could cause the property to be dedicated or any part thereof to be subject to any restrictions on its ownership, occupancy, use for the purpose for which it is intended, transferability or suit under any environmental law.
29. City shall not be responsible for any of the Work, any Improvement or for performance or nonperformance of any work of construction of any Improvement. To the fullest extent permitted by law, Subdivider, and each of its members, hereby agrees to, and shall defend, indemnify and hold City, its elective and appointive boards, commissions, or committees, and their respective officers, officials, appointees, agents, and employees (collectively, "City Indemnitees") harmless



from and against any and all allegations, claims, damages, disabilities, or expenses, including attorneys' fees, experts' fees, and witness costs that may be asserted or incurred, as the case may be, by any person or entity, including liability for damages or claims for damage for personal injury, or death, as well as from claims for real or personal property damage arising out of or in connection with (i) the activities of Subdivider in performing any Work on any Improvement addressed in this Agreement, (ii) Subdivider's performance or non-performance under this Agreement, (iii) Subdivider's breach of this Agreement, (iv) the City's approval of this Agreement (except for any claims Subdivider may have against the City for City's breach of this Agreement), (v) the City's compliance or non-compliance with the California Environmental Quality Act or any other law applicable to the approval, processing and implementation of the Subdivision, the Approvals, this Agreement, the Improvements and/or Work, (vi) any soils subsidence, landslides or soil movement arising out of Subdivider's activities hereunder; (vii) Subdivider's handling, releasing, disposing, transporting or arranging for the handling, releasing, disposing or transporting of any hazardous wastes, substances or materials as those terms may be defined by any law, ordinance and/or regulation of any regulatory agency with jurisdiction; and/or (viii) Subdivider's violation of any law, ordinance or regulation, whether or not there is concurrent, passive negligence on the part of City Indemnitees, and regardless of the City's approval of the Plans or City's inspection, approval or acceptance of the Improvements and notwithstanding any limitation on the amount or type of damages or compensation payable by or for Subdivider under Workers' Compensation, Disability, or other employee benefit acts, the acceptance of insurance certificates required under this Agreement, or the terms, applicability, or limitations of any insurance held by Subdivider (collectively the "Claims"). City shall retain the right to: (i) choose and approve the counsel to so defend the City; (ii) approve all significant decisions concerning the manner in which the defense is conducted; and (iii) approve any and all settlements. City shall also have the right not to participate in the defense, except that City agrees to cooperate with the Subdivider in the defense of the proceeding. If City chooses to have counsel of its own defend any proceeding where the Subdivider has already retained counsel to defend the City in such matters, the fees and expenses of the counsel selected by the City shall be paid by the City. Subdivider indemnifies the City for any liability, cost, expense, including attorney's fees, incurred by the City in enforcing this Section 29. This Section 29 shall not apply to any claims to the extent resulting from the gross negligence or willful misconduct of the City or any other City Indemnitees. This Section 29 shall survive termination of this Agreement for any reason.

30. Subdivider shall have sole responsibility for making all arrangements and assuming all expenses that may be required to provide the Subdivision with utilities. All utilities, including cable television facilities, shall be installed underground. All utilities to be located in streets shall be installed and approved prior to installing street improvements. Subdivider shall be solely responsible and assume all liability for any delays, or damages arising therefrom, caused by utility companies in relocating, installing, establishing, and/or constructing utility lines, cables, trenches, and/or facilities of any type. Subdivider shall release, defend, indemnify, and hold City harmless from any such liability, irrespective of City's active or passive negligence.
31. All utilities to be located in streets shall be installed and approved prior to installing street improvements.
32. Intentionally omitted.

33. This Agreement shall be binding upon and inure to the benefit of the parties' successors, heirs and assigns, and by the recordation hereof (or the recordation of a memorandum hereof subject to the City's approval) (which said recordation shall be effected by the City), it is the intention of the parties to give notice to and bind their successors, heirs and assigns hereto. The parties intend that this Agreement and its terms and conditions shall run with the land and shall be deemed a covenant running with the land and an equitable servitude. This Section 33 shall survive termination of this Agreement for any reason.
34. Jurisdiction and venue of all disputes over this Agreement and/or its terms shall be in the County of Solano, State of California.
35. The recitals are incorporated by reference.

[Signatures on the following page]

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year shown below the name of each of the parties.

SUBDIVIDER:

VALLEJO-FAIRVIEW DEVELOPERS, LLC,  
a Delaware limited liability company

By: LEWIS MANAGEMENT CORP.  
a Delaware corporation- Its Manager

By: \_\_\_\_\_  
Doug Mull  
Authorized Agent

DATE: \_\_\_\_\_

(City Seal)

CITY OF VALLEJO,  
a municipal corporation

By: \_\_\_\_\_  
Gillian Haen  
Acting City Manager

DATE: \_\_\_\_\_

By: \_\_\_\_\_  
Nalungo Conley  
Acting City Manager

DATE: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_  
Dawn G Abrahamson  
City Clerk

APPROVED AS TO FORM:

By: \_\_\_\_\_  
Veronica A. F. Nebb  
City Attorney

APPROVED AS TO INSURANCE:

By: \_\_\_\_\_  
Armond Sarkis  
Risk Manager

NOTE: If the Subdivider executing this Agreement is a corporation, a certified copy of the bylaws or resolution of the board of directors authorizing said corporation to execute this Agreement shall be provided; and at least two corporate officers must execute this Agreement.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of \_\_\_\_\_ )  
 )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public, personally appeared \_\_\_\_\_,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the document.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**(Seal)**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of \_\_\_\_\_ )  
 )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public, personally appeared \_\_\_\_\_, who  
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the document.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**(Seal)**

**PAYMENT (LABOR AND MATERIALS) BOND**  
*for*  
**CITY OF VALLEJO**

**FAIRVIEW AT NORTHGATE BLUE ROCK SPRINGS CREEK BRIDGE PROJECT  
AND ADMIRAL CALLAGHAN LANE & TURNER PARKWAY VALLEJO,  
CALIFORNIA IMPROVEMENTS**

KNOW ALL MEN/WOMEN BY THESE PRESENTS, WHEREAS, that the City of Vallejo, a municipal corporation of the State of California, acting through its City Council, has Approved: \_\_\_\_\_, hereinafter designated as the Principal, a contract for:

**Fairview at Northgate Blue Rock Springs Creek Bridge Project, plans prepared by Cornerstone Structural Engineering Group, Inc, dated 1/7/2026, comprised of 17 Plan Sheets, to be constructed by RNR, Constructing Incorporated.**

**Admiral Callaghan Lane & Turner Parkway Vallejo, California, plans prepared by Kier & Wright, dated May 2025, comprised of 30 Plan Sheets, and stamped "Permit Set."**

AND WHEREAS, said Principal is required to furnish a bond in connection with said contract, provided that if said Contractor, or any of his/her or its subcontractors, shall fail to pay for any materials, provisions, provender or other supplies, or teams, used in, upon, for or about the performance of the work contracted to be done, or any work or labor done thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such labor, the Surety of this bond will pay the same.

NOW, THEREFORE, we, the Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the City of Vallejo, a municipal corporation, hereinafter called City, in the sum of **Seven Million Ninety-Nine Thousand One Hundred and Sixty-Four Dollars and Sixty Cents (\$7,099,164.60)**, and no more, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents, as herein provided.

The condition of this obligation is such that, if said Principal, or his/her or its Subcontractors, shall fail to pay for any materials, provisions, provender or other supplies or teams used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor, as required by the provisions of California Civil Code, commencing with Section 9550, and providing that the persons, companies or corporations so furnishing said materials, provisions, or other supplies, appliances or power used in, for or about the performance of the work contracted to be executed or performed, or any person, company, or corporation, renting, or hiring implements, or machinery, or power, for, or contributing to said work to be done, or any person who performs work or labor upon the same, or any person who supplies both work and materials therefor, shall have complied with the provisions of said Title 15, the Surety hereon will pay the same in an amount not exceeding the sum specified in its bond, and

also, in case suit is brought upon this bond, reasonable attorneys' fees to be fixed by the Court, then this obligation shall become null and void; otherwise, it shall remain in full force and virtue.

This bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under Section 9100 of the Civil Code of the State of California so as to give a right of action to them or their assigns in any suit brought upon this bond.

The Surety herein, for value received, hereby stipulates, and agrees that no change, extension of time, alteration, addition or modification to the terms and conditions of said contract, or the specifications accompanying the same, shall in any manner affect its obligation on this bond, and said Surety does hereby waive notice of any such change, extension, alteration, or addition.

IN WITNESS WHEREOF, the above bounded parties have executed this Instrument under their several seals this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_. The name and corporate seal of each corporate party being hereto affixed, and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

PRINCIPAL

SURETY

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SURETY INFORMATION:

Contact Person: \_\_\_\_\_

Name of  
Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

NOTE: (1) Signatures of those executing for the Surety must be properly  
acknowledged.  
(2) This Bond must be in an amount equal to 100% of the amount bid.

APPROVED AS TO FORM:

\_\_\_\_\_  
Veronica A. F. Nebb City Attorney

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of \_\_\_\_\_ )  
 )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public, personally appeared \_\_\_\_\_,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the document.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**(Seal)**



**FAITHFUL PERFORMANCE BOND**  
*for*  
**CITY OF VALLEJO**  
**FAIRVIEW AT NORTHGATE BLUE ROCK SPRINGS CREEK BRIDGE**  
**PROJECT AND ADMIRAL CALLAGHAN LANE & TURNER PARKWAY**  
**VALLEJO, CALIFORNIA IMPROVEMENTS**

KNOW ALL MEN/WOMEN BY THESE PRESENTS, WHEREAS, \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the City of Vallejo, a municipal corporation of the State of California, hereinafter called the City, in the sum of **Seven Million Ninety-Nine Thousand One Hundred Sixty-Four Dollars and Sixty Cents (\$7,099,164.60)**, and no more, for the work described below, for the payments of which sum in lawful money of the United States of America well and truly to be made to the City of Vallejo, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents as herein above provided.

WHEREAS, that the Principal has entered into a contract with said City for the construction of:

**Fairview at Northgate Blue Rock Springs Creek Bridge Project, plans prepared by Cornerstone Structural Engineering Group, Inc, dated 1/7/2026, comprised of 17 Plan Sheets, to be constructed by RNR, Constructing Incorporated.**

**Admiral Callaghan Lane & Turner Parkway Vallejo, California, plans prepared by Kier & Wright, dated May 2025, comprised of 30 Plan Sheets, and stamped "Permit Set."**

NOW, THEREFORE, the condition of this obligation is such that if the above bounded Principal shall in all things stand to abide by, and well and truly keep and perform the covenants, conditions and agreements in the foregoing contract agreed on his/her or their part to be kept and performed at the time and in the manner herein specified, and shall indemnify and save harmless the City of Vallejo, its officers, agents and employees as therein stipulated, then this obligation shall become null and void; otherwise, it shall remain in full force and virtue to guarantee Contractor's faithful performance of its obligations in the Contract Documents, and Principal and Surety, in the event suit is brought on this bond, will pay to the Obligee such reasonable attorneys' fees as may be fixed by the Court.

The Surety herein, for value received, hereby stipulates, and agrees that no change, extension of time, alteration, addition or modification to the terms and conditions of said contract, or the specifications accompanying the same shall in any manner affect its obligations on this bond and said Surety does hereby waive notice of any such change, extension, alteration or addition. Said Surety hereby waives the provisions of Section 2819 and 2845 of the Civil Code of the State of California.

(Signatures on the following page)

IN WITNESS WHEREOF, the above bounded parties have executed this Instrument under their several seals this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

The name and corporate seal of each corporate party being hereto affixed, and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

PRINCIPAL

SURETY

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SURETY INFORMATION:

Contact Person: \_\_\_\_\_

Name of  
Company: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

NOTE:       (1)     Signatures of those executing for the Principal and Surety must be properly acknowledged.

(2)     This Bond must be in an amount equal to 100% of the amount bid.

APPROVED AS TO FORM:

\_\_\_\_\_  
Veronica A. F. Nebb  
City Attorney

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of \_\_\_\_\_ )  
 )  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_,  
a Notary Public, personally appeared \_\_\_\_\_,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the document.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

**(Seal)**

**EXHIBIT A**

PW24-00374 Plans for Fairview at Northgate Blue Rock Springs Creek Bridge Project, dated 1/7/2026, and prepared by RNR, Construction, Inc.

CITY OF VALLEJO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
PLANS FOR  
FAIRVIEW AT NORTHGATE  
BLUE ROCK SPRINGS CREEK BRIDGE PROJECT



PLANS FOR  
FAIRVIEW AT NORTHGATE  
BLUE ROCK SPRINGS CREEK BRIDGE  
TITLE SHEET

PLANS REVIEWED FOR CONSTRUCTION  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

BY: John C. Smith DATE: 12/12/20

PROJECT NO.: 123456789

CONTRACT NO.: 123456789

RECORD DRAWING

DATE: 12/12/20

BY: John C. Smith DATE: 12/12/20

PROJECT NO.: 123456789

CONTRACT NO.: 123456789

PLANS REVIEWED FOR CONSTRUCTION  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

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PLANS REVIEWED FOR CONSTRUCTION  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

BY: John C. Smith DATE: 12/12/20

PROJECT NO.: 123456789

CONTRACT NO.: 123456789

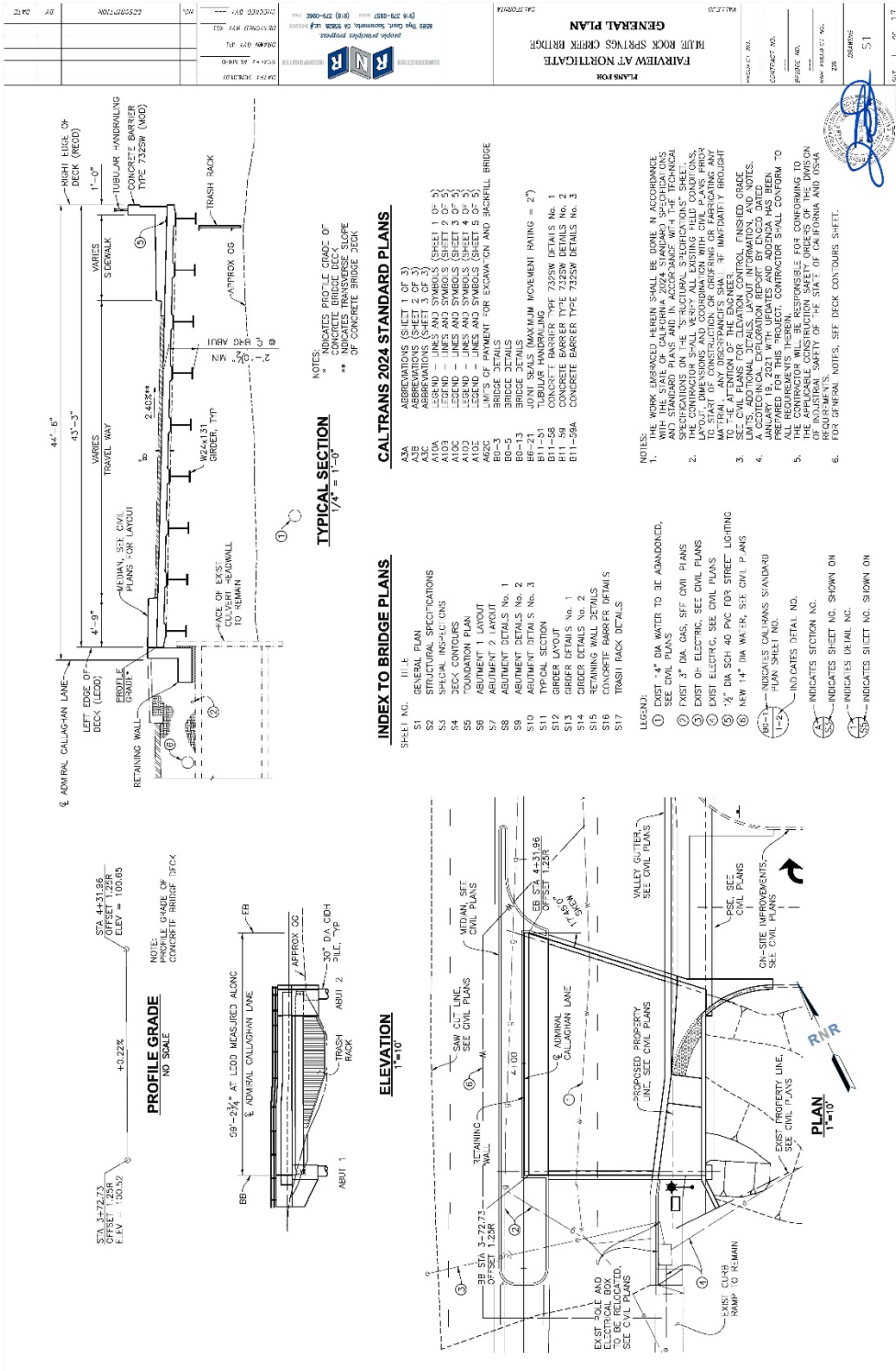
RECORD DRAWING

DATE: 12/12/20

BY: John C. Smith DATE: 12/12/20

PROJECT NO.: 123456789

CONTRACT NO.: 123456789



Page 240 of 571



**SURVEY VERIFICATIONS** SHALL BE MADE TO VERIFY THAT THE STRUCTURE LAYOUT AND GRABAS ARE IN ACCORDANCE WITH THE PROJECT PLANS. PROVIDE SURVEY VERIFICATION FOR THE PLACEMENT OF CONCRETE FOR THE FOLLOWING STRUCTURES' ELEMENTS:

- ABUTMENTS AND WINGWALLS
- DECK FORMWORK

THE SURVEY VERIFICATIONS SHALL BE MADE TO VERIFY THAT THE STRUCTURE LAYOUT AND GRADES ARE IN ACCORDANCE WITH THE PROJECT PLANS. PROVIDE SURVEY VERIFICATION PRIOR TO THE PLACEMENT OF CONCRETE FOR THE FOLLOWING STRUCTURES ELEMENTS:

- ABUTMENTS AND WINGWALLS
- DECK FORMWORK

- PERIODICALLY INSPECT MATERIALS BELOW FOOTINGS FOR BEARING CAPACITY.
- PERIODICALLY PERFORM CLASSIFICATION AND TESTING OF STRUCTURE BACKFILL MATERIALS.
- CONTINUOUSLY VERIFY USE OF PROPER MATERIALS, DENSITIES, AND JFT THICKNESS DURING PLACEMENT AND COMPACTION OF STRUCTURE BACKFILL.
- PRIOR TO PLACEMENT OF STRUCTURE BACKFILL AND FOOTINGS, OBSERVE SUBGRADE AND VERIFY THE SUBGRADE HAS BEEN PREPARED PROPERLY.

CONJUNCTION, INSPECT DURING CONCRETE PLACEMENT OF REINFORCING STEEL AND CONCRETE PREPARE DAILY FILE INSTALLATION RECORDS CONTAINING THE FOLLOWING INFORMATION:

--- NUMBER AND LOCATIONS OF PILES PLACED

--- TOP ELEVATION OF PILE

--- DEPTH OF PILE (CUT OFF ELEVATION TO  $\pm 1.0$  IN)

--- VOLUME OF CONCRETE PLACED

PERIODICALLY INSPECT CONCRETE FORMWORK  
INSTALLATION AND REMOVAL  
CONTINUOUSLY INSPECT THE PLACEMENT OF ALL  
CONCRETE  
SAMPLE CONCRETE: ASTM C1314, EXCEPT SLUMP  
SHALL COMPLY WITH ASTM C94.  
TEST SLUMP: ASTM C143, ONE TEST AT POINT OF  
TRUCK DISCHARGE FOR 150 CY OR THEREAFTER  
THEREOF FOR EACH TYPE OF CONCRETE. ADDITIONAL  
TESTS REQUIRED WHEN CONCRETE CONSISTENCY

[illegible]

- VERIFY THAT MILL CERTIFICATES SHOW REINFORCING STEEL IS IN COMPLIANCE WITH PROJECT SPECIFICATIONS
- PERIODICALLY INSPECT THE PLACEMENT OF REINFORCING STEEL FOR CONCRETE WHICH IS REQUIRED TO HAVE CONTINUOUS INSPECTION.
- CONTINUOUSLY INSPECT THE INSTALLATION OF ALL MECHANICAL COUPLING DEVICES
- RETRIEVE QUALITY CONTROL TEST SAMPLES AND PERFORM TESTING REQUIRED BY THE STATE STANDARD SPECIFICATIONS.

VERIFY THAT ALL CERTIFICATES SHOW THAT BOLTS, NUTS, AND WASHERS COMPLY WITH THE PROJECT SPECIFICATIONS

VERIFY WELDING IS PERFORMED IN ACCORDANCE WITH SECTION 11 "WELDING" AND SECTION 55 "STEEL STRUCTURES" OF THE STATE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH AWS D1.1. VERIFY WELDER CERTIFICATIONS, COMPLIANCE WITH WELDING PROCEDURE SPECIFICATIONS AND PQR (IF APPLICABLE)

5/16" MAY HAVE PERIODIC INSPECTION

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPLICABLE PROJECT DRAWINGS AND SPECIFICATIONS.

- THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CBC.

Page 9 of 12Page 5 of 52  
[1-3] Special Instructions and Tables, Revised June 2023REVIEWS



# GENERAL NOTES LOAD AND RESISTANCE FACTOR DESIGN

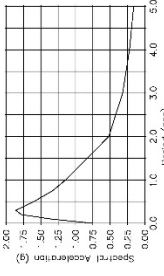
DESIGN: ASSAULT RISK BRIDGE DESIGN SPECIFICATIONS, 2017 EDITION WITH CALIFORNIA AMENDMENTS, UPDATED FEBRUARY 2005

SEISMIC DESIGN: CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 2.0 DATED APRIL 20 9

DEAD LOAD: INCLUDES 7.0 PSF FOR AC OVERLAY PLUS 35 PSF FOR FUTURE WORKING SURFACE

TRUCK LOADING: HS20 AND FEMINI DESIGN (DA)

SEISMIC LOADING: SOIL PROFILE  $V_{sp} = 360$  m/s, 5% DAMPING, 0.2g

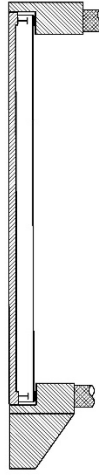


## ACCELERATION RESPONSE SPECTRUM

REINFORCED CONCRETE:  $f_y = 60$  ksi,  $f'_c = \text{SEE "CONCRETE STRENGTH & TYPE LIMITS" SHEET}$ ,  $n = 8.0$

STRUCTURAL STEEL: WIDE FLANGES, STRUCTURAL PLATE, AND CHANNELS CONFORMING TO ASTM A709 GRADE 50,  $F_y = 50$  ksi,  $F_u = 70,000$  psi

SOIL CRITERIA: PER GEOTECHNICAL EVALUATION, REPEAT BY ENGINE DATED JANUARY 31, 2021 WITH UPDATES AND AMENDMENT



INDICATES STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER) ( $f'_c = 4.0$  ksi AT 28 DAYS)

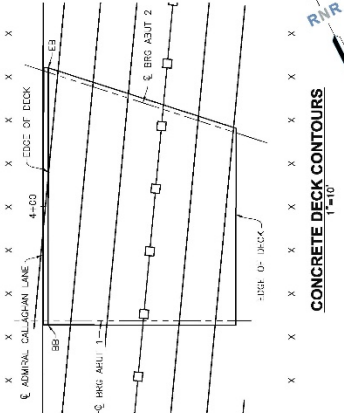
INDICATES STRUCTURAL CONCRETE, BRIDGE ( $f'_c = 3.6$  ksi AT 28 DAYS)

INDICATES CD-1 PILING ( $f'_c = 3.6$  ksi AT 28 DAYS)

## CONCRETE STRENGTH & TYPE LIMITS

NO SCALE

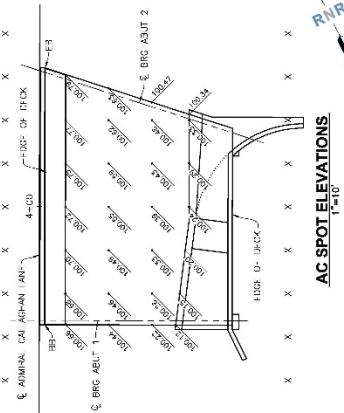
- NOTES:
- CONTOURS INDICATE TOP OF CAST-IN-PLACE CONCRETE SUB ELEVATION.
  - INDICATES ONE FOOT CONTOURS.
  - X INDICATES 10' T INTERVALS MEASURED ALONG & AMIRAL CALLAGHAN LANE.
  - CONTOUR INTERVAL = 0.20 FT.
  - CONTOURS DO NOT INCLUDE CARRIER OR FALSEWORK DEFLECTION AND SETTLEMENT.
  - THIS SHEET SHALL NOT BE USED TO DETERMINE DEAD LOADS. DEAD LOADS SHALL BE REQUESTED FROM THE ENGINEER FOR THIS PURPOSE.



- LEGEND:
- INDICATES TOP OF AC OVERLAY SPOT ELEVATION
  - X INDICATES 10' T INTERVALS MEASURED ALONG & AMIRAL CALLAGHAN LANE

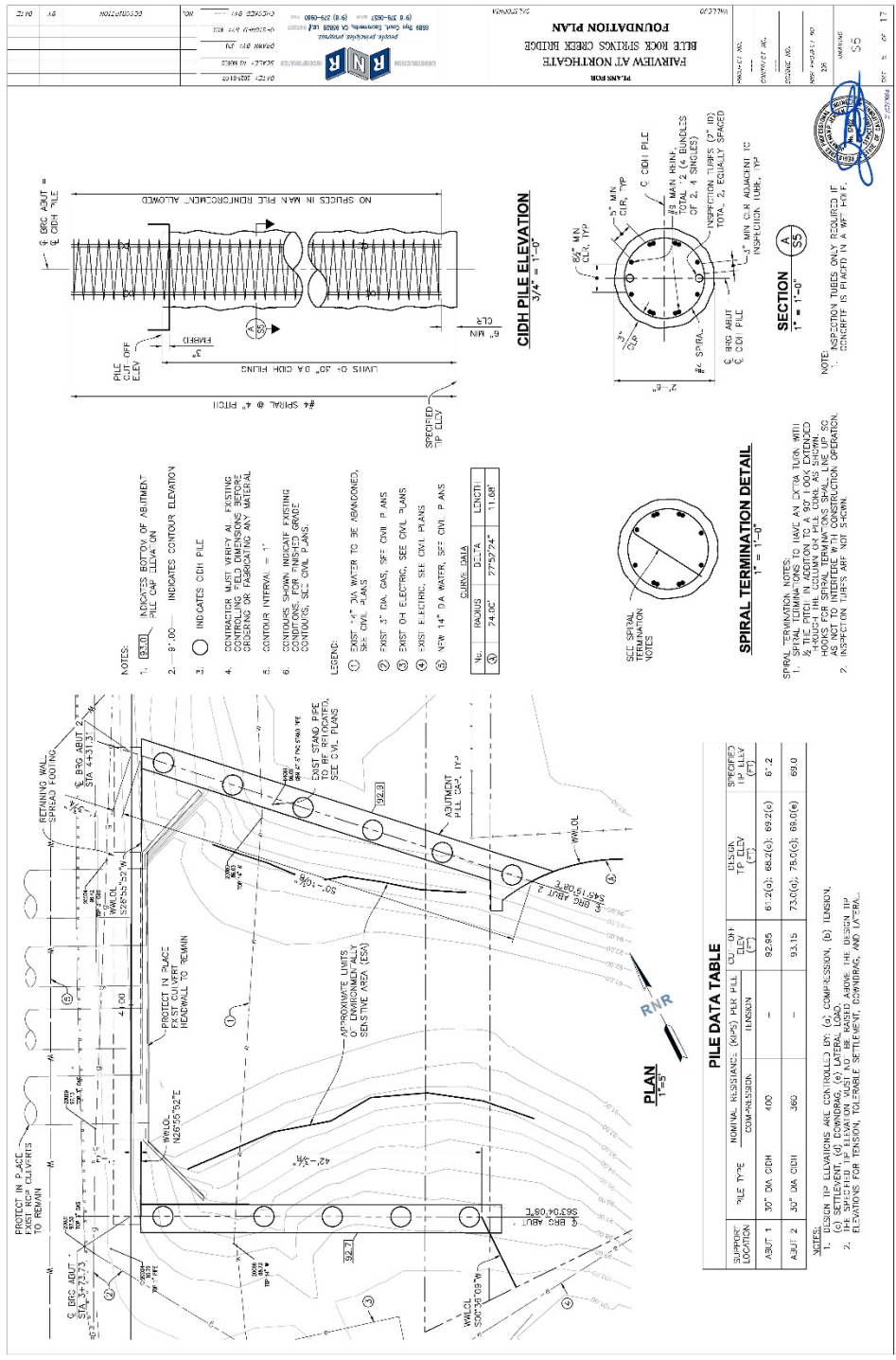
NOTE:

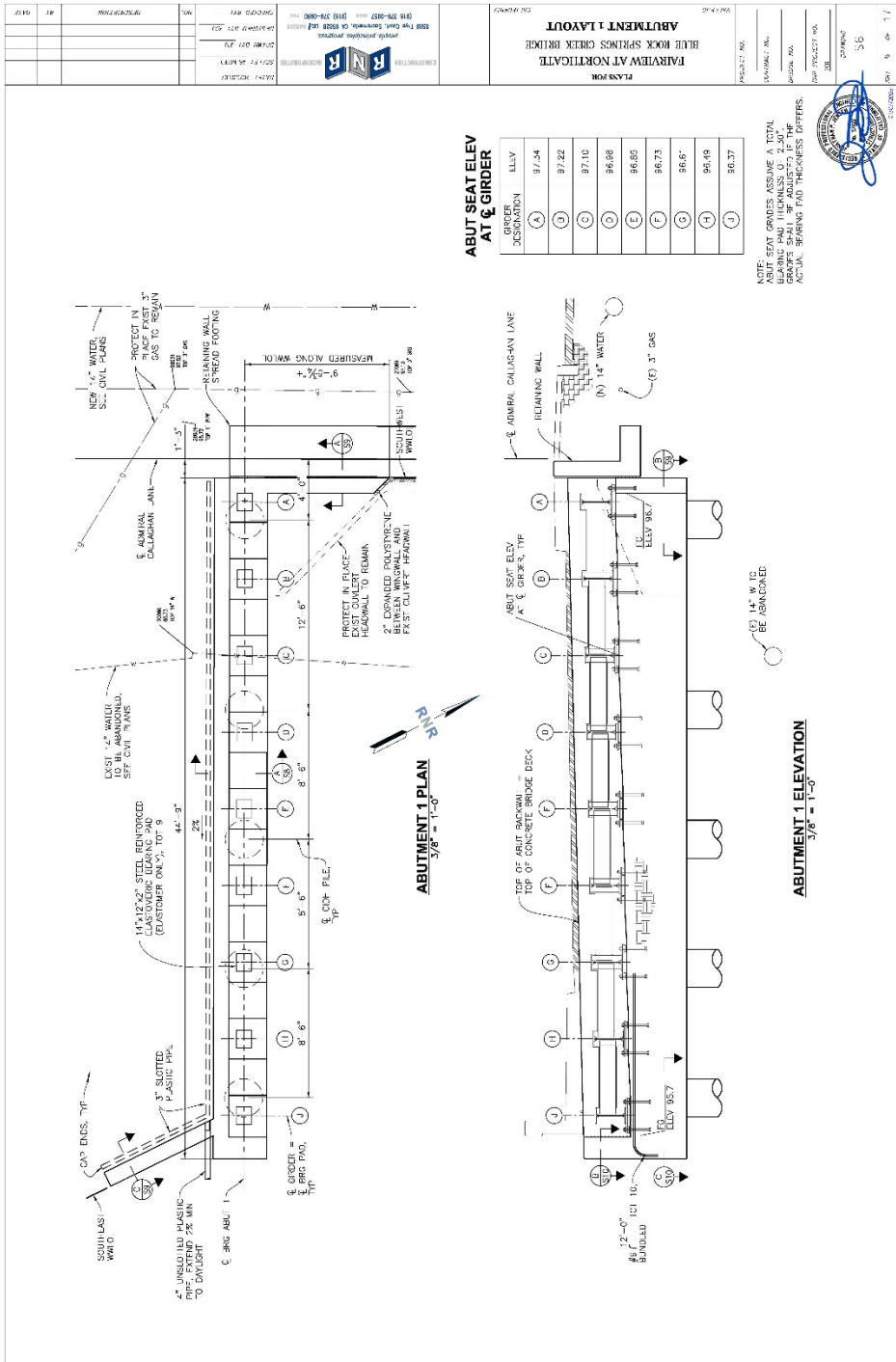
- SEE "CONCRETE STRENGTH & TYPE LIMITS" SHEET FOR SPOT ELEVATIONS FOR CONCRETE MEDIAN AND CONCRETE BARRIER

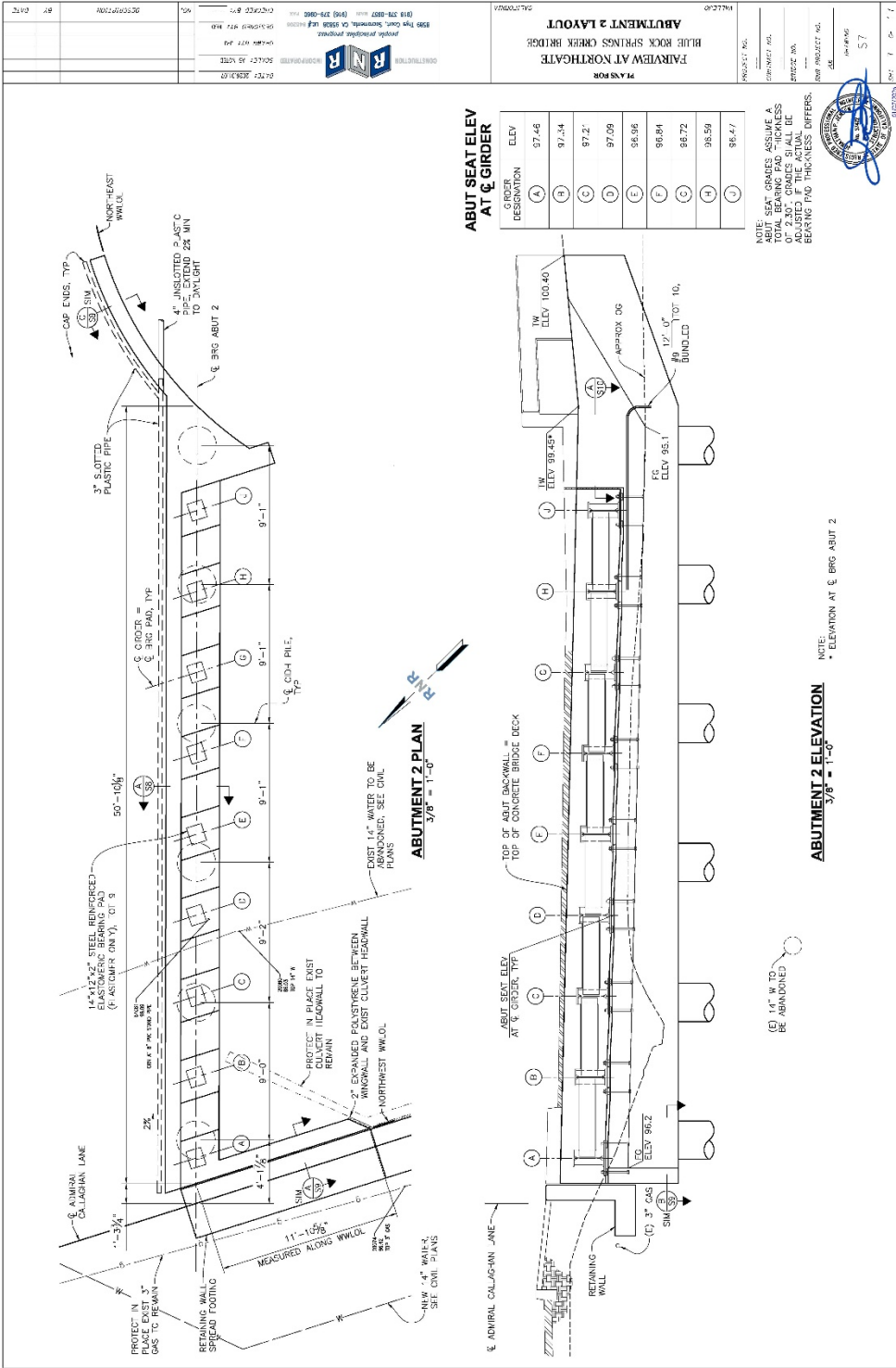


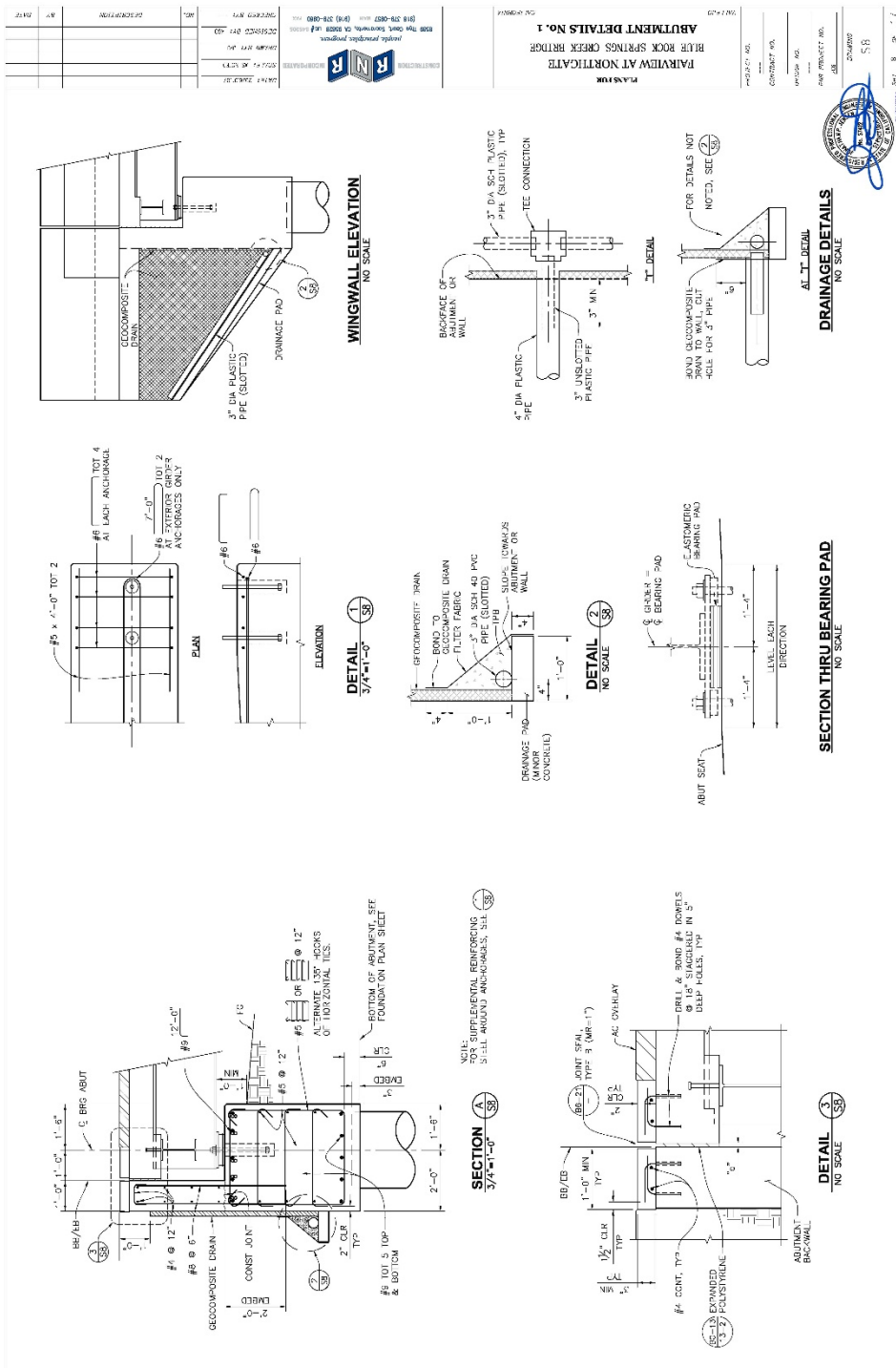
## AC SPOT ELEVATIONS

1\"/>









|     |          |                      |          |          |
|-----|----------|----------------------|----------|----------|
| NO. | DATE     | REVISION             | BY       | CHKD     |
| 01  | 01/11/17 | ISSUED FOR PERMIT    | 01/11/17 | 01/11/17 |
| 02  | 02/07/17 | REVISED PER COMMENTS | 02/07/17 | 02/07/17 |
| 03  | 03/07/17 | REVISED PER COMMENTS | 03/07/17 | 03/07/17 |
| 04  | 04/07/17 | REVISED PER COMMENTS | 04/07/17 | 04/07/17 |
| 05  | 05/07/17 | REVISED PER COMMENTS | 05/07/17 | 05/07/17 |
| 06  | 06/07/17 | REVISED PER COMMENTS | 06/07/17 | 06/07/17 |
| 07  | 07/07/17 | REVISED PER COMMENTS | 07/07/17 | 07/07/17 |
| 08  | 08/07/17 | REVISED PER COMMENTS | 08/07/17 | 08/07/17 |
| 09  | 09/07/17 | REVISED PER COMMENTS | 09/07/17 | 09/07/17 |
| 10  | 10/07/17 | REVISED PER COMMENTS | 10/07/17 | 10/07/17 |
| 11  | 11/07/17 | REVISED PER COMMENTS | 11/07/17 | 11/07/17 |
| 12  | 12/07/17 | REVISED PER COMMENTS | 12/07/17 | 12/07/17 |

**FAIRPLAY AT NORTHGATE**  
BLUE BOOK SPRINGS CREEK BRIDGE

PROJECT NO. 17-000000-0000

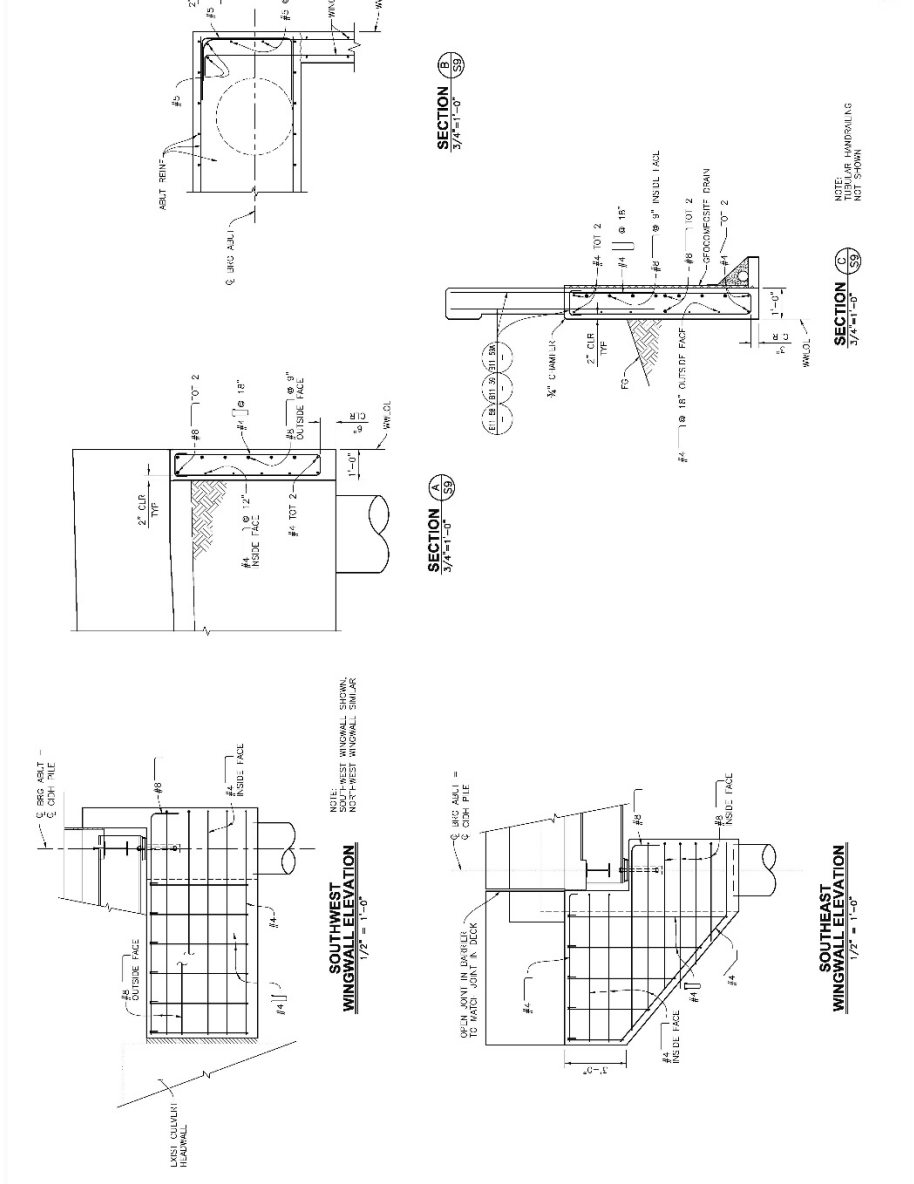
DESIGNED BY: [Signature]

CHECKED BY: [Signature]

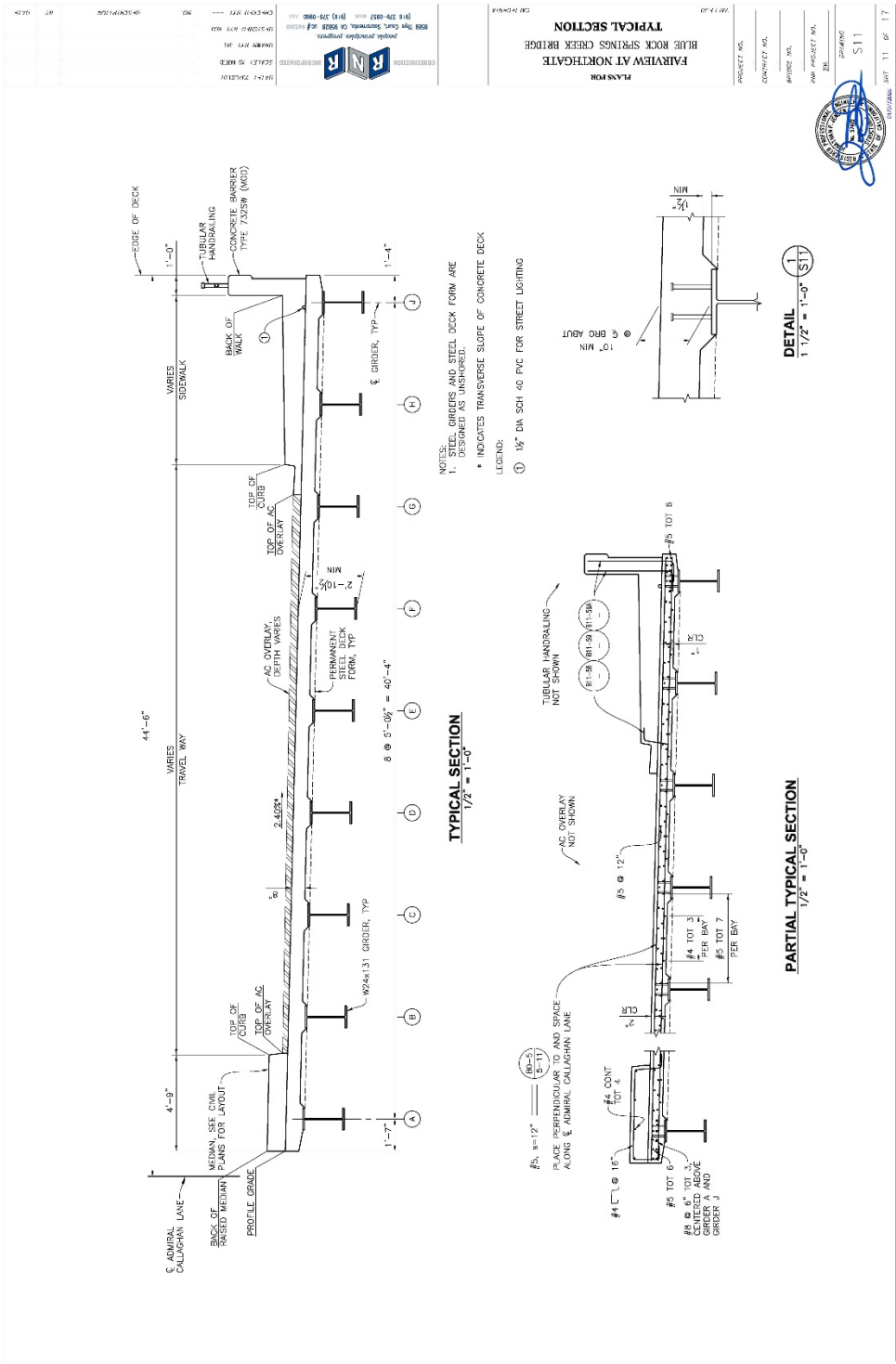
DATE: 01/11/17

SCALE: 1/4" = 1'-0"

NOTES: TUBULAR HANDRAILING NOT SHOWN



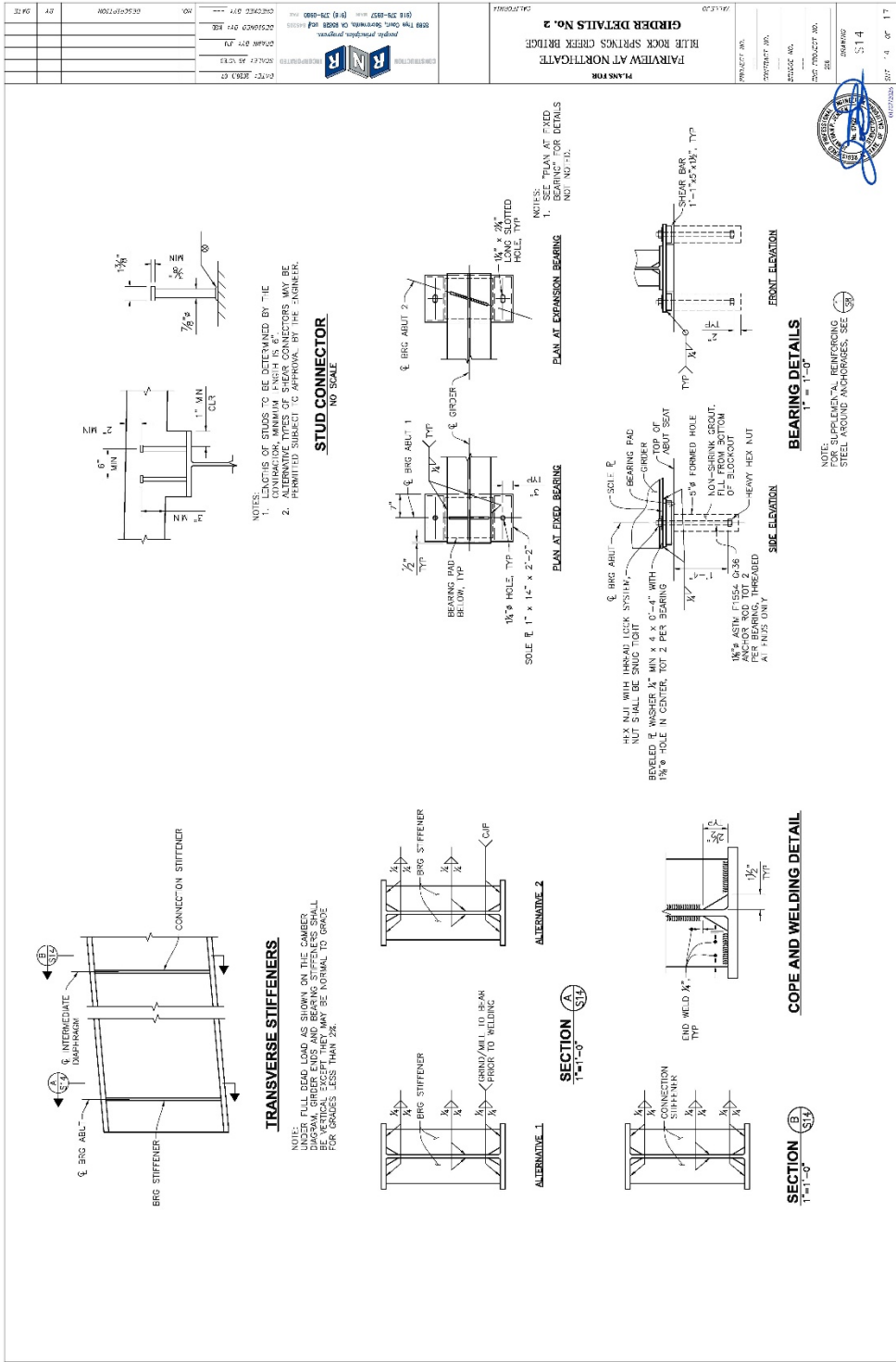


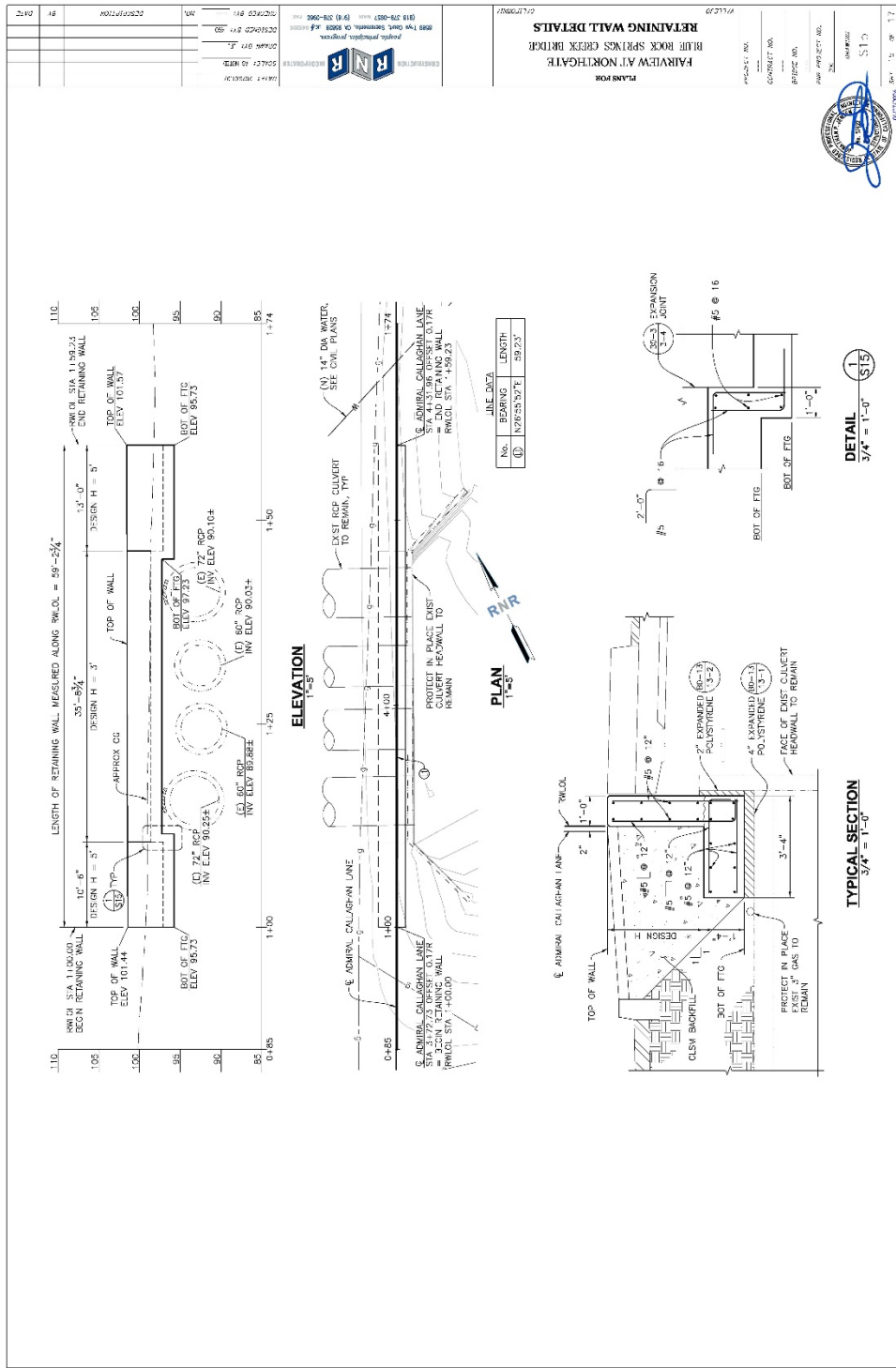
















## **EXHIBIT B**

Construction Plans for Admiral Callaghan Lane & Turner Parkway Vallejo, California



CONVENT STREET - WALLS & COLUMNS  
 REMOVED  
 STEEL BRACE - MAJOR & CARRY BRUSH  
 STEEL BEAM OVER 20' LONGER  
 TELEPHONE LINE  
 FLOOR JOIST LINE  
 FLOOR GIRD BEAM

CITY OF VALLEJO CONFIRM UNKNOWN AT THE INTERSECTION OF HENRY STREET  
 VERO'S ARCADE (ELEVATION = 75.5') (NAD83)  
 TO CORRELATE TO CITY OF VALLEJO DATUM, SUBTRACT 8.5' TO ELEVATIONS 94.0'  
 HEREON. NAVD83-85 = CITY OF VALLEJO DATUM

THE BEARING OF SOUTH 89° 30' 05" EAST TAKEN ON THE SOUTHERLY LINE OF THE PARCEL SHOWN ON THAT CERTAIN RECORD OF SURVEY FILED FOR RECORD ON MAY 20, 1913, IN BOOK 30 OF SURVEYS AT PAGE 94, OFFICIAL RECORDS OF SLOAN COUNTY, WIS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON.

THE STORMWATER TREATMENT REQUIREMENT FOR THIS SCOPE OF WORK HAS BEEN MODIFIED THROUGH R-110U TREATMENT AT DAN FOLEY PARK IN WILLOD UNDER PERMIT # PW2-00285.

FOR ALL STARTING SCHEDULING AND REQUEST FOR PROPOSALS PLEASE CONTACT:  
CIBRY HAMMOND  
(925) 245-8788 EXT. 2034  
ghammond@kiewitlight.com

## IMPROVEMENTS PREPARED UNDER

| RECORD                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------|
| This is [redacted] about [redacted] to top<br>[redacted] to the [redacted] and [redacted]<br>the [redacted] [redacted] |

[illegible][illegible]

BY *[Signature]*

APPROVED FOR CONSTRUCTION  
DEPARTMENT OF PUBLIC WORKS - ENGINEERING DIVISION

BY Asst DATE 7/10  
OSCAR ALCAZAR

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 KIER+WRIGHT

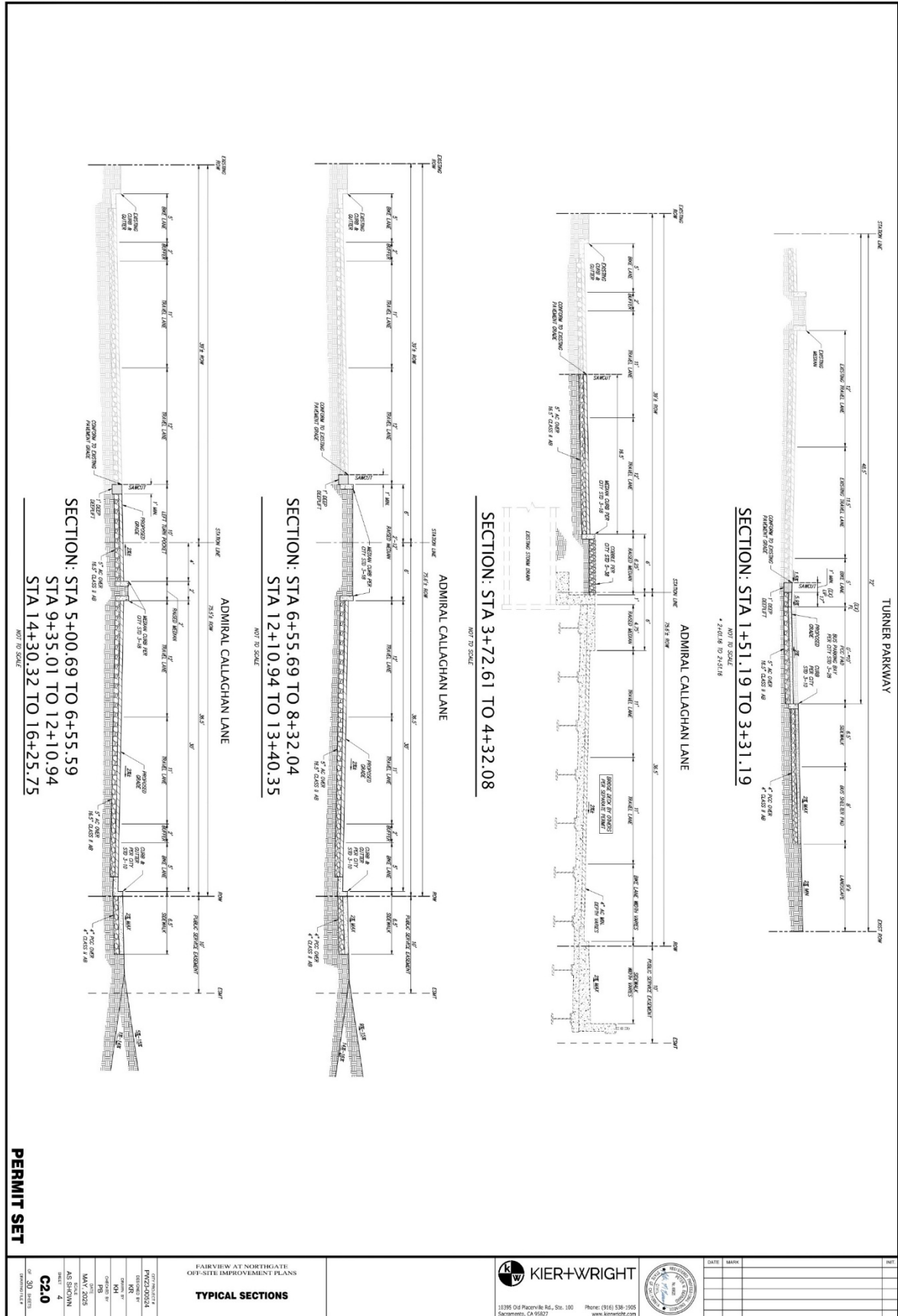
10395 Old Placerville Rd., Ste. 100 Phone: (916) 538-1905  
Sacramento, CA 95827 [www.kierwright.com](http://www.kierwright.com)

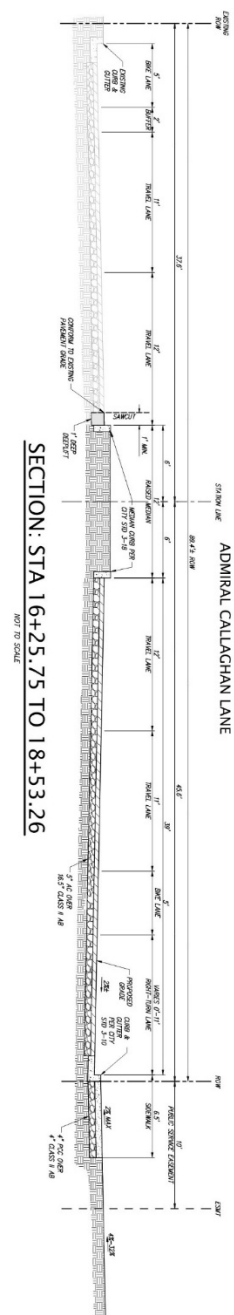


VALLEJO FLOOD & WASTEWATER DISTRICT  
STORM DRAIN NOTES[illegible][illegible]

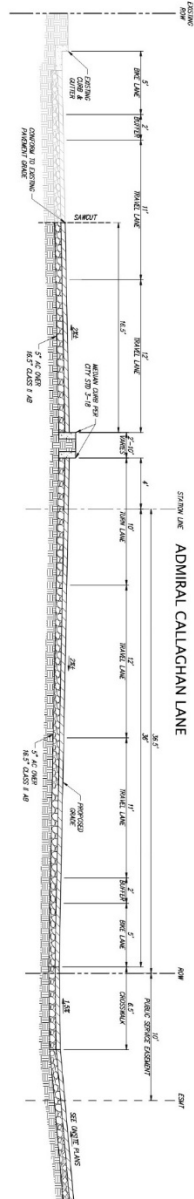
|                                                                                                        |                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>KIER+WRIGHT</b> | 10395 Old Riverdale Rd., Ste. 100<br>Sacramento, CA 95827<br>Phone: (916) 536-1955<br><a href="http://www.kierwright.com">www.kierwright.com</a> |
| 10395 Old Riverdale Rd., Ste. 100<br>Sacramento, CA 95827<br><b>C1.1</b>                               | FAIRWAY AT NORTHEAST<br>OFF-SITE IMPROVEMENT PLANS<br><br><b>NOTES</b>                                                                           |
| 10395 Old Riverdale Rd., Ste. 100<br>Sacramento, CA 95827<br><b>C1.1</b>                               | 10395 Old Riverdale Rd., Ste. 100<br>Sacramento, CA 95827<br><b>C1.1</b>                                                                         |



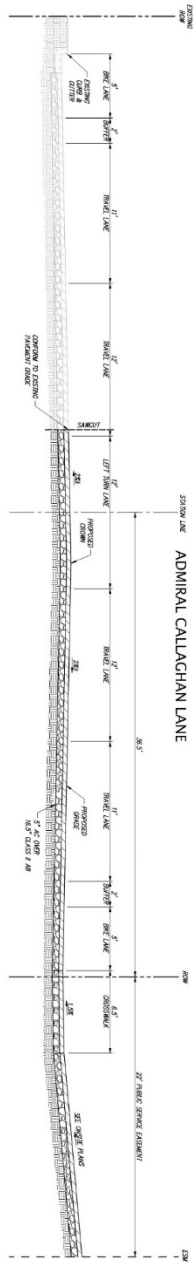




**SECTION: STA 16+25.75 TO 18+53.26**



DRIVEMWAY TYPICAL SECTION: STA 4+39.55



**DRIVEWAY TYPICAL SECTION: STA 8+84.73 & 13+88.09**

**PERMIT SET**[illegible]

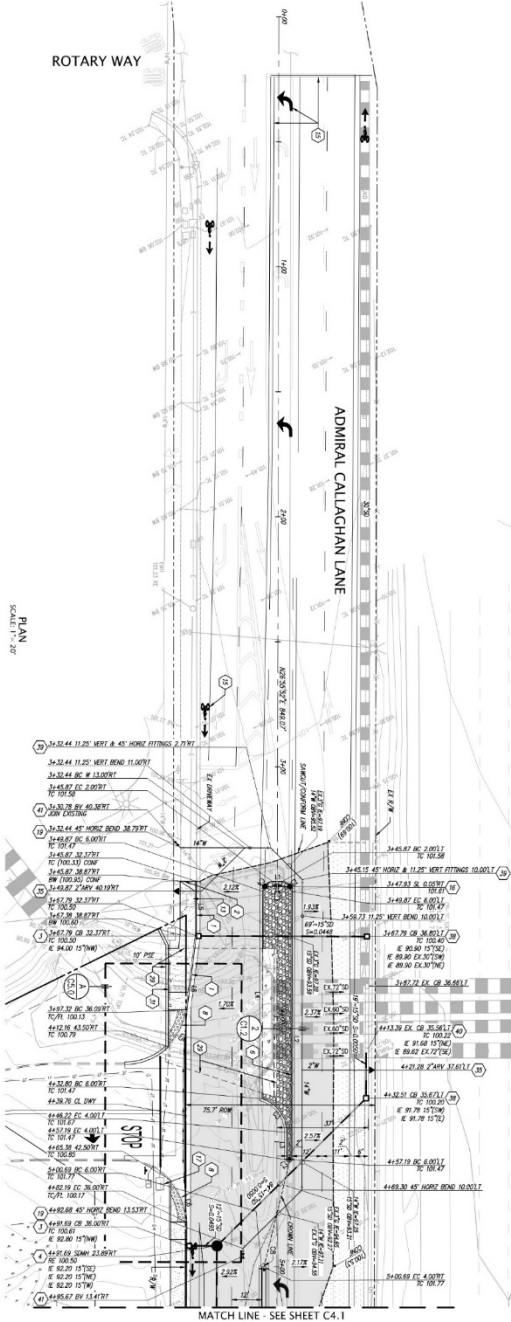




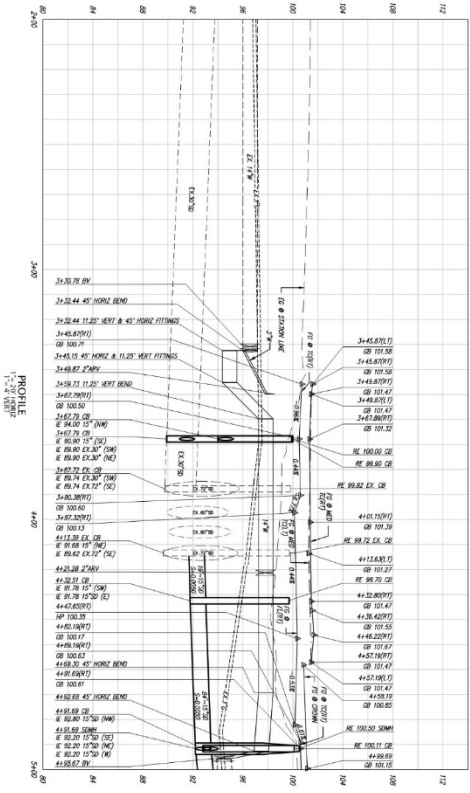
**CONSTRUCTION STAKING NOTE**  
FOR ALL STAKING, CONSTRUCTION AND ERECTION FOR  
CITY OF SAN JOSE, CA  
PROJECT NO. 181575-17  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

Know what's below.  
Call before you dig.  
811  
LOCAL RESOURCES:  
CALIFORNIA 811  
UTAH 811  
ARIZONA 811  
NEW MEXICO 811  
NEVADA 811  
IDAHO 811  
MONTANA 811  
WYOMING 811  
COLORADO 811  
UTAH 811  
ARIZONA 811  
NEW MEXICO 811  
NEVADA 811  
IDAHO 811  
MONTANA 811  
WYOMING 811  
COLORADO 811

| LINE TABLE |                   |        |         | CURVE TABLE |        |        |  |
|------------|-------------------|--------|---------|-------------|--------|--------|--|
| LINE #     | DIRECTION         | LENGTH | CHORD # | BEARINGS    | DELTA  | LENGTH |  |
| L1         | S 36.50° W 1.71'  | 4.00'  | C1      | 4.00°       | 90.00° | 4.00'  |  |
| L2         | S 50.50° W 10.22' | C2     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L3         | S 50.50° W 10.22' | C3     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L4         | N 60.50° E 10.22' | C4     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L5         | N 60.50° E 10.22' | C5     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L6         | N 60.50° E 10.22' | C6     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L7         | N 60.50° E 10.22' | C7     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L8         | N 60.50° E 10.22' | C8     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L9         | N 60.50° E 10.22' | C9     | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L10        | N 60.50° E 10.22' | C10    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L11        | N 60.50° E 10.22' | C11    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L12        | N 60.50° E 10.22' | C12    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L13        | N 60.50° E 10.22' | C13    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L14        | N 60.50° E 10.22' | C14    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L15        | N 60.50° E 10.22' | C15    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L16        | N 60.50° E 10.22' | C16    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L17        | N 60.50° E 10.22' | C17    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L18        | N 60.50° E 10.22' | C18    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L19        | N 60.50° E 10.22' | C19    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L20        | N 60.50° E 10.22' | C20    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L21        | N 60.50° E 10.22' | C21    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L22        | N 60.50° E 10.22' | C22    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L23        | N 60.50° E 10.22' | C23    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L24        | N 60.50° E 10.22' | C24    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L25        | N 60.50° E 10.22' | C25    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L26        | N 60.50° E 10.22' | C26    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L27        | N 60.50° E 10.22' | C27    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L28        | N 60.50° E 10.22' | C28    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L29        | N 60.50° E 10.22' | C29    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L30        | N 60.50° E 10.22' | C30    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L31        | N 60.50° E 10.22' | C31    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L32        | N 60.50° E 10.22' | C32    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L33        | N 60.50° E 10.22' | C33    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L34        | N 60.50° E 10.22' | C34    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L35        | N 60.50° E 10.22' | C35    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L36        | N 60.50° E 10.22' | C36    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L37        | N 60.50° E 10.22' | C37    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L38        | N 60.50° E 10.22' | C38    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L39        | N 60.50° E 10.22' | C39    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L40        | N 60.50° E 10.22' | C40    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L41        | N 60.50° E 10.22' | C41    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L42        | N 60.50° E 10.22' | C42    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L43        | N 60.50° E 10.22' | C43    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L44        | N 60.50° E 10.22' | C44    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L45        | N 60.50° E 10.22' | C45    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L46        | N 60.50° E 10.22' | C46    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L47        | N 60.50° E 10.22' | C47    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L48        | N 60.50° E 10.22' | C48    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L49        | N 60.50° E 10.22' | C49    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L50        | N 60.50° E 10.22' | C50    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L51        | N 60.50° E 10.22' | C51    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L52        | N 60.50° E 10.22' | C52    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L53        | N 60.50° E 10.22' | C53    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L54        | N 60.50° E 10.22' | C54    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L55        | N 60.50° E 10.22' | C55    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L56        | N 60.50° E 10.22' | C56    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L57        | N 60.50° E 10.22' | C57    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L58        | N 60.50° E 10.22' | C58    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L59        | N 60.50° E 10.22' | C59    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L60        | N 60.50° E 10.22' | C60    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L61        | N 60.50° E 10.22' | C61    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L62        | N 60.50° E 10.22' | C62    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L63        | N 60.50° E 10.22' | C63    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L64        | N 60.50° E 10.22' | C64    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L65        | N 60.50° E 10.22' | C65    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L66        | N 60.50° E 10.22' | C66    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L67        | N 60.50° E 10.22' | C67    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L68        | N 60.50° E 10.22' | C68    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L69        | N 60.50° E 10.22' | C69    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L70        | N 60.50° E 10.22' | C70    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L71        | N 60.50° E 10.22' | C71    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L72        | N 60.50° E 10.22' | C72    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L73        | N 60.50° E 10.22' | C73    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L74        | N 60.50° E 10.22' | C74    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L75        | N 60.50° E 10.22' | C75    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L76        | N 60.50° E 10.22' | C76    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L77        | N 60.50° E 10.22' | C77    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L78        | N 60.50° E 10.22' | C78    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L79        | N 60.50° E 10.22' | C79    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L80        | N 60.50° E 10.22' | C80    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L81        | N 60.50° E 10.22' | C81    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L82        | N 60.50° E 10.22' | C82    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L83        | N 60.50° E 10.22' | C83    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L84        | N 60.50° E 10.22' | C84    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L85        | N 60.50° E 10.22' | C85    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L86        | N 60.50° E 10.22' | C86    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L87        | N 60.50° E 10.22' | C87    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L88        | N 60.50° E 10.22' | C88    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L89        | N 60.50° E 10.22' | C89    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L90        | N 60.50° E 10.22' | C90    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L91        | N 60.50° E 10.22' | C91    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L92        | N 60.50° E 10.22' | C92    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L93        | N 60.50° E 10.22' | C93    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L94        | N 60.50° E 10.22' | C94    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L95        | N 60.50° E 10.22' | C95    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L96        | N 60.50° E 10.22' | C96    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L97        | N 60.50° E 10.22' | C97    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L98        | N 60.50° E 10.22' | C98    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L99        | N 60.50° E 10.22' | C99    | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |
| L100       | N 60.50° E 10.22' | C100   | 1.00'   | 90.00°      | 1.00'  | 1.00'  |  |



PLAN  
SCALE 1" = 20'



PROFILE  
SCALE 1" = 2' VERTICAL

- NOTES:
1. EXISTING GRADE, PAVEMENT, AND MATERIAL SHALL BE 3% RISE.
  2. 14" WATER MAIN PIPE MATERIAL SHALL BE DUCTILE IRON PIPE.
  3. ALL JOINTS AND FITTINGS FOR THE PROPOSED 14" WATER MAIN SHALL BE OPERATING FOR BELOW AND AROUND FROM TO CONSTRUCTION OF WATER MAIN.

PERMIT SET

C4.0

FAIRVIEW AT NORTHEAST  
OFF-SITE IMPROVEMENTS  
ADMIRAL CALLAGHAN LANE -  
PLAN & PROFILE 0+00 TO 5+00

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
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PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
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DATE: 6-12-25  
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PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
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CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
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CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

PROJECT NO. 181575-17  
SHEET NO. 1 OF 1

SCALE: 1" = 20' (PLAN)  
1" = 2' (PROFILE)

DATE: 6-12-25  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT  
DATE: 6-12-25

KIER+WRIGHT  
18015 Old Placentia Rd., Ste. 100  
San Clemente, CA 92673  
Phone: (949) 538-1955  
www.kierwright.com



| DATE    | REVISION | BY        | CHKD      |
|---------|----------|-----------|-----------|
| 6-12-25 | 1        | J. WRIGHT | J. WRIGHT |









**CONSTRUCTION STAKING NOTE**  
STATIONING SHALL BE BASED ON THE  
PROVIDED STATIONING.  
DATE: 6/11/2025  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT

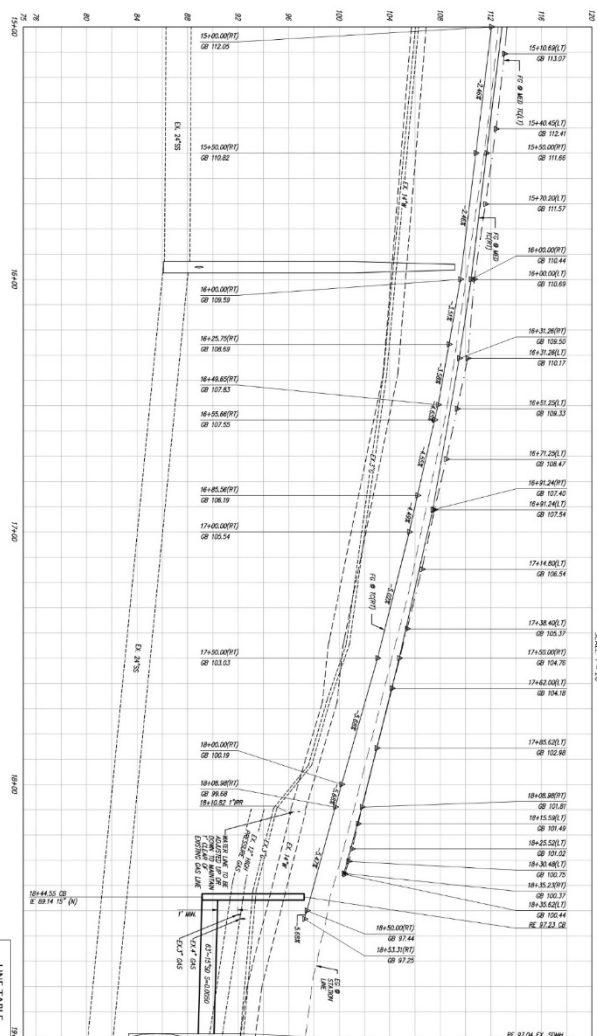


from north below

ADDITIONAL STAKING  
CALLS FOR 11'4" WIDE  
SIDEWALKS  
OPERATIONS

**NOTES:**  
1. STORM DRAIN PIPE MATERIAL SHALL BE 30" PCP.  
2. 1" WATER MAIN PIPE MATERIAL SHALL BE 12" DUCTILE IRON PIPE.  
3. ALL JOINTS AND FITTINGS FOR THE PROPOSED 1" WATER MAIN SHALL BE  
DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OF WATER MAIN.

**PROFILE**  
1" = 2' VERT  
1" = 20' HORIZ



| LINE TABLE |                | CURVE TABLE |          | CURVE TABLE |        |
|------------|----------------|-------------|----------|-------------|--------|
| LINE #     | SECTION        | LENGTH      | START    | END         | LENGTH |
| 1          | 15+00 TO 15+25 | 25.00       | 15+00.00 | 15+25.00    | 25.00  |
| 2          | 15+25 TO 15+50 | 25.00       | 15+25.00 | 15+50.00    | 25.00  |
| 3          | 15+50 TO 15+75 | 25.00       | 15+50.00 | 15+75.00    | 25.00  |
| 4          | 15+75 TO 16+00 | 25.00       | 15+75.00 | 16+00.00    | 25.00  |
| 5          | 16+00 TO 16+25 | 25.00       | 16+00.00 | 16+25.00    | 25.00  |
| 6          | 16+25 TO 16+50 | 25.00       | 16+25.00 | 16+50.00    | 25.00  |
| 7          | 16+50 TO 16+75 | 25.00       | 16+50.00 | 16+75.00    | 25.00  |
| 8          | 16+75 TO 17+00 | 25.00       | 16+75.00 | 17+00.00    | 25.00  |
| 9          | 17+00 TO 17+25 | 25.00       | 17+00.00 | 17+25.00    | 25.00  |
| 10         | 17+25 TO 17+50 | 25.00       | 17+25.00 | 17+50.00    | 25.00  |
| 11         | 17+50 TO 17+75 | 25.00       | 17+50.00 | 17+75.00    | 25.00  |
| 12         | 17+75 TO 18+00 | 25.00       | 17+75.00 | 18+00.00    | 25.00  |
| 13         | 18+00 TO 18+25 | 25.00       | 18+00.00 | 18+25.00    | 25.00  |
| 14         | 18+25 TO 18+50 | 25.00       | 18+25.00 | 18+50.00    | 25.00  |
| 15         | 18+50 TO 18+75 | 25.00       | 18+50.00 | 18+75.00    | 25.00  |
| 16         | 18+75 TO 19+00 | 25.00       | 18+75.00 | 19+00.00    | 25.00  |
| 17         | 19+00 TO 19+25 | 25.00       | 19+00.00 | 19+25.00    | 25.00  |
| 18         | 19+25 TO 19+50 | 25.00       | 19+25.00 | 19+50.00    | 25.00  |
| 19         | 19+50 TO 19+75 | 25.00       | 19+50.00 | 19+75.00    | 25.00  |
| 20         | 19+75 TO 20+00 | 25.00       | 19+75.00 | 20+00.00    | 25.00  |

**PERMIT SET**

- 1. EXISTING GROUND, UTILITIES, AND STRUCTURES FOR CITY OF HULLS
- 2. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 3. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 4. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 5. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
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- 17. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 18. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 19. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 20. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS

**KEYNOTES**

- 1. EXISTING GROUND, UTILITIES, AND STRUCTURES FOR CITY OF HULLS
- 2. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 3. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
- 4. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS
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- 20. PROPOSED STORM DRAIN, WATER MAIN, AND SIDEWALK FOR CITY OF HULLS

**ADMIRAL CALLAGHAN LANE - PLAN & PROFILE 15+00 TO 20+00**

DATE: 6/11/2025  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT

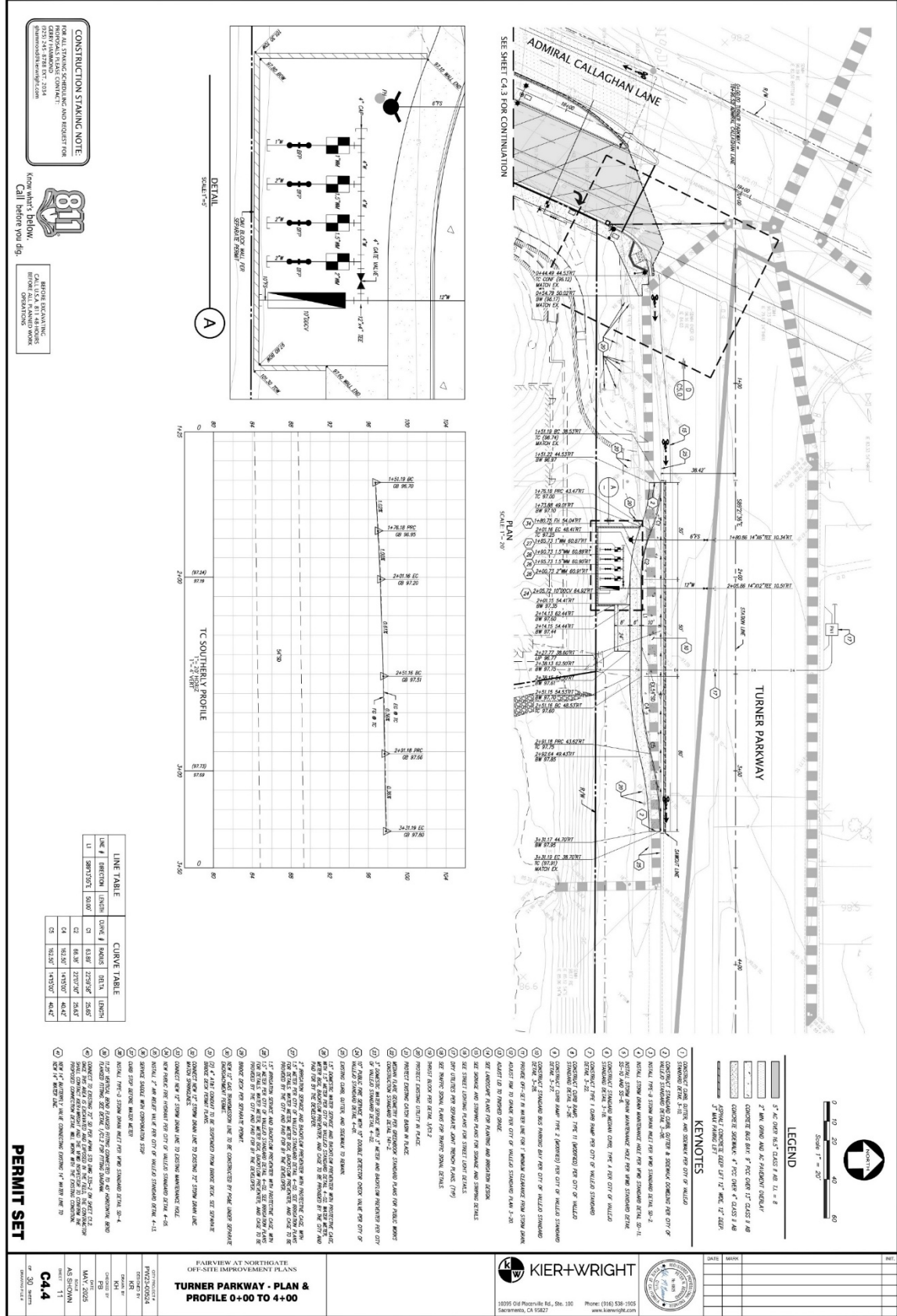
**KIER+WRIGHT**

10195 Old Riverdale Rd., Ste. 100  
Baltimore, MD 21237

Phone: (410) 538-1905  
www.kierwright.com

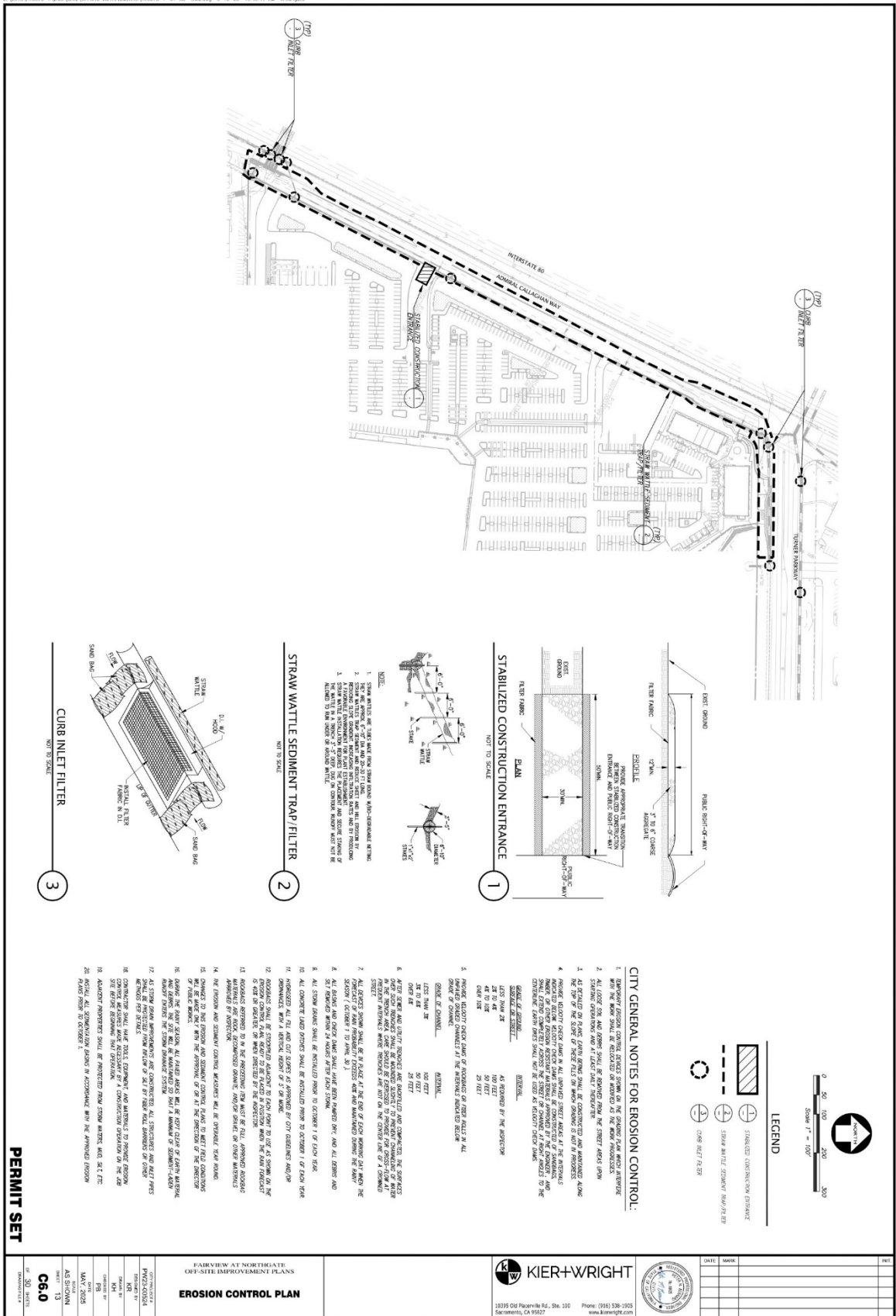
**ADMIRAL CALLAGHAN LANE - PLAN & PROFILE 15+00 TO 20+00**

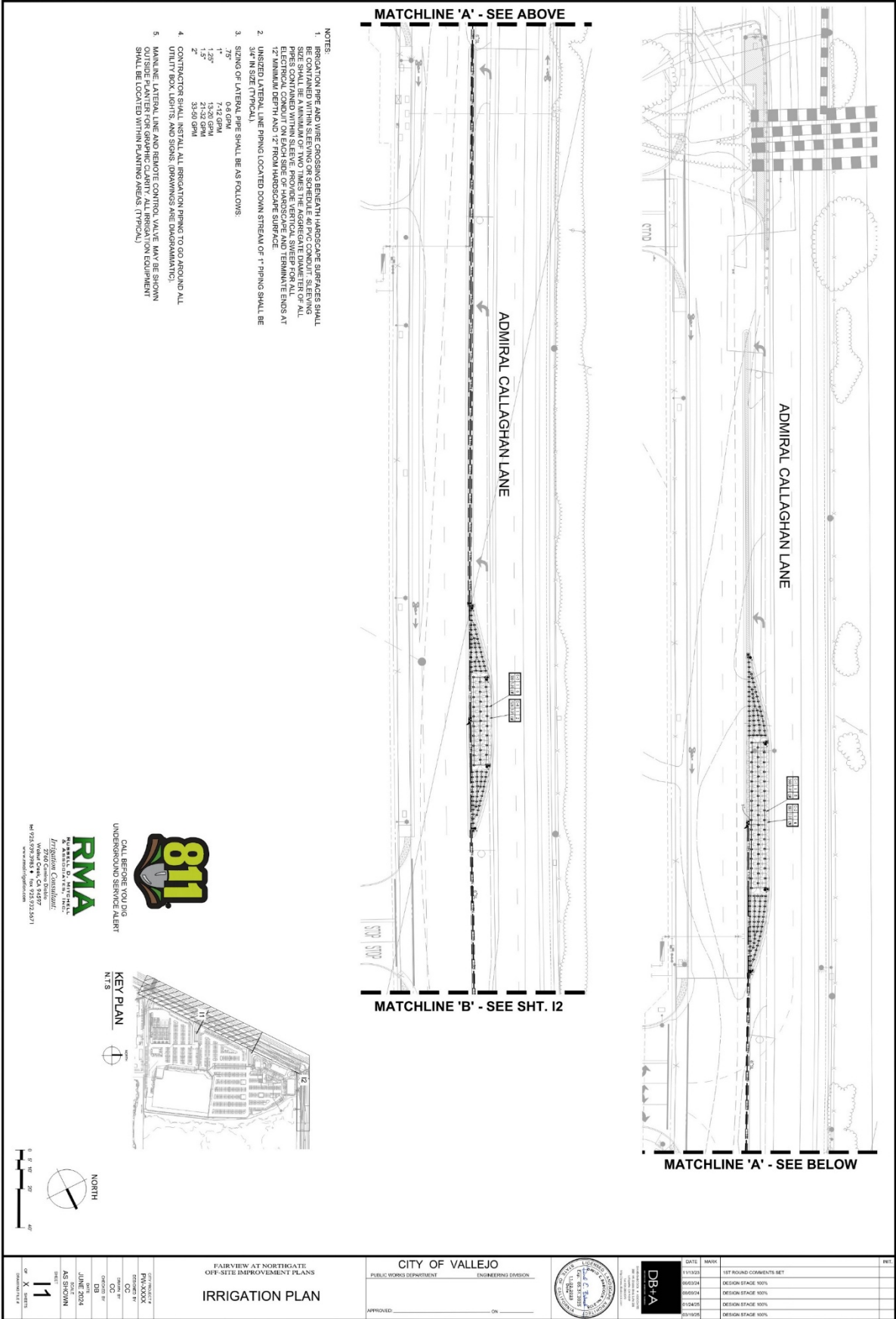
DATE: 6/11/2025  
DRAWN BY: J. WRIGHT  
CHECKED BY: J. WRIGHT



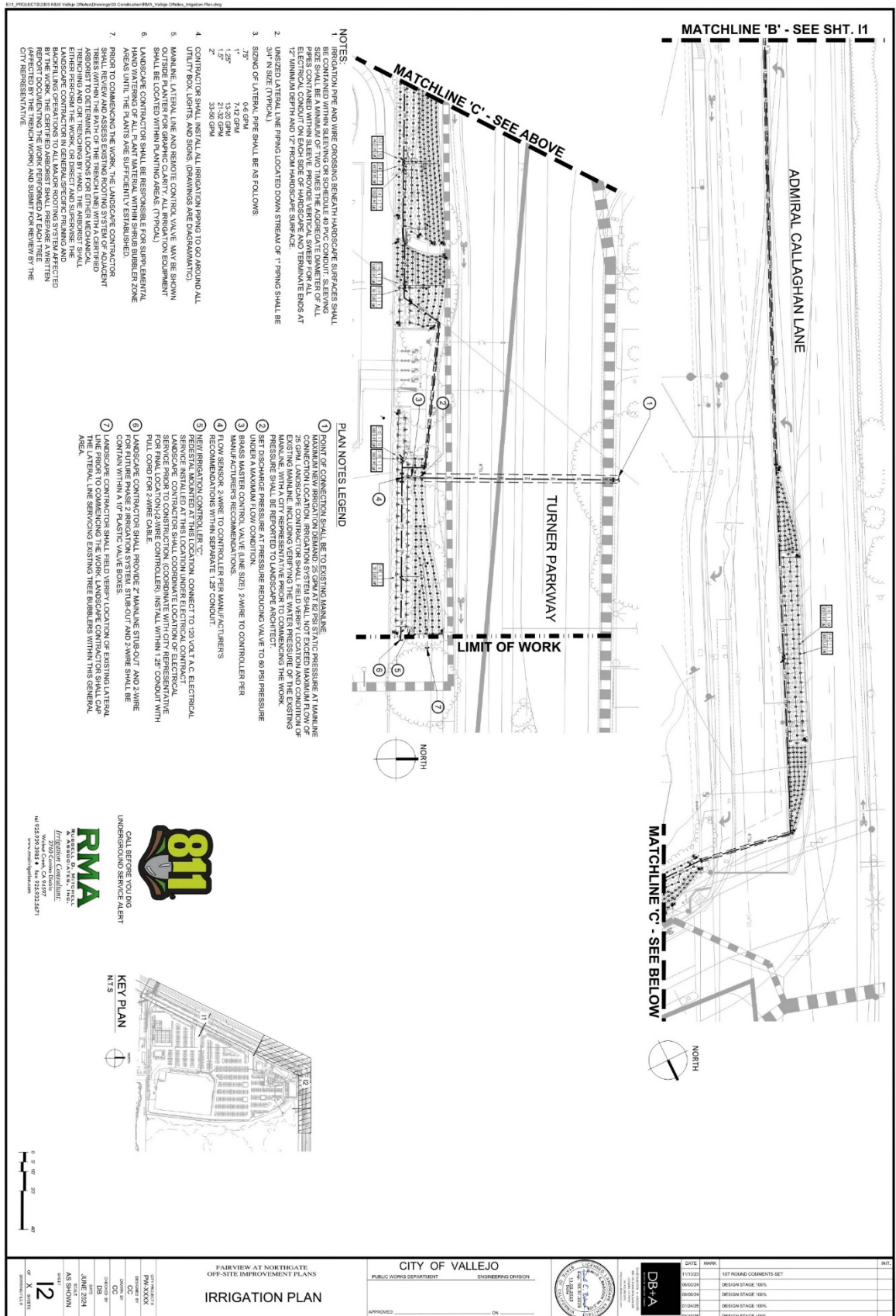












## IRRIGATION NOTES

- [illegible]

<sup>2</sup>A Landscape Irrigation Audit is require. This Audit must be completed by a Certified Landscape Irrigation Auditor, not the designer or installer. The Auditor must be submitted to the Building Department, with Certificate of Completion (Appendix C), as required by the Department of Water Resources, prior to scheduling a Final Inspection of the Water Efficient Landscape permit."

WATER CONSERVATION STATEMENT  
RUSSELL D. MITCHELL AND ASSOCIATES, INC. (RMA) HAVE COMPLIED  
WITH THE CRITERIA OF THE MODEL WATER EFFICIENT LANDSCAPE  
ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT  
USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

*Joel Cruz*  
\_\_\_\_\_  
JOEL CRUZ  
IRRIGATION CONSULTATION/PROJECT MANAGER

### IRRIGATION LEGEND

[illegible]

**RMA**  
RUBELL, D. MITCHELL  
& ASSOCIATES, INC.  
*Irrigation Consultants:*  
2750 Combs Drive  
Wolke Creek, CA 94597  
tel 925.939.3985 • fax 925.972.567  
[www.rma-irrigation.com](http://www.rma-irrigation.com)

IRRIGATION NOTES AND  
LEGEND

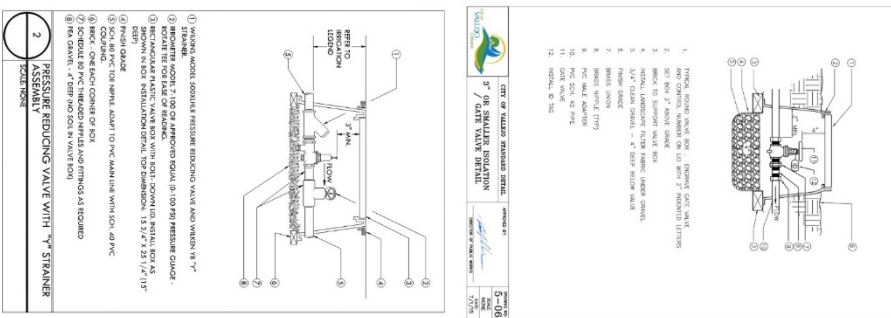
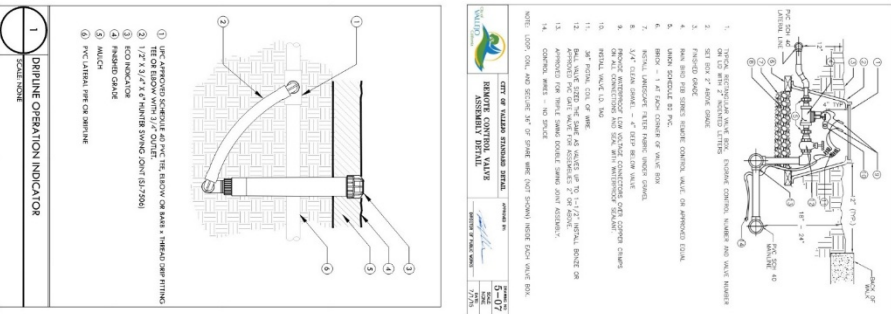
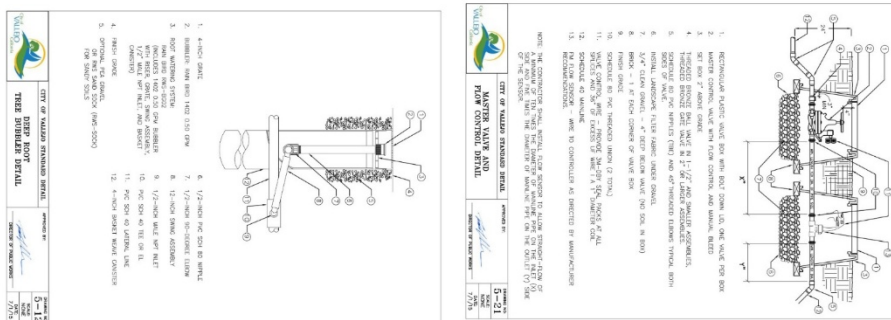
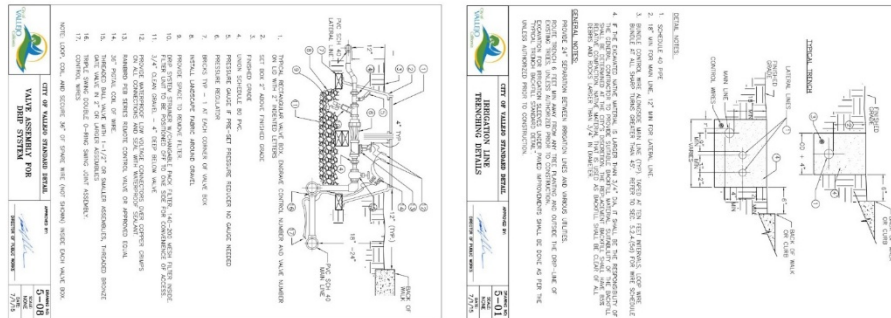
FAIRVIEW AT NORTHGATE  
OFF-SITE IMPROVEMENT PLANS

CITY OF  
PUBLIC WORKS DEPARTMENTVALLEJO  
ENCINERAS, OROZCO

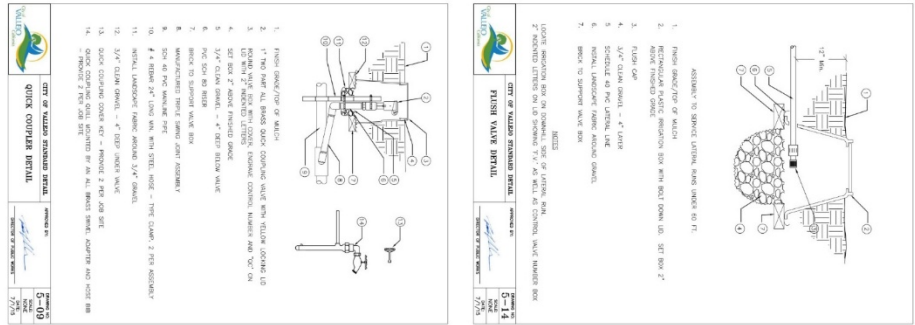
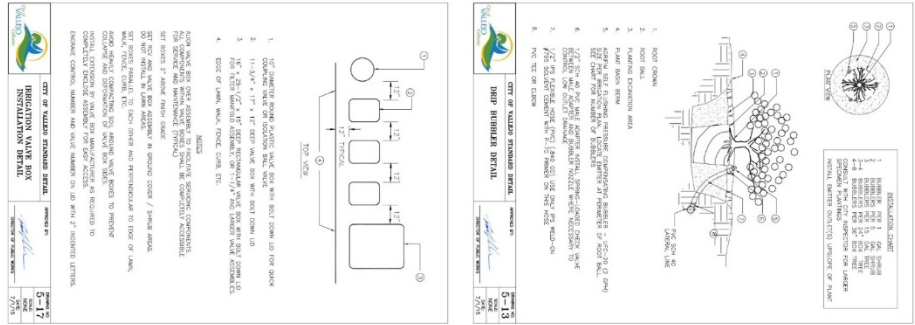
|  |                      |
|--|----------------------|
|  | 1ST ROUND CONFERENCE |
|  | DESIGN STAGE 100%    |
|  | DESIGN STAGE 100%    |
|  | DESIGN STAGE 100%    |
|  | DESIGN STAGE 100%    |

SET

|  |    |
|--|----|
|  | 20 |
|  |    |
|  |    |
|  |    |
|  |    |
|  |    |







**RMA**  
RMA Valley, CA  
1000 Commercial Blvd.  
Vallejo, CA 94592  
Tel: 925.939.5985 Fax: 925.939.5987  
www.rma-va.com

|            |           |                                                |
|------------|-----------|------------------------------------------------|
| WATER TYPE | POTABLE   | *Insert City to project with published ET data |
| CITY       | Bertha    |                                                |
| EIO        | 40.2      |                                                |
| DATE       | 3/14/2025 |                                                |

**WATER USE ESTIMATION & IRRIGATION SCHEDULE - Vallejo Offsites Medians-Admiral Callaghan Lane, Vallejo Ca**

## REGULAR LANDSCAPE AREAS

[illegible]

| SPECIAL LANDSCAPE AREAS |                |                   |                         |
|-------------------------|----------------|-------------------|-------------------------|
| HYDROZONE #             | HYDROZONE NAME | AREA (sq ft) (HA) | Percentage of Landscape |
|                         |                |                   | 0%                      |
|                         |                |                   |                         |

|      |              |        |
|------|--------------|--------|
|      | GALLONS/YR   | 91.656 |
|      | ACRE FEET/YR | 0.28   |
| MAWA | HFEND        | 102.63 |

|      |              |        |
|------|--------------|--------|
| ETWU | GALLONS/YR   | 75.437 |
|      | ACRE FEET/YR | 0.23   |
|      | HCF/YR       | 100.85 |

|                            |                   |                 |
|----------------------------|-------------------|-----------------|
| SITE IRRIGATION EFFICIENCY | SITE PLANT FACTOR | MAVPA COMPLIANT |
| 81.0%                      | 0.30              | YES             |

| ETAF Calculations       |        |
|-------------------------|--------|
| REGULAR LANDSCAPE AREAS |        |
| TOTAL ETAF x AREA       | 3.027  |
| TOTAL AREA              | 8.172  |
| AVG. ETAF               | 37.04% |

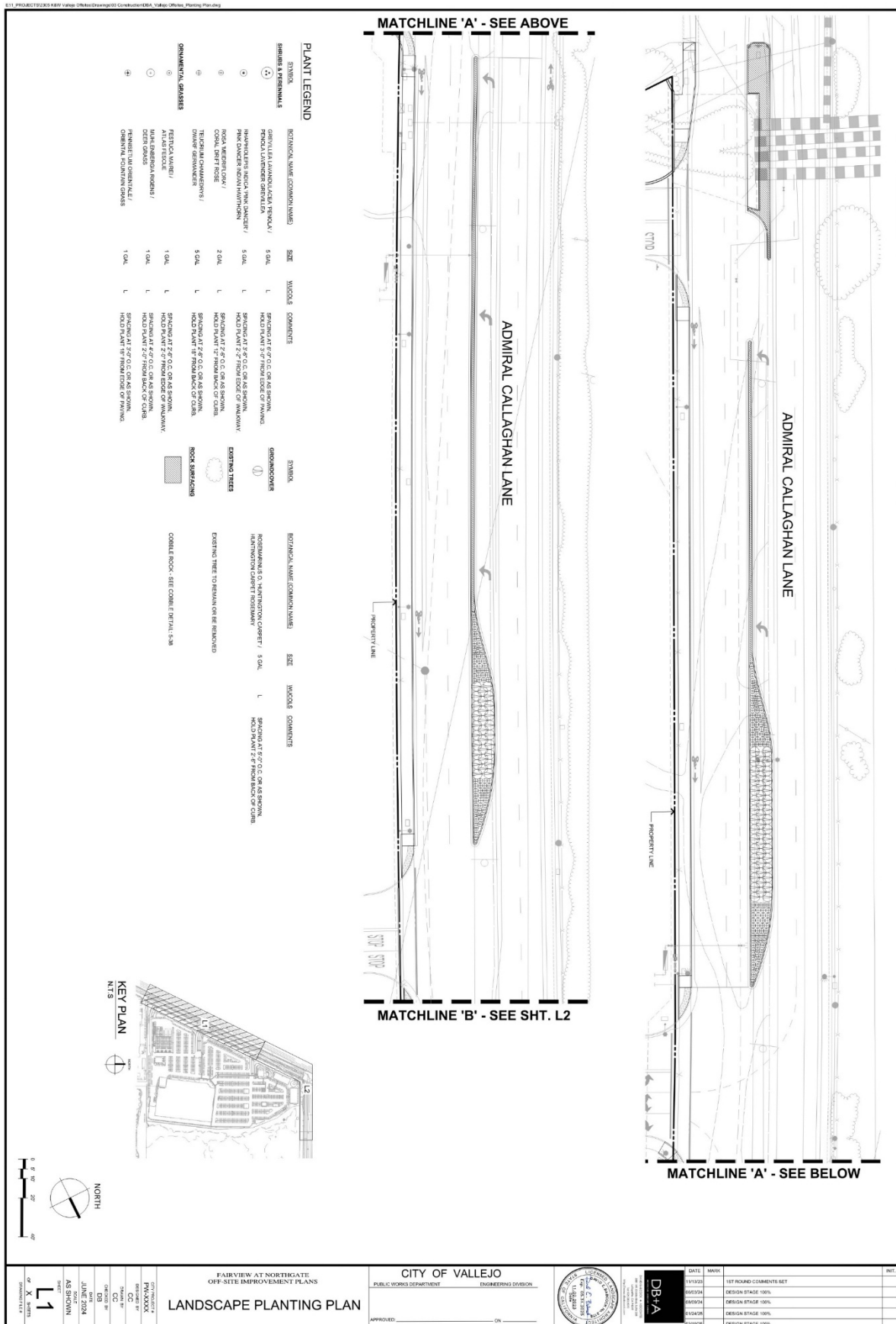
| MAMA FORMULA                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------|
| <p>MAXIMUM APPLIED WATER ALLOWANCE (MAMA) GALLONS PER YEAR</p> $MAMA = (ET(0.62)(LA \times 0.46) + (0.55 \times SLA))$ |

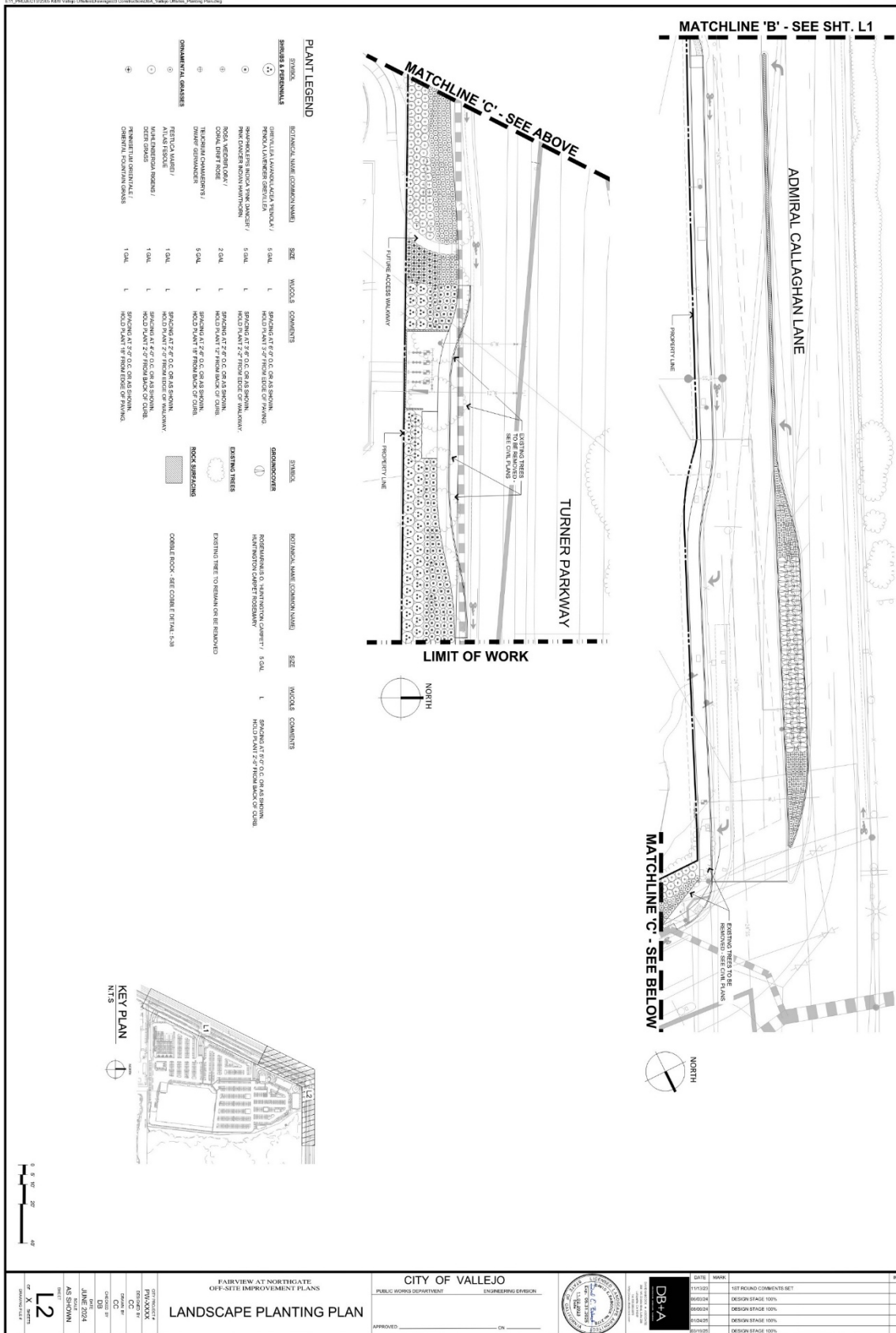
| ETW FORMULA                                                                                  |
|----------------------------------------------------------------------------------------------|
| ESTIMATED TOTAL WATER USE (ETWU) GALLONS PER YEAR<br>$ETWU = ((EIO) / 0.2) (ETAF \times LA)$ |

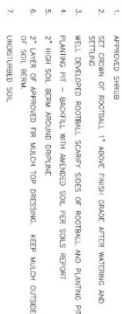
HA = HYDROZONE AREA (SQ.FT)  
0.62 = CONVERSION FACTOR (GALLONS/SQ.FT/IN)

IE = IRRIGATION EFFICIENCY (0.81)-BUBBLER/DRIP  
IE = IRRIGATION EFFICIENCY (0.75)-ROTORS/SPRINKLERS

REGISTRATION







|                                                                                   |                                 |             |                            |
|-----------------------------------------------------------------------------------|---------------------------------|-------------|----------------------------|
|  | CITY OF VALLEJO STANDARD DETAIL |             | DRAWING NO.<br><b>5-30</b> |
|                                                                                   | SHRUB PLANTING DETAIL           |             |                            |
|  |                                 | APPROVED BY | SCALE<br>NONE              |
| CHECKED BY PUBLIC WORKS                                                           |                                 | DATE        |                            |
|                                                                                   |                                 | 7/1/15      |                            |



|                                                                                                                                                              |                                                                                                |                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <br>CITY OF VALLEJO STANDARD DETAIL<br>MEDIAN GORE SHRUB<br>PLANTING DETAIL | APPROVED BY:  | DRAWN BY:  |
|                                                                                                                                                              | DATE: 7/1/15                                                                                   | SCALE: NONE                                                                                 |



| PLANT QUANTITY CHART |             |                     |
|----------------------|-------------|---------------------|
| SPACING "X"          | SPACING "Y" | NO. PLANTS PER S.F. |
| 6" O.C.              | 5' 0"       | 4.60                |
| 8" O.C.              | 7' 0"       | 2.78                |
| 10" O.C.             | 9' 0"       | 1.54                |
| 12" O.C.             | 10' 0"      | 1.15                |
| 16" O.C.             | 15' 0"      | 0.51                |
| 24" O.C.             | 20' 0"      | 0.29                |
| 36" O.C.             | 30' 0"      | 0.12                |

SEE GROUNDCOVER PLANT KEY FOR MAXIMUM TRIANGULAR SPACING 'A'. THIS CHART IS TO BE USED TO DETERMINE NUMBER OF GROUNDCOVER PLANTS REQUIRED IN A GIVEN AREA.

|                                                                                     |                                                                    |                                                                                                  |                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|
|  | CITY OF VALLEJO STANDARD DETAIL<br>GROUND COVER<br>PLANTING DETAIL | APPROVED BY:  | DRAWING NO.<br>5-34 |
|                                                                                     |                                                                    | DIRECTOR OF PUBLIC WORKS                                                                         | SCALE<br>NONE       |
|                                                                                     |                                                                    | DATE<br>7/1/15                                                                                   |                     |



1. SET 4", 8" DEWATER W/TH-ACROSS STROG (100% ON APPLIED EQUAL)
2. RTO R/W/3" THIER THICKNESS PLACES IN A HORIZONTAL ORIENTATION
3. SET COBBLE IN A NEAT AND CLEAN MANNER WITH MINIMUM WORKER PROTECTION
4. EX-6 CURB (TYPICAL)
5. EXISTING A.C. PAVEMENT
6. 6" THICK CONCRETE P/A GRATEL W/RTA BED
7. 95% COMPACTED SUBGRADE OR EXISTING A.C. PAVEMENT

BEFORE THE CONSTRUCTION OF THIS ROCK AND TO THE ENTIRETY OF THE CONTRACT WORKER IN  
BETWEEN THE JOINTS OF THE COBBLESTONES SHALL BE CAREFULLY REMOVED AND PLACED  
IN A SMOOTH JOINT. (MINIMUM PROTRUSION OF MORTAR WILL BE ALLOWED.) ENGINEER  
OR LANDSCAPE INSPECTOR APPROVAL OF STONES REQUIRED PRIOR TO INSTALLATION

|                                                                                                  |                                 |  |                                                            |
|--------------------------------------------------------------------------------------------------|---------------------------------|--|------------------------------------------------------------|
|               | CITY OF VALLEJO STANDARD DETAIL |  | DRAWN BY<br><b>5-38</b><br>SCALE<br>NONE<br>DATE<br>7/1/15 |
|                                                                                                  | COBBLE DETAIL                   |  |                                                            |
| APPROVED BY:  |                                 |  |                                                            |
| DIRECTOR OF PUBLIC WORKS                                                                         |                                 |  |                                                            |

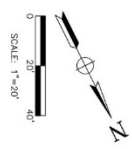
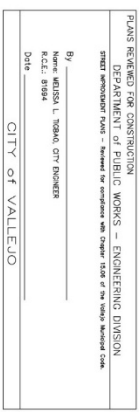
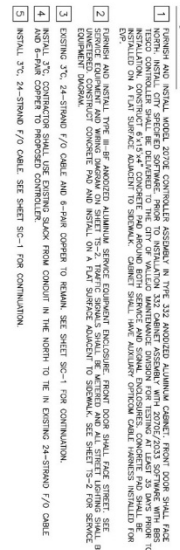
| DATE     | MARK                   | INT |
|----------|------------------------|-----|
| 11/11/23 | 1ST ROUND COMMENTS SET |     |
| 08/03/24 | DESIGN STAGE 100%      |     |
| 08/05/24 | DESIGN STAGE 100%      |     |
| 01/24/25 | DESIGN STAGE 100%      |     |
| 03/11/25 | DESIGN STAGE 100%      |     |



|                         |                      |
|-------------------------|----------------------|
| CITY OF VALLEJO         |                      |
| PUBLIC WORKS DEPARTMENT | ENGINEERING DIVISION |
|                         |                      |
| APPROVED: _____         | ON _____             |

LANDSCAPE DETAILS

|                |  |
|----------------|--|
| CITY PROJECT # |  |
| PW-XXXX        |  |
| DESIGNED BY    |  |
| CC             |  |
| DRAWN BY       |  |
| CC             |  |
| CHECKED BY     |  |
| D8             |  |
| DATE           |  |
| JUNE 2024      |  |
| SCALE          |  |
| AS SHOWN       |  |
| SHEET          |  |
| L3             |  |
| OF X SHEETS    |  |
| DRAWING FILE # |  |





## EQUIPMENT SCHEDULE

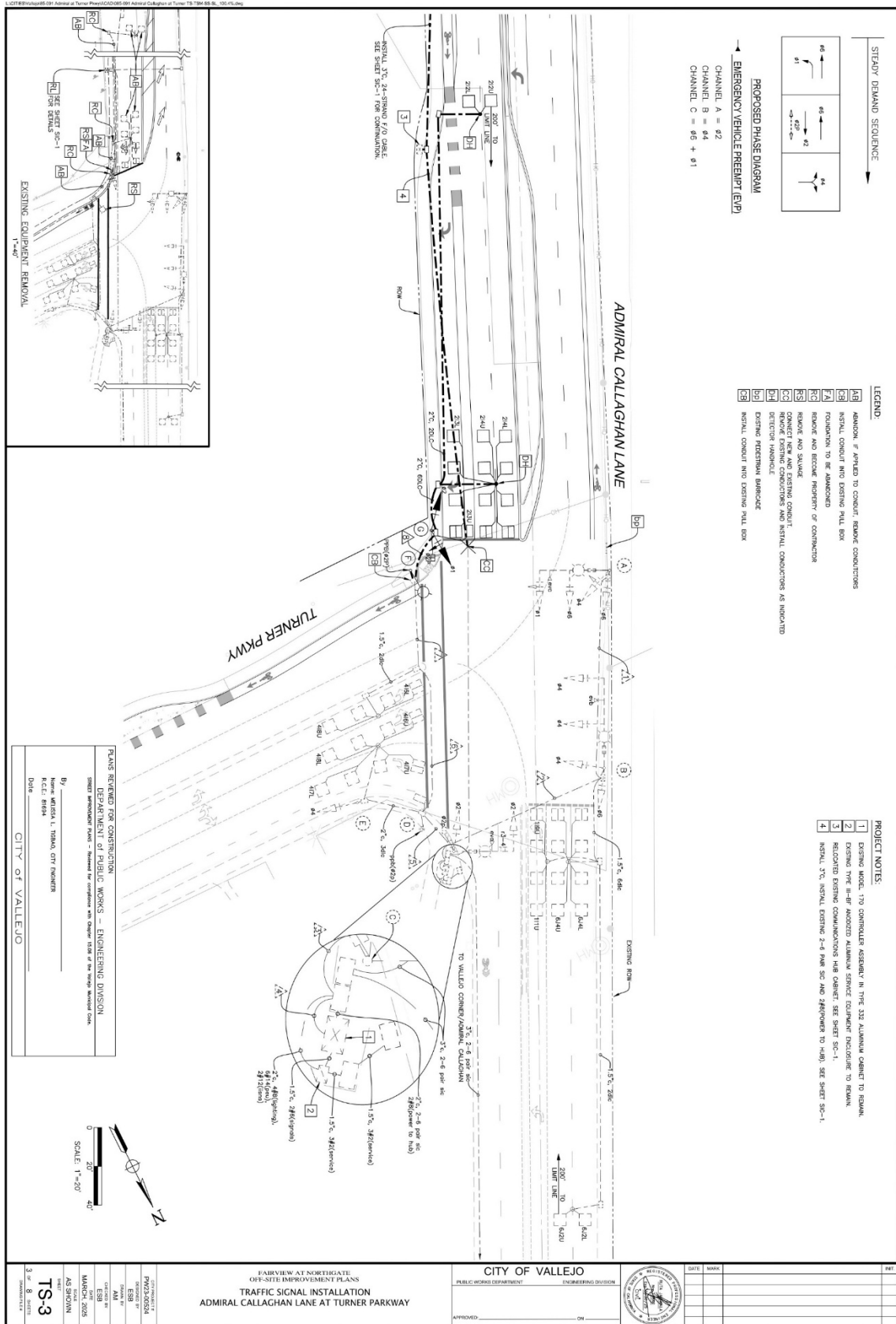
| EQUIPMENT SPECIFICATION |          |           |           |                   |            |         |               |                      |           |                                                                                                                                                                                                      |
|-------------------------|----------|-----------|-----------|-------------------|------------|---------|---------------|----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No.                     | STANDARD |           |           | VEH SIG. MTO      | RED SIGNAL | AFS P/B | LED LUMINAIRE | SPECIAL REQUIREMENTS |           |                                                                                                                                                                                                      |
|                         | Type     | Sig. M.A. | Lum. M.A. |                   |            |         |               | Magn. Arm            | Pole      | # MTO                                                                                                                                                                                                |
| (A)                     | 29-5-100 | 35'       | 15'       | MAS<br>MAS<br>MAS | SV-2-TB    | -       | -             | -                    | 87W       | FURNISH AND INSTALL LED "Main Driveway" R3-3 SIGN AND EWP CHANNEL, "C" ON S/A. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LWA.                                                                    |
| (B)                     | 19-4-100 | 30'       | 15'       | MAS               | SV-2-TB    | -       | -             | -                    | 87W       | FURNISH AND INSTALL LED "Main Driveway" R3-3 SIGN AND EWP CHANNEL, "B" ON S/A. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LWA. LUMINAIRE MUST HAVE SHALL BE INSTALLED PERPENDICULAR TO THE STREET |
| (C)                     | 29-5-100 | 30'       | 15'       | MAS               | SV-1-T     | 2       | SP-1-T        | 2                    | RIGHT 87W | FURNISH AND INSTALL LED "Main Driveway" R3-3 SIGN AND EWP CHANNEL, "A". FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LWA.                                                                           |
| (D)                     | 1-A      | -         | -         | -                 | TV-1-T     | -       | -             | -                    | -         |                                                                                                                                                                                                      |
| (E)                     | 15TS     | -         | 15'       | -                 | -          | -       | -             | -                    | 87W       |                                                                                                                                                                                                      |
| (F)                     | 1-A      | -         | -         | -                 | TV-2-T     | 2       | SP-1-T        | 2                    | LEFT -    |                                                                                                                                                                                                      |

ALL EQUIPMENT ARE NEW UNLESS NOTED OTHERWISE NOTED



1. EXTERIOR, 1/8" ALUMINUM, AND INTERIOR 1/4" GA. COLO. ROLLED STEEL
2. INTERIOR FINISH TO BE MATCHED TO EXISTING INTERIOR FINISH
3. CONSTRUCTION MATERIALS TO BE STAINLESS STEEL
4. ALL NUTS, BOLTS AND SCREWS WILL BE STAINLESS STEEL
5. NUTS, BOLTS AND SCREWS WILL NOT BE VISIBLE FROM OUTSIDE OF ENCLOSURE
6. CONTROL MOUNTS WILL BE MOUNTED AT BOTH ENDS OF REMOVAL WIRE HARNESS
7. A PLASTIC COVERED WHEELED DISPLAY WILL BE ATTACHED TO THE INSIDE OF ENCLOSURE
8. ENCLOSURE WILL BE FACTORY WIRED AND CONTROL TO REQUIRED NEWA AND ILL. 505A STANDARDS
9. ANNOTZ AFTER FABRICATION

BEFORE EXCAVATING  
CALL U.S.A.  
UNDERGROUND SERVICE ALERT  
800-227-2600  
TWO WORKING DAYS BEFORE ALL  
PLANNED WORK OPERATIONS





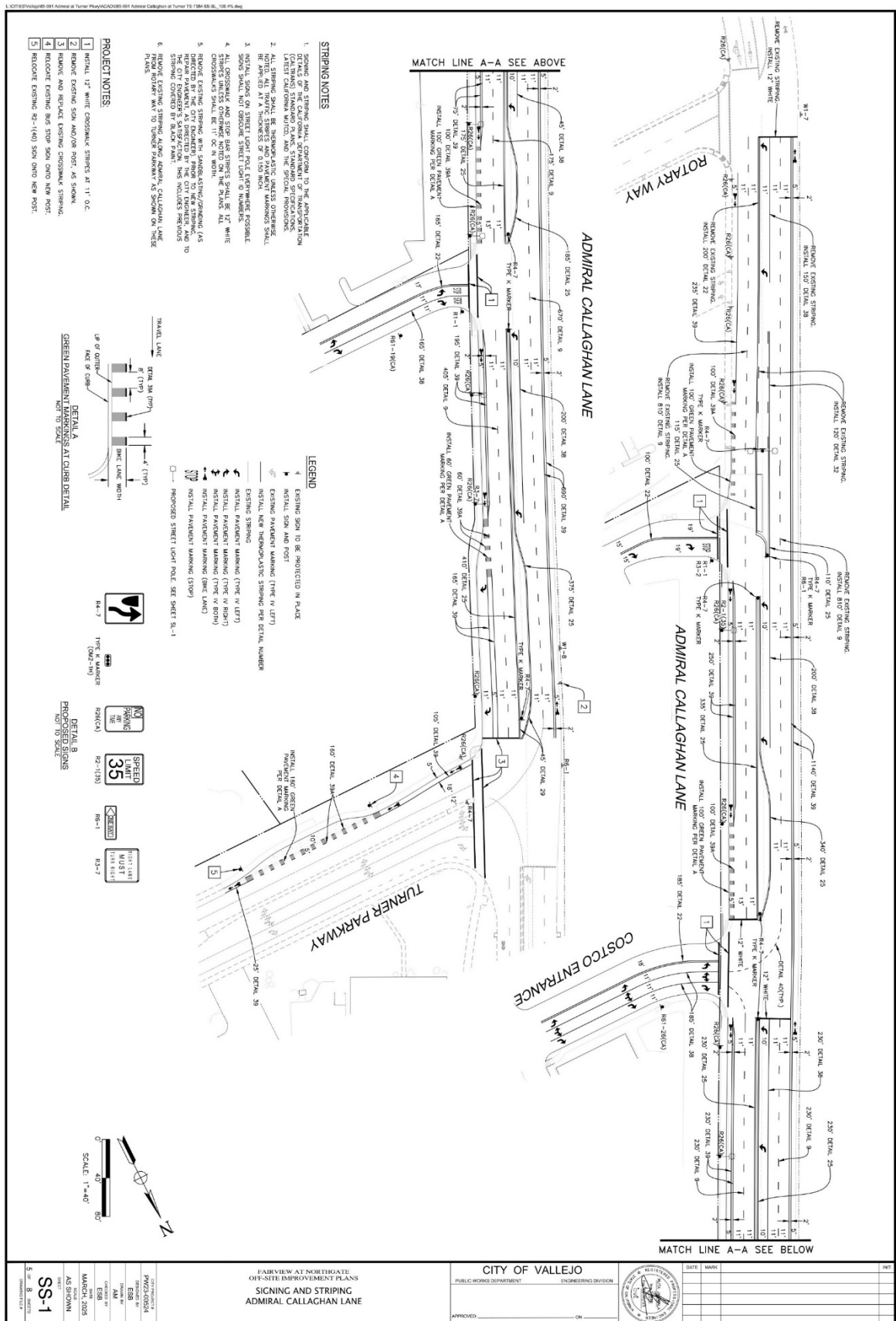
BEFORE EXCAVATING  
CALL U.S.A.  
UNDERGROUND SERVICE ALERT  
800-227-2800  
TWO WORKING DAYS BEFORE, ALL  
PLANNED WORK OPERATIONS

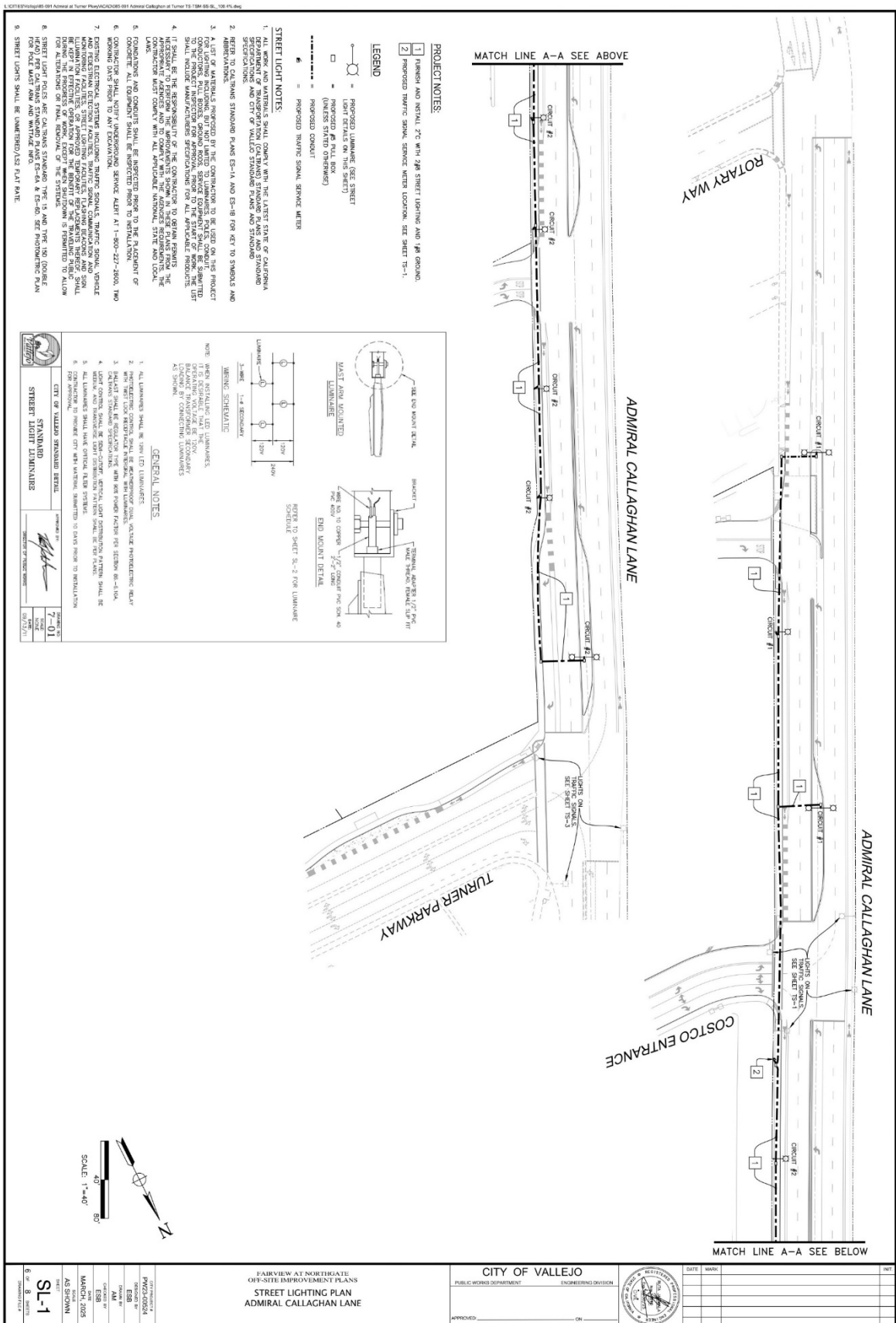
ALL CONDUCTORS/CABLES ARE EXISTING UNLESS NOTED OTHERWISE NOTED

| CONDUCTOR TABLE |                       |      |     |        |      |      |    |    |    |   |    |    |
|-----------------|-----------------------|------|-----|--------|------|------|----|----|----|---|----|----|
| AWG             | CIRCUIT               | RUNS |     |        |      |      |    |    |    |   |    |    |
|                 |                       | 1    | 2   | 3      | 4    | 5    | 6  | 7  | 8  | 9 | 10 | 11 |
|                 | #1                    | 3    | 3   | 6      | 6    | 3    | 3  | 3  | 3  |   |    |    |
|                 | #2                    |      |     |        |      |      |    |    |    |   |    |    |
|                 | #4                    | 3    | 3   | 6      | 6    | 3    | 3  | 3  | 3  |   |    |    |
|                 | #6                    | 3    | 3   | 3      | 3    |      |    |    |    |   |    |    |
|                 | #20                   |      |     | 2      | 2    | 2    | 2  | 2  | 2  |   |    |    |
| NO.             | PPB (#20)             |      |     | 2      | 2    | 2    | 2  | 2  | 2  |   |    |    |
|                 | PPB COMMON            |      |     | 1      | 1    | 1    | 1  | 1  | 1  |   |    |    |
|                 | PEU                   |      |     | 3      |      |      |    |    |    |   |    |    |
|                 | SPARES                | 3    | 3   | 6      | 6    | 3    | 3  | 3  | 3  |   |    |    |
|                 | TOTAL No. 14          | 9    | 12  | 32     | 29   | 17   | 14 | 14 | 11 |   |    |    |
| NO.             | ISSNS                 | 2    | 2   | 4      |      | 2    | 2  | 2  | 2  |   |    |    |
|                 | TOTAL No. 8           | 2    | 2   | 4      |      | 2    | 2  | 2  | 2  |   |    |    |
|                 | SIGNAL COMMON         | 1    | 1   | 2      | 2    | 1    | 1  | 1  | 1  |   |    |    |
|                 | LUMINAIRE             | 2    | 2   | 4      |      | 2    | 2  | 2  | 2  |   |    |    |
|                 | TOTAL No. 8           | 3    | 3   | 6      | 2    | 3    | 3  | 3  | 1  |   |    |    |
| OPTICOM CABLE   | EVA                   |      |     | 1      | 1    |      |    |    |    |   |    |    |
|                 | EWG                   |      |     | 1      | 1    | 1    |    |    |    |   |    |    |
|                 | EWG                   | 1    | 1   | 1      | 1    |      |    |    |    |   |    |    |
|                 | TOTAL CABLES          | 1    | 2   | 3      | 3    |      |    |    |    |   |    |    |
|                 | VIDEO POWER           | 1    | 2   | 3      | 3    |      |    |    |    |   |    |    |
| VIDEO DETECTION | CONDUIT SIZE (INCHES) | 2"   | 3"  | 2-3/8" | 3/4" | 3/8" | 3" | 3" | 4" |   |    |    |
|                 | PERCENT CONDUIT FILL  | 17%  | 11% | 8%     | 7%   | 6%   | 7% | 5% | 2% |   |    |    |

| EQUIPMENT SCHEDULE |          |           |          |             |            |            |            |         |          |
|--------------------|----------|-----------|----------|-------------|------------|------------|------------|---------|----------|
| No.                | STANDARD |           |          | VEH SIG MTC |            | PED SIGNAL |            | AFS PPB |          |
|                    | Type     | Sup. M.A. | Lum M.A. | West Arm    | Pole       | #          | MTG        | #       | ARROW    |
| (A)                | 24-4-70  | 35'       | 12'      | MAS         | SV-2-TD    | -          | -          | -       | -        |
| (B)                | 26-4-70  | 45'       | 12'      | MAS         | SV-2-TA    | -          | -          | -       | -        |
| (C)                | 19-4-70  | 30'       | 12'      | MAS         | SV-1-T     | 2          | SP-1-T     | -       | -        |
| (D)                | PPB POST | -         | -        | -           | -          | -          | -          | 2       | RIGHT    |
| (E)                | 1-A      | -         | -        | -           | TV-1-T     | -          | -          | -       | -        |
| (F)                | 151S (N) | -         | 15' (N)  | -           | -          | -          | -          | 2       | LEFT (N) |
| (G)                | 1-A (N)  | -         | -        | -           | TV-2-T (N) | 2          | SP-1-T (N) | -       | -        |

ALL EQUIPMENT IS EXISTING UNLESS NOTED OTHERWISE NOTED  
(N) = NEW

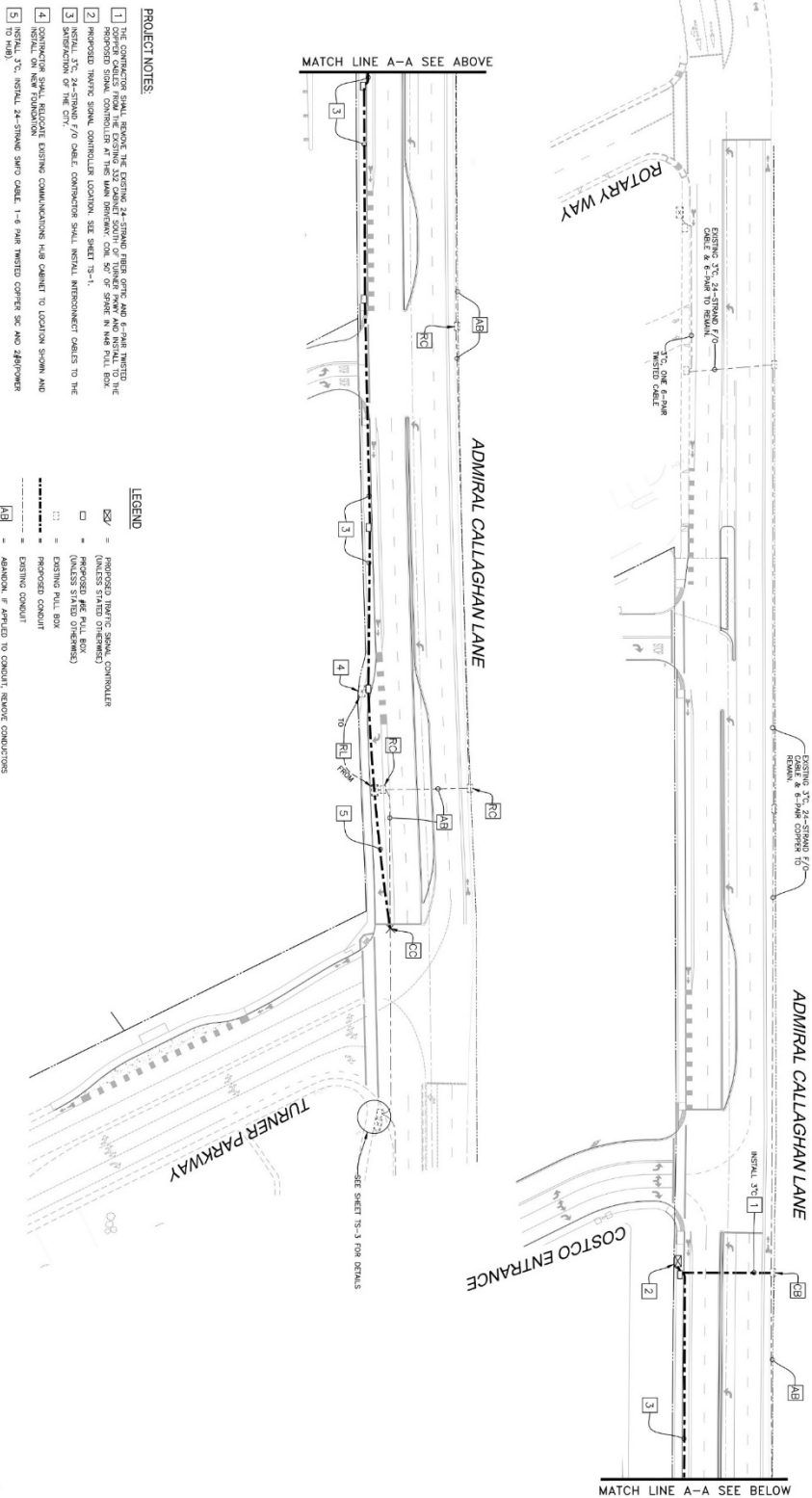




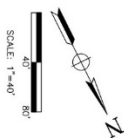


A diagram showing a magnetic field line with an arrow pointing towards a North pole, labeled 'N'.

[illegible]



| LEGEND |                                                                      |
|--------|----------------------------------------------------------------------|
| 2x     | = INTERLOCK TRAFFIC SIGNAL CONTROLLER (INTEGRATED TRAFFIC SIGNALING) |
| □      | = (INTEGRATED TRAFFIC SIGNALING)                                     |
| ...    | = EXISTING PULL BOX                                                  |
| ...    | = PROPOSED CONDUIT                                                   |
| AD     | = EXISTING CONDUIT                                                   |
| BC     | = ABANDON IF APPLIED TO CONDUIT, REMOVE CONDUITORS                   |
| BC     | = CONDUIT ON WAYPOINT TO BE REMOVED                                  |
| CC     | = EXISTING AND PROPOSED CONDUIT                                      |
| RL     | = REMOVE EXISTING CONDUITORS AND INSTALL CONDUITORS AS INDICATED     |
| RL     | = REMOVE ITT CONDUIT                                                 |
| CR     | = INSTALL CONDUIT AND EXISTING PULL BOX                              |





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Jason Ackley, Assistant to the City Manager  
**SUBJECT:** **ADOPT A RESOLUTION AUTHORIZING UP-TO \$50,000 FOR EMERGENCY ANIMAL CONTROL VETERINARY COSTS**

---

### **RECOMMENDATION**

Adopt a resolution authorizing a not-to-exceed amount of \$50,000 for emergency veterinary services paid to Solano County.

### **REASONS FOR RECOMMENDATION**

The agreement between the City of Vallejo and Solano County for animal control services stipulates that Vallejo will reimburse Solano County for emergency medical treatment for animals that costs less than \$400 per instance. As of April 16th, those invoices total nearly \$22,000 in emergency medical veterinary charges. City staff require Council approved authority to pay those invoices, as they are in addition to the normal contractual amount originally approved by City Council.

### **BACKGROUND AND DISCUSSION**

The City's agreement with the Solano County Sheriff's Office for animal control services, in effect from July 1, 2025, through June 30, 2028, contains the following language regarding emergency veterinary care for Vallejo animals:

*The Sheriff's Animal Control Officers will request approval from Customer for any emergency medical treatment exceeding \$400.00, Customer expressly approves all cost \$400.00 and below. Customer shall reimburse the Sheriff's Office for all costs associated with the emergency medical visit.*

As of April 16th, 2026, the City has received invoices totaling approximately \$22,000 for emergency veterinary costs for Vallejo animals. The FY2026-2027 City Manager's Office budget has the funds budgeted to pay the invoices but does not have the authority to expend those dollars. Staff are thereby requesting Council authorization to expend up to \$50,000 in total for the 2026-2027 Fiscal Year on these emergency veterinary costs for Vallejo animals.

### **FISCAL IMPACT**

No additional funding is requested in this item - the City Manager's Budget has the funding budgeted for these costs. As authorization was not requested previously, Council approval and authorization is required to expend these funds.

### **ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably

**Subject: ADOPT A RESOLUTION AUTHORIZING UP-TO \$50,000 FOR EMERGENCY ANIMAL  
CONTROL VETERINARY COSTS**

**Page 2**

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foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

**ATTACHMENTS**

|    |                          |
|----|--------------------------|
| 1. | Resolution_50k_animalVet |
|----|--------------------------|

**CONTACT**

Jason Ackley, Assistant to the City Manager (707) 648-4577

[Jason.Ackley@cityofvallejo.net](mailto:Jason.Ackley@cityofvallejo.net)

**RESOLUTION NO. 26-\_\_\_\_\_**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO AUTHORIZING UP TO \$50,000 IN EMERGENCY VETERINARY COSTS PAYABLE TO SOLANO COUNTY**

**WHEREAS**, on July 1, 2025, the City of Vallejo has entered into a Memorandum of Agreement for Solano County Sheriff's Office of Animal Control to provide Animal Control services within the City of Vallejo; and

**WHEREAS**, that agreement states that the City will pay for any emergency medical treatments for Vallejo animals with a cost of up to \$400; and

**WHEREAS**, monies in the Fiscal Year 2025-2026 budget was set aside for these costs within the City Manager's Office budget; and

**WHEREAS**, staff is requesting authorization for the City to expend a not-to-exceed amount of \$50,000 for emergency veterinary costs through Solano County.

**NOW, THEREFORE BE IT RESOLVED** that the City Council does hereby approve the expenditure of a not-to-exceed amount of \$50,000 for emergency medical costs incurred during animal control operations by Solano County Sheriff's Office of Animal Control.

**ADOPTED BY THE CITY COUNCIL OF THE CITY OF VALLEJO** at a regular meeting held on \_\_\_\_\_, 2026, with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN

ATTEST

---

ANDREA SORCE, MAYOR

---

DAWN G. ABRAHAMSON, CITY CLERK





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Nalungo Conley, Acting City Manager  
**SUBJECT:** **ADOPT A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A THREE-YEAR MEMORANDUM OF UNDERSTANDING BETWEEN COMMUNITY ACTION PARTNERSHIP SOLANO, JOINT POWERS AUTHORITY AND SOLANO COUNTY, BENICIA, FAIRFIELD, RIO VISTA, SUISUN CITY, VACAVILLE, AND VALLEJO TO PARTIALLY FUND THE COORDINATED ENTRY SYSTEM ADDRESSING HOMELESSNESS FROM DECEMBER 1, 2025 THROUGH DECEMBER 31, 2028 AND AUTHORIZE CITY MANAGER TO EXECUTE SAME**

---

### **RECOMMENDATION**

Adopt a resolution of the City Council of the City of Vallejo approving a three-year memorandum of understanding between Community Action Partnership Solano, Joint Powers Authority and Solano County, Benicia, Fairfield, Rio Vista, Suisun City, Vacaville and Vallejo to partially fund the Coordinated Entry System addressing homelessness from December 1, 2025 through December 31, 2028.

### **REASONS FOR RECOMMENDATION**

The City Council is being asked to approve the attached Memorandum of Understanding (MOU) by and between the Community Action Partnership of Solano, Joint Powers Authority (CAP Solano JPA), Solano County, and the Cities of Benicia, Fairfield, Rio Vista, Suisun City, Vallejo, and Vacaville to support the coordinated entry system addressing homelessness from December 1, 2025 through December 31, 2028.

### **BACKGROUND AND DISCUSSION**

A Coordinated Entry System (CES) is a community-wide system to standardize and expedite the process by which people experiencing homelessness, or who are at risk of homelessness, access housing and homeless resources. It connects the community's network of homeless services and housing resources while streamlining, standardizing and coordinating the homeless intake, assessment, and referral processes. Through Coordinated Entry, people experiencing homelessness are matched to services and housing based on their level of vulnerability, need, and preferences. Standardizing the intake process across the CoC, sharing information in real-time, and adopting uniform prioritization policies are all at the core of a high-performing CES.

In Solano County, Community Action Partnership Solano, Joint Powers Authority (CAP Solano JPA) is the Administrative Entity for the Continuum of Care (CoC) and as such is required by the Department of Housing and Urban Development (HUD) to operate a Coordinated Entry System (CES). The CES is a process developed to ensure that all people experiencing homelessness have fair and equal access to available housing and are quickly identified, assessed for, referred to, and connected to housing and assistance based on their strengths and needs. The CES operator is selected through a Request for Proposal (RFP) process.

In 2017, HUD established requirements for such a coordinated assessment system for all CoCs and recipients of CoC and Emergency Solutions Grants (ESG) funding. Each CoC, including the local Housing First Solano, had to implement HUD requirements by January 2018 in order to receive continued funding. HUD provides limited funding for the CES, but does not cover the full cost of the mandated services. Since 2019 Benicia,

**Subject: ADOPT A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO  
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AND SOLANO COUNTY, BENICIA, FAIRFIELD, RIO VISTA, SUISUN CITY,  
VACAVILLE, AND VALLEJO TO PARTIALLY FUND THE COORDINATED ENTRY  
SYSTEM ADDRESSING HOMELESSNESS FROM DECEMBER 1, 2025 THROUGH  
DECEMBER 31, 2028 AND AUTHORIZE CITY MANAGER TO EXECUTE SAME**

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Fairfield, Rio Vista, Suisun, Vacaville and Vallejo and the County have agreed to provide funding to supplement federal funding for the annual cost of the agreement with the operator. The most recent funding agreement with the jurisdictions expired on May 31, 2025. This item brings forward a new MOU to continue to fund the CES at the same rate as previously funded.

CAP Solano JPA, as the Community Action Agency for Solano County, the collaborative applicant for Continuum of Care funding, and the Homeless Management Information System Lead Agency, is responsible for ensuring implementation of coordinated entry in Solano County. The coordinated entry operator, Caminar, was selected through a Request for Proposal process in 2017. The Solano Family Justice Center serves as the Coordinated Entry provider for survivors of domestic violence.

The CAP Solano JPA Board consists of one member and one alternate from the County and each seven cities, appointed by their respective Board or Council.

According to the CAP Solano JPA 2024 Annual Report, Resource Connect Solano reported a total of 1022 individuals and households had Coordinated Entry intakes completed during their reporting year. This is nearly double the total of prior year total of 591. Unhoused individuals accessed Resource Connect Solano (RCS) by phone, in person, or by email. RCS received 17,603 phone calls from individuals and families, 1,654 individuals and families came in person to physical access sites in Fairfield and Vallejo, and 1,594 individuals and families emailed looking for help and resources.

There were 137 exits with the following recorded positive outcomes, a 10% increase from the prior year. (Note: not all clients have exit outcomes recorded. Clients may secure housing through a variety of means and may not report back to RCS when they obtain housing.):

- Rental by client, with ongoing subsidy: 78%
- Rental by client, no ongoing subsidy: 19%
- Permanent housing with family/friend: 11%

During the reporting year, RCS referred 475 households to services and housing projects that participate in the Coordinated Entry System.

The County and several cities have reported that they have included funding to continue their support for Coordinated Entry in their FY2025/26 budgets. The proposed payment amount is determined by the population of the Cities with the County making a larger amount than its population and is in accordance with the payment structure of the previous MOU. The City of Dixon is not a participant in this Coordinated Entry MOU and is not included in the cost distribution, although people experiencing homelessness in Dixon are not excluded from receiving services through the coordinated entry system.

**Subject: ADOPT A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO  
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AND SOLANO COUNTY, BENICIA, FAIRFIELD, RIO VISTA, SUISUN CITY,  
VACAVILLE, AND VALLEJO TO PARTIALLY FUND THE COORDINATED ENTRY  
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DECEMBER 31, 2028 AND AUTHORIZE CITY MANAGER TO EXECUTE SAME**

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The JPA staff will ensure that the Coordinated Entry Services Operator:

1. Will be responsible managing for the implementation and on-going administration, development, and continuous improvement of Solano County's Coordinated Entry System in alignment with Housing First Solano's Coordinated Entry System Policies and Procedures.
2. Administers System support to the Coordinated Entry staff as well as the various jurisdictional and non-profit outreach teams.
3. Provides housing readiness services and case management.
4. Has resources made available through this MOU for operations are allocated to items such as: the costs of office space; maintenance; office equipment; Internet access; a system website; marketing; office supplies; transportation costs incurred by the Resource Connect Solano staff; public transportation costs for consumers; and essential training and conference attendance about Coordinated Entry.

### **FISCAL IMPACT**

HUD provides funding through an agreement with the CAP Solano JPA, on behalf of the CoC, that funds approximately \$233,589 annually of the CES operator contract. In addition, the CAP Solano JPA has secured funding from Partnership Health Plan of approximately \$129,500 annually to enhance CES. However, additional funds are still needed to ensure a fully functional CES.

The City of Vallejo's total share consists of \$248,402 to be paid over a three-year term of December 1, 2025-December 31, 2028.

First year Funding Source: Professional Services / Homelessness

The first-year cost of \$80,366 has already been included in the Professional Services / Homelessness fiscal year 2025-2026 approved budget. Staff are proposing that years two and three (\$82,777 and \$85,260 respectively) come from Measure P Funding and will be requested during future year budget processes.

|               | <b>2026</b>      | <b>2027</b>      | <b>2028</b>      | <b>Total</b>       |
|---------------|------------------|------------------|------------------|--------------------|
| Solano County | \$81,966         | \$84,425         | \$86,958         | \$253,350          |
| Benicia       | \$18,816         | \$19,381         | \$19,962         | \$58,158           |
| Fairfield     | \$77,564         | \$79,891         | \$82,288         | \$239,743          |
| Rio Vista     | \$6,127          | \$6,311          | \$6,501          | \$18,939           |
| Suisun City   | \$19,903         | \$20,500         | \$21,115         | \$61,517           |
| Vacaville     | \$66,895         | \$68,902         | \$70,969         | \$206,767          |
| Vallejo       | \$80,366         | \$82,777         | \$85,260         | \$248,402          |
| <b>Total</b>  | <b>\$351,638</b> | <b>\$362,187</b> | <b>\$373,053</b> | <b>\$1,086,878</b> |

### **ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project

**Subject: ADOPT A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO  
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COMMUNITY ACTION PARTNERSHIP SOLANO, JOINT POWERS AUTHORITY  
AND SOLANO COUNTY, BENICIA, FAIRFIELD, RIO VISTA, SUISUN CITY,  
VACAVILLE, AND VALLEJO TO PARTIALLY FUND THE COORDINATED ENTRY  
SYSTEM ADDRESSING HOMELESSNESS FROM DECEMBER 1, 2025 THROUGH  
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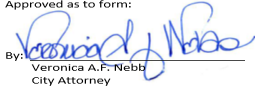
which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

**ATTACHMENTS**

|    |                                              |
|----|----------------------------------------------|
| 1. | Coordinated Entry MOU Resolution CAO Stamp   |
| 2. | DRAFT REVISED CITIES/COUNTY COORD Entry MOU  |
| 3. | Memo to Vallejo re Cities and County CES MOU |

**CONTACT**

Natalie Peterson, Assistant to the City Manager  
[Natalie.Peterson@cityofvallejo.net](mailto:Natalie.Peterson@cityofvallejo.net)

By:   
Veronica A. F. Nebb  
City Attorney

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A THREE-YEAR MEMORANDUM OF UNDERSTANDING BETWEEN COMMUNITY ACTION PARTNERSHIP SOLANO, JOINT POWERS AUTHORITY AND SOLANO COUNTY, BENICIA, FAIRFIELD, RIO VISTA, SUISUN CITY, VACAVILLE, AND VALLEJO TO PARTIALLY FUND THE COORDINATED ENTRY SYSTEM ADDRESSING HOMELESSNESS FROM DECEMBER 1, 2025 THROUGH DECEMBER 31, 2028**

**WHEREAS**, a Coordinated Entry System (CES) is a community-wide system to standardize and expedite the process by which people experiencing homelessness, or who are at risk of homelessness, access housing and homeless resources; and

**WHEREAS**, in Solano County, the Community Action Partnership Solano, Joint Powers Authority is the Administrative Entity for the Continuum of Care and as such is required by the Department of Housing and Urban Development to operate a CES; and

**WHEREAS**, HUD provides limited funding for the CES, but does not cover the full cost of the mandated service; and

**WHEREAS**, in 2019 the Cities of Benicia, Fairfield, Rio Vista, Suisun, Vacaville and Vallejo and Solano County agreed to provide funding to supplement federal funding for the annual cost of the agreement with the CES operator; and

**WHEREAS**, the most recent funding agreement with the jurisdictions expired on May 31, 2025; and

**WHEREAS**, the City desires to continue to support the Coordinated Entry System;

**WHEREAS**, the revised MOU (Exhibit A) has been reviewed by staff and a clarifying memorandum dated March 30, 2026 has been provided by CAP Solano JPA staff to address questions raised by Vallejo staff (Exhibit B)

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Vallejo hereby approves the Memorandum of Understanding between Community Action Partnership, Joint Powers Authority and Solano County, Benicia, Fairfield, Rio Vista, Suisun City, Vacaville, and Vallejo as set forth in Exhibit A and clarified in Exhibit B, attached hereto.

**BE IT FURTHER RESOLVED** the City Manager or their designee is authorized to execute and implement the Memorandum of Understanding.

Adopted by the Council of the City of Vallejo on May 12, 2026 with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

\_\_\_\_\_  
ANDREA SOURCE, MAYOR

ATTEST:

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DAWN G. ABRAHAMSON, CITY CLERK



COMMUNITY ACTION PARTNERSHIP  
SOLANO  
JOINT POWERS AUTHORITY  
675 Texas Street Fairfield, CA 94533 – [www.capsolanojpa.org](http://www.capsolanojpa.org)

A MEMORANDUM OF UNDERSTANDING BETWEEN  
THE COMMUNITY ACTION PARTNERSHIP SOLANO,  
JOINT POWERS AUTHORITY; SOLANO COUNTY; AND  
THE CITIES OF BENICIA, FAIRFIELD, RIO VISTA,  
SUISUN CITY, VACAVILLE, AND VALLEJO  
REGARDING THE HOUSING FIRST SOLANO  
CONTINUUM OF CARE COORDINATED ENTRY  
SYSTEM

This Memorandum of Understanding, hereinafter referred to as “MOU,” is made effective December 1, 2025 by and between the Community Action Partnership Solano, Joint Powers Authority, hereinafter referred to as the “JPA”; Solano County, hereinafter referred to as the “County”; and the Cities of Benicia, Fairfield, Rio Vista, Suisun City, Vacaville, and Vallejo, hereinafter referred to as the “Cities”; individually, a “Party”; and collectively, the “Parties.”

RECITALS

WHEREAS, the JPA is charged with providing oversight and coordination of homeless and safety net services to the residents of the County and Cities; serving as the conduit for safety net funding support; administering such funds and making grants available to other non-profit entities that provide services to people experiencing homelessness; and undertaking such other programs as its Board of Directors may authorize, including such duties and tasks required to receive and distribute federal, state, local, and other funding to support the JPA’s mission; and

WHEREAS, the Continuum of Care that coordinates the provision of housing and supportive services addressing homelessness in the County and Cities is known as the Housing First Solano Continuum of Care, hereinafter referred to as the “CoC”; and

WHEREAS, in March 2017, the JPA released “Neighbors Helping Neighbors: Forward Together,” a regional strategic plan to respond to homelessness in Solano County as amended from time to time, hereinafter referred to as the “Regional Strategic Plan.”; and

WHEREAS, Coordinated Entry provides a standardized approach to comprehensively assess the housing and service needs of homeless individuals and families and refer them to appropriate available resources that are needed to end their homelessness; and

WHEREAS, the U.S. Department of Housing and Urban Development (HUD) requires recipients of Continuum of Care and Emergency Solutions Grants (ESG) Program



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funding to use a coordinated assessment system, under the authority of the Continuum of Care Program Interim Rule, 24 CFR § 578; the Emergency Solution Grant Program Interim Rule, 24 CFR § 576; and HUD Notice CPD-17-01; and

WHEREAS, the State of California Department of Housing and Community Development requires recipients of Homeless Housing, Assistance and Prevention Program funding to use a coordinated entry system under the authority of Welfare and Institutions Code 8256(iii)(IV); and

WHEREAS, Coordinated Entry connects the community's network of homeless services and housing resources while streamlining, standardizing, and coordinating the current homeless intake, assessment, and referral process; and

WHEREAS, homeless individuals and families, especially highly vulnerable individuals and families who are homeless, are Coordinated Entry's principal users; and

WHEREAS, the Parties have agreed that an effective Coordinated Entry process is a critical component to improving system navigation as recommended by the Regional Strategic Plan; and

WHEREAS, the Coordinated Entry System is governed by Housing First Solano's Coordinated Entry System Policies and Procedures; and

WHEREAS, the JPA operates Coordinated Entry through a subrecipient Coordinated Entry System Operator pursuant to a separate Subrecipient Agreement, hereinafter known as the "Subrecipient Agreement"; and

WHEREAS, the Parties recognize that additional resources are needed to enable Coordinated Entry to operate an effective and efficient system to address homelessness and implement best practice solutions to leverage the existing housing stock to increase housing opportunities.





COMMUNITY ACTION PARTNERSHIP  
SOLANO  
JOINT POWERS AUTHORITY  
675 Texas Street Fairfield, CA 94533 – www.capsolanojpa.org

NOW, THEREFORE, the Parties agree as follows:

**I.** The County and Cities agree to provide funds to the JPA over the course of three years from the effective date for Coordinated Entry services provided throughout Solano County as set forth in Exhibit B (Budget).

1. The County and Cities shall transmit annual payments to the JPA for the deliverables specified in Exhibits A and B.
2. This Memorandum of Understanding may be amended upon written agreement signed by all the Parties.

**II.** Program performance of the JPA

The JPA shall use funding received pursuant to this MOU to deliver the services described in Exhibit A (Scope of Work) to homeless individuals and families from the County and Cities pursuant to the terms of this MOU.

**III.** Fiscal responsibilities of the JPA

The JPA agrees to:

1. Monitor the activities listed in Exhibits A (Scope of Work), B (Budget), and C (Performance Objectives), and the terms of this MOU.
2. Adhere to its written JPA Continuum of Care Policies and Procedures for financial management.
3. Be liable for repayment of costs incurred for activities not consistent with Exhibits A-C. The JPA shall be afforded the opportunity to respond to any adverse findings regarding such costs before being held subject to repayment.

**IV.** Records, reports, and audits of the JPA

1. Governance.

- a. The JPA shall have available and provide to County and/or Cities upon request:
  - i. A copy of current JPA Bylaws.
  - ii. The current roster of the JPA membership.
  - iii. A copy of the adopted JPA Continuum of Care Policies and Procedures Manual, inclusive of its Conflicts of Interest Policy and



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its Financial Management policies and procedures.

- b. The JPA shall notify the Parties if it makes any changes to its interpretation of its compliance obligations under the Ralph M. Brown Act, as specified in the JPA Bylaws, on an annual basis.
2. Establishment and maintenance of records. The JPA shall maintain records sufficient to reflect properly all matters covered by the enclosed Exhibits A-C.
3. Preservation of records. The JPA shall preserve and make available its records in accordance with its Bylaws.
4. Examination of records and/or facilities. At any time during normal business hours, and as often as may be deemed necessary, the JPA agrees that the County and/or any City, and/or any duly authorized representatives for those Parties, shall, for a period of five years following the expiration of this MOU, have access to and the right to examine its offices and facilities engaged in performance of this MOU, and audit records and data with respect to matters covered by this MOU; excepting those falling within the attorney-client and attorney-work-product privileges. The County and/or Cities shall provide the JPA with reasonable notice of any such examination.
5. County and City monitoring reviews. The County and/or Cities may conduct monitoring reviews. Such reviews may cover program compliance, as well as fiscal matters. The County and/or Cities shall provide the JPA with reasonable notice that a review will be conducted. The JPA will be afforded a reasonable period of time to respond to any monitoring findings. Cost of such reviews will be borne by the Party(ies) requesting the review. The County and/or Cities may withhold payment and/or terminate this MOU if the JPA fails to respond to or correct finding(s) within a reasonable period of time.
6. Performance reports. Throughout the MOU term, the JPA shall share performance reports prepared pursuant to the oversight of Subrecipient by the JPA.

V. Coordination of program

1. JPA. The Executive Director of the JPA, or his/her designee, shall have overall responsibility for the progress and execution of this MOU.
2. The County. The County Administrator, or his/her designee, shall serve as the point of contact for the County with respect to this MOU.



COMMUNITY ACTION PARTNERSHIP  
SOLANO  
JOINT POWERS AUTHORITY

675 Texas Street Fairfield, CA 94533 – [www.capsolanojpa.org](http://www.capsolanojpa.org)

3. The Cities. The City Managers, or their designees, shall serve as the point of contact with respect to this MOU.
4. Notices. All notices or other correspondence required or contemplated by this MOU shall be sent to the Parties at the following addresses:

|                         |                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------|
| JPA:                    | CAP Solano JPA<br>Attn: DeShawn Waters, Executive Director<br>675 Texas Street<br>Fairfield, CA 94533        |
| County:                 | Ian Goldberg<br>County Administrator<br>Solano County<br>675 Texas Street, Suite 6500<br>Fairfield, CA 94533 |
| City of Benicia:        | Mario Giuliani<br>City Manager<br>City of Benicia<br>250 East L Street<br>Benicia, CA 94510                  |
| City of Fairfield:      | David Gassaway<br>City Manager<br>City of Fairfield<br>1000 Webster Street<br>Fairfield, CA 94533            |
| City of Rio Vista:      | Kristina Miller<br>City Manager<br>City of Rio Vista<br>One Main Street<br>Rio Vista, CA 94571               |
| City of Suisun<br>City: | Bret Prebula<br>City Manager<br>City of Suisun City<br>701 Civic Center Boulevard<br>Suisun City, CA 94585   |
| City of Vacaville:      | Savita Chaudhary<br>City Manager<br>City of Vacaville<br>650 Merchant Street<br>Vacaville, CA 95688          |



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JOINT POWERS AUTHORITY  
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City of Vallejo: Andrew Murray  
City Manager  
City of Vallejo  
555 Santa Clara Street  
Vallejo CA 94590

**VI. Compliance with law**

The JPA shall become familiar and comply with and cause all its employees and contractors, if any, to become familiar and comply with all applicable Federal, State, and local laws, ordinances, codes, regulations, and decrees. Failure of the JPA to, in any manner, observe and adhere to laws as described herein or as amended, shall in no way relieve the JPA of its responsibility to adhere to same, and the JPA herein acknowledges this responsibility.

**VII. Indemnification/insurance**

The JPA shall indemnify, defend (with independent counsel jointly approved by the County and Cities), and hold harmless the County and Cities and their officers, officials, directors, employees, agents, volunteers, and affiliates from any and all claims, demands, causes of actions, damages, costs, expenses, actual attorney's fees, consultant's fees, expert fees, losses or liability, in law or in equity, of every kind and nature whatsoever arising out of or in connection with the JPA's operations, or any subcontractor's operations, to be performed pursuant to this MOU or the current Subrecipient Agreement between the JPA and its Coordinated Entry System Operator, for the fullest extent permitted by law, with the exception of the sole active negligence or willful misconduct of the County and/or any of the Cities.

Per its Subrecipient Agreement with the JPA, the Coordinated Entry System Operator shall procure and maintain for the duration of its Subrecipient Agreement with the JPA insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work under its Subrecipient Agreement and the results of that work by the Coordinated Entry System Operator, its agents, representatives, employees, or subcontractors. The County and Cities and their officers, officials, employees, agents and volunteers are to be covered by the Coordinated Entry System Operator as additional insureds against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work under its Subrecipient Agreement and the results of that work



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by the Coordinated Entry System Operator, its agents, representatives, employees, or subcontractors.

The provisions of this Section shall survive the expiration or termination of this MOU and are not limited by any provisions relating to insurance in the current Subrecipient Agreement between the JPA and its Coordinated Entry System Operator.

The JPA agrees to enforce all the insurance requirements set forth in the Terms and Conditions exhibit to the current Subrecipient Agreement between the JPA and its Coordinated Entry System Operator.

**VIII. Noncompliance with Scope of Work, Budget, and Performance Objectives**

1. The JPA shall be afforded the opportunity to respond to any information that suggests a failure or deficiency by the JPA to comply with any provision of this MOU. Examples of noncompliance include:
  - a. If the JPA (with or without knowledge) makes any material misrepresentation of any nature with respect to any information or data furnished to the Parties in connection with this MOU.
  - b. If there is pending litigation with respect to the performance by the JPA of any of its duties or obligations under this MOU which may materially jeopardize or adversely affect the undertaking of or the carrying out of its program.
  - c. If the JPA is in default under the provisions of this MOU.
  - d. If the JPA makes improper use of funds.
  - e. If the JPA fails to comply with any of the terms and conditions of this MOU in such a manner as to constitute a material breach thereof.
  - f. The JPA refuses to accept any additional conditions that may be imposed by the County and/or any City as a result of changes required by law or by the Federal government.
  - g. If the JPA fails to accomplish the scope of services listed in Exhibits A-C and pursuant to the terms of this MOU in a timely manner.



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2. Should the JPA be unable to resolve concerns by a Party about a perceived failure to comply with Exhibits A-C under this MOU within a reasonable period of time, that Party shall have the right to withdraw from this MOU, receive reimbursement for services not yet rendered, and/or require corrective action to enforce compliance with such provision.

**IX. Suspension or Termination**

1. Suspension or termination for cause. This MOU may be suspended or terminated at any time before the date of completion by the JPA or pursuant to a unanimous agreement among the County and Cities if:
  - a. Any party fails to comply with the conditions of this MOU as described above; or
  - b. The Housing First Solano CoC chooses an entity other than the JPA to operate the Coordinated Entry System; or
  - c. The JPA is not able to secure the resources to perform one or more of the duties described in Exhibit A: Scope of Work; or
  - d. The JPA no longer has adequate resources to operate the Coordinated Entry System; and
  - e. The offending Party or Parties is/are afforded a reasonable opportunity to respond to any such concerns, and the offending Party or Parties fail(s) to resolve any such concerns.
2. Upon suspension or termination, the JPA shall:
  - a. Not incur new obligations and shall cancel as many outstanding obligations as possible.
  - b. Be paid only for services rendered to the County and each City to the date of such suspension or termination; provided, however, if the MOU is suspended or terminated for fault of the JPA, the County and each City shall be obligated to compensate the JPA only for that portion of the JPA's services which were of benefit to the County and each City.



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**X. Rights and remedies not waived**

In no event shall payment by the County or any City or acceptance of payment by the JPA hereunder constitute or be construed to be a waiver by any Party of any breach of covenants or conditions of this MOU or any default which may then exist on the part of any Party, and the making of any such payment while any such breach or default shall exist, shall in noway impair or prejudice any right or remedy available to any Party with respect to such breach or default.

**XI. Integrated document**

No verbal agreements or conversations with any officer, agent or employee of the County and/or Cities prior to execution of this MOU shall affect or modify any of the terms or obligations contained in any documents comprising this MOU. Any such verbal agreement shall be considered as unofficial information and in no way binding upon the Parties.

**XII. Severability**

In case any one or more of the provisions contained herein shall, for any reason, be held invalid, illegal, or unenforceable in any respect, it shall not affect the validity of the other provisions which shall remain in full force and effect.

**XIII. Term of MOU**

The Term of this MOU is for three years from December 1, 2025 – December 31, 2028.



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IN WITNESS WHEREOF, the parties hereto, acting by and through their duly authorized representatives, have executed this MOU in duplicate on the day and year set below each of the parties.

For the JPA:

For Solano County, a municipal  
corporation:

SIGNATURE

SIGNATURE

PRINTED NAME

PRINTED NAME

TITLE

TITLE

DATE

DATE

For the City of Vacaville, a municipal  
corporation:

For the City of Rio Vista, a municipal  
corporation:

SIGNATURE

SIGNATURE

PRINTED NAME

PRINTED NAME

TITLE

TITLE

DATE

DATE





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For the City of Fairfield, a municipal  
corporation:

SIGNATURE

PRINTED NAME

TITLE

DATE

For the City of Suisun, a municipal  
corporation:

SIGNATURE

PRINTED NAME

TITLE

DATE

For the City of Vallejo, a municipal  
corporation:

SIGNATURE

PRINTED NAME

TITLE

DATE

For the City of Benicia, a municipal  
corporation:

SIGNATURE

PRINTED NAME

TITLE

DATE



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**EXHIBIT A: SCOPE OF WORK**

JPA shall be responsible for the following activities:

- Identifying and selecting the Coordinated Entry Services Operator.
- Securing the necessary resources to support scope the work.
- Providing technical assistance and oversight of the Coordinated Entry Services Operator.
- Providing annual reports to the County and Cities on progress in achieving the milestones.
- Ensuring that resources provided by the County and Cities will be used for the following activities:

**I. Resource Connect Solano Coordinated Entry System Management**

The JPA will ensure that the Coordinated Entry Services Operator will be responsible managing for the implementation and on-going administration, development, and continuous improvement of Solano County's Coordinated Entry System in alignment with Housing First Solano's Coordinated Entry System Policies and Procedures. Management includes:

1. Conducting Coordinated Entry System analysis, evaluation, monitoring, and review;
2. Maintaining Coordinated Entry System documentation, which includes system performance documents, reporting data, and federal forms;
3. Developing new access and outreach/in-reach points throughout the County to ensure full and equal access;
4. Increasing the number of providers using Housing First Solano's Homeless Management Information System (HMIS) and participating in Resource Connect Solano;
5. Creating tools and resources necessary to manage Resource Connect Solano Entry Points;
6. Ensuring consistent usage of and calibration of the assessment tool throughout the Coordinated Entry System;
7. Ensuring that the adopted prioritization criteria are used so that the most vulnerable individuals and families are prioritized for assistance and matched with the appropriate services for them ensuring the most efficient and cost-effective usage of resources;
8. Ensuring that beds and/or units funded by County or City programs that have specific client criteria are reserved for eligible program clients and input of program staff is sought before placement;



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9. Managing the priority lists;
10. Ensuring timely linkage of persons to available housing and services;
11. Providing guidance, training, capacity building support, communication updates, and other project support as needed to Housing First Solano, the County, and the Cities;
12. Ensuring all participating provider agencies have information as necessary to operate and participate in Resource Connect Solano successfully;
13. Providing monthly or quarterly reports to the JPA as requested;
14. Preparing annual assessments of the Coordinated Entry System;
15. Establishing a more robust marketing plan to bring awareness to residents across the county, including those precariously housed and those least likely to receive assistance in the absence of such marketing;
16. Creating and disseminating outreach materials about Resource Connect Solano;
17. Reviewing and analyzing HMIS data, including reports on system- wide performance (e.g., clients receiving diversion assistance, vacancy reporting, completion of assessments); and
18. Maintaining the integrity of consumer data and ensuring up-to-date security protocols for the system.

## **II. Coordinated Entry System Administration**

The JPA will ensure the Coordinated Entry Service Operator Administers System support to the Resource Connect Solano staff as well as the various jurisdictional and non-profit outreach teams. Support services include:

1. Answering and responding to all Coordinated Entry System referral calls;
2. Performing a pre-screen diversion assessment over the phone and full Vulnerability assessment, where appropriate;
3. Referring callers to the most pertinent services, including prevention services for callers at-risk of homelessness;
4. Connecting clients to case management;
5. Scheduling appointments with clients for the Coordinated Entry Specialists;



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6. Providing training and technical assistance to local outreach teams to support their data entry in HMIS.

### **III. Other Coordinated Entry System Services**

The Coordinated Entry Services Operator may offer other services such as Housing Location Services to support the staff as well as the various jurisdictional and non-profit outreach teams to identify housing opportunities for individuals experiencing homelessness. Services will be outlined in the subrecipient agreement may include:

1. Developing and managing a comprehensive outreach/ working relationship with community stakeholders, especially landlords;
2. Engaging a landlord recruitment and retention plan. Recruiting landlord, management firm, and leaseholder participation and/or growth of participation in Continuum of Care and Resource Connect Solano housing programs, which may include Permanent Supportive Housing, Rapid Rehousing, Section 8, TBRA, HUD/VASH, and other subsidy programs;
3. Meeting with owners, landlords and property managers to discuss partnering with Resource Connect Solano, including rental assistance, placement programs, and support services;
4. Negotiating with landlords experiencing conflicts with formerly homeless tenants to find solutions to experienced problems, including outside mediation services for more serious conflicts to help avoid eviction;
5. Building long-lasting relationships with property managers, landlords, owners, and firms to expand the scope of their participation in programs that house those experiencing homelessness;
6. Performing initial site visits at all prospective sites to ensure they meet guidelines for habitability standards;
7. Maintaining a database of landlords, management firms, and leaseholders working with those experiencing homelessness;
8. Sending out notices to Resource Connect Solano staff of any new housing availability;
9. Tracking all placements with landlords in HMIS;
10. Maintaining awareness of changes in market and community processes that can impact services; bring forward prospective recommendations to deal with expected changes.
11. Increase focus on systemic County-wide landlord engagement strategies.



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**IV. Coordinated Entry System Housing Readiness Services and Case Management**

The JPA will ensure that the Coordinated Entry Services Operator provides Housing Readiness Services and Case Management. This includes:

1. Counseling individuals and families at the top of the ResourceConnect Solano prioritization system as to potential housing options;
2. Coordinating supportive services for individuals and families at the top of the Resource Connect Solano prioritization system;
3. Using the Coordinated Entry System to provide comprehensive assessments of participant need for housing and services;
4. Monitoring and evaluating Resource Connect Solano participant progress;
5. Providing Resource Connect Solano participant information and referrals to providers participating in the Coordinated Entry System;
6. Developing individualized housing and service plans for individuals and families at the top of the Resource Connect Solano prioritization system;
7. Providing tenant counseling to individuals and families placed within the past 30 days into housing through Resource Connect Solano;
8. Assisting individuals and families at the top of the Resource Connect Solano prioritization system or placed within the past 30 days into housing through Resource Connect Solano to understand the leasing process;
9. Assisting individuals and families at the top of the Resource Connect Solano prioritization system or placed within the past 30 days into housing through Resource Connect Solano with securing utilities;
10. Assisting individuals and families at the top of the Resource Connect Solano prioritization system or placed within the past 30 days into housing through Resource Connect Solano with making moving arrangements.

**V. Coordinated Entry Systems Operations**

The JPA will ensure that resources made available through this MOU for operations are allocated to items such as: the costs of office space; maintenance; office equipment; Internet access; a system website; marketing; office supplies; transportation costs incurred by the Resource Connect Solano staff; public transportation costs for consumers; and essential training and conference attendance about Coordinated Entry.



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**EXHIBIT B: BUDGET**

**I. Funding**

In addition to coordinated entry staff supported by HUD CoC, which is \$233,589 for FY2025/26, pursuant to this MOU, the Cities and County will provide 2026 funding of \$351,638 as follows to support the activities described in Exhibit A.

Funding for calendar years 2027 and 2028 will increase at a fixed rate of three (3) percent per year.

**II. Method of Payment**

The County and Cities shall transmit annual payments to the JPA. The method of payment was determined by the population of the Cities with the County making a larger amount than its population and is as follows:

|               | 2026             | 2027             | 2028             | Total              |
|---------------|------------------|------------------|------------------|--------------------|
| Solano County | \$81,966         | \$84,425         | \$86,958         | \$253,350          |
| Benicia       | \$18,816         | \$19,381         | \$19,962         | \$58,158           |
| Fairfield     | \$77,564         | \$79,891         | \$82,288         | \$239,743          |
| Rio Vista     | \$6,127          | \$6,311          | \$6,501          | \$18,939           |
| Suisun City   | \$19,903         | \$20,500         | \$21,115         | \$61,517           |
| Vacaville     | \$66,895         | \$68,902         | \$70,969         | \$206,767          |
| Vallejo       | \$80,366         | \$82,777         | \$85,260         | \$248,402          |
| <b>Total</b>  | <b>\$351,638</b> | <b>\$362,187</b> | <b>\$373,053</b> | <b>\$1,086,878</b> |

The JPA shall invoice the County and Cities within 30 days of the effective date of this MOU and then each year thereafter within 30 days of the same calendar date. The Cities and County shall make payment of the invoice within 30 days of the date of the invoice.



COMMUNITY ACTION PARTNERSHIP SOLANO  
JOINT POWERS AUTHORITY

To: Natalie Peterson, Assistant to the Vallejo City Manager

From: Michael Wilson, Interim Executive Director

Date: March 30, 2026

RE: Response to questions regarding the Cities and County CES MOU

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We appreciate meeting with you and City Attorney Veronica Nebb on March 19<sup>th</sup> and wanted to respond to the questions in your email dated March 24<sup>th</sup> regarding the Cities and County proposed Memorandum of Understanding (MOU) for the Coordinated Entry System (CES).

**1. Please differentiate between the terms “Coordinated Entry,” “Coordinated Entry System,” “Coordinated Entry Operator.”**

**Coordinated Entry:** This refers to the process of coordinated entry. It includes:

- A standardized approach to comprehensively assess the housing and service needs of homeless individuals and families and refer them to appropriate available resources that are needed to end their homelessness.
- Connects the community’s network of homeless services and housing resources while streamlining, standardizing, and coordinating the current homeless intake, assessment, and referral process.
- Homeless individuals and families, especially highly vulnerable individuals and families who are homeless, are the principal users.

**Coordinated Entry System:** This refers to the entire structure and framework supporting the process of Coordinated Entry. It includes:

- The policies and procedures
- The staffing and roles
- The access points (physical or virtual)
- The assessment tools
- The data infrastructure (HMIS, software, forms)



## COMMUNITY ACTION PARTNERSHIP SOLANO JOINT POWERS AUTHORITY

**Coordinated Entry [System] Operator:** The agency the JPA will contract with who operates the system on a day to day basis.

- Entity responsible for running and managing the day-to-day operations of a community's Coordinated Entry System.
- Oversees the coordinated entry workflow.
- Ensures assessments are completed and accurate.
- Manages referrals to housing programs.
- Monitors prioritization lists.
- Trains and supports access point staff.
- Ensures data quality and HMIS compliance.
- Tracks system performance and generates reports.
- Ensures compliance with HUD and local CoC policies.
- Troubleshoots issues across access points and agencies.
- Serves as the main operational contact for the system.
- 

**2. Please Define subrecipient term under IV # 6.**

The Subrecipient as discussed in Section IV.6. is the agency contracted with the CAP Solano JPA to serve as the Coordinated Entry System Operator.

**3. Please confirm that “death” is included under insurance naming County, Cities & Coordinated Entry System Operator as additional insured.**

“Death” is included in the Indemnification section of the RFP (CES-2025-01, p 16) and will be included in the subrecipient contract with the CES Operator.

**4. Please confirm where outcomes/objectives and reporting structure will be outlined (e.g. subrecipient agreement).**

The CAP Solano JPA is currently in a Request for Proposal (RFP) process for Coordinated Entry Operator. The resulting subrecipient contract will include outcomes/objectives and reporting structure which will be reported to jurisdictions which are participating in the CAP Solano JPA.





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Brad Job, Public Works Director  
**SUBJECT:** **ADOPT A RESOLUTION APPROVING A MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN THE CITY OF VALLEJO AND THE VALLEJO FLOOD AND WASTEWATER DISTRICT, SPECIFICALLY OUTLINING THE DUTIES AND RESPONSIBILITIES OF EACH AGENCY RELATED TO COMPLIANCE WITH THE MUNICIPAL REGIONAL STORMWATER PERMIT ISSUED BY THE STATE AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

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### **RECOMMENDATION**

Adopt a Resolution approving a Memorandum of Understanding (MOU) between the City of Vallejo and the Vallejo Flood and Wastewater District, specifically outlining the duties and responsibilities of each agency related to compliance with the Municipal Regional Stormwater Discharge Permit issued by the State and authorizing the City Manager to execute same.

### **REASONS FOR RECOMMENDATION**

The California Regional Water Quality Control Board, San Francisco Bay Region (Regional Board) Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit, Order No. R2-2015-0049, NPDES No. CAS612008 Municipal Regional Permit (MRP). As co-permittees, both agencies share responsibility for implementing stormwater management measures and ensuring compliance with federal and state regulatory requirements established under the Clean Water Act. The most recent Memorandum of Understanding (MOU) between the City and the District was executed in March 2016 to support the implementation of MRP-2. Since that time, the Regional Board adopted the third iteration of the permit (MRP-3), which became effective July 1, 2023. MRP-3 includes expanded regulatory requirements, enhanced programmatic elements, and additional implementation responsibilities related to municipal stormwater management and pollutant reduction. Accordingly, the existing MOU requires revision to reflect the updated regulatory framework and to clearly delineate agency roles and responsibilities associated with implementation of the new and revised provisions contained in MRP-3. Updating the MOU will ensure that each permit requirement is assigned to the appropriate entity and that program implementation remains consistent, coordinated, and compliant with Regional Board expectations. Beyond regulatory compliance, the MOU continues to serve as the foundational governance document guiding coordination between the City and the District. The agreement establishes a collaborative framework intended to promote efficient program implementation, effective resource utilization, and clear accountability, thereby ensuring that all applicable provisions of the Municipal Regional Stormwater Permit are fully and effectively implemented.

### **BACKGROUND AND DISCUSSION**

The City of Vallejo (City) and the Vallejo Flood and Wastewater District (District) are co-permittees under the California Regional Water Quality Control Board, San Francisco Bay Region ("Regional Board") [Municipal Regional Stormwater National Pollutant Discharge Elimination System \(NPDES\) Permit, Order No. R2-2015-0049, NPDES No. CAS612008 Municipal Regional Permit \(MRP\)](#). As co-permittees, both agencies share

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MUNICIPAL REGIONAL STORMWATER PERMIT ISSUED BY THE STATE AND  
AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

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identical regulatory reporting obligations under the permit and operate within the same geographic and political jurisdiction.

Operational responsibilities for stormwater infrastructure are divided between the two agencies. The District owns and maintains the municipal storm drain system downstream of the storm drain inlet grates, including conveyance infrastructure and associated facilities. The City is responsible for stormwater source control, pollutant prevention, and maintenance activities occurring before stormwater enters storm drain inlets, including those within the public right-of-way and other City-maintained areas.

On January 25, 2016, Regional Board staff conducted a compliance inspection of the City's and District's Municipal Stormwater Program. Following the inspection, the Regional Board issued a Notice of Violation (NOV) dated March 22, 2016, identifying three violations and establishing 19 required actions and five recommended actions to address deficiencies and improve program implementation. In response, the City and the District collaborated on a joint response to the Regional Board dated May 2, 2016, outlining corrective actions and identifying which agency would be responsible for addressing each item contained in the NOV. Required Action No. 2 of the NOV directed the City and the District to review each provision of the current MRP (MRP-2) and identify which agency would be responsible for implementing each requirement. To comply with this directive, the City and District developed and executed a Memorandum of Understanding (MOU) that formally delineated roles and responsibilities for implementation of the MRP-2 provisions. The MOU is intended to provide clear accountability, reduce duplication of efforts, and ensure that all permit requirements are implemented in a coordinated and compliant manner.

In July 2023, the Regional Board adopted the third iteration of the permit (MRP-3), which introduced additional regulatory requirements, expanded programmatic elements, and enhanced compliance expectations. As a result, it is necessary to update the existing MOU to incorporate the new and revised provisions of MRP-3 and to clearly assign implementation responsibilities between the City and the District.

In addition to defining implementation responsibilities, the MOU also supports coordination related to preparation of the co-permittees' annual Municipal Stormwater Program reports, which are submitted to the Regional Board each September. Historically, the City and the District have exchanged information and attempted to coordinate prior to submitting their respective Annual Reports. Nevertheless, information has at times been inadvertently omitted, modified late in the reporting process, or duplicated between agencies, which created inconsistencies and confusion during Regional Board review. The updated MOU is intended to improve continued coordination, streamline data sharing, and ensure consistency in reporting.

The City and District also acknowledge that future implementation of the MRP may necessitate adjustments to program responsibilities as regulatory requirements evolve or operational considerations change. The MOU therefore includes provisions stating that, upon request of either party, the City and District will meet and confer in good faith to evaluate and amend the agreement as necessary to reflect evolving program needs. Overall, the MOU serves as a key inter-agency governance document that demonstrates the City's and District's commitment to coordinated stormwater management, regulatory compliance, and shared accountability for implementation of all applicable provisions of MRP-3. From a regulatory compliance perspective, the MOU was explicitly identified by the Regional Water Quality Control Board as a required corrective action in the 2016 Notice of Violation. As such, failure to approve the MOU may be interpreted as non-compliance with previously mandated directives. This could expose the City and District to further

**Subject: ADOPT A RESOLUTION APPROVING A MEMORANDUM OF UNDERSTANDING (MOU)  
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AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

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enforcement actions, including the potential issuance of an additional Notice of Violation by the Regional Board.

**FISCAL IMPACT**

Approval of the Memorandum of Understanding (MOU) will not result in any additional costs associated with compliance with the Regional Board NPDES Permit requirements. The MOU is merely an administrative document intended to clarify and formalize the division of responsibilities between the City and District for the implementation of MRP-3.

**ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15268, Ministerial Projects, because compliance with the regulatory requirements and specific provisions of the MRP-3 is mandatory. To the extent that such compliance consists of maintenance of existing facilities and/or minor repairs to existing facilities, these would also be exempt from CEQA pursuant to CEQA Guidelines Section 15301, Existing Facilities.

**ATTACHMENTS**

|    |                                                      |
|----|------------------------------------------------------|
| 1. | Resolution Approving MOU_CAO Stamp                   |
| 2. | MOU Attachment A - MRP 3.0 Duties                    |
| 3. | Ex A - MOU VFWD and CoV MRP 3.0 Recitals - CAO Stamp |

**CONTACT**

Brad Job, Public Works Director 707) 648-4105  
[Leonard.Job@cityofvallejo.net](mailto:Leonard.Job@cityofvallejo.net)

Approved as to form:

By:  for  
Veronica A.F. Nebb  
City Attorney

## RESOLUTION NO. 26-\_\_\_N.C.

### **A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO AUTHORIZING THE CITY MANAGER TO EXECUTE A MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN THE CITY OF VALLEJO AND THE VALLEJO FLOOD AND WASTEWATER DISTRICT SPECIFICALLY OUTLINING THE DUTIES AND RESPONSIBILITIES OF EACH AGENCY RELATED TO COMPLIANCE WITH THE MUNICIPAL REGIONAL STORMWATER PERMIT ISSUED BY THE STATE**

WHEREAS, in 1972, Congress passed the Clean Water Act to reduce pollution from factories, municipal sewage treatment plants, and similar facilities that discharge waste to streams, rivers, lakes, or bays; and

WHEREAS, the 1987 Amendments to the Clean Water Act expanded the pollution reduction mandate to include discharges from Municipal Separate Storm Sewer Systems (MS4s, or storm drains); and

WHEREAS, the California Water Quality Control Board for the San Francisco Bay Region (RWQCB) issued the first California municipal stormwater National Pollutant Discharge Elimination System (NPDES) permits in 1989; and

WHEREAS, the stormwater NPDES permits require owners of MS4s—including cities, towns, and counties; state and regional transportation agencies; flood control districts; and others—to control the myriad sources of pollutants that enter and are transported through their systems; and

WHEREAS, the City of Vallejo (“City”) and the Vallejo Flood and Wastewater District (“District”) have reviewed the Municipal Regional Permit (MRP) and have jointly determined which entity is responsible for each applicable provision to ensure all requirements are appropriately implemented; and

WHEREAS, the Memorandum of Understanding (MOU) formalizes the respective responsibilities of the City and the District in relation to the MRP requirements; and

WHEREAS, this Memorandum of Understanding serves as a foundation for a cooperative and mutually beneficial working relationship between the City and the District to ensure compliance with the MRP.

NOW, THEREFORE, BE IT RESOLVED by the City Council that the City Manager is hereby authorized to execute the Memorandum of Understanding, attached hereto as Exhibit A, on behalf of the City.

Adopted at a regular meeting of the City Council of the City of Vallejo, State of California, on the 14th day of April 2026 by the following vote to-wit:

AYES:

NOES:

ABSENT:  
ABSTAIN:

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ANDREA SORCE, MAYOR

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DAWN G. ABRAHAMSON, CITY CLERK

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Responsible Agency |
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| Section                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| <b>A. DISCHARGE PROHIBITIONS</b>                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| <b>A.1.</b>                                                                         | The Permittees shall, within their respective jurisdictions, effectively prohibit the discharge of non-stormwater (materials other than stormwater) into storm drain systems and watercourses. NPDES-permitted discharges are exempt from this prohibition. Provision C.15 describes a tiered categorization of non-stormwater discharges based on potential for pollutant content that may be discharged upon adequate assurance that the discharge contains no pollutants of concern at concentrations that will impact beneficial uses or cause exceedances of water quality standards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |
| <b>A.2.</b>                                                                         | It shall be prohibited to discharge rubbish, refuse, bark, sawdust, or other solid wastes into surface waters or at any place where they would contact or where they would be eventually transported to surface waters, including flood plain areas. Permittees are also subject to the trash discharge prohibition in the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California and the Water Quality Control Plan for Ocean Waters of California.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| <b>B. RECEIVING WATER LIMITATIONS</b>                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| <b>B.1.</b>                                                                         | The discharge shall not cause the following conditions to create a condition of nuisance or to adversely affect beneficial uses of waters of the State:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
| <b>B.1.a.</b>                                                                       | Floating, suspended, or deposited macroscopic particulate matter, or foam;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>B.1.b.</b>                                                                       | Bottom deposits or aquatic growths;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| <b>B.1.c.</b>                                                                       | Alteration of temperature, turbidity, or apparent color beyond present natural background levels;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>B.1.d.</b>                                                                       | Visible, floating, suspended, or deposited oil or other products of petroleum origin; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| <b>B.1.d.</b>                                                                       | Substances present in concentrations or quantities that would cause deleterious effects on aquatic biota, wildlife, or waterfowl, or that render any of these unfit for human consumption.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>B.2.</b>                                                                         | The discharge shall not cause or contribute to a violation of any applicable water quality standard for receiving waters. If applicable water quality objectives are adopted and approved by the State Water Board after the date of the adoption of this Order, the Water Board may revise and modify this Order as appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
| <b>C.1. Compliance with Discharge Prohibitions and Receiving Waters Limitations</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|                                                                                     | The Permittees shall comply with Discharge Prohibitions A.1 and A.2 and Receiving Water Limitations B.1 and B.2 through the timely implementation of control measures and other actions as specified in Provisions C.2 through C.24. Compliance with Provisions C.9 through C.12, C.14, C.18 (pertaining to the Pescadero-Butano Sediment TMDL), and C.19.c-f of this Order, which prescribe requirements and schedules for Permittees identified therein to manage their discharges that may cause or contribute to violations of water quality standards (WQS) for pesticides, trash, mercury, polychlorinated biphenyls (PCBs), bacteria, sediment, diazinon and chlorpyrifos, and methylmercury, shall constitute compliance during the term of this Order with Receiving Water Limitations B.1 and B.2 for the pollutants and the receiving waters identified in the provisions. Compliance with Provision C.10 which prescribes requirements and schedules for Permittees to manage their discharges of trash, shall also constitute compliance with Discharge Prohibitions A.1 and A.2 during the term of this Order for discharges of trash. If exceedance(s) of WQS, except for exceedances of WQS for pesticides, trash, mercury, PCBs, bacteria, sediment, diazinon and chlorpyrifos, and methylmercury that are managed pursuant to Provisions C.9 through C.12, C.14, C.18 (pertaining to the Pescadero-Butano Sediment TMDL), and C.19.c-f, persist in receiving waters notwithstanding the implementation of the required controls and actions, the Permittees shall comply with the following procedure: | B                  |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Responsible Agency |
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| C.1.a.                                                           | Upon a determination by either the Permittee(s) or the Water Board that discharges are causing or contributing to an exceedance of an applicable (WQS), the Permittee(s) shall notify, within no more than 30 days, and thereafter submit a report to the Water Board that describes controls or best management practices (BMPs) that are currently being implemented, and the current level of implementation, and additional controls or BMPs that will be implemented, and/or an increased level of implementation, to prevent or reduce the discharge of pollutants that are causing or contributing to the exceedance of water quality standards. The report may be submitted in conjunction with the Annual Report, unless the Water Board directs an earlier submittal, and shall constitute a request to the Water Board for amendment of this NPDES Permit. The report and application for amendment shall include an implementation schedule. The Water Board may require modifications to the report and application for amendment; and | B                  |
| C.1.b.                                                           | C.1.b.Submit any modifications to the report required by the Water Board within 30 days of notification. As long as Permittees have complied with the procedures set forth above, they do not have to repeat the same procedure for continuing or recurring exceedances of the same receiving water limitations unless directed by the Water Board to develop additional control measures and BMPs and reinitiate the Permit amendment process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
| <b>C.2. Municipal Operations</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|                                                                  | The purpose of this provision is to ensure implementation of appropriate BMPs by all Permittees to control and reduce non-stormwater and polluted stormwater discharges to storm drains and watercourses during operation, inspection, and routine repair and maintenance activities of municipal facilities and infrastructure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| C.2.a                                                            | <b>Street and Road Repair and Maintenance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| i.                                                               | Task Description – Asphalt/Concrete Removal, Cutting, Installation, and Repair                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|                                                                  | The Permittees shall implement appropriate BMPs, such as those described in the California Stormwater Quality Association (CASQA) Municipal Stormwater BMP Handbook and Construction Stormwater BMP Handbook, at street and road repair and/or maintenance sites to control debris and waste materials during road and parking lot installation, repaving, repair, or maintenance activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| ii.                                                              | <b>Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
|                                                                  | (1) The Permittees shall require proper management of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater to avoid discharge to storm drains from such work sites. The Permittees shall coordinate with sanitary sewer agencies to determine if wastewater generated from road construction, repair, and maintenance activities may be discharged to the sanitary sewer system, provided appropriate approvals are obtained and pretreatment standards are met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|                                                                  | (2) The Permittees shall require sweeping and/or vacuuming to remove debris, concrete, or sediment residues from work sites upon completion of work. The Permittees shall require cleanup of all construction debris, spills, and leaks using dry methods (e.g., absorbent materials, rags, pads, and vacuuming), as described in the Bay Area Stormwater Management Agencies Association (BASMAA) Blueprint for a Clean Bay or the CASQA Municipal Stormwater BMP Handbook.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| iii.                                                             | <b>Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                  |
|                                                                  | (1) The Permittees shall report on implementation of and compliance with these BMPs in the Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|                                                                  | (2) Permittees shall make applicable supporting BMP documents available to Water Board staff or representatives during audits or inspections, and upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| C.2.b.                                                           | <b>Sidewalk/Plaza Maintenance and Pavement Washing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
| i.                                                               | <b>Task Description</b> – The Permittees shall implement and require to be implemented BMPs that prevent the discharge of polluted wash water and non-stormwater to storm drains from pavement, sidewalk and plaza cleaning, mobile cleaning, outdoor pressure washing operations, and washing down of trash areas and gas station or mobile fueling service areas. BMPs for washing down outside areas of human habitation shall include sanitizing procedures. The Permittees shall implement BMPs such as those included in the BASMAA Mobile Surface Cleaner Program. The Permittees shall coordinate with sanitary sewer agencies to determine if disposal to the sanitary sewer is available for the wastewater generated from these activities provided that appropriate approvals and pretreatment standards are met.                                                                                                                                                                                                                       |                    |
| ii.                                                              | <b>Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                  |
|                                                                  | (1) The Permittees shall report on implementation of and compliance with these BMPs in the Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|                                                                  | (2) Permittees shall make applicable supporting BMP documents available to Water Board staff or representatives during audits or inspections, and upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| C.2.c.                                                           | <b>Bridge and Structure Maintenance and Graffiti Removal</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
| i.                                                               | <b>Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|                                                                  | (1) The Permittees shall implement appropriate BMPs to prevent the discharge of polluted stormwater and non-stormwater from bridges and structural maintenance activities directly into surface waters or storm drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                                                  | (2) The Permittees shall implement BMPs for graffiti removal that prevent non-stormwater and wash water discharges into storm drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| ii.                                                              | <b>Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                                  | (1) The Permittees shall prevent all debris and pollutants, including structural materials and coating debris, such as paint chips, generated in bridge and structure maintenance or graffiti removal, from entering storm drains or water courses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                       | Responsible<br>Agency |
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|         | (2) The Permittees shall protect nearby storm drain inlets before removing graffiti from walls, signs, sidewalks, or other structures. The Permittees shall prevent any discharge of debris, cleaning compound waste, paint waste, or wash water due to graffiti removal from entering storm drains or |                       |



| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Responsible Agency |
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|                                                                  | (3) The Permittees shall use proper disposal methods for wastes generated from these activities. The Permittees shall train their employees and/or specify in contracts the proper capture and disposal methods for the wastes generated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| iii.                                                             | <b>Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|                                                                  | (1) The Permittees shall report on implementation of and compliance with these BMPs in the Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|                                                                  | (2) Permittees shall make applicable supporting BMP documents available to Water Board staff or representatives during audits or inspections, and upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| C.2.d.                                                           | <b>Stormwater Pump Stations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
| i.                                                               | Task Description - The Permittees shall implement measures to operate, inspect, and maintain stormwater pump stations to eliminate non-stormwater discharges containing pollutants, and to reduce pollutant loads in stormwater discharges to comply with WQSS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| ii.                                                              | Implementation Levels - The Permittees shall comply with the following at Permittee-owned or -operated pump stations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                                  | (1) Upon becoming aware that the discharge from a pump station has a dissolved oxygen (DO) concentration below 3.0 mg/L, implement corrective actions, such as continuous pumping at a low flow rate, aeration, or other appropriate methods to maintain DO concentrations of the discharge above 3 milligrams per liter (mg/L) and verify the effectiveness of the corrective actions with monitoring. Corrective actions do not need to be implemented on discharges from pump stations that remain in the stormwater collection system or infiltrate into a dry creek immediately downstream.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|                                                                  | (2) Ensure that pump stations are free from debris and trash and replace any oil absorbent booms, as needed, and investigate and abate illicit discharges. Pump stations excluded from C.2.d.ii.(1) above are not excluded from this requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|                                                                  | (3) The Permittees shall maintain records of inspection, maintenance, implementation of corrective actions, and any monitoring records at Permittee-owned or -operated pumped stations. These records shall be made available to Water Board staff or its representatives during inspections and audits, or otherwise upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| C.2.e.                                                           | <b>Rural Public Works Construction and Maintenance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| i.                                                               | <b>Task Description</b> - Rural Road and Public Works Construction and Maintenance. For the purpose of this provision, rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing, or open space uses. Rural roads include paved, unpaved, utility, and access roads in rural areas. The Permittees shall implement and require contractors to implement BMPs for erosion and sediment control during and after construction for maintenance activities on rural roads, such as those in the CASQA Construction Stormwater BMP Handbook, particularly in or adjacent to stream channels or wetlands. The Permittees shall notify the Water Board, the California Department of Fish and Wildlife (CDFW), and the U.S. Army Corps of Engineers, where applicable, and obtain appropriate agency permits for rural public works activities before work in or near creeks and wetlands. San Mateo County has additional rural road requirements for the Pescadero-Butano Sediment TMDL described in Provision C.18 and shall also implement that provision. | N/A                |
| ii.                                                              | <b>Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | N/A                |
|                                                                  | (1) The Permittees shall continue to implement erosion and sediment control BMPs, in addition to those described in Provision C.2.a, during construction and maintenance activities on rural roads, including developing and implementing appropriate training and technical assistance resources for rural public works activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                                  | (2) The Permittees shall implement appropriate BMPs to minimize impacts on streams and wetlands in the course of rural road and public works maintenance and construction activities by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|                                                                  | (a) Selecting road design, construction, maintenance, and repairs in rural areas that prevent and control road-related erosion and sediment transport;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                                  | (b) Identifying and prioritizing rural road maintenance on the basis of soil erosion potential, slope steepness, and stream habitat resources;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                                  | (c) Construction of roads and culverts that do not impact creek functions. New or replaced culverts shall not create a migratory fish passage barrier, where migratory fish are present, or lead to stream instability;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|                                                                  | (d) Implementing an inspection program to maintain rural roads' structural integrity and prevent impacts to water quality;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|                                                                  | (e) Maintaining rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts, and address excessive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|                                                                  | (f) Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|                                                                  | (g) Replacing existing culverts or design of new culverts or bridge crossings shall use measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology in a stable manner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|                                                                  | (3) The Permittees shall incorporate existing training and guidance on permitting requirements for rural public works activities so as to stress the importance of proper planning and construction to avoid water quality impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                                  | (4) The Permittees shall provide training incorporating these BMPs to rural public works maintenance staff at least twice within this Permit term.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| iii.                                                             | Reporting - The Permittees shall report on the implementation of and compliance with BMPs for rural public works construction and maintenance activities, including reporting on increased maintenance in priority areas, in the Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NA                 |
| C.2.f.                                                           | <b>Corporation Yard BMP Implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
| i.                                                               | <b>Task Description - Corporation Yard Maintenance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                                  | (1) The Permittees shall implement and maintain a site-specific Stormwater Pollution Prevention Plan (SWPPP) for corporation yards, including municipal vehicle and heavy equipment maintenance yards and parking areas, and material storage facilities, to comply with water quality standards. Each SWPPP shall incorporate all appropriate BMPs, such as those described in the current versions of the CASQA Municipal Stormwater BMP Handbook or the Caltrans Storm Water Quality Handbook Maintenance Staff Guide, and addenda, as applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Responsible Agency |
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|         | (2) The requirements in this provision shall apply only to facilities that are not covered under the State Water Board's Industrial Stormwater NPDES General Permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| ii.     | <p><b>Implementation Level</b></p> <p>(1) Implement BMPs to minimize pollutant discharges in stormwater and prohibit non-stormwater discharges, such as wash waters and street sweeper, vactor, and other related equipment wash water. Pollution control actions shall include, but not be limited to, good housekeeping practices, material and waste storage control, and vehicle leak and spill control.</p> <p>(2) Routinely inspect corporation yards to ensure that non-stormwater discharges are not entering the storm drain system and that pollutant discharges are prevented to the maximum extent practicable. At a minimum, each corporation yard shall be fully inspected each year between August 1 and September 30. Permittees shall cease or cause to be ceased any active non-stormwater discharges immediately after they are discovered. Corrective actions shall be implemented before the next rain event, but no longer than 10 business days after the potential and/or actual discharges are discovered. Corrective actions can be temporary, in which case more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, a rationale shall be recorded.</p> <p>(3) Plumb all vehicle and equipment wash areas to the sanitary sewer after coordination with the local sanitary sewer agency and equip with a pretreatment device (if necessary) in accordance with the requirements of the local sanitary sewer agency. In areas where a sanitary sewer connection is not available, the Permittees shall collect and haul the wash water to an alternative sanitary sewer connection or municipal wastewater treatment plant, or implement appropriate BMPs to collect, properly treat, and reuse wash water onsite without any discharge.</p> <p>(4) Use dry cleanup methods when cleaning debris and spills from corporation yards. If wet cleaning methods must be used (e.g., pressure washing), the Permittee shall ensure that wash water is collected and disposed in the sanitary sewer after coordination with the local sanitary sewer agency and in accordance with the requirements of the local sanitary sewer agency. Any private companies hired by the Permittee to perform cleaning activities on Permittee-owned property shall follow the same requirements. In areas where a sanitary sewer connection is not available, the Permittees shall collect and haul the wash water to a municipal wastewater treatment plant, or implement appropriate BMPs and dispose of the wastewater to land in a manner that does not adversely impact surface water or groundwater.</p> <p>(5) Outdoor storage areas containing pollutants shall be covered and/or bermed to prevent discharges of polluted stormwater runoff or run-on to storm drain inlets.</p> | B                  |
| iii.    | <p><b>Reporting</b></p> <p>(1) In each Annual Report, Permittees shall list activities conducted in the corporation yards that have BMPs in the site-specific SWPPP, the date(s) of inspections, the results of inspections, and any follow-up actions, including the date of any necessary corrective actions implemented. The information may be reported in a narrative or tabular format.</p> <p>(2) In the 2023 Annual Report, Permittees shall make their corporation yard SWPPPs available to the Water Board by providing links to online documents or submitting the documents as part of the Annual Report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
| C.2.g.  | <b>Storm Drain Inlet Marking</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| i.      | <b>Task Description</b> - Permittees shall mark and maintain municipally- maintained storm drain inlets with an appropriate stormwater pollution prevention message, such as "No dumping, drains to Bay" or equivalent. For newly approved, privately maintained streets, Permittees shall require storm drain inlet markings with an appropriate stormwater pollution prevention message by the project developer upon construction and maintenance of markings through the development maintenance entity. Markings on the storm drain inlets shall be verified prior to acceptance of the project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| ii.     | <p><b>Implementation Level</b></p> <p>(1) Inspect and maintain storm drain inlet markings of at least 80 percent of municipality-maintained inlets to ensure they are legibly labeled with a no dumping message or equivalent once per permit term.</p> <p>(2) Storm drain inlet markings of newly developed, privately maintained streets shall be verified prior to acceptance of the project. Permittees shall require maintenance of the storm drain inlet markings through the development maintenance entity.</p> <p>(3) Certify that all privately maintained streets had storm drain inlet markings verified prior to acceptance of the project and were required to maintain the storm drain inlet markings through the development maintenance entity.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| iii.    | <b>Reporting</b> - In the 2026 Annual Report, each Permittee shall (1) state how many municipally-maintained storm drain inlets it has, (2) certify that at least 80 percent of municipality-maintained storm drain inlet markings are legibly labeled with an appropriate stormwater pollution prevention message during the permit term; and (3) include a picture of a labeled municipality-maintained inlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| C.2.h.  | <b>Staff Training</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
| i.      | <b>Task Description</b> - Permittees shall ensure municipal maintenance staff conducting routine repair and maintenance activities of municipal facilities and infrastructure, or activities related to the implementation of corporation yard SWPPPs, are appropriately trained on the requirements of Provision C.2 and methods of implementation. Trainings may be program-wide, region-wide, or Permittee-specific.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| ii.     | <p><b>Implementation Levels</b> - At a minimum, provide training at least once within the 5-year term of this Permit to municipal staff on the following topics as relevant to municipal staff responsible for maintenance activities:</p> <p>(1) Stormwater pollution prevention;</p> <p>(2) Appropriate BMPs for Maintenance and cleanup activities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                               | Responsible Agency |
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|         | (3) Street and Road Repair and Maintenance BMPs;<br>(4) Sidewalk/Plaza Maintenance and Pavement Washing;<br>(5) Bridge and Structure Maintenance and Graffiti Removal;<br>(6) Corporation Yard SWPPPs and BMPs; and<br>(7) Spill and discharge response and notification procedures and contacts.                                                                                                                                                                                              |                    |
| iii.    | <b>Reporting - The Permittees shall include the following information in each Annual Report:</b><br>(1) Dates of training;<br>(2) Training topics covered;<br>(3) Total number of Permittee maintenance staff;<br>(4) Number and percentage of Permittee maintenance staff who attended training;<br>(5) If there was no training in a given year, so state.                                                                                                                                   |                    |
| C.3.    | <b>New Development and Redevelopment</b><br>The goal of Provision C.3 is for the Permittees to use their planning authorities to include appropriate source control, site design, and stormwater treatment measures in new development and significant redevelopment projects to address stormwater runoff pollutant discharges and prevent increases in runoff flows from new development and redevelopment projects. This goal is to be accomplished primarily through the implementation of | C                  |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Responsible Agency |
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| C.3.a.                                                           | <b>New Development and Redevelopment Performance Standard Implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
| i.                                                               | <b>Task Description - At a minimum, each Permittee shall:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                                  | (1) Have adequate legal authority to implement all requirements of Provision C.3;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                  |
|                                                                  | (2) Have adequate development review and permitting procedures to impose conditions of approval or other enforceable mechanisms to implement the requirements of Provision C.3. For projects discharging directly to CWA section 303(d)-listed waterbodies, conditions of approval must require that post-development runoff not exceed pre-development levels for such pollutants that are listed;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|                                                                  | (3) Evaluate potential water quality effects and identify appropriate mitigation measures when conducting environmental reviews, such as under CEQA;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|                                                                  | (4) Provide training adequate to implement the requirements of Provision C.3 for staff, including interdepartmental training;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                                  | (5) Provide outreach adequate to implement the requirements of Provision C.3, including providing education materials to municipal staff, developers, contractors, construction site operators, and owner/builders, early in the planning process and as appropriate;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|                                                                  | (6) For all new development and redevelopment projects that are subject to the Permittee's planning, building, development, or other comparable review, but not regulated by Provision C.3, encourage the inclusion of adequate site design measures that may include minimizing land disturbance and impervious surfaces (especially parking lots); clustering of structures and pavement; directing roof runoff to vegetated areas; use of micro-detention, including distributed landscape-based detention; preservation of open space; and protection and/or restoration of riparian areas and wetlands as project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                                  | (7) For all new development and redevelopment projects that are subject to the Permittee's planning, building, development, or other comparable review, but not regulated by Provision C.3, encourage the inclusion of adequate source control measures to limit pollutant generation, discharge, and runoff. These source control measures should include:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                                  | <ul style="list-style-type: none"> <li>• Storm drain inlet stenciling.</li> <li>• Landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, minimizes the use of pesticides and fertilizers, and incorporates appropriate sustainable landscaping practices and programs, such as Bay-Friendly Landscaping.</li> <li>• Appropriate covers, drains, and storage precautions for outdoor material storage areas, loading docks, repair/maintenance bays, and fueling areas.</li> <li>• Covered trash, food waste, and compactor enclosures.</li> <li>• Plumbing of the following discharges to the sanitary sewer, subject to the local sanitary sewer agency's regulations and standards: <ul style="list-style-type: none"> <li>• Discharges from indoor floor mat/equipment/hood filter wash racks or covered outdoor wash racks for restaurants.</li> <li>• Dumpster drips from covered trash and food compactor enclosures.</li> <li>• Discharges from outdoor covered wash areas for vehicles, equipment, and accessories.</li> <li>• Swimming pool water, if discharge to onsite vegetated areas is not a feasible option.</li> <li>• Fire sprinkler test water, if discharge to onsite vegetated areas is not a feasible option.</li> </ul> </li> </ul> |                    |
|                                                                  | (8) Revise, as necessary, General Plans to integrate water quality and watershed protection with water supply, flood control, habitat protection, groundwater recharge, and other sustainable development principles and policies (e.g., referencing the ReScape California Guidelines).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| ii.                                                              | <b>Reporting</b> - Provide a brief summary of the method(s) of implementation of Provisions C.3.a.i.(1)–(8) in the 2023 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| C.3.b.                                                           | <b>Regulated Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Responsible Agency |
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|         | <p>i. <b>Task Description</b> - The Permittees shall require all projects fitting the category descriptions listed in Provision C.3.b.ii. below (hereinafter called Regulated Projects) to implement LID source control, site design, and stormwater treatment onsite or at a joint stormwater treatment facility<sup>1</sup> in accordance with Provisions C.3.c. and C.3.d., unless the Provision C.3.e. alternate compliance options are invoked. For Regulated Projects that will discharge runoff to a joint stormwater treatment facility, the treatment facility must be completed by the end of construction of the first Regulated Project that will be discharging runoff to the joint stormwater treatment facility.</p> <p>(1) Any Regulated Project that has been approved with stormwater treatment measures in compliance with Provision C.3.d. under a previous MS4 permit is exempt from the requirements of Provision C.3.c. (low impact development requirements).</p> <p>(2) Any Regulated Project that was approved with no Provision C.3. stormwater treatment requirements under a previous MS4 permit and that has not begun construction by the effective date of this permit, shall be required to fully comply with the requirements of C.3.c. and C.3.d. Permittees may grant exemptions from this requirement as follows:</p> <p>(a) An exemption may be granted to:</p> <p>(i) Any Regulated Project that was previously approved with a vesting tentative map that confers a vested right to proceed with development in substantial compliance with the ordinance, policies, and standards in effect at the time the vesting tentative map was approved or conditionally approved, as allowed by State law.</p> <p>(ii) Any Regulated Project for which the Permittee has no legal authority to require changes to previously granted approvals, such as projects that have been granted building permits.</p> <p>(b) An exemption from the LID requirements of Provision C.3.c. may be granted to any Regulated Project as long as stormwater treatment with media filters is provided that comply with the hydraulic sizing requirements of Provision C.3.d.</p> <p>(3) Any pending Regulated Project that has not yet been approved as of June 30, 2023, and for which a Permittee has no legal authority to require new requirements under Government Code sections 66474.2 or 65589.5., subd. (o), is subject to the Provision C.3 requirements in effect on the Permit's effective date.</p>                                                                                                                                                                                                                                                                                                 |                    |
|         | <p>ii. <b>Regulated Projects are defined in the following categories:</b></p> <p>(1) <b>Special Land Use Categories</b></p> <p>(a) <b>New Development or redevelopment projects</b> that fall into one of the categories listed below and that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site). This category includes development projects of the following four types on public or private land that fall under the planning and building authority of a Permittee, including sidewalks and any other portions of the public right of way that are developed or redeveloped as part of the project<sup>2</sup>:</p> <p>(i) Auto service facilities, described by the following Standard Industrial Classification (SIC) Codes: 5013, 5014, 5541, 7532- 7534, and 7536-7539;</p> <p>(ii) Retail gasoline outlets;</p> <p>(iii) Restaurants (SIC Code 5812); or</p> <p>(iv) Stand-alone uncovered parking lots and uncovered parking lots that are part of a development project if the parking lot creates and/or replaces 5,000 square feet or more of impervious surface. This category includes the top uncovered portion of parking structures, unless drainage from the uncovered portion is connected to the sanitary sewer along with the covered portions of the parking structure.</p> <p>(b) For redevelopment projects in the categories specified in Provision C.3.b.ii.(1)(a)(i)-(iv):</p> <p>(i) The following interior and exterior practices are excluded:</p> <p>a. Interior remodels; and</p> <p>b. Routine maintenance or repair such as roof or exterior wall surface replacement.</p> <p>(ii) The following pavement maintenance practices are excluded:</p> <p>a. Pothole and square cut patching;</p> <p>b. Overlaying existing asphalt or concrete pavement with asphalt or concrete without expanding the area of coverage;</p> <p>c. Shoulder grading;</p> <p>d. Reshaping/regrading drainage systems</p> <p>e. Crack sealing;</p> <p>f. Pavement preservation activities that do not expand the road prism;</p> <p>g. Upgrading from a bituminous surface treatment (e.g., chip seal)<sup>3</sup> with an overlay of asphalt or concrete, without expanding the area of coverage;<sup>4</sup></p> <p>h. Applying a bituminous surface treatment to existing asphalt or concrete pavement, without expanding the area of coverage; and</p> <p>i. Vegetation maintenance</p> <p>j. Laying gravel over existing gravel road, without expanding the area of coverage.</p> <p>(iii) The following pavement maintenance practices are not excluded. For Road Reconstruction Projects, these practices are included only if they trigger all criteria specified in Provision C.3.b.ii.(5), including the criteria regarding contiguity.</p> | C                  |

| Section | <p>LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY &amp; DISTRICT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|         | <p>a. Removing and replacing an asphalt or concrete pavement to the top of the base course<sup>5</sup> or lower, or repairing the pavement base (including repair of the pavement base in preparation for bituminous surface treatment, such as chip seal), as these are considered replaced impervious surfaces;</p> <p>b. Extending the pavement edge without increasing the size of the road prism, or paving graveled shoulders, as these are considered new impervious surfaces; and</p> <p>c. Resurfacing by upgrading from dirt to gravel, to a bituminous surface treatment (e.g., chip seal),<sup>3</sup> to asphalt, or to concrete; or upgrading from gravel to a bituminous surface treatment, to asphalt, or to concrete, as these are considered new impervious surfaces.</p> <p>(iv) For a project consisting of a combination of exempted pavement maintenance practices (pursuant to Provision C.3.b.ii.(1)(b)(iii)), non-exempted pavement maintenance practices (pursuant to Provision C.3.b.ii.(1)(b)(iii)), and/or practices that fall under any other Regulated Project category (pursuant to Provision C.3.b.ii.(1)-(6)), the parts of the project that are not exempt shall be evaluated as a Regulated Project.</p> <p>(c) Where a redevelopment project in the categories specified in Provision C.3.b.ii.(1)(a)(i)-(iv) results in an alteration of <b>50 percent or more</b> of the impervious surface of a previously existing development that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire redevelopment project).</p> <p>(d) Where a redevelopment project in the categories specified in Provision C.3.b.ii.(1)(a)(i)-(iv) results in an alteration of <b>less than 50 percent</b> of the impervious surface of a previously existing development that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the new and/or replaced impervious surface of the project).</p> <p>(e) The calculations in Provision C.3.b.ii.(1)(c)-(d) shall include portions of the public right of way that are developed or redeveloped as part of the Regulated Project.</p> <p><b>(2) Other Development Projects</b></p> <p>New development projects that create 5,000 square feet or more of impervious surface (collectively over the entire project site) including commercial, industrial, residential housing subdivisions (i.e., detached single-family home subdivisions, multi-family attached subdivisions (town homes), condominiums, and apartments), mixed-use, and public projects (other than public road projects), including sidewalks and any other portions of the public right of way that are developed or redeveloped as part of the projects.<sup>2</sup> This category includes development projects on public or private land that fall under the planning and building authority of a Permittee.</p> <p><b>(3) Other Redevelopment Projects</b></p> <p>Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site) including commercial, industrial, residential housing subdivisions (i.e., detached single-family home subdivisions, multi-family attached subdivisions (town homes), condominiums, and apartments), mixed-use, new and reconstructed private roads and private trails, and public projects (other than public road and trail projects),<sup>6</sup> including sidewalks and any other portions of the public right of way that are developed or redeveloped as part of the projects.<sup>2</sup> Redevelopment is any land-disturbing activity that results in the creation, addition, or replacement of exterior impervious surface area on a site on which some past development has occurred. This category includes redevelopment projects on public or private land that fall under the planning and building authority of a Permittee.</p> <p>Specific exclusions that apply to this category are listed in Provision C.3.b.ii.(1)(b). Public works projects that are additionally excluded from this category – unless they create and/or replace 5,000 contiguous<sup>8</sup> square feet or more of impervious surface – include the following examples: sidewalk gap closures,<sup>7</sup> sidewalk section replacement, and ADA curb ramps. However, as noted above, portions of the public right of way that are developed or redeveloped as part of Regulated Projects (e.g., curb extensions, pavement replacement, and curb and gutter replacement) shall be included in the total created and/or replaced impervious surface that must be treated by those Regulated Projects</p> <p>(a) Where a redevelopment project results in an alteration of 50 percent or more of the impervious surface of a previously existing development that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire redevelopment project).</p> <p>(b) Where a redevelopment results in an alteration of less than 50 percent of the impervious surface of a previously existing development that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included</p> <p>(c) The calculations in Provision C.3.b.ii.(3)(a)-(b) shall include portions of the public right of way that are developed or redeveloped as part of the Regulated Project.</p> <p><b>(4) New or Widening Road Projects</b></p> <p>Any of the following types of road projects that create 5,000 square feet or more of newly constructed contiguous<sup>8</sup> impervious surface, that are both public and private road projects, and that fall under the building and planning authority of a Permittee:</p> <p>(a) Construction of new streets or roads, including sidewalks and bicycle lanes built as part of the new streets or roads.</p> <p>(b) Widening of existing streets or roads with additional traffic lanes.</p> |                       |

| Section | <p>LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY &amp; DISTRICT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|         | <p>(i) Where the addition of traffic lanes results in an alteration of more than 50 percent of the impervious surface of an existing street or road within the project that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, shall be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire street or road that had additional traffic lanes added).</p> <p>(ii) Where the addition of traffic lanes results in an alteration of less than 50 percent of the impervious surface of an existing street or road within the project that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from only the new traffic lanes). However, if the stormwater runoff from the existing traffic lanes and the added traffic lanes cannot be separated, any onsite treatment system shall be designed and sized to treat stormwater runoff from the entire street or road. If an offsite treatment system is installed or in-lieu fees paid in accordance with Provision C.3.e, the offsite treatment system or in-lieu fees must address only the stormwater runoff from the added traffic lanes.</p> <p>(c) Construction of impervious trails that are greater than or equal to 10 feet wide or are creek-side (within 50 feet of the top of bank).</p> <p>(d) Specific exclusions to Provisions C.3.b.ii.(4)(a)-(c) include the following:</p> <p>(i) Sidewalks built as part of new streets or roads and built to direct stormwater runoff to adjacent vegetated areas</p> <p>(ii) Bicycle lanes built as part of new streets or roads, but that are not hydraulically connected to the new streets or roads and that direct stormwater runoff to adjacent vegetated areas.</p> <p>(iii) Impervious trails that direct stormwater runoff to adjacent vegetated areas, or other non-erodible permeable areas, preferably away from creeks or towards the outboard side of levees, where those areas are at least half as large as the contributing impervious surface area.</p> <p>(iv) Sidewalks, bicycle lanes, or trails constructed as pervious pavement systems.<sup>10</sup></p> <p>(v) Caltrans highway projects and associated facilities</p> <p><b>(5) Road Construction Projects</b></p> <p>Road projects that involve the reconstruction of existing streets or roads,<sup>11</sup> which create and/or replace greater than or equal to one contiguous acre of impervious surface and that are public road projects and/or fall under the building and planning authority of a Permittee, including sidewalks and bicycle lanes that are built or rebuilt as part of the existing streets or roads. This Regulated Project category includes utility trenching projects which are - on average, over the entire length of the project - greater than or equal to 8 feet wide. It also includes public pavement maintenance practices listed in Provision C.3.b.ii.(1)(b)(iii)(b).</p> <p>Project activities that are included and excluded, which apply to this category, are listed in Provision C.3.b.ii.(1)(b)(ii)-(iv). Pavement maintenance practices that are not excluded (as detailed in Provision C.3.b.ii.(1)(b)(iii)) are considered Road Reconstruction Projects if they meet the other definitions</p> <p>(a) Where the reconstruction project results in an alteration of greater than or equal to 50 percent of the impervious surface of an existing street or road within the project that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, shall be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire street or road that was reconstructed).</p> <p>(b) Where the reconstruction project results in an alteration of less than 50 percent of the impervious surface of an existing street or road within the project that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from only the new and/or replaced impervious surface within the project footprint). However, if the stormwater runoff from the existing impervious surface and the added impervious surface cannot be separated, any onsite treatment system shall be designed and sized to treat stormwater runoff from the entire street or road. If an offsite treatment system is installed or in-lieu fees paid in accordance with Provision C.3.e, the offsite treatment system or in-lieu fees must address only the stormwater runoff from the added impervious surface</p> <p>(c) Road Reconstruction Projects shall comply with Provision C.3.d. However, with cause (e.g., significantly constrained area for a BMP, substantially increased costs for that sizing relative to the Provision C.3.j.i.(2)(g) approach outlined in the Previous Permit, significant amounts of run-on from adjacent areas, or other substantial constraints identified by Permittees) and with reporting in their Annual Reports, Permittees may use the Guidance for Sizing Green Infrastructure Facilities in Streets Projects with companion analysis Green Infrastructure Facility Sizing for Non-Regulated Street Projects submitted in June 2019, to size Road Reconstruction Projects. If so, Permittees must comply with the Water Board's June 21, 2019, conditional approval of that submittal, which provides qualifiers to, and the conditions under which, the alternative sizing criteria may be used.</p> <p>(d) Permittees may credit the acreage of impervious surface created or replaced for Road Reconstruction Projects towards the Numeric Implementation retrofit requirements specified in Provision C.3.j.ii.(2).</p> <p><b>(6) Large Detached Single Family Home Projects</b></p> <p>Detached single-family home projects that create and/or replace 10,000 ft<sup>2</sup> or more of impervious surface (collectively over the entire project site) and are not part of a larger development or redevelopment plan regulated under Provision C.3.b.ii.(2)-(3).</p> <p>(a) Where a single family home project results in an alteration of 50 percent or more of the impervious surface of a previously existing project that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire project).</p> |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Responsible Agency |
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|         | <p>(b) Where a single family home project results in an alteration of less than 50 percent of the impervious surface of a previously existing project that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the new and/or replaced impervious surface of the project).</p> <p>(c) The calculations in Provision C.3.b.ii.(6)(a)-(b) shall include portions of the public right of way that are developed or redeveloped as part of the Regulated Project.</p> <p>(d) Included in this Regulated Project category is the addition of an accessory dwelling unit (ADU) on an existing parcel with one single- family home, without a subdivision.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| iii.    | <p><b>Implementation Level</b></p> <p>(1) Provision C.3.b.i shall be effective immediately.</p> <p>(2) Beginning July 1, 2023, the Regulated Project definitions in Provision C.3.b.ii are effective.</p> <p>(3) Prior to July 1, 2023, the Regulated Project definitions in Provision C.3.b.ii in Attachment I are effective, which are definitions from the Previous Permit.</p> <p>(4) For Provisions C.3.b.iii.(1)-(3), this shall include a database or equivalent tabular format that contains all the information under Reporting (Provision C.3.b.iv.).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| iv.     | <p><b>Reporting</b></p> <p><b>(1) C.3.b.i.(2) Reporting</b></p> <p>In the 2023 Annual Report, each Permittee shall provide a complete list of the development projects that are subject to the requirements of Provision C.3.b.i.(2). For each such project, the Permittee shall indicate the type of stormwater treatment system required or the specific exemption granted, pursuant to Provision C.3.b.i.(2)(a) and (b). If a Permittee has no projects subject to Provision C.3.b.i.(2), it shall so state in the 2023 Annual Report.</p> <p><b>(2) Annual Reporting - C.3.B.ii Regulated Projects</b></p> <p>For each Regulated Project approved during the fiscal year reporting period, the following information shall be reported electronically in the fiscal year Annual Report, in tabular form (as set forth in the Provision C.3.b. Sample Reporting Table included in Attachment B):</p> <p>(a) Project Name, Number, Location (cross streets), and Street Address;</p> <p>(b) Name of Developer, Phase No. (if project is being constructed in phases, each phase should have a separate entry), Project Type (e.g., commercial, industrial, multi-unit residential, mixed-use, public), and description;</p> <p>(c) Project watershed;</p> <p>(d) Total project site area and total area of land disturbed;Project Name, Number, Location (cross streets), and Street Address;</p> <p>(e) Total new impervious surface area and/or total replaced impervious surface area;</p> <p>(f) If redevelopment or road widening project, total pre-project impervious surface area and total post-project impervious surface area;Project Name, Number, Location (cross streets), and Street Address;</p> <p>(g) Status of project (e.g., application date, application deemed complete date, project approval date), and whether the project has been completed. If not, the estimated project completion date;Project Name, Number, Location (cross streets), and Street Address;</p> <p>(h) Source Control measures</p> <p>(i) Site design measures;</p> <p>(j) All post-construction stormwater treatment systems installed onsite, at a joint stormwater treatment facility, and/or at an offsite location;</p> <p>(k) Operation and maintenance responsibility mechanism for the life of the project;Project Name, Number, Location (cross streets), and Street Address;</p> <p>(l) Hydraulic Sizing Criteria used;Project Name, Number, Location (cross streets), and Street Address;</p> <p>(m) Alternative compliance measures for Regulated Project (if applicable)</p> <p>(i) If alternative compliance will be provided at an offsite location in accordance with Provision C.3.e.i.(1), include information required in Provision C.3.b.iv.(2)(a) – (l) for the offsite project; and</p> <p>(ii) If alternative compliance will be provided by paying in-lieu fees in accordance with Provision C.3.e.i.(2), provide information required in Provision C.3.b.iv.(2)(a) – (l) for the Regional Project. Additionally, provide a summary of the Regional Project’s goals, duration, estimated completion date, total estimated cost of the Regional Project, and estimated monetary contribution from the Regulated Project to the Regional Project; and</p> | C                  |



| Section      | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Responsible Agency |
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|              | (n) Hydromodification (HM) Controls (see Provision C.3.g) – If not required, state why not. If required, state control method used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>C.3.c</b> | <b>Low Impact Development (LID)</b><br>The goal of LID is to reduce runoff and mimic a site's predevelopment hydrology by minimizing disturbed areas and impervious cover and then infiltrating, storing, detaining, evapotranspiring, and/or biotreating stormwater runoff close to its source. LID employs principles such as preserving and recreating natural landscape features and minimizing imperviousness to create functional and appealing site drainage that treats stormwater as a resource, rather than a waste product. Practices used to adhere to these LID principles include measures such as rain barrels and cisterns, green roofs, permeable pavement, preserving undeveloped open space, and biotreatment through rain gardens, bioretention units, bioswales, and planter/tree                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|              | <b>i. Task Description - The Permittees shall, at a minimum, implement the following LID requirements:</b><br>(1 ) Source Control Requirements<br>Require all Regulated Projects to implement source control measures onsite that, at a minimum, shall include the following:<br>(a) Minimization of stormwater pollutants of concern in urban runoff through measures that may include plumbing of the following discharges to the sanitary sewer, subject to the local sanitary sewer agency's regulations and standards:<br><ul style="list-style-type: none"> <li>- Discharges from indoor floor mat/equipment/hood filter wash racks or covered outdoor wash racks for restaurants;</li> <li>- Dumpster drips from covered trash, food waste, and compactor enclosures;</li> <li>- Discharges from covered outdoor wash areas for vehicles, equipment, and accessories;</li> <li>- Swimming pool water, if discharge to onsite vegetated areas is not a feasible option; and</li> <li>- Fire sprinkler test water, if discharge to onsite vegetated areas is not a feasible option;</li> </ul> (b) Properly designed covers, drains, and storage precautions for outdoor material storage areas, loading docks, repair/maintenance bays, and fueling areas;<br>(c) Properly designed trash storage areas;<br>(d) Landscaping that minimizes irrigation and runoff, promotes surface infiltration, minimizes the use of pesticides and fertilizers, and incorporates other appropriate sustainable landscaping practices and programs such as Bay-Friendly Landscaping;<br>(e) Efficient irrigation systems; and<br>(f) Storm drain system stenciling or signage.<br>(2) Site Design and Stormwater Treatment Requirements<br>(a) Require each Regulated Project to implement at least the following design strategies onsite:<br>(i) Limit disturbance of natural water bodies and drainage systems; minimize compaction of highly permeable soils; protect slopes and channels; and minimize impacts from stormwater and urban runoff on the biological integrity of natural drainage systems and water bodies;<br>(ii) Conserve natural areas, including existing trees, other vegetation, and soils;<br>(iii) Minimize impervious surfaces;<br>(iv) Minimize disturbances to natural drainages; and<br>(v) Minimize stormwater runoff by implementing one or more of the following site design measures:<br><ul style="list-style-type: none"> <li>- Direct roof runoff into cisterns or rain barrels for reuse.</li> <li>- Direct roof runoff onto vegetated areas.</li> <li>- Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.</li> <li>- Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.</li> <li>- Construct sidewalks, walkways, and/or patios with pervious pavement systems.</li> <li>- Construct driveways, bike lanes, and/or uncovered parking lots with pervious pavement systems.</li> </ul> (b) Permittees shall implement the design specifications for pervious pavement systems contained within their stormwater handbooks.<br>(c) Require each Regulated Project to treat 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite or with LID treatment measures at a joint stormwater treatment facility.<br>(i) LID treatment measures are harvesting and use, infiltration, evapotranspiration, and biotreatment. | C                  |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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|         | <p>(ii) Biotreatment (or bioretention) systems shall be designed to have a surface area no smaller than what is required to accommodate a 5 inches/hour stormwater runoff surface loading rate, infiltrate runoff through biotreatment soil media at a minimum of 5 inches per hour, and maximize infiltration to the native soil during the life of the Regulated Project. The soil media for biotreatment (or bioretention) systems shall be designed to sustain healthy, vigorous plant growth and maximize stormwater runoff retention and pollutant removal. Permittees shall ensure that Regulated Projects use biotreatment soil media that meet the minimum specifications set forth in the Revised Model Biotreatment Soil Media Specifications submitted by BASMAA on behalf of the Permittees on February 5, 2016, and approved on April 18, 2016, pursuant to the requirements of Provision C.3.c.i.(2)(c)(ii) of MRP2. Permittees may collectively (on an all-Permittee scale or countywide scale) develop and adopt revisions to the soil media minimum specifications, subject to the Executive Officer's approval.</p> <p>a. The Permittees may convene a workgroup with Water Board staff to discuss and investigate the pollutant removal effectiveness and hydrologic equivalency of – and suggested criteria for – high flow-rate media treatment systems in combination with retention/detention measures, such as silva cells and structural soils, as compared to conventional bioretention. The workgroup should consider issues including: the MEP standard in relation to the use of such systems; the pollutant removal benefits and hydrologic criteria associated with the Permit's LID design approach and which are included in other MS4 permits, such as the Western Washington Phase II Municipal Stormwater Permit (NPDES Permit No. WAR045717) and the Los Angeles Regional MS4 Permit (NPDES Permit No. CAS004004); and additional issues, such as the feasibility of obtaining high flow rate media at construction and, as needed, for the life of a project.</p> <p>(iii) Alternative Treatment Systems</p> <p>Permittees may allow a Regulated Project to comply with the Provision C.3.d design volume and/or flow requirement for the approved portion (Approved Portion) using an alternative treatment system (i.e., onsite non-LID treatment systems (e.g., media filters) in combination with systems providing flow control benefit), as follows:</p> <p>a. Alternative treatment systems may be implemented in the following two geographic areas, as identified in a Countywide Hydromodification Applicability Map accepted by the Executive Officer:</p> <ol style="list-style-type: none"> <li>1.Area draining to channels that are hardened continuously from the point of discharge into the channel to San Francisco Bay or to the Pacific Ocean; and</li> <li>2. Areas draining directly into the Bay, the Ocean, or channels that are tidally influenced at the point of discharge into the channel. Before a Permittee may implement alternative treatment systems, the Permittee shall, among other requirements in this Provision C.3.c.i.(2)(c)(iii), re-submit the applicable portions of its respective Countywide Hydromodification Applicability Map to accurately identify the two geographic areas described above and the resubmitted applicable portions of the map must be accepted by the Executive Officer as accurate.</li> </ol> <p>b.Alternative treatment systems in the two geographic areas listed in Provision C.3.c.i.(2)(c)(iii)a must have an active General Use Level Designation certification for Enhanced Treatment from the Washington State Department of Ecology's Technology Assessment Protocol – Ecology (TAPE) Program.<sup>14</sup></p> <p>c. Implementation of alternative treatment systems requires a Demonstration of Technical Infeasibility that has been submitted by the Permittee to the Water Board and approved by the Executive Officer for each Regulated Project where an alternative treatment system is proposed. Permittees shall include the following documentation in the Demonstration of Technical Infeasibility:</p> <ol style="list-style-type: none"> <li>1. The technical constraints (spatial, utility, or other) to treating 100 percent of the Provision C.3.d design volume and/or flow onsite and offsite using LID and that the Regulated Project maximizes LID treatment within those constraints. This must include an assessment of the technical feasibility of incorporating all potential types and configurations of LID, including, but not limited to, the following: runoff capture and use, suspended pavement systems with the approved biotreatment soil media (e.g., Silva cells), bioretention, green roofs, pervious pavement systems, and infiltration galleries. For onsite technical infeasibility, a demonstration that the Regulated Project will implement LID in or on all potential or actual onsite landscaping opportunities and that there are no potential or actual onsite landscaping opportunities in or on which LID will not be implemented. For offsite technical infeasibility, demonstration that there are no opportunities to implement an equivalent amount of LID in the adjacent or nearby public right of way (ROW) for the Regulated Project; elsewhere in the Permittee's jurisdiction (including opportunities identified in the Permittee's GI Plan); and elsewhere in the same county (including opportunities identified in the GI Plans of other Permittees in the county).</li> <li>2. That the alternative treatment system includes flow controls that, based on monitoring and/or field studies, provide flow control benefit commensurate to the flow control benefit of LID measures had they been implemented for the project. At a minimum, this shall include consideration of vertical infiltration into soils (including soils with low infiltration rates), horizontal infiltration, evapotranspiration, and the effect of inter-event periods on antecedent soil conditions. In places where infiltration is not allowed because of permanent high groundwater (i.e., less than 10 feet below the surface) or documented existing significant soil and groundwater contamination, flow control benefits may be compared to those from lined bioretention cells.</li> </ol> <p>e. Implementation – Permittees may implement Provision C.3.c.i.(2)(c)(iii) after they have collectively submitted a Regional Guidance Document to facilitate Permittees' compliance with the Demonstration of Technical Infeasibility and with the Demonstration of Commensurate Benefit and the Executive Officer has approved the Regional Guidance Document. At a minimum, the Permittees shall include the following in the Regional Guidance Document:</p> <ol style="list-style-type: none"> <li>1.Regional guidance to ensure that Permittees and projects seeking to use alternative treatment systems comply with the requirements for the Demonstrations of Technical Infeasibility and Commensurate Benefit set forth in Provisions C.3.c.i.(2)(c)(iii)c-d;</li> <li>2.Review of data from monitoring and/or field studies, and guidance on the use of that data sufficient to demonstrate commensurate benefit;</li> </ol> |                       |

| Section                                                                | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Responsible Agency |
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|                                                                        | <p>3.Guidance on how the Demonstrations of Technical Infeasibility and Commensurate Benefit apply to different types of projects; and</p> <p>4. How Permittees will incorporate assessment of technical infeasibility and commensurate benefit into the early stages of their municipal planning processes.</p> <p>If the Permittees choose to submit a Regional Guidance Document, they must do so on or before the deadline set forth in Provision C.3.c.i.(2)(c)(iii)f.2. The Regional Guidance Document is subject to the approval of the Executive Officer. If the Executive Officer determines that the Regional Guidance Document is sufficiently detailed to enable Permittee review of Demonstrations of Technical Infeasibility and Commensurate Benefits for Regulated Projects on a consistent, objective, and rigorous basis, the Executive Officer may, in the approval of the Regional Guidance Document, allow Permittee approval of the Demonstration of Technical Infeasibility and of the Demonstration of Commensurate Benefit for Regulated Projects in lieu of the</p> <p>f. Reporting</p> <p>1.In each Annual Report, Permittees shall provide the following information for each Regulated Project that is implementing Provision C.3.c.i.(2)(c)(iii): the final percentage of LID treatment and non-LID treatment and all other information reported for Regulated Projects pursuant to Provision C.3.b.iv.</p> <p>2. If the Permittees choose to submit the Regional Guidance Document—which is a prerequisite to their implementation of Provision C.3.c.i.(2)(c)(iii)—it shall be submitted no later than with the 2025 Annual Reports.</p> <p>(iv) Green roofs may be considered biotreatment systems that treat roof runoff only if they meet certain minimum specifications. Permittees shall ensure that green roofs installed at Regulated Projects meet the following minimum specifications:</p> <p>a. The green roof system planting media shall be sufficiently deep to provide capacity within the pore space of the media for the required runoff volume specified by Provision C.3.d.i.(1).</p> <p>b.The green roof system planting media shall be sufficiently deep to support the long-term health of the vegetation selected for the green roof, as specified by a landscape architect or other knowledgeable professional.</p> |                    |
| ii.                                                                    | <p><b>Reporting</b></p> <p>(1) For specific tasks listed above that are reported using the reporting tables required for Provision C.3.b.iv, a reference to those tables will suffice.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| <b>C.3.d. Numeric Sizing Criteria for Stormwater Treatment Systems</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| i                                                                      | <p><b>Task Description</b> – The Permittees shall require that stormwater treatment systems constructed for Regulated Projects and for projects implemented pursuant to Provision C.3.j meet at least one of the following hydraulic sizing design criteria:</p> <p>(1) <b>Volume Hydraulic Design Basis</b> – Treatment systems whose primary mode of action depends on volume capacity shall be designed to treat stormwater runoff equal to:</p> <p>(a) The maximized stormwater capture volume for the area, on the basis of historical rainfall records, determined using the formula and volume capture coefficients set forth in Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998), pages 175–178 (e.g., approximately the 85th percentile 24-hour storm runoff event); or</p> <p>(b) The volume of annual runoff required to achieve 80 percent or more capture, determined in accordance with the methodology set forth in Section 5 of CASQA’s Stormwater Best Management Practice Handbook, New Development and Redevelopment (2003), using local rainfall data.</p> <p>(2) <b>Flow Hydraulic Design Basis</b> – Treatment systems whose primary mode of action depends on flow capacity shall be sized to treat:</p> <p>(a) 10 percent of the 50-year peak flow rate;</p> <p>(b) The flow of runoff produced by a rain event equal to at least two times the 85th percentile hourly rainfall intensity for the applicable area, based on historical records of hourly rainfall depths; or</p> <p>(c) The flow of runoff resulting from a rain event equal to at least 0.2 inches per hour intensity.</p> <p>(3) <b>Combination Flow and Volume Design Basis</b> – Treatment systems that use a combination of flow and volume capacity shall be sized to treat at least</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
| ii.                                                                    | <p><b>Reporting – Permittees shall use the reporting tables required in Provision C.3.b.iv.(2)</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| iii.                                                                   | <p><b>Limitations on Use of Infiltration Devices in Stormwater Treatment Systems</b></p> <p>(1) For Regulated Projects and for all projects implemented pursuant to Provision C.3.j, each Permittee shall review planned land use and proposed treatment design to verify that installed stormwater treatment systems with no under-drain, and that function primarily as infiltration devices, should not cause or contribute to the degradation of groundwater quality at project sites. An infiltration device is any structure that is designed to infiltrate stormwater into the subsurface and, as designed, bypass the natural groundwater protection afforded by surface soil. Infiltration devices include dry wells, injection wells, and infiltration trenches (includes french drains).</p> <p>(2) For any Regulated Project and for any project implemented pursuant to Provision C.3.j that includes plans to install stormwater treatment systems which function primarily as infiltration devices, the Permittee shall require that:</p> <p>(a) Appropriate pollution prevention and source control measures are implemented to protect groundwater at the project site, including the inclusion of a minimum of two feet of suitable soil to achieve a maximum 5 inches/hour infiltration rate for the infiltration system;</p> <p>(b) Adequate maintenance is provided to maximize pollutant removal capabilities;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Responsible Agency |
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|         | <p>(c) The vertical distance from the base of any infiltration device to the seasonal high groundwater mark is at least 10 feet. (Note that some locations within the Permittees' jurisdictions are characterized by highly porous soils and/or high groundwater tables. In these areas, a greater vertical distance from the base of the infiltration device to the seasonal high groundwater mark may be appropriate, and treatment system approvals should be subject to a higher level of analysis that considers the potential for pollutants (such as from onsite chemical use), the level of pretreatment to be achieved, and other similar factors in the overall analysis of groundwater safety);</p> <p>(d) Unless stormwater is first treated by a method other than infiltration, infiltration devices are not approved as treatment measures for runoff from areas of industrial or light industrial activity; areas subject to high vehicular traffic (i.e., 25,000 or greater average daily traffic on a main roadway or 15,000 or more average daily traffic on any intersecting roadway); automotive repair shops; car washes; fleet storage areas (e.g., bus, truck); nurseries; and other land uses that pose a high threat to water quality;</p> <p>(e) Infiltration devices are not placed in the vicinity of known contamination sites unless it has been demonstrated that increased infiltration will not increase leaching of contaminants from soil, alter groundwater flow conditions affecting contaminant migration in groundwater, or adversely affect remedial activities; and</p> <p>(f) Infiltration devices are located a minimum of 100 feet horizontally away from any known water supply wells, septic systems, and underground storage tanks with hazardous materials. (Note that some locations within the Permittees' jurisdictions are characterized by highly porous soils and/or high groundwater tables. In these areas, a greater horizontal distance from the infiltration device to known water supply wells, septic systems, or underground storage tanks with hazardous materials may be appropriate, and treatment system approvals should be subject to a higher level of analysis that considers the potential for pollutants (such as from onsite chemical use), the level of pretreatment to be achieved, and other similar factors in the</p>                                                                                                                                                                                                                                                                 |                    |
| iv.     | <p><b>Tree Runoff Reduction and Tree -Based Stormwater Treatment Systems</b></p> <p>(1) The Permittees collectively may submit a proposal, subject to the Executive Officer's approval, which evaluates the benefit and associated criteria of runoff reduction associated with trees with respect to treatment control sizing, which evaluates and includes as appropriate the findings of the Healthy Watersheds, Resilient Baylands project,<sup>13</sup> and which will be considered for incorporation into a subsequent Permit. Such a proposal shall characterize the multiple benefits of green infrastructure beyond standard designs (e.g., urban forestry), develop recommendations for Permittees to achieve the benefits (e.g., beneficial modifications to GI designs, guidelines for coordinating with work such as stream restoration, parks and urban forestry), and suggest opportunities to modify Provision C.3 language in a future Permit to better recognize broader benefits. The proposal may include treatment control sizing and design criteria for tree-based stormwater treatment systems in combination with systems that provide additional hydrologic benefit (such as structural soils, suspended pavement systems, or other methods to provide tree rooting volume), which provide water quality and hydrologic</p> <p>(2) Tree Interceptor Credits, as described in the 2011 BASMAA Feasibility/Infeasibility Criteria Report submitted pursuant to Provision C.3.c.i.(2)(b)(iv) of MRP 1, shall not be used to reduce the stormwater treatment required pursuant to Provision C.3.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| C.3.e.  | <p><b>Alternative or In-Lieu Compliance with Provision C.3.b.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
| i.      | <p>The Permittees may allow a Regulated Project to provide alternative compliance with Provision C.3.b in accordance with one of the two options listed below:</p> <p><b>(1) Option 1: LID Treatment at an Offsite Location</b></p> <p>Treat a portion (this portion may be zero; Permittees should treat as much onsite as possible) of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite or with LID treatment measures at a joint stormwater treatment facility and treat the remaining portion of the Provision C.3.d runoff with LID treatment measures at an Offsite Project<sup>14</sup> in the same watershed. The offsite LID treatment measures must provide hydraulically-sized treatment (in accordance with Provisions C.3.d and C.3.g, as appropriate) of an equivalent quantity of both stormwater runoff and pollutant loading and achieve a net environmental benefit.</p> <p><b>(2) Option 2: Payment of In-Lieu Fees</b></p> <p>Treat a portion (this portion may be zero; Permittees should treat as much onsite as possible) of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite or with LID treatment measures at a joint stormwater treatment facility and pay equivalent in-lieu fees<sup>15</sup> to treat the remaining portion of the Provision C.3.d runoff (and comply with Provision C.3.g, as appropriate) with LID treatment measures at a Regional Project<sup>16</sup> or Offsite Project. The Regional Project must achieve a net environmental benefit, through a net increase in impervious surface treated, and/or a net reduction in flow and/or pollutant load.</p> <p>(3) For the alternative compliance options described in Provision C.3.e.i.(1) and (2) above (Options 1 and 2), all Offsite Projects and Regional Projects must be completed within three years after the end of construction of the Regulated Project. However, the timeline for completion of an Offsite Project or Regional Project may be extended, up to five years after the completion of the Regulated Project, with prior Executive Officer approval. Executive Officer approval will be granted contingent upon a demonstration of good faith efforts to implement the Offsite Project or Regional Project, such as having funds encumbered and applying for the appropriate regulatory permits.</p> <p>(4) Reporting</p> <p>(a) Annual reporting on Alternative Compliance projects shall be done in conjunction with reporting requirements under Provision C.3.b.iv.(2).</p> |                    |
| ii.     | <p><b>Special Projects</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |

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|                                                                  | (1) When considered at the watershed scale, certain land development projects characterized as smart growth or high density can either reduce existing impervious surfaces or create less "accessory" impervious areas and automobile-related pollutant impacts. Incentive LID Treatment Reduction Credits approved by the Water Board may be applied to these Special Projects, which are Regulated Projects that meet the specific criteria listed below in Provision C.3.e.ii.(2). For any Special Project, the allowable incentive LID Treatment Reduction Credit is the maximum percentage of the amount of runoff identified in Provision C.3.d for the Special Project's drainage area that may be treated with one or a combination of the following two types of non-LID treatment systems:<br>- Tree-box-type high flowrate biofilters |  |                    |

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|         | <p>- Vault-based high flowrate media filters</p> <p>The allowed LID Treatment Reduction Credit recognizes that density and space limitations for the Special Projects identified herein may make 100% LID treatment infeasible.</p> <p>(2) Prior to granting any LID Treatment Reduction Credits, Permittees must first establish all the following:</p> <p>(a) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite;</p> <p>(b) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures offsite or paying in-lieu fees to treat 100% of the Provision C.3.d runoff with LID treatment measures at an offsite or Regional Project; and</p> <p>(c) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with some combination of LID treatment measures onsite, offsite, and/or paying in-lieu fees towards at an offsite or Regional Project. For each Special Project, a Permittee shall document the basis of infeasibility used to establish technical and/or economic infeasibility. Under Provision C.3.e.v, each Permittee is required to report on the infeasibility of 100% LID treatment in each scenario described in Provision C.3.e.ii.(2)(a)-(c) above, for each of the Special Projects for which LID Treatment Reduction Credit was applied.</p> <p>(3) Category A Special Project Criteria</p> <p>(a) To be considered a Category A Special Project, a Regulated Project must meet all of the following criteria:</p> <p>(i) Be built as part of a Permittee's stated objective to preserve or enhance a pedestrian-oriented type of urban design.</p> <p>(ii) Be located in a Permittee's designated central business district, downtown core area or downtown core zoning district, neighborhood business district or comparable pedestrian-oriented commercial district, or historic preservation site and/or district.</p> <p>(iii) Create and/or replace one half acre or less of impervious surface area.</p> <p>(iv) Include no surface parking, except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, Americans with Disabilities Act (ADA) accessibility, and passenger and freight loading zones.</p> <p>(v) Have at least 85% coverage for the entire project site by permanent structures. The remaining 15% portion of the site is to be used for safety access, parking structure entrances, trash and recycling service, utility access, pedestrian connections, public uses, landscaping, and stormwater treatment.</p> <p>(b) Any Category A Special Project may qualify for 100% LID Treatment Reduction Credit, which would allow the Category A Special Project to treat up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1).</p> <p>(4) Category B Special Project Criteria</p> <p>(a) To be considered a Category B Special Project, a Regulated Project must meet all of the following criteria:</p> <p>(i) Be built as part of a Permittee's stated objective to preserve or enhance a pedestrian-oriented type of urban design.</p> <p>(ii) Be located in a Permittee's designated central business district, downtown core area or downtown core zoning district, neighborhood business district or comparable pedestrian-oriented commercial district, or historic preservation site and/or district.</p> <p>(iii) Create and/or replace greater than one-half acre but no more than 2 acres of impervious surface area.</p> <p>(iv) Include no surface parking, except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, ADA accessibility, and passenger and freight loading zones.</p> <p>(v) Have at least 85% coverage for the entire project site by permanent structures. The remaining 15% portion of the site is to be used for safety access, parking structure entrances, trash and recycling service, utility access, pedestrian connections, public uses, landscaping, and stormwater treatment.</p> <p>(b) Any Category A Special Project may qualify for 100 percent LID Treatment Reduction Credit, which would allow the Category A Special Project to treat up to 100 percent of the amount of runoff identified in Provision C.3.d. for the Project's drainage area with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1).</p> <p>(4) Category B Special Project Criteria</p> <p>(a) To be considered a Category B Special Project, a Regulated Project must meet all of the following criteria:</p> <p>(i) Be built as part of a Permittee's stated objective to preserve or enhance a pedestrian-oriented type of urban design.</p> <p>(ii) Be located in a Permittee's designated central business district, downtown core area or downtown core zoning district, neighborhood business district or comparable pedestrian-oriented commercial district, or historic preservation site and/or district.</p> <p>(iii) Create and/or replace greater than one-half acre but no more than 2 acres of impervious surface area.</p> <p>(iv) Include no surface parking, except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, ADA accessibility, and passenger and freight loading zones.</p> <p>(v) Have at least 85 percent coverage for the entire project site by permanent structures. The remaining 15 percent portion of the site is to be used for safety access, parking structure entrances, trash and recycling service, utility access, pedestrian connections, public uses, landscaping, and stormwater treatment.</p> |                    |

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|         | <p>(b) For any Category B Special Project, the maximum LID Treatment Reduction Credit allowed is determined based on the density achieved by the Project in accordance with the criteria listed below. Density is expressed in Floor Area Ratios (FARs ) for commercial development projects, in Dwelling Units per Acre (DU/Ac) for residential development projects, and in FARs and DU/Ac for mixed-use development projects.</p> <p>(i) 50 percent Maximum LID Treatment Reduction Credit</p> <p>(a) For any commercial Category B Special Project with an FAR of at least 2:1, up to 50% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1).</p> <p>(b) For any residential Category B Special Project with a gross density<sup>24</sup> of at least 50 DU/Ac, up to 50 percent of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>(c) For any mixed use Category B Special Project with an FAR of at least 2:1 or a gross density of at least 50 DU/Ac, up to 50 percent of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>(ii) 75% Maximum LID Treatment Reduction Credit</p> <p>a. For any commercial Category B Special Project with an FAR of at least 3:1, up to 75 percent of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>b. For any residential Category B Special Project with a gross density of at least 75 DU/Ac, up to 75 percent of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>c. For any mixed-use Category B Special Project with an FAR of at least 3:1 or a gross density of at least 75 DU/Ac, up to 75 percent of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>(iii) 100% Maximum LID Treatment Reduction Credit</p> <p>(a) For any commercial Category B Special Project with an FAR of at least 4:1, up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>(b) For any residential Category B Special Project with a gross density of at least 100 DU/Ac, up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>(c) For any mixed use Category B Special Project with an FAR of at least 4:1 or a gross density of at least 100 DU/Ac, up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</p> <p>(5) Category C Special Project Criteria (Affordable Housing)</p> <p>(a) For the purposes of attributing Affordable Housing Credits, affordable housing is defined as preserved housing with deed restrictions running at least 55 years, at rent/mortgage rates (including utilities) no greater than 30 percent of the area median household income (AMI) limits adjusted for household size based on the maximum percentage of AMI for each income category, which are defined by the Federal Department of Housing and Urban Development (HUD) for affordable housing in metropolitan areas as follows: Acutely Low household incomes as 0-15 percent of AMI, Extremely Low household incomes as 16-30 percent of AMI, Very Low household incomes as 31-50 percent of AMI, Low household incomes as 51-80 percent of AMI, and Moderate household incomes as 81-120 percent of AMI.<sup>25</sup> To be considered a Category C Special Project, a Regulated Project must additionally meet both of the following:</p> <p>(i) Be primarily a residential development project,<sup>26</sup> and</p> <p>(ii) Achieve at least a gross density of 40 DU/Ac.</p> <p>(b) For any Category C Special Project, the total maximum LID Treatment Reduction Credit allowed is the sum of four different types of credits that the Category C Special Project may qualify for, namely: Affordable Housing, Location, Density, and Minimized Surface Parking Credits. The total maximum LID Treatment Reduction Credit for any Category C Special Project may not exceed 100 percent.</p> <p>(c) Affordable Housing Credits: A Category C Special Project may qualify for Affordable Housing Credits, according to the following criteria. The income limits that shall be used for these criteria are the most current Official State Income Limits (adjusted for household size, and specific to each county), which are defined on the California Department of Housing and Community Development's website.<sup>27, 28</sup> All qualifying affordable housing DUs must be preserved housing with deed restrictions running at least 55 years, at rent/mortgage rates (including utilities) no greater than 30 percent of the total household income. In each Category C Special Project, up to three DUs that are used as building manager's DUs may be exempted from the deed restriction requirement and may be excluded from the calculations described below in Provision C.3.e.ii.(5)(c)(i)-(ii). The following two steps shall be used to calculate Affordable Housing Credits:</p> <p>(i) First, the percentage of the project's DUs in each affordability category are multiplied by the respective credit multipliers, according to the table below, and rounded to the nearest whole number.</p> |                    |

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| AMI                                     | Credit Multiplier |
|-----------------------------------------|-------------------|
| Moderate (≤120% of AMI)                 | 0.20              |
| Low (≤ 80% of AMI)                      | 1.00              |
| Very Low (≤ 50% of AMI)                 | 2.00              |
| Extremely Low (≤30% of AMI)             | 3.00              |
| Acutely Low (≤15% of AMI) <sup>29</sup> | 4.00              |

(ii) Second, , the credits generated from the table above in the first step in Provision C.3.e.ii.(5)(c)(i) are summed together to produce a weighted sum and rounded to the nearest whole number. Then Affordable Housing Credit is granted according to which weighted sum range (in the table below) that whole number (X) falls into:

| Weighted Sum (whole number) | Affordable Housing Credit |
|-----------------------------|---------------------------|
| X ≤ 9%                      | 0%                        |
| 10% ≤ X ≤ 20%               | 20%                       |
| 21% ≤ X ≤ 30%               | 30%                       |
| 31% ≤ X ≤ 40%               | 40%                       |
| 41% ≤ X ≤ 50%               | 50%                       |
| 51% ≤ X ≤ 60%               | 60%                       |
| 61% ≤ X ≤ 70%               | 70%                       |
| 71% ≤ X ≤ 80%               | 80%                       |
| 81% ≤ X ≤ 90%               | 90%                       |
| 91% ≤ X                     | 100%                      |

(d) Location Credits: To qualify for any Location Credits, a Category C Special Project must first qualify for one of the Affordable Housing Credits in Provision C.3.e.ii.(5)(c).

(i) A Category C Special Project may qualify for the following Location Credits:

(d) Location Credits: To qualify for any Location Credits, a Category C Special Project must first qualify for one of the Affordable Housing Credits in Provision C.3.e.ii.(5)(c).

(i) A Category C Special Project may qualify for the following Location Credits:

- 5 percent Location Credit: Located within a ¼-mile radius of an existing or planned transit hub.
- 10 percent Location Credit: Located within a planned Priority Development Area (PDA), which is an infill development area formally designated by the Association of Bay Area Government’s/Metropolitan Transportation Commission’s FOCUS regional planning program. FOCUS is a regional incentive-based development and conservation strategy for the San Francisco Bay Area.

(ii) Only one Location Credit may be used by an individual Category C Special Project, even if the project qualifies for multiple Location Credits.

(iii) One hundred percent of a Category C Special Project’s site must be located within the ¼-mile radius of an existing or planned transit hub to qualify for the corresponding Location Credit listed above. One hundred percent of a Category C Special Project’s site must be located within a PDA to qualify for the corresponding Location Credit listed above.

(iv) Transit Dens

(e) Density Credits: To qualify for any Density Credits, a Category C Special Project must first qualify for one of the Location Credits listed in Provision C.3.e.ii.(5)( c) .

(i) A Category C Special Project that is a commercial or mixed-use development project may qualify for the following Density Credits:

- 5% Density Credit: Achieve a gross density of at least 40 DU/Ac
- 10% Density Credit: Achieve a gross density of at least 60 DU/Ac
- 15 percent Density Credit: Achieve a gross density of at least 100 DU/Ac.

(ii) Only one Density Credit may be used by an individual Category C Special Project, even if the project qualifies for multiple Density Credits.



| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Responsible Agency |
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|         | <p>(f) Minimized Surface Parking Credits: To qualify for any Minimized Surface Parking Credits, a Category C Special Project must first qualify for one of the Location Credits listed in Provision C.3.e.ii.(5) (c) .</p> <p>(i) A Category C Special Project may qualify for the following Minimized Surface Parking Credits:</p> <p>(a) 5% Minimized Surface Parking Credit: Have no surface parking except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, ADA accessibility, and passenger and freight loading zones.</p> <p>(g) Category C Special Projects receiving final discretionary approval prior to July 1, 2022, may use the Category C Special Project criteria included in the Previous Permit.</p> <p>(6) Any Regulated Project that meets all the criteria for multiple Special Projects Categories (i.e., a Regulated Project that may be characterized as a Category B or C Special Project) may only use the LID Treatment Reduction Credit allowed under one of the Special Projects Categories (i.e., a Regulated Project that may be characterized as a Category B or C Special Project may use the LID Treatment Reduction Credit allowed under Category B or Category C, but not the sum of both.).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| iii.    | <p><b>Implementation Level</b></p> <p>(1) Provisions C.3.e.i-ii supersede any Alternative Compliance Policies previously approved by the Executive Officer.</p> <p>(2) For all offsite projects and Regional Projects installed in accordance with Provision C.3.e.i-ii, the Permittees shall meet the Operation &amp; Maintenance (O&amp;M) requirements of Provision C.3.h.</p> <p>(3) Prior to July 1, 2023, Permittees shall implement Provision C.3.e.ii in Attachment I, which are requirements from the Previous Permit.</p> <p>(4) Beginning July 1, 2023, Permittees shall implement Provision C.3.e.ii.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| iv.     | <p><b>Reporting – Annual reporting shall be done in conjunction with reporting requirements under Provision C.3.b.iv.(2).</b></p> <p>Any Permittee choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e, shall include a statement to that effect in each Annual Report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| v.      | <p><b>Reporting on Special Projects</b></p> <p>(1) Permittees shall track any identified potential Special Projects, including those projects that have submitted planning applications but that have not received final discretionary approval.</p> <p>(2) In each Annual Report, Permittees shall report to the Water Board on these tracked potential Special Projects using Table 3.1 found at the end of Provision C.3. All the required column entry information listed in Table 3.1 shall be reported for each potential Special Project. Any Permittee with no Special Projects shall so state. For each Special Project listed in Table 3.1, Permittees shall include a narrative discussion of the feasibility or infeasibility of 100% LID treatment onsite, offsite, and at a Regional Project. The narrative discussion shall address each of the following:</p> <p>(a) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project’s drainage area with LID treatment measures onsite.</p> <p>(b) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project’s drainage area with LID treatment measures offsite or paying in-lieu fees to treat 100% of the Provision C.3.d runoff with LID treatment measures at a Regional Project.</p> <p>(c) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project’s drainage area with some combination of LID treatment measures onsite, offsite, and/or paying in-lieu fees towards a Regional Project. Both technical and economic feasibility or infeasibility shall be discussed, as applicable. The discussion shall also contain enough technical and/or economic detail to document the basis of infeasibility used.</p> <p>(3) Once a Special Project has final discretionary approval, it shall be reported in the Provision C.3.b. Reporting Table in the same reporting year that the project was approved. In addition to the column entries contained in the Provision C.3.b. Reporting Table in the same reporting year that the project was approved. In addition to the column entries contained in the Provision C.3.b. Reporting Table, the Permittees shall provide the following supplemental information for each approved Special Project:</p> <p>(a) Submittal Date: Date that a planning application for the Special Project was submitted.</p> <p>(b) Description: Type of project, number of floors, number of units (commercial, mixed-use, residential), type of parking, and other relevant</p> <p>(c) Site Acreage: Total site area in acres.</p> <p>(d) Total Impervious Surface Created/Replaced: The total impervious surface in acres created or replaced by the project, which is subject to the treatment requirements listed in Provision C.3.e.ii.(1).</p> <p>(e) Gross Density in DU/Ac: Number of dwelling units per acre.</p> <p>(f) Category C Projects: Number of DUs in each AMI Category: For Category C Special Projects only, the number of preserved DUs (DUs with deed restrictions running at least 55 years) that have rent/mortgage rates (including utilities) no less than 30 percent of the Moderate, Low, Very Low, and Extremely Low area median household income levels specified in Provision C.3.e.ii.(5)(c).</p> <p>(g) Density in FAR: Floor Area Ratio.</p> <p>(h) Special Project Category: For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.</p> |                    |

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|               | <p>(i) LID Treatment Reduction Credit: For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit applied. For Category C Special Projects also list the individual Affordable Housing, Location, Density, and Minimized Surface Parking Credits applied.</p> <p>(j) Stormwater Treatment Systems: List all proposed stormwater treatment systems and the corresponding percentage of the total amount of runoff identified in Provision C.3.d. for the Project's drainage area that will be treated by each treatment system.</p> <p>(k) List of Non-LID Stormwater Treatment Systems: List all non-LID stormwater treatment systems approved. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| <b>C.3.f.</b> | <b>Alternative Certification of Stormwater Treatment Systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| i.            | <b>Task Description</b> – In lieu of reviewing a Regulated Project's adherence to Provision C.3.d, a Permittee may elect to have a third party conduct detailed review and certify the Regulated Project's adherence to Provision C.3.d. The third party reviewer must be a Civil Engineer or a Licensed Architect or Landscape Architect registered in the State of California or staff of another Permittee subject to the requirements of this Permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| ii.           | <b>Implementation Level</b> – Any Permittee accepting third-party reviews must make a reasonable effort to ensure that the third party has no conflict of interest with regard to the Regulated Project in question. That is, any consultant or contractor (or his/her employees) hired to design and/or construct a stormwater treatment system for a Regulated Project shall not also be the certifying third party. The Permittee must verify that the third party certifying any Regulated Project has current training on stormwater treatment system design (within three years of the certification signature date) for water quality and understands the groundwater protection principles applicable to Regulated Project sites. Training conducted by an organization with stormwater treatment system design expertise (such as a college or university, the American Society of Civil Engineers, American Society of Landscape Architects, American Public Works Association, California Water Environment Association (CWEA), BASMAA, National Association of Flood & Stormwater Management Agencies, CASQA, or the equivalent, may be considered qualifying training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| iii.          | <b>Reporting</b> – Projects reviewed by third parties shall be noted in reporting tables for Provision C.3.b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| <b>C.3.g.</b> | <b>Hydromodification Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
| i.            | <p><b>Hydromodification Management (HM) Projects</b> are Regulated Projects that create and/or replace one acre or more of impervious surface except where one of the following applies. All HM Projects shall meet the Hydromodification Management Standard of Provision C.3.g.ii.</p> <p>(1) The post-project impervious surface area is less than, or the same as, the pre-project impervious surface area.</p> <p>(2) The project is located in a catchment that drains to a hardened (e.g., continuously lined with concrete) engineered channel or channels or enclosed pipes that extend continuously to the Bay, Delta, or flow- controlled reservoir, or drains to channels that are tidally influenced.</p> <p>(3) The project is located in a catchment or subwatershed that is highly developed (i.e., that is 70% or more impervious).<sup>30</sup> All HM Projects shall meet the HM Standard of either Provision C.3.g.ii or Provision C.3.g.iii. The Hydromodification Applicability Maps developed by the Permittees in the Alameda, Santa Clara, San Mateo, and Fairfield-Suisun Programs, and the City of Vallejo, under Order No. R2-2009-0074 remain in effect and are provided in Attachment C to this Permit. Permittees that do not have the location-based applicability criteria (Provision C.3.g.i.(2) – (3)) shown on existing maps shall develop, or cause to be developed, new maps, overlays to existing maps, or other equivalent information that demonstrates whether a project falls under one of those two criteria (whether or not areas are subject to HM requirements). Such maps, overlays, or other equivalent information shall be acceptable to the Executive Officer and shall not be effective until accepted by the Executive Officer.</p> |                    |
| ii.           | <p><b>HM Standard</b></p> <p>Stormwater discharges from HM Projects shall not cause an increase in the erosion potential of the receiving stream over the pre-project (existing) condition. Increases in runoff flow and volume shall be managed so that post-project runoff shall not exceed estimated pre-project rates and durations, where such increased flow and/or volume is likely to cause increased potential for erosion of creek beds and banks, silt pollutant generation, or other adverse impacts on beneficial uses due to increased erosive force. The demonstration that post-project stormwater runoff does not exceed estimated pre-project runoff rates and durations shall include the following:</p> <p>(1) <b>Range of Flows to Control:</b> For Alameda, Contra Costa, San Mateo, and Santa Clara Permittees, and the City of Vallejo, HM controls shall be designed such that post-project stormwater discharge rates and durations match pre-project discharge rates and durations from 10 percent of the pre-project 2-year peak flow<sup>24</sup> up to the pre-project 10-year peak flow. For Fairfield-Suisun Permittees, HM controls shall be designed such that post-project stormwater discharge rates and durations shall match from 20 percent of the 2-year peak flow up to the pre-project 10-year peak flow.</p> <p>(2) <b>Goodness of Fit Criteria:</b> The post-project flow duration curve shall not deviate above the pre-project flow duration curve by more than 10 percent over more than 10 percent of the length of the curve corresponding to the range of flows to control.</p>                                                                                                                                                         |                    |

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|         | <p>(3) <b>Standard HM Modeling:</b> Permittees shall use, or shall cause to be used, a continuous simulation hydrologic computer model to simulate pre-project and post-project runoff, or sizing factors or charts developed using such a model, to design onsite or regional HM controls. The Permittees shall compare, or shall cause to be compared, the pre-project and post-project model output for a long-term rainfall record and shall show that applicable performance criteria in C.3.g.ii.(1)-(3) above are met. HM controls designed using the Bay Area Hydrology Model (BAHM) and site-specific input data shall be considered to meet the HM Standard. Such use must be consistent with directions and options set forth in the most current BAHM User Manual. Modifications to the BAHM shall be acceptable to the Executive Officer, shall be consistent with the requirements of this Provision, and shall be reported as required below:</p> <ul style="list-style-type: none"> <li>- <b>Precipitation Data:</b> Precipitation data used in the modeling of HM controls shall, at a minimum, be 30 years of hourly rainfall data representative of the area being modeled. Where a longer rainfall record is available, the longer record shall be used.</li> <li>- <b>Calculating Post-Project Runoff:</b> Retention and detention basins shall be considered impervious surfaces for purposes of calculating post-project runoff. Pre- and post-project runoff shall be calculated and compared for the entire site, without separating or excluding areas that may be considered</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| iii.    | <p><b>HM Standard – Direct Simulation of Erosion Potential</b></p> <p>HM control shall be achieved by maintaining the erosion potential in receiving streams at a value of equal to or less than 1.0. In order to use the Provision C.3.g.iii HM Standard – Direct Simulation of Erosion Potential, for their HM Projects, the CCCWP Permittees shall distinguish the range of situations present within their jurisdictions and incorporate an associated range of sizing factors for HM controls (described below in Provision C.3.g.vi.(2)) to address that range of situations, sufficient to demonstrate that appropriately-sized HM controls in those respective situations would achieve the HM Standard. The CCCWP Permittees shall submit a Technical Report describing and justifying these criteria, subject to the Executive Officer's approval.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| iv.     | <p><b>Types of HM Controls</b></p> <p>Projects shall meet the HM Standard using any of the following HM controls or a combination thereof:</p> <p>(1) <b>Onsite HM controls</b> are flow duration control structures, LID features and facilities, and hydrologic source controls that collectively result in the HM Standard being met at the point(s) where stormwater runoff discharges from the project site.</p> <p>(2) <b>Regional HM controls</b> are flow duration control structures that collect stormwater runoff discharge from multiple projects (each of which shall incorporate hydrologic source control measures as well) and are designed such that the HM Standard is met for all the projects at the point where the regional HM control discharges.</p> <p>(3) <b>In-stream measures</b> shall be an option only where the stream, which receives runoff from the project, is already impacted by erosive flows and shows evidence of excessive sediment, erosion, deposition, or is a hardened channel. In-stream measures involve modifying the receiving stream channel slope and geometry so that the stream can convey the new flow regime without increasing the potential for erosion and aggradation. In-stream measures are intended to improve long-term channel stability and prevent erosion by reducing the erosive forces imposed on the channel boundary. In-stream measures, or a combination of in-stream and onsite controls, shall be designed to achieve the HM Standard from the point where the project(s) discharge(s) to the stream to the mouth of the stream or to achieve an equivalent degree of flow control mitigation (based on amount of impervious surface mitigated) as part of an in-stream project located in the same watershed. Designing in-stream controls requires a hydrologic and geomorphic evaluation (including a longitudinal profile) of the stream system downstream and upstream of the project. As with all in-stream activities, other regulatory permits must be obtained by the project proponent.<sup>32</sup></p> |                    |
| v.      | <p><b>Implementation Level</b></p> <p>(1) For Alameda, Santa Clara, San Mateo, and Solano Permittees, HM Projects shall meet the HM Standard in Provision C.3.g.ii immediately.</p> <p>(2) For CCCWP Permittees, HM Projects receiving final planning entitlements prior to Executive Officer approval of CCCWP's submittal pursuant to Provisions C.3.g.iii and C.3.g.vi.(2) shall use the methods and criteria specified in CCCWP's Stormwater C.3 Guidebook, 7th Edition (2017), or most current version. Subsequent to Executive Officer approval of CCCWP's submittal pursuant to Provisions C.3.g.iii and C.3.g.vi.(2), HM Projects shall use the methods and criteria specified (and/or acknowledged and approved) in the Executive Officer's approval or conditional approval of that submittal; CCCWP Permittees may alternatively implement the HM Standard in Provision C.3.g.ii.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| vi.     | <p><b>Reporting</b></p> <p>(1) New HM Applicability Maps or equivalent information prepared pursuant to Provision C.3.g.i, for those Permittees who do not have an approved Map, shall be submitted, acceptable to the Executive Officer, not later than with the 2023 Annual Report.</p> <p>(2) With the 2023 Annual Report, the CCCWP Permittees shall submit a Technical Report subject to the Executive Officer's approval, consisting of a HM Management Plan describing how the CCCW Permittees will implement the HM Standard specified in Provision C.3.g.iii. The Technical Report shall include:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |

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|               | <p>(a) A complete suite of sizing factors – for each type of HM control that may be used in the County – that is protective of all likely site and watershed characteristics, for sites with soils in Hydrologic Soil Groups (HSG) A, B, C, and D, with equations for adjustments to the sizing factors based on geographic differences (including, but not limited to, annual rainfall intensity and frequency, land use, and other hydrologic characteristics), based on the methods and criteria in the CCCWP Hydromodification Technical Report (September 29, 2017), and pursuant to the recommendations provided in the Water Board’s Response to CCCWP’s Hydromodification Management Memo of November 4, 2020 (March 19, 2021). The complete suite of sizing factors shall ensure each type of HM control achieves the Provision C.3.g.iii HM Standard. For the complete suite of sizing factors, the base case sizing factor for HM controls at sites with HSG D soils shall be 6.5 percent.<sup>33</sup></p> <p>(b) The Technical Report may optionally identify geographic areas or criteria for site-by-site determination, where the use of the prescribed methods, criteria, and suite of sizing factors may result in HM Projects failing to comply with the Provision C.3.g.iii HM Standard. For those areas, the Technical Report shall propose additional onsite mitigation measures, which when implemented in addition to the complete suite of sizing factors specified in Provision C.3.g.vi.(2)(a), ensure that HM controls achieve the Provision C.3.g.iii HM Standard. The additional onsite mitigation measures include, but are not limited to: site grading to produce self-retaining areas, specific guidance on augmentation of HM control design (e.g., increasing the size of the storage layer), and increases to the HM control sizing factors. The additional mitigation measures shall not include: reliance on land development restrictions, or on open space preservation, or on the presence of existing or future HM and LID controls located elsewhere within the catchment. The Technical Report may additionally propose alternative or supplemental methods of compliance with the Provision C.3.g.iii HM Standard, including any combination of: undersized onsite HM controls, additional new HM controls located offsite within the same catchment as the receiving stream, and in-stream controls (e.g., as described in SCVURPPP’s 2005 Hydromodification Management Plan Final Report), which when implemented together achieve the Provision C.3.g.iii HM Standard.</p> <p>(3) Reporting of HM projects shall be as described in Provision C.3.b.</p> <p>(4) Permittees allowing the use of BAHM shall report collectively, with each Annual Report, a listing, summary, and date of modifications made to the BAHM, including the technical rationale. This shall be prepared at the countywide program level and submitted on behalf of participating Permittees.</p> <p>(5) In addition, for each HM Project approved during the reporting period, Permittees shall collect and make available the following information. Information shall be reported electronically, and, where appropriate, in tabular form.</p> <ul style="list-style-type: none"> <li>- Device(s) or method(s) used to meet the HM Standard, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control(s);</li> <li>- Method used by the project proponent to design and size the device or method used to meet the HM Standard;</li> <li>- Site plans identifying impervious areas, surface flow directions for the entire site, and location(s) of HM measures;</li> <li>- For projects using standard sizing charts, a summary of sizing calculations used;</li> <li>- For projects using the BAHM, a listing of model inputs; and</li> <li>- For projects using custom modeling, a summary of the modeling calculations with a corresponding graph showing curve matching (existing, post-project, and post-project-with HM controls curves).</li> </ul> |                    |
| <b>C.3.h.</b> | <b>Operation and Maintenance of Stormwater Treatment Systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>C</b>           |
|               | <b>i. Task Description</b> – Each Permittee shall implement an Operation and Maintenance (O&M) Verification Program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|               | <p><b>ii. Implementation Level</b> – At a minimum, the O&amp;M Verification Program shall include the following elements:</p> <p>(1) Conditions of approval or other legally enforceable agreements or mechanisms for all Regulated Projects that, at a minimum, require at least one of the following from all project proponents and their successors in control of the Project or successors in fee title:</p> <p>(a) The project proponent’s signed statement accepting responsibility for the O&amp;M of the installed pervious pavement system(s) (if any), onsite, joint, and/or offsite stormwater treatment system(s), and HM control(s) (if any) until such responsibility is legally transferred to another entity;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |

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|         | <p>(b) Written conditions in the sales or lease agreements or deed for the project that requires the buyer or lessee to assume responsibility for the O&amp;M of the pervious pavement system(s) (if any), onsite, joint, and/or offsite installed stormwater treatment system(s), and HM control(s) (if any) until such responsibility is legally transferred to another entity;</p> <p>(c) Written text in project deeds, or conditions, covenants and restrictions (CCRs) for multi-unit residential projects that require the homeowners association or, if there is no association, each individual owner to assume responsibility for the O&amp;M of the installed pervious pavement system(s) (if any), onsite, joint, and/or offsite stormwater treatment system(s), and HM control(s) (if any) until such responsibility is legally transferred to another</p> <p>(d) Any other legally enforceable agreement or mechanism, such as recordation in the property deed, that assigns the O&amp;M responsibility for the installed pervious pavement system(s) (if any), onsite, joint, and/or offsite treatment system(s) and HM control(s) (if any) to the project owner(s) or the</p> <p>(2) Coordination with the appropriate mosquito and vector control agency with jurisdiction to establish a protocol for notification of installed stormwater treatment systems and HM controls.</p> <p>(3) Conditions of approval or other legally enforceable agreements or mechanisms for all Regulated Projects that require the granting of site access to all representatives of the Permittee, local mosquito and vector control agency staff, and Water Board staff, for the sole purpose of performing O&amp;M inspections of the installed pervious pavement system(s) (if any), stormwater treatment system(s) and HM control(s) (if any).</p> |                       |

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|         | <p>(4) A database or equivalent tabular format of the following:</p> <ul style="list-style-type: none"> <li>(a) All pervious pavement system(s) that total 3000 square feet or more installed at Regulated Projects, offsite, or at a Regional Project. The total square footage should not include pervious pavement systems installed as private-use patios for single family homes, townhomes, or condominiums.</li> <li>(b) All stormwater treatment systems installed onsite at Regulated Projects, offsite, or at a joint or Regional Project.</li> <li>(c) All HM controls installed onsite at Regulated Projects, offsite, or at a joint or Regional Project.</li> </ul> <p>(5) The database or equivalent tabular format required in Provision C.3.h.ii.(4) shall include the following information for each Regulated Project, offsite project, and Regional Project , and shall be made available to Water Board staff upon request:</p> <ul style="list-style-type: none"> <li>(a) Name and address of the project;</li> <li>(b) Names of the owner(s) and responsible operator(s) of the installed pervious pavement system(s) (if any), stormwater treatment system(s), and/or HM control(s);</li> <li>(c) Specific description of the location (or a map showing the location) of the installed pervious pavement system(s) (if any), stormwater treatment system(s), and HM control(s) (if any);</li> <li>(d) Date(s) that the pervious pavement system(s) (if any), stormwater treatment system(s), and HM controls (if any) was/were installed;</li> <li>(e) Description of the type and size of the pervious pavement systems (if any), stormwater treatment system(s), and HM control(s) (if any) installed;</li> <li>(f) Detailed information on O&amp;M inspections. For each inspection, include the following: <ul style="list-style-type: none"> <li>(i) Date of inspection.</li> <li>(ii) Type of inspection (e.g., installation, annual, followup, spot).</li> <li>(iii) Type(s) of pervious pavement systems inspected (e.g., pervious concrete, pervious asphalt, pervious pavers).</li> <li>(iv) Type(s) of stormwater treatment systems inspected (e.g., swale, bioretention unit, tree well) and an indication of whether the treatment system is an onsite, joint, or offsite system.</li> <li>(v) Type of HM controls inspected.</li> <li>(vi) Inspection findings or results (e.g., proper installation, proper operation and maintenance, system not operating properly because of plugging, bypass of stormwater because of improper installation or maintenance, maintenance required immediately).</li> <li>(vii) Enforcement action(s) taken, if any (e.g., verbal warning, notice of violation, compliance schedule, administrative citation, administrative order).</li> </ul> </li> </ul> <p>(6) A prioritized O&amp;M Inspection Plan for inspecting all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems and HM controls installed at Regulated Projects, offsite locations, and/or at joint or Regional Projects. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient. At a minimum, the O&amp;M Inspection Plan must specify the following for each fiscal year:</p> <ul style="list-style-type: none"> <li>(a) Inspection by the Permittee of all newly installed pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls (at Regulated Projects, offsite locations, and/or at joint or Regional Projects) at the completion of installation to ensure approved plans have been followed. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient;</li> <li>(b) Inspection by the Permittee of an average of 20 percent, but no less than 15 percent, of the total number (at the end of the preceding fiscal year) of Regulated Projects, offsite projects, or Regional Projects. Each inspection shall include inspection of all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls installed at the Regulated Project, offsite project, or Regional Project. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient;</li> <li>(c) Inspection by the Permittee of all Regulated Projects, offsite projects, or Regional Projects at least once every five years. Each inspection shall include inspection of all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls installed at the Regulated Project, offsite project, or Regional Project. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient; and</li> <li>(d) For vault-based stormwater treatment systems, Permittees may accept 3rd party inspection reports in lieu of conducting Permittee operation and maintenance inspections only if the 3rd party inspections are conducted at least annually. Information from each 3rd party inspection shall be included in the database or tabular format required in Provision C.3.h.ii.(5) and each inspection shall be clearly identified as a 3rd party inspection. Each 3rd party inspection report must clearly document the following: <ul style="list-style-type: none"> <li>(i) Name of 3rd party inspection company.</li> <li>(ii) Date of inspection.</li> </ul> </li> </ul> |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Responsible Agency |
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|         | <p>(iii) Condition of the treatment unit(s) at the time of inspection.</p> <p>(iv) Description of maintenance activities performed during the inspection.</p> <p>(v) Date- and time-stamped photographs of the inside of the vault unit(s) before and after maintenance activities.</p> <p>(7) An Enforcement Response Plan (ERP) for all operation and maintenance inspections that serves as a reference document for inspection staff so that consistent enforcement actions can be taken to bring development projects into compliance. At a minimum, the ERP must contain the following:</p> <p>(a) Enforcement Procedures – A description of the Permittee’s procedures from the discovery of problems through the confirmation of implementation of corrective actions. This shall include guidance for recognizing common problems with the different types of pervious pavement systems, stormwater treatment systems, and/or HM controls, remedies for the problems, and appropriate enforcement actions, follow-up inspections, and appropriate time periods for implementation of corrective actions, and the roles and responsibilities of staff responsible for implementing the ERP.</p> <p>(b) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools appropriate for different field scenarios of problems identified with the pervious pavement systems, stormwater treatment systems, and/or HM controls as well as for different types of inadequate response to enforcement actions taken.</p> <p>(c) Timely Correction of Identified Problems – A description of the Permittee’s procedures for assigning due dates for corrective actions. Permittees shall require timely correction of all identified problems with the pervious pavement systems, stormwater treatment systems, and/or HM controls. Corrective actions shall be implemented no longer than 30 days after a problem is identified by an inspector. Corrective actions can be temporary, in which case more time may be allowed for permanent corrective actions. If more than 30 days are required for compliance, a rationale shall be recorded in the electronic database or equivalent tabular system.</p> |                    |
|         | iii. <b>Due Date for Implementation:</b> Immediate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| iv.     | <p><b>Maintenance Approvals:</b> The Permittees shall ensure that all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls installed onsite, offsite, or at a joint or Regional Project by development proponents are properly operated and maintained for the life of the projects. In cases where the responsible party for a pervious pavement system, stormwater treatment system, or HM control has worked diligently and in good faith with the appropriate State and federal agencies to obtain approvals necessary to complete maintenance activities, but these approvals are not granted, the Permittees shall be deemed to be in compliance with Provision C.3.h. Permittees shall ensure that constructed wetlands installed by Regulated Projects and used for urban runoff treatment shall abide by the Water Board’s Resolution No. 94-102: Policy on the Use of Constructed Wetlands for Urban Runoff Pollution Control and the operation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| v.      | <p><b>Reporting</b></p> <p>(1) The database or equivalent tabular format required in Provisions C.3.b.ii.(4) and (5) shall be maintained by the Permittees. Upon request from the Executive Officer, information from this database or equivalent tabular format shall be submitted to Water Board staff for review. The requested information may include specific details on each inspection conducted within particular timeframes, such as several fiscal years.</p> <p>(2) On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting period) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. This list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.</p> <p>(3) Each Permittee shall report the following information in the Annual Report each year:</p> <p>(a) Total number of Regulated Projects in the Permittee’s database or tabular format as of the end of the reporting period (fiscal year).</p> <p>(b) Total number of Regulated Projects, offsite projects, and Regional Projects inspected during the reporting period (fiscal year).</p> <p>(c) Percentage of the total number of Regulated Projects that were inspected during the reporting period (fiscal year).</p> <p>(d) A discussion of the inspection findings for the year and any common problems encountered with various types of pervious pavement systems, treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.</p> <p>(e) A discussion of the effectiveness of the Permittee’s O&amp;M Program and any proposed changes to improve the O&amp;M Program (e.g., changes in prioritization plan or frequency of O&amp;M inspections, other changes to improve effectiveness of program).</p>                                                                                                                                                                                                                                                                                 |                    |
| C.3.i.  | <b>Required Site Design Measures for Small Development and Redevelopment Projects and Smaller Detached Single-Family Home Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
| i.      | <p><b>Task Description</b> – The Permittees shall require all development and redevelopment projects, which create and/or replace ≥ 2,500 ft<sup>2</sup> to &lt; 5,000 ft<sup>2</sup> of impervious surface, and detached single-family home projects,27 which create and/or replace ≥ 2,500 ft<sup>2</sup> to &lt; 10,000 ft<sup>2</sup> of impervious surface, to install one or more of the following site design measures:</p> <ul style="list-style-type: none"> <li>- Direct roof runoff into cisterns or rain barrels for reuse.</li> <li>- Direct roof runoff onto vegetated areas.</li> <li>- Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.</li> <li>- Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Responsible Agency |
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|         | <p>- Construct sidewalks, walkways, and/or patios with permeable surfaces.<sup>10</sup></p> <p>- Construct sidewalks, walkways, and/or patios with permeable surfaces.<sup>10</sup></p> <p>This provision applies to all development projects that require approvals and/or permits issued under the Permittees' planning, building, or other comparable authority.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| ii.     | <p><b>Implementation Level</b></p> <p>(1) Beginning July 1, 2023, Permittees shall implement Provision C.3.i.</p> <p>(2) Prior to July 1, 2023, Permittees shall implement Provision C.3.i in Attachment I, which are requirements from the Previous Permit.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| iii.    | <p><b>Reporting</b> – On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| C.3.j.  | <p><b>Green Infrastructure Planning and Implementation</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
| i.      | <p><b>Task Description</b> – The Permittees shall continue to implement their Green Infrastructure Plans (completed during the term of the Previous Permit), as may be updated and/or supplemented to comply with this Order, for the inclusion of low impact development drainage design into storm drain infrastructure on public and private lands, including streets, roads, storm drains, parking lots, building roofs, and other storm drain infrastructure</p> <p>(1) The Plans are intended to serve as an implementation guide and reporting tool during this and subsequent Permit terms to provide reasonable assurance that urban runoff TMDL wasteload allocations (e.g., for the San Francisco Bay mercury and PCBs TMDLs and the Urban Creeks Pesticides TMDL) will be met, and to set goals for reducing, over the long term, the adverse water quality impacts of urbanization and urban runoff on receiving</p> <p>(2) Over the long term, the Plans are intended to describe how the Permittees will shift their impervious surfaces and storm drain infrastructure from gray, or traditional storm drain infrastructure where runoff flows directly into the storm drain and then the receiving water, to green—that is, to a more-resilient, sustainable system that slows runoff by dispersing it to vegetated areas, harvests and uses runoff, promotes infiltration and evapotranspiration, and uses bioretention and other green infrastructure practices to clean stormwater runoff.</p> <p>(3) Green infrastructure project prioritization is described in the Green Infrastructure Plans based on local characteristics and priorities, and therefore green infrastructure projects will typically be designed to achieve multiple benefits in addition to mercury and PCBs load reduction. Furthermore, this Provision establishes a separate impervious surface retrofit requirement for other-than Regulated Projects.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| ii.     | <p><b>Implementation Level</b></p> <p><b>(1) Programmatic Implementation</b></p> <p>The Permittees shall, individually or in a coordinated manner, update and/or supplement their Green Infrastructure Plans as needed to ensure that municipal processes and ordinances allow and appropriately encourage implementation of green infrastructure, and incorporate lessons learned, by:</p> <p>(a) Revising implementation mechanisms to include consideration, or reconsideration, of cooperation with non-municipal entities such as schools on green infrastructure implementation, and otherwise updating implementation mechanisms as appropriate.</p> <p>(b) Following through with the development or updates of general plans, specific plans, urban forestry plans, climate change adaptation plans, complete streets plans and other planning documents with a green infrastructure nexus to include language which is more supportive of green infrastructure implementation, as identified by Permittees in their Green Infrastructure Plans. Upon request by Water Board staff, Permittees shall provide justifications for planning documents that they assert do not need to be updated to further support green infrastructure implementation.</p> <p>(c) Developing funding and funding mechanisms identified in the Green Infrastructure Plans, such as by working with the relevant agencies to expand the scope of transportation grants to include allocation for green infrastructure; establishing green infrastructure-based or green infrastructure-incorporating stormwater fees, including work that sets the foundation for additional future stormwater fees; establishing or increasing application review fees, and evaluating other opportunities to leverage municipal approval of private development to fund green infrastructure implementation.</p> <p>(d) Reviewing countywide green infrastructure implementation guidance documents and adapting them as necessary to account for local considerations if this has not already been completed during the Previous Permit term, and otherwise reviewing and updating general guidelines and standard specifications as appropriate.</p> <p>(e) Continuing to implement the tools developed during the Previous Permit term to track and map completed public and private green infrastructure projects, and making the information publicly available.</p> <p>(f) Continuing to adopt or amend policies, ordinances, and/or other appropriate legal mechanisms to ensure implementation of the Green Infrastructure Plan in accordance with the requirements of this Provision, as necessary.</p> <p>(g) Continuing to conduct outreach and education as follows:</p> <p>(i) Conduct public outreach on the requirements of this Provision, including outreach coordinated with adoption or revision of standard specifications and planning documents, and with the initiation and planning of infrastructure projects. Such outreach shall include general outreach and targeted outreach to and training for professionals involved in infrastructure planning and design.</p> |                    |



| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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|         | <p>(ii) Train appropriate staff, including planning, engineering, public works maintenance, finance, fire/life safety, and management staff on the requirements of this Provision and methods of implementation.</p> <p>(iii) Educate appropriate Permittee elected officials (e.g., mayors, city council members, county supervisors, district board members) on the requirements of this Provision and methods of implementation.</p> <p><b>(2) Numeric Implementation</b></p> <p>(a) By June 30, 2027, the Permittees shall implement, or cause to be implemented, green infrastructure projects within their jurisdictions which are not already defined as Regulated Projects pursuant to Provision C.3.b, such that the impervious surface retrofits listed in Table H-1 of Attachment H are achieved.</p> <p>(b) The Permittees may meet the numeric retrofit requirements listed in Table H-1 of Attachment H on a countywide basis. If Permittees within a given county do not collectively achieve their numeric retrofit requirements, each Permittee within that county shall be separately responsible for achieving its individual retrofit requirement.</p> <p>(c) Though Permittees may meet their total individual numeric retrofit requirements on a countywide basis, each Permittee shall implement, or cause to be implemented, a green infrastructure project or projects treating no less than 0.2 acres of impervious surface within its jurisdiction, where that project is not already defined as a Regulated Project pursuant to Provision C.3.b. Alternatively, a Permittee may contribute substantially to such a green infrastructure project(s) outside of its jurisdiction and within its County.</p> <p>(d) Impervious surfaces treated by non-Regulated Projects may be counted towards the numeric requirements in Table H-1 of Attachment H. Impervious surfaces treated by Regulated Projects, beyond the minimum required by Provisions C.3.c-d for such Regulated Projects, may be counted towards the numeric requirements in Table H-1 of Attachment H. If a portion of the impervious surface treated by such a Non-Regulated Project or by Regulated Projects (beyond the minimum required by Provisions C.3.c-d for such Regulated Projects) is later used as part of an Alternative Compliance exchange to offset the treatment required by a Regulated Project pursuant to Provision C.3.e.i, then that portion may no longer be counted towards the Provision C.3.j.ii.(2) retrofit requirements listed in Table H-1 of Attachment H.</p> <p>(e) Projects completed after January 1, 2021, shall be counted towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements.</p> <p>(f) Projects completed by June 30, 2027, shall be counted towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements. If a project is not completed by June 30, 2027, it may still count towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements, if it is approved and fully funded. Permittees that count such projects towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements shall certify in their Annual Reports that the projects are approved and funded by June 30, 2027.</p> <p>(g) Controls implemented to satisfy Provision C.3 requirements, including the numeric retrofit requirements specified in Provision C.3.j.ii.(2), may also be used to satisfy Provision C.11 Mercury Controls requirements, and Provision C.12 PCBs Controls requirements, as long as they satisfy the other aspects of those requirements, such as location (i.e., for PCBs, controls that are implemented in areas of old industrial land use or otherwise in areas with identified relatively high concentrations of PCBs).</p> <p>(h) Permittees may credit the acreage of impervious surface created or replaced for Regulated Road Reconstruction Projects, specified in Provision C.3.b.ii.(5), towards the Numeric Implementation retrofit requirements specified in Provision C.3.j.ii.(2).</p> <p>(i) Permittees with small rural jurisdictions (e.g., whose stormwater conveyance systems are dominated by roadside ditches) may collectively submit a proposal, subject to the Executive Officer's approval, for pilot projects investigating the use of alternative green infrastructure techniques to comply with the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements, with construction completed by June 30, 2027. If a project is not completed by June 30, 2027, it may still count towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements, if it is approved and fully funded. Permittees that count such projects towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements shall certify in their Annual Reports that the projects are approved and funded by June 30, 2027. The proposal shall include a discussion describing the small rural jurisdiction, including density, developed versus undeveloped areas, and piped stormwater conveyances versus roadside ditches.</p> <p>(j) Permittees with existing ordinances (or that adopt new ordinances by June 30, 2023) that require Regulated Projects to treat significantly more impervious surface than the minimum required by Provision C.3.c-d, may offset their Numeric Implementation retrofit requirements specified in Provision C.3.j.ii.(2) by a one-time credit of up to 25 percent, and by no greater than one acre. The claimed offset shall not reduce Permittees' Numeric Implementation retrofit requirements below 0.2 acres as specified in Provision C.3.j.ii.(2)(c). In order to claim this offset, Permittees shall submit a report subject to Executive Officer approval estimating the benefit that will be realized by the adopted ordinance(s) in the current Permit term and the subsequent Permit terms (i.e., until June 30, 2032), as specified in Provision C.3.j.v.(5). The offset claimed shall be no greater than the benefit of the offset estimated in the report. Permittees shall not use the offset prior to Executive Officer approval of the report.</p> <p><b>(3) Design and other Criteria</b> - Green infrastructure projects built pursuant to Provision C.3.j shall:</p> <p>(a) Comply with Provision C.3.c and Provisions C.3.e-h.</p> <p>(b) Comply with Provision C.3.d. With cause (e.g., significantly constrained area for a BMP, substantially increased costs for that sizing relative to the C.3.j.i.(2)(g) approach outlined in the Previous Permit, significant amounts of run-on from adjacent areas, or other substantial constraints identified by Permittees) and with reporting in their Annual Reports, Permittees may use the Guidance for Sizing Green Infrastructure Facilities in Streets Projects with companion analysis Green Infrastructure Facility Sizing for Non-Regulated Street Projects submitted in June 2019, to size Non-Regulated green streets projects. If so, Permittees must comply with the Water Board's June 21, 2019, conditional approval of that submittal, which provides qualifiers to, and the conditions under which, the alternative sizing criteria may be used for Non-Regulated green streets projects</p> |                       |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Responsible Agency |
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|         | <p><b>(4) Long-Term Green Infrastructure Implementation</b></p> <p>(a) The Permittees and their representatives may, together with Water Board staff and impartial science experts (e.g., SFEI, SFEP, U.S. EPA Region 9), collectively form a Technical Working Group (TWG) to discuss long-term green infrastructure goals and recommend long-term percentage reductions in Permittees' impervious surfaces, at individual, countywide and regional scales. The TWG should prioritize discussion of long-term green infrastructure goals for development and redevelopment projects not already captured by Provision C.3.b, and in particular, public road and right of way reconstruction projects that are not already defined as Regulated Projects by Provision C.3.b.ii.(5). The TWG should additionally review BMPs and performance metrics, and should consider linkages to climate change impacts and resiliency.</p> <p>(b) Prior to the submittal of a report containing the TWG's recommendations for long-term percentage reductions in Permittees' impervious surfaces – as prescribed by Provision C.3.j.v.(6) – the TWG should meet at a minimum biannually, and subsequent to that submittal should meet at a minimum annually.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| iii.    | <p><b>No Missed Opportunities</b></p> <p>Each Permittee Shall:</p> <p>(1) Continue to maintain a list of green infrastructure projects, public and private, that are planned for implementation during the permit term and infrastructure projects planned for implementation during the permit term that have potential for green infrastructure measures.</p> <p>(2) Submit the list with each Annual Report and a summary of planning or implementation status for each public green infrastructure project and each private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Include a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| iv.     | <p><b>Participate in Processes to Promote Green Infrastructure</b></p> <p>(1) The Permittees shall, individually or collectively, track processes, assemble and submit information, and provide informational materials and presentations as needed to assist relevant regional, State, and federal agencies to plan, design, and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects. Issues to be addressed include coordinating the timing of funding from different sources, changes to standard designs and design criteria, ranking and prioritizing projects for funding, and implementation of cooperative in-lieu</p> <p>(2) In each Annual Report, Permittees shall report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | <p><b>v. Tracking and Reporting Progress</b></p> <p>(1) The Permittees shall continue to implement the existing regionally- consistent tracking and mapping tools developed pursuant to Provision C.3.j.i.(2).(d) of the Previous Permit to track and report implementation of green infrastructure measures including treated area and connected and disconnected impervious area on both public and private parcels within their jurisdictions. The methods shall also address tracking needed to provide reasonable assurance that wasteload allocations for TMDLs, including the San Francisco Bay PCBs and mercury TMDLs, and reductions for trash, are being met. The tracking and mapping tools shall be used by Permittees to inform issues relevant to program management, such as life cycle costs, asset management, operation and maintenance frequency, and beneficial design changes.</p> <p>(a) Non-regulated green infrastructure projects built pursuant to Provision C.3.j shall be tracked and mapped in the same manner as Regulated Projects. These projects shall be reported in a separate table from Regulated Projects.</p> <p>(b) The tracking and mapping tools shall include a component that is available to the public, which is advertised on individual Permittee websites and on County stormwater program websites, and as appropriate is advertised in other locations. This component must include the following basic information: a brief description of design (e.g., whether bioretention or bioswale), location, land use type, and area treated. If the tools contain additional information which has not been made available to the public such as detailed design information, incurred or planned O&amp;M costs and O&amp;M frequency, condition assessments, and pollutant loads treated, that information shall be made available to Water Board staff upon request.</p> <p>(c) The Permittees shall certify in the 2023 Annual Reports that the tracking and mapping tools have been completed and are being implemented.</p> <p>(d) In each Annual Report, Permittees shall provide summary reports on the implementation of the tracking and mapping tools and shall provide a link to the component which is available to the public.</p> <p>(2) In the 2024 and 2026 Annual Reports, report on updates, addenda, and changes to their programmatic implementation, including, but not limited to, the items listed in Provision C.3.j.ii.(1).</p> <p>(3) In each Annual Report, Permittees shall report on progress made towards the retrofit requirements described in Provision C.3.j.ii.(2).</p> |                    |

| Section | LEGEND: C = CITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D = DISTRICT | B = BOTH CITY & DISTRICT | Responsible Agency |
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|         | <p>(4) With the 2026 Annual Reports, Permittees shall provide a summary of lessons learned to-date with regard to Provision C.3.j.ii.(1), including topics such as operation and maintenance, sizing, infiltration and other design criteria for stormwater treatment controls, implementation of tracking and mapping tools, cooperation with non-municipal entities, regional project efforts, funding initiatives and opportunities to leverage municipal approval of private development, education and outreach, and development or updates of plan documents with a green infrastructure nexus. In the summary, Permittees shall also discuss attainment of the numeric retrofit requirements prescribed in Provision C.3.j.ii.(2). In that summary, as applicable, Permittees shall report on how they have addressed deficiencies identified in Provision C.3.j.ii.(1).</p> <p>(5) Pursuant to Provision C.3.j.ii.(2)(i), Permittees whose jurisdictions are dominated by rural areas may collectively submit a proposal, subject to the Executive Officer's approval, for the use of alternative green infrastructure techniques. This proposal shall be submitted by no later than with the 2023 Annual Report.</p> <p>(6) Each Permittee that wishes to use the one-time offset specified in Provision C.3.j.ii.(2)(j) shall submit a report estimating the benefit realized by the adopted ordinance(s) in the current Permit term, and until June 30, 2032, by no later than with the 2023 Annual Report, subject to Executive Officer approval. Permittees shall not use the offset prior to Executive Officer approval of the Report. The benefit of the estimated offset shall be no less than the offset claimed during the current Permit term. In each Annual Report, each Permittee claiming the offset shall report on the acreage of retrofit produced by the implementation of the offset in that Fiscal Year, as well as the cumulative acreage of retrofit produced by the implementation of the offset up to that point in time during the current Permit term.</p> <p>(7) By no later than with the 2025 Annual Reports, the Permittees shall collectively submit a report summarizing any TWG efforts and recommendations, as specified in Provision C.3.j.ii.(4).</p> <p>(8) Pursuant to Provision C.3.j.ii.(2)(f) and Provision C.3.j.ii.(2)(i), Permittees shall certify in the 2027 Annual Report that any projects counting towards the Provision C.3.j.ii.(2) Numeric Implementation retrofit requirements, which have not been completed by June 30, 2027, have been approved and fully funded by June 30, 2027.</p> |              |                          |                    |

**Table 3.1 Standard Tracking and Reporting Form for Potential Special Projects**

| Project No. | Permittee | Address | Application Submittal Date | Description | Site Total Acreage | Total Impervious Surface Created/ Replaced | Gross Density DU/Ac | Category C Projects: Number of DUs in each AMI Category & Number of Manager's DUs | FAR | Special Project Category | LID Treatment Reduction Credit | Stormwater Treatment Systems |
|-------------|-----------|---------|----------------------------|-------------|--------------------|--------------------------------------------|---------------------|-----------------------------------------------------------------------------------|-----|--------------------------|--------------------------------|------------------------------|
|             |           |         |                            |             |                    |                                            |                     |                                                                                   |     |                          |                                |                              |
|             |           |         |                            |             |                    |                                            |                     |                                                                                   |     |                          |                                |                              |
|             |           |         |                            |             |                    |                                            |                     |                                                                                   |     |                          |                                |                              |
|             |           |         |                            |             |                    |                                            |                     |                                                                                   |     |                          |                                |                              |

**Project No.:** Number of the Special Project as it appears in Table 3.1.

**Permittee:** Name of the Permittee in whose jurisdiction the Special Project will be built.

**Address:** Address of the Special Project; if no street address, state the cross streets.

**Submittal Date:** Date that a planning application for the Special Project was submitted; if a planning application has not been submitted, include a projected application submittal date.

**Description:** Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

**Site Total Acreage:** Total site area in acres.

**Total Impervious Surface Created/Replaced:** The total impervious surfaced in acres created or replaced by the project, which is subject to the treatment requirements listed in Provision C.3.e.ii.(1).

**Gross Density in DU/Ac:** Number of dwelling units per acre.

| Section                                                                            | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Responsible Agency |
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|                                                                                    | <p><b>Category C Projects: Number of DUs in each AMI Category:</b> For Category C Special Projects only, the number of preserved DUs (DUs with deed restrictions running at least 55 years) that have rent/mortgage rates (including utilities) no less than 30 percent of the Moderate, Low, Very Low, Extremely Low, and Acutely Low area median household income levels specified in Provision C.3.e.ii.(5)(c), and the number of Manager's DUs (up to 3).</p> <p><b>FAR:</b> Floor Area Ratio.</p> <p><b>Special Project Category:</b> For each Special Project Category, indicate applicability. If a Category is applicable, list the specific criteria applied to determine applicability.</p> <p><b>LID Treatment Reduction Credit:</b> For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Affordable Housing, Location, Density, and Minimized Surface Parking Credits available.</p> <p><b>Stormwater Treatment Systems:</b> List all proposed stormwater treatment systems and the corresponding percentage of the total amount of runoff identified in Provision C.3.d. for the Project's drainage area that will be treated by each treatment system.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| <b>C.4. Industrial and Commercial Site Controls</b>                                | <p>Each Permittee shall implement an industrial and commercial site control program at all sites that could reasonably be considered to cause or contribute to pollution of stormwater runoff. Permittees shall conduct inspections, effective follow-up, and enforcement to abate potential and actual non-stormwater discharges, consistent with each respective Enforcement Response Plan. These combined efforts will prevent the discharge of pollutants and impacts to beneficial uses of receiving waters. Inspections shall confirm implementation of appropriate and effective BMPs and other pollutant controls by industrial and commercial site operators.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |
| <b>C.4.a Legal Authority for Effective Site Management</b>                         | <p>i. <b>Task Description</b> – Permittees shall have sufficient legal authority to inspect, require effective stormwater pollutant control, and implement progressively stricter enforcement to achieve expedient compliance and pollutant abatement at commercial and industrial sites within their jurisdiction.</p> <p>ii. <b>Implementation Level</b> – Permittees shall have the legal authority to oversee, inspect, and require expedient compliance and pollution abatement at all industrial and commercial sites that may be reasonably considered to cause or contribute to pollution of stormwater runoff. Permittees shall have the legal authority to require implementation of appropriate BMPs at industrial and commercial facilities to address pollutant sources associated with outdoor process and manufacturing areas; outdoor material storage areas; outdoor waste storage and disposal areas; outdoor vehicle and equipment storage and maintenance areas; outdoor parking areas and access roads; outdoor wash areas, for example, areas used to wash restaurant equipment and mats; outdoor drainage from indoor areas; rooftop equipment; vehicle fueling activities; contaminated and erodible surface areas; and other sources determined by the Permittees or the Water Board Executive Officer to have a reasonable potential to contribute to pollution of stormwater</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
| <b>C.4.b. Industrial and Commercial Business Inspection Plan (Inspection Plan)</b> | <p>i. <b>Task Description</b> – Permittees shall continue to update and implement an Inspection Plan that will serve as a prioritized inspection workplan. This Inspection Plan will allow inspection staff to categorize the commercial and industrial sites within the Permittee's jurisdiction by pollutant threat and inspection frequency, change inspection frequency based on site performance, and add and remove sites as businesses open and close.</p> <p>ii. <b>Implementation Level</b> –</p> <p>(1) Facilities to Prioritize for Inspection: Commercial and industrial facilities with the functional aspects and types described below, and other facilities identified by the Permittees as reasonably likely to contribute to pollution of stormwater runoff, shall be prioritized for inspection on the basis of the potential for water quality impact using criteria such as pollutant sources on site, use of pollutants of concern, proximity to a waterbody, and the enforcement history of potential discharges and actual discharges at the facility. Permittees may use a variety of sources to develop and update the business inspection prioritization, including, but not limited to, business license applications, tax records, and inspectors' observations. The following are some of the functional aspects of businesses and types of businesses that shall be included in the Inspection Plan:</p> <p>(a) Sites with the following functions or facilities that may be sources of pollutants when exposed to stormwater:</p> <ul style="list-style-type: none"> <li>(i) Outdoor process and manufacturing areas</li> <li>(ii) Outdoor material storage areas</li> <li>(iii) Outdoor waste storage, handling, and disposal areas</li> <li>(iv) Outdoor vehicle and equipment storage and maintenance areas</li> <li>(v) Outdoor was areas</li> <li>(vi) Outdoor drainage from indoor areas</li> <li>(vii) Fueling Areas</li> </ul> | D                  |

| Section | LEGEND: C = CITY    D = DISTRICT    B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Responsible Agency |
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|         | <p>(viii) Rooftop equipment</p> <p>(ix) Other sources determined by the Permittee or Water Board as reasonably likely to contribute to pollution of stormwater runoff.</p> <p>(b) Sites that support industrial and commercial activities that have a reasonable likelihood to be sources of pollutants to stormwater and non-stormwater discharges, including:</p> <p>(i) Industrial facilities, as defined at 40 CFR 122.26(b)(14), including facilities subject to the Statewide NPDES General Permit for Stormwater Discharges Associated with Industrial Activity (hereinafter the Industrial General Permit);</p> <p>(ii) Vehicle salvage yards;</p> <p>(iii) Metal and other recycled materials collection facilities, and waste transfer facilities;</p> <p>(iv) Vehicle mechanical repair, maintenance, fueling, or cleaning facilities;</p> <p>(v) Nurseries and greenhouses;</p> <p>(vi) Restaurants and other food service businesses at which food is prepared or that have onsite eating and drinking areas for customers;</p> <p>(vii) Supermarkets or large grocery stores with outdoor waste storage or cardboard compacting areas;</p> <p>(viii) Building trades facilities or yards, corporations yards;</p> <p>(ix) Building material retailers and storage;</p> <p>(x) Plastoc Manufacturers; and</p> <p>(xi) Other facilities designated by the Permittee or Water Board to be reasonably likely to contribute to pollution of stormwater runoff.</p> <p>(2) Inspection Plan – The Inspection Plan shall be updated annually and shall contain the following information:</p> <p>(a) A description of the process for prioritizing inspections and frequency of inspections. The prioritization criteria shall assign a more frequent inspection schedule to the highest priority facilities per Provision C.4.b.ii.(1). If any geographical areas are to be targeted for inspections due to high potential for stormwater pollution, these areas should be indicated in the Inspection Plan</p> <p>(b) Assign appropriate inspection frequency for each industrial and commercial facility based on the priority established in Provision C.4.b.ii.(2)(a), potential for contributing pollution to stormwater runoff, and commensurate with the threat to water quality.</p> <p>(c) A mechanism to include new businesses that warrant inspections.</p> <p>(d) Total number and a list of all industrial and commercial facilities requiring inspections, within each Permittee’s jurisdiction, based on the prioritization criteria established in Provision C.4.(b)ii.(2)(a). This list shall be updated annually</p> <p>(e) List of facilities scheduled for inspection each fiscal year of the MRP permit term. Each fiscal year’s inspection list shall be added to the Inspection Plan at the beginning of the fiscal year as part of the annual update. Previous fiscal years’ inspection lists shall remain in the Inspection Plan.</p> <p>(f) If a Permittee relies on multiple entities to perform business and commercial inspections, a list of the entities and their responsibilities with regard to this Permit. Describe how the Permittee oversees and coordinates the entities performing inspections and assures that all sites with the potential to pollute stormwater are inspected.</p> <p>(3) Record Keeping – For each facility identified in Provision C.4.b.ii.(2)(d), the Permittee shall maintain a database or equivalent tabular system of at least the following information:</p> <p>(a) Name and address of the business and local business operator;</p> <p>(b) A brief description of business activity or pollutant source, including SIC or NAICS code. Examples: outdoor process/manufacturing areas, outdoor material storage areas, outdoor waste storage and disposal areas, outdoor vehicle and equipment storage and maintenance areas, outdoor parking areas and access roads, outdoor wash areas, rooftop equipment, outdoor drainage from indoor areas, and use of mobile businesses for outdoor fueling,</p> <p>(c) Inspection priority and inspection frequency; and</p> <p>(d) Whether facility requires coverage under the Industrial Center Permit</p> |                    |
| iii.    | <p><b>Reporting</b></p> <p>(1) Permittees shall include the following information in the 2023 Annual Report:</p> <p>(a) A brief description of which Permittee entity or entities are responsible for reviewing and approving business license applications or a link to the Permittee’s website for business license applications</p> <p>(2) Permittees shall make the list required by Provision C.4.b.ii.(2)(d) available upon Water Board request.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Responsible Agency |
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| <b>C.4.c. Enforcement Response Plan</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| i.                                                               | <b>Task Description</b> – Each Permittee shall implement and update, as needed, its Enforcement Response Plan (ERP), a reference document to guide inspection staff in achieving timely and effective compliance from all commercial and industrial site operators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
| ii.                                                              | <b>Implementation Level</b> – The ERP shall contain the following: <p>(1) Enforcement Procedures – A description of the Permittee’s enforcement and compliance procedures, from the discovery of problems through the confirmation of implementation of corrective actions. This shall include guidance for appropriate enforcement actions, follow-up inspections, referrals to another agency, appropriate time periods for implementation of corrective actions, and the roles and responsibilities of all persons responsible for implementing the ERP.</p> <p>(2) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools for different field scenarios, including, but not limited to, potential discharges (e.g., housekeeping issues, inadequate waste or materials management, evidence of actual discharges, lack of emergency response plans, lack of BMPs, inadequate BMPs, and inappropriate BMPs); actual discharges (observed or documented flow of unauthorized, illicit, or pollutant-containing stormwater discharges to the MS4); non-compliance with previous enforcement actions; and sites with a history of potential and/or actual discharges.</p> <p>(3) Timely Correction of Potential and Actual Discharges – A description of the Permittee’s procedures for assigning due dates for corrective actions. Each Permittee shall require timely correction of all potential and actual discharges. Permittees shall require actual discharges to cease immediately. Corrective actions shall be implemented before the next rain event, and no longer than 10 business days after the potential or actual non-stormwater discharges are discovered. Corrective actions can be temporary, in which case more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, the rationale, including the expected time frame for compliance, shall be recorded in the electronic database or equivalent tabular system.</p> <p>(4) Referral and Coordination with Other Agencies – Each Permittee shall enforce its stormwater ordinances to achieve compliance at sites with observed potential and actual discharges, including compliance required by Discharge Prohibition A.1. For cases in which the Permittee’s enforcement tools are inadequate to remedy the noncompliance, the Permittee shall refer the case to the Water Board, district attorney, or other relevant agencies for additional enforcement. Permittees may also contact and coordinate with Water Board staff for joint inspections and parallel enforcement of large, complex, or noncompliant sites.</p> | B                  |
| <b>C.4.d. Inspection</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
| i.                                                               | <b>Task Description</b> – Each Permittee shall conduct inspections according to the Inspection Plan in Provision C.4.b.ii.(2) and the ERP in Provision C.4.c.ii. to enforce its ordinance to prevent stormwater pollution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| ii.                                                              | <b>Implementation Level</b> <p>(1) Inspections – Inspections shall be conducted to include at least the following activities:</p> <ul style="list-style-type: none"> <li>(a) Observations for appropriate BMPs to prevent stormwater runoff pollution, or unauthorized or illicit discharge;</li> <li>(b) Observations for evidence of unauthorized or illicit discharges, illicit connections, and potential discharge of pollutants to stormwater by the Discharger or contractors, such as and including mobile businesses, that operate on the facility;</li> <li>(c) Observations for noncompliance with Permittee ordinances and other local requirements; and</li> <li>(d) Verification of coverage under the Industrial General Permit, if applicable.</li> </ul> <p>(2) Record Keeping – Permittees shall maintain adequate records to demonstrate compliance and appropriate follow-up enforcement responses for facilities inspected. Permittees shall maintain an electronic database or equivalent tabular system that contains the following information regarding industrial and commercial site inspections:</p> <ul style="list-style-type: none"> <li>(a) Name of the facility/site inspected</li> <li>(b) Inspection date</li> <li>(c) Industrial General Permit coverage required (Yes or No)</li> <li>(d) Compliance status</li> <li>(e) Specific problems, including inadequate and ineffective BMPs</li> <li>(f) Type of enforcement (if applicable)</li> <li>(g) Problem resolution date</li> <li>(h) Additional comments</li> </ul> <p>The electronic database or equivalent tabular system and any supporting documentation shall be made readily available to Water Board staff or its representative during inspections, audits, or upon request.</p> <p>(3) Data Evaluation – Permittees shall evaluate the frequency of potential and actual non-stormwater discharges by business category. Note trends and, as needed, implement focused inspections or education in subsequent years to address trends.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| iii.                                                             | <b>Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                                  | (1) Permittees shall include the following information in each Annual Report:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | (a) Number of inspections conducted;<br><br>(b) Number of each type of enforcement action, as listed in each Permittee’s ERP, issued;<br><br>(c) Number of enforcement actions or discrete number of potential and actual discharges fully resolved within 10 working days or otherwise deemed resolved in a longer, but still timely manner; and<br><br>(d) Frequency of potential and actual non-stormwater discharges by business category.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| C.4.e. Staff Training                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Task Description</b> – Permittees shall provide focused training for industrial and commercial site inspectors and illicit discharge detection and elimination inspectors annually. Trainings may be program-wide, region-wide, or Permittee- specific.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Implementation Level</b> – At a minimum, provide inspection training, within the 5-year term of this Permit, in the following topics:<br><br>(1) Urban runoff pollution prevention;<br><br>(2) Inspection procedures;<br><br>(3) Business Inspection Plan;<br><br>(4) Enforcement Response Plan;<br><br>(5) Illicit Discharge Detection and Elimination; and<br><br>(6) Appropriate BMPs to be used at different industrial and commercial facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| iii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Reporting</b> - The Permittees shall include the following information in each Annual Report:<br><br>(1) Dates of training;<br><br>(2) Training topics covered;<br><br>(3) Total number and percentage of industrial and commercial site inspectors attending training; and<br><br>(4) Total number and percentage of illicit discharge detection and elimination inspectors attending training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| C.5. Illicit Discharge Detection and Elimination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
| The The purpose of this provision is to implement the illicit discharge prohibition and to detect and control illicit discharges not otherwise controlled under Provisions C.4. – Industrial and Commercial Site Controls, C.6. – Construction Site Controls, and C.17 – Discharges Associated with Unsheltered Homeless Populations. Permittees shall implement an illicit discharge program that includes active surveillance and centralized complaint collection and follow-up to detect and eliminate illicit discharges into the MS4. Permittees shall maintain a complaint tracking and follow-up data system as their primary accountability reporting for this provision. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| C.5.a. Legal Authority                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Task Description</b> - Permittees shall have the legal authority to prohibit and control illicit discharges and implement progressively stricter enforcement to achieve expedient compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Implementation Level</b><br><br>(1) Permittees shall have adequate legal authority to address illicit discharges to the MS4, including, but not limited to, the following:<br><br>(a) Discharges of sewage, trash, or other potentially polluting or hazardous materials;<br><br>(b) Discharges of wash water resulting from the cleaning of exterior surfaces and pavement, or the equipment and other facilities of any commercial business, or any other public or private facility, including discharges from mobile cleaning businesses;<br><br>(c) Discharges of runoff from material storage areas, including those containing chemicals, fuels, or other potentially polluting or hazardous materials;<br><br>(d) Discharges of pool or fountain water containing chlorine, biocides, or other chemicals; discharges of pool or fountain filter backwash water;<br><br>(e) Discharges of sediment, pet waste, vegetation clippings, or other landscape or construction-related wastes;<br><br>(f) Discharges of food-related wastes (e.g., grease, fish processing wastes, restaurant kitchen mat and trash bin wash water) and;<br><br>(2) Permittees shall have adequate legal authority to prohibit, discover through inspection and surveillance, and eliminate illicit connections and discharges to the MS4.<br><br>(3) Permittees shall have adequate legal authority to control the discharge of spills, dumping, or disposal of materials other than storm water to the MS4.<br><br>(4) Permittees shall have adequate legal authority to hold mobile businesses, and the businesses, property managers, property owners, and other associated entities that hire a mobile business, responsible for stormwater pollution discharged by the mobile business operating at their location. |                    |
| C.5.b. Enforcement Response Plan (ERP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
| i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Task Description</b> – Each Permittee shall implement and update, as needed, its ERP – a reference document for inspection staff to take consistent actions to achieve timely and effective abatement of illicit discharges and compliance from responsible parties.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |

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|                                                              | <p>ii. <b>Implementation Level</b> – The ERP shall contain the following:</p> <p>(1) Enforcement Procedures – A description of the Permittee’s procedures from the discovery of a problem through the confirmation of implementation of corrective actions. This shall include guidance for appropriate enforcement actions, followup inspections, referrals to another agency, appropriate time periods for implementation of corrective actions, and the roles and responsibilities of staff responsible for implementing the ERP.</p> <p>(2) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools for different field scenarios, including, but not limited to potential discharges (e.g., housekeeping issues, evidence of actual discharges, lack of BMPs, inadequate BMPs, and inappropriate BMPs), actual discharges, non-compliance with previous enforcement actions, and sites with a history of potential and/or actual discharges.</p> <p>(3) Timely Correction of Potential and Actual Discharges – A description of the Permittee’s procedures for assigning due dates for corrective actions. Each Permittee shall require timely correction of all potential and/or actual discharges. Active discharges shall be required to cease immediately. Corrective actions shall be implemented before the next rain event, but no longer than 10 business days after the potential and/or actual discharges are discovered. Corrective actions can be temporary and more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, a rationale shall be recorded in the electronic database or equivalent tabular system.</p> <p>(4) Referral and Coordination with Other Agencies – Each Permittee shall enforce its stormwater ordinances to achieve compliance at sites with observed potential and actual discharges, including compliance required by Discharge Prohibition A.1. For cases in which the Permittee’s enforcement tools are inadequate to remedy the noncompliance, the Permittee shall refer the case to the Water Board, district attorney, or other relevant agencies for additional enforcement. Permittees may also contact and coordinate with Water Board staff for joint inspections and parallel enforcement of large, complex, or noncompliant sites.</p> |                    |
| <b>C.5.c. Spill, Dumping, and Complaint Response Program</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                              | i. <b>Task Description</b> – Each Permittee shall implement a program to respond to spills, dumping, and complaints.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
|                                                              | <p>ii. <b>Implementation Level</b></p> <p>(1) Each Permittee shall have a central contact point for the public and Permittee’s staff to report spills, dumping, and complaints. At a minimum, this central contact point shall include a phone number. Permittees shall also include, as feasible, a user-friendly web address for reporting for spills and dumping or a link to a web-based reporting application.</p> <p>(2) Each Permittee shall publicize the phone number on its website, and, if used, a web reporting address or link to a web-based reporting application, to the Permittee’s staff and the public. The contact information on the Permittee’s website shall be kept up-to-date, and updated at least annually when changed. This central contact point shall be readily searchable and accessible on the Permittee’s website.</p> <p>(3) Each Permittee shall require its municipal staff conducting routine maintenance and inspection activities to report illicit discharges found during their activities to the central contact point so that illicit discharge staff can investigate and track.</p> <p>(4) Each Permittee shall maintain and update, as needed, a spill, dumping, and complaint response flow chart and/or phone tree for the staff responsible for the spill and dumping response program. At a minimum, this flow chart and/or phone tree shall identify staff or positions responsible for receiving the complaints and investigating and abating the complaints.</p> <p>(5) Each Permittee shall maintain and update, as needed, a spill, dumping, and complaint response flow chart and phone tree or contact list for internal use that shows the various responsible agencies and their contacts, who would be involved in illicit discharge incident response that goes beyond the Permittee’s immediate capabilities.</p> <p>(6) Each Permittee shall conduct reactive inspections in response to spill, dumping, and complaint reports and shall also conduct follow-up inspections, as needed, to ensure that corrective measures have been effectively implemented to achieve and maintain compliance. The start of the investigation of a spill or discharge shall not exceed 3 business days from the date the complaint was received by the Permittee. If additional time is required, the</p>                                         |                    |
|                                                              | <p>iii. <b>Reporting</b></p> <p>(1) Permittees shall provide the following information in the 2024 and 2026 Annual Reports:</p> <p>(a) The spill, dumping, and complaint reporting phone number and, if used, a web reporting address or a link to a web-based reporting application;</p> <p>(b) A screen shot of the Permittee’s website showing the central contact point; and</p> <p>(c) A discussion of how the central contact point – spill and dumping reporting phone number and, if used, the web address or web-based reporting</p> <p>(2) Copies of the phone trees and contact lists required in Provision C.5.c.ii</p> <p>(4) and (5) shall be provided as attachments to, or links in, the 2026 Annual Report. The lists may be redacted to remove references to private cell phone numbers. The unredacted phone trees and contact lists shall be made available to Water Board staff or representatives during audits or inspections, and upon request</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| <b>C.5.d. Tracking and Case Followup</b>                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|                                                              | i. <b>Task Description</b> – All incidents or discharges reported to the spill, dumping, and complaints central contact point, that might discharge into the MS4, shall be logged to track follow-up and response through problem resolution. The data collected shall be sufficient to demonstrate escalating responses for repeated problems and inter/intra-agency coordination, where appropriate. It is not necessary to track and report data according to this provision if they are tracked and reported according to State Water Resources Control Board Order No. 2006-0003-DWQ, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |



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|                                                        | <p>ii. <b>Implementation Level</b> – Maintain records for tracking and follow-up to water quality spills, dumping, and complaints that might discharge into the MS4 in an electronic database or equivalent tabular system. The water quality spills, dumping, and complaint tracking system shall contain the following</p> <p>(1) Complaint information:</p> <p>(a) Date that complaint is received by the Permittee;</p> <p>(b) Type of pollutant; and</p> <p>(c) Problem Status (potential or actual discharge).</p> <p>(2) Investigation information:</p> <p>(a) Date and time investigation of spill or discharge started;</p> <p>(b) Date and time response to illegal dumping report or complaint started;</p> <p>(c) Agency , department, or other entities responding to the complaint or discharge;</p> <p>(d) Type of Pollutant;</p> <p>(e) Identify the entered storm drain or approximate location, and/or receiving water;</p> <p>(f) Date and time abated; and</p> <p>(g) Type of enforcement based on the Permittee’s ERP.</p> <p>(3) Response to discharges or dumping associated with unsheltered populations, including those living in homeless encampments or vehicles, shall be coordinated with the Permittee’s Provision C.10 Trash Control efforts, Provision C.17 Homeless Encampment Discharge Control efforts, and other agencies and entities addressing homelessness issues, as appropriate.</p> |                    |
|                                                        | <p>iii. <b>Reporting</b></p> <p>(1) Permittees shall provide the following information in the Annual Reports:</p> <p>(a) Number of discharges reported;</p> <p>(b) Number of discharges reaching storm drains and/or receiving waters;</p> <p>(c) Number of discharges resolved in a timely manner; and</p> <p>(2) The electronic database or equivalent tabular system and supporting documentation shall be made available to Water Board staff or representatives during audits or inspections, and upon request.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>C.5.e. Control of Mobile Sources</b>                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
|                                                        | i. <b>Task Description</b> – Permittees shall have oversight and control of pollutants associated with mobile businesses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                        | ii. <b>Implementation Level</b> – Each Permittee shall implement a program to reduce the discharge of pollutants from mobile businesses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                        | (1) The program should include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|                                                        | (a) Implementation of minimum standards and BMPs for each of the various types of mobile businesses, including, but not limited to, automobile washing, vehicle fueling, power washing, steam cleaning, graffiti removal, and carpet cleaning;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|                                                        | (b) Implementation of an enforcement strategy that specifically addresses mobile businesses;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|                                                        | (c) Updating and maintaining a mobile business inventory at least annually;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|                                                        | (d) Implementation of an outreach and education strategy to mobile businesses operating within the Permittee’s jurisdiction; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | B                  |
|                                                        | (e) Inspection of mobile businesses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
|                                                        | (2) Permittees may cooperate countywide and/or region-wide with the implementation of their programs for mobile businesses, including sharing of mobile business information, BMP requirements, enforcement action information, and educational materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
|                                                        | iii. <b>Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                        | (1) In the 2026 Annual Report, each Permittee shall provide the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                        | (a) Minimum standards and BMPs for each of the various types of mobile businesses;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                        | (b) Enforcement strategy;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                        | (c) A list and summary of the countywide or regional activities conducted, including BMP requirements, enforcement action information, and educational materials (Permittees’ annual reports may refer to the countywide or regional reports for this information);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                                        | (d) A list and summary of specific outreach events and education conducted for each type of mobile business operating within the Permittee’s jurisdiction;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                        | (e) A copy of the most recent version of the mobile business inventory.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                        | (2) In each Annual Report, each Permittee shall include at least the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|                                                        | (a) The total number of inspections conducted of mobile businesses;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                                        | (b) The number of each type of mobile business inspected; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|                                                        | (c) A summary of the enforcement actions taken against mobile businesses during the reporting year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |

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| <b>C.5.f. Municipal Separate Storm Sewer System (MS4) Map</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
| i.                                                            | <b>Task Description</b> – Each Permittee shall make the current map(s) of its MS4 available to the public. Permittees shall identify information missing from the current MS4 maps and develop a plan and schedule to compile additional storm sewer system information, considering the potential to identify component locations, size or specifications, materials of construction, and condition. This information will be used to update Permittee maps and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| ii.                                                           | <b>Implementation Level</b><br><br>(1) Current MS4 Maps – Permittees shall make current maps of the MS4 publicly available, either electronically or in hard copy. Public availability shall be made through a single point of contact that is convenient for the public, such as a staffed counter or web-accessible maps. The MS4 map availability shall be publicized through Permittee directories and web pages.<br><br>(2) Updates to MS4 Maps – During the current Permit term, each Permittee shall complete the following:<br><br>(a) Determine information missing from the Permittee’s current MS4 map(s), which may include Oakland Museum watershed maps, existing MS4 maps or drawings in the Permittee files, or other storm sewer system information databases.<br><br>(b) Identify and make available upon Water Board request maps of the storm sewer system and other stormwater controls installed after publication of the Oakland Museum watershed maps within the Permittee’s jurisdictional area.<br><br>(c) Develop a plan and schedule for updating the Permittee’s storm sewer system information. Permittees or countywide stormwater programs may work together or with the Oakland Museum of California to develop a plan and schedule for updating existing information, maps, drawings, and databases. The plan will consider the potential to identify storm sewer system component locations, size or specifications, materials of construction, and |                    |
| iii.                                                          | <b>Reporting</b><br><br>(1) In the 2024 Annual Report, Permittees shall discuss how they make MS4 maps available to the public and how they publicize the availability of the MS4 maps.<br><br>(2) Submit a plan and schedule with the 2026 Annual Report to update existing storm sewer system information as described above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>C.6. Control Site Control</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                               | Each Permittee shall implement a construction site inspection and control program at all construction sites, with follow-up and enforcement consistent with each Permittee’s respective Enforcement Response Plan, to prevent construction site discharges of pollutants into the storm drains. Inspections shall confirm implementation of appropriate and effective erosion and other construction pollutant controls by construction site operators/developers. Each Permittee shall in its reporting demonstrate the effectiveness of its inspections and enforcement activities to prevent polluted construction site discharges into storm drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| <b>C.6.a. Legal Authority for Effective Site Management</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| i.                                                            | <b>Task Description</b> – Permittees shall have the authority to require effective stormwater pollutant controls to prevent discharge of pollutants into the storm drains, and to implement progressive enforcement to achieve expedient compliance and cleanup at all public and private construction sites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| ii.                                                           | <b>Implementation Level</b><br><br>(1) Permittees shall have the legal authority to require, at all construction sites year-round, effective erosion control, run-on and runoff control, sediment control, active treatment systems (as appropriate), good site management, and non-stormwater management through all phases of construction (including, but not limited to, grubbing, clearing, site grading, filling, excavation, leveling, building, landscaping, and finishing of lots) until the site is fully stabilized by landscaping or the installation of permanent erosion control measures.<br><br>(2) Permittees shall have the legal authority to oversee, inspect, and require expedient compliance and cleanup at all construction sites year-round.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| <b>C.6.b. Enforcement Response Plan (ERP)</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| i.                                                            | <b>Task Description</b> – Each Permittee shall implement and update, as needed, its ERP – a reference document for inspection staff to take consistent actions to achieve timely and effective compliance at all public and private construction sites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| ii.                                                           | <b>Implementation Level</b> – The ERP shall contain the following:<br><br>(1) Enforcement Procedures – A description of the Permittee’s procedures from discovery of problems through confirmation of implementation of corrective actions. This shall include guidance for appropriate enforcement actions, follow-up inspections, referrals to another agency, appropriate time periods for implementation of corrective actions, and the roles and responsibilities of all persons responsible for implementing the ERP.<br><br>(2) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools for different field scenarios, including, but not limited to, potential discharges (e.g., housekeeping issues, inadequate waste or materials management, evidence of actual discharges, lack of emergency response plans, lack of BMPs, inadequate BMPs, and inappropriate BMPs); actual discharges (observed or documented flow of unauthorized, illicit, or pollutant-containing stormwater discharges to the MS4); non-compliance with previous enforcement actions; and sites with a history of potential and/or actual discharges.                                                                                                                                                                                                                                                                                                       |                    |

| Section                                           | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Responsible Agency |
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|                                                   | <p>(3) Timely Correction of Potential and Actual Discharges – A description of the Permittee’s procedures for assigning due dates for corrective actions. Each Permittee shall require timely correction of all potential and actual discharges. Permittees shall require actual discharges to cease immediately. Corrective actions shall be implemented before the next rain event, and no longer than 10 business days after the potential or actual discharges are discovered. Corrective actions can be temporary, in which case more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, the rationale, including the expected time frame for compliance, shall be recorded in the electronic database or</p> <p>(4) Referral and Coordination with Other Agencies – Each Permittee shall enforce its stormwater ordinances to achieve compliance at sites with observed potential and actual discharges, including compliance required by Discharge Prohibition A.1. For cases in which the Permittee’s enforcement tools are inadequate to remedy the noncompliance, the Permittee shall refer the case to the Water Board, district attorney, or other relevant agencies for additional enforcement. Permittees may also contact and coordinate with Water Board staff for joint inspections and parallel enforcement of large, complex, or noncompliant sites.</p> |                    |
| <b>C.6.c Best Management Practices Categories</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
| i.                                                | <p><b>Task Description</b> – Permittees shall require all construction sites to have site- specific, and seasonally- and phase-appropriate, effective BMPs in the following six categories:</p> <p>(1) Erosion Control</p> <p>(2) Run-on and Runoff Control</p> <p>(3) Sediment Control, including entrance/exit and perimeter controls</p> <p>(4) Active Treatment Systems, as necessary</p> <p>(5) Good Site Management, including materials and waste management</p> <p>(6) Non-Stormwater Management</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| ii.                                               | <p><b>Implementation Level</b></p> <p>The BMPs targeting specific construction site pollutants within the six categories listed in Provision C.6.c.i. shall be site-specific. Permittees may select site-specific BMPs, or BMP combinations, from resources such as:</p> <p>(1) CASQA BMP Handbook, Construction, December 2019</p> <p>(2) Caltrans Stormwater Quality Handbooks, Construction Site Best Management Practices Manual, May 2017, and addenda</p> <p>(3) Other BMPs shown to provide equivalent or better protection</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| <b>C.6.d. Plan Approval Process</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
| i.                                                | <p><b>Task Description</b> – Permittees shall review erosion control plans for consistency with local requirements and the appropriateness and adequacy of proposed BMPs for each site before issuing grading permits for projects. Permittees shall also verify that sites disturbing one acre or more of land have filed a Notice of Intent for permit coverage under the Construction Stormwater General Permit.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| ii.                                               | <p><b>Implementation Level</b> – Before approval and issuance of local grading permits, each Permittee shall perform the following:</p> <p>(1) Review the site operator’s/developer’s erosion/pollution control plan or Stormwater Pollution Prevention Plan (SWPPP) to verify compliance with the Permittee’s grading ordinance and other local requirements. Also review the site operator’s/developer’s erosion/pollution control plan or SWPPP to verify that seasonally appropriate and effective BMPs for the six categories listed in Provision C.6.c.i. are planned.<sup>28</sup></p> <p>(2) For sites disturbing one acre or more of soil, verify that the site operators/developers have filed a Notice of Intent for permit coverage under the Construction Stormwater General Permit.</p> <p>(3) Provide construction stormwater management educational materials to site operators/developers, as appropriate.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| <b>C.6.e. Inspections</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
| i.                                                | <p><b>Task Description</b> – Permittees shall conduct inspections to determine compliance with local ordinances (grading and stormwater) and determine the effectiveness of the BMPs in the six categories listed in Provision C.6.c.i. in preventing the discharge of construction pollutants into the storm drain. Permittees shall require timely corrections of all actual and potential discharges observed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| ii.                                               | <p><b>Implementation Level</b></p> <p>(1) Wet Season Notification by September 1 of each year, each Permittee shall remind all site developers and/or owners disturbing one acre or more of</p> <p>(2) Frequency of inspections - Inspections shall be conducted monthly during the wet season at the following sites:</p> <p>(a) All construction sites disturbing one or more acre of land;</p> <p>(b) All hillside projects (based on the Permittee’s map of hillside development areas or criteria, or if the Permittee does not have a map of hillside development areas or criteria, those projects on sites with ≥15 percent slope) disturbing greater than or equal to 5,000 square feet; and</p> <p>(c) High Priority Sites – Other sites determined by the Permittee or the Water Board as significant threats to water quality. In evaluating threat to water quality, the following factors shall be considered:</p> <p>(i) Actual discharges of sediment and/or construction-related materials into storm drains and/or waterbodies.</p> <p>(ii) Evidence of sediment and/or construction-related materials discharges into storm drains and/or waterbodies.</p> <p>(iii) Illicit connections, and</p>                                                                                                                                                                                                                       |                    |

| Section                      | LEGEND: C = CITY    D = DISTRICT    B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Responsible Agency |
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|                              | <p>(iv) Potential illicit connections</p> <p>(v) Proximity to receiving waterbodies;</p> <p>(vi) Non-stormwater discharges; and</p> <p>(vii) Any other relevant factors as determined by the local agency or the Water Board.</p> <p>(3) Contents of Inspections -Inspections shall focus on the adequacy and effectiveness of the site- specific BMPs implemented for the six categories listed in Provision C.6.c.i. Permittees shall require timely corrections of all actual and potential problems observed. Inspections of construction sites shall include, but are not limited to, the following:</p> <p>(a) Assessment of compliance with Permittee's ordinances and permits related to urban runoff, including the implementation and maintenance of the verified erosion/pollution control plan or SWPPP (from Provision C.6.d.ii.(1));</p> <p>(b) Assessment of the adequacy and effectiveness of the site-specific BMPs implemented for the six categories listed in Provision C.6.c.i;</p> <p>(c) Visual observations for:</p> <p>(i) Actual discharges of sediment and/or construction-related materials into storm drains and/or waterbodies</p> <p>(ii) Evidence of sediment and/or construction-related materials discharges into storm drains and/or waterbodies.</p> <p>(iii) Illicit connections; and</p> <p>(iv) Potential Illicit connections</p> <p>(d) Education on stormwater pollution prevention, as needed.</p> <p>(4) Tracking</p> <p>All inspections shall be recorded on a written or electronic inspection form. Inspectors shall follow the ERP for all actual and potential discharges discovered during the inspection. Permittees shall track in an electronic database or tabular format all inspections. This electronic database or tabular format shall be made readily available during inspections and audits by the Water Board staff or its representatives. This electronic database or tabular format shall record the following information for each site inspection:</p> <p>(a) Site Name</p> <p>(b) Inspection date;</p> <p>(c) Weather during the inspection;</p> <p>(d) The department, agency, or other entity performing the inspection.</p> <p>(e) Enforcement Response Level (Use ERP);</p> <p>(f) Problem(s) observed using Illicit Discharge and the six BMP categories listed in Provision C.6.c.i;</p> <p>(g) Resolution of Problems noted using the following three standardized categories: Problems Fixed, Need More Time, and Escalate Enforcement; and</p> <p>(h) Comments which shall include all rationale for longer compliance times, all escalation in enforcement discussions, and any other information that may be relevant to that site inspection.</p> |                    |
| iii. <b>Reporting</b>        | <p>(1) Each Permittee shall summarize the following information in the Annual Report:</p> <p>(a) Total number of construction sites requiring inspections during at least part of the Permit year;</p> <p>(b) Total number of active hillside sites disturbing less than one acre of soil requiring inspection;</p> <p>(c) Total number of active sites disturbing one acre or more of soil;</p> <p>(d) Total number of active sites disturbing less than one acre of soil identified as High Priority sites in Provision C.6.e.ii.(2)(c) requiring inspections;</p> <p>(e) Total number of inspections conducted;</p> <p>(f) Number of enforcement actions taken by type, organized by the categories in each Permittee's ERP;</p> <p>(g) Number of illicit discharges, actual and potential, of sediment or other construction-related materials; and</p> <p>(h) Number of enforcement actions or discrete number of potential and actual discharges fully corrected prior to the next rain event, but no longer than 10 business days after the potential and actual discharges<sup>30</sup> are discovered or otherwise considered corrected in a timely, though longer period</p> <p>(2) In the 2027 Annual Report, each Permittee shall evaluate its respective electronic database or tabular format and the summaries produced in Provision C.6.e.ii.(4). This evaluation shall include findings on the program's strength, comparison to previous years' results, as well as areas that need more focused education for site owners, operators, and developers the following year.</p> <p>(3) An electronic copy of the construction site and inspection database(s) shall be made available to the Water Board during inspections, audits, or upon request.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| C.6.f. <b>Staff Training</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Responsible Agency |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
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| Section                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | i. <b>Task Description</b> – Permittees shall provide training or access to training for all staff conducting construction stormwater inspections.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | ii. <b>ImplementationLevel</b> – Permittees shall provide training at least every other year to staff responsible for conducting construction site stormwater inspections. Training topics shall include information on correct uses of specific BMPs, proper installation and maintenance of BMPs, Permit requirements, local requirements, and the ERP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | iii. <b>Reporting</b> – Permittees shall include in each Annual Report the following information:<br><br>(1) Dates of training;<br>(2) Training topics covered;<br><br>(3) Total number of inspectors, including both municipal and non-municipal staff; and<br><br>(4) The number of inspectors attending each training, including both municipal and non-municipal staff. If there was no training in that year, so state.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| C.7 Public Information and Outreach                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | Each Permittee shall increase the awareness of the community, including diverse socioeconomic groups, government elected officials and staff, and ethnic communities, regarding the impacts of stormwater pollution on receiving waters and potential solutions to mitigate these impacts; positively influence the public’s waste disposal and runoff pollution generation behavior; and involve various citizens in mitigating the impacts of stormwater pollution. Outreach required in other provisions may be conducted under Provision C.7.                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| C.7.a. Outreach Campaigns                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | i. <b>Task Description</b> – Permittees shall continue to participate in or contribute to outreach campaigns, with the goal of significantly increasing overall awareness of stormwater runoff pollution prevention messages and behavior changes in target audiences.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | B                  |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | ii. <b>Implementation Level</b><br><br>(1) Target a broad audience with a minimum of one outreach campaign with specific stormwater runoff pollution prevention messages. The outreach campaign(s) should utilize various electronic and print media, and paid and free media, including social media, as practicable, to best reach different demographics. The outreach campaign(s) may be coordinated regionally or countywide.<br><br>(2) Permittees shall conduct timely evaluations to measure the effectiveness of the outreach campaigns. Effectiveness assessment/evaluation may be done regionally or countywide.                                                                                                                                                                                                                                                                                                                           |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| C.7.b. Stormwater Pollution Prevention Education                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | i. <b>Task Description</b> – Permittees shall continue to maintain a point of contact to provide the public with stormwater pollution prevention information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | ii. <b>Implementation Level</b><br><br>(1) Each Permitteeshall place and maintain information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives on its website. In lieu of posting the detailed informational pages directly on their individual websites, Permittees may choose to provide links from their websites to the countywide program’s websites and/or websites for other collaborative efforts between Permittees. Each Permittee shall<br><br>(2) Each Permittee shall maintain and publicize one point of contact for information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives. This point of contact can be maintained individually or collectively, and Permittees may combine this function with the spill and dumping complaint central contact point required in Provision C.5 – Illicit Discharge Detection and Elimination. |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| C.7.c. Public Outreach and Citizen Involvement Events            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | i. <b>Task Description</b> – Public outreach shall include a variety of pollution prevention messages such as for car washing; proper use, storage, and disposal of vehicle waste fluids; household waste materials disposal; pesticide use; and trash. Public outreach events may include venues such as fairs, shows, workshops, and household waste collection events. Citizen involvement events may include venues such as creek/shore clean-ups, adopt-an-inlet/creek/beach programs, volunteer monitoring, storm drain inlet marking, riparian restoration activities, and community grants.                                                                                                                                                                                                                                                                                                                                                   |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
|                                                                  | ii.<br><br><b>Table 7.1 Public Outreach and Citizen Involvement Events<sup>38</sup></b> <table><tr><th>Permittee Population</th><th>Number of Events</th></tr><tr><td>&lt; 10,000</td><td>2</td></tr><tr><td>10,001– 40,000</td><td>4</td></tr><tr><td>40,001 – 100,000</td><td>5</td></tr><tr><td>100,001 – 175,000</td><td>7</td></tr><tr><td>175,001 – 250,000</td><td>8</td></tr><tr><td>&gt; 250,000</td><td>10</td></tr><tr><td>Non-population-based Permittees</td><td>6</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    | Permittee Population | Number of Events | < 10,000 | 2 | 10,001– 40,000 | 4 | 40,001 – 100,000 | 5 | 100,001 – 175,000 | 7 | 175,001 – 250,000 | 8 | > 250,000 | 10 | Non-population-based Permittees |
| Permittee Population                                             | Number of Events                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| < 10,000                                                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| 10,001– 40,000                                                   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| 40,001 – 100,000                                                 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| 100,001 – 175,000                                                | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| 175,001 – 250,000                                                | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| > 250,000                                                        | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |
| Non-population-based Permittees                                  | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                      |                  |          |   |                |   |                  |   |                   |   |                   |   |           |    |                                 |

| Section                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LEGEND: C = CITY    D = DISTRICT    B = BOTH CITY & DISTRICT | Responsible Agency |
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| <b>C.7.d. Water Stewardship Collaboration</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              | D                  |
| i.                                            | <b>Task Description</b> – Permittees shall individually or collectively collaborate with other organizations to encourage and support community watershed stewardship activities. This may include collaborating with community groups such as local watershed forums and “friends of creek” groups; encouraging and supporting the development of grassroots watershed groups; or engaging existing groups, such as neighborhood associations, in watershed stewardship activities. This may also include collaboration with other organizations that benefit the health of the watershed, such as ReScape California, or collaboration to introduce community watershed stewardship activities into organizations focused on other environmental or sustainability efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              | D                  |
| ii.                                           | <b>Implementation Level</b> – Annually demonstrate effort.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                              |                    |
| <b>C.7.e. School- Age Children Outreach</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              | B                  |
| i.                                            | <b>Task Description</b> — Permittees shall individually or collectively implement outreach activities designed to increase awareness of stormwater and/or watershed message(s) in school-aged children (K through 12).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              | B                  |
| ii.                                           | <b>Implementation Level</b> – Implement annually and demonstrate effectiveness of efforts through assessment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              |                    |
| <b>C.7.f. Outreach to Municipal Officials</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              | B                  |
| i.                                            | <b>Task Description</b> - Permittees shall conduct outreach to municipal officials. One alternative means of accomplishing this is through the use of the Nonpoint Education for Municipal Officials program (NEMO) to significantly increase overall awareness of stormwater and/or watershed message(s) among regional municipal officials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                              | B                  |
| ii.                                           | <b>Implementation Level</b> – At least once per permit cycle, or more often.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |                    |
| <b>C.7.g. Tracking and Reporting</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              | B                  |
| i.                                            | <b>Task Description</b> - Permittees shall electronically track outreach efforts in a table or spreadsheet. The tracking document should include, at a minimum:<br>(1) Outreach event or campaign type;<br>(2) Dates;<br>(3) Target Audience<br>(4) Number of participants and number of participants compared to previous events, if applicable<br>(5) Location(s) or website address, as applicable;<br>(6) Contact information for venues and coordinators, if applicable<br>(7) Materials and activities, as applicable;<br>(8) Level of effort;<br>(9) Evaluation of effectiveness;<br>(10) Lessons learned; and<br>(11) Planned changes in approach or implementation, if any.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              | B                  |
| ii.                                           | <b>Implementation Level</b> – The tracking document shall be made available to the Water Board staff during inspections, audits, or upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                              |                    |
| iii.                                          | <b>Reporting</b><br>(1) In each Annual Report, each Permittee (or the Countywide Program, if the tracking was done countywide or regionally) shall submit a table listing the types of outreach programs implemented during that Permit year along with a brief description. The table should be a cumulative table showing the number, if applicable, of each type of outreach campaigns or events occurring during each Permit year.<br><br>(2) In the 2023 Annual Report, each Permittee shall list the Permittee’s point of contact and the URL for its stormwater pollution website. The Permittee shall discuss how the point of contact and website are publicized and maintained and certify that it has a website dedicated to providing and maintaining information on stormwater issues, watershed characteristics, and stormwater pollution prevention approaches. Changes in this information shall be reported in the Annual Report for the year in which the change occurs.<br><br>(3) In the 2027 Annual Report, each Permittee (or the Countywide Program, if the effectiveness assessment/evaluation was done countywide or regionally) shall submit a summary of the effectiveness assessments/evaluations by type of outreach described in Provisions C.7.a through C.7.f. The summary shall include plans for continuing or modifying each outreach type during the next permit term. |                                                              |                    |
| <b>C.8. Water Quality Monitoring</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |                    |
| <b>C.8.a. Compliance Options</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              | B                  |

| Section | <p>LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY &amp; DISTRICT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Responsible Agency |
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|         | All Permittees shall comply with all the monitoring requirements in this Provision. Permittees may choose any of the following mechanisms, or a combination of these mechanisms, to meet the monitoring requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| i.      | <b>Regional Collaboration.</b> Permittees are encouraged to continue contributing to the Regional Monitoring Collaborative (RMC), which coordinates water quality monitoring conducted by all the Permittees. Permittees are encouraged to consider and assign additional duties to the RMC for purposes of increased efficiencies, particularly, but not limited to, reporting duties.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| ii.     | <b>Area-wide Stormwater Program.</b> Permittees may contribute to their countywide or area-wide Stormwater Program, so that the Stormwater Program conducts monitoring on behalf of its members.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| iii.    | <b>Third-party Monitoring.</b> Permittees may use data collected by a third-party organization, such as the Water Board or Department of Pesticide Regulation, to fulfill a monitoring requirement, provided the data are demonstrated to meet the data quality objectives described in Provision C.8.b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| C.8.b.  | <b>Monitoring Protocols and Data Quality</b><br>Where applicable, monitoring data must be Surface Water Ambient Monitoring Program (SWAMP) comparable. Minimum data quality shall be consistent with the latest version of the SWAMP Quality Assurance Program Plan (QAPRP) for applicable parameters, including data quality objectives, field and laboratory blanks, field duplicates, laboratory spikes, and clean techniques, using the most recent SWAMP Standard Operating Procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
| C.8.c.  | <b>San Francisco Estuary Receiving Water Monitoring</b><br>With limited exceptions, urban runoff from the Permittees' jurisdictions ultimately discharges to the San Francisco Estuary. Monitoring of the Estuary is <ul style="list-style-type: none"> <li>• Are chemical concentrations in the Estuary potentially at levels of potential concern and are associated impacts likely?</li> <li>• What are the concentrations and masses of contaminants in the Estuary and its segments?</li> <li>• What are the sources, pathways, loadings, and processes leading to contaminant related impacts in the Estuary?</li> <li>• Have the concentrations, masses, and associated impacts of contaminants in the Estuary increased or decreased?</li> <li>• What are the projected concentrations, masses, and associated impacts of contaminants in the Estuary?</li> </ul> The Permittees shall participate in implementing an Estuary receiving water monitoring program, at a minimum equivalent to the San Francisco Estuary Regional Monitoring Program by contributing their fair share financially on an annual basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
| C.8.d.  | <b>Low Impact Development (LID) Monitoring</b><br>LID Monitoring is intended to measure compliance and effectiveness of LID controls. It will improve the understanding of the benefit of LID implementation, in particular, green stormwater infrastructure, on pollutant loading and hydrology of receiving waters within Permittees' jurisdictions, at different space and time scales, and inform the design, construction, operation and maintenance (O&M) and future implementation of LID. LID Monitoring may also be used to calibrate and validate models that estimate pollutant removal effectiveness and inform sizing of LID facilities (e.g., countywide C.3 technical guidance documents, reasonable assurance analysis models, and other sizing and assessment models). LID Monitoring is intended to answer both of the following two management questions: <ul style="list-style-type: none"> <li>• What are the pollutant removal and hydrologic benefits, such as addressing impacts associated with hydromodification, of different types of LID facilities, systems, components, and design variations, at different spatial scales (e.g., single control vs watershed or catchment scale), and how do they change over time?</li> <li>• What are the minimum levels of O&amp;M necessary to avoid deteriorated LID facilities, systems, and components that reduce pollutant removal and hydrologic performance?</li> </ul>                                                                                                                                                                                                          | D                  |
| i.      | <b>LID Monitoring Plans</b><br>(1) The Permittees shall, at the regional or countywide level, develop LID Monitoring Plans to implement the requirements in Provision C.8.d.iii-iv. The LID Monitoring Plans shall, at a minimum: <ol style="list-style-type: none"> <li>Explain how the study(s) will address both management questions and propose monitoring questions necessary that will address both management questions.</li> <li>Describe the LID facility(s) or system(s) and study area(s), including the characteristics, land use and management actions within the tributary drainage area to the LID facility(s) or system(s) that will be monitored.</li> <li>List the monitoring stations, monitoring parameters, and associated measurement, sample and analytical methods that will be utilized.</li> <li>Establish a monitoring schedule, including number and type (wet weather and dry weather) of monitoring events for each site, that may result in a greater number of total and/or annual monitoring events than the minimum required in Table 8.d.2, and including a discussion of the allocation of samples between and within sites.</li> <li>Describe the data evaluation methods, such as statistical analyses to test whether differences in concentrations are statistically significant.</li> <li>Include study-specific Quality Assurance Project Plans (QAPPs), which, at a minimum, are comparable to the SWAMP QAPRP.</li> <li>Provide annual cost estimates for the implementation of the LID Monitoring Plan.</li> <li>Explain how sampling and analytical methodologies will be regionally consistent.</li> </ol> | D                  |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Responsible Agency |
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|                                                                  | (2) Permittees shall implement no later than the deadline set forth in Provision C.8.d.v, the approved or conditionally approved LID Monitoring Plans as meeting the requirements herein (including consideration of countywide and regional representativeness and whether the information generated will reliably address the LID Monitoring management questions).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| ii.                                                              | <b>Regional Collaboration</b><br>To assist with the development and implementation of scientifically-sound LID Monitoring Plans, to facilitate regional consistency with respect to sampling and analytical methodology, and to make recommendations about allocation of samples between and within different sites, the Permittees shall form and convene a Technical Advisory Group (TAG) which includes impartial science advisors (e.g., SFEI, SCCWRP) and Water Board staff, to review and make recommendations regarding the LID Monitoring Plans (including their study design, analysis methods, results, and conclusions) prior to submission of the LID Monitoring Plans to the Executive Officer. In order to effectuate this review, the Permittees shall submit their draft LID Monitoring Plans to the TAG by March 1, 2023. Prior to the Executive Officer's approval or conditional approval of the LID Monitoring Plans, the TAG shall be convened at least biannually. Thereafter, it shall be convened at least annually to provide continued feedback regarding the implementation of Provision C.8.d, including but not limited to study design, sample locations, and analysis methods. | D                  |
| iii.                                                             | <b>Methods</b><br>Permittees shall implement or cause to be implemented the LID effectiveness monitoring methods listed in Table 8.d.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |



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| iv.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Parameters and Intensities</b><br>(1) Permittees shall conduct LID Monitoring consistent with the parameters and intensities specified in Table 8.d.2.<br>(2) Monitoring must be conducted according to test procedures in 40 CFR part 136 for analyses of pollutants unless another method is required under 40 CFR chapter 1, subchapter N. For PFAS, if there are no standard methods in 40 CFR part 136, Permittees may use other methods, such as those recommended by U.S. EPA for non-potable water and other environmental media.<br>(3) In a given water year, if there are not enough storm events for Permittees to sample (i.e., due to weather/climate), Permittees may certify that in their subsequent LID Monitoring Status Report and perform the missed sample events in the subsequent water year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |  |                          |  |                    |                                    |  |                     |                    |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | v. <b>Implementation Level</b> – Permittees shall begin implementation of the approved or conditionally approved LID Monitoring Plans by no later than the start of the 2024 Water Year, which is October 1, 2023.                                                                                                                                                                                                                                                                                                                                    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| <table><tr><th colspan="2">Table 8.d.1 LID Monitoring Methods</th></tr><tr><th>Management Question</th><th>Monitoring Methods</th></tr><tr><td>1 What are the pollutant removal and hydrologic benefits of LID components, facilities and/or systems (and of different combinations of components, facilities and/or systems), including variations in design and how do they change over time?</td><td><p>Monitoring methods to investigate pollutant removal benefits shall consist of:</p><ul style="list-style-type: none"><li>• Required: Collection and analysis of the parameters listed in Table 8.d.2, in stormwater influent and effluent (simultaneously) – using automated samplers to collect flow-weighted composite EMCs (time-weighted composites are allowed if they have many subsamples and can be closely approximated as flow-weighted composites) – at the component, facility, site, and/or watershed scale; and</li><li>• Optional: sampling of sediment and other technically sound and accepted monitoring methods designed to investigate pollutant removal benefits.</li></ul><p>Monitoring methods to investigate hydrologic performance (flow) shall consist of:</p><ul style="list-style-type: none"><li>• Required: Measurement of stormwater runoff quantity and/or flow at the component, facility, site and/or watershed scale, in both the influent and effluent of the LID BMP(s).</li><li>• Optional: Measurement of stream flow to evaluate watershed scale benefits; development of runoff hydrographs; water balance monitoring; collection and analysis of infiltration rates or water depth at the facility and/or site scale; or other technically sound and accepted monitoring methods designed to investigate hydrologic performance.</li></ul><p>Monitoring methods to investigate changes over time include:</p><ul style="list-style-type: none"><li>• Longitudinal study(s), using the above monitoring methods applied at the component, facility, and/or system scales, over different time scales.</li></ul></td></tr><tr><td>2 What are the minimum levels of O&amp;M necessary to avoid deteriorated LID facilities, systems, and components that reduce pollutant removal and hydrologic performance?</td><td><ul style="list-style-type: none"><li>• Monitoring methods assigned to Management Question 1 above, applied at the component, facility, system, and/or site scale; and</li><li>• Condition assessments at the component, facility, system, and/or site scale.</li></ul></td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |  |                          |  |                    | Table 8.d.1 LID Monitoring Methods |  | Management Question | Monitoring Methods | 1 What are the pollutant removal and hydrologic benefits of LID components, facilities and/or systems (and of different combinations of components, facilities and/or systems), including variations in design and how do they change over time? | <p>Monitoring methods to investigate pollutant removal benefits shall consist of:</p> <ul style="list-style-type: none"><li>• Required: Collection and analysis of the parameters listed in Table 8.d.2, in stormwater influent and effluent (simultaneously) – using automated samplers to collect flow-weighted composite EMCs (time-weighted composites are allowed if they have many subsamples and can be closely approximated as flow-weighted composites) – at the component, facility, site, and/or watershed scale; and</li><li>• Optional: sampling of sediment and other technically sound and accepted monitoring methods designed to investigate pollutant removal benefits.</li></ul> <p>Monitoring methods to investigate hydrologic performance (flow) shall consist of:</p> <ul style="list-style-type: none"><li>• Required: Measurement of stormwater runoff quantity and/or flow at the component, facility, site and/or watershed scale, in both the influent and effluent of the LID BMP(s).</li><li>• Optional: Measurement of stream flow to evaluate watershed scale benefits; development of runoff hydrographs; water balance monitoring; collection and analysis of infiltration rates or water depth at the facility and/or site scale; or other technically sound and accepted monitoring methods designed to investigate hydrologic performance.</li></ul> <p>Monitoring methods to investigate changes over time include:</p> <ul style="list-style-type: none"><li>• Longitudinal study(s), using the above monitoring methods applied at the component, facility, and/or system scales, over different time scales.</li></ul> | 2 What are the minimum levels of O&M necessary to avoid deteriorated LID facilities, systems, and components that reduce pollutant removal and hydrologic performance? | <ul style="list-style-type: none"><li>• Monitoring methods assigned to Management Question 1 above, applied at the component, facility, system, and/or site scale; and</li><li>• Condition assessments at the component, facility, system, and/or site scale.</li></ul> |
| Table 8.d.1 LID Monitoring Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| 1 What are the pollutant removal and hydrologic benefits of LID components, facilities and/or systems (and of different combinations of components, facilities and/or systems), including variations in design and how do they change over time?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>Monitoring methods to investigate pollutant removal benefits shall consist of:</p> <ul style="list-style-type: none"><li>• Required: Collection and analysis of the parameters listed in Table 8.d.2, in stormwater influent and effluent (simultaneously) – using automated samplers to collect flow-weighted composite EMCs (time-weighted composites are allowed if they have many subsamples and can be closely approximated as flow-weighted composites) – at the component, facility, site, and/or watershed scale; and</li><li>• Optional: sampling of sediment and other technically sound and accepted monitoring methods designed to investigate pollutant removal benefits.</li></ul> <p>Monitoring methods to investigate hydrologic performance (flow) shall consist of:</p> <ul style="list-style-type: none"><li>• Required: Measurement of stormwater runoff quantity and/or flow at the component, facility, site and/or watershed scale, in both the influent and effluent of the LID BMP(s).</li><li>• Optional: Measurement of stream flow to evaluate watershed scale benefits; development of runoff hydrographs; water balance monitoring; collection and analysis of infiltration rates or water depth at the facility and/or site scale; or other technically sound and accepted monitoring methods designed to investigate hydrologic performance.</li></ul> <p>Monitoring methods to investigate changes over time include:</p> <ul style="list-style-type: none"><li>• Longitudinal study(s), using the above monitoring methods applied at the component, facility, and/or system scales, over different time scales.</li></ul> |              |  |                          |  |                    |                                    |  |                     |                    |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |
| 2 What are the minimum levels of O&M necessary to avoid deteriorated LID facilities, systems, and components that reduce pollutant removal and hydrologic performance?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"><li>• Monitoring methods assigned to Management Question 1 above, applied at the component, facility, system, and/or site scale; and</li><li>• Condition assessments at the component, facility, system, and/or site scale.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |  |                          |  |                    |                                    |  |                     |                    |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                        |                                                                                                                                                                                                                                                                         |

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| Section                                                          | Table 8.d.2 LID Monitoring Intensities and Parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                |                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                  | Countywide Stormwater Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Anticipated Type(s) of LID Facilities Monitored                                | Total Minimum Number of Water Quality Sample Events During Permit Term (Annual Minimum) <sup>40</sup> | Parameters <sup>41,42</sup>                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                  | Alameda                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | High flow rate tree well filters and/or a combination of several LID measures. | 25 (3)                                                                                                | <b>Required:</b> <ul style="list-style-type: none"> <li>• Total Hg;</li> <li>• Total PCBs;</li> <li>• TSS</li> <li>• PFAS;</li> <li>• TPH;</li> <li>• Total and Dissolved Copper;</li> <li>• Flow;</li> <li>• Total Hardness; and</li> <li>• pH.</li> </ul> <b>Optional:</b> <ul style="list-style-type: none"> <li>• Other emerging contaminants;<sup>43</sup> and</li> <li>• Other ancillary parameters.<sup>44</sup></li> </ul> |
|                                                                  | Contra Costa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Bioretention and/or other infiltration-based LID measures.                     | 25 (3)                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                  | San Mateo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Regional multi-benefit stormwater capture facility(s).                         | 25 (3)                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                  | Santa Clara                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Bioretention and/or other LID measures.                                        | 25 (3)                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                  | Solano                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Bioretention and/or other LID measures.                                        | 12 (1)                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| C.8.e.                                                           | <b>Trash Monitoring</b><br>Trash Monitoring is intended to: 1) verify whether Permittees' trash control actions to-date have effectively prevented trash from their jurisdictions from discharging to receiving waters, and 2) evaluate whether discharges of trash from areas of Permittees' jurisdictions where full trash capture equivalency (full trash capture devices or other actions verified with on-land visual trash assessments, as referenced in Provision C.10.b.iii) has been achieved are causing and/or contributing to adverse trash impacts in receiving waters. Trash monitoring shall address the following management and monitoring questions:<br><b>Management Questions</b> <ul style="list-style-type: none"> <li>• Have Permittees' trash management actions effectively prevented trash from their jurisdictions from discharging to receiving waters?</li> <li>• Are discharges of trash from areas within Trash Management Areas controlled to a low trash generation level causing and/or contributing to adverse trash impacts in receiving waters?</li> </ul> <b>Monitoring Questions</b> <ul style="list-style-type: none"> <li>• What is the trash condition and approximate level of trash (volume, type, and size) within and discharging into receiving waters in areas that receive MS4 runoff controlled to a low trash generation via the installation of full trash capture devices, or the implementation of other trash management actions equivalent to full trash capture systems?</li> </ul> |                                                                                |                                                                                                       | D                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Responsible Agency |
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|         | <ul style="list-style-type: none"> <li>Does the level of trash in the receiving water correlate strongly with the conditions of the tributary drainage area of the MS4?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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|         | <p><b>i. Monitoring Components</b></p> <p>Permittees shall implement or cause to be implemented the monitoring components as described below, to address each management and monitoring question. Permittees should use comparable assessment methods to facilitate regional consistency. To ensure comparable data, for each monitoring site, Permittees and the TAG shall consider incorporating the implementation of steps 1-6 as specified in the Statewide Trash Monitoring Methods Project Trash Monitoring Playbook into the Trash Monitoring Plan. Permittees and the TAG shall consider adapting and repeating these six steps for all methods specified in Provision C.8.e.ii, to reflect site information that can be collected regardless of method and can increase comparability between methods. The six steps are as follows:</p> <ol style="list-style-type: none"> <li>(1) Event Preparation</li> <li>(2) Garther Standard Equipment</li> <li>(3) Set up the Assessment Area</li> <li>(4) Record the Site Information and Assessment Area Demnsion</li> <li>(5) Record Assessment Area Photographs</li> <li>(6) Determine, Document, and Map the Locations of Storm Drain Outfalls, Homeless Encampments, and Illegal Dumping Hotspots Which May Impact the Assessment Area.</li> </ol> <p><b>ii. Monitoring Methods</b></p> <ol style="list-style-type: none"> <li>(1) Permittees shall collect and analyze the amount of trash discharged from MS4 outfalls that drain tributary drainage areas controlled to the Low trash generation level, during storm events that will (or that Permittees estimate are likely to) result in discharges of trash through the MS4 system. Sampling of MS4 outfalls includes the use of netting devices attached to the end of the outfall pipe (that capture trash discharging through the MS4), or other equivalent end-of-pipe (or in-line) devices and structures, whether existing, modified, or new. The device used to monitor the trash at the end of the MS4 outfall (or in-line, within the MS4) shall not be used itself as the trash control that grants the Low trash generation status to the tributary drainage area; the monitored tributary drainage area may only be controlled to the Low trash generation level by controls upstream of the monitoring</li> <li>(2) Permittees shall implement a pilot program to directly (in-stream) sample sections of receiving waters that receive runoff primarily from MS4 outfalls that drain tributary drainage areas controlled to the Low trash generation level, during storm events that will (or that Permittees estimate are likely to) result in discharges of trash through the MS4 system. Permittees should not select in-stream sites that are downstream of direct discharge sites (e.g., homeless encampments and illegal dumping sites). To the extent feasible, in-stream monitoring sites should be co-located with MS4 outfall monitoring sites, as follows: They should be no further than 300 feet downstream or upstream of them; failing that, they should be no further than 300 feet downstream of them, or, any distance upstream of them; failing that, they should be anywhere within the same receiving water; failing that, in-stream monitoring sites do not have to be co-located with MS4 outfall monitoring sites. Sampling a receiving water directly (in-stream) involves the use of trawls, nets, or other equivalent devices, that are designed to capture as much of the width and depth of the receiving water's cross section (especially the thalweg) as is feasible and safe, during storm events that will (or that Permittees estimate are likely to) result in discharges of trash through the MS4 system. Indirect methods (on-land), such as shoreline and/or streambank assessments, are not a satisfactory surrogate or replacement for these direct <u>measurements of trash within receiving waters.</u></li> <li>(3) Permittees may additionally implement shoreline and/or streambank assessment methods (with an appropriate frequency, timing, and assessment length), not to indirectly measure trash loading in MS4 outfalls and receiving waters, but instead to gain a synoptic view of on-land trash conditions adjacent to MS4 outfall and in-stream monitoring sites. Such methods include: the riverine volumetric method, the riverine quantitative tally method, the unoccupied aerial system (UAS) method, or other equivalent methods. The riverine qualitative visual assessment method may be merited but requires additional study, refinement, and calibration, and its use is subject to the Executive Officer's approval.</li> <li>(4) In order to be able to characterize loading rather than only concentration, Permittees shall directly measure flow at both MS4 outfall sites (flow through the MS4 pipe) and at in-stream receiving water sites (flow through the receiving water). Examples of methods to collect flow data include stream gages, manning's equation, and other methods recommended in Chapter 3.2 of the International Stormwater BMP Database's October 2009 Urban Stormwater BMP Performance Monitoring document.<sup>47</sup></li> <li>(5) All methods shall include collection of data on material type. For example, the volume or tally of cigarette butts collected.</li> </ol> <p><b>iii. Monitoring Sites, Events, Frequency, and Intervals</b></p> <ol style="list-style-type: none"> <li>(1) Permittees shall conduct MS4 outfall monitoring annually, starting October 1, 2023, at no less than the number of sites and events specified in the table below, according to the approved or conditionally approved Trash Monitoring Plan.</li> </ol> |                    |

| Section      | LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Responsible Agency                              |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
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|              | <table border="1"> <thead> <tr> <th rowspan="2">County</th><th colspan="2">MS4 Outfall Monitoring</th></tr> <tr> <th>Minimum Number of Sites</th><th>Minimum Number of Wet Weather Monitoring Events</th></tr> </thead> <tbody> <tr> <td>Alameda</td><td>3</td><td>3</td></tr> <tr> <td>Contra Costa</td><td>2</td><td>3</td></tr> <tr> <td>Solano</td><td>1</td><td>3</td></tr> <tr> <td>San Mateo</td><td>2</td><td>3</td></tr> <tr> <td>Santa Clara</td><td>3</td><td>3</td></tr> </tbody> </table> <p>(2) Permittees shall implement a pilot program for direct in-stream monitoring. Permittees shall conduct this monitoring annually, starting October 1, 2024, at no less than the number of sites and events specified in the table below, according to the approved or conditionally approved Trash Monitoring Plan.</p> <table border="1"> <thead> <tr> <th rowspan="2">County</th><th colspan="2">Direct In-Stream Monitoring</th></tr> <tr> <th>Minimum Number of Sites</th><th>Minimum Number of Wet Weather Monitoring Events</th></tr> </thead> <tbody> <tr> <td>Alameda</td><td>2</td><td>3</td></tr> <tr> <td>Contra Costa</td><td>1</td><td>3</td></tr> <tr> <td>Solano</td><td>0</td><td>0</td></tr> <tr> <td>San Mateo</td><td>1</td><td>3</td></tr> <tr> <td>Santa Clara</td><td>2</td><td>3</td></tr> </tbody> </table> <p>(3) Permittees should monitor storm events that trigger trash discharge and transport trash through the MS4 (e.g., 0.25 inches of rain over 24 hours), and that are preceded by at least 48 hours of limited or no trash discharge from the tributary drainage area. Each wet season, Permittees should sample the first forecasted significant storm event, and at least one storm event that is forecast to be greater than the one-year, one-hour storm event (i.e., full capture design standard).</p> <p>(4) To the extent possible, Permittees should monitor the same monitoring sites during each year of the Permit term. With cause, justification, and reporting in the Annual Trash Monitoring Progress Report, they can change monitoring sites.</p> <p>(5) Tributary drainage areas to monitoring sites should be representative with respect to the types of trash controls present across the region. For example, some monitoring sites receive runoff from areas controlled primarily by one type of full trash capture device (e.g., an inlet-based device) while other monitoring sites receive runoff from areas controlled primarily by another type of full trash capture device (e.g., a HDS unit). And/or, some monitoring sites receive runoff from areas controlled primarily by full trash capture devices while other monitoring sites receive runoff from areas controlled primarily by Other Actions.</p> <p>(6) Permittees are exempt from outfall and receiving water sampling during dangerous and unsafe weather conditions.</p> <p>(7) In a given water year, if there are not enough qualifying storm events for Permittees to sample (i.e., due to weather/climate) – or if safety concerns preclude sampling during a qualifying storm event such that Permittees would not achieve the mandatory minimums set forth in Provisions C.8.e.iii.(1)-(2) – the Permittees may certify that in their subsequent Annual Trash Monitoring Progress Report, and perform the missed sample events in the subsequent year.</p> <p>(8) Permittees shall use the results of Trash Monitoring to inform and investigate their trash management actions. If Trash Monitoring results indicate that discharges are causing or contributing to adverse impacts in receiving waters, Permittees shall implement new or enhanced actions to comply with the trash discharge prohibition and receiving water limitations. Examples of results that could trigger follow up actions are provided in the Fact Sheet.</p> | County                                          | MS4 Outfall Monitoring |  | Minimum Number of Sites | Minimum Number of Wet Weather Monitoring Events | Alameda | 3 | 3 | Contra Costa | 2 | 3 | Solano | 1 | 3 | San Mateo | 2 | 3 | Santa Clara | 3 | 3 | County | Direct In-Stream Monitoring |  | Minimum Number of Sites | Minimum Number of Wet Weather Monitoring Events | Alameda | 2 | 3 | Contra Costa | 1 | 3 | Solano | 0 | 0 | San Mateo | 1 | 3 | Santa Clara | 2 | 3 |  |
| County       | MS4 Outfall Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
|              | Minimum Number of Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Minimum Number of Wet Weather Monitoring Events |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Alameda      | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Contra Costa | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Solano       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| San Mateo    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Santa Clara  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| County       | Direct In-Stream Monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
|              | Minimum Number of Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Minimum Number of Wet Weather Monitoring Events |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Alameda      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Contra Costa | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Solano       | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| San Mateo    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| Santa Clara  | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                               |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |
| iv.          | <p><b>Regional Trash Monitoring Technical Advisory Group</b></p> <p>(1) To assist with the development and implementation of scientifically-sound trash monitoring, the Permittees shall form and convene a Technical Advisory Group (TAG), which includes impartial science advisors (e.g., SFEI) and Water Board staff, to review and provide input on ongoing trash monitoring, site selection, analysis methods, results, and conclusions. Prior to the submission of the Trash Monitoring Plan, the TAG shall meet at least biannually. Subsequent to the submission of the Trash Monitoring Plan, the TAG shall meet at least annually.</p> <p>(2) The Permittees shall solicit input and feedback from the TAG on:</p> <ul style="list-style-type: none"> <li>(a) The spatial representativeness of each site;</li> <li>(b) The adequacy of the methods employed at each site;</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |                        |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |        |                             |  |                         |                                                 |         |   |   |              |   |   |        |   |   |           |   |   |             |   |   |  |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Responsible Agency |
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|         | <p>(c) The recommended minimum intensity, size, and/or recurrence interval for storms that are sampled;</p> <p>(d) The number of sites and monitoring events, as described in the monitoring schedule in the Trash Monitoring Plan;</p> <p>(e) The timing of sampling during storm events. For example, it is likely that Permittees should prioritize sampling during the rising limb of the hydrograph (and towards the beginning of the rising limb, at that), because that is when most of the trash load is mobilized and discharged to MS4 outfalls and receiving waters;</p> <p>(f) Implementation of of Provision C.8.e.iii.(8);</p> <p>(g) Permitting; and</p> <p>(h) Recommendation for alternative approaches to answering the management and monitoring questions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| v.      | <p><b>Trash Monitoring Plan</b> - Permittees shall collectively submit a Trash Monitoring Plan by July 31, 2023, subject to Executive Officer approval, that, at a minimum, includes the following information:</p> <p>(1) Selected site locations (latitudinal and longitudinal coordinates), including maps and characteristics (e.g., type of outfall, receiving water);</p> <p>(2) For each site, describe the land use, trash conditions/levels, trash controls present, and other relevant characteristics (trash generation rates, types of controls present, etc.) of the tributary drainage areas of the MS4, and also delineate the tributary drainage areas of the MS4;</p> <p>(3) A description of factors that were considered when selecting monitoring sites and events, including spatial and temporal representativeness;</p> <p>(4) For each site, a description of the monitoring methods and protocols that will be used;</p> <p>(5) A monitoring schedule, which shall include the timing (of sampling during and between storm events), number and type of monitoring events at each site;</p> <p>(6) Plans for implementation of Provision C.8.e.iii.(8);</p> <p>(7) A summary of permitting efforts;</p> <p>(8) Opportunities provided for input and participation by interested parties and scientific experts other than those participating in the TAG; and</p> <p>(9) Input, feedback, and recommendations from the TAG on the capacity of the Trash Monitoring Plan to answer the management and monitoring questions.</p>                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| C.8.f.  | <p><b>Pollutants of Concern Monitoring</b></p> <p>Pollutants of Concern (POC) Monitoring monitoring is intended to assess inputs of select POCs to the Bay from local tributaries and urban runoff, provide information to assess compliance with receiving water limitations, support implementation of TMDLs and other pollutant control strategies, assess progress toward achieving wasteload allocations for TMDLs and help resolve uncertainties associated with loading estimates and impairments associated with these pollutants. In particular, monitoring required by this provision must be directed toward addressing the following six priority POC management</p> <p>(1) <b>Source Identification</b> - identifying or confirming which sources or watershed source areas provide the greatest opportunities for reductions of POCs in urban stormwater runoff;</p> <p>(2) <b>Contribution to Bay Impairment</b> - identifying which watershed source areas contribute most to the impairment of San Francisco Bay beneficial uses (due to source intensity and sensitivity of discharge location);</p> <p>(3) <b>Management Action Effectiveness</b> - evaluating the effectiveness or impacts of existing management actions, including compliance with TMDLs and other POC requirements and providing support for planning future management actions;</p> <p>(4) <b>Loads and Status</b> - providing information on POC loads, concentrations, and presence in local tributaries or urban stormwater discharges;</p> <p>(5) <b>Trends</b>- evaluating trends in POC loading to the Bay and POC concentrations in urban stormwater discharges or local tributaries over time; and</p> <p>(6) <b>Compliance with Receiving Water Limitations</b> – providing information to assess whether receiving water limitations (RWLs) are achieved.</p> <p>Not all information needs apply to all POCs (see Table 8.2 below for details).</p> | D                  |
| i.      | <p><b>Sampling Methods</b> – The Permittees shall implement or cause to be implemented the monitoring components shown in Table 8.1 to address each of the six POC management information needs.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |

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| Table 8.1 POC Monitoring Methods |                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Monitoring Type                  | Information Need                                                     | Monitoring Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 1                                | Identify Source Areas                                                | Monitoring methods to identify watershed sources of POCs shall include: <ul style="list-style-type: none"><li>• Collection and analysis of POCs (in dissolved phase or on suspended sediment particles as appropriate for pollutant) in urban stormwater runoff transported through MS4s or receiving waters during stormwater runoff events; or</li><li>• Collection and analysis of POCs (in dissolved phase or on suspended sediment particles as appropriate for pollutant) in urban stormwater runoff at outfall locations (i.e., as runoff from MS4 enters receiving waters) during stormwater runoff events; or</li><li>• Collection and analysis of POCs on bedded sediments deposited in MS4s, treatment facilities, or receiving waters; or</li><li>• Collection and analysis of POCs in stormwater runoff or bedded sediments on source area properties (e.g. private property) or public rights of way; or</li><li>• Other monitoring methods designed to identify specific sources or uses of POCs (e.g., caulk in roadways or building materials) or watershed source areas.</li></ul> |
| 2                                | Identify watershed areas contributing most to Bay impairment         | Monitoring methods to identify watershed areas contributing most to Bay impairment shall include: <ul style="list-style-type: none"><li>• Methods described for Monitoring Type #1; or</li><li>• Collection and chemical analysis of small fish tissue (or other relevant indicator) near tributary confluences with the Bay; or</li><li>• Collection of bedded sediments near tributary confluences with the Bay and analysis for POCs.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 3                                | Effectiveness of, and provide support for future, management actions | Monitoring methods to evaluate effectiveness of, and provide support for future, management actions shall include: <ul style="list-style-type: none"><li>• Methods described for Monitoring Type #1, but focused on characterizing the effectiveness of specific management actions in reducing or avoiding POCs in MS4 discharges; or</li><li>• Collection of information to characterize or develop models of control measure performance</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Responsible Agency |
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| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Monitoring Type | Information Need                                                                  | Monitoring Methods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |                                                                                   | (e.g., treatment controls, demolition debris program, green infrastructure, etc.). This information could include data for model calibration and validation, or other information needed to estimate or compute model parameters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4               | Provide information on POC loads, <del>concentrations</del> , or presence/absence | Monitoring methods to provide information on POC loads, concentrations, or presence/absence shall include: <ul style="list-style-type: none"> <li>• Methods described for Monitoring Type #1, in combination with quantitative modeling associated with quantifying POC loads from MS4s or small tributaries to the Bay; or</li> <li>• Collection of information to support development of conceptual models of watershed fate and transport; or</li> <li>• Collection of information to support watershed loading models such as data for model calibration and validation or other information needed to estimate or compute model parameters.</li> </ul>                                                                                                |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5               | Evaluate POC trends                                                               | Monitoring methods to provide information on trends in POC loads and concentrations over time shall include methods described for Monitoring Type #1 or #2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6               | RWLS Assessment                                                                   | Monitoring in receiving waters to assess compliance with RWLS. Monitoring methods shall include: <ul style="list-style-type: none"> <li>• Collection and analysis of analytes during the wet season in receiving waters (i.e., creeks and rivers that flow to San Francisco Bay) influenced by urban stormwater runoff.</li> <li>• Collection and analysis of analytes during the dry season in receiving waters (i.e., creeks and rivers that flow to San Francisco Bay) influenced by dry season urban runoff.</li> <li>• Sampling locations for RWLS assessment monitoring shall be spatially and temporally representative of the sampled waterbody. Sampled waterbodies shall be representative of the range of receiving waterbody types.</li> </ul> |                    |
| (8) <b>Parameters and Monitoring Frequency</b> – The Permittees shall conduct POC monitoring consistent with the monitoring intensity and frequency specified in Table 8.2. Monitoring frequencies are described as the total and minimum number of samples that Permittees within a countywide Stormwater Program shall collectively collect and analyze in a Water Year (October 1- September 30). Minimum number of samples that Permittees within a countywide Stormwater Program shall collect by the end of the Permit term to address each monitoring type are also specified. |                 |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |

| Section                                                                                                                                                                                                                                                                                                                                                                                               | LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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|                                                                                                                                                                                                                                                                                                                                                                                                       | <p><b>Table 8.2 POC Monitoring Parameters, Effort and Type</b></p> <table> <tr> <th>Pollutant of Concern</th><th>Total <del>Samples</del><sup>a</sup> Collected /Analyzed (yearly minimum) for each Countywide Program: Alameda, Contra Costa, Santa Clara, and San Mateo</th><th>Minimum Number of Samples for each Monitoring <del>Type</del><sup>b</sup></th></tr> <tr> <td>Polychlorinated Biphenyls (PCBs)</td><td>75 (8) Alameda, Santa Clara<br/>65 (8) Contra Costa, San Mateo</td><td>8 samples minimum for monitoring types 1-3 and 16 samples minimum for monitoring types 4-5</td></tr> <tr> <td>Total Mercury</td><td>60 (8) Alameda, Santa Clara<br/>50 (8) Contra Costa, San Mateo</td><td>8 samples minimum for monitoring types 1-5</td></tr> <tr> <td>Copper</td><td>5</td><td>all samples for monitoring type 4</td></tr> <tr> <td><b>Emerging Contaminants</b><sup>c</sup><br/>Must include but not limited to:<br/> <ul style="list-style-type: none"> <li>contaminants likely in stormwater and associated with vehicles;</li> <li>per- and polyfluoroalkyl substances (PFAS);</li> <li>organophosphate ester plastic additives/flame retardants;</li> <li>bisphenol plastic additives; and</li> <li>ethoxylated surfactants</li> </ul> </td><td>25<br/>See footnote c</td><td>all samples for monitoring type 4<br/><br/>See footnote c</td></tr> <tr> <td><b>Ancillary Parameters</b><sup>d</sup>:<br/> <ul style="list-style-type: none"> <li>Total organic carbon</li> <li>Suspended sediments (SSC)</li> <li>Hardness</li> </ul> </td><td>as necessary to address management questions for other POCs – see footnote d</td><td></td></tr> <tr> <td><b>RWLs Assessment:</b> copper, zinc, fecal indicator bacteria, and additional analytes determined under Provision C.8.h.iv</td><td>4 wet season samples<br/>1 dry season sample</td><td>5 samples for monitoring type 6</td></tr> </table> <p><sup>a</sup> This column indicates the total number of samples, across all applicable monitoring types (i.e., monitoring types 1-5 from Table 8.1), that must be collected during the Permit term. The number in parentheses indicates the minimum number of samples that must be collected, across all applicable monitoring types, during each of the five years of the permit. For example, 75 total samples must be collected for total PCBs and 60 total samples for mercury by each set of Santa Clara County and Alameda County during the term of the permit. San Mateo and Contra Costa Counties, because of smaller program size, must collect 65 PCBs and 50 total samples for mercury. Permittees must collect a minimum of 8 PCBs and 8 mercury samples every year of the Permit term, including the final year. It is possible that data can satisfy multiple monitoring types. However, the intent of the Permit is to achieve a distribution of monitoring effort across all applicable monitoring information needs. Therefore, no more than 25 percent of samples for any pollutant may be used to satisfy requirements for multiple monitoring categories for that pollutant. This requirement is intended to ensure that monitoring is focused to provide the best information to answer specific management questions.</p> <p><sup>b</sup> This column indicates the monitoring types from Table 8.1 that are applicable to this POC along with the minimum number of samples that shall be collected by each set of Permittees (i.e., Santa Clara County, San Mateo County, Alameda County, and Contra Costa County) by the end of the Permit term. The applicable monitoring type(s) is also stated to illustrate the management information need(s) motivating the collected data. For example, each set of Permittees (i.e., the Countywide Programs for Santa Clara, San Mateo, Alameda, and Contra Costa counties) must collect and analyze at least 8 samples to address monitoring types 1-5 in Table 8.1 for both total PCBs and total mercury. Some collected samples may address multiple management questions.</p> <p><sup>c</sup> Permittees, collectively, shall produce or cause to be produced a stormwater monitoring strategy for emerging contaminants (ECs) April 1, 2023 that prioritizes ECs for stormwater monitoring listed in this table and possibly others and establishes an approach for sampling stormwater ECs based on specific or likely physico-chemical properties, sources, transport pathways, and fate of prioritized ECs. Permittees must conduct or cause to be conducted ECs stormwater monitoring to execute the ECs stormwater monitoring strategy at a level of effort indicated in the table. This level of effort can be satisfied either through sampling and analysis of the number of samples indicated in this table or through augmentation of the San Francisco Bay Regional Monitoring Program Emerging Contaminants Monitoring Strategy in the amount of \$100,000 per year for all Permittees combined.</p> <p><sup>d</sup> Total Total Organic Carbon (TOC) data are not used independently. Rather, TOC can be useful for normalizing PCBs data collected in water and sediment. TOC shall be collected concurrently with PCBs data that should be normalized to TOC. Similarly, suspended sediment concentrations (SSC) samples should be collected and analyzed when water samples are collected that will be used to assess loads, loading trends, or BMP effectiveness for PCBs and Mercury. Hardness data are used in conjunction with copper concentrations collected in fresh water.</p> | Pollutant of Concern                                                                       | Total <del>Samples</del> <sup>a</sup> Collected /Analyzed (yearly minimum) for each Countywide Program: Alameda, Contra Costa, Santa Clara, and San Mateo | Minimum Number of Samples for each Monitoring <del>Type</del> <sup>b</sup> | Polychlorinated Biphenyls (PCBs) | 75 (8) Alameda, Santa Clara<br>65 (8) Contra Costa, San Mateo | 8 samples minimum for monitoring types 1-3 and 16 samples minimum for monitoring types 4-5 | Total Mercury | 60 (8) Alameda, Santa Clara<br>50 (8) Contra Costa, San Mateo | 8 samples minimum for monitoring types 1-5 | Copper | 5 | all samples for monitoring type 4 | <b>Emerging Contaminants</b> <sup>c</sup><br>Must include but not limited to:<br><ul style="list-style-type: none"> <li>contaminants likely in stormwater and associated with vehicles;</li> <li>per- and polyfluoroalkyl substances (PFAS);</li> <li>organophosphate ester plastic additives/flame retardants;</li> <li>bisphenol plastic additives; and</li> <li>ethoxylated surfactants</li> </ul> | 25<br>See footnote c | all samples for monitoring type 4<br><br>See footnote c | <b>Ancillary Parameters</b> <sup>d</sup> :<br><ul style="list-style-type: none"> <li>Total organic carbon</li> <li>Suspended sediments (SSC)</li> <li>Hardness</li> </ul> | as necessary to address management questions for other POCs – see footnote d |  | <b>RWLs Assessment:</b> copper, zinc, fecal indicator bacteria, and additional analytes determined under Provision C.8.h.iv | 4 wet season samples<br>1 dry season sample | 5 samples for monitoring type 6 |  |
| Pollutant of Concern                                                                                                                                                                                                                                                                                                                                                                                  | Total <del>Samples</del> <sup>a</sup> Collected /Analyzed (yearly minimum) for each Countywide Program: Alameda, Contra Costa, Santa Clara, and San Mateo                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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                        |                                                                            |                                  |                                                               |                                                                                            |               |                                                               |                                            |        |   |                                   |                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                                                         |                                                            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| Polychlorinated Biphenyls (PCBs)                                                                                                                                                                                                                                                                                                                                                                      | 75 (8) Alameda, Santa Clara<br>65 (8) Contra Costa, San Mateo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Total Mercury                                                                                                                                                                                                                                                                                                                                                                                         | 60 (8) Alameda, Santa Clara<br>50 (8) Contra Costa, San Mateo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| <b>Emerging Contaminants</b> <sup>c</sup><br>Must include but not limited to:<br><ul style="list-style-type: none"> <li>contaminants likely in stormwater and associated with vehicles;</li> <li>per- and polyfluoroalkyl substances (PFAS);</li> <li>organophosphate ester plastic additives/flame retardants;</li> <li>bisphenol plastic additives; and</li> <li>ethoxylated surfactants</li> </ul> | 25<br>See footnote c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                               |                                                                              |  |                                                                                                                             |                                             |                                 |  |
| <b>Ancillary Parameters</b> <sup>d</sup> :<br><ul style="list-style-type: none"> <li>Total organic carbon</li> <li>Suspended sediments (SSC)</li> <li>Hardness</li> </ul>                                                                                                                                                                                                                             | as necessary to address management questions for other POCs – see footnote d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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| <b>RWLs Assessment:</b> copper, zinc, fecal indicator bacteria, and additional analytes determined under Provision C.8.h.iv                                                                                                                                                                                                                                                                           | 4 wet season samples<br>1 dry season sample                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Section                                 | LEGEND: C = CITY<br>D = DISTRICT<br>B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Responsible<br>Agency      |                                                                                                                            |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
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| iii.                                    | <p><b>POC Parameters and Analytical Methods</b> – Samples collected consistent with Table 8.2 shall be analyzed for parameters listed in Table 8.3. Where no laboratory method is listed in Table 8.3, Permittees shall use U.S. EPA or SWAMP-approved methods. There are no analytical methods listed in Table 8.3 for ECs as there are not U.S. EPA-approved methods for most of these contaminants. Monitoring for ECs is investigatory monitoring to provide information on EC loads, concentrations, and presence/absence rather than compliance determination. Accordingly, specification of analytical method is not mandatory. Moreover, the sampling and analysis is likely to be conducted through the San Francisco Bay Regional Monitoring Program, which has a robust and well-established quality assurance process, and the laboratories chosen for the EC analyses will be applying state-of-the-science analytical methods for the detection and quantification of ECs in stormwater samples.</p> <p style="text-align: center;"><b>Table 8.3 POC Analytes and Analytical Methods</b></p> <table><tr><th>Pollutant of Concern</th><th>Matrix</th><th>Analyte(s) or Test Species</th><th>Laboratory Analytical Methods</th></tr><tr><td rowspan="5"><b>Polychlorinated Biphenyls (PCBs)</b></td><td rowspan="3">Water</td><td>Total PCBs</td><td>U.S. EPA 1668 (RMP 40)</td></tr><tr><td>Total Organic Carbon</td><td>SM5310B</td></tr><tr><td>Suspended sediments (SSC)</td><td>ASTM D3977-97</td></tr><tr><td rowspan="2">Bedded Sediment</td><td>Total PCBs</td><td>As appropriate to address the management information need: U.S. EPA 1668 (RMP 40), 8082A, or 8270D modified by Method 1625</td></tr><tr><td>Total organic carbon</td><td>U.S. EPA 9060</td></tr><tr><td rowspan="2"><b>Mercury</b></td><td>Water</td><td>Total Mercury</td><td>U.S. EPA 1631 Rev E</td></tr><tr><td>Bedded Sediment</td><td>Total Mercury</td><td>U.S. EPA 7473</td></tr><tr><td rowspan="3"><b>Copper</b></td><td rowspan="3">Water</td><td>Total Copper</td><td>U.S. EPA 200.7</td></tr><tr><td>Dissolved Copper</td><td>U.S. EPA 200.8</td></tr><tr><td>Hardness</td><td>U.S. EPA 130.1 or 130.2</td></tr></table> | Pollutant of Concern       | Matrix                                                                                                                     | Analyte(s) or Test Species | Laboratory Analytical Methods | <b>Polychlorinated Biphenyls (PCBs)</b> | Water | Total PCBs | U.S. EPA 1668 (RMP 40) | Total Organic Carbon | SM5310B | Suspended sediments (SSC) | ASTM D3977-97 | Bedded Sediment | Total PCBs | As appropriate to address the management information need: U.S. EPA 1668 (RMP 40), 8082A, or 8270D modified by Method 1625 | Total organic carbon | U.S. EPA 9060 | <b>Mercury</b> | Water | Total Mercury | U.S. EPA 1631 Rev E | Bedded Sediment | Total Mercury | U.S. EPA 7473 | <b>Copper</b> | Water | Total Copper | U.S. EPA 200.7 | Dissolved Copper | U.S. EPA 200.8 | Hardness | U.S. EPA 130.1 or 130.2 |  |
| Pollutant of Concern                    | Matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Analyte(s) or Test Species | Laboratory Analytical Methods                                                                                              |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
| <b>Polychlorinated Biphenyls (PCBs)</b> | Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total PCBs                 | U.S. EPA 1668 (RMP 40)                                                                                                     |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
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|                                         | Bedded Sediment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total PCBs                 | As appropriate to address the management information need: U.S. EPA 1668 (RMP 40), 8082A, or 8270D modified by Method 1625 |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
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| <b>Mercury</b>                          | Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total Mercury              | U.S. EPA 1631 Rev E                                                                                                        |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
|                                         | Bedded Sediment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Total Mercury              | U.S. EPA 7473                                                                                                              |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
| <b>Copper</b>                           | Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total Copper               | U.S. EPA 200.7                                                                                                             |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
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| C.8.g.                                  | <p><b>Pesticides and Toxicity Monitoring</b></p> <p>Permittees shall conduct wet and dry weather monitoring of pesticides and toxicity in urban creeks. If a statewide coordinated pesticides and pesticides-related toxicity monitoring program begins collecting data on an ongoing basis during the Permit term, Permittees may request the Water Board modify, reduce or eliminate this monitoring requirement, provided the resultant change would result in overall improvement of pesticide monitoring data collection. In fulfilling the requirements of Provision C.8.g, Permittees may collaborate with the California Department of Pesticide Regulation (CDPR) for data collection and analysis. For data collected through such collaboration, CDPR’s standard operating procedures and quality assurance/quality control methods may be used in place of the SWAMP comparability requirements in subprovisions C.8.b and in C.8.g.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                          |                                                                                                                            |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |
| i.                                      | <p><b>Toxicity in Water Column - Dry Weather</b></p> <p>(1) <b>Field and Laboratory Method</b> – Permittees shall collect grab samples of receiving water using applicable SWAMP comparable methodology. These samples shall be analyzed for the test organisms listed, and by the methods described, in Table 8.4. Toxicity shall be evaluated using the Test of Significant Toxicity (TST) statistical approach. Each sample shall be subject to determination of “Pass” or “Fail” and shall indicate “Percent Effect” from toxicity using nondiluted samples. The TST null hypothesis shall be “mean sample response ≤ 0.75 × mean control response.” A test result that rejects this null hypothesis shall be reported as “Pass.” A test result that does not reject this null hypothesis shall be reported as “Fail.” The relative “Percent Effect” of the sample is defined and reported as: ((Mean control response – Mean sample response) ÷ Mean control response)) × 100.</p> <p>(2) <b>Sample Design/Locations</b> – Sample locations may be selected by Permittees to monitor locations where toxicity could be likely; to coincide with creek restoration sites; or to resample a location where toxicity has been found in the past.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                            |                                                                                                                            |                            |                               |                                         |       |            |                        |                      |         |                           |               |                 |            |                                                                                                                            |                      |               |                |       |               |                     |                 |               |               |               |       |              |                |                  |                |          |                         |  |

| Section                                              | LEGEND: C = CITY<br>D = DISTRICT<br>B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Responsible<br>Agency                               |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
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|                                                      | <div>(3) Frequency , Timeframe and Number of Sites – Permittees shall annually collect in the dry season at least the minimum number of samples as shown below.</div> <table><thead><tr><th>Permittees</th><th>Minimum Number of Sample Sites</th></tr></thead><tbody><tr><td>Alameda County Permittees</td><td>2 per year</td></tr><tr><td>Santa Clara County Permittees</td><td>2 per year</td></tr><tr><td>Contra Costa County Permittees</td><td>1 per year</td></tr><tr><td>San Mateo County Permittees</td><td>1 per year</td></tr><tr><td>Solano County Permittees</td><td>1 by the end of water year 2023-24</td></tr></tbody></table> <div>Table 8.4 Water Column Aquatic Toxicity Analytical Procedures</div> <table><thead><tr><th>Test Species</th><th>Test Endpoint(s)</th><th>Units</th><th>U.S. EPA Method</th></tr></thead><tbody><tr><td><u>Pimephales promelas</u><br/>(Fathead Minnow)</td><td>Larval Survival and Growth</td><td>Pass or Fail using TST, % Effect</td><td>EPA-821-R-02-013<sup>49</sup> EPA 833-R-10-003<sup>50</sup></td></tr><tr><td><u>Ceriodaphnia dubia</u><br/>(Freshwater Crustacean)</td><td><u>Survival<sup>a</sup></u></td><td>Pass or Fail, % Effect &lt;25% Passes, &gt;25% Fails</td><td>EPA-821-R-02-013<br/>EPA 833-R-10-003</td></tr><tr><td><u>Ceriodaphnia dubia</u><br/>(Freshwater Crustacean)</td><td>Reproduction</td><td>Pass or Fail using TST, % Effect</td><td>EPA-821-R-02-013<br/>EPA 833-R-10-003</td></tr><tr><td><u>Selenastrum capricornutum</u><br/>(Green Algae)</td><td>Growth</td><td>Pass or Fail using TST, % Effect</td><td>EPA-821-R-02-013<br/>EPA 833-R-10-003</td></tr><tr><td><u>Hyalella azteca</u><br/>(Freshwater Amphipod)</td><td>Survival</td><td>Pass or Fail using TST, % <u>Effect<sup>b</sup></u></td><td>EPA-821-R-02-012<sup>51</sup><br/>EPA 833-R-10-003</td></tr><tr><td>Chironomus <u>dilutus</u><br/>(midge)</td><td>Survival</td><td>Pass or Fail using TST, % <u>Effect<sup>b</sup></u></td><td>EPA-821-R-02-012<br/>EPA 833-R-10-003</td></tr></tbody></table> <div><sup>a</sup> The Ceriodaphnia dubia chronic toxicity test design for the survival endpoint is not amenable to the TST, Welch's t-test so the survival endpoint will be determined as a percent effect using the TST approach. A percent effect less than 25 percent will be considered a "pass," and a percent effect equal to or greater than 25 percent will be considered a "fail."</div> <div><sup>b</sup> For Hyalella and Chironomus acute toxicity test methods, the test result will be considered a "pass," regardless of a TST determination of "fail" if the percent survival in the receiving water is equal to or greater than 90 percent.</div> | Permittees                                          | Minimum Number of Sample Sites                                | Alameda County Permittees | 2 per year | Santa Clara County Permittees | 2 per year | Contra Costa County Permittees | 1 per year | San Mateo County Permittees | 1 per year | Solano County Permittees | 1 by the end of water year 2023-24 | Test Species | Test Endpoint(s) | Units | U.S. EPA Method | <u>Pimephales promelas</u><br>(Fathead Minnow) | Larval Survival and Growth | Pass or Fail using TST, % Effect | EPA-821-R-02-013 <sup>49</sup> EPA 833-R-10-003 <sup>50</sup> | <u>Ceriodaphnia dubia</u><br>(Freshwater Crustacean) | <u>Survival<sup>a</sup></u> | Pass or Fail, % Effect <25% Passes, >25% Fails | EPA-821-R-02-013<br>EPA 833-R-10-003 | <u>Ceriodaphnia dubia</u><br>(Freshwater Crustacean) | Reproduction | Pass or Fail using TST, % Effect | EPA-821-R-02-013<br>EPA 833-R-10-003 | <u>Selenastrum capricornutum</u><br>(Green Algae) | Growth | Pass or Fail using TST, % Effect | EPA-821-R-02-013<br>EPA 833-R-10-003 | <u>Hyalella azteca</u><br>(Freshwater Amphipod) | Survival | Pass or Fail using TST, % <u>Effect<sup>b</sup></u> | EPA-821-R-02-012 <sup>51</sup><br>EPA 833-R-10-003 | Chironomus <u>dilutus</u><br>(midge) | Survival | Pass or Fail using TST, % <u>Effect<sup>b</sup></u> | EPA-821-R-02-012<br>EPA 833-R-10-003 |  |
| Permittees                                           | Minimum Number of Sample Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| Alameda County Permittees                            | 2 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| Santa Clara County Permittees                        | 2 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| Contra Costa County Permittees                       | 1 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| San Mateo County Permittees                          | 1 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| Solano County Permittees                             | 1 by the end of water year 2023-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| Test Species                                         | Test Endpoint(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Units                                               | U.S. EPA Method                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| <u>Pimephales promelas</u><br>(Fathead Minnow)       | Larval Survival and Growth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pass or Fail using TST, % Effect                    | EPA-821-R-02-013 <sup>49</sup> EPA 833-R-10-003 <sup>50</sup> |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| <u>Ceriodaphnia dubia</u><br>(Freshwater Crustacean) | <u>Survival<sup>a</sup></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pass or Fail, % Effect <25% Passes, >25% Fails      | EPA-821-R-02-013<br>EPA 833-R-10-003                          |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| <u>Ceriodaphnia dubia</u><br>(Freshwater Crustacean) | Reproduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pass or Fail using TST, % Effect                    | EPA-821-R-02-013<br>EPA 833-R-10-003                          |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| <u>Selenastrum capricornutum</u><br>(Green Algae)    | Growth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Pass or Fail using TST, % Effect                    | EPA-821-R-02-013<br>EPA 833-R-10-003                          |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| <u>Hyalella azteca</u><br>(Freshwater Amphipod)      | Survival                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pass or Fail using TST, % <u>Effect<sup>b</sup></u> | EPA-821-R-02-012 <sup>51</sup><br>EPA 833-R-10-003            |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| Chironomus <u>dilutus</u><br>(midge)                 | Survival                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Pass or Fail using TST, % <u>Effect<sup>b</sup></u> | EPA-821-R-02-012<br>EPA 833-R-10-003                          |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |
| ii.                                                  | <div>Toxicity Pesticides and Other Pollutants in Sediment - Dry Weather</div> <div>(1) Field and Laboratory Method – The Permittees shall collect grab samples of creek sediment using applicable SWAMP-comparable methodology. These samples shall be analyzed for the pollutants and organisms listed and by the methods described on Table 8.5. Where no laboratory method is listed in Table 8.5, Permittees shall use U.S. EPA- or SWAMP-approved methods.</div> <div>(2) Sample Design/Locations – Samples shall be collected at fine-grained depositional locations. Such sample locations may be selected by the Permittees to monitor locations where toxicity could be likely, or to resample a location where toxicity has been found in the past, for example.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                               |                           |            |                               |            |                                |            |                             |            |                          |                                    |              |                  |       |                 |                                                |                            |                                  |                                                               |                                                      |                             |                                                |                                      |                                                      |              |                                  |                                      |                                                   |        |                                  |                                      |                                                 |          |                                                     |                                                    |                                      |          |                                                     |                                      |  |

| Section                                                                                                        | LEGEND: C = CITY<br>D = DISTRICT<br>B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Responsible Agency                          |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-------|-------------------|--------------------------------------------------------------|--------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|---------------------------------------------------------------------------------------|--|--|------------|--|--|--------------------------------------------------------|--|--|----------------------|--|--|------------|--|--|------------|--------------------------------|---------------------------|------------|-------------------------------|------------|--------------------------------|------------|-----------------------------|------------|--------------------------|------------------------------------|--|
|                                                                                                                | <div>Table 8.5 Sediment Toxicity &amp; Pollutants Analytical Procedures</div> <table><tr><th>Test Species or Pollutant</th><th>Units</th><th>Laboratory Method</th></tr><tr><td>Hyalella azteca and Chironomus dilutus survival<sup>a</sup></td><td>Pass/Fail using TST, % Effect<sup>a</sup></td><td>EPA-600/R-99-064<sup>62</sup></td></tr><tr><td>Pyrethroids: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin</td><td></td><td>EPA 3540C followed by EPA 8270D by NCI-GCMS</td></tr><tr><td>Fipronil and its degradates (fipronil-sulfone, fipronil-desulfinyl, fipronil sulfide)</td><td></td><td></td></tr><tr><td>Total PAHs</td><td></td><td></td></tr><tr><td>Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Zinc</td><td></td><td></td></tr><tr><td>Total organic carbon</td><td></td><td></td></tr><tr><td>Grain size</td><td></td><td></td></tr></table> <p><sup>a</sup> For Hyalella and Chironomus acute toxicity test methods, the test result will be considered a "pass," regardless of a TST determination of "fail" if the percent survival in the receiving water is equal to or greater than 90 percent. The false positive rate (beta error) is 0.05 and the negative rate (alpha error) is 0.25 for these test methods.</p> <p>(3) Sample Design/Locations – Samples shall be collected at fine-grained depositional locations. Such sample locations may be selected by the Permittees to monitor locations where toxicity could be likely, to coincide with bioassessment sites, or to resample a location where toxicity has been found in the past, for example.</p> <p>(4) Frequency, Timeframe, and Number of Sites – Permittees shall collect at least the minimum number of samples annually as shown:</p> <table><tr><th>Permittees</th><th>Minimum Number of Sample Sites</th></tr><tr><td>Alameda County Permittees</td><td>2 per year</td></tr><tr><td>Santa Clara County Permittees</td><td>2 per year</td></tr><tr><td>Contra Costa County Permittees</td><td>1 per year</td></tr><tr><td>San Mateo County Permittees</td><td>1 per year</td></tr><tr><td>Solano County Permittees</td><td>1 by the end of water year 2023-24</td></tr></table> | Test Species or Pollutant                   | Units | Laboratory Method | Hyalella azteca and Chironomus dilutus survival <sup>a</sup> | Pass/Fail using TST, % Effect <sup>a</sup> | EPA-600/R-99-064 <sup>62</sup> | Pyrethroids: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin |  | EPA 3540C followed by EPA 8270D by NCI-GCMS | Fipronil and its degradates (fipronil-sulfone, fipronil-desulfinyl, fipronil sulfide) |  |  | Total PAHs |  |  | Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Zinc |  |  | Total organic carbon |  |  | Grain size |  |  | Permittees | Minimum Number of Sample Sites | Alameda County Permittees | 2 per year | Santa Clara County Permittees | 2 per year | Contra Costa County Permittees | 1 per year | San Mateo County Permittees | 1 per year | Solano County Permittees | 1 by the end of water year 2023-24 |  |
| Test Species or Pollutant                                                                                      | Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Laboratory Method                           |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Hyalella azteca and Chironomus dilutus survival <sup>a</sup>                                                   | Pass/Fail using TST, % Effect <sup>a</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EPA-600/R-99-064 <sup>62</sup>              |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Pyrethroids: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EPA 3540C followed by EPA 8270D by NCI-GCMS |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Fipronil and its degradates (fipronil-sulfone, fipronil-desulfinyl, fipronil sulfide)                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Total PAHs                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Zinc                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Total organic carbon                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Grain size                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Permittees                                                                                                     | Minimum Number of Sample Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Alameda County Permittees                                                                                      | 2 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Santa Clara County Permittees                                                                                  | 2 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Contra Costa County Permittees                                                                                 | 1 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| San Mateo County Permittees                                                                                    | 1 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| Solano County Permittees                                                                                       | 1 by the end of water year 2023-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |
| iii.                                                                                                           | <p><b>Wet Weather Pesticides and Toxicity Monitoring</b></p> <p>(1) Field and Laboratory Method – Permittees shall collect water column samples and analyze them for the following parameters using the methods specified in Tables 8.4 and 8.5. For imidacloprid, Permittees shall specify an analytical method that achieves a reporting level of 0.01 ppb.</p> <ul style="list-style-type: none"><li>•Pyrethroids: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin</li><li>•Imidacloprid</li><li>•Fipronil and its degradates fipronil-sulfone, fipronil-desulfinyl, fipronil sulfide and fipronil amide (amide is optional – do it if lab offers the suite)</li><li>•Toxicity</li></ul> <p>(2) Sample Design/Locations – Permittees shall collect samples annually during storm events. Sample locations shall be representative of urban watersheds (i.e., bottom of watershed locations).</p> <p>(3) Frequency, Timeframe, and Number of Sites – If this (Provision C.8.g.iii) sampling is conducted by the RMC on behalf of all Permittees, a total of ten (10) samples shall be collected over the Permit term, with a minimum of six (6) samples collected by the end of the third water year of the permit term. If this (Provision C.8.g.iii) sampling is conducted by Countywide Stormwater Programs, Permittees shall collect at least the minimum number of samples as shown below:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                             |       |                   |                                                              |                                            |                                |                                                                                                                |  |                                             |                                                                                       |  |  |            |  |  |                                                        |  |  |                      |  |  |            |  |  |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | Responsible Agency             |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
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| Section                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
|                                                                  | <table><tr><th>Permittees</th><th>Minimum Number of Sample Sites</th></tr><tr><td>Alameda County Permittees</td><td>2 per year</td></tr><tr><td>Santa Clara County Permittees</td><td>2 per year</td></tr><tr><td>Contra Costa County Permittees</td><td>1 per year</td></tr><tr><td>San Mateo County Permittees</td><td>1 per year</td></tr><tr><td>Solano County Permittees</td><td>1 by the end of water year 2023-24</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Permittees | Minimum Number of Sample Sites | Alameda County Permittees | 2 per year | Santa Clara County Permittees | 2 per year | Contra Costa County Permittees | 1 per year | San Mateo County Permittees | 1 per year | Solano County Permittees | 1 by the end of water year 2023-24 |  |  |
| Permittees                                                       | Minimum Number of Sample Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
| Alameda County Permittees                                        | 2 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
| Santa Clara County Permittees                                    | 2 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
| Contra Costa County Permittees                                   | 1 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
| San Mateo County Permittees                                      | 1 per year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
| Solano County Permittees                                         | 1 by the end of water year 2023-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
|                                                                  | iv. <b>Follow-up</b> – Permittees shall provide notification in the next Urban Creeks Monitoring Report when analytical results indicate any of the following:<br><br>(1) A toxicity test of growth, reproduction, or survival of any test organism is reported as “fail” in both the initial sampling and a second, follow-up sampling, and both have ≥ 50% Percent Effect;<br><br>(2) A pollutant is present at a concentration exceeding its water quality objective in the Basin Plan; or<br><br>(3) For pollutants without water quality objectives, results exceed Probable Effects Concentrations or Threshold Effects Concentrations. <sup>53</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
| C.8.h. Reporting                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            | D                              |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
|                                                                  | i. <b>Water Quality Standard Exceedance</b> – When data collected pursuant to Provisions C.8.a.-C.8.g. indicate that discharges are causing or contributing to an exceedance of an applicable water quality standard, the Permittees shall notify the Water Board within no more than 30 days of such a determination and submit a follow-up report in accordance with Provision C.1 requirements. This reporting requirement shall not apply to continuing or recurring exceedances of water quality standards previously reported to the Water Board or to exceedances of pollutants that are addressed pursuant to Provisions C.9 through C.12, C.14, C.18, and C.19, consistent with Provision C.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
|                                                                  | ii. <b>Electronic Reporting</b> – The Permittees shall submit to the California Environmental Data Exchange Network (CEDEN) all results from monitoring conducted pursuant to Provisions C.8.d. LID Monitoring, C.8.e Trash Monitoring, C.8.f Pollutants of Concern Monitoring, and C.8.g. Pesticides and Toxicity Monitoring. Data that CEDEN cannot accept are exempt from this requirement.<br><br>(1) Data shall be submitted in SWAMP formats and with the quality controls required by CEDEN.<br><br>(2) Data collected during the previous October 1–September 30 period shall be submitted by March 31 of each year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |
|                                                                  | iii. <b>Urban Creek Monitoring Report</b> – The Permittees shall submit a comprehensive Urban Creeks Monitoring Report at the countywide level no later than March 31 of each year, reporting on all data collected during the foregoing October 1–September 30 period. Each Urban Creeks Monitoring Report shall contain summaries of C.8.d LID Monitoring, C.8.e Trash Monitoring, C.8.f Pollutants of Concern Monitoring, and C.8.g Pesticides and Toxicity Monitoring, including the following:<br><br>(1) <b>A LID Monitoring Status Report</b> , which, at a minimum, includes the following information:<br><br>(a) A Summary summary of the LID Monitoring Methods and study designs used in the preceding water year, at each sampled LID component, facility or system.<br><br>(b) A Summary summary table that lists monitoring samples collected during the preceding water year during the Permit term, including at a minimum, the following information for each sample location: Site ID; the name or ID of the LID component, facility or system name; latitude and longitude of the LID component, facility or system; type of LID component, facility or system (e.g., bioretention); characteristics and land use of the tributary drainage area of the LID component, facility or system; other management actions and controls present in the tributary drainage area of the LID component, facility or system; sample dates; and concentrations of parameters measured.<br><br>(c) A summary of lessons learned, progress made, and interim conclusions, for all samples collected during the previous water year.<br><br>(d) For all data generated during the preceding water year, a statement of data quality.<br><br>(e) The raw data generated by the preceding water year, made available to the Water Board and third parties.<br><br>(f) An outline of steps (including but not limited to study designs, methods and sites) for the upcoming water year.<br><br>(g) An analysis of the data, including the following:<br><br>(i) Identification and analysis of any trends in stormwater or receiving water quality.<br><br>(ii) A discussion of the data for each monitoring program component, which includes: |            |                                |                           |            |                               |            |                                |            |                             |            |                          |                                    |  |  |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Responsible Agency |
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|         | <p>a. Monitoring data relative to prior conditions, beneficial uses and applicable water quality standards as described in the Basin Plan, the Ocean Plan, the California Toxics Rule, and other applicable water quality control plans;</p> <p>b. Where appropriate, hypotheses to investigate regarding pollutant sources, trends, and BMP effectiveness;</p> <p>c. Identification and prioritization of water quality problems;</p> <p>d. Identification of potential sources of water quality problems;</p> <p>e. Description of followup actions;</p> <p>f. Evaluation of the effectiveness of existing control measures</p> <p>g. Identification of management actions needed to address water quality problems.</p> <p>(2) <b>An Annual Trash Monitoring Progress Report</b><sup>54</sup>, which, at a minimum, includes the following information:</p> <p>(a) Narrative description of monitoring conducted, including the number of sites monitored and the number of monitoring events completed;</p> <p>(b) Description of storms events that were sampled, including the date(s) and times when samples were collected, intensity and duration of the storm event, a description of where along the hydrograph the storm event was sampled, and justification used to determine the storm event was of appropriate size to displace and/or mobilize the transport of trash through the MS4 system;</p> <p>(c) Narrative description, including maps, of any MS4 outfalls, homeless encampments and illegal dumping sites, located upstream of each Outfall Monitoring sample site;</p> <p>(d) Description and the results of data analysis methods, including statistical analyses;</p> <p>(e) Results of lessons learned;</p> <p>(f) Data quality assurance procedures that were implemented for samples collected;</p> <p>(g) Monitoring events (including locations and methods) planned for the subsequent fiscal year(s);</p> <p>(h) A comprehensive detailed discussion of implementation of Provision C.8.e.iii.(8); and</p> <p>(i) Updates of required Trash Monitoring Plan elements.</p> <p>(3) <b>A Pesticides and Toxicity Monitoring Status Report</b>, which includes the following information:</p> <p>(a) A complete complete Water Year Summary Table that lists the monitoring sites, with a row for each site. The table columns contain: Site ID; creek name; latitude; longitude; permittee jurisdiction(s); water column toxicity (acute); water column toxicity (chronic); sediment toxicity (acute); sediment toxicity (chronic); and sediment chemistry. For each site, list the site information and check the parameters sampled at that site. Provide a statement of the data quality and an analysis of the data, including:</p> <p>(i) Discuss monitoring data relative to prior conditions, beneficial uses and applicable water quality standards as described in the Basin Plan, Ocean Plan, and California Toxics Rule and other applicable water quality control plans;</p> <p>(ii) Where appropriate, develop hypotheses to investigate regarding pollutant sources, trends, and BMP effectiveness;</p> <p>(iii) Identify and prioritize water quality impairments;</p> <p>(iv) Identify and potential sources (and actual, if known) of water quality impairments, and provide sufficient justification for those potential</p> <p>(v) Describe follow-up actions;</p> <p>(vi) Evaluate the effectiveness of existing management actions; and</p> <p>(vii) Identify additional management actions needed to address water quality impairments.</p> |                    |
| iv.     | <p><b>Pollutants of Concern Monitoring Reports</b></p> <p>(1) In each Urban Creeks Monitoring Report, the Permittees shall submit a report describing the allocation of sampling effort for POC monitoring for the forthcoming year (i.e., the water year that began October 1 of that year) and what was accomplished for POC monitoring during the preceding water year. The report shall include (for preceding year and projected for forthcoming year): monitoring locations, number and types of samples collected, purpose of sampling (management question addressed), and analytes measured. Any data not reportable to CEDEN should also be included in the Urban Creeks Monitoring Report due annually on March 31.</p> <p>(2) Receiving Water Limitations Assessment Report</p> <p>(a) By no later than March 31, 2023, Permittees shall submit a report with the following information:</p> <p>(i) Relevant water quality objectives against which to compare monitoring data;</p> <p>(ii) Analytes in addition to those listed in Table 8.2 to monitor based on assessment of the potential that discharges of these analytes may result in levels in receiving waters approaching or exceeding water quality objectives and the basis of the determination; and</p> <p>(iii) Identification of waterbodies to be sampled, sampling locations within those waterbodies, and sampling schedule consistent with the requirements in Tables 8.1 and 8.2.</p> <p>(b) The report shall be subject to approval by the Executive Officer for compliance and technical adequacy. Upon approval by the Executive Officer, Permittees shall augment the RWLs assessment monitoring required in Tables 8.1 with the analytes identified in the report.</p> <p>(c) By no later than March 31, 2026, or as part of the Integrated Monitoring Report, Permittees shall submit an updated Receiving Water Limitations Assessment Report with proposed monitoring to be conducted during the next permit term.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |

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| v.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Integrated Monitoring Report</b> - By no later than March 31, 2026, Permittees shall submit an Integrated Monitoring Report in lieu of the annual Urban Creeks Monitoring Report. This report will be part of the next Report of Waste Discharge for the reissuance of this Permit. The Integrated Monitoring Report shall report on all the data collected since the previous Integrated Monitoring Report and shall contain the following:<br>(1) The information described in Provisions C.8.h.iii.(1)-(3), pertaining to the monitoring data collected during the preceding (third) water year of the<br>(2) A comprehensive analysis of all data collected pursuant to Provision C.8. since the previous Integrated Monitoring Report,55 and may include other pertinent studies. For LID Monitoring and Trash Monitoring, this shall additionally include a summary of the methods and study designs used in all preceding water years, at each sample location. And, a summary of lessons learned, progress made, data, results, analyses, and conclusions, for all samples collected during all prior water years during the Permit term;<br>(3) For POCs, methods, data, calculations, load estimates, and source estimates for each POC parameter, as applicable;<br>(4) A budget summary for each monitoring requirement (for each year of the Permit term); and<br>(5) With cause and justification, recommendations for changes to any of the elements of Provision C.8 in future Permit terms. |                    |
| vi.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Comprehensive Bioassessment Final Report</b> – By no later than March 31, 2024, the Permittees shall collectively submit a comprehensive analysis of all bioassessment monitoring conducted by the RMC during MRP 1 and MRP 2, for Water Years 2012-2021.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| vii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Standard Report Content</b> – All monitoring reports shall be clear, concise, and well-organized, and shall include the following information:<br>(1) An Executive Secretary;<br>(2) The purpose of the monitoring and brief description of the study design rationale;<br>(3) Quality Assurance/Quality Control summaries for sample collection and analytical methods, including a discussion of any limitations of the data;<br>(4) Brief descriptions of sampling protocols and analytical methods;<br>(5) Sample location description, including water body name and segment and latitude and longitude coordinates;<br>(6) Sample ID, collection date (and time if relevant), media (e.g., water, filtered water, bed sediment, tissue);<br>(7) Concentrations detected, measurement units, and detection limits;<br>(8) Assessment, analysis, and interpretation of the data for each monitoring program component;<br>(9) A listing of volunteer and other non-Permittee entities whose data are included in the report; and<br>(10) Assessment of compliance with applicable water quality standards.                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>C.9. Pesticides Toxicity Control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
| To prevent the impairment of urban streams by pesticide-related toxicity, the Permittees shall implement a pesticide toxicity control program that addresses, within their jurisdictions, their own and others' use of pesticides that pose a threat to water quality and that have the potential to enter the municipal conveyance system. This provision implements requirements of the TMDL for Diazinon and Pesticide-Related Toxicity for Urban Creeks in the region. The TMDL includes urban runoff allocations for Diazinon of 100 ng/l and for pesticide-related toxicity of 1.0 Acute Toxicity Units (TUa) and 1.0 Chronic Toxicity Units (TUC) to be met in urban creek waters. U.S. EPA phased out urban uses of diazinon in the mid-2000s, and diazinon is no longer detected in urban creeks in the region. Pesticide-related toxicity continues to occur because State and federal pesticide regulatory programs, as currently implemented, allow pesticides to be used in ways that cause or contribute to aquatic toxicity. In adopting the TMDL implementation plan, the Water Board recognized that (1) Permittees must control their own use of pesticides, but Permittees are not solely responsible for attaining the allocations, because their authority to regulate others' pesticide use is constrained by federal and State law; and (2) because a realistic date for achieving allocations cannot be discerned given the current framework for pesticide regulation, reviewing the implementation strategy every five years, at permit reissuance, is the appropriate timeline. Accordingly, the Permittees' requirements for addressing the allocations are set forth in the TMDL implementation plan and are included in this provision. Urban-use pesticides of concern (Pesticides of Concern) to water quality include: diamides (chlorantraniliprole and cyantraniliprole); diuron, fipronil and its degradates; indoxacarb; organophosphorous insecticides (chlorpyrifos, diazinon, and malathion); pyrethroids (metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, and permethrin); carbamates (e.g., carbaryl and aldicarb); and neonicotinoids (e.g., imidacloprid, acetaminicid, and dinotefuran). |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| C.9.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Maintain and Implement an Integrated Pest Management Policy or Ordinance and Standard Operating Procedures</b><br>All Permittees have developed a pesticide toxicity control program for use of pesticides in municipal operations and on municipal property based on the concepts of Integrated Pest Management (IPM) and have adopted an IPM policy or ordinance and standard operating procedures to implement the policy or ordinance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                  |
| i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Task Description</b> –The Permittees shall implement their IPM policies or ordinances and standard operating procedures and update their IPM policies or ordinances and standard operating procedures as needed to ensure their use of pesticides does not cause or contribute to pesticide-related toxicity in receiving waters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Implementation</b> – Each Permittee shall require municipal employees and contractors to adhere to its IPM policy or ordinance and standard operating procedures in all the Permittee's municipal operations and on all municipal property.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| iii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Reporting</b><br>(1) In each Annual Report, Permittees shall certify they are implementing their IPM policy or ordinance and standard operating procedures, report trends in quantities and types of pesticide active ingredients used, and explain any increases in use of Pesticides of Concern to water quality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |

| Section                                                        | LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Responsible Agency |
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|                                                                | <p>(2) In each Annual Report, Permittees shall provide a brief description (e.g., one or two sentences) of two IPM tactics or strategies implemented in the reporting year. Examples could include non-chemical strategies such as monitoring, mowing weeds, mulching, and redesign of problematic landscapes; preventive actions such as sealing holes and gaps in structures, improving sanitation, and outreach to employees about how their actions contribute to pest presence; and integration of several strategies, such as tackling a rat problem by educating building occupants, improving sanitation, trimming trees away from buildings, sealing holes in the structure, and trapping rodents. To the extent possible, different IPM actions should be described each year, so that a range of IPM actions is described over the permit term.</p> <p>(3) In their 2023 Annual Reports, the Permittees shall provide links to their IPM policies or ordinances and IPM standard operating procedures. Permittees shall submit updated links in subsequent Annual Reports, if those links change.</p>                          |                    |
| <b>C.9.b. Train Municipal Employees</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| i.                                                             | <b>Task Description</b> – The Permittees shall ensure that all municipal employees who, within the scope of their duties, apply or use pesticides are trained in IPM practices and the Permittee’s IPM policy and/or ordinance and standard operating procedures. This training may also include other training opportunities, such as the ReScape California Maintenance Training & Qualification Program, provided both structural and landscape pest control training are provided                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
| ii.                                                            | <b>Reporting</b><br>(1) In each Annual Report, Permittees shall report the percentage of municipal employees who apply pesticides who have received training in the Permittees’ IPM policy and/or ordinance and IPM standard operating procedures within the last year. This report shall briefly describe the nature of the training, such as tailgate training provided by a Permittee’s IPM coordinator, IPM training through the Pesticide Applicators Professional Association, etc.<br>(2) The Permittees shall submit training materials (e.g., course outline, date, and list of attendees) upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
| <b>C.9.c. Require Contractors to Implement IPM</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| i.                                                             | <b>Task Description</b> – The Permittees shall include contract specifications requiring contractors to implement IPM, so that all contractors practice IPM on municipal properties. The Permittees shall monitor contractor pesticide applications to ensure that contractors implement their contract specifications in accordance with the Permittee’s IPM policies and/or ordinances and standard operating procedures. Contractor certification as a pest control advisor (PCA) alone is not evidence of IPM implementation. Similarly, IPM certifications awarded to a pest control company may not guarantee that an individual employee will always use IPM strategies. Thus, periodic Permittee observation and verification of contractor performance is necessary.                                                                                                                                                                                                                                                                                                                                                             | B                  |
| ii.                                                            | <b>Implementation</b> – Permittees shall periodically monitor their contractors’ activities to verify full implementation of IPM techniques. This shall include, at a minimum, evaluation of lists of pesticides and amounts of active ingredient used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| iii.                                                           | <b>Reporting</b> – In each Annual Report, Permittees shall describe how they verified contractor compliance with IPM policies and any actions taken or needed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| <b>C.9.d. Interface with County Agricultural Commissioners</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| i.                                                             | <b>Task Description</b> – The Permittees shall maintain communications with county agricultural commissioners to (a) get input and assistance on urban pest management practices and use of pesticides, (b) inform them of water quality issues related to pesticides, and (c) report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire ( <a href="https://www.cdpr.ca.gov/docs/legbills/calcode/040501.htm#a6970">https://www.cdpr.ca.gov/docs/legbills/calcode/040501.htm#a6970</a> ).                                                                                                                                                                                                                                                                                                             | B                  |
| ii.                                                            | <b>Reporting</b> – In each Annual Report, Permittees shall briefly describe the communications they have had with county agricultural commissioners and report follow-up actions to correct violations of pesticide regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| <b>C.9.e. Public Outreach</b>                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| i.                                                             | <b>Task Description</b> – Permittees shall undertake outreach programs to (a) encourage communities within the Permittee’s jurisdiction to reduce reliance on pesticides that threaten water quality; (b) encourage public and private landscape irrigation management that minimizes pesticide runoff; and (c) promote appropriate disposal of unused pesticides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
| ii.                                                            | <b>Implementation</b> – The Permittees shall conduct each of the following:<br>(1) <b>Point of Purchase Outreach:</b> The Permittees shall:<br>•Conduct outreach to consumers at the point of purchase;<br>•Provide targeted information on proper pesticide use and disposal, potential adverse impacts on water quality, and less toxic methods of pest prevention and control; and<br>•Participate in and provide resources for the “Our Water, Our World” program or a functionally equivalent pesticide use reduction outreach program.<br><br>(2) <b>Pest Control Contracting Outreach:</b> The Permittees shall conduct outreach to residents who use or contract for structural pest control and landscape professionals by (a) explaining the links between pesticide usage and water quality; and (b) providing information about IPM in structural pest management certification programs and landscape professional trainings; and (c) disseminating tips for hiring structural pest control operators and landscape professionals, such as the tips prepared by the University of California Extension IPM Program (UC-IPM). |                    |

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| Section                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|                                                                           | (3) <b>Outreach to Pest Control Professionals:</b> The Permittees shall conduct outreach to pest control operators, urging them to promote IPM services to customers and to become IPM-certified by EcoWise Certified or a functionally equivalent certification program. Permittees are encouraged to work with the Pesticide Applicators Professional Association; the California Association of Pest Control Advisors; DPR; county agricultural commissioners; UC-IPM; BAMSC; CASQA; EcoWise Certified Program (or functionally equivalent certification program); Bio-integral Resource Center and others to promote IPM to pest control operators.                                                                                                                                                                                                                                                                                   |                    |
|                                                                           | iii. <b>Reporting</b> – In each Annual Report, Permittees shall describe their actions taken in the three outreach categories above. Outreach conducted at the county or regional level shall be described in Annual Reports prepared at that respective level; reiteration in individual Permittee reports is discouraged. Reports shall include a brief description of outreach conducted in each of the three categories, including level of effort, messages and target audience                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| <b>C.9.f. Track and Participate in Relevant Regulatory Processes</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                                           | i. <b>Task Description</b> – The Permittees shall conduct the following activities, which may be done at a county, regional, or statewide level:<br>(1) The Permittees shall track U.S. EPA pesticide evaluation and registration activities as they relate to surface water quality and, when necessary, encourage U.S. EPA to coordinate implementation of the Federal Insecticide, Fungicide, and Rodenticide Act and the CWA and to accommodate water quality concerns within its pesticide registration process;<br>B<br>(3) The Permittees shall assemble and submit information (such as monitoring data) as needed to assist DPR and county agricultural commissioners in ensuring that pesticide applications comply with WQS; and<br>(4) As appropriate, the Permittees shall submit comment letters on U.S. EPA and DPR re-registration, re-evaluation, and other actions relating to pesticides of concern for water quality. |                    |
|                                                                           | ii. <b>Reporting</b> – In each Annual Report, Permittees shall summarize participation efforts, information submitted, and how regulatory actions were affected. Permittees who contribute to a county, regional, or statewide effort shall submit one report at the county or regional level. Duplicate reporting is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| <b>C.9.g. Evaluate Implementation of Pesticide Source Control Actions</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                                           | i. <b>Task Description</b> – This task is necessary to gauge how effective the implementation actions taken by Permittees are in (a) achieving TMDL targets and (b) avoiding future pesticide-related toxicity in urban creeks. Once during the permit term, Permittees shall conduct a thoughtful evaluation of their IPM efforts, how effective these efforts appear to be, and how they could be improved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                                                           | ii. <b>Implementation</b> – The Permittees shall evaluate the effectiveness of the pesticide control measures implemented by their staff and contractors, evaluate attainment of pesticide concentration and toxicity targets for water and sediment from monitoring data (collected by Permittees, research agencies, and/or State agencies), and identify additions and/or improvements to existing control measures needed to attain targets, with an implementation time                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                                           | iii. <b>Reporting</b> – In their 2025 Annual Reports, the Permittees shall submit this evaluation, which shall include an assessment of the effectiveness of their IPM efforts required in Provisions C.9.a-f (including the effectiveness of outreach efforts required by Provision C.9.e); a discussion of any improvements made in these efforts in the preceding five years; and any changes in water quality regarding pesticide toxicity in urban creeks. This evaluation shall also include a brief description of one or more pesticide-related area(s) the Permittee will focus on enhancing during the subsequent permit term. Work conducted at the county or regional level shall be evaluated at that respective level; reiteration in individual Permittee evaluation reports is discouraged.                                                                                                                               |                    |
| <b>C.10. Trash Load Reduction</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|                                                                           | Permittees shall implement trash load reduction control actions in accordance with the following schedule and trash generation area management requirements, including mandatory minimum full trash capture systems, to meet the goal of 100 percent trash load reduction or no adverse impact to receiving waters from trash by June 30, 2025.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|                                                                           | i. <b>Schedule-</b> Permittees shall reduce trash discharges from 2009 levels, described below, to receiving waters in accordance with the following schedule:<br>(1)90 percent by June 30, 2023; and<br>(2)100 percent by June 30, 2025.<br>Permittees that do not attain the 90 percent compliance benchmark by June 30, 2023, shall submit a revised trash load reduction plan as described in Provision C.10.d and a schedule of implementation of additional trash load reduction control actions sufficient to achieve compliance with the 90 percent compliance benchmark within a reasonable timeframe, and the 100 percent compliance benchmark by June 30, 2025                                                                                                                                                                                                                                                                 | D                  |



| Section                                                  | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Responsible Agency |
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| ii.                                                      | <p>Trash Generation Area Management - Permittees shall demonstrate attainment of the Provision C.10.a.i trash discharges percentage-reduction requirements by management of mapped trash generation areas within their jurisdictions delineated on Trash Generation Area Maps included with their Long-Term Trash Reduction Plans, submitted in February 2014, in accordance with the requirements and accounting set forth in this provision. The February 2014 maps provide the 2009 trash levels and delineate trash generation areas within Permittees' jurisdictions into the following trash generation rate categories:</p> <p>Low = less than 5 gal/acre/yr;<br/>Moderate = 5-10 gal/acre/yr;<br/>High = 10-50 gal/acre/yr; and<br/>Very High = greater than 50 gal/acre/yr.</p> <p>Permittees also designated trash management areas on their February 2014 maps encompassing one or more trash generation areas, within which they will implement trash control actions. With the 2024 Annual Report, Permittees shall submit a revised Trash Generation Area Map that includes trash management areas, as well as private land drainage areas (See Provision C.10.a.ii.b) that will be retrofitted with full trash capture devices, or equivalent, by June 30, 2025. The updated trash generation map(s) shall include GIS layers and appropriate metadata (including tables etc.) that identify locations and associated drainage areas of full trash capture systems, and other trash control actions, and shall highlight any revisions or changes from the previous map(s). Permittees may provide access to multilayered GIS maps that account for other trash control action details and locations rather than submitting that information in a document. Maps and data generated through this effort may be used to illustrate progress toward achieving the trash</p> <p>(a) Permittees shall implement trash prevention and control actions, including full trash capture systems or other trash management actions, or combinations of actions, with trash discharge control equivalent to or better than full trash capture systems, to reduce trash generation to a Low trash generation rate or better.</p> <p>A full capture device or system is a treatment control, or series of treatment controls, including, but not limited to, a multi-benefit project (as defined in the Trash Amendments) or a low-impact development control that traps all particles that are 5 mm or greater, and has a design treatment capacity that is either: a) of not less than the peak flow rate, Q, resulting from a one-year, one-hour storm in the subdrainage area, or b) appropriately sized to, and designed to carry at least the same flows as, the corresponding storm drain. The device(s) must also have a trash reservoir large enough to contain a reasonable amount of trash safely without overflowing trash into the overflow outlet between maintenance events. Types of systems certified by the State Water Resources Control Board are deemed full capture systems. A stormwater treatment facility implemented in accordance with Provision C.3 is also deemed a full capture system if the facility, including its maintenance, prevents the discharge of trash to the downstream MS4 and receiving waters and discharge points from the facility, including overflows, are appropriately screened or otherwise configured to meet the full trash capture screening specification for storm flows up to the full trash capture one-year, one-hour storm hydraulic specification. Actions equivalent to full trash capture are actions that send no more trash down the storm drain system than a full trash capture device would allow, which is essentially no trash discharge except in very large storm flows. The Provision C.10.a.i percent reductions shall be demonstrated by percent of 2009 Very High, High, and Moderate trash</p> <p>(b) By July 1, 2025, Permittees shall ensure that private lands that are moderate, high, or very high trash generating, and that drain to storm drain inlets that Permittees do not own or operate (private), but that are plumbed to Permittees' storm drain systems are equipped with full trash capture systems or are managed with trash discharge control actions equivalent to or better than full trash capture systems. The efficacy of actions equivalent to or better than full trash capture systems shall be assessed with visual assessments in accordance with Provision C.10.b.iii. If there is a full trash capture device downstream of these private lands that is designed, operated, and maintained to control trash discharges from that land area, no other trash control is required.</p> | D                  |
| <b>C.10.b. Demonstration of Trash Reduction Outcomes</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| i.                                                       | <p><b>Full Trash Capture Systems</b> – Permittees shall maintain, and provide for inspection and review upon request, documentation of the design, operation, and maintenance of each full trash capture system, including the mapped location and drainage area served by each system. Permittees shall provide their respective vector control agencies with the names and locations of new and existing full trash capture devices.</p> <p>(a) <b>Inspection and Maintenance</b> – Permittees shall inspect and maintain full trash capture devices to ensure that they are operating appropriately and have sufficient operating capacity to capture trash consistent with the requirements of this Provision. The inspection and maintenance of each full capture device shall be at a frequency sufficient to prevent plugging, including plugging of the 5 mm screen leading to trash overflow and bypass, flooding, or a full condition of the device's trash reservoir causing bypassing of trash. At a minimum, all full trash capture devices shall be inspected and maintained once per year. In High and Very High trash generation areas, all full trash capture devices shall be inspected at least twice per year (and maintained as necessary), with the inspections spaced at least three months or more apart.</p> <p>(b) For catch basin insert type full capture systems, if any such device is found to have a plugged or blinded screen, or is 50 percent full or greater, during an inspection or a maintenance event, the inspection and maintenance frequency shall be increased so that the device is neither plugged nor 50 percent or more full of trash at the next inspection or maintenance event. For high-flow capacity devices, if any such device is found to have a plugged or blinded screen, or exhibits a condition that exceeds the manufacturer's guidelines for requiring maintenance, the inspection and maintenance frequency shall be increased so that the device is neither plugged nor exceeds the manufacturer's guidelines during the next inspection or maintenance event.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
| ii.                                                      | <p><b>Maintenance Records</b> – Permittees shall retain device-specific maintenance records, including, at a minimum: device type, date of installation, location, drainage area, date(s) of inspection and maintenance, the capacity condition of the device at the time of inspection and maintenance (full and overflowing or with storage capacity remaining), any special problems such as flooding, screen blinding or plugging from leaves, plastic bags, or other debris causing overflow, any damage reducing function, or other negative conditions. A summary of this information shall be reported in each Annual Report and may be limited to the number of full capture devices maintained that exhibited a plugged, 50 percent or more full, or overflowing condition</p> <p>(a) <b>Certification</b> – Permittees shall certify annually that each full trash capture system is operated and maintained to meet full trash capture system requirements. Drainage areas served by an adequately maintained full trash capture system will be considered equivalent to or better than a Low trash generation rate area.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |

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| iii.    | <p><b>Other Trash Management Actions</b> – Permittees shall maintain, and provide for inspection and review upon request, documentation of non-full trash capture system trash control actions that verifies implementation of each action. Permittees shall also conduct assessment of the action that verifies effectiveness of the action or combination of actions and maintain, and provide for inspection and review upon request, documentation of assessments.</p> <p>(a) <b>Implementation Documentation</b> – Permittees shall maintain documentation of trash control actions that describes each action or combination of actions, the level of implementation, the timing and frequency of implementation, standard operating procedures if applicable, location(s) of implementation actions including mapped location(s) and drainage area(s) affected or description of areal extent, tracking and enforcement procedures if applicable, and other information relevant to effective implementation of the action or combination of actions.</p> <p>(b) <b>Visual Assessment of Outcomes of Other Trash Management Actions</b> – Permittees shall conduct visual on-land assessment, including photo documentation, or other acceptable assessment method (see Provision C.10.b.iii.(b)(iv)), of each trash generation area within which it is implementing other trash management actions or combination of actions other than full trash capture, to determine or verify the effectiveness of the action or combination of actions. Permittees may assess and account for one or more trash generation areas in a single trash management area within which a control action or combination of control actions is implemented. The visual on-land assessment method used shall meet or exceed the following criteria:</p> <p>(i) Conduct observations of the sidewalk, curb and gutter within each trash management area, or locations associated with sources of trash.</p> <p>(ii) Conduct observations at randomly selected locations covering at least ten percent of a trash management area's street miles or at strategic locations, provided they are representative of trash generation in the management area and they will represent the effectiveness of the control action(s) implemented or planned in the management area.</p> <p>(iii) Conduct observations at a frequency consistent with known or estimated trash generation rate(s) within a trash management area and the time frequency of the control action(s) implemented or planned in the management area. Conduct observations for effectiveness approximately at the halfway point of the interval between instances of recurring trash control actions such as street sweeping and on-land cleanup.</p> <p>(iv) Permittees may put forth substantive and credible evidence that certain management actions or sets of management actions when performed to a specified performance standard yield a certain trash reduction outcome reliably. Permittees shall submit such evidence to the Executive Officer as a submittal separate from any other submittals or reports. If this evidence is accepted by the Executive Officer, the Permittees may claim a similar trash reduction outcome by demonstrating that they have performed these management actions at the specified performance standard.</p> |                       |
| iv.     | <p><b>Percentage Discharge Reduction</b> – Percentage discharge reduction from 2009 from Very High generation areas reduced to High, Moderate, and Low, High generation areas reduced to Moderate and Low, and Moderate trash generation areas reduced to Low trash generation category to meet the required total percent reduction (% Reduction) shall be calculated based on the following formula:</p> $\% \text{ Reduction} = 100 [(12A_{VH(2009)} + 4A_{H(2009)} + A_{M(2009)}) - (12A_{vh} + 4A_h + A_m)] / (12A_{VH2009} + 4A_{H2009} + A_{M2009})$ <p>where:</p> <p><math>A_{VH(2009)}</math> = total amount of the 2009 very high trash generation category jurisdictional area</p> <p><math>A_{H(2009)}</math> = total amount of the 2009 high trash generation category jurisdictional area</p> <p><math>A_{M(2009)}</math> = total amount of the 2009 moderate trash generation category jurisdictional area</p> <p><math>A_{vh}</math> = total amount of very high trash generation category jurisdictional area in the reporting year</p> <p><math>A_h</math> = total amount of high trash generation category v jurisdictional area in the reporting year</p> <p><math>A_m</math> = total amount of moderate trash generation category jurisdictional area in the reporting year</p> <p>12 = Very High to Moderate weighing ratio</p> <p>4 = High to Moderate weighing ratio</p> <p>100 = fraction to percentage conversion factor</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |

| LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Responsible Agency      |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
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| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| v.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Source Control</b> – Permittee jurisdiction-wide actions to reduce trash at the source, particularly persistent trash items other than those addressed under previous Permits (foam foodware and single-use plastic bags) may be valued toward trash load reduction compliance by up to ten percent load reduction total for all such actions. To claim a load percentage reduction value, Permittees must provide substantive and credible evidence that new source control actions are being implemented jurisdiction-wide and reduce trash by the claimed value. A Permittee may support its claimed source reduction value with reference studies from other jurisdictions provided that it also provide credible evidence that the chosen source control action would achieve comparable trash reduction if implemented in the Permittee’s jurisdiction. A jurisdiction-wide source control load reduction value cannot be claimed after June 30, 2025. However, Permittees may demonstrate and claim full trash capture equivalence of a source control in specific trash generation areas or in combination with other controls in an area if the control or combination of controls are documented, assessed, and verified in accordance with Provision C.10.b.iii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| VI.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Partial Trash Reduction – Curb Inlet Screens</b> – Studies conducted by the Permittees during MRP 2 assessed the benefit of other control measures, such as curb inlet screens in combination with street sweeping, in reducing the amount of trash discharged through MS4s. However, additional information is needed to determine the effectiveness of curb inlet screens in reducing trash within a given trash management area. Permittees may demonstrate through further assessment and study, as described below, that the installation and appropriate maintenance of curb inlet screens, accompanied by street sweeping at an appropriate frequency, within Moderate trash generation areas can effectively reduce the trash generation rate to Low under the following conditions:<br>a. Permittees shall propose an acceptable method to verify that the area where curb inlet screens have been or will be installed are Moderate trash generating. Permittees shall also propose an appropriate method and frequency of verification, post installation, on the change (if any) in the trash generation rate following the installation of curb inlet screens.<br>b. Permittees shall propose an appropriate street sweeping frequency where curb inlet screens are installed that, when implemented, effectively reduces the area’s trash generation rate to Low.<br>c. At a minimum, Permittees shall evaluate street sweeping effectiveness based on multiple factors other than frequency, and sufficient to allow a determination of proper and effective street sweeper access. Examples of additional evaluations that could be completed include effectiveness associated with enhanced street/curb accessibility via proper signage, ticketing, and towing vehicles when appropriate.<br>d. The inspection and maintenance of each curb inlet screen shall be conducted at a frequency sufficient to ensure the screen is functioning appropriately, e.g., a screen is not stuck in an open position or plugged, including plugging of the screen leading to opening of the screen under flows less than those described in Provision C.10.a.ii.(a).<br>e. Permittees shall propose an appropriate method of covering/blocking horizontal surface grates during street sweeping events (to prevent trash from being swept into the grates), and an appropriate method for capturing smaller pieces of trash/debris from entering the MS4 via the horizontal surface grates.<br>f. Permittees shall submit the results of the additional study, as described above, for Executive Officer approval. The report must appropriately describe and demonstrate the conditions under which the combined use of curb inlet screens and street sweeping effectively reduce the trash generation rate of an area from Moderate to Low. |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| <b>C.10.c Requirements for Flood Management Agencies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                       |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| Flood management agencies must continue to implement requirements for trash capture systems, as specified in Table 10-1, below. Flood management agencies must also implement trash control measures such as trash pickups and installation of trash receptacles, to control Moderate, High, and Very High trash generation areas within their jurisdiction including, but not limited to, parking lots, trailhead areas, and along recreational paths and trails, and demonstrate effectiveness of these trash control measures as specified in Provision C.10.b.iii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| <div><b>Table 10-1. Requirements for Flood Management Agencies</b><table><tr><th>Flood Management Agency</th><th>Trash Capture Requirement</th></tr><tr><td>Santa Clara Valley Water District</td><td>4 trash booms or 8 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures</td></tr><tr><td>Alameda County Flood Control Agency</td><td>3 trash booms or 6 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures</td></tr><tr><td>Alameda Co. Zone 7 Flood Control Agency</td><td>1 trash boom or 2 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures</td></tr><tr><td>Contra Costa County Flood Control Agency</td><td>2 trash booms or 4 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures</td></tr><tr><td>San Mateo County Flood and Sea Level Rise Resiliency District</td><td>1 trash boom or 2 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures</td></tr><tr><td>Vallejo Flood &amp; Wastewater District</td><td>1 trash boom or 2 outfall capture devices or equivalent measures (minimum 2 ft. diameter outfall)</td></tr></table></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Flood Management Agency | Trash Capture Requirement | Santa Clara Valley Water District | 4 trash booms or 8 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures | Alameda County Flood Control Agency | 3 trash booms or 6 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures | Alameda Co. Zone 7 Flood Control Agency | 1 trash boom or 2 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures | Contra Costa County Flood Control Agency | 2 trash booms or 4 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures | San Mateo County Flood and Sea Level Rise Resiliency District | 1 trash boom or 2 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures | Vallejo Flood & Wastewater District | 1 trash boom or 2 outfall capture devices or equivalent measures (minimum 2 ft. diameter outfall) |  |
| Flood Management Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Trash Capture Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| Santa Clara Valley Water District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 trash booms or 8 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| Alameda County Flood Control Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 trash booms or 6 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| Alameda Co. Zone 7 Flood Control Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 trash boom or 2 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| Contra Costa County Flood Control Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 trash booms or 4 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| San Mateo County Flood and Sea Level Rise Resiliency District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1 trash boom or 2 outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| Vallejo Flood & Wastewater District                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 trash boom or 2 outfall capture devices or equivalent measures (minimum 2 ft. diameter outfall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |
| <b>C.10.d. Trash Load Reduction Plans</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                       |                           |                                   |                                                                                                    |                                     |                                                                                                    |                                         |                                                                                                   |                                          |                                                                                                    |                                                               |                                                                                                   |                                     |                                                                                                   |  |

| LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Responsible Agency |
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| Section                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                                                                                                                                                                                                                                                                                    | i. Permits shall maintain, and provide for inspection and review upon request, a Trash Load Reduction Plan, including an implementation schedule to meet the Provision C.10.a Trash Load Reduction requirements. A summary of any new revisions to the Plan shall be included in the Annual Report. The Plan shall describe trash load reduction control actions being implemented or planned and the trash generation areas or trash management areas where the actions are or will be implemented, including jurisdiction-wide actions such as source control ordinances. The Plans may include actions to control sources outside of the Permittees' jurisdictions that are causing or contributing to adverse trash impacts in the receiving water(s). Permittees that choose to implement such control actions may account for them towards meeting the Provision C.10.a Trash Load Reduction requirements as long as they can demonstrate the controls will be sustained, and they quantify the sustained load reduction benefit (relative to control actions in the trash generation areas or trash management areas in their jurisdiction that drained to the affected receiving water).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                                    | ii. Permittees shall calculate their trash load reduction, relative to 2009 baseline conditions, without the trash load reduction offsets described in Provision C.10.f, as of June 30, 2023. If that reduction is less than 90 percent, then Permittees shall develop and implement an updated Trash Load Reduction Plan. Pursuant to Provision C.22.c, the updated Trash Load Reduction Plan shall include a schedule of additional trash load reduction implementation actions sufficient to achieve compliance with the 90 percent compliance benchmark within a reasonable timeframe, and the 100 percent reduction from 2009 levels, achieved through implementation of full trash capture, or other equivalent actions, consistent with the requirements of this Provision, by June 30, 2025. Permittees shall submit their updated Trash Load Reduction Plans with their 2023 Annual Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|                                                                                                                                                                                                                                                                                                                    | iii. Permittees unable to attain 100 percent trash load reduction, relative to 2009 baseline conditions, by June 30, 2025, while accounting for credits from new source controls (as described in Provision C.10.b.v) may be granted additional time until December 31, 2025, and East Contra Costa County Permittees until June 30, 2026, to achieve 100 percent reduction via full trash capture, or equivalent, contingent on developing and implementing an approved Direct Discharge Control Plan as described in Provision C.10.f.ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
| <b>C.10.e Impracticability Report</b>                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
| Permittees may collectively submit a programmatic report by March 31, 2023, for the approval of the Executive Officer, that describes conditions under which it is impracticable to control trash via full trash capture devices. The impracticability report shall include, but not be limited to, the following: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| i.                                                                                                                                                                                                                                                                                                                 | A description of the engineering constraints that prevent the installation of full trash capture devices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| ii.                                                                                                                                                                                                                                                                                                                | A process for evaluating and determining impracticability of full trash capture devices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| iii.                                                                                                                                                                                                                                                                                                               | Alternative Controls: The report shall include alternative controls or a combination of controls that may be implemented to reduce trash loads to meet the requirements and deadlines in Provision C.10.a. Examples of alternative controls include, but are not limited to, requiring businesses or property owners to pick up litter, successful implementation of excess trash receptacles and collection services, increased code enforcement or parking enforcement/ticketing/towing, additional trash pick-ups, street sweeping, assessment and execution of cooperative implementation opportunities with Caltrans or neighboring Permittees, curb inlet screens, and long term measures such as pump station or storm drain retrofits, implementation of green stormwater infrastructure that controls trash, or changes to the catchment to allow effective implementation of full trash capture measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| iv.                                                                                                                                                                                                                                                                                                                | Permittees shall use an approved trash impracticability report in developing the updated Trash Load Reduction Workplans required by Provision C.10.d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| <b>C.10.f Optional Trash Load Reduction Offset Opportunities</b>                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
| i.                                                                                                                                                                                                                                                                                                                 | <p><b>Creek and Shoreline Cleanup</b> – A Permittee may offset part of its Provision C.10.a trash load percent reduction requirement by conducting cleanup of creek and shoreline areas. The creek and shoreline cleanup efforts should be conducted at a minimum frequency of twice per year, and sufficient to demonstrate sustained improvement of the creek or shoreline area. The maximum offset that may be claimed is ten percent. Offsets for creek and shoreline cleanups will no longer be applicable after June 30, 2025. A Permittee may claim a load reduction offset of one percent for the June 30, 2023 mandatory trash reduction compliance benchmark for each total of trash volume removed from cleanups that is ten percent of the Permittees' 2009 trash load volume estimates, based on its trash generation maps and average categorical trash generation rates (see Provision C.10.a.ii), in accordance</p> $1\% \text{ Reduction Offset (Volume)} = (12 + 4 A_{H(2009)} + A_{M(2009)}) OF$ <p>where:</p> <p><math>A_{VH(2009)}</math> = total amount of 2009 very high trash generation category jurisdictional area</p> <p><math>A_{H(2009)}</math> = total amount of 2009 high trash generation category jurisdictional area</p> <p><math>A_{M(2009)}</math> = total amount of 2009 moderate trash generation category jurisdictional area</p> <p>12 = Very High to Moderate weighing ratio</p> <p>4 = High to Moderate weighing ratio</p> <p>OF = offset factor equal to (7.5 x 0.1) for the 2023 mandatory trash load reduction deadline, where 7.5 is the conversion from acres to gallons based on trash generation rates and 0.1 is the ten to one offset ratio.</p> |                    |

| Section | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Responsible Agency |
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| ii.     | <p><b>Direct Trash Discharge Controls</b> – Permittees with an approved Direct Discharge Control Plan (DDCP) may claim up to fifteen percent using the Provision C.10.f.i formula towards offsetting their Provision C.10.a trash load percent reduction requirement. The DDCP shall include a detailed description of control measures the Permittee will implement to control the direct discharge of trash to receiving waters from non-storm drain system sources. Offsets for direct discharge controls will no longer be applicable after June 30, 2025. Permittees wishing to submit a new DDCP pursuant to Provision C.10.d.iii shall submit the DDCP for approval no later than April 1, 2024. Permittees with an existing DDCP approved during the Previous Permit shall submit an updated DDCP for approval no later than January 3, 2023, in order to continue claiming trash load percent reduction offsets. DDCPs shall be sufficient to provide trash reduction benefits equivalent to or greater than the areas not yet in compliance, as calculated using the formula in Provision C.10.b.iv, and shall include:</p> <p>(a) A description of sources of the directly discharged trash;</p> <p>(b) A description of control actions that will be implemented during the permit term to prevent or reduce direct discharge trash loads, including those associated with unsheltered homeless populations and illegal dumping, in a systematic and comprehensive manner;</p> <p>(i) For Permittees whose DDCPs address significant discharges from populations experiencing unsheltered homelessness, systematic and comprehensive implementation of control actions shall include a commitment to, and a plan for, increasing the provision of emergency, transitional, and/or permanent housing, and the following services: trash and sanitary services, and other services which are necessary to reduce discharges associated with unsheltered homelessness, such as RV safe parking areas and pump out services, and social services that can help the unsheltered homeless transition to housing. The DDCP shall prioritize providing housing and services to people experiencing unsheltered homelessness who are living near receiving waters. The DDCP shall document the existing capacities for housing and services as of the time of the DDCP's submittal, and include projections of changes to these capacities for each subsequent year during the Permit term.</p> <p>(ii) For Permittees whose DDCPs address significant discharges from illegal dumping, systematic and comprehensive implementation of control actions shall include a commitment to, and a plan for, actions that will prevent direct discharges of trash to receiving waters from illegal dumping. Such actions include, but are not limited to, abating illegal dumping sites, providing dumping vouchers (particularly to socioeconomically disadvantaged communities), holding free waste drop-off events, and implementing onsite structural BMPs to prevent direct discharges from illegal dumping sites to receiving waters. The DDCP shall prioritize addressing illegal dumping that occurs near receiving waters. The DDCP shall document existing sites where illegal dumping occurs, controls at illegal dumping sites, voucher and free waste drop-off programs, and include projections for reductions in illegal dumping, increases of controls at illegal dumping sites, and expansions of (or the creation of) programs to control illegal dumping, such as dumping voucher programs and waste drop-off events, for each subsequent year during the Permit term.</p> <p>(iii) For Permittees whose DDCPs address significant discharges from both unsheltered homeless populations and illegal dumping sites, Permittees shall submit DDCPs in compliance with both Provisions C.10.f.ii.b.(i) and C.10.f.ii.b.(ii).</p> <p>(c) A map of the affected receiving water area and associated watershed; and</p> <p>(d) A description of how effectiveness of controls will be assessed, including documentation of controls, quantification of trash volume controlled, and assessment of resulting improvements to receiving water conditions.</p> |                    |
| C.10.g. | <b>Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | Each Permittee shall provide the following in each Annual Report or otherwise by the date specified:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| i.      | With each Annual Report, a summary of trash control actions within each trash management area, including the types of actions, levels of implementation, areal extent of implementation, and whether the actions are ongoing or new, including initiation date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| ii.     | With their 2024 Annual Report, Permittees shall submit a revised trash generation area map or maps, as described in Provision C.10.a.ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| iii.    | With each Annual Report, a summary of implementation actions and progress toward meeting the July 1, 2025, requirement for all private lands to implement full trash capture systems, or be managed with trash discharge control actions equivalent to or better than full trash capture systems, as required in Provision C.10.a.ii.(b).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| iv.     | With each Annual Report, certification that each of its full trash capture systems is operated and maintained to meet full trash capture system requirements; a description of any system(s) that did not meet full trash capture system requirements (e.g., due to plugging or overflowing); and any corrective actions taken.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| v.      | With each Annual Report, an accounting of its non-full trash capture system trash control actions assessments by providing a summary description of assessments in each of its trash management areas, including the number and dates of observations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| vi.     | Permittees unable to attain the 90 percent mandatory trash reduction compliance benchmark by June 30, 2023, via full trash capture, or equivalent, shall, by June 30, 2023, submit a notice of noncompliance, pursuant to Provision C.22.c and an updated Trash Load Reduction Plan as described in Provision C.10.d.ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| vii.    | With their 2023 Annual Report, Permittees shall submit a report evaluating their trash reduction, relative to 2009 baseline conditions, as of June 30, 2023, without including offsets. Permittees unable to meet the 90 percent mandatory trash reduction compliance benchmark without the trash load reduction offsets described in Provision C.10.f shall submit, with their 2023 Annual Report, an updated Trash Load Reduction Plan as described in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |

| LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Responsible Agency |
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|                                                               | viii. Permittees unable to attain 100 percent trash load reduction, relative to 2009 baseline conditions, by June 30, 2025, while accounting for credits from new source control (as described in Provision C.10.b.v) shall, by June 30, 2025, submit a notice of noncompliance pursuant to Provision C.22.c, including a plan to come into compliance with the 100 percent trash load reduction requirement. Permittees may be granted additional time until December 31, 2025, and East Contra Costa County Permittees until June 30, 2026, to achieve 100 reduction via full trash capture, or equivalent, contingent on developing and implementing a direct discharge control plan (DDCP) as described in Provision C.10.f.ii. Permittees, except East Contra Costa County Permittees, that are granted additional time until December 31, 2025, to attain 100 percent reduction via full trash capture, or equivalent, shall submit by December 31, 2025, either a report that confirms that they reached 100 percent trash load reduction by December 31, 2025, or a notice of noncompliance pursuant to Provision C.22.c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|                                                               | ix. By March 31, 2023, Permittees may collectively submit a programmatic report for the approval of the Executive Officer, that describes typical conditions where it may be impracticable to control trash via full trash capture devices, as described in Provision C.10.e.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                               | x. With the 2024 Annual Report, Permittees that offset part of their Provision C.10.a trash load percent reduction requirement through additional cleanup of creek and shoreline areas, as described in Provision C.10.f.i, shall submit a summary of the additional cleanup actions implemented, and the benefit to water quality achieved through those actions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|                                                               | xi. Starting with the 2023 Annual Report, Permittees with approved DDCPs shall provide the following information in each Annual Report for which they use an offset from the implementation of Provision C.10.f.ii towards their trash load percent reduction:<br><br>(1) For Permittees whose DDCPs address significant discharges from unsheltered homeless populations, the following information for the current year, and for each prior year of the Permit term: The estimated number of people experiencing unsheltered homelessness in their jurisdiction; the estimated number of people experiencing unsheltered homelessness living within approximately 500 feet of receiving waters; the estimated portion of those populations provided housing as described in Provision C.10.f.ii.b.(i); the estimated portion of those populations served with the services described in Provision C.10.f.ii.b.(i); the number and scope of sanitation controls and services provided to homeless encampments; the number and scope of trash controls and services provided to homeless encampments; and the number and scope of sanitary cleanouts and other services provided to RVs. Each of these reporting elements shall be accompanied by a narrative description.<br><br>(2) For Permittees whose DDCPs address significant discharges from illegal dumping sites, the following information for the current year, and for each prior year of the Permit term: The total number of active illegal dumping sites; the number of active illegal dumping sites within approximately 500 feet of receiving waters; the number of illegal dumping sites where trash was collected and the amount of material collected; dumping vouchers provided (and who they are provided to); dumping vouchers used; and outreach and education provided to the public regarding illegal dumping and the availability of dumping vouchers. Each of these reporting elements shall be accompanied by a narrative description.<br><br>(3) For Permittees whose DDCPs address significant discharges from both unsheltered homeless populations and illegal dumping sites, the Permittees shall report on both Provision C.10.g.xi.(1) and C.10.g.xi.(2) in each Annual Report. |                    |
| <b>C.11. Mercury Controls</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|                                                               | The Permittees shall implement the following control program for mercury. This control program consists of load reduction assessment, source control measures, treatment control measures, measures to reduce risk to consumers of Bay fish, and reporting on all these measures according to the provisions below. The provisions implement the urban runoff requirements of the San Francisco Bay and Guadalupe River Watershed mercury TMDLs for those waters identified therein and reduce mercury loads by approximately 10 kg/yr, making substantial progress toward achieving the urban runoff mercury load allocations established for the TMDLs. The San Francisco Bay mercury TMDL implementation plan calls for attainment of the regionwide, urban runoff wasteload allocation of 82 kg/yr by February 2028. This mercury wasteload allocation represents a load reduction from all urban runoff sources to the Bay of approximately 78 kg/yr compared to loads estimated using data collected prior to development of the TMDL. To measure progress, the TMDL implementation plan calls for attainment of an interim loading milestone by February 2018 of 120 kg/yr, halfway between the 2003 estimated load, 160 kg/yr, and the aggregate allocation. This interim loading milestone has been achieved. The Permittees may comply with any requirement of this Provision through a collaborative effort and are encouraged to do so.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
| <b>C.11.a. Assess Mercury Load Reductions from Stormwater</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
| i.                                                            | Task Description – The Permittees shall implement an assessment methodology and data collection program to quantify, in a technically sound manner, mercury loads reduced through implementation of pollution prevention, source control, and treatment control, green stormwater infrastructure and other measures taken as part of the mercury control program defined by this provision. A technically sound load reduction accounting system is described in the Fact Sheet and is based on information submitted by Permittees in the January 2014 Integrated Monitoring Report and updated through reporting during the last Permit term as part of Reasonable Assurance Analysis reporting submitted by all Programs in September 2020. This accounting system describes calculation methodologies, data requirements, and model parameters used to quantify the load reduction for each type of control measure. The Permittees shall use the assessment methodology to demonstrate the load reductions achieved during this Permit term as well as progress toward achieving the MRP program area mercury TMDL wasteload allocations. The Permittees shall update this assessment methodology as necessary for use in the subsequent permit term.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Responsible Agency |
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| ii.                                                                     | <b>Implementation Level</b> – The Permittees shall quantify the mercury load reductions achieved through all the pollution prevention, source control, green stormwater infrastructure, and other treatment control measures implemented during this Permit term as described in Provisions C.11.b through C.11.e. For this Permit term, the Permittees will achieve a regionwide total load reduction of approximately 10 kg mercury/yr if they implement effective mercury control measures consistent with all requirements of Provisions C.11.b through C.11.g. The Permittee-specific portion of the regionwide mercury load reduction estimate shall be based on the proportion of county population in each municipality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
| iii.                                                                    | <b>Reporting</b><br><br>(1) In each Annual Report, Permittees shall submit documentation confirming that all control measures effectuated during the previous Permit term for which load reduction credit was recognized continue to be implemented at an intensity sufficient to maintain the credited load reduction.<br><br>(2) In the 2026 Annual Report, Permittees shall report the total loads reduced using the assessment methodologies described and cited in the Fact Sheet to demonstrate cumulative mercury load reduced from each control measure implemented since the beginning of the Permit term. This report shall also include an estimate of load reductions from control measures taking place after the 2026 Annual Report submittal but before the end of the permit term. Permittees shall submit all supporting data and information necessary to substantiate the load reduction estimates.<br><br>(3) In their 2026 Annual Report, the Permittees shall submit, for Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions from control measures in the subsequent Permit. Any refinements to the methodologies shall be subject to public review.                                                                                                                                                                                                                                                                    | D                  |
| <b>C.11.b. Program for Source Property Identification and Abatement</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                  |
| i.                                                                      | <b>Task Description</b> – Permittees shall investigate, using both conventional sampling and laboratory analysis techniques, land areas that likely contribute mercury to municipal separate storm sewer system (MS4s). These investigations will likely focus on land areas where industrial activities occurred prior to 1980 and continue today (i.e., old industrial land use areas). For those properties or land areas found to be contributing substantial amounts of mercury or where high mercury concentrations are found (generally areas with sediment concentrations greater than 0.5 mg Hg/kg), Permittees shall take action to abate the mercury sources into their MS4s or refer the properties to the Water Board for follow-up measures. Historical monitoring data suggest that mercury concentrations on or near source properties are similar to those found in urban areas in general so identification of source properties for referral may be based on presence of high PCBs concentrations (generally 0.5 mg PCBs/kg) alone. For each source property referred to the Water Board, Permittees shall implement interim enhanced operation and maintenance (enhanced O&M) measures in the street or storm drain infrastructure adjacent to the referred source property or implement a stormwater treatment system downstream of the property. These enhanced O&M measures shall be sufficient to intercept historically deposited contaminated sediment in the vicinity of the source area and prevent further | D                  |
| ii.                                                                     | <b>Implementation Level</b> – Permittees shall investigate the following acreage of likely mercury source properties (accomplished through C.12.b investigations) during the permit term.<br><ul style="list-style-type: none"> <li>•Alameda County:2,620 acres</li> <li>•Contra Costa County:1,700 acres</li> <li>•San Mateo County:1,411 acres</li> <li>•Santa Clara County:913 acres</li> <li>•Solano County:21 acres</li> </ul> If high mercury concentrations associated with a likely source property are detected, Permittees may submit monitoring information to support estimation of the aerial yield to receive mercury load reduction credit, contingent upon implementation of interim enhanced O&M measures in the street or storm drain infrastructure adjacent to the source property or implementation of a stormwater treatment system downstream of the property.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| iii.                                                                    | <b>Reporting</b><br><br>(1) In each of the 2022 through 2026 Annual Reports, Permittees shall report progress on the acreage of land areas investigated, including progress toward investigation of 100 percent of the old industrial land use indicated above. The reporting shall indicate what action was taken for the parcels investigated (e.g., abatement, referral, enforcement, etc.). Permittees shall submit all supporting data and information including referral reports.<br><br>(2) Permittees shall report annually on ongoing enhanced O&M activities associated with all past contaminated property referrals. Prior to all new referrals, Permittees shall submit, for staff review and comment, a detailed description of the enhanced O&M plan for the referred properties.<br><br>(3) In their 2026 Annual Report, Permittees shall report as part of reporting under Provision C.11.a.iii(2) on total acreage of land area investigated, area and description of properties referred, description of enhanced O&M measures, and the estimated total mercury mass load reduced (consistent with the approved accounting procedures) resulting from implementing this control measure.                                                                                                                                                                                                                                                                                                                             |                    |
| <b>C.11.c</b>                                                           | <b>Program for Control Measure Implementation in Old Industrial Areas</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |

| LEGEND: C = CITY<br>D = DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B = BOTH CITY & DISTRICT |   | Responsible<br>Agency |
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|                                  | <div><div>i.</div><div><p>Task Description – Permittees shall implement or cause to be implemented treatment control measures, stormwater diversion to wastewater treatment facilities, redevelopment (provided GSI is implemented in compliance with C.3.b), or other control measures to achieve mercury load reductions. Permittees have substantial (totaling over 33,100 acres) areas of old industrial land use draining to an MS4 that have not been redeveloped or treated with green stormwater infrastructure or other treatment controls.</p><ul style="list-style-type: none"><li>•Alameda County:9,374 acres</li><li>•Contra Costa County:11,199 acres</li><li>•San Mateo County:4,450 acres</li><li>•Santa Clara County:6,647 acres</li><li>•Solano County:1,426 acres</li></ul><p>Implementation of treatment control measures on 2,580 acres (which is nearly 8 percent of the land area shown above) will result in a total estimated load reduction of about 108 g mercury/yr (2,580 acres x 70% efficiency x 60 mg mercury/acre/yr estimated yield from old industrial areas, see Fact Sheet) in the area covered by the Permit. Implementation of control measures with efficiency lower than 70% will result in reduced acreage credit (for those lower efficiency control measures) toward fulfillment of the total acreage requirement shown below. The acres credited will be proportional to the ratio of implemented control measure efficiency relative to the efficiency of treatment controls (see Fact Sheet for more explanation and examples). The old industrial land use acreages to be addressed by control measure implementation by the end of the permit term and the estimated mercury load reductions (for 70% control measure efficiency) are shown below. Permittees may comply with this provision element either through implementation of control measures on the following acreage of old industrial land use based on implementation of 70% efficient control measures, or through diversion to wastewater treatment plants, redevelopment (provided GSI implemented in compliance with Provision C.3.b), enhanced operation and maintenance controls, or other controls) to comply with the performance metrics in Provision C.11.c.i. Use of conditionally-approved sizing criteria cited in section C.3.j(3)(b) for treatment control systems will be considered provided an analysis is performed, acceptable to the Executive Officer, to determine the reduced effectiveness of the facility sized according to these alternative criteria. If a Permittee chooses to comply by demonstrating mercury load reductions, it shall use accounting methods consistent with Provision C.11.a. Implementation of treatment controls and stormwater diversion in mercury-contaminated catchments not designated as old industrial may count toward fulfillment of the required acreage. In choosing locations for treatment controls and diversions, Permittees should focus on public rights-of-way and storm drain infrastructure in catchments containing known or suspected source areas or evidence of moderate to high mercury or PCBs soil concentrations (generally soil/sediment concentrations greater than 0.3 mg mercury/kg or 0.2 mg PCBs/kg). Treatment control systems must be designed and sized consistent with Provision C.3.d – (Numeric Sizing Criteria for Stormwater Treatment Systems). Permittees may choose to implement diversions to wastewater treatment systems to address this requirement. Because of the higher removal efficiency of wastewater treatment facilities, each acre addressed by routing stormwater to wastewater treatment facilities will be credited as 1.3 acres toward satisfying the treatment requirements provided that the diversion facilities are sized and operated consistent with the sizing requirements used for non-diversion treatment facilities.</p></div></div> |                          |   |                       |
|                                  | <div><div>ii.</div><div><p><b>Implementation Level</b> – Permittees shall, within the permit term, implement or cause to be implemented control measures (treatment controls, diversion to wastewater treatment plants, redevelopment (provided GSI implemented in compliance with Provision C.3.b), enhanced operation and maintenance controls, or other controls) to comply with the performance metrics in Provision C.11.c.i. Use of conditionally-approved sizing criteria cited in section C.3.j(3)(b) for treatment control systems will be considered provided an analysis is performed, acceptable to the Executive Officer, to determine the reduced effectiveness of the facility sized according to these alternative criteria. If a Permittee chooses to comply by demonstrating mercury load reductions, it shall use accounting methods consistent with Provision C.11.a. Implementation of treatment controls and stormwater diversion in mercury-contaminated catchments not designated as old industrial may count toward fulfillment of the required acreage. In choosing locations for treatment controls and diversions, Permittees should focus on public rights-of-way and storm drain infrastructure in catchments containing known or suspected source areas or evidence of moderate to high mercury or PCBs soil concentrations (generally soil/sediment concentrations greater than 0.3 mg mercury/kg or 0.2 mg PCBs/kg). Treatment control systems must be designed and sized consistent with Provision C.3.d – (Numeric Sizing Criteria for Stormwater Treatment Systems). Permittees may choose to implement diversions to wastewater treatment systems to address this requirement. Because of the higher removal efficiency of wastewater treatment facilities, each acre addressed by routing stormwater to wastewater treatment facilities will be credited as 1.3 acres toward satisfying the treatment requirements provided that the diversion facilities are sized and operated consistent with the sizing requirements used for non-diversion treatment facilities.</p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |   |                       |
|                                  | <div><div>iii.</div><div><p><b>Reporting</b></p><p>(1) By March 31, 2023, Permittees shall submit plans and schedules for implementing control measures and stormwater diversion to wastewater treatment facilities in old industrial areas to address mercury load reduction requirements included in this provision. This reporting shall include maps of the areas where control measures are to be implemented, the acreage of these catchments, and a description of design and sizing features all control measures, treatment devices and stormwater diversion facilities implemented for each treated catchment.</p><p>(2) Beginning in 2023, in each Annual Report Permittees shall submit an account of control measure and stormwater diversion implementation consistent with the plan submitted in March 2023 and any modifications thereto. Reporting shall include maps of the areas treated, the acreage of catchments addressed, and a description of all control measures, installed treatment devices and routing facilities for each treated catchment.</p><p>(3) In their 2026 Annual Report, Permittees shall report as part of reporting under Provision C.11.a.iii(2) on all control measures and stormwater diversion measures implemented during the permit term and provide the total acreage treated and an estimate of the total mercury mass load reduced resulting from this implementation.</p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          | B |                       |
|                                  | <div><div>C.11.d.</div><div><p><b>Mercury Collection and Recycling Implemented throughout the Region</b></p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          | B |                       |
|                                  | <div><div>i.</div><div><p><b>Task Description</b> – Permittees shall promote, facilitate, and/or participate in collection and recycling of mercury containing consumer products, devices, and equipment (e.g., thermometers, thermostats, switches, bulbs). Mercury is found in a wide variety of consumer products (e.g., fluorescent bulbs, thermostats, thermostats) that are subject to recycling requirements. These recycling efforts are already happening throughout the Region, and Provision C.11.d requires promotion, facilitation and/or participation in these region-wide recycling efforts to increase effectiveness and public</p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |   |                       |
|                                  | <div><div>ii.</div><div><p><b>Implementation Level</b> – Permittees shall promote recycling of mercury-containing products and make efforts to increase effectiveness of these recycling efforts throughout the region. Recycling of mercury-containing bulbs and thermostats alone results in a regionwide load reduction of approximately 10 kg mercury per year<sup>57</sup>.</p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |   |                       |
|                                  | <div><div>iii.</div><div><p><b>Reporting</b></p><p>(1) In each of the 2023 through 2026 Annual Reports, Permittees shall report on efforts to promote recycling of mercury-containing products and efforts to increase effectiveness of these recycling efforts. Permittees shall also report on the mass of mercury-containing material collected throughout the region along with an estimate of the mass of mercury contained in recycled material using the methodology contained in load reduction accounting system described and cited in the Fact Sheet.</p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |   |                       |
|                                  | <div><div>C.11.e.</div><div><p><b>Plan and Implement Green Stormwater Infrastructure to Reduce Mercury Loads</b></p></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          | D |                       |



| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Responsible Agency |
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| Section                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|                                                                                                      | i. <b>Task Description</b> – Permittees shall implement green stormwater infrastructure (GSI) projects during the term of the Permit consistent with implementing requirements in Provision C.3.j. Implementation of green stormwater infrastructure will result in a total estimated load reductions of 108 g mercury/yr (see Fact Sheet for basis of estimate).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                                                                      | ii. <b>Implementation Level</b> – The level of implementation is determined by the requirements of Provision C.3.j.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                                                                      | iii. <b>Reporting</b><br>(1) In their 2026 Annual Report, Permittees shall report as part of Provision C.11.a.iii(2)) on all green stormwater projects (e.g., parcel-based, street ROW, and regional projects) implemented during the permit term and provide the total acreage treated and an estimate of the total mercury mass load reduced resulting from this implementation. This reporting shall include summary descriptions of the implemented projects including GSI type, location,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| <b>C.11.f. Prepare Implementation Plan and Schedule to Achieve TMDL Wasteload Allocations</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                                                                      | i. <b>Task Description</b> – In 2020, Permittees submitted a Reasonable Assurance Analysis and plan (RAA) demonstrating that sufficient control measures will be implemented to attain the mercury TMDL wasteload allocations by 2028. Permittees shall evaluate the effectiveness of all mercury control measures and update the RAA as necessary. Updates can be focused on those control measures for which new information is available and for control measures not evaluated in previous efforts. Permittees shall also prepare detailed implementation plans for all control measures to be implemented in and inform permit requirements for the subsequent permit term.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|                                                                                                      | ii. <b>Implementation level</b> – Permittees shall update, as necessary, their mercury control measures implementation plan and corresponding reasonable assurance analysis from the previous permit term (2015-2020, MRP 2). The update may be focused on control measures for which new information is available or for those control measures not previously evaluated. The long-term plan must:<br>(1) Identify all technically and economically feasible mercury control measures to be implemented (including GSI projects); and<br>(2) Include a schedule according to which these technically and economically feasible control measures will be fully implemented; and<br>(3) Provide an evaluation and quantification of the mercury load reduction of such measures as well as an evaluation of costs, control measure efficiency and significant environmental impacts resulting from their implementation. Additionally, Permittees shall identify all specific control measures to be implemented, the intensity of control measure implementation, and the estimated load reduction benefit from control measures implemented during the subsequent permit term. This implementation plan must include:<br>(4) Identification of all control measures implemented during the current permit term and any additional control measures to be implemented in the subsequent permit term;<br>(5) A description of the intensity or extent of control measure implementation (e.g., acres treated, acres investigated for source areas, types of roadway projects for which protocols applied, etc.);<br>(6) Identification of accountability metrics to track during the subsequent permit corresponding to the proposed implementation intensity; and<br>(7) Estimates for load reductions to be achieved through implementation of control measures during subsequent permit term at the proposed intensity. |                    |
|                                                                                                      | iii. <b>Reporting</b> – Permittees shall submit the updated plan and schedule no later than March 31, 2026.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>C.11.g. Fate and Transport Study of Mercury: Urban Runoff Impact on San Francisco Bay Margins</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                                                                      | i. <b>Task Description</b> – The Permittees shall conduct or cause to be conducted studies concerning the fate, transport, and biological uptake of mercury discharged from urban runoff to San Francisco Bay margin areas. The studies should focus on near-shore areas contaminated with mercury from historical activity and the expected trajectory of recovery as sources from local watersheds are reduced.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|                                                                                                      | ii. <b>Implementation Level</b> – The specific information needs include understanding the in-Bay transport of mercury discharged in urban runoff, the sediment and food web mercury concentrations in margin areas receiving urban runoff, the influence of urban runoff on the patterns of food web mercury accumulation, especially in Bay margins, and the identification of drainages where urban runoff mercury are particularly important in food web                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                                                                      | iii. <b>Reporting</b> – The Permittees shall submit in their 2023 Annual Report a workplan describing the specific manner in which these information needs will be accomplished and describing the studies to be performed with a preliminary schedule. The Permittees shall report on status of the studies in their 2023 Annual Report. The Permittees shall report in the March 15, 2026, Integrated Monitoring Report the findings and results of the studies completed, planned, or in progress as well as implications of studies on potential control measures to be investigated, piloted, or implemented in future permit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>C.11.h. Implement a Risk Reduction Program</b>                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                                                                      | i. <b>Task Description</b> – The Permittees shall conduct an ongoing risk reduction program to address public health impacts of mercury in San Francisco Bay/Delta fish. The fish risk reduction program shall take actions to reduce actual and potential health risks in those people and communities most likely to consume San Francisco Bay-caught fish, such as subsistence anglers and their families. The risk reduction framework developed in the previous permit term, which funded community-based organizations to develop and deliver appropriate communications to appropriately targeted individuals and communities, is an appropriate approach. Permittees should work with local health departments, the Bay Area Clean Water Agencies, and the Western States Petroleum Association to leverage resources for this program and to appropriately target at-risk populations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |

| Section                                                                 |      | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Responsible Agency |
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|                                                                         | ii.  | <b>Implementation Level</b> – At a minimum, Permittees shall conduct or cause to be conducted an ongoing risk reduction program with the potential to reach 3,000 individuals annually who are likely consumers of San Francisco Bay-caught fish. Permittees are encouraged to collaborate with San Francisco Bay industrial and wastewater discharger agencies in meeting this requirement. In year four of the Permit term, Permittees shall evaluate the effectiveness of their risk reduction program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|                                                                         | iii. | <b>Reporting</b> – The Permittees shall report on the status of the risk reduction program in each of their Annual Reports, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish. The Permittees shall report the findings of the effectiveness evaluation of their risk reduction program in their 2026 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| <b>C.12. Polychlorinated Biphenyls (PCBs) Controls</b>                  |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                                         |      | The The Permittees shall implement the following control program for PCBs. This control program consists of load reduction assessment, source control measures, treatment control measures, measures to reduce risk to consumers of Bay fish, and reporting on all these measures according to the provisions below. The provisions implement the urban runoff requirements of the PCBs TMDL for those waters identified therein. By implementing the PCBs control measure program requirements, Permittees will make substantial progress (an estimated 1.47 kg/yr of additional load reduction) toward achieving the urban runoff PCBs wasteload allocation from the TMDL. Of the 2 kg/yr overall load allocation for urban runoff sources for the entire region, 1.47 kg/yr has been allocated to Permittees, and loads must be reduced to this level by March 2030. This PCBs wasteload allocation represents a load reduction from all urban runoff sources to the Bay of approximately 18 kg/yr (14.4 kg/yr from Permittees) compared to loads estimated using data collected in 2003. The Permittees may comply with any requirement of this Provision through a collaborative effort and are encouraged to do so.                                                              | B                  |
| <b>C.12.a. Assess PCBs Load Reductions from Stormwater</b>              |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                                         | i.   | <b>Task Description</b> – The Permittees shall implement an assessment methodology and data collection program to quantify, in a technically sound manner, PCBs loads reduced through implementation of pollution prevention, source control, and treatment control, green stormwater infrastructure and other measures taken as part of the PCBs control program defined by this provision. A technically sound load reduction accounting system is described in the Fact Sheet and is based on information submitted by Permittees in the January 2014 Integrated Monitoring Report and updated through reporting during the last Permit term as part of Reasonable Assurance Analysis reporting submitted by all Programs in September 2020. This accounting system describes calculation methodologies, data requirements, and model parameters used to quantify the load reduction for each type of control measure. The Permittees shall use the assessment methodology to demonstrate the load reductions achieved during this Permit term as well as progress toward achieving the MRP program area PCBs TMDL wasteload allocations. The Permittees shall update this assessment methodology as necessary for use in the                                                       | B                  |
|                                                                         | ii.  | <b>Implementation Level</b> – The Permittees shall quantify the PCBs load reductions achieved through all the pollution prevention, source control, green stormwater infrastructure, and other treatment control measures implemented during this Permit term as described in Provisions C.12.b through C.12.g. For this Permit term, the Permittees will achieve an estimated regionwide total load reduction of 1.47 kg/yr PCBs if they implement effective PCBs control measures consistent with all requirements of Provisions C.12.b through C.12.g. The Permittee-specific portion of the regionwide PCBs load reduction estimate shall be based on the proportion of county population in each municipality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|                                                                         | iii. | <b>Reporting</b><br>(1) In each Annual Report, Permittees shall submit documentation confirming that all control measures effectuated during the previous Permit term for which load reduction credit was recognized continue to be implemented at an intensity sufficient to maintain the credited load reduction.<br>(2) In the 2026 Annual Report, Permittees shall report the total loads reduced using the assessment methodologies described and cited in the Fact Sheet to demonstrate cumulative PCBs load reduced from each control measure implemented since the beginning of the Permit term. This report shall also include an estimate of load reductions from control measures taking place after the 2026 Annual Report submittal but before the end of the permit term. Permittees shall submit all supporting data and information necessary to substantiate the load reduction estimates.<br>(3) In their 2026 Annual Report, the Permittees shall submit, for Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions from control measures in the subsequent Permit. Any refinements to the methodologies shall be subject to public review.                                     |                    |
| <b>C.12.b. Program for Source Property Identification and Abatement</b> |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
|                                                                         | i.   | <b>Task Description</b> – Permittees shall investigate, using both conventional sampling and laboratory analysis techniques, land areas that likely contribute PCBs to MS4s. These investigations will likely focus on land areas where industrial activities occurred prior to 1980 and continue today (i.e., old industrial land use areas). For those properties or land areas found to be contributing substantial amounts of PCBs or where high PCBs concentrations are found (generally areas with sediment concentrations greater than 0.5 mg PCBs/kg), Permittees shall take actions to abate the PCB sources into their MS4s or refer the properties to the Water Board for follow-up measures. For each source property referred to the Water Board, Permittees should implement interim enhanced operation and maintenance (enhanced O&M) measures in the street or storm drain infrastructure adjacent to the referred source property or implement a stormwater treatment system downstream of the property. These enhanced O&M measures shall be sufficient to intercept historically deposited contaminated sediment in the vicinity of the source area and prevent further contaminated sediment from being discharged from the source area to the storm drain system. |                    |

| LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Responsible Agency |
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| ii.                                                                          | <p><b>Implementation Level</b> – Permittees shall investigate the following acreage of likely PCBs source properties during the permit term.</p> <ul style="list-style-type: none"> <li>•Alameda County:2,620 acres</li> <li>•Contra Costa County:1,700 acres</li> <li>•San Mateo County:1,411 acres</li> <li>•Santa Clara County:913 acres</li> <li>•Solano County:21 acres</li> </ul> <p>Based on data collected through investigating land areas for the presence of source properties during the previous permit terms, this level of implementation will result in PCBs load reductions of approximately 740 g PCBs/yr, 50 percent of which would be credited during this permit term contingent upon implementation of interim enhanced operation and maintenance (enhanced O&amp;M) measures in the street or storm drain infrastructure adjacent to the referred source property or implementation of a stormwater treatment system downstream of the property</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| iii.                                                                         | <p><b>Reporting</b></p> <p>(1) In each of the 2022 through 2026 Annual Reports, Permittees shall report progress on the acreage of land areas investigated, including progress toward investigation of 100 percent of the old industrial land use indicated above. The reporting shall indicate what action was taken for the parcels investigated (e.g., abatement, referral, enforcement, etc.). Permittees shall submit all supporting data and information including referral reports.</p> <p>(2) Permittees shall report annually on ongoing enhanced O&amp;M activities associated with all past contaminated property referrals. Prior to all new referrals, Permittees shall submit, for staff review and comment, a detailed description of the enhanced O&amp;M plan for the referred properties.</p> <p>(3) In their 2026 Annual Report, Permittees shall report as part of reporting under Provision C.12.a.iii(2) on total acreage of land area investigated, area and description of properties referred, description of enhanced O&amp;M measures, and the estimated total PCBs mass load reduced (consistent with the approved accounting procedures) resulting from implementing this control measure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| <b>C.12.c. Programs for Control Measure Implementation in Old Industrial</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                  |
| i.                                                                           | <p><b>Task Description</b> – Permittees shall implement or cause to be implemented treatment control measures, stormwater diversion to wastewater treatment facilities, redevelopment (provided GSI is implemented in compliance with Provision C.3.b), or other control measures to achieve PCBs load reductions. Permittees have substantial (totaling over 33,100 acres) areas of old industrial land use draining to an MS4 that have not been redeveloped or treated with green stormwater infrastructure or other treatment controls.</p> <ul style="list-style-type: none"> <li>•Alameda County:9,374 acres</li> <li>•Contra Costa County:11,199 acres</li> <li>•San Mateo County:4,450 acres</li> <li>•Santa Clara County:6,647 acres</li> <li>•Solano County:1,426 acres</li> </ul> <p>Implementation of treatment control measures on 2,580 acres (which is about 8 percent of the land area shown above) will result in a total estimated load reduction of about 467 g PCBs/yr (2,580 acres x 10% of area x 70% efficiency x 259 mg PCBs/acre/yr estimated yield from old industrial areas, see Fact Sheet) in the area covered by the Permit. Implementation of control measures with efficiency lower than 70 percent will result in reduced acreage credited (for those lower efficiency control measures) toward fulfillment of the total acreage requirement shown below. The acres credited will be proportional to the ratio of implemented control measure efficiency relative to the efficiency of treatment controls (see Fact Sheet for more explanation and examples). The old industrial land use acreages to be addressed by control measure implementation by the end of the permit term and the estimated PCBs load reductions (for 70 percent control measure efficiency) are shown below. Permittees may comply with this provision element either through implementation of control measures on the following amounts of old industrial land use, based on implementation of 70 percent efficient control measures, or through accounting for the mass reduction of PCBs shown in parentheses. If control measures are less than 70 percent efficient, the required acreage shall be calculated as set forth above.</p> <ul style="list-style-type: none"> <li>•Alameda County:664 acres (121 grams/yr)</li> <li>•Contra Costa County:664 acres (121 grams/yr)</li> <li>•San Mateo County:445 acres (81 grams/yr)</li> <li>•Santa Clara County:664 acres (121 grams/yr)</li> <li>•Solano County:142 acres (26 grams/yr)</li> </ul> |                    |
| ii.                                                                          | <p><b>Implementation Level</b> – Permittees shall, within the permit term, implement or cause to be implemented control measures (treatment controls, diversion to wastewater treatment plants, redevelopment (provided GSI implemented in compliance with Provision C.3.b), enhanced operation and maintenance controls, or other controls) to comply with the performance metrics in Provision C.12.c.i. If a Permittee chooses to comply by demonstrating PCBs load reductions, it shall use accounting methods consistent with Provision C.12.a. Implementation of treatment controls and stormwater diversion in PCBs-contaminated catchments not designated as old industrial may count toward fulfillment of the required acreage. In choosing locations for treatment controls and diversions, Permittees should focus on public rights-of-way and storm drain infrastructure in catchments containing known or suspected source areas or evidence of moderate to high PCBs soil concentrations (generally soil/sediment concentrations greater than 0.3 mg mercury/kg or 0.2 mg PCBs/kg). Treatment control systems must be designed and sized consistent with Provision C.3.d (Numeric Sizing Criteria for Stormwater Treatment Systems). Use of conditionally-approved sizing criteria cited in section C.3.j(3)(b) for treatment control systems will be considered provided an analysis is performed, acceptable to the Executive Officer, to determine the reduced effectiveness of the facility sized according to these alternative criteria. Permittees may choose to implement diversions to wastewater treatment systems to address this requirement. Because of the higher removal efficiency of wastewater treatment facilities, each acre addressed by routing stormwater to wastewater treatment facilities will be credited as 1.3 acres toward satisfying the treatment requirements provided that the diversion facilities are sized and operated consistent with the sizing requirements used for non-diversion treatment facilities</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Responsible Agency |
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|                                                                         | <p><b>iii. Reporting</b></p> <p>(1) By March 31, 2023, Permittees shall submit plans and schedules for implementing control measures and stormwater diversion to wastewater treatment facilities in old industrial areas to address PCBs load reduction requirements included in this provision. This reporting shall include maps of the areas where control measures are to be implemented, the acreage of these catchments, and a description of design and sizing features all control measures, treatment devices and stormwater diversion facilities implemented for each treated catchment.</p> <p>(2) Beginning in 2023, in each Annual Report Permittees shall submit an account of control measure and stormwater diversion implementation consistent with the plan submitted in March 2023 and any modifications thereto. Reporting shall include maps of the areas treated, the acreage of catchments addressed, and a description of all control measures, installed treatment devices and routing facilities for each treated catchment.</p> <p>(3) In their 2026 Annual Report, Permittees shall report as part of reporting under Provision C.12.a.iii(2) on all control measures and stormwater diversion measures implemented during the permit term and provide the total acreage treated and an estimate of the total PCBs mass load reduced resulting from this implementation.</p> |                    |
| <b>C.12.d. Program for Controlling PCBs from Bridges and Overpasses</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|                                                                         | <p><b>i. Task Description</b> – Permittees shall implement a Caltrans specification (to be developed through proposed requirement in Caltrans stormwater permit, see Fact Sheet for details) to manage, as part of bridge and overpass roadway replacement or major repair, potential PCBs-containing material in bridge roadway expansion joints. Implementation of this specification will result in a total estimated load reductions of 300 g PCBs/yr (see Fact Sheet for calculation details in the program area). Countywide programs and their member municipalities will be credited with a portion of this total load reduction in proportion to their share of population. Load reduction credit for this program will begin upon submittal of documentation demonstrating full implementation of the Caltrans specification for applicable roadway structures.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|                                                                         | <p><b>ii. Implementation Level</b> – Permittees shall track the development of the Caltrans specification and develop an inventory of bridges in their jurisdictions that includes bridge ownership and a replacement/repair schedule. Finally, Permittees shall, by December 31, 2022, or six months after availability of the specification, implement or cause to be implemented the Caltrans specification during applicable replacement activities that are under the direction of the Permittee.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|                                                                         | <p><b>iii. Reporting</b></p> <p>(1) In their 2022 Annual Report or the Annual Report immediately following availability of the specification, Permittees shall include a description of the Caltrans specification for managing PCBs-containing materials in bridge or roadway expansion joints during roadway replacement or repair.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |

| Section                                                               | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Responsible Agency |
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|                                                                       | <p>(2) In their 2023 Annual Report, Permittees shall submit an inventory of bridges in the program area that includes bridge ownership and the bridge roadway replacement schedule.</p> <p>(3) In their 2022 through 2026 Annual Reports, Permittees shall submit documentation confirming the use of the Caltrans specification (once it is available) during all instances of bridge roadway replacement or repair in their jurisdiction during that reporting year and provide an estimate of the volume of material managed and total PCBs mass load reduced resulting from implementation of the specification.</p> <p>(4) In their 2026 Annual Report, Permittees shall report as part of reporting under Provision C.12.a.iii.(2) an estimate of the total PCBs mass load reduced, consistent with approved accounting procedures, resulting from implementing this control measure.</p>                                                                                                                                                                                      |                    |
| <b>C.12.e. Program for Controlling PCBs from Electrical Utilities</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| i.                                                                    | <b>Task Description</b> – Permittees shall (1) develop and implement a program to manage PCBs in oil-filled electrical equipment (OFEE) for municipally-owned electrical utilities in the MRP program area and (2) collaborate with the Water Board to determine PCBs loadings in OFEE from non-municipally owned electrical utilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| ii.                                                                   | <p><b>Implementation Level</b> – Permittees shall do the following:</p> <p>(1) Develop or improve standard operating procedures to respond to, clean up, and report spills and releases from municipally owned OFEE and fully implement these procedures.</p> <p>(2) Develop and implement a plan to maintain and upgrade municipally owned OFEE.</p> <p>(3) Document the PCBs loads avoided through existing and ongoing OFEE removal and replacement programs.</p> <p>(4) Collaborate with the Water Board to request information from non-municipally owned electrical utilities. Permittees shall utilize the information to (a) determine the locations of PCBs-containing OFEE, (b) improve estimates of the total baseline mass of PCBs in OFEE in the MRP permit area, (c) evaluate the actions the non-municipally owned electrical utilities are taking to reduce or prevent the release of PCBs from their equipment and to respond to potential releases of PCBs from their equipment; and (d) identify opportunities to improve the response and cleanup protocols.</p> |                    |
| iii.                                                                  | <p><b>Reporting</b></p> <p>(1) Permittees shall submit in their 2023 Annual Report the estimated PCBs loads avoided (along with supporting documentation) resulting from the removal of municipally-owned PCBs-containing OFEE through maintenance programs and system upgrades for the period 2002 to the beginning of this permit term (2022).</p> <p>(2) Permittees shall submit in their 2023 Annual Report a description of the improved spill response and reporting practices implemented by municipally owned electrical utilities</p> <p>(3) Permittees shall submit in their 2024 Annual Report a summary of their plans to maintain and upgrade OFEE for municipally owned electrical utilities.</p>                                                                                                                                                                                                                                                                                                                                                                      |                    |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Responsible Agency |
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|                                                                  | (4) Permittees shall submit in every Annual Report, beginning with the 2023 report, a summary of the actions undertaken during that reporting year that remove municipally owned PCBs-containing OFEE along with the loads avoided and the details of the calculations and assumptions used to estimate the load reduced.<br><br>(5) Permittees shall submit in their 2026 Annual Report, as part of reporting under Provision C.12.a.iii(2), the estimated PCBs loads reduced during the permit term associated with municipally owned OFEE removal resulting from maintenance programs and system upgrades. |  |                    |

| Section                                                                                         | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Responsible Agency |
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|                                                                                                 | (6) Within 12-months of the Water Board transmitting to the Permittees information from the non-municipally owned electrical utilities, Permittees shall submit a report discussing the following, to the extent possible given any data limitations: (a) locations of the PCBs-containing OFEE still in service, (b) previous locations of PCBs-containing OFEE, and (c) opportunities to improve non-municipally owned electrical utilities' standard operating procedures for spill response, reporting, cleanup, and sampling and analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>C.12.f. Plan and Implement Green Stormwater Infrastructure to reduce PCBs loads</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| i.                                                                                              | <b>Task Description</b> – Permittees shall implement green stormwater infrastructure (GSI) projects during the term of the Permit consistent with implementing requirements in Provision C.3.j. Implementation of green stormwater infrastructure will result in a total estimated load reductions of 200 g PCBs/yr (see Fact Sheet for basis of estimate).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| ii.                                                                                             | <b>Implementation Level</b> – The level of implementation is determined by the requirements of Provision C.3.j.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| iii.                                                                                            | <b>Reporting</b><br><br>(1) In their 2026 Annual Report, Permittees shall report as part of Provision C.12.a.iii(2)) on all green stormwater projects (e.g., parcel-based, street right-of-way, and regional projects) implemented during the permit term and provide the total acreage treated and an estimate of the total PCBs mass load reduced resulting from this implementation. This reporting shall include summary descriptions of the implemented projects including GSI type, location, and area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| <b>C.12.g. Manage PCB-Containing Materials and Wastes During Building Demolition Activities</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |
| i.                                                                                              | <b>Task Description</b> – Prior to issuing a demolition permit, Permittees shall implement the protocol developed during the previous permit term (see Fact Sheet for protocol description) for managing PCB-containing materials and wastes during building demolition so that PCBs do not enter MS4s. Permittees shall also ensure construction sites are inspected during demolition and obtain verification that materials from demolished buildings are appropriately disposed. Provision C.12.g. applies to applicable structures containing building materials with PCBs concentrations of 50 ppm or greater at the time such structures undergo demolition. PCBs from these structures can enter storm drains during and/or after demolition through vehicle track-out, airborne releases, soil erosion, or stormwater runoff. Applicable structures include, at a minimum, commercial, public, institutional, and industrial structures constructed or remodeled between the years 1950 and 1980. Single-family residential and wood frame structures are exempt. Structures that are constructed or remodeled between the years 1950 and 1980 and require emergency demolition to protect public health and/or safety are exempt from implementing the protocol, but they must be reported in accordance to Provision C.12.g.iii.(3)(d). The Town of Clayton is exempt from the requirements of Provision C.12.g. because it has demonstrated it has no applicable structures. Other Permittees may be exempted from the requirements in Provision C.12.g. if they provide evidence acceptable to the Executive Officer in their 2023 Annual Report that the only structures that existed pre-1980 within its jurisdiction were single-family residential and/or wood-frame structures. Implementation of this protocol will result in a total estimated load reduction of 2 kg PCBs/yr (see Fact Sheet for calculation details) in the program area. This constitutes an ongoing rather than a new load reduction. |                    |
| ii.                                                                                             | <b>Implementation Level</b><br><br>(1) Permittees shall implement their established protocol prior to issuing a demolition permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |

| Section | <p>LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY &amp; DISTRICT</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Responsible Agency |
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|         | <p>(2) For demolition of applicable structures containing building materials with PCBs concentrations of 50 ppm or greater approved beginning July 1, 2023, Permittees shall require demolition contractors to provide notification to the Permittees, the Water Board, and U.S. EPA at least one week before any demolition is to occur.</p> <p>(3) Beginning the 2023 rainy season, Permittees shall inspect demolition sites with applicable structures containing building materials with PCBs concentrations of 50 ppm or greater pursuant to Provision C.6 to ensure that effective construction pollutant controls are used to prevent discharge into</p> <p>(4) Permittees shall enhance their construction site control program to minimize migration of PCBs into the MS4 from applicable structures containing building materials with PCBs concentrations of 50 ppm or greater during demolition activities. Enhancements may include inspecting demolition sites monthly during demolition activities in the dry season (May – September) and requiring the demolition contractors to sweep the project sites and the streets around the property with street sweepers that will effectively remove sediment and dust. Implementation of enhancements shall begin no later than July 1, 2023.</p> <p>(5) For demolition of applicable structures containing building materials with PCBs concentrations of 50 ppm or greater approved after July 1, 2023, Permittees shall verify that PCBs in demolished buildings are properly managed to minimize transport to the MS4 by obtaining official documentation that the building materials with PCBs concentrations of 50 ppm or greater in these demolished applicable structures were disposed appropriately</p> <p>(6) Permittees may elect to update for use in the subsequent permit term the assessment methodology and data collection program to quantify PCBs loads reduced through implementation of the protocol for controlling PCBs during demolition of applicable structures.</p> |                    |
| iii.    | <p><b>Reporting</b></p> <p>(1) Each Permittee seeking exemption from Provision C.12.g requirements based on lack of applicable structures must submit in its 2023 Annual Report documentation, such as historic maps or other historic records, that clearly demonstrates that the only structures that existed pre-1980 were single-family residential and/or wood-frame structures.</p> <p>(2) In their 2023 Annual Report, Permittees shall discuss enhancements to their construction site control program to minimize migration of PCBs from demolition activities into the MS4.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |



| Section                                                                                           | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Responsible Agency |
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|                                                                                                   | <p>(3) Beginning with their 2023 Annual Report, the Permittees shall provide each of the following items:</p> <p>(a) The number of applicable structures that applied for a demolition permit during the reporting year;</p> <p>(b) A running list of the applicable structures that applied for a demolition permit since July 1, 2019, the number of samples each structure collected, and the concentration of PCBs in each sample.</p> <p>(c) For each applicable structure, with PCBs concentrations of 50 mg/kg or greater, include the following: the project address, the demolition date, and a brief description of the PCBs-containing materials.</p> <p>(d) For each structure that was constructed or remodeled between the years 1950 and 1980 and requires emergency demolition to protect public health and/or safety, provide the following: address, date building was constructed, and date of demolition.</p> <p>(4) Beginning with their 2024 Annual Report, Permittees shall provide the following: whether the site was inspected during demolition, and for those cases where notification and advance approval from the U.S. EPA is not required and were approved for demolition after June 30, 2023, the hazardous waste manifest prepared for transportation of the material to a disposal facility.</p> <p>(5) In their 2026 Annual Report, Permittees shall submit an evaluation of the effectiveness of the protocol for controlling PCBs during building demolition as well as supporting data. This should be conducted and reported at the regional level on behalf of all Permittees and shall be considered the Report of Waste Discharge for Provision C.12.g for the next permit reissuance.</p> <p>(6) In their 2026 Annual Report, Permittees may submit for use in the subsequent permit term an updated assessment methodology and data collection program to quantify PCBs loads reduced through implementation of the protocol for controlling PCBs-containing materials and wastes during demolition of applicable structures.</p> |                    |
| <b>C.12.h. Prepare Implementation Plan and Schedule to Achieve TMDL Wasteload Allocations</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
| i.                                                                                                | <p><b>Task Description</b> – In 2020, Permittees submitted a Reasonable Assurance Analysis and plan (RAA) demonstrating that sufficient control measures will be implemented to attain the PCBs TMDL wasteload allocations by 2030. Permittees shall evaluate the effectiveness of all PCBs control measures and update the RAA as necessary. Updates can be focused on those control measures for which new information is available and for control measures not evaluated in previous efforts. Permittees shall also prepare detailed implementation plans for all control measures to be implemented in and inform</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| ii.                                                                                               | <p><b>Implementtion level</b> – Permittees shall update, as necessary, their PCBs control measures implementation plan and RAA. The update may be focused on control measures for which new information is available or for those control measures not previously evaluated. The long-term plan must:</p> <p>(1) Identify all technically and economically feasible PCBs control measures to be implemented (including GSI projects); and</p> <p>(2) Include a schedule according to which these technically and economically feasible control measures will be fully implemented; and</p> <p>(3) Provide an evaluation and quantification of the PCBs load reduction of such measures as well as an evaluation of costs, control measure efficiency and significant environmental impacts resulting from their implementation. Additionally, Permittees shall identify all specific control measures to be implemented, the intensity of control measure implementation, and the estimated load reduction benefit from control measures implemented during the subsequent permit term. This implementation plan must include:</p> <p>(a) Identification of all control measures implemented during the current permit term and any additional control measures to be implemented in the subsequent permit term;</p> <p>(b) A description of the intensity or extent of control measure implementation (e.g., acres treated, acres investigated for source areas, types of roadway projects for which protocols applied);</p> <p>(c) Identification of accountability metrics to track during the subsequent permit corresponding to the proposed implementation intensity; and</p> <p>(d) Estimates for load reductions to be achieved through implementation of control measures during subsequent permit term at the proposed intensity.</p>                                                                                                                                                                                                                                 |                    |
| iii.                                                                                              | <p><b>Reporting</b>– Permittees shall submit the updated plan and schedule no later than March 31, 2026.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| <b>C.12.i. Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
| i.                                                                                                | <p><b>Task Description</b> – The Permittees shall conduct or cause to be conducted studies concerning the fate, transport, and biological uptake of PCBs discharged from urban runoff to San Francisco Bay margin areas. The studies should focus on near-shore areas contaminated with PCBs from historical activity and the expected trajectory of recovery as sources from local watersheds are reduced.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| ii.                                                                                               | <p><b>Implementation Level</b> – The specific information needs include understanding the in-Bay transport of PCBs discharged in urban runoff, the sediment and food web PCBs concentrations in margin areas receiving urban runoff, the influence of urban runoff on the patterns of food web PCBs accumulation, especially in Bay margins, and the identification of drainages where urban runoff PCBs are particularly important in food web accumulation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| iii.                                                                                              | <p><b>Reporting</b> – The Permittees shall submit in their 2023 Annual Report a workplan describing the specific manner in which these information needs will be accomplished and describing the studies to be performed with a preliminary schedule. The Permittees shall report on status of the studies in their 2023 Annual Report. The Permittees shall report in the March 15, 2026, Integrated Monitoring Report the findings and results of the studies completed, planned, or in progress as well as implications of studies on potential control measures to be investigated, piloted, or implemented in future permit cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| <b>C.12.j. Implement a Risk Reduction Program</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |

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|                                                                  | <p>i. <b>Task Description</b> – The Permittees shall conduct an ongoing risk reduction program to address public health impacts of PCBs in San Francisco Bay/Delta fish. The fish risk reduction program shall take actions to reduce actual and potential health risks in those people and communities most likely to consume San Francisco Bay-caught fish, such as subsistence anglers and their families. The risk reduction framework developed in the Previous Permit term, which funded community-based organizations to develop and deliver appropriate communications to appropriately targeted individuals and communities, is an appropriate approach. Permittees should work with local health departments, the Bay Area Clean Water Agencies, and the Western States Petroleum Association to leverage resources for this program and to appropriately target at-risk populations.</p> |                    |

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|                                                                                                                                                                | <div>ii. <b>Implementation Level</b> – At a minimum, Permittees shall conduct or cause to be conducted an ongoing risk reduction program with the potential to reach 3,000 individuals annually who are likely consumers of San Francisco Bay-caught fish. Permittees are encouraged to collaborate with San Francisco Bay industrial and wastewater discharger agencies in meeting this requirement. In year four of the Permit term, Permittees shall evaluate the effectiveness of their risk reduction program.</div>                                                                                        |                    |
|                                                                                                                                                                | <div>iii. <b>Reporting</b> – The Permittees shall report on the status of the risk reduction program in each of their Annual Reports, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish. The Permittees shall report the findings of the effectiveness evaluation of their risk reduction program in their 2026 Annual Report.</div>                                                                                                                                                                       |                    |
| C.13. Copper                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|                                                                                                                                                                | The The Permittees shall implement the following control program for copper. The Permittees shall implement the control measures and accomplish the reporting on those control measures according to the provisions below. The purpose of these provisions is to implement the control measures identified in the Basin Plan amendment necessary to support the copper site-specific objectives in San Francisco Bay. The Permittees may comply with any requirement of Provision C.13 through a collaborative effort.                                                                                           | B                  |
| C.13.a. Manage Waste Generated from Cleaning and Treating of Copper Architectural Features, Including Copper Roofs, during Construction and Post-Construction. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|                                                                                                                                                                | <div>i. <b>Task Description</b> – The Permittees shall prohibit the discharge of wastewater to storm drains generated from installing, cleaning, treating, or washing copper architectural features, including copper roofs.</div>                                                                                                                                                                                                                                                                                                                                                                               |                    |
|                                                                                                                                                                | <div>ii. <b>Implementation Level</b></div> <div>(1) The Permittees shall require, when issuing building permits, use of appropriate BMPs for managing copper-containing waste during and post-construction.</div> <div>(2) The Permittees shall educate installers and operators on appropriate BMPs for managing copper-containing wastes.</div> <div>(3) The Permittees shall enforce against noncompliance.</div>                                                                                                                                                                                             |                    |
|                                                                                                                                                                | <div>iii. <b>Reporting</b></div> <div>(1) In the 2022 Annual Report, those Permittees that have not previously done so shall certify that legal authority currently exists to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including</div> <div>(2) In the 2022 Annual Report, the Permittees shall report how copper architectural features are addressed through the issuance of building permits.</div> <div>(3) The Permittees shall report annually permitting and enforcement activities.</div> |                    |
| C.13.b. Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|                                                                                                                                                                | <div>i. <b>Task Description</b> – Permittees shall prohibit discharges to storm drains from pools, spas, and fountains that contain copper-based chemicals.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|                                                                                                                                                                | <div>ii. <b>Implementation Level</b> – The Permittees shall either: 1) require installation of a sanitary sewer discharge connection for pools, spas, and fountains,</div>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|                                                                                                                                                                | <div>iii. <b>Reporting</b></div> <div>(1) In the 2022 Annual Report, the Permittees that have not previously done so shall certify that legal authority currently exists to prohibit the discharges to storm drains of water containing copper-based chemicals from pools, spas, and fountains.</div> <div>(2) In the 2022 Annual Report, the Permittees shall report how copper-containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.</div> <div>(3) The Permittees shall report annually on any enforcement activities.</div>                    |                    |

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| <b>C.13.c. Industrial Sources</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|
| i.                                                               | <b>Task Description</b> – The Permittees shall ensure industrial facilities do not discharge elevated levels of copper to storm drains by ensuring, through industrial facility inspections, that proper BMPs are in place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| ii.                                                              | <b>Implementation Level</b><br><br>(1) As part of industrial site controls required by Provision C.4, the Permittees shall identify facilities likely to use copper or have sources of copper (e.g., plating facilities, metal finishers, auto dismantlers) and include them in their inspection program plans.<br><br>(2) The Permittees shall educate industrial inspectors on industrial facilities likely to use copper or have sources of copper and proper BMPs for them.<br><br>(3) As part of the industrial inspection, inspectors shall ensure that proper BMPs are in place at such facilities to minimize discharge of copper to storm drains, including consideration of roof runoff that might accumulate copper deposits from ventilation systems on site.                                                                                                                                                                                           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| iii.                                                             | <b>Reporting</b><br><br>The Permittees shall highlight copper reduction results in the industrial inspection component in the Provision C.13 portion of each Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| <b>C.15. Exempted and Conditionally Exempted Discharges</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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 |
| <b>C.15.b. Conditionally Exempted Non-Stormwater Discharges:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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|
| iii.                                                             | <b>Discharge Type – Emergency Discharges of Firefighting Water and Foam</b><br><br>(1) Emergency Discharges – Discharges resulting from emergency firefighting activities.<br>(2) Regional Coordination<br><br>(a) Permittees shall collectively convene a regionwide Firefighting Discharges Working Group (Working Group) together with Water Board staff – and other stakeholders identified in Provision C.15.b.iii.(2)(vi), below – to identify and evaluate opportunities to reduce the impacts of emergency discharges to the MS4 associated with firefighting activity. The Permittees shall collectively (e.g., through the Working Group):<br><br>(i) Prior to the submittal of the Firefighting Discharges Report, convene the Working Group at least twice per year. Thereafter, convene the Working Group at least annually.<br><br>(ii) Assess the adequacy of existing BMPs and standard operating procedures (SOPs) to address the potential adverse water quality impacts of firefighting water and foam discharged during emergencies (e.g., containment and cleanup), including coordination within and between municipal departments, districts and jurisdictions, coordination between firefighting personnel and containment and cleanup crews, coordination with contracted staff, and coordination with relevant agencies (e.g., CalFire), as appropriate. If the existing BMPs and SOPs need updates or are otherwise inadequate, suggest changes to those BMPs and SOPs so that they are updated and adequate. If new BMPs and SOPs are needed, recommend model BMPs and SOPs.<br><br>(iii) Assess the adequacy of existing resources (e.g., MS4 maps and maps that identify environmentally sensitive areas) used to determine if and how firefighting water and foam discharged during emergencies will impact receiving waters, in order to address pollutant discharges (e.g., by facilitating<br>(iv) Investigate which firefighting foams are the least environmentally harmful (i.e., have the least adverse water quality and beneficial use effects, including those related to biodegradation, biomagnification, bioaccumulation, and acute and chronic toxicity), both for Class A foams and Class B foams. Then, develop SOPs to use the least environmentally harmful firefighting foams (and dispose of the more environmentally harmful foams) and to reduce the use of firefighting foams, without jeopardizing the protection of life or property, during emergencies.<br><br>(v) Prepare outreach materials on containment and cleanup BMPs and SOPs for contractors that are hired by private parties to participate in the containment and cleanup of discharges of firefighting water and foam associated with firefighting activities within their jurisdictions. Additionally, prepare outreach materials – regarding good housekeeping practices and preventive measures – for sites that are prone to firefighting emergencies. Distribute those outreach materials to all such contractors and sites by September 30, 2025. Subsequently, if it is identified that the outreach materials need to be revised or updated, they shall be revised or updated, and then redistributed.<br><br>(vi) Pursue coordination, information sharing, feedback and Working Group participation, from relevant agencies and organizations such as the California Department of Forestry and Fire Protection (Cal Fire), the California Department of Toxic Substances Control (DTSC), the U.S. Forest Service (USFS), the State and Regional Water Boards, permittees of other NPDES municipal stormwater permits, other state and federal agencies, and external workgroups (such as Petro-Chemical Mutual Aid), regarding interagency coordination and communication, BMPs, SOPs, and the least environmentally harmful firefighting foams.<br><br>(vii) Discuss reporting on emergency discharges of firefighting water and foam. The purpose of this reporting is first to provide transparency about the usage and water quality impacts of firefighting water and foam, and second to track reductions in those impacts over time, which is an anticipated outcome of the implementation of Provision C.15.b.iii. This shall include discussion of the timing of such reporting, and how that reporting will be submitted to the Water Board. This shall additionally include discussion of how reporting is triggered (e.g., if a certain level of discharge enters the MS4 system, if any level of discharge enters a receiving water, and if any level of PFAS foam is used pursuant the exemptions in SB 1044), as well as the content of the reporting (e.g., the date and time of the discharge, Material Safety Data Sheet (MSDS) and any supplemental information for that foam, the quantity of water and foam concentrate used, the quantity and rate of water and foam concentrate discharged to the MS4 and/or receiving water, the point of discharge to the MS4 and/or receiving water, and controls implemented to contain and/or mitigate discharges and impacts). |                    |

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|                                                                  | (b) Reporting – The Permittees shall collectively submit a Firefighting Discharges Report by September 30, 2025, that describes progress on, and recommendations regarding, the implementation of the items listed in Provision C.15.b.iii.(2)(a)(i)-(vii). The Firefighting Discharges Report shall be updated as needed on an ongoing basis, to incorporate recommendations by the Working Group. |  |                    |
|                                                                  | (3) Ongoing Impementation Practices                                                                                                                                                                                                                                                                                                                                                                 |  |                    |

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|         | <p>(a) When the Firefighting Discharges Report is submitted, the Permittees shall begin implementation of the recommendations included therein.</p> <p>(b) Permittees shall ensure proper BMPs and SOPs are included in contracts for non-municipal (contracted) staff hired by Permittees to assist with containment and cleanup, and to assist with prevention and mitigation of adverse impacts, of discharges associated with firefighting emergencies.</p> <p>(c) For large industrial sites within Permittees' jurisdictions – such as IGP sites, gas plants, gas concentration facilities, and chemical plants – Permittees shall evaluate the adequacy of those sites' BMPs and SOPs for the prevention, containment and cleanup of emergency firefighting discharges into storm drains and receiving waters within Permittees' jurisdictions, and cause those BMPs and SOPs to be improved as appropriate.</p> <p>(d) By June 30, 2027, Permittees shall require all municipal staff and contracted staff hired by Permittees that participate in the containment and cleanup of (and as appropriate, that assist with any other activities associated with mitigating the adverse environmental impacts of) discharges of firefighting water and foam from firefighting emergencies within their jurisdictions to attend at least one training on containment and cleanup BMPs and SOPs (and other BMPs and SOPs, as appropriate). Trainings may be region-wide, program wide, or Permittee-specific. Permittees are encouraged to make these trainings available to contractors hired by private parties.</p> <p>(e) Reporting</p> <p>(i) In their Annual Reports, Permittees shall report on the implementation of Provisions C.15.b.iii.(3).(a)-(c).</p> <p>(ii) In the 2027 Annual Reports, Permittees shall report on trainings conducted pursuant to Provision C.15.b.iii.(3)(d), including the date(s) of training(s), topics covered, and the percentage of applicable municipal and contracted staff involved in containment and cleanup activities in attendance.</p> <p>(4) Required MPPs</p> <p>(a) The Permittees shall implement and/or require firefighting personnel acting within their jurisdictions to implement BMPs and SOPs for emergency discharges – in order to reduce potential and actual water quality impacts – to the extent that the implementation of such BMPs does not interfere with immediate emergency response operations or impact public health and safety<sup>63</sup>.</p> <p>(b) During emergency firefighting situations, priority of efforts shall be directed toward life, property, and the environment (in descending order). Permittee staff, contractors, or firefighting personnel shall control the pollution threat from their activities during emergency firefighting situations to the extent that time and resources allow.</p> <p>(5) Reporting</p> <p>(a) Upon submittal of the Firefighting Discharges Report, Permittees shall implement the reporting recommendations and guidance therein.</p> <p>(b) Otherwise, reporting requirements will be determined by Water Board staff on a case-by-case basis, such as for fire incidents at chemical plants.</p> |                    |
| iv.     | <p><b>Discharge Type – Individual Residential Car Washing</b></p> <p>(1) Required BMPs</p> <p>(a) The Permittees shall discourage through outreach efforts individual residential car washing within their jurisdictional areas that discharge directly into their storm drain systems.</p> <p>(b) The Permittees shall encourage individuals to direct car wash waters to landscaped areas, use as little detergent as necessary, or wash cars at commercial car wash facilities.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
| v.      | <p><b>Discharge Type – Swimming Pool, Hot Tub, Spa, and Fountain Water Discharges</b></p> <p>(1) Required BMPs</p> <p>(a) The Permittees shall prohibit discharge of water that contains chlorine residual, copper algicide, filter backwash or other pollutants to storm drains or to waterbodies. Such polluted discharges from pools, hot tubs, spas, and fountains shall be directed to the sanitary sewer (with the local sanitary sewer agency's approval) or to landscaped areas that can accommodate the volume.</p> <p>(b) Discharges from swimming pools, hot tubs, spas and fountains shall be allowed into storm drain collection systems only if there are no other feasible disposal alternatives (e.g., disposal to sanitary sewer or landscaped areas) and if the discharge is properly dechlorinated to non-detectable levels of chlorine consistent with water quality standards.</p> <p>(c) The Permittees shall require that new or rebuilt swimming pools, hot tubs, spas and fountains within their jurisdictions have a connection to the sanitary sewer to facilitate draining events. The Permittees shall coordinate with local sanitary sewer agencies to determine the standards and requirements necessary for the installation of a sanitary sewer discharge location to allow draining events for pools, hot tubs, spas, and fountains to occur with the proper permits from the local sanitary sewer agency.</p> <p>(d) The Permittees shall improve their public outreach and educational efforts and ensure implementation of the required BMPs and compliance in commercial, municipal, and residential facilities.</p> <p>(e) The Permittees shall implement the Illicit Discharge Enforcement Response Plan from Provision C.5.b for polluted (contains chlorine, copper algicide, filter backwash, or other pollutants) swimming pool, hot tub, spa, or fountain waters that get discharged into the storm drain.</p> <p>(2) <b>Reporting</b> – The Permittees shall keep records of the authorized major discharges of dechlorinated pool, hot tubs, spa, and fountain water to the storm drain, including BMPs employed; such records shall be available for inspection by the Water Board.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
| vi.     | <p><b>Discharge Type – Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering</b></p> <p>(1) <b>Required BMPs</b> – The Permittees shall promote measures that minimize runoff and pollutant loading from excess irrigation via the following:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |

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|                                                                          | <p>(a) Promoting and/or working with potable water purveyors to promote conservation programs that minimize discharges from lawn watering and landscape irrigation practices;</p> <p>(b) Promoting outreach messages regarding the use of less toxic options for pest control and landscape management;</p> <p>(c) Promoting and/or working with potable water purveyors to promote the use of drought tolerant, native vegetation to minimize landscape irrigation demands;</p> <p>(d) Promoting and/or working with potable water purveyors to promote outreach messages that encourage appropriate applications of water needed for irrigation and other watering practices; and</p> <p>(e) Implementing the Illicit Discharge Enforcement Response Plan from Provision C.5.b, as necessary, for ongoing, large-volume landscape irrigation runoff to their storm drain systems.</p> <p>(2) <b>Reporting</b> – The Permittees shall provide implementation summaries in each Annual Report.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
| <b>C.17. Discharges Associated with Unsheltered Homeless Populations</b> | <p>The purpose of this Provision is to identify and ensure the implementation of appropriate control measures, by all Permittees, to address non-stormwater discharges into MS4s associated with unsheltered homeless populations, including discharges from areas where unsheltered people congregate (e.g., formal and informal encampments including, but not limited to, informal tent or small cabin encampments, areas where people living in vehicles park, and safe parking areas). This Provision refers to such discharges collectively as discharges associated with homelessness.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
| <b>C.17.a Permittees Requirements</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
| <b>i. Task Description</b>                                               | <p>(1) Permittees shall use results from biennial point-in-time census surveys and related information, such as municipal reports, databases, complaint logs, and other efforts, to gain a better understanding of unsheltered homeless population numbers within the Permittee's jurisdiction, the locations of unsheltered homeless residents, discharges and water quality-related impacts associated with homelessness, and associated sanitation-related needs.</p> <p>(2) To encourage ongoing regional, countywide, and municipal coordination efforts, Permittees shall collectively develop a best management practice report that identifies effective practices to address non-storm water discharges associated with homelessness into MS4s that impact water quality and specific milestones for reducing such discharges within a given timeframe. The report shall:</p> <p>(a) Describe practices that may be implemented by Permittees, including those currently being implemented, to address discharges associated with homelessness that are impacting water quality;</p> <p>(b) Identify regional and/or countywide efforts and implementation actions to address discharges associated with homelessness (including how those efforts and actions have been affected by unsheltered homeless population growth). Include recommendations for engaging in these efforts and incorporating discharge-reduction strategies that also help meet the unsheltered population's clean water needs; and</p> <p>(c) Identify actions taken during the COVID-19 pandemic to reduce the spread of the virus in homeless populations, such as temporarily housing homeless people in hotels, that may have reduced discharges associated with homelessness. Permittees shall consider the practicability of such actions for longer-term implementation. This task's broader goals are to recognize non-stormwater pollutant sources associated with unsheltered homeless populations, reasons for discharges, and means by which they occur, and develop useful information that can be used toward prioritizing individual Permittee and collaborative best management practices for reducing or managing such discharges, while ensuring the protection of public health. Examples of collaborative implementation programs could include collaborative efforts between Permittees, Caltrans, sanitary sewer agencies, railroads, non-governmental organizations (NGOs), social service agencies and organizations, and other agencies.</p> |                    |
| <b>ii. Implementation Level</b>                                          | <p>(1) Each Permittee shall submit a map identifying, within its jurisdiction, the approximate location(s) of unsheltered homeless populations, including homeless encampments and other areas where other unsheltered homeless people live. The map shall identify those location(s) in relation to storm drain inlets and existing streams, rivers, flood control channels, and other surface water bodies within the Permittee's jurisdiction. The map shall be updated once during the Permit term, in 2025. Where Permittees are working collaboratively to address discharges associated with homelessness, they may collaborate to submit a joint map that covers their respective jurisdictions.</p> <p>(2) Permittees shall report on the programmatic efforts being implemented within their jurisdiction, or at the countywide or regional level, to address MS4 discharges associated with homelessness. Examples of these efforts may include, but are not limited to: funding initiatives; adoption of ordinances to implement service programs; coordination with social services departments and NGOs; efforts to establish relationships with homeless populations; and alternative actions to reduce discharges to surface waters associated with homelessness, such as efforts towards providing housing, jobs, and related services for residents experiencing homelessness.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Responsible Agency |
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| Section                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|                                                                                                                                                                                                                                             | <p>(3) Each Permittee shall identify and implement appropriate best management practices to address MS4 discharges associated with homelessness that impact water quality, including those impacts that can lead to public health impacts. In addition, Permittees shall also evaluate and assess the effectiveness of those practices, specifically by reporting on the BMP control measures being implemented, the approximate portion of the Permittee's unsheltered homeless population and locations being served by those control measures, and the portion and locations of the Permittee's unsheltered homeless population not reached, or not fully reached by the implemented control measures. Examples of actions that may be implemented include, but are not limited to, access to emergency shelters; the provision of social services and sanitation services; voucher programs for proper disposal of RV sanitary sewage; establishment of designated RV "safe parking" areas or formalized encampments with appropriate services; provision of mobile pump-out services; establishing and updating sidewalk/street/plaza cleaning standards for the cleanup and appropriate disposal of human waste; and establishing trash and waste cleanup or pickup programs within the Permittee's jurisdiction, or at the countywide or regional level.</p> <p>(4) Permittees shall use the information generated through the biennial point-in-time census surveys and related information, and the regional coordination tasks (as described above) to review and update their implementation practices.</p> |                    |
| iii.                                                                                                                                                                                                                                        | <p>(1) With the 2023 Annual Report, Permittees shall collectively submit, acceptable to the Executive Officer, a best management practice report as described in Provision C.17.a.i.(2).</p> <p>(2) With the 2023 and 2025 Annual Reports, Permittees shall submit a map as described in Provision C.17.a.ii.(1).</p> <p>(3) With the 2023 and 2025 Annual Reports, Permittees shall submit a map as described in Provision C.17.a.ii.(1).</p> <p>With the 2023 and 2025 Annual Reports, each Permittee shall report on the best management practices being implemented and include the effectiveness evaluation reporting required in Provision C.17.a.ii.(3) and additional actions or changes to existing actions that the Permittee will implement to improve existing practices.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| <b>C.20. Cost Reporting</b>                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
| <b>C.20.a. Task Description</b> – Each Permittee shall annually prepare and submit a fiscal analysis of the capital and operation and maintenance costs incurred to comply with this Order's requirements listed in Provision C.20.b.(iii). |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>C.20.b.</b>                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |



| Section | LEGEND: C = CITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D = DISTRICT | B = BOTH CITY & DISTRICT | Responsible<br>Agency |
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|         | i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                          |                       |
|         | ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                          |                       |
|         | iii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          |                       |
|         | iv.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                          |                       |
|         | The Permittees shall develop a cost reporting framework and methodology to perform the fiscal analysis. Permittees are encouraged to collaboratively develop the framework and methodology for purposes of efficiency, cost-savings, and regionwide consistency and comparability. The framework shall consider identification of costs incurred solely to comply with this Order's requirements as listed in Provision C.20.b.(iii) as compared to costs shared with other programs or regulatory requirements, provide meaningful data to assess costs of different program areas, and allow for comparisons and to identify trends over time. |              |                          |                       |
|         | The analysis shall include a description of the source of funds that are proposed to meet the necessary expenditures, including legal restrictions on the use of such funds, and identify any funding resources shared on a regional or countywide basis. The analysis shall include the costs incurred to comply with this Permit, and an estimate of costs for the upcoming Permit year.                                                                                                                                                                                                                                                       |              |                          |                       |
|         | The analysis shall include the following program areas, specifically as required under this Order:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                          |                       |
|         | (1) Program management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                          |                       |
|         | (2) Municipal operations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                          |                       |
|         | (3) New development and redevelopment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                          |                       |
|         | (4) Industrial and commercial site controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                          |                       |
|         | (5) Illicit discharge detection and elimination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                          |                       |
|         | (6) Construction site controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                          |                       |
|         | (7) Public information and outreach                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                          |                       |
|         | (8) Water quality monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                          |                       |
|         | (9) Pesticides toxicity controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                          |                       |
|         | (10) Trash load reduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                          |                       |
|         | (11) Mercury controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                          |                       |
|         | (12) PCBs controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                          |                       |
|         | (13) Copper controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          |                       |
|         | (14) Bacteria controls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                          |                       |
|         | (15) Discharges associated with unsheltered homeless populations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                          |                       |
|         | (16) Asset management plan development and implementation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                          |                       |
|         | The costs reported for each program area shall address the following categories:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                          |                       |
|         | (1) Total cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                          |                       |
|         | (2) Capital expenditure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                          |                       |
|         | (3) Land cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |                          |                       |
|         | (4) Personnel costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                          |                       |
|         | (5) Consultant costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                          |                       |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                       | Responsible Agency |
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| Section                                                          |                                                                                                                                                       |                    |
|                                                                  | (6) Overhead costs                                                                                                                                    |                    |
|                                                                  | (7) Construction costs                                                                                                                                | N/A                |
|                                                                  | (8) Operation and maintenance costs                                                                                                                   |                    |
|                                                                  | (9) Other costs                                                                                                                                       | NA                 |
| C.20.c.                                                          | Reporting                                                                                                                                             |                    |
| i.                                                               | The Permittees shall submit the cost reporting framework and methodology, acceptable to the Regional Water Board Executive Officer, by June 30, 2023. | N/A                |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Responsible Agency |
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| Section                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                                  | ii. The Permittees shall submit their fiscal analyses annually according to the accepted cost reporting framework and methodology starting with the 2025 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | N/A                |
| <b>C.21. Asset Management</b>                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
| <b>C.21.a.</b>                                                   | <b>Task Description</b> – Each Permittee shall develop and implement an Asset Management Plan in order to ensure the satisfactory condition of all hard assets constructed during this and Previous Permit terms pursuant to Provisions C.2 Municipal Operations, C.3 New Development and Redevelopment, C.10 Trash Load Reduction, C.11 Mercury Controls, C.12 PCBs Controls, C.13 Copper Controls, C.14 Bacteria Controls for Impaired Water Bodies, C.17 Discharges Associated with Unsheltered Homeless Populations, C.18 San Mateo County Sediment Controls, and C.19 Cities of Antioch, Brentwood, and Oakley, Unincorporated Contra Costa County, and the Contra Costa County Flood Control and Water Conservation District Requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| <b>C.21.b.</b>                                                   | <b>Implementation Level</b> – Each Permittee shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|                                                                  | i. Develop an Asset Management Plan by June 30, 2025, which, at a minimum, shall include the following: <ul style="list-style-type: none"> <li>(1) A description of the asset categories to be included.</li> <li>(2) An inventory (or link to such an inventory) of Permittees' existing hard assets built pursuant to the Provisions cited in Provision C.21.a, including at a minimum all LID/GSI systems and trash capture devices.</li> <li>(3) An Operation, Maintenance, Rehabilitation, and Replacement Plan (Asset Management O&amp;M Plan), to evaluate data obtained through asset assessment in order to inform a strategy for prioritizing and scheduling maintenance, rehabilitation, and replacement of inventoried assets, including: <ul style="list-style-type: none"> <li>(a) A process for prioritizing and scheduling operation and maintenance activities.</li> <li>(b) A process(es) for evaluating the current condition, and identifying the need for and carrying out, as appropriate, the rehabilitation and replacement of inventoried assets. The process(es) shall account for: <ul style="list-style-type: none"> <li>(i) The minimum condition necessary to achieve minimum performance level(s) for each type of hard asset, including an assessment of stormwater volume and pollutant load reduction, necessary to comply with applicable Permit Provisions and TMDLs.</li> </ul> </li> </ul> </li> </ul> |                    |

| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Responsible Agency |
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| ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Begin implementation of the Asset Management Plan no later than July 1, 2025.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                |
| iii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Reassess and update their Asset Management Plan on an as-needed basis, to address changing conditions and resources.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | N/A                |
| iv.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Provide the latest version of the Asset Management Plan to Water Board staff during inspections and audits, or otherwise upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | N/A                |
| v.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Complete a Climate Change Adaptation Report to identify potential climate change-related threats to assets and appropriate adaptation strategies. The report shall assess existing, new, and increasing threats from climate change to the condition of Permittees' inventoried hard assets over the next 50 years, and identify approaches that Permittees may implement to address those threats, such as the modification of design standards and countywide technical guidance documents. The Climate Change Adaptation Report may be developed on an all-Permittee (regional) scale or countywide scale.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                |
| <b>C.21.c. Reporting</b><br>i. The Permittees shall submit their Asset Management Plans with the 2025 Annual Reports.<br><br>ii. The Permittees shall report on the implementation of their Asset Management Plans annually, starting with the 2026 Annual Reports, as follows:<br><br>(1) Provide (or link to) an inventory of all assets accounted for in the Asset Management Plan.<br><br>(a) Different categories of assets (e.g., trash controls, LID/GSI controls, bacteria controls) may be maintained in separate inventories.<br><br>(2) At a minimum, for each asset in the inventory, provide the following: category or type of water quality control; relevant design information; tributary drainage area; location; condition based on periodic inspections either by municipal or contracted staff; and operation and maintenance need (for example, while most assets may require normal operation & maintenance, Permittees may identify a subset of assets in need of rehabilitation or replacement). This information does not have to be submitted in tabular format in the Annual Report; it may be provided externally, at the linked location identified in Provision C.21.c.ii.(1) above.<br><br>iii. The Permittees shall submit the Climate Change Adaptation Report described in Provision C.21.b.v with their 2026 Annual Reports. The Permittees may submit the Climate Change Adaptation Report(s) on an all-Permittee (regional) scale or countywide scale.                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/A                |
| <b>C.22. Annual Reports</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
| <b>C.22.a.</b> The Permittees shall submit Annual Reports electronically, including a verified electronic signature (e.g., Adobe e-signature, DocuSign, or equivalent), in all cases by September 30 of each year, in the manner specified by the Water Board. Each Annual Report shall report on the previous fiscal year beginning July 1 and ending June 30. The annual reporting requirements are set forth in Provisions C.1 – C.21, with the exception of the 2022 annual reporting requirements for Provisions C.2 – C.9, which are set forth in Provisions C.2 - C.9 of the previous Permit, Order No. R2-2015-0049, as amended. The Permittees shall retain documentation as necessary to support their Annual Report. The Permittees shall make this supporting information available upon request within a timely manner, generally no more than ten business days unless otherwise agreed to by the Executive Officer.<br><br><b>C.22.b.</b> The Permittees shall collaboratively develop a common annual reporting format for acceptance by the Executive Officer by March 1, 2023. The resulting Annual Report Form, once approved, shall be used by all Permittees. The Annual Report Form may be changed by March 1 of each year for the following Annual Report, to more accurately reflect the reporting requirements of Provisions C.1 – C.21, with the agreement of the Permittees and by the approval of the Executive Officer.<br><br><b>C.22.c.</b> The Permittees shall certify in each Annual Report that they are in compliance with all requirements of the Order. If a Permittee is unable to certify compliance with a requirement, it must submit, in the cover letter of the Annual Report, the reason for its failure to comply, a description and schedule of tasks necessary to achieve compliance, and an estimated date for achieving full compliance. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>C.23. Modification to this Order</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| The Water Board may modify or reopen this Order, or alternatively, revoke or reissue it, before the expiration date in any of the following circumstances or as authorized by law:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |

| Section                              | LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT                                                                                                                                                                                                                                              | Responsible<br>Agency |
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| <b>C.23.a.</b>                       | To address significant changed conditions identified in the technical or Annual Reports required by the Water Board, or through other means or communication, that were unknown at the time of the issuance of this Order;                                                                                    |                       |
| <b>C.23.b.</b>                       | To incorporate applicable requirements of statewide water quality control plans adopted by the State Water Board or amendments to the Basin Plans for the San Francisco Bay and the Sacramento and San Joaquin River Basins approved by the State Water Board;                                                |                       |
| <b>C.23.c.</b>                       | To comply with any applicable requirements, guidelines, or regulations issued or approved under section 402(p) or other applicable provision of the CWA, if the requirement, guideline, or regulation so issued or approved contains different conditions or additional requirements not provided for in this |                       |
| <b>C.23.d.</b>                       | To provide an alternative compliance program for exchanges of impervious surface treatment credits in Provision C.3.e.i; or                                                                                                                                                                                   |                       |
| <b>C.23.e.</b>                       | To incorporate applicable requirements from the Central Valley Regional Water Board's Phase 1 Delta Mercury Control Program Review under the Basin Plan for the Sacramento and San Joaquin River Basin.                                                                                                       |                       |
| <b>C.24. Standard Provisions</b>     |                                                                                                                                                                                                                                                                                                               |                       |
|                                      | Each Permittee shall comply with all parts of the Standard Provisions contained in Attachment G of this Order.                                                                                                                                                                                                |                       |
| <b>C.25. Expiration Date</b>         |                                                                                                                                                                                                                                                                                                               |                       |
|                                      | This Order expires on June 30, 2027, five years from the effective date of this Order. The Permittees must file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of such date as application for reissuance of waste discharge     |                       |
| <b>C.26. Rescission of Old Order</b> |                                                                                                                                                                                                                                                                                                               |                       |
|                                      | Order No. R2-2015-0049, as amended by Order No. R2-2019-0004, is hereby rescinded, except for enforcement purposes, on the effective date of this Order, which shall be July 1, 2022, provided that the Regional Administrator of U.S. EPA, Region IX, does not object.                                       |                       |
| <b>C.27. Effective Date</b>          |                                                                                                                                                                                                                                                                                                               |                       |
|                                      | The Effective Date of this Order and Permit shall be July 1, 2022, provided that the Regional Administrator of U.S. EPA, Region IX, does not object.                                                                                                                                                          |                       |

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|               | <b>A. DISCHARGE PROHIBITIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
| <b>A.1.</b>   | The Permittees shall, within their respective jurisdictions, effectively prohibit the discharge of non-stormwater (materials other than stormwater) into storm drain systems and watercourses. NPDES-permitted discharges are exempt from this prohibition. Provision C.15 describes a tiered categorization of non-stormwater discharges based on potential for pollutant content that may be discharged upon adequate assurance that the discharge contains no pollutants of concern at concentrations that will impact beneficial uses or cause exceedances of water quality standards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
| <b>A.2.</b>   | It shall be prohibited to discharge rubbish, refuse, bark, sawdust, or other solid wastes into surface waters or at any place where they would contact or where they would be eventually transported to surface waters, including flood plain areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
|               | <b>B. RECEIVING WATER LIMITATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| <b>B.1.</b>   | The discharge shall not cause the following conditions to create a condition of nuisance or to adversely affect beneficial uses of waters of the State:<br>a. Floating, suspended, or deposited macroscopic particulate matter, or foam;<br>b. Bottom deposits or aquatic growths;<br>c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;<br>d. Visible, floating, suspended, or deposited oil or other products of petroleum origin; and<br>e. Substances present in concentrations or quantities that would cause deleterious effects on aquatic biota, wildlife, or waterfowl, or that render any of these unfit for human consumption.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
| <b>B.2.</b>   | The discharge shall not cause or contribute to a violation of any applicable water quality standard for receiving waters. If applicable water quality objectives are adopted and approved by the State Water Board after the date of the adoption of this Order, the Water Board may revise and modify this                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
| <b>C.1.</b>   | <b>Compliance with Discharge Prohibitions and Receiving Waters Limitations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|               | The Permittees shall comply with Discharge Prohibitions A.1 and A.2 and Receiving Water Limitations B.1 and B.2 through the timely implementation of control measures and other actions as specified in Provisions C.2 through C.15. Compliance with Provisions C.9 through C.12 and C.14 of this Order, which prescribe requirements and schedules for Permittees identified therein to manage their discharges that may cause or contribute to violations of water quality standards (WQS) for pesticides, trash, mercury, polychlorinated biphenyls (PCBs), and bacteria, shall constitute compliance during the term of this Order with Receiving Water Limitations B.1 and B.2 for the pollutants and the receiving waters identified in the provisions. Compliance with Provision C.10, which prescribes requirements and schedules for Permittees to manage their discharges of trash, shall also constitute compliance with Discharge Prohibitions A.1 and A.2 during the term of this Order for discharges of trash. If exceedance(s) of (WQS), except for exceedances of water quality standards for pesticides, trash, mercury, PCBs, and bacteria that are managed pursuant to Provisions C.9 through C.12 and C.14, persist in receiving waters notwithstanding the implementation of the required controls and actions, the Permittees shall comply with the following procedure: | B                  |
| <b>C.1.a.</b> | a. Upon a determination by either the Permittee(s) or the Water Board that discharges are causing or contributing to an exceedance of an applicable (WQS), the Permittee(s) shall notify, within no more than 30 days, and thereafter submit a report to the Water Board that describes controls or best management practices (BMPs) that are currently being implemented, and the current level of implementation, and additional controls or BMPs that will be implemented, and/or an increased level of implementation, to prevent or reduce the discharge of pollutants that are causing or contributing to the exceedance of water quality standards. The report may be submitted in conjunction with the Annual Report, unless the Water Board directs an earlier submittal, and shall constitute a request to the Water Board for amendment of this NPDES Permit. The report and application for amendment shall include an implementation schedule. The Water Board may require modifications to the report and application for amendment; and                                                                                                                                                                                                                                                                                                                                          | B                  |

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| C.1.b.  | b. Submit any modifications to the report required by the Water Board within 30 days of notification.<br>As long as Permittees have complied with the procedures set forth above, they do not have to repeat the same procedure for continuing or recurring exceedances of the same receiving water limitations unless directed by the Water Board to develop additional control measures and BMPs and reinitiate                                                                                                                                                                                                                                                                                   | B                  |
|         | <b>C.2. Municipal Operations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|         | The purpose of this provision is to ensure implementation of appropriate BMPs by all Permittees to control and reduce non-stormwater and polluted stormwater discharges to storm drains and watercourses during operation, inspection, and routine repair and maintenance activities of municipal facilities                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| C.2.a.  | <b>Street and Road Repair and Maintenance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | <b>i. Task Description</b> – Asphalt/Concrete Removal, Cutting, Installation, and Repair                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|         | The Permittees shall implement appropriate BMPs at street and road repair and/or maintenance sites to control debris and waste materials during road and parking lot installation, repaving, or repair maintenance activities, such as those described in the California Stormwater Quality Association's (CASQA's) Handbook for Municipal Operations.                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | <b>ii. Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|         | (1) The Permittees shall require proper management of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater to avoid discharge to storm drains from such work sites. The Permittees shall coordinate with sanitary sewer agencies to determine if disposal to the sanitary sewer system is available for the wastewater generated from these activities provided that appropriate approvals are obtained and pretreatment standards are met.                                                                                                                                                                                    | B                  |
|         | (2) The Permittees shall require sweeping and/or vacuuming to remove debris, concrete, or sediment residues from such work sites upon completion of work. The Permittees shall require cleanup of all construction debris, spills, and leaks using dry methods (e.g., absorbent materials, rags, pads, and vacuuming), as described in the Bay Area Stormwater Management Agencies Association's (BASMAA's) Blueprint for a Clean Bay.                                                                                                                                                                                                                                                              | B                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | The Permittees shall report on implementation of and compliance with these BMPs in the Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |
| C.2.b.  | <b>Sidewalk/Plaza Maintenance and Pavement Washing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | The Permittees shall implement and require to be implemented BMPs that prevent the discharge of polluted wash water and non- stormwater to storm drains for pavement washing; sidewalk and plaza cleaning; mobile cleaning; pressure washing operations in locations such as parking lots and garages; trash areas; and gas station fueling areas. The Permittees shall implement the BMPs included in BASMAA's Mobile Surface Cleaner Program. The Permittees shall coordinate with sanitary sewer agencies to determine if disposal to the sanitary sewer is available for the wastewater generated from these activities provided that appropriate approvals and pretreatment standards are met. | B                  |
|         | <b>ii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | The Permittees shall report on implementation of and compliance with these BMPs in their Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |
| C.2.c.  | <b>Bridge and Structure Maintenance and Graffiti Removal</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (1) The Permittees shall implement appropriate BMPs to prevent polluted stormwater and non-stormwater discharges from bridges and structural maintenance activities directly over water or into storm drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | (2) The Permittees shall implement BMPs for graffiti removal that prevent non-stormwater and wash water discharges into storm drains.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |

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|               | <b>ii. Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | (1) The Permittees shall prevent all debris, including structural materials and coating debris, such as paint chips, and other debris and pollutants generated in bridge and structure maintenance or graffiti removal from entering storm drains or water courses.                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (2) The Permittees shall protect nearby storm drain inlets before removing graffiti from walls, signs, sidewalks, or other structures. The Permittees shall prevent any discharge of debris, cleaning compound waste, paint waste, or wash water due to graffiti removal from entering storm drains or                                                                                                                                                                                                                                                                                           | C                  |
|               | (3) The Permittees shall use proper disposal methods for wastes generated from these activities. The Permittees shall train their employees and/or specify in contracts the proper capture and disposal methods for the wastes generated.                                                                                                                                                                                                                                                                                                                                                        | C                  |
|               | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|               | The Permittees shall report on implementation of and compliance with these BMPs in their Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| <b>C.2.d.</b> | <b>Stormwater Pump Stations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|               | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|               | The Permittees shall implement measures to operate, inspect, and maintain stormwater pump stations to eliminate non-stormwater discharges containing pollutants, and to reduce pollutant loads in stormwater discharges to comply with WQSS.                                                                                                                                                                                                                                                                                                                                                     | D                  |
|               | <b>ii. Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | The Permittees shall comply with the following at Permittee-owned or -operated pump stations:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|               | (1) Upon becoming aware that the discharge from a pump station has a dissolved oxygen (DO) concentration below 3.0 mg/L, implement corrective actions, such as continuous pumping at a low flow rate, aeration, or other appropriate methods to maintain DO concentrations of the discharge above 3 milligrams per liter (mg/L) and verify the effectiveness of the corrective actions with monitoring. Corrective actions do not need to be implemented on discharges from pump stations that remain in the stormwater collection system or infiltrate into a dry creek immediately downstream. | D                  |
|               | (2) Ensure that pump stations are free from debris and trash and replace any oil absorbent booms, as needed, and investigate and abate illicit discharges. Pump stations excluded from C.2.d.ii.(1) above are not excluded from this requirement.                                                                                                                                                                                                                                                                                                                                                | D                  |
|               | (3) The Permittees shall maintain records of inspection, maintenance, implementation of corrective actions, and any monitoring records at Permittee-owned or -operated pumped stations. These records shall be made available to Water Board staff or its representatives during inspections and audits, or                                                                                                                                                                                                                                                                                      | D                  |
| <b>C.2.e.</b> | <b>Rural Public Works Construction and Maintenance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|               | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|               | Rural Road and Public Works Construction and Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NA?                |
|               | For the purpose of this provision, rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing, or open space uses.                                                                                                                                                                                                                                                                                                                                                                            | NA                 |
|               | The Permittees shall implement and require contractors to implement BMPs for erosion and sediment control during and after construction for maintenance activities on rural roads, particularly in or adjacent to stream channels or wetlands. The Permittees shall notify the Water Board, the California Department of Fish and Wildlife (CDFW), and the U.S. Army Corps of Engineers, where applicable, and obtain appropriate agency permits for rural public works activities before work in or near creeks and wetlands.                                                                   | NA                 |
|               | <b>ii. Implementation Levels</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | (1) The Permittees shall continue to implement BMPs for erosion and sediment control measures during construction and maintenance activities on rural roads, including developing and implementing appropriate training and technical assistance resources for rural public works activities.                                                                                                                                                                                                                                                                                                    | NA                 |
|               | (2) The Permittees shall implement appropriate BMPs for the following activities. BMPs shall minimize impacts on streams and wetlands in the course of rural road and public works maintenance and construction activities:                                                                                                                                                                                                                                                                                                                                                                      | NA                 |
|               | (a) Road design, construction, maintenance, and repairs in rural areas that prevent and control road-related erosion and sediment transport;                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NA                 |
|               | (b) Identification and prioritization of rural road maintenance on the basis of soil erosion potential, slope steepness, and stream habitat resources;                                                                                                                                                                                                                                                                                                                                                                                                                                           | NA                 |

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|               | (c) Construction of roads and culverts that do not impact creek functions. New or replaced culverts shall not create a migratory fish passage barrier, where migratory fish are present, or lead to stream instability;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA                 |
|               | (d) Implementation of an inspection program to maintain rural roads' structural integrity and prevent impacts to water quality;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NA                 |
|               | (e) Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts, and address excessive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NA                 |
|               | (f) Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NA                 |
|               | (g) Replacement of existing culverts or design of new culverts or bridge crossings shall use measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology in a stable manner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NA                 |
|               | (3) The Permittees shall incorporate existing training and guidance on permitting requirements for rural public works activities so as to stress the importance of proper planning and construction to avoid water quality impacts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NA                 |
|               | (4) The Permittees shall provide training incorporating these BMPs to rural public works maintenance staff at least twice within this Permit term.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NA                 |
|               | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|               | The Permittees shall report on the implementation of and compliance with BMPs for the rural public works construction and maintenance activities in their Annual Report, including reporting on increased maintenance in priority areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA                 |
| <b>C.2.f.</b> | <b>Corporation Yard BMP Implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|               | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|               | Corporation Yard Maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
|               | (1) The Permittees shall implement and maintain a site-specific Stormwater Pollution Prevention Plan (SWPPP) for corporation yards, including municipal vehicle maintenance, heavy equipment, and maintenance vehicle parking areas, and material storage facilities, to comply with water quality standards. Each SWPPP shall incorporate all applicable BMPs that are described in the California Stormwater Quality Association's (CASQA's) Handbook for Municipal Operations and the Caltrans Storm Water Quality Handbook Maintenance Staff Guide, May 2003, and its addenda, as appropriate.                                                                                                                                                                            | B                  |
|               | (2) The requirements in this provision shall apply only to facilities that are not covered under the State Water Board's Industrial Stormwater NPDES General Permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
|               | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|               | (1) Implement BMPs to minimize pollutant discharges in stormwater and prohibit non-stormwater discharges, such as wash waters and street sweeper, vactor, and other related equipment wash water. Pollution control actions shall include, but not be limited to, good housekeeping practices, material and waste storage control, and vehicle leak and spill control.                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
|               | (2) Routinely inspect corporation yards to ensure that non-stormwater discharges are not entering the storm drain system and pollutant discharges are prevented to the maximum extent practicable. At a minimum, each corporation yard shall be fully inspected each year between September 1 and September 30, beginning the 2016-2017 reporting year. Active non-stormwater discharges shall cease immediately. Corrective actions shall be implemented before the next rain event, but no longer than 10 business days after the potential and/or actual discharges are discovered. Corrective actions can be temporary and more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, a                        | B                  |
|               | (3) Plumb all vehicle and equipment wash areas to the sanitary sewer after coordination with the local sanitary sewer agency and equip with a pretreatment device (if necessary) in accordance with the requirements of the local sanitary sewer agency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
|               | (4) Use dry cleanup methods when cleaning debris and spills from corporation yards. If wet cleaning methods must be used (e.g., pressure washing), the Permittee shall ensure that wash water is collected and disposed in the sanitary sewer after coordination with the local sanitary sewer agency and in accordance with the requirements of the local sanitary sewer agency. Any private companies hired by the Permittee to perform cleaning activities on Permittee-owned property shall follow the same requirements. In areas where sanitary sewer connection is not available, the Permittees shall collect and haul the wash water to a municipal wastewater treatment plant, or implement appropriate BMPs and dispose of the wastewater to land in a manner that | B                  |



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|               | (5) Outdoor storage areas containing pollutants shall be covered and/or bermed to prevent discharges of polluted stormwater runoff or run-on to storm                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
|               | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|               | (1) In the 2015-2016 Annual Report, Permittees shall report on implementation of SWPPPs, the results of inspections, and any followup actions in their Annual Report                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |
|               | (2) Beginning with the 2016-2017 Annual Report, Permittees shall list activities conducted in the corporation yards that have BMPs in the site- specific SWPPP, date of inspections, the results of inspections, and any followup actions, including the date of any necessary corrective actions implemented, in                                                                                                                                                                                                                                                                                                  | B                  |
| <b>C.3.</b>   | <b>New Development and Redevelopment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|               | The goal of Provision C.3 is for the Permittees to use their planning authorities to include appropriate source control, site design, and stormwater treatment measures in new development and redevelopment projects to address stormwater runoff pollutant discharges and prevent increases in runoff flows from new development and redevelopment projects. This goal is to be accomplished primarily through the implementation of low impact                                                                                                                                                                  | C                  |
| <b>C.3.a.</b> | <b>New Development and Redevelopment Performance Standard Implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|               | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|               | At a minimum, each Permittee shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|               | (1) Have adequate legal authority to implement all requirements of Provision C.3;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
|               | (2) Have adequate development review and permitting procedures to impose conditions of approval or other enforceable mechanisms to implement the requirements of Provision C.3. For projects discharging directly to CWA section 303(d)-listed waterbodies, conditions of approval must require that post-development runoff not exceed pre-development levels for such pollutants that are listed;                                                                                                                                                                                                                | C                  |
|               | (3) Evaluate potential water quality effects and identify appropriate mitigation measures when conducting environmental reviews, such as under CEQA;                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|               | (4) Provide training adequate to implement the requirements of Provision C.3 for staff, including interdepartmental training;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|               | (5) Provide outreach adequate to implement the requirements of Provision C.3, including providing education materials to municipal staff, developers, contractors, construction site operators, and owner/builders, early in the planning process and as appropriate;                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (6) For all new development and redevelopment projects that are subject to the Permittee's planning, building, development, or other comparable review, but not regulated by Provision C.3, encourage the inclusion of adequate site design measures that may include minimizing land disturbance and impervious surfaces (especially parking lots); clustering of structures and pavement; directing roof runoff to vegetated areas; use of micro-detention, including distributed landscape-based detention; preservation of open space; protection and/or restoration of riparian areas and wetlands as project | C                  |
|               | (7) For all new development and redevelopment projects that are subject to the Permittee's planning, building, development, or other comparable review, but not regulated by Provision C.3, encourage the inclusion of adequate source control measures to limit pollutant generation, discharge, and runoff. These source control measures should include:                                                                                                                                                                                                                                                        | C                  |
|               | • Storm drain inlet stenciling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | • Landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, minimizes the use of pesticides and fertilizers, and incorporates appropriate sustainable landscaping practices and programs, such as Bay-Friendly Landscaping.                                                                                                                                                                                                                                                                                                                                                  | C                  |
|               | • Appropriate covers, drains, and storage precautions for outdoor material storage areas, loading docks, repair/maintenance bays, and fueling areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|               | • Covered trash, food waste, and compactor enclosures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | • Plumbing of the following discharges to the sanitary sewer, subject to the local sanitary sewer agency's regulations and standards:                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | • Discharges from indoor floor mat/equipment/hood filter wash racks or covered outdoor wash racks for restaurants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|               | • Dumpster drips from covered trash and food compactor enclosures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|               | • Discharges from outdoor covered wash areas for vehicles, equipment, and accessories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | • Swimming pool water, if discharge to onsite vegetated areas is not a feasible option.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|               | • Fire sprinkler test water, if discharge to onsite vegetated areas is not a feasible option.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |

LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT

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|               | (8) Revise, as necessary, General Plans to integrate water quality and watershed protection with water supply, flood control, habitat protection, groundwater recharge, and other sustainable development principles and policies (e.g., referencing the Bay-Friendly Landscape Guidelines).                                                                                                                                                                                                                                                                                                                                                           | C                  |
|               | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|               | Provide a brief summary of the method(s) of implementation of Provisions C.3.a.i.(1)–(8) in the 2016 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
| <b>C.3.b.</b> | <b>Regulated Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|               | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|               | The Permittees shall require all projects fitting the category descriptions listed in Provision C.3.b.ii. below (hereinafter called Regulated Projects) to implement LID source control, site design, and stormwater treatment onsite or at a joint stormwater treatment facility <sup>1</sup> in accordance with Provisions C.3.c. and C.3.d., unless the Provision C.3.e. alternate compliance options are invoked. For adjacent Regulated Projects that will discharge runoff to a joint stormwater treatment facility, the treatment facility must be completed by the end of construction of the first Regulated Project that will be discharging | C                  |
|               | (1) Any Regulated Project that has been approved with stormwater treatment measures in compliance with Provision C.3.d. under a previous MS4 permit is exempt from the requirements of Provision C.3.c. (low impact development requirements).                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
|               | (2) Any Regulated Project that was approved with no Provision C.3. stormwater treatment requirements under a previous MS4 permit and that has not begun construction by the effective date of this permit, shall be required to fully comply with the requirements of C.3.c. and C.3.d. Permittees may grant exemptions from this requirement as follows:                                                                                                                                                                                                                                                                                              | C                  |
|               | (a) An exemption may be granted to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | (i) Any Regulated Project that was previously approved with a vesting tentative map that confers a vested right to proceed with development in substantial compliance with the ordinance, policies, and standards in effect at the time the vesting tentative map was approved or conditionally approved,                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (ii) Any Regulated Project for which the Permittee has no legal authority to require changes to previously granted approvals, such as projects that have been granted building permits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|               | (b) An exemption from the LID requirements of Provision C.3.c. may be granted to any Regulated Project as long as stormwater treatment with media filters is provided that comply with the hydraulic sizing requirements of Provision C.3.d.                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
|               | Regulated Projects, as they are defined in this Provision, do not include detached single-family home projects that are not part of a larger plan of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|               | <b>ii. Regulated Projects are defined in the following categories:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | <b>(1) Special Land Use Categories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | (a) <b>New Development or redevelopment projects</b> that fall into one of the categories listed below and that create and/or replace 5000 square feet or more of impervious surface (collectively over the entire project site). This category includes development projects of the following four types on public or private land that fall under the planning and building authority of a Permittee:                                                                                                                                                                                                                                                | C                  |
|               | (i) Auto service facilities, described by the following Standard Industrial Classification (SIC) Codes: 5013, 5014, 5541, 7532- 7534, and 7536-7539;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|               | (ii) Retail gasoline outlets;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|               | (iii) Restaurants (SIC Code 5812); or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
|               | (iv) Stand-alone uncovered parking lots and uncovered parking lots that are part of a development project if the parking lot creates and/or replaces 5,000 square feet or more of impervious surface. This category includes the top uncovered portion of parking structures, unless drainage from the uncovered portion is connected to the sanitary sewer along with the covered portions of the parking structure.                                                                                                                                                                                                                                  | C                  |
|               | (b) For redevelopment projects in the categories specified in Provision C.3.b.ii.(1)(a)(i)-(iv), specific exclusions are:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (i) Interior remodels; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | (ii) Routine maintenance or repair such as:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|               | · roof or exterior wall surface replacement, and/or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | · pavement resurfacing within the existing footprint.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | (c) Where a redevelopment project in the categories specified in Provision C.3.b.ii.(1)(a)(i)-(iv) results in an alteration of <b>50 percent or more</b> of the impervious surface of a previously existing development that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire redevelopment project).                                                                                                                                                                                     | C                  |
|         | (d) Where a redevelopment project in the categories specified in Provision C.3.b.ii.(1)(a)(i)-(iv) results in an alteration of <b>less than 50 percent</b> of the impervious surface of a previously existing development that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the new and/or replaced impervious surface of the project).                                                                                                                                                                                     | C                  |
|         | <b>(2) Other Development Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | New development projects that create 10,000 square feet or more of impervious surface (collectively over the entire project site) including commercial, industrial, residential housing subdivisions (i.e., detached single-family home subdivisions, multi-family attached subdivisions (town homes), condominiums, and apartments), mixed-use, and public projects. This category includes development projects on public or private land that fall under the planning and building authority of a Permittee. Detached single-family home projects that are not part of a larger plan of development are specifically                                                                                                        | C                  |
|         | <b>(3) Other Redevelopment Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | Redevelopment projects that create and/or replace 10,000 square feet or more of impervious surface (collectively over the entire project site) including commercial, industrial, residential housing subdivisions (i.e., detached single-family home subdivisions, multi-family attached subdivisions (town homes), condominiums, and apartments), mixed-use, and public projects. Redevelopment is any land-disturbing activity that results in the creation, addition, or replacement of exterior impervious surface area on a site on which some past development has occurred. This category includes redevelopment projects on public or private land that fall under the planning and building authority of a Permittee. | C                  |
|         | Specific exclusions to this category are:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|         | · Interior remodels; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | · Routine maintenance or repair such as:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | · roof or exterior wall surface replacement, and/or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|         | · pavement resurfacing within the existing footprint.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | (a) Where a redevelopment project results in an alteration of 50 percent or more of the impervious surface of a previously existing development that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire redevelopment project).                                                                                                                                                                                                                                                             | C                  |
|         | <b>(3) Other Redevelopment Projects (Continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|         | (b) Where a redevelopment results in an alteration of less than 50 percent of the impervious surface of a previously existing development that was not subject to Provision C.3., only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the new and/or replaced impervious surface of the project).                                                                                                                                                                                                                                                                    | C                  |
|         | <b>(4) Road Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | Any of the following types of road projects that create 10,000 square feet or more of newly constructed contiguous impervious surface and that fall under the building and planning authority of a Permittee:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
|         | (a) Construction of new streets or roads, including sidewalks and bicycle lanes built as part of the new streets or roads.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|         | (b) Widening of existing streets or roads with additional traffic lanes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | (i) Where the addition of traffic lanes results in an alteration of more than 50 percent of the impervious surface of an existing street or road within the project that was not subject to Provision C.3, the entire project, consisting of all existing, new, and/or replaced impervious surfaces, shall be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from the entire street or road                                                                                                                                                                                                                                                 | C                  |

LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT

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| (ii) Where the addition of traffic lanes results in an alteration of less than 50 percent of the impervious surface of an existing street or road within the project that was not subject to Provision C.3, only the new and/or replaced impervious surface of the project must be included in the treatment system design (i.e., stormwater treatment systems must be designed and sized to treat stormwater runoff from only the new traffic lanes). However, if the stormwater runoff from the existing traffic lanes and the added traffic lanes cannot be separated, any onsite treatment system shall be designed and sized to treat stormwater runoff from the entire street or road. If an offsite treatment system is installed or in-lieu fees paid in accordance with Provision C.3.e, the offsite treatment system or in-lieu fees must address only the stormwater runoff from the added traffic lanes. | C                  |
| (c) Construction of impervious trails that are greater than 10 feet wide or are creek-side (within 50 feet of the top of bank).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| (d) Specific exclusions to Provisions C.3.b.ii.(4)(a)-(c) include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
| · Sidewalks built as part of new streets or roads and built to direct stormwater runoff to adjacent vegetated areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
| · Bicycle lanes built as part of new streets or roads but are not hydraulically connected to the new streets or roads and that direct stormwater runoff to adjacent vegetated areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
| · Impervious trails built to direct stormwater runoff to adjacent vegetated areas, or other non-erodible permeable areas, preferably away from creeks or towards the outboard side of levees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
| · Sidewalks, bicycle lanes, or trails constructed with permeable surfaces.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| · Caltrans highway projects and associated facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| <b>iii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| All elements of Provision C.3.b.i.-ii. shall be fully implemented immediately, including a database or equivalent tabular format that contains all the information listed under Reporting (Provision C.3.b.iv.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| <b>iv. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| <b>(1) C.3.b.i.(2) Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
| In the 2017 Annual Report, each Permittee shall provide a complete list of the development projects that are subject to the requirements of Provision C.3.b.i.(2). For each such project, the Permittee shall indicate the type of stormwater treatment system required or the specific exemption granted, pursuant to Provision C.3.b.i.(2)(a) and (b). If a Permittee has no projects subject to Provision C.3.b.i.(2), it shall so state in the 2017 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| <b>(2) Annual Reporting – C.3.b.ii. Regulated Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| For each Regulated Project approved during the fiscal year reporting period, the following information shall be reported electronically in the fiscal year Annual Report, in tabular form (as set forth in the attached Provision C.3.b. Sample Reporting Table):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| (a) Project Name, Number, Location (cross streets), and Street Address;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| (b) Name of Developer, Phase No. (if project is being constructed in phases, each phase should have a separate entry), Project Type (e.g., commercial, industrial, multi-unit residential, mixed-use, public), and description;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| (c) Project watershed;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| (d) Total project site area and total area of land disturbed;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
| (e) Total new impervious surface area and/or total replaced impervious surface area;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
| (f) If redevelopment or road widening project, total pre-project impervious surface area and total post-project impervious surface area;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
| (g) Status of project (e.g., application date, application deemed complete date, project approval date);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
| (h) Source control measures;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
| (i) Site design measures;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
| (j) All post-construction stormwater treatment systems installed onsite, at a joint stormwater treatment facility, and/or at an offsite location;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
| (k) Operation maintenance responsibility mechanism for the life of project;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| (l) Hydraulic Sizing Criteria used;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
| (m) Alternative compliance measures for Regulated Project (if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |

LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT

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|               | (i) If alternative compliance will be provided at an offsite location in accordance with Provision C.3.e.i.(1), include information required in Provision C.3.b.iv.(2)(a) – (l) for the offsite project; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
|               | (ii) If alternative compliance will be provided by paying in-lieu fees in accordance with Provision C.3.e.i.(2), provide information required in Provision C.3.b.iv.(2)(a) – (l) for the Regional Project. Additionally, provide a summary of the Regional Project's goals, duration, estimated completion date, total estimated cost of the Regional Project, and estimated monetary contribution from the Regulated Project to the Regional Project; and                                                                                                                                                                                                                                                                                                             | C                  |
|               | (n) Hydromodification (HM) Controls (see Provision C.3.g.) – If not required, state why not. If required, state control method used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
| <b>C.3.c.</b> | <b>Low Impact Development (LID)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|               | The goal of LID is to reduce runoff and mimic a site's predevelopment hydrology by minimizing disturbed areas and impervious cover and then infiltrating, storing, detaining, evapotranspiring, and/or biotreating stormwater runoff close to its source. LID employs principles such as preserving and recreating natural landscape features and minimizing imperviousness to create functional and appealing site drainage that treats stormwater as a resource, rather than a waste product. Practices used to adhere to these LID principles include measures such as rain barrels and cisterns, green roofs, permeable pavement, preserving undeveloped open space, and biotreatment through rain gardens, bioretention units, bioswales, and planter/tree boxes. | C                  |
|               | <b>i. Task Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|               | The Permittees shall, at a minimum, implement the following LID requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|               | <b>(1) Source Control Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | Require all Regulated Projects to implement source control measures onsite that, at a minimum, shall include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|               | (a) Minimization of stormwater pollutants of concern in urban runoff through measures that may include plumbing of the following discharges to the sanitary sewer, subject to the local sanitary sewer agency's regulations and standards:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | · Discharges from indoor floor mat/equipment/hood filter wash racks or covered outdoor wash racks for restaurants;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|               | · Dumpster drips from covered trash, food waste, and compactor enclosures;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | · Discharges from covered outdoor wash areas for vehicles, equipment, and accessories;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|               | · Swimming pool water, if discharge to onsite vegetated areas is not a feasible option; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|               | · Fire sprinkler test water, if discharge to onsite vegetated areas is not a feasible option;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|               | (b) Properly designed covers, drains, and storage precautions for outdoor material storage areas, loading docks, repair/maintenance bays, and fueling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
|               | (c) Properly designed trash storage areas;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | (d) Landscaping that minimizes irrigation and runoff, promotes surface infiltration, minimizes the use of pesticides and fertilizers, and incorporates other appropriate sustainable landscaping practices and programs such as Bay-Friendly Landscaping;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (e) Efficient irrigation systems; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
|               | (f) Storm drain system stenciling or signage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|               | <b>(2) Site Design and Stormwater Treatment Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
|               | (a) Require each Regulated Project to implement at least the following design strategies onsite:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|               | (i) Limit disturbance of natural water bodies and drainage systems; minimize compaction of highly permeable soils; protect slopes and channels; and minimize impacts from stormwater and urban runoff on the biological integrity of natural drainage systems and water bodies;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|               | (ii) Conserve natural areas, including existing trees, other vegetation, and soils;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | (iii) Minimize impervious surfaces;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | (iv) Minimize disturbances to natural drainages; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|               | (v) Minimize stormwater runoff by implementing one or more of the following site design measures:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|               | · Direct roof runoff into cisterns or rain barrels for reuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|               | · Direct roof runoff onto vegetated areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | · Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |

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|               | · Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|               | · Construct sidewalks, walkways, and/or patios with pervious pavement systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|               | · Construct driveways, bike lanes, and/or uncovered parking lots with pervious pavement systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|               | (b) Permittees shall collectively, on a regional or countywide basis, develop and adopt design specifications for pervious pavement systems, subject to the Executive Officer's approval. If countywide design specifications have been adopted and are contained in countywide stormwater handbooks, Permittees may reference these documents in the Annual Reports.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (c) Require each Regulated Project to treat 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite or with LID treatment measures at a joint stormwater treatment facility.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|               | (i) LID treatment measures are harvesting and use, infiltration, evapotranspiration, and biotreatment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | (ii) Biotreatment (or bioretention) systems shall be designed to have a surface area no smaller than what is required to accommodate a 5 inches/hour stormwater runoff surface loading rate, infiltrate runoff through biotreatment soil media at a minimum of 5 inches per hour, and maximize infiltration to the native soil during the life of the Regulated Project. The soil media for biotreatment (or bioretention) systems shall be designed to sustain healthy, vigorous plant growth and maximize stormwater runoff retention and pollutant removal. Permittees shall ensure that Regulated Projects use biotreatment soil media that meet the minimum specifications set forth in Attachment L of the previous permit (Order No. R2-2009-0074), dated November 28, 2011. Permittees may collectively (on an all-Permittee scale or countywide scale) develop and adopt revisions to the soil media minimum specifications, subject to the Executive Officer's approval. | C                  |
|               | (iii) Green roofs may be considered biotreatment systems that treat roof runoff only if they meet certain minimum specifications. Permittees shall ensure that green roofs installed at Regulated Projects meet the following minimum specifications:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|               | (i) The green roof system planting media shall be sufficiently deep to provide capacity within the pore space of the media for the required runoff volume specified by Provision C.3.d.i.(1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|               | (ii) The green roof system planting media shall be sufficiently deep to support the long term health of the vegetation selected for the green roof, as specified by a landscape architect or other knowledgeable professional.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|               | (d) Require any Regulated Project that does not comply with Provision C.3.c.i.(2)(c) above to meet the requirements established in Provision C.3.e for alternative compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|               | <b>ii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|               | (1) Permittees shall collectively submit in the 2016 Annual Report, design specifications for pervious pavement systems that have been developed and adopted on a regional or countywide basis. If Permittees within a countywide program are using countywide design specifications that have been adopted and are contained in a countywide stormwater handbook, those Permittees may reference the countywide stormwater handbook in- lieu of submitting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|               | (2) For specific tasks listed above that are reported using the reporting tables required for Provision C.3.b.iv, a reference to those tables will suffice.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
| <b>C.3.d.</b> | <b>Numeric Sizing Criteria for Stormwater Treatment Systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|               | <b>i. Task Description</b> – The Permittees shall require that stormwater treatment systems constructed for Regulated Projects meet at least one of the following hydraulic sizing design criteria:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|               | (1) <b>Volume Hydraulic Design Basis</b> – Treatment systems whose primary mode of action depends on volume capacity shall be designed to treat stormwater runoff equal to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|               | (a)The maximized stormwater capture volume for the area, on the basis of historical rainfall records, determined using the formula and volume capture coefficients set forth in Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998), pages 175–178 (e.g., approximately the 85th percentile 24-hour storm runoff event); or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|               | (b)The volume of annual runoff required to achieve 80 percent or more capture, determined in accordance with the methodology set forth in Section 5 of CASQA's Stormwater Best Management Practice Handbook, New Development and Redevelopment (2003), using local rainfall data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | (2) <b>Flow Hydraulic Design Basis</b> – Treatment systems whose primary mode of action depends on flow capacity shall be sized to treat:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | (a) 10 percent of the 50-year peak flow rate;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|         | (b) The flow of runoff produced by a rain event equal to at least two times the 85th percentile hourly rainfall intensity for the applicable area, based on historical records of hourly rainfall depths; or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (c) The flow of runoff resulting from a rain event equal to at least 0.2 inches per hour intensity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | (3) <b>Combination Flow and Volume Design Basis</b> – Treatment systems that use a combination of flow and volume capacity shall be sized to treat at least 80 percent of the total runoff over the life of the project, using local rainfall data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | ii. <b>Reporting</b> – Permittees shall use the reporting tables required in Provision C.3.b.iv.(2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | iii. <b>Limitations on Use of Infiltration Devices in Stormwater Treatment Systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | (1) For Regulated Projects, each Permittee shall review planned land use and proposed treatment design to verify that installed stormwater treatment systems with no under-drain, and that function primarily as infiltration devices, should not cause or contribute to the degradation of groundwater quality at project sites. An infiltration device is any structure that is designed to infiltrate stormwater into the subsurface and, as designed, bypass the natural groundwater protection afforded by surface soil.                                                                                                                                                                                                                                                                   | C                  |
|         | Infiltration devices include dry wells, injection wells, and infiltration trenches (includes french drains).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (2) For any Regulated Project that includes plans to install stormwater treatment systems which function primarily as infiltration devices, the Permittee shall require that:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|         | (a) Appropriate pollution prevention and source control measures are implemented to protect groundwater at the project site, including the inclusion of a minimum of two feet of suitable soil to achieve a maximum 5 inches/hour infiltration rate for the infiltration system;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|         | (b) Adequate maintenance is provided to maximize pollutant removal capabilities;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|         | (c) The vertical distance from the base of any infiltration device to the seasonal high groundwater mark is at least 10 feet. (Note that some locations within the Permittees' jurisdictions are characterized by highly porous soils and/or high groundwater tables. In these areas, a greater vertical distance from the base of the infiltration device to the seasonal high groundwater mark may be appropriate, and treatment system approvals should be subject to a higher level of analysis that considers the potential for pollutants (such as from onsite chemical use), the level of pretreatment to be achieved, and other similar factors in the overall analysis of groundwater safety);                                                                                         | C                  |
|         | (d) Unless stormwater is first treated by a method other than infiltration, infiltration devices are not approved as treatment measures for runoff from areas of industrial or light industrial activity; areas subject to high vehicular traffic (i.e., 25,000 or greater average daily traffic on a main roadway or 15,000 or more average daily traffic on any intersecting roadway); automotive repair shops; car washes; fleet storage areas (e.g., bus, truck); nurseries; and other land uses that pose a high threat to water quality;                                                                                                                                                                                                                                                  | C                  |
|         | (e) Infiltration devices are not placed in the vicinity of known contamination sites unless it has been demonstrated that increased infiltration will not increase leaching of contaminants from soil, alter groundwater flow conditions affecting contaminant migration in groundwater, or adversely affect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (f) Infiltration devices are located a minimum of 100 feet horizontally away from any known water supply wells, septic systems, and underground storage tanks with hazardous materials. (Note that some locations within the Permittees' jurisdictions are characterized by highly porous soils and/or high groundwater tables. In these areas, a greater horizontal distance from the infiltration device to known water supply wells, septic systems, or underground storage tanks with hazardous materials may be appropriate, and treatment system approvals should be subject to a higher level of analysis that considers the potential for pollutants (such as from onsite chemical use), the level of pretreatment to be achieved, and other similar factors in the overall analysis of | C                  |
| C.3.e.  | <b>Alternative or In-Lieu Compliance with Provision C.3.b.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|         | i. The Permittees may allow a Regulated Project to provide alternative compliance with Provision C.3.b in accordance with one of the two options listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |

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|         | (1) <b>Option 1: LID Treatment at an Offsite Location</b> Treat a portion of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite or with LID treatment measures at a joint stormwater treatment facility and treat the remaining portion of the Provision C.3.d runoff with LID treatment measures at an offsite project in the same watershed. The offsite LID treatment measures must provide hydraulically-sized treatment (in accordance with Provision C.3.d) of an equivalent quantity of both stormwater runoff and pollutant loading and achieve a | C                  |
|         | (2) <b>Option 2: Payment of In-Lieu Fees</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|         | Treat a portion of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite or with LID treatment measures at a joint stormwater treatment facility and pay equivalent in-lieu fees to treat the remaining portion of the Provision C.3.d. runoff with LID treatment measures at a Regional Project. The Regional Project must achieve a net environmental benefit.                                                                                                                                                                                             | C                  |
|         | (3) For the alternative compliance options described in Provision C.3.e.i.(1) and (2) above, offsite and Regional Projects must be completed within three years after the end of construction of the Regulated Project. However, the timeline for completion of a Regional Project may be extended, up to five years after the completion of the Regulated Project, with prior Executive Officer approval. Executive Officer approval will be granted contingent upon a demonstration of good faith efforts to implement the Regional Project, such as having funds encumbered and applying for the appropriate regulatory             | C                  |
|         | <b>ii. Special Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|         | (1) When considered at the watershed scale, certain land development projects characterized as smart growth, high density, or transit-oriented development can either reduce existing impervious surfaces, or create less "accessory" impervious areas and automobile-related pollutant impacts.                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | Incentive LID Treatment Reduction Credits approved by the Water Board may be applied to these Special Projects, which are Regulated Projects that meet the specific criteria listed below in Provision C.3.e.ii.(2). For any Special Project, the allowable incentive LID Treatment Reduction Credit is the maximum percentage of the amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, that may be treated with one or a combination of the following two types of non-LID treatment systems:                                                                                                  | C                  |
|         | · Tree-box-type high flowrate biofilters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|         | · Vault-based high flowrate media filters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | The allowed LID Treatment Reduction Credit recognizes that density and space limitations for the Special Projects identified herein may make 100% LID treatment infeasible.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|         | (2) Prior to granting any LID Treatment Reduction Credits, Permittees must first establish all the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | (a) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures onsite;                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | (b)The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures offsite or paying in-lieu fees to treat 100% of the Provision C.3.d runoff with LID treatment measures at an offsite or Regional Project; and                                                                                                                                                                                                                                                                                                                        | C                  |
|         | (c)The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with some combination of LID treatment measures onsite, offsite, and/or paying in-lieu fees towards at an offsite or Regional Project.                                                                                                                                                                                                                                                                                                                                                           | C                  |
|         | For each Special Project, a Permittee shall document the basis of infeasibility used to establish technical and/or economic infeasibility. Under Provision C.3.e.vi, each Permittee is required to report on the infeasibility of 100% LID treatment in each scenario described in Provision C.3.e.ii.(2)(a)-(c) above, for each of the Special Projects for which LID Treatment Reduction Credit was applied.                                                                                                                                                                                                                         | C                  |
|         | (3) Category A Special Project Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|         | (a) To be considered a Category A Special Project, a Regulated Project must meet all of the following criteria:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | (i) Be built as part of a Permittee's stated objective to preserve or enhance a pedestrian-oriented type of urban design.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | (ii) Be located in a Permittee's designated central business district, downtown core area or downtown core zoning district, neighborhood business district or comparable pedestrian-oriented commercial district, or historic preservation site and/or district.                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | (iii) Create and/or replace one half acre or less of impervious surface area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |



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| (iv) Include no surface parking, except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, Americans with Disabilities Act (ADA) accessibility, and passenger and freight loading zones.                                                                                                                                                                               | C                  |
| (v) Have at least 85% coverage for the entire project site by permanent structures. The remaining 15% portion of the site is to be used for safety access, parking structure entrances, trash and recycling service, utility access, pedestrian connections, public uses, landscaping, and stormwater treatment.                                                                                                             | C                  |
| (b) Any Category A Special Project may qualify for 100% LID Treatment Reduction Credit, which would allow the Category A Special Project to treat up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.                                                   | C                  |
| (4) Category B Special Project Criteria                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| (a) To be considered a Category B Special Project, a Regulated Project must meet all of the following criteria:                                                                                                                                                                                                                                                                                                              | C                  |
| (i) Be built as part of a Permittee's stated objective to preserve or enhance a pedestrian-oriented type of urban design.                                                                                                                                                                                                                                                                                                    | C                  |
| (ii) Be located in a Permittee's designated central business district, downtown core area or downtown core zoning district, neighborhood business district or comparable pedestrian- oriented commercial district, or historic preservation site and/or district.                                                                                                                                                            | C                  |
| (iii) Create and/or replace greater than one-half acre but no more than 2 acres of impervious surface area.                                                                                                                                                                                                                                                                                                                  | C                  |
| (iv) Include no surface parking, except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, ADA accessibility, and passenger and freight loading zones.                                                                                                                                                                                                                 | C                  |
| (v) Have at least 85% coverage for the entire project site by permanent structures. The remaining 15% portion of the site is to be used for safety access, parking structure entrances, trash and recycling service, utility access, pedestrian connections, public uses, landscaping, and stormwater                                                                                                                        | C                  |
| (b) For any Category B Special Project, the maximum LID Treatment Reduction Credit allowed is determined based on the density achieved by the Project in accordance with the criteria listed below. Density is expressed in Floor Area Ratios (FARs) for commercial development projects, in Dwelling Units per Acre (DU/Ac) for residential development projects, and in FARs and DU/Ac for mixed-use development projects. | C                  |
| (i) 50% Maximum LID Treatment Reduction Credit                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| • For any commercial Category B Special Project with an FAR of at least 2:1, up to 50% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1)                                                                                                                 | C                  |
| • For any residential Category B Special Project with a gross density of at least 50 DU/Ac, up to 50% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision                                                                                                               | C                  |
| • For any mixed use Category B Special Project with an FAR of at least 2:1 or a gross density of at least 50 DU/Ac, up to 50% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.                                                                   | C                  |
| (ii) 75% Maximum LID Treatment Reduction Credit                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| • For any commercial Category B Special Project with an FAR of at least 3:1, up to 75% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1)                                                                                                                 | C                  |
| • For any residential Category B Special Project with a gross density of at least 75 DU/Ac, up to 75% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision                                                                                                               | C                  |
| • For any mixed use Category B Special Project with an FAR of at least 3:1 or a gross density of at least 75 DU/Ac, up to 75% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.                                                                   | C                  |
| (iii) 100% Maximum LID Treatment Reduction Credit                                                                                                                                                                                                                                                                                                                                                                            | C                  |
| • For any commercial Category B Special Project with an FAR of at least 4:1, up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1)                                                                                                                | C                  |

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| <ul style="list-style-type: none"> <li>For any mixed use Category B Special Project with an FAR of at least 4:1 or a gross density of at least 100 DU/Ac, up to 100% of the amount of runoff identified in Provision C.3.d. for the Project's drainage area may be treated with either one or a combination of the two types of non-LID treatment systems listed in Provision C.3.e.ii.(1) above.</li> </ul>                                                                           | C                  |
| (5) Category C Special Project Criteria (Transit-Oriented Development)                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
| (a) Transit-Oriented Development refers to the clustering of homes, jobs, shops and services in close proximity to rail stations, ferry terminals or bus stops offering access to frequent, high-quality transit services. This pattern typically involves compact development and a mixing of different land uses, along with amenities like pedestrian-friendly streets. To be considered a Category C Special Project, a Regulated Project must meet all of the following criteria: | C                  |
| (i) Be characterized as a non-auto-related land use project. That is, Category C specifically excludes any Regulated Project that is a stand-alone surface parking lot; car dealership; auto and truck rental facility with onsite surface storage; fast-food restaurant, bank or pharmacy with drive-through lanes; gas station, car wash, auto repair and service facility; or other auto-related project unrelated to the concept of Transit-Oriented Development.                  | C                  |
| (ii) If a commercial development project, achieve at least an FAR of 2:1.                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| (iii) If a residential development project, achieve at least a gross density of 25 DU/Ac.                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| (iv) If a mixed use development project, achieve at least an FAR of 2:1 or a gross density of 25 DU/Ac.                                                                                                                                                                                                                                                                                                                                                                                | C                  |
| (b) For any Category C Special Project, the total maximum LID Treatment Reduction Credit allowed is the sum of three different types of credits that the Category C Special Project may qualify for, namely: Location, Density and Minimized Surface Parking Credits.                                                                                                                                                                                                                  | C                  |
| (c) Location Credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
| (i) A Category C Special Project may qualify for the following Location Credits:                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
| a. 50% Location Credit: Located within a ¼ mile radius of an existing or planned transit hub.                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| b. 25% Location Credit: Located within a ½ mile radius of an existing or planned transit hub.                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| c. 25% Location Credit: Located within a planned Priority Development Area (PDA), which is an infill development area formally designated by the Association of Bay Area Government's / Metropolitan Transportation Commission's FOCUS regional planning program. FOCUS is a regional incentive-based development and conservation strategy for the San Francisco Bay Area.                                                                                                            | C                  |
| (ii) Only one Location Credit may be used by an individual Category C Special Project, even if the project qualifies for multiple Location Credits.                                                                                                                                                                                                                                                                                                                                    | C                  |
| (iii) At least 50% or more of a Category C Special Project's site must be located within the ¼ or ½ mile radius of an existing or planned transit hub to qualify for the corresponding Location Credits listed above. One hundred percent of a Category C Special Project's site must be located within a PDA to qualify for the corresponding Location Credit listed above.                                                                                                           | C                  |
| (iv) Transit hub is defined as a rail, light rail, or commuter rail station, ferry terminal, or bus transfer station served by three or more bus routes (i.e., a bus stop with no supporting services does not qualify). A planned transit hub is a station on the MTC's Regional Transit Expansion Program list, per MTC's Resolution 3434 (revised April 2006), which is a regional priority funding plan for future transit stations in the San Francisco Bay Area.                 | C                  |
| (d) Density Credits: To qualify for any Density Credits, a Category C Special Project must first qualify for one of the Location Credits listed in Provision C.3.e.ii.(5)(c) above.                                                                                                                                                                                                                                                                                                    | C                  |
| (i) A Category C Special Project that is a commercial or mixed-use development project may qualify for the following Density Credits:                                                                                                                                                                                                                                                                                                                                                  | C                  |
| a. 10% Density Credit: Achieve an FAR of at least 2:1.                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| b. 20% Density Credit: Achieve an FAR of at least 4:1.                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| c. 30% Density Credit: Achieve an FAR of at least 6:1.                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| (ii) A Category C Special Project that is a residential or mixed-use development project may qualify for the following Density Credits:                                                                                                                                                                                                                                                                                                                                                | C                  |
| a. 10% Density Credit: Achieve a gross density of at least 30 DU/Ac.                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| b. 20% Density Credit: Achieve a gross density of at least 60 DU/Ac.                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
| c. 30% Density Credit: Achieve a gross density of at least 100 DU/Ac.                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |

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|         | (iii) Commercial Category C Projects do not qualify for Density Credits based on DU/Ac and residential Category C Projects do not qualify for Density Credits based on FAR. Mixed use Category C Projects may use Density Credits based on either DU/Ac or FAR, but not both.                                                                                                                                                                                                                                                                                                                                        | C                  |
|         | (iv) Only one Density Credit may be used by an individual Category C Special Project, even if the project qualifies for multiple Density Credits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (e) Minimized Surface Parking Credits: To qualify for any Minimized Surface Parking Credits, a Category C Special Project must first qualify for one of the Location Credits listed in Provision C.3.e.ii.(5)(c) above.                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | (i) A Category C Special Project may qualify for the following Minimized Surface Parking Credits:<br>a. 10% Minimized Surface Parking Credit: Have 10% or less of the total post-project impervious surface area dedicated to at-grade surface parking. The at-grade surface parking must be treated with LID treatment measures.<br>b. 20% Minimized Surface Parking Credit: Have no surface parking except for incidental surface parking. Incidental surface parking is allowed only for emergency vehicle access, ADA accessibility, and passenger and freight loading zones.                                    | C                  |
|         | (ii) Only one Minimized Surface Parking Credit may be used by an individual Category C Special Project, even if the project qualifies for multiple Minimized Surface Parking Credits.                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|         | (6) Any Regulated Project that meets all the criteria for multiple Special Projects Categories (i.e., a Regulated Project that may be characterized as a Category B or C Special Project) may only use the LID Treatment Reduction Credit allowed under one of the Special Projects Categories (i.e., a Regulated Project that may be characterized as a Category B or C Special Project may use the LID Treatment Reduction Credit allowed under Category B or Category                                                                                                                                             | C                  |
|         | <b>iii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | (1) Provisions C.3.e.i-ii supersede any Alternative Compliance Policies previously approved by the Executive Officer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|         | (2) The definitions of FAR and gross density applicable to Provisions C.3.e.ii.(4) and (5) are effective July 1, 2016, and shall apply to all Special Projects granted final discretionary approval on or after July 1, 2016.                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|         | (3) For all offsite projects and Regional Projects installed in accordance with Provision C.3.e.i-ii, the Permittees shall meet the Operation & Maintenance (O&M) requirements of Provision C.3.h.                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|         | <b>iv. Reporting</b> – Annual reporting shall be done in conjunction with reporting requirements under Provision C.3.b.iv.(2).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | Any Permittee choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e, shall include a statement to that effect in each Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|         | <b>v. Reporting on Special Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | (1) Permittees shall track any identified potential Special Projects, including those projects that have submitted planning applications but that have not received final discretionary approval.                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (2) In each Annual Report, Permittees shall report to the Water Board on these tracked potential Special Projects using Table 3.1 found at the end of Provision C.3. All the required column entry information listed in Table 3.1 shall be reported for each potential Special Project. Any Permittee with no Special Projects shall so state.<br>For each Special Project listed in Table 3.1, Permittees shall include a narrative discussion of the feasibility or infeasibility of 100% LID treatment onsite, offsite, and at a Regional Project. The narrative discussion shall address each of the following: | C                  |
|         | (a) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|         | (b) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with LID treatment measures offsite or paying in-lieu fees to treat 100% of the Provision C.3.d runoff with LID treatment measures at a Regional Project.                                                                                                                                                                                                                                                                                                                     | C                  |
|         | (c) The infeasibility of treating 100% of the amount of runoff identified in Provision C.3.d for the Regulated Project's drainage area with some combination of LID treatment measures onsite, offsite, and/or paying in-lieu fees towards a Regional Project.<br>Both technical and economic feasibility or infeasibility shall be discussed, as applicable. The discussion shall also contain enough technical and/or economic detail to document the basis of infeasibility used.                                                                                                                                 | C                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|               | (3) Once a Special Project has final discretionary approval, it shall be reported in the Provision C.3.b. Reporting Table in the same reporting year that the project was approved. In addition to the column entries contained in the Provision C.3.b. Reporting Table in the same reporting year that the project was approved. In addition to the column entries contained in the Provision C.3.b. Reporting Table, the Permittees shall provide the following supplemental information for each approved Special Project:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | (a) Submittal Date: Date that a planning application for the Special Project was submitted.<br>(b) Description: Type of project, number of floors, number of units (commercial, mixed-use, residential), type of parking, and other relevant information.<br>(c) Site Acreage: Total site area in acres.<br>(d) Gross Density in DU/Ac: Number of dwelling units per acre.<br>(e) Density in FAR: Floor Area Ratio.<br>(f) Special Project Category: For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.<br>(g) LID Treatment Reduction Credit: For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit applied. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits applied.<br>(h) Stormwater Treatment Systems: List all proposed stormwater treatment systems and the corresponding percentage of the total amount of runoff runoff identified in Provision C.3.d. for the Project's drainage area that will be treated by each treatment system.<br>(i) List of Non-LID Stormwater Treatment Systems: List all non-LID stormwater treatment systems approved. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification. | C                  |
| <b>C.3.f.</b> | <b>Alternative Certification of Stormwater Treatment Systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|               | <b>i. Task Description</b> – In lieu of reviewing a Regulated Project's adherence to Provision C.3.d, a Permittee may elect to have a third party conduct detailed review and certify the Regulated Project's adherence to Provision C.3.d. The third party reviewer must be a Civil Engineer or a Licensed Architect or Landscape Architect registered in the State of California or staff of another Permittee subject to the requirements of this Permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|               | <b>ii. Implementation Level</b> – Any Permittee accepting third-party reviews must make a reasonable effort to ensure that the third party has no conflict of interest with regard to the Regulated Project in question. That is, any consultant or contractor (or his/her employees) hired to design and/or construct a stormwater treatment system for a Regulated Project shall not also be the certifying third party. The Permittee must verify that the third party certifying any Regulated Project has current training on stormwater treatment system design (within three years of the certification signature date) for water quality and understands the groundwater protection principles applicable to Regulated Project sites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|               | Training conducted by an organization with stormwater treatment system design expertise (such as a college or university, the American Society of Civil Engineers, American Society of Landscape Architects, American Public Works Association, California Water Environment Association (CWEA), BASMAA, National Association of Flood & Stormwater Management Agencies, CASQA, or the equivalent, may be considered qualifying training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|               | <b>iii. Reporting</b> – Projects reviewed by third parties shall be noted in reporting tables for Provision C.3.b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
| <b>C.3.g.</b> | <b>Hydromodification Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|               | <b>i. Hydromodification Management (HM) Projects</b> are Regulated Projects that create and/or replace one acre or more of impervious surface except where one of the following applies. All HM Projects shall meet the Hydromodification Management Standard of Provision C.3.g.ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|               | (1) The post-project impervious surface area is less than, or the same as, the pre-project impervious surface area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |

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|         | <p>(2) The project is located in a catchment that drains to a hardened (e.g., continuously lined with concrete) engineered channel or channels or enclosed pipes that extend continuously to the Bay, Delta, or flow- controlled reservoir, or drains to channels that are tidally influenced.</p> <p>(3) The project is located in a catchment or subwatershed that is highly developed (i.e., that is 70% or more impervious).<sup>8</sup></p> <p>The Hydromodification Applicability Maps developed by the Permittees in the Alameda, Santa Clara, San Mateo, and Fairfield-Suisun Programs, and the City of Vallejo, under the Previous Permit remain in effect and are provided in Attachment C to this Permit. Permittees that do not have the location-based applicability criteria (Provision C.3.g.i.(2) – (3)) shown on existing maps shall develop, or require to be developed, new maps, overlays to existing maps, or other equivalent information that demonstrates whether a project falls under one of those two criteria. Such maps, overlays, or other equivalent information shall be acceptable to the Executive Officer and shall not be effective until accepted by the Executive Officer.</p>                                                     | C                  |
|         | <b>ii. HM Standard</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|         | Stormwater discharges from HM Projects shall not cause an increase in the erosion potential of the receiving stream over the pre-project (existing) condition. Increases in runoff flow and volume shall be managed so that post-project runoff shall not exceed estimated pre-project rates and durations, where such increased flow and/or volume is likely to cause increased potential for erosion of creek beds and banks, silt pollutant generation, or other adverse impacts on beneficial uses due to increased erosive force. The demonstration that post-project stormwater runoff does not exceed estimated pre-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | <p><b>(1) Range of Flows to Control:</b> For Alameda, Contra Costa, San Mateo, and Santa Clara Permittees, and the City of Vallejo, HM controls shall be designed such that post-project stormwater discharge rates and durations match pre-project discharge rates and durations from 10 percent of the pre-project 2-year peak flow<sup>9</sup> up to the pre-project 10-year peak flow. For Fairfield-Suisun Permittees, HM controls shall be designed such that post- project stormwater discharge rates and durations shall match from 20 percent of the 2-year peak flow up to the pre-project 10-year peak flow.</p> <p><b>(2) Goodness of Fit Criteria:</b> The post-project flow duration curve shall not deviate above the pre-project flow duration curve by more than 10 percent over more than 10 percent of the length of the curve corresponding to the range of flows to control.</p>                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | <b>(3) Standard HM Modeling:</b> Permittees shall use, or shall cause to be used, a continuous simulation hydrologic computer model to simulate pre-project and post-project runoff, or sizing factors or charts developed using such a model, to design onsite or regional HM controls. The Permittees shall compare, or shall cause to be compared, the pre-project and post-project model output for a long-term rainfall record and shall show that applicable performance criteria in C.3.g.ii.(1)-(3) above are met. HM controls designed using the Bay Area Hydrology Model (BAHM) and site-specific input data shall be considered to meet the HM Standard. Such use must be consistent with directions and options set forth in the most current BAHM User Manual. Modifications to the BAHM shall be acceptable to the Executive Officer, shall be consistent with the requirements of this Provision, and shall be reported as required below:                                                                                                                                                                                                                                                                                                                | C                  |
|         | <ul style="list-style-type: none"> <li>• <b>Precipitation Data:</b> Precipitation data used in the modeling of HM controls shall, at a minimum, be 30 years of hourly rainfall data representative of the area being modeled. Where a longer rainfall record is available, the longer record shall be used.</li> <li>• <b>Calculating Post-Project Runoff:</b> Retention and detention basins shall be considered impervious surfaces for purposes of calculating post-project runoff. Pre- and post-project runoff shall be calculated and compared for the entire site, without separating or excluding areas that may be considered self-retaining.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|         | <p><b>iii. HM Standard – Methodology for Direct Simulation of Erosion Potential</b> The Permittees may, collectively, propose an additional method, using direct simulation of erosion potential, by which to meet the HM Standard in Provision C.3.g.ii. Such a method shall be submitted to the Water Board for review and shall not be effective until approved by the Executive Officer. At a minimum, a proposal to use this additional method shall demonstrate that stormwater discharges from HM Projects using the method will not cause an increase in the erosion potential of the receiving stream over the pre-project (existing) condition, and that increases in runoff flow and volume will be managed so that post-project runoff does not exceed estimated pre-project rates and durations, where such increased flow and/or volume is likely to cause increased potential for erosion of creek beds and banks, silt pollutant generation, or other adverse impacts on beneficial uses due to increased erosive force. Such demonstration shall include, but not be limited to:</p> <p>(1) An appropriately detailed discussion of the theoretical approach behind the method and the results for the areas to which it is proposed to be applied;</p> | C                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | (2) Appropriate continuous simulation hydrologic modeling using Region- specific field data, including creek data (cross sections, longitudinal data, etc.), precipitation data (a record of at least 30 years of hourly data that is appropriately representative of the areas where the method is to be applied), safety factor(s), and HM control designs; and                                                                                                                                                                                                                                                                                                                             | C                  |
|         | (3) A description of how the method will be applied, including any models produced and how they will be used by the Permittees and/or project proponents. Such description shall include a listing of HM controls that may be used to comply with the HM requirements of this Permit, a description, with appropriate technical support, of how they will be sized to comply and how the Permittees will ensure appropriate implementation of the method, and all other necessary information, as appropriate.                                                                                                                                                                                | C                  |
|         | <b>iv. Types of HM Controls</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | Projects shall meet the HM Standard using any of the following HM controls or a combination thereof:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | (1) <b>Onsite HM controls</b> are flow duration control structures, LID features and facilities, and hydrologic source controls that collectively result in the HM Standard being met at the point(s) where stormwater runoff discharges from the project site.                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|         | (2) <b>Regional HM controls</b> are flow duration control structures that collect stormwater runoff discharge from multiple projects (each of which shall incorporate hydrologic source control measures as well) and are designed such that the HM Standard is met for all the projects at the point where the regional HM control discharges.                                                                                                                                                                                                                                                                                                                                               | C                  |
|         | (3) <b>In-stream measures</b> shall be an option only where the stream, which receives runoff from the project, is already impacted by erosive flows and shows evidence of excessive sediment, erosion, deposition, or is a hardened channel.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|         | In-stream measures involve modifying the receiving stream channel slope and geometry so that the stream can convey the new flow regime without increasing the potential for erosion and aggradation. In-stream measures are intended to improve long-term channel stability and prevent erosion by reducing the erosive forces imposed on the channel boundary.                                                                                                                                                                                                                                                                                                                               | C                  |
|         | In-stream measures, or a combination of in-stream and onsite controls, shall be designed to achieve the HM Standard from the point where the project(s) discharge(s) to the stream to the mouth of the stream or to achieve an equivalent degree of flow control mitigation (based on amount of impervious surface mitigated) as part of an in-stream project located in the same watershed. Designing in-stream controls requires a hydrologic and geomorphic evaluation (including a longitudinal profile) of the stream system downstream and upstream of the project. As with all in-stream activities, other regulatory permits must be obtained by the project proponent. <sup>10</sup> | C                  |
|         | <b>v. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | All HM Projects shall meet the HM Standard in Provision C.3.g.ii immediately. For Contra Costa Permittees, Projects receiving final planning entitlements on or before January 3, 2018, may be allowed to use the Contra Costa design standards from the Previous Permit. After January 3, 2018, for Contra Costa Permittees, Projects shall comply with the Contra Costa design standards, including any modifications made.                                                                                                                                                                                                                                                                 | C                  |
|         | <b>vi. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (1) New HM Applicability Maps or equivalent information prepared pursuant to Provision C.3.g.i, for those Permittees who do not have an approved Map, shall be submitted, acceptable to the Executive Officer, not later than the second Annual Report following the Permit's effective date.                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |

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|         | (2) Contra Costa Permittees shall, with the 2017 Annual Report, submit a technical report, acceptable to the Executive Officer, consisting of an HM Management Plan describing how Contra Costa will implement the Permit's HM requirements (e.g., how it will update or modify its practices to meet Permit requirements). At a minimum, the technical report shall provide additional analysis and discussion as to how existing data appropriately evaluates how existing practices available for use meet the Permit's HM requirements, including limit conditions. The report shall, as necessary, propose modifications to Contra Costa's current HM practices, or propose alternate practices that have been accepted by the Water Board, to meet the Permit's HM requirements. The report may also: provide additional data on monitored installations; provide additional analysis and discussion as to how existing and additional data appropriately evaluates existing practices, including limit conditions and the range of conditions present across Contra Costa County; and provide other information or discussion, as appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
|         | (3) Reporting of HM projects shall be as described in Provision C.3.b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|         | (4) Permittees shall report collectively, with each Annual Report, a listing, summary, and date of modifications made to the BAHM, including the technical rationale. This shall be prepared at the countywide program level and submitted on behalf of participating Permittees.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|         | (5) In addition, for each HM Project approved during the reporting period, Permittees shall collect and make available the following information. Information shall be reported electronically, and, where appropriate, in tabular form.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|         | <ul style="list-style-type: none"> <li>• Device(s) or method(s) used to meet the HM Standard, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control(s);</li> <li>• Method used by the project proponent to design and size the device or method used to meet the HM Standard;</li> <li>• Site plans identifying impervious areas, surface flow directions for the entire site, and location(s) of HM measures;</li> <li>• For projects using standard sizing charts, a summary of sizing calculations used;</li> <li>• For projects using the BAHM, a listing of model inputs; and</li> <li>• For projects using custom modeling, a summary of the modeling calculations with a corresponding graph showing curve matching (existing, post-project, and post-project-with HM controls curves).</li> </ul> <p><b>C.3.h. Operation and Maintenance of Stormwater Treatment Systems</b></p> <p><b>i. Task Description</b> – Each Permittee shall implement an Operation and Maintenance (O&amp;M) Verification Program.</p> <p><b>ii. Implementation Level</b> – At a minimum, the O&amp;M Verification Program shall include the following elements:</p> <p>(1) Conditions of approval or other legally enforceable agreements or mechanisms for all Regulated Projects that, at a minimum, require at least one of the following from all project proponents and their successors in control of the Project or successors in fee title:</p> <p>(a) The project proponent's signed statement accepting responsibility for the O&amp;M of the installed pervious pavement system(s) (if any), onsite, joint, and/or offsite stormwater treatment system(s), and HM control(s) (if any) until such responsibility is legally transferred to another entity;</p> | C                  |
|         | (b) Written conditions in the sales or lease agreements or deed for the project that requires the buyer or lessee to assume responsibility for the O&M of the pervious pavement system(s) (if any), onsite, joint, and/or offsite installed stormwater treatment system(s), and HM control(s) (if any) until such responsibility is legally transferred to another entity;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | (c) Written text in project deeds, or conditions, covenants and restrictions (CCRs) for multi-unit residential projects that require the homeowners association or, if there is no association, each individual owner to assume responsibility for the O&M of the installed pervious pavement system(s) (if any), onsite, joint, and/or offsite stormwater treatment system(s), and HM control(s) (if any) until such responsibility is legally transferred to another entity; or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |

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| (d) Any other legally enforceable agreement or mechanism, such as recordation in the property deed, that assigns the O&M responsibility for the installed pervious pavement system(s) (if any), onsite, joint, and/or offsite treatment system(s) and HM control(s) (if any) to the project owner(s) or the Permittee.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                         |
| (2) Coordination with the appropriate mosquito and vector control agency with jurisdiction to establish a protocol for notification of installed stormwater treatment systems and HM controls.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                         |
| (3) Conditions of approval or other legally enforceable agreements or mechanisms for all Regulated Projects that require the granting of site access to all representatives of the Permittee, local mosquito and vector control agency staff, and Water Board staff, for the sole purpose of performing O&M inspections of the installed pervious pavement system(s) (if any), stormwater treatment system(s) and HM control(s) (if any).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                         |
| (4) A database or equivalent tabular format of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                         |
| (a) All pervious pavement system(s) that total 3000 square feet or more installed at Regulated Projects, offsite, or at a Regional Project. The total square footage should not include pervious pavement systems installed as private-use patios for single family homes, townhomes, or condominiums.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                         |
| (b) All stormwater treatment systems installed onsite at Regulated Projects, offsite, or at a joint or Regional Project.<br>all HM controls installed onsite at Regulated Projects, offsite, or at a joint or Regional Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                         |
| (5) The database or equivalent tabular format required in Provision C.3.h.ii.(4) shall include the following information for each Regulated Project, offsite project, and Regional Project:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                           |
| (a) Name and address of the project;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                         |
| (b) Names of the owner(s) and responsible operator(s) of the installed pervious pavement system(s) (if any), stormwater treatment system(s), and/or HM control(s);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                         |
| (c) Specific description of the location (or a map showing the location) of the installed pervious pavement system(s) (if any), stormwater treatment system(s), and HM control(s) (if any);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                         |
| (d) Date(s) that the pervious pavement system(s) (if any), stormwater treatment system(s), and HM controls (if any) was/were installed;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                         |
| (e) Description of the type and size of the pervious pavement systems (if any), stormwater treatment system(s), and HM control(s) (if any) installed;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                         |
| (f) Detailed information on O&M inspections. For each inspection, include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                         |
| (i) Date of inspection.<br>(ii) Type of inspection (e.g., installation, annual, followup, spot).<br>(iii) Type(s) of pervious pavement systems inspected (e.g., pervious concrete, pervious asphalt, pervious pavers).<br>(iv) Type(s) of stormwater treatment systems inspected (e.g., swale, bioretention unit, tree well) and an indication of whether the treatment system is an onsite, joint, or offsite system.<br>(v) Type of HM controls inspected.<br>(vi) Inspection findings or results (e.g., proper installation, proper operation and maintenance, system not operating properly because of plugging, bypass of stormwater because of improper installation or maintenance, maintenance required immediately).<br>(vii) Enforcement action(s) taken, if any (e.g., verbal warning, notice of violation, compliance schedule, administrative citation, administrative order).<br>(6) A prioritized O&M Inspection Plan for inspecting all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems and HM controls installed at Regulated Projects, offsite locations, and/or at joint or Regional Projects. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient. At a minimum, the O&M Inspection Plan must specify the following for each fiscal year: | C                         |



LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | (a) Inspection by the Permittee of all newly installed pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls (at Regulated Projects, offsite locations, and/or at joint or Regional Projects) at the completion of installation to ensure approved plans have been followed. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient;                                                                                                                           | C                  |
|         | (b) Inspection by the Permittee of an average of 20 percent, but no less than 15 percent, of the total number (at the end of the preceding fiscal year) of Regulated Projects, offsite projects, or Regional Projects. Each inspection shall include inspection of all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls installed at the Regulated Project, offsite project, or Regional Project. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient; | C                  |
|         | (c) Inspection by the Permittee of all Regulated Projects, offsite projects, or Regional Projects at least once every five years. Each inspection shall include inspection of all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls installed at the Regulated Project, offsite project, or Regional Project. For residential subdivisions with pervious pavement systems that include individual driveways, inspection of a representative number of driveways is sufficient; and                                                                                  | C                  |
|         | (d) For vault-based stormwater treatment systems, Permittees may accept 3rd party inspection reports in lieu of conducting Permittee O&M inspections only if the 3rd party inspections are conducted at least annually. Information from each 3rd party inspection shall be included in the database or tabular format required in Provision C.3.h.ii.(5) and each inspection shall be clearly identified as a 3rd party inspection.                                                                                                                                                                                                                                                                               | C                  |
|         | Each 3rd party inspection report must clearly document the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | (i) Name of 3rd party inspection company.<br>(ii) Date of inspection.<br>(iii) Condition of the treatment unit(s) at the time of inspection.<br>(iv) Description of maintenance activities performed during the inspection.<br>(v) Date- and time-stamped photographs of the inside of the vault unit(s) before and after maintenance activities.<br>(7) An Enforcement Response Plan (ERP) for all O&M inspections that serves as a reference document for inspection staff so that consistent enforcement actions can be taken to bring development projects into compliance. At a minimum, the ERP must contain the following:                                                                                  | C                  |
|         | (a) Enforcement Procedures – A description of the Permittee’s procedures from the discovery of problems through the confirmation of implementation of corrective actions. This shall include guidance for recognizing common problems with the different types of pervious pavement systems, stormwater treatment systems, and/or HM controls, remedies for the problems, and appropriate enforcement actions, followup inspections, and appropriate time periods for implementation of corrective actions, and the roles and responsibilities of staff responsible for implementing the ERP.                                                                                                                      | C                  |
|         | (b) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools appropriate for different field scenarios of problems identified with the pervious pavement systems, stormwater treatment systems, and/or HM controls as well as for different types of inadequate response to enforcement actions taken.                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (c) Timely Correction of Identified Problems – A description of the Permittee’s procedures for assigning due dates for corrective actions. Permittees shall require timely correction of all identified problems with the pervious pavement systems, stormwater treatment systems, and/or HM controls.                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | Corrective actions shall be implemented no longer than 30 days after a problem is identified by an inspector. Corrective actions can be temporary and more time may be allowed for permanent corrective actions. If more than 30 days are required for compliance, a rationale shall be recorded in the electronic database or equivalent tabular system.                                                                                                                                                                                                                                                                                                                                                          | C                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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| <b>iii. Due Date for Implementation:</b> Immediate, except as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
| (1) July 1, 2016, for Provision C.3.h.ii.(6) and all requirements pertaining to pervious pavement systems in Provisions C.3.h.ii.(1)-(5), C.3.h.iv., and C.3.h.v.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| (2) July 1, 2017, for Provision C.3.h.ii.(7).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
| <b>iv. Maintenance Approvals:</b> The Permittees shall ensure that all pervious pavement systems that total 3,000 square feet or more (excluding private-use patios for single family homes, townhomes, or condominiums), stormwater treatment systems, and HM controls installed onsite, offsite, or at a joint or Regional Project by development proponents are properly operated and maintained for the life of the projects. In cases where the responsible party for a pervious pavement system, stormwater treatment system or HM control has worked diligently and in good faith with the appropriate State and federal agencies to obtain approvals necessary to complete maintenance activities, but these approvals are not granted, the Permittees shall be deemed to be in compliance with this Provision. Permittees shall ensure that constructed wetlands installed by Regulated Projects and used for urban runoff treatment shall abide by the Water Board's Resolution No. 94-102: Policy on the Use of Constructed Wetlands for Urban Runoff Pollution Control and the O&M requirements contained therein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
| <b>v. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| (1) The database or equivalent tabular format required in Provisions C.3.b.ii.(4) and (5) shall be maintained by the Permittees. Upon request from the Executive Officer, information from this database or equivalent tabular format shall be submitted to Water Board staff for review. The requested information may include specific details on each inspection conducted within particular timeframes, such as several fiscal years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| (2) On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting period) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. This list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
| (3) Each Permittee shall report the following information in the Annual Report each year:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
| (a) Total number of Regulated Projects in the Permittee's database or tabular format as of the end of the reporting period (fiscal year).<br>(b) Total number of Regulated Projects, offsite projects, and Regional Projects inspected during the reporting period (fiscal year).<br>(c) Percentage of the total number of Regulated Projects that were inspected during the reporting period (fiscal year).<br>(d) A discussion of the inspection findings for the year and any common problems encountered with various types of pervious pavement systems, treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.<br>(e) A discussion of the effectiveness of the Permittee's O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness of program).<br>(f) For the 2016 Annual Report, Permittees may report on the total number and percentage of treatment and HM controls inspected, and exclude discussion of inspection findings for pervious pavement systems.<br>(4) Each Permittee shall certify in the 2017 Annual Report that an Enforcement Response Plan has been completed by July 1, 2017.<br><b>C.3.i. Required Site Design Measures for Small Projects and Detached Single-Family Home Projects</b><br><b>i. Task Description</b> – The Permittees shall require all development projects, which create and/or replace > 2,500 ft <sup>2</sup> to < 10,000 ft <sup>2</sup> of impervious surface, and detached single-family home projects,11 which create and/or replace 2,500 square feet or more of impervious surface, to install one or more of the following site design measures: | C                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | <ul style="list-style-type: none"> <li>• Direct roof runoff into cisterns or rain barrels for reuse.</li> <li>• Direct roof runoff onto vegetated areas.</li> <li>• Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas.</li> <li>• Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.</li> <li>• Construct sidewalks, walkways, and/or patios with permeable surfaces.<sup>2</sup></li> <li>• Construct bike lanes, driveways, and/or uncovered parking lots with permeable surfaces.<sup>2</sup></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | This provision applies to all development projects that require approvals and/or permits issued under the Permittees' planning, building, or other comparable authority.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | <b>ii. Reporting</b> – On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | <b>C.3.j. Green Infrastructure Planning and Implementation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | The Permittees shall complete and implement a Green Infrastructure Plan for the inclusion of low impact development drainage design into storm drain infrastructure on public and private lands, including streets, roads, storm drains, parking lots, building roofs, and other storm drain infrastructure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|         | The Plan is intended to serve as an implementation guide and reporting tool during this and subsequent Permit terms to provide reasonable assurance that urban runoff TMDL wasteload allocations (e.g., for the San Francisco Bay mercury and PCBs TMDLs) will be met, and to set goals for reducing, over the long term, the adverse water quality impacts of urbanization and urban runoff on receiving waters. For this Permit term, the Plan is being required, in part, as an alternative to expanding the definition of Regulated Projects prescribed in Provision C.3.b to include all new and redevelopment projects that create or replace 5,000 square feet or more of impervious surface areas and road projects that just replace existing impervious surface area. It also provides a mechanism to establish and implement alternative or in-lieu compliance options for Regulated Projects and to account for and justify Special Projects in | C                  |
|         | Over the long term, the Plan is intended to describe how the Permittees will shift their impervious surfaces and storm drain infrastructure from gray, or traditional storm drain infrastructure where runoff flows directly into the storm drain and then the receiving water, to green—that is, to a more-resilient, sustainable system that slows runoff by dispersing it to vegetated areas, harvests and uses runoff, promotes infiltration and evapotranspiration, and uses bioretention and other green infrastructure practices to clean stormwater runoff.                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
|         | The Plan shall also identify means and methods to prioritize particular areas and projects within each Permittee's jurisdiction, at appropriate geographic and time scales, for implementation of green infrastructure projects. Further, it shall include means and methods to track the area within each Permittee's jurisdiction that is treated by green infrastructure controls and the amount of directly connected impervious area. As appropriate, it shall incorporate plans required elsewhere within this Permit, and specifically plans required for the monitoring of and to ensure appropriate reductions in trash, PCBs,                                                                                                                                                                                                                                                                                                                     | C                  |
|         | The Permittees may comply with any requirement of this Provision through a collaborative effort.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |
|         | <b>i. Green Infrastructure Program Plan Development</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | Each Permittee shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
|         | (1) Prepare a framework or workplan that describes specific tasks and timeframes for development of its Green Infrastructure Plan. This framework or workplan shall be approved by the Permittee's governing body, mayor, city manager, or county manager by June 30, 2017. At a minimum, the framework or workplan shall include a statement of purpose, tasks, and timeframes to complete the elements listed in Provision C.3.j.i.(2) below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | (2) Prepare a Green Infrastructure Plan, subject to Executive Officer approval, that contains the following elements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |

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|         | <p>(a) A mechanism (e.g., SFEI's GreenPlanIT tool or another tool) to prioritize and map areas for potential and planned projects, both public and private, on a drainage-area-specific basis, for implementation over the following time schedules, which are consistent with the timeframes for assessing load reductions specified in Provisions C.11. and C.12:</p> <p>(i) By 2020;</p> <p>(ii) By 2030; and</p> <p>(iii) By 2040.</p> <p>The mechanism shall include criteria for prioritization (e.g., specific logistical constraints, water quality drivers (e.g., TMDLs), opportunities to treat runoff from private parcels in retrofitted street right-of-way) and outputs (e.g., maps, project lists) that can be incorporated into the Permittee's long-term planning and capital improvement processes.</p> <p>(b) Outputs from the mechanism described above, including, but not limited to, the prioritization criteria, maps, lists, and all other information, as appropriate. Individual project-specific reviews completed using these mechanisms are not required to be submitted with the Plan, but shall be made available upon request.</p> <p>(c) Targets for the amount of impervious surface, from public and private projects, within the Permittee's jurisdiction to be retrofitted over the following time schedules, which are consistent with the timeframes for assessing load reductions specified in Provisions C.11. and C.12:</p> <p>(i) By 2020;</p> <p>(ii) By 2030; and</p> <p>(iii) By 2040.</p>                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | <p>(e) General guidelines for overall streetscape and project design and construction so that projects have a unified, complete design that implements the range of functions associated with the projects. For example, for streets, these functions include, but are not limited to, street use for stormwater management, including treatment, safe pedestrian travel, use as public space, for bicycle, transit, vehicle movement, and as locations for urban forestry. The guidelines should call for the Permittee to coordinate, for example, street improvement projects so that related improvements are constructed simultaneously to minimize conflicts that may impact green infrastructure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|         | <p>(f) Standard specifications and, as appropriate, typical design details and related information necessary for the Permittee to incorporate green infrastructure into projects in its jurisdiction. The specifications shall be sufficient to address the different street and project types within a Permittee's jurisdiction, as defined by land use and transportation characteristics.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | <p>(g) Requirement(s) that projects be designed to meet the treatment and hydromodification sizing requirements in Provisions C.3.c. and C.3.d. For street projects not subject to Provision C.3.b.ii. (i.e., non- Regulated Projects), Permittees may collectively propose a single approach with their Green Infrastructure Plans for how to proceed should project constraints preclude fully meeting the C.3.d sizing requirements. The single approach can include different options to address specific issues or scenarios. That is, the approach shall identify the specific constraints that would preclude meeting the sizing requirements and the design approach(es) to take in that situation. The approach should also consider whether a broad effort to incorporate hydromodification controls into green infrastructure, even where not otherwise required, could significantly improve creek health and whether such implementation may be appropriate, plus all other information, as appropriate (e.g., how to account for load reduction for the PCBs or mercury TMDLs).</p> <p>(h) A summary of the planning documents the Permittee has updated or otherwise modified to appropriately incorporate green infrastructure requirements, such as: General Plans, Specific Plans, Complete Streets Plans, Active Transportation Plans, Storm Drain Master Plans, Pavement Work Plans, Urban Forestry Plans, Flood Control or Flood Management Plans, and other plans that may affect the future alignment, configuration, or design of impervious surfaces within the Permittee's jurisdiction, including, but not limited to, streets, alleys, parking lots, sidewalks, plazas, roofs, and drainage infrastructure. Permittees are expected to complete these modifications as a part of completing the Green Infrastructure Plan, and by not later than the end of the permit term.</p> | C                  |
|         | <p>(i) To the extent not addressed above, a workplan identifying how the Permittee will ensure that green infrastructure and low impact development measures are appropriately included in future plans (e.g., new or amended versions of the kinds of plans listed above).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |

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|         | (j) A workplan to complete prioritized projects identified as part of a Provision C.3.e Alternative Compliance program or part of Provision C.3.j Early Implementation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
|         | (k) An evaluation of prioritized project funding options, including, but not limited to: Alternative Compliance funds; grant monies, including transportation project grants from federal, State, and local agencies; existing Permittee resources; new tax or other levies; and other sources of funds.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (3) Adopt policies, ordinances, and/or other appropriate legal mechanisms to ensure implementation of the Green Infrastructure Plan in accordance with the requirements of this provision.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|         | (4) Conduct outreach and education in accordance with the following:<br>(a) Conduct public outreach on the requirements of this provision, including outreach coordinated with adoption or revision of standard specifications and planning documents, and with the initiation and planning of infrastructure projects. Such outreach shall include general outreach and targeted outreach to and training for professionals involved in infrastructure planning and design.<br>(b) Train appropriate staff, including planning, engineering, public works maintenance, finance, fire/life safety, and management staff on the requirements of this provision and methods of implementation.<br>(c) Educate appropriate Permittee elected officials (e.g., mayors, city council members, county supervisors, district board members) on the requirements of this provision and methods of implementation.<br>(5) Report on Green Infrastructure Planning as follows:              | C                  |
|         | (a) Each Permittee shall submit documentation in the 2017 Annual Report that its framework or workplan for development of its Green Infrastructure Plan was approved by its governing body, mayor, city manager, or county manager by June 30, 2017.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | (b) Each Permittee shall submit its completed Green Infrastructure Plan with the 2019 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | (c) Each Permittee shall submit documentation of its legal mechanisms to ensure implementation of its Green Infrastructure Plan with the 2019 Annual Report.<br>(d) Each Permittee shall submit a summary of its outreach and education efforts in each Annual Report.<br><b>ii. Early Implementation of Green Infrastructure Projects (No Missed Opportunities)</b><br>Each Permittee shall:<br>(1) Prepare and maintain a list of green infrastructure projects, public and private, that are already planned for implementation during the permit term                                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
|         | (2) Submit the list with each Annual Report and a summary of planning or implementation status for each public green infrastructure project and each private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Include a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement.                                                                                                                                                                                                                                                                    | C                  |
|         | <b>iii. Participate in Processes to Promote Green Infrastructure</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | (1) The Permittees shall, individually or collectively, track processes, assemble and submit information, and provide informational materials and presentations as needed to assist relevant regional, State, and federal agencies to plan, design, and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects. Issues to be addressed include coordinating the timing of funding from different sources, changes to standard designs and design criteria, ranking and prioritizing projects for funding, and implementation of cooperative in-lieu programs.<br>(2) In each Annual Report, Permittees shall report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.<br>(3) In the 2019 Annual Report, Permittees shall submit a plan and schedule for new and ongoing efforts to participate in processes to promote green | C                  |
|         | <b>iv. Tracking and Reporting Progress</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |

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|  | (1) The Permittees shall, individually or collectively, develop and implement regionally-consistent methods to track and report implementation of green infrastructure measures including treated area and connected and disconnected impervious area on both public and private parcels within their jurisdictions. The methods shall also address tracking needed to provide reasonable assurance that wasteload allocations for TMDLs, including the San Francisco Bay PCBs and mercury TMDLs, and reductions for trash, are being met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C      |
|  | (2) In each Annual Report, Permittees shall report progress on development and implementation of the tracking methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C      |
|  | <p>(3) In the 2019 Annual Report, Permittees shall submit the tracking methods and report implementation of green infrastructure measures including treated area, and connected and disconnected impervious area on both public and private parcels within their jurisdictions.</p> <p><b>Table 3.1 Standard Tracking and Reporting Form for Potential Special Projects</b></p> <p><b>Project No:</b> Number of the Special Project as it appears in Table 3.1</p> <p><b>Permittee:</b> Name of the Permittee in whose jurisdiction the Special Project will be built.</p> <p><b>Address:</b> Address of the Special Project; if no street address, state the cross streets.</p> <p><b>Submittal Date:</b> Date that a planning application for the Special Project was submitted; if a planning application has not been submitted, include a projected application submittal date.</p> <p><b>Description:</b> Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.</p> <p><b>Site Acreage:</b> Total site area in acres.</p> <p>Gross Density in DU/Ac: Number of dwelling units per acre.</p> <p><b>FAR:</b> Floor Area Ratio</p> <p><b>Special Project Category:</b> For each Special Project Category, indicate applicability. If a Category is applicable, list the specific criteria applied to determine applicability.</p> <p><b>LID Treatment Reduction Credit:</b> For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.</p> <p><b>Stormwater Treatment Systems:</b> List all proposed stormwater treatment systems and the corresponding percentage of the total amount of runoff identified in Provision C.3.d. for the Project's drainage area that will be treated by each treatment system.</p> <p><b>C.4. Industrial and Commercial Site Controls</b></p> <p>Each Permittee shall implement an industrial and commercial site control program at all sites that could reasonably be considered to cause or contribute to pollution of stormwater runoff. Permittees shall conduct inspections, effective followup, and enforcement to abate potential and actual non-stormwater discharges, consistent with each Permittee's respective Enforcement Response Plan. These combined efforts will prevent the discharge of pollutants and impacts to beneficial uses of receiving waters. Inspections shall confirm implementation of appropriate and effective BMPs and other pollutant controls by industrial and commercial site operators.</p> <p><b>C.4.a. Legal Authority for Effective Site Management</b></p> <p><b>i. Task Description</b> – Permittees shall have sufficient legal authority to inspect, require effective stormwater pollutant control, and implement progressively stricter enforcement to achieve expedient compliance and pollutant abatement at commercial and industrial sites within their jurisdiction.</p> <p><b>ii. Implementation Level</b> – Permittees shall have the legal authority to oversee, inspect, and require expedient compliance and pollution abatement at all industrial and commercial sites which may be reasonably considered to cause or contribute to pollution of stormwater runoff. Permittees shall have the legal authority to require implementation of appropriate BMPs at industrial and commercial facilities to address pollutant sources associated with outdoor process and manufacturing areas; outdoor material storage areas; outdoor waste storage and disposal areas; outdoor vehicle and equipment storage and maintenance areas; outdoor parking areas and access roads; outdoor wash areas; outdoor drainage from indoor areas, rooftop equipment; and</p> | C<br>D |
|  | <b>i. Task Description</b> – Permittees shall continue to update and implement an Inspection Plan that will serve as a prioritized inspection workplan. This Inspection Plan will allow inspection staff to categorize the commercial and industrial sites within the Permittee's jurisdiction by pollutant threat and inspection frequency, change inspection frequency based on site performance, and add and remove sites as businesses open and close.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D      |
|  | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |

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|         | (1) Facilities For Prioritization Into Inspection Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
|         | <p>Commercial and industrial facilities with the functional aspects and types described below, and other facilities identified by the Permittees as reasonably likely to contribute to pollution of stormwater runoff, shall be prioritized for inspection on the basis of the potential for water quality impact using criteria such as pollutant sources on site, pollutants of concern, proximity to a waterbody, potential and actual discharge history of the facility, and other relevant factors. The following are some of the functional aspects of businesses and types of businesses that shall be included in the Inspection Plan:</p> <p>(a) Sites that include the following types of functions that may produce pollutants when exposed to stormwater include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Outdoor process and manufacturing areas</li> <li>• Outdoor material storage areas</li> <li>• Outdoor waste storage and disposal areas</li> <li>• Outdoor vehicle and equipment storage and maintenance areas</li> <li>• Outdoor wash areas</li> <li>• Outdoor drainage from indoor areas</li> <li>• Rooftop equipment</li> <li>• Other sources determined by the Permittee or Water Board as reasonably likely to contribute to pollution of stormwater runoff.</li> </ul> <p>(b) The following types of industrial and commercial businesses that have a reasonable likelihood to be sources of pollutants to stormwater and non-stormwater discharges:</p> | D                  |
|         | <ul style="list-style-type: none"> <li>• Industrial facilities, as defined at 40 CFR 122.26(b)(14), including those subject to the Statewide NPDES General Permit for Stormwater Discharges Associated with Industrial Activity (hereinafter the Industrial General Permit);</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                  |
|         | <ul style="list-style-type: none"> <li>• Vehicle Salvage yards;</li> <li>• Metal and other recycled materials collection facilities, and waste transfer facilities;</li> <li>• Vehicle mechanical repair, maintenance, fueling, or cleaning facilities</li> <li>• Building trades central facilities or yards, corporation yards;</li> <li>• Nurseries and greenhouses;</li> <li>• Building material retailers and storage;</li> <li>• Plastic manufacturers; and</li> <li>• Other facilities designated by the Permittee or Water Board to be reasonably likely to contribute to pollution of stormwater runoff.</li> </ul> <p>(2) Inspection Plan – The Inspection Plan shall be updated annually and shall contain the following information:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | <p>(a) A description of the process for prioritizing inspections and frequency of inspections. The prioritization criteria shall assign a more frequent inspection schedule to the highest priority facilities per Provision C.4.b.ii.(1). If any geographical areas are to be targeted for inspections due to high potential for stormwater pollution, these areas should be indicated in the Inspection Plan.</p> <p>(b) Assign appropriate inspection frequency for each industrial and commercial facility based on the priority established in Provision C.4.b.ii.(2)(a) above, potential for contributing pollution to stormwater runoff, and commensurate with the threat to water quality.</p> <p>(c) A mechanism to include new businesses that warrant inspections.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | (d) Total number and a list of all industrial and commercial facilities requiring inspections, within each Permittee’s jurisdiction, based on the prioritization criteria established in Provision C.4.(b)ii.(2)(a). This list shall be updated annually.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |

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|         | (e) List of facilities scheduled for inspection each fiscal year of the MRP permit term. Each fiscal year's inspection list shall be added to the Inspection Plan at the beginning of the fiscal year as part of the annual update. Previous fiscal years' inspection lists shall remain in the Inspection Plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | (3) <b>Record Keeping</b> – For each facility identified in Provision C.4.b.ii.(2)(d), the Permittee shall maintain a database or equivalent tabular system of at least the following information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | (a) Name and address of the business and local business operator;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D                  |
|         | (b) A brief description of business activity or pollutant source, including SIC code. Examples: outdoor process/manufacturing areas, outdoor material storage areas, outdoor waste storage and disposal areas, outdoor vehicle and equipment storage and maintenance areas, outdoor parking areas and access roads, outdoor wash areas, rooftop equipment, and outdoor drainage from indoor areas;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | (c) Inspection priority and inspection frequency; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | (d) If coverage under the Industrial General Permit is required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | <b>iii. Reporting</b> – The Permittees shall include the list of all industrial and commercial facilities requiring inspections identified in Provision C.4.b.ii.(2)(d) in each Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | <b>C.4.a. Enforcement Response Plan (ERP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | <b>i. Task Description</b> – Each Permittee shall implement and update, as needed, its ERP – a reference document for inspection staff to take consistent actions to achieve timely and effective compliance from all commercial and industrial site operators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | <b>ii. Implementation Level – The ERP shall contain the following:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | (1) Enforcement Procedures – A description of the Permittee's procedures, from the discovery of problems through the confirmation of implementation of corrective actions. This shall include guidance for appropriate enforcement actions, followup inspections, referrals to another agency, appropriate time periods for implementation of corrective actions, and the roles and responsibilities of staff responsible for implementing the ERP.<br>(2) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools for different field scenarios, including, but not limited to potential discharges (e.g., housekeeping issues, evidence of actual non-stormwater discharges, lack of BMPs, inadequate BMPs, and inappropriate BMPs), actual non-stormwater discharges, non-compliance with previous enforcement actions, and sites with a history of potential and/or actual non-stormwater discharges. | D                  |
|         | (3) Timely Correction of Potential and Actual Non-stormwater Discharges – A description of the Permittee's procedures for assigning due dates for corrective actions. Permittees shall require timely correction of all potential and actual non-stormwater discharges. Permittees shall require active non-stormwater discharges to cease immediately. Corrective actions shall be implemented before the next rain event, but no longer than 10 business days after the potential and/or actual non-stormwater discharges are discovered. Corrective actions can be temporary and more time can be allowed for permanent corrective actions. If more than 10 business day are required for compliance, a rationale shall be recorded in the electronic database or                                                                                                                                                                                | D                  |
|         | (4) Referral and Coordination with Other Agencies – Each Permittee shall enforce its stormwater ordinances to achieve compliance at sites with observed potential and actual non-stormwater discharges required in Discharge Prohibition A.1. For cases in which Permittee enforcement tools are inadequate to remedy the noncompliance, the Permittee shall refer the case to the Water Board, district attorney, or other relevant agencies for additional enforcement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | <b>C.4.d. Inspections</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|         | <b>i. Task Description</b> – Each Permittee shall conduct inspections according to the Inspection Plan in Provision C.4.b.ii.(2) and the ERP in Provision C.4.c.ii. to enforce its ordinance to prevent stormwater pollution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | (1) Inspections – Inspections shall be conducted to include at least the following activities:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | (a) Observations for appropriate BMPs to prevent stormwater runoff pollution or illicit discharge;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | (b) Observations for evidence of unauthorized discharges, illicit connections, and potential discharge of pollutants to stormwater;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|         | (c) Observations for noncompliance with Permittee ordinances and other local requirements; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | (d) Verification of coverage under the Industrial General Permit, if applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |



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| (2) Record Keeping – Permittees shall maintain adequate records to demonstrate compliance and appropriate followup enforcement responses for facilities inspected. Permittees shall maintain an electronic database or equivalent tabular system that contains the following information regarding industrial and commercial site inspections:                                                                                             | D                  |
| (a) Name of facility/site inspected<br>(b) Inspection date<br>(c) Industrial General Permit coverage required (Yes or No)<br>(d) Compliance status<br>(e) Specific problems<br>(f) Type of enforcement (if applicable)<br>(g) Problem resolution date<br>(h) Additional comments<br>The electronic database or equivalent tabular system shall be made readily available to Water Board staff or its representative during inspections and | D                  |
| (3) Data Evaluation – Permittees shall evaluate the frequency of potential and actual non-stormwater discharges by business category. Note trends and, as needed, implement focused inspections or education in subsequent years to address trends.                                                                                                                                                                                        | D                  |
| <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
| (1) Permittees shall include the following information in the 2015-2016 Annual Report:                                                                                                                                                                                                                                                                                                                                                     | D                  |
| (a) Number of inspections conducted, Number of violations issued (excluding verbal warnings), Percentage of sites inspected in violation, and number and percent of violations resolved within 10 working days or otherwise deemed resolved in a longer, but still timely manner;                                                                                                                                                          | D                  |
| (b) Frequency and types/categories of violations observed, Frequency and type of enforcement conducted;                                                                                                                                                                                                                                                                                                                                    | D                  |
| (c) Summary of types of violations noted by business category; and                                                                                                                                                                                                                                                                                                                                                                         | D                  |
| (d) Facilities that are required to have coverage under the Industrial General Permit, but have not filed for coverage.                                                                                                                                                                                                                                                                                                                    | D                  |
| (2) Beginning with the 2016-2017 Annual Report, Permittees shall include the following information in each Annual Report:                                                                                                                                                                                                                                                                                                                  | D                  |
| (a) Number of inspections conducted;                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
| (b) Number of each type of enforcement action, as listed in each Permittee's ERP, issued;                                                                                                                                                                                                                                                                                                                                                  | D                  |
| (c) Number of enforcement actions or discreet number of potential and actual discharges fully resolved within 10 working days or otherwise deemed resolved in a longer, but still timely manner;                                                                                                                                                                                                                                           | D                  |
| (d) Frequency of potential and actual non-stormwater discharges by business category; and                                                                                                                                                                                                                                                                                                                                                  | D                  |
| (e) A list of facilities that are required to have coverage under the Industrial General Permit, but have not filed for coverage.                                                                                                                                                                                                                                                                                                          | D                  |
| <b>C.4.e. Staff Training</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>i. Task Description</b> – Permittees shall provide focused training for industrial and commercial site inspectors and illicit discharge detection and elimination inspectors annually. Trainings may be program-wide, region-wide, or Permittee- specific.                                                                                                                                                                              | D                  |
| <b>ii. Implementation Level</b> – At a minimum, provide inspection training, within the 5-year term of this Permit, in the following topics:                                                                                                                                                                                                                                                                                               | D                  |
| (1) Urban runoff pollution prevention;                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
| (2) Inspection procedures;                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
| (3) Business Inspection Plan;                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| (4) Enforcement Response Plan                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| (5) Illicit Discharge Detection and Elimination; and                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
| (6) Appropriate BMPs to be used at different industrial and commercial facilities.                                                                                                                                                                                                                                                                                                                                                         | D                  |
| <b>iii. Reporting</b> – The Permittees shall include the following information in each Annual Report:                                                                                                                                                                                                                                                                                                                                      | D                  |
| (1) Dates of training;                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |

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| (2) Training topics covered;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                  |
| (3) Percentage of industrial and commercial site inspectors attending training; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
| (4) Percentage of Illicit Discharge, Detection, and Elimination inspectors attending training.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
| <b>C.5. Illicit Discharge Detection and Elimination</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| The purpose of this provision is to implement the illicit discharge prohibition and to ensure illicit discharges are detected and controlled that are not otherwise controlled under provisions C.4. – Industrial and Commercial Site Controls and C.6. – Construction Site Controls. Permittees shall implement an illicit discharge program that includes an active surveillance component and a centralized complaint collection and followup component to detect and eliminate illicit discharges into the MS4. Permittees shall maintain a complaint tracking and followup data system as their primary accountability reporting                                                                                                |                    |
| <b>C.5.a. Legal Authority</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>i. Task Description</b> – Permittees shall have the legal authority to prohibit and control illicit discharges and implement progressively stricter enforcement to achieve expedient compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
| <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
| (1) Permittees shall have adequate legal authority to address illicit discharges to the MS4, including, but not limited to, the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| (a) Sewage;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
| (b) Discharges of wash water resulting from the cleaning of exterior surfaces and pavement, or the equipment and other facilities of any commercial business, or any other public or private facility, including discharges from mobile cleaning businesses;                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B                  |
| (c) Discharges of runoff from material storage areas, including those containing chemicals, fuels, or other potentially polluting or hazardous materials;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
| (d) Discharges of pool or fountain water containing chlorine, biocides, or other chemicals; discharges of pool or fountain filter backwash water;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                  |
| (e) Discharges of sediment, pet waste, vegetation clippings, or other landscape or construction-related wastes; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
| (f) Discharges of food-related wastes (e.g., grease, fish processing wastes, restaurant kitchen mat and trash bin wash water).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
| (2) Permittees shall have adequate legal authority to prohibit, discover through inspection and surveillance, and eliminate illicit connections and discharges to the MS4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| (3) Permittees shall have adequate legal authority to control the discharge of spills, dumping, or disposal of materials other than storm water to the MS4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
| <b>C.5.b. Enforcement Response Plan (ERP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>i. Task Description</b> – Each Permittee shall implement and update, as needed, its ERP – a reference document for inspection staff to take consistent actions to achieve timely and effective abatement of illicit discharges and compliance from responsible parties.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| <b>ii. Implementation Level</b> – The ERP shall contain the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |
| (1) Enforcement Procedures – A description of the Permittee’s procedures from the discovery of a problem through the confirmation of implementation of corrective actions. This shall include guidance for appropriate enforcement actions, followup inspections, referrals to another agency, appropriate time periods for implementation of corrective actions, and the roles and responsibilities of staff responsible for implementing the ERP.                                                                                                                                                                                                                                                                                  | B                  |
| (2) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools for different field scenarios, including, but not limited to potential discharges (e.g., housekeeping issues, evidence of actual discharges, lack of BMPs, inadequate BMPs, and inappropriate BMPs), actual discharges, non-compliance with previous enforcement actions, and sites with a history of potential and/or actual discharges.                                                                                                                                                                                                                                                                                      | B                  |
| (3) Timely Correction of Potential and Actual Discharges – A description of the Permittee’s procedures for assigning due dates for corrective actions. Each Permittee shall require timely correction of all potential and/or actual discharges. Active discharges shall be required to cease immediately. Corrective actions shall be implemented before the next rain event, but no longer than 10 business days after the potential and/or actual discharges are discovered. Corrective actions can be temporary and more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, a rationale shall be recorded in the electronic database or equivalent tabular system. | B                  |

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| <b>C.5.c. Spill, Dumping, and Complaint Response Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
| <b>i. Task Description</b> – Each Permittee shall implement a program to respond to spills, dumping, and complaints.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
| <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
| (1) Each Permittee shall have a central contact point for the public and Permittee’s staff to report spills, dumping, and complaints. At a minimum, this central contact point shall include a phone number. Permittee shall also include, as feasible, user friendly web reporting for spills and dumping.                                                                                                                                                                                                                                                                               | B                  |
| (2) Each Permittee shall publicize the phone number and web reporting address, if used, to internal Permittee’s staff and the public. The Permittee’s website shall be one of the places the central contact point is publicized. The Permittee’s website shall be updated with the central contact point to report spills and dumping by June 30, 2016. This central contact point shall be readily searchable on the Permittee’s website.                                                                                                                                               | B                  |
| (3) Each Permittee shall require its municipal staff conducting routine maintenance and inspection activities to report illicit discharges found during their activities to the central contact point so that illicit discharge staff can investigate and track.                                                                                                                                                                                                                                                                                                                          | B                  |
| (4) Each Permittee shall maintain and update, as needed, a spill, dumping, and complaint response flow chart and/or phone tree for the Permittee’s staff responsible for the spill and dumping response program. At a minimum, this flow chart and/or phone tree shall identify staff or positions responsible for receiving the complaints and investigating and abating the complaints.                                                                                                                                                                                                 | B                  |
| (5) Each Permittee shall maintain and update, as needed, a spill, dumping, and complaint response flow chart and phone tree or contact list for internal use that shows the various responsible agencies and their contacts, who would be involved in illicit discharge incident response that goes beyond the Permittee’s immediate capabilities.                                                                                                                                                                                                                                        | B                  |
| (6) Each Permittee shall conduct reactive inspections in response to spill, dumping, and complaint reports and shall also conduct followup inspections, as needed, to ensure that corrective measures have been effectively implemented to achieve and maintain compliance.                                                                                                                                                                                                                                                                                                               | B                  |
| <b>iii. Reporting</b> – Permittees shall provide the following information in the 2016 and 2020 Annual Reports:                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
| (1) The spill and dumping reporting phone number and the web address, if used;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
| (2) A screen shot of the Permittee’s website showing the central contact point; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
| (3) A discussion of how the central contact point – spill and dumping reporting phone number and, if used, the web address – is being publicized to Permittees’ staff and the public.                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
| <b>C.5.d. Tracking and Case Followup</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
| <b>i. Task Description</b> – All incidents or discharges reported to the spill, dumping, and complaints central contact point, that might discharge into the MS4, shall be logged to track followup and response through problem resolution. The data collected shall be sufficient to demonstrate escalating responses for repeated problems and inter/intra-agency coordination, where appropriate. It is not necessary to track and report data according to this provision if they are tracked and reported according to State Water Resource Control Board Order No. 2006- 0003-DWQ. | D                  |
| <b>ii. Implementation Level</b> – Maintain a water quality spills, dumping, and complaints tracking and followup in an electronic database or equivalent tabular system.<br>The spill and discharge complaint tracking system shall contain the following information:                                                                                                                                                                                                                                                                                                                    | D                  |
| (1) Complaint information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
| (a) Date and time of complaint,<br>(b) Type of pollutant, and<br>(c) Problem Status (potential or actual discharge.).                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
| (2) Investigation information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |

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|         | (a) Date and time started,<br>(b) Type of pollutant,<br>(c) Entered storm drain and/or receiving water,<br>(d) Date and time abated, and<br>(e) Type of enforcement based on the Permittee's ERP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | The electronic database or equivalent tabular system shall be made available to Water Board staff or representatives during audits or inspections.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | <b>iii. Reporting</b> – Permittees shall provide the following information in the Annual Report:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | (1) Number of discharges reported;<br>(2) Number of discharges reaching storm drains and/or receiving waters; and<br>(3) Number discharges resolved in a timely manner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | <b>C.5.e. Control of Mobile Sources</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | <b>i. Task Description</b> – Permittees shall have oversight and control of pollutants associated with mobile businesses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |
|         | <b>ii. Implementation Level</b> – Each Permittee shall implement a program to reduce the discharge of pollutants from mobile businesses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | (1) The program shall include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (a) Implementation of minimum standards and BMPs for each of the various types of mobile businesses, such as automobile washing, power washing, steam cleaning, and carpet cleaning.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | (b) Implementation of an enforcement strategy that specifically addresses the unique characteristics of mobile businesses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | (c) Regularly updating mobile business inventories.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
|         | (d) Implementation of an outreach and education strategy to mobile businesses operating within the Permittee's jurisdiction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
|         | (e) Inspection of mobile businesses, as needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | (2) Permittees may cooperate county-wide and/or region-wide with the implementation of their programs for mobile businesses, including sharing of mobile business inventories, BMP requirements, enforcement action information, and education.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|         | (1) In the 2017 Annual Report, each Permittee shall provide the following: (a) minimum standards and BMPs for each of the various types of mobile businesses; (b) its enforcement strategy; (c) a list and summary of the specific outreach events and education conducted to the different types of mobile businesses operating within the Permittee's jurisdiction; (d) the number of inspections conducted at mobile businesses and/or job sites in 2016-2017; (e) discuss enforcement actions taken against mobile businesses in 2016-2017; (f) Permittee's inventory of mobile businesses operating within the Permittee's jurisdiction; and (g) a list and summary of the county-wide or regional activities conducted, including sharing of mobile business inventories, BMP requirements, enforcement action information, and education (Permittees' annual reports may refer to the county-wide or regional reports for this | B                  |
|         | (2) In the 2019 Annual Report, each Permittee shall include at least the following: (a) changes to minimum standards and BMPs for each of the various types of mobile businesses since the 2017 Annual Report; (b) changes to the Permittee's enforcement strategy; (c) minimum standards and BMPs developed for additional types of mobile businesses; (d) a list and summary of specific outreach events and education conducted to each type of mobile businesses operating within the Permittee's jurisdiction during the Permit term; (e) a discussion of the inspections conducted at mobile businesses and/or job sites; (f) Permittee's inventory of mobile businesses operating within the Permittee's jurisdiction; and (g) a discussion of the enforcement actions taken                                                                                                                                                   | D                  |
|         | <b>C.5.f. Municipal Separate Storm Sewer System (MS4) Map</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | <b>i. Task Description</b> – Each Permittee shall make the map(s) of its MS4 available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |

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|         | <b>ii. Implementation Level</b> – Permittees shall make maps of the MS4 publicly available, either electronically or in hard copy. Public availability shall be made through a single point of contact that is convenient for the public, such as a staffed counter or web accessible maps. The MS4 map availability shall be publicized through Permittee directories and web pages.                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | <b>iii. Reporting</b> – In the 2016 and 2019 Annual Reports, Permittees shall discuss how they make MS4 maps available to the public and how they publicize the availability of the MS4 maps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | <b>C.6. Construction Site Control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | Each Permittee shall implement a construction site inspection and control program at all construction sites, with followup and enforcement consistent with each Permittee’s respective ERP, to prevent construction site discharges of pollutants into the storm drains. Inspections shall confirm implementation of appropriate and effective erosion and other construction pollutant controls by construction site operators/developers. Each Permittee shall in its reporting demonstrate the effectiveness of its inspections and enforcement activities to prevent polluted construction site discharges into storm drains.                                                                                                                   | C                  |
|         | <b>C.6.a. Legal Authority for Effective Site Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | <b>i. Task Description</b> – Permittees shall have the ability to require effective stormwater pollutant controls to prevent discharge of pollutants into the storm drains, and implement progressively stricter enforcement to achieve expedient compliance and cleanup at all public and private construction sites.                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | (1) Permittees shall have the legal authority to require at all construction sites year-round effective erosion control, run-on and runoff control, sediment control, active treatment systems (as appropriate), good site management, and non-storm water management through all phases of construction (including, but not limited to, site grading, building, and finishing of lots) until the site is fully stabilized by landscaping or the installation of permanent                                                                                                                                                                                                                                                                          | C                  |
|         | (2) Permittees shall have the legal authority to oversee, inspect, and require expedient compliance and cleanup at all construction sites year-round.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|         | <b>C.6.b. Enforcement Response Plan (ERP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | <b>i. Task Description</b> – Each Permittee shall implement and update, as needed, its ERP – a reference document for inspection staff to take consistent actions to achieve timely and effective compliance at all public and private construction sites.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | <b>ii. Implementation Level</b> – The ERP shall contain the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | (1) Enforcement Procedures – A description of the Permittee’s procedures from the discovery of the problems through the confirmation of implementation of corrective actions. This shall include guidance for appropriate enforcement actions, followup inspections, referrals to another agency, appropriate time periods for implementation of corrective actions, and the roles and responsibilities of staff responsible for implementing the ERP.                                                                                                                                                                                                                                                                                              | C                  |
|         | (2) Enforcement Tools and Field Scenarios – A discussion of the various, escalating enforcement tools for different field scenarios, including, but not limited to, potential discharges (e.g., housekeeping issues, evidence of actual discharges, lack of ERP, inadequate BMPs, and inappropriate BMPs), actual discharges, non-compliance with previous enforcement actions, and sites with a history of potential and/or actual discharges.                                                                                                                                                                                                                                                                                                     | C                  |
|         | (3) Timely Correction of Potential and Actual Discharges – A description of the Permittee’s procedures for assigning due dates for corrective actions. Permittees shall require timely correction of all potential and actual discharges. Permittees shall require actual non-stormwater discharges to cease immediately. Corrective actions shall be implemented before the next rain event, but no longer than 10 business days after the potential and/or actual discharges are discovered. Corrective actions can be temporary and more time can be allowed for permanent corrective actions. If more than 10 business days are required for compliance, a rationale shall be recorded in the electronic database or equivalent tabular system. | C                  |
|         | <b>C.6.c. Best Management Practices Categories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
|         | <b>i. Task Description</b> – Permittees shall require all construction sites to have site- specific, and seasonally and phase-appropriate, effective BMPs) in the following six categories:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C                  |

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|         | <ul style="list-style-type: none"> <li>• Erosion Control</li> <li>• Run-on and Run-off Control</li> <li>• Sediment Control</li> <li>• Active Treatment Systems, as necessary</li> <li>• Good Site Management</li> <li>• Non-Stormwater Management.</li> </ul>                                                                                                                                                           | C                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | The BMPs targeting specific construction site pollutants within the six categories listed in C.6.c.i. shall be site-specific. Site-specific BMPs targeting specific pollutants from the six categories listed in C.6.c.i. may be a combination of BMPs from:                                                                                                                                                            | C                  |
|         | <ul style="list-style-type: none"> <li>• CASQA, BMP Handbook, Construction, January 2009.</li> <li>• Caltrans Stormwater Quality Handbooks, Construction Site Best Management Practices Manual, March 2003, and addenda.</li> <li>• New BMPs available since the release of these handbooks.</li> <li>• Other BMPs shown to provide equivalent protection.</li> </ul>                                                   | C                  |
|         | <b>C.6.d. Plan Approval Process</b>                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | <b>i. Task Description</b> – Permittees shall review erosion control plans for consistency with local requirements and the appropriateness and adequacy of proposed BMPs for each site before issuance of grading permits for projects. Permittees shall also verify that sites disturbing one acre or more of land have filed a Notice of Intent for permit coverage under the Construction General Permit.            | C                  |
|         | <b>ii. Implementation Level</b> – Before approval and issuance of local grading permits, each Permittee shall perform the following:                                                                                                                                                                                                                                                                                    |                    |
|         | (1) Review the site operator's/developer's erosion/pollution control plan or Stormwater Pollution Prevention Plan (SWPPP) to verify compliance with the Permittee's grading ordinance and other local requirements. Also review the site operator's/developer's erosion/pollution control plan or SWPPP to verify that seasonally appropriate and effective BMPs for the six categories listed in C.6.c.i. are planned; | C                  |
|         | (2) For sites disturbing one acre or more of soil, verify that the site operators/developers have filed a Notice of Intent for permit coverage under the Construction General Permit; and                                                                                                                                                                                                                               | C                  |
|         | (3) Provide construction stormwater management educational materials to site operators/developers, as appropriate.                                                                                                                                                                                                                                                                                                      | C                  |
|         | <b>C.6.e. Inspections</b>                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | <b>i. Task Description</b> – Permittees shall conduct inspections to determine compliance with local ordinances (grading and stormwater) and determine the effectiveness of the BMPs in the six categories listed in C.6.c.i. in preventing the discharge of construction pollutants into the storm drain; and Permittees shall require timely corrections of all actual and potential discharges observed.             | C                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | <b>(1) Wet Season Notification</b><br>By September 1 of each year, each Permittee shall remind all site developers and/or owners disturbing one acre or more of soil, hillside projects, and high priority sites to prepare for the upcoming wet season.                                                                                                                                                                | C                  |
|         | <b>(2) Frequency of Inspections</b><br>Inspections shall be conducted monthly during the wet season <sup>12</sup> at the following sites:                                                                                                                                                                                                                                                                               | C                  |
|         | (a) All construction sites disturbing one or more acre of land;                                                                                                                                                                                                                                                                                                                                                         | C                  |

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|         | (b) All hillside projects <sup>13</sup> (based on the Permittee's map of hillside development areas or criteria, or if the Permittee does not have a map of hillside development areas or criteria, those projects on sites with $\geq 15\%$ slope) disturbing greater than or equal to 5,000 square feet; and                                                                                                                                                                                                                                                           | C                  |
|         | (c) High Priority Sites – Other sites determined by the Permittee or the Water Board as significant threats to water quality. In evaluating threat to water quality, the following factors shall be considered:<br>(i) Soil erosion potential or soil type;<br>(ii) Site slope;                                                                                                                                                                                                                                                                                          | C                  |
|         | (iii) Project size and type;<br>(iv) Sensitivity or receiving waterbodies;<br>(v) Proximity to receiving waterbodies;<br>(vi) Non-stormwater discharges; and<br>(vii) Any other relevant factors as determined by the local agency or the Water Board.                                                                                                                                                                                                                                                                                                                   | C                  |
|         | <b>(3) Contents of Inspections</b><br>Inspections shall focus on the adequacy and effectiveness of the site- specific BMPs implemented for the six categories listed in C.6.c.i. Permittees shall require timely corrections of all actual and potential problems observed. Inspections of construction sites shall include, but are not limited to, the following:                                                                                                                                                                                                      | C                  |
|         | (a) Assessment of compliance with Permittee's ordinances and permits related to urban runoff, including the implementation and maintenance of the verified erosion/pollution control plan or SWPPP (from C.6.d.ii.(1));                                                                                                                                                                                                                                                                                                                                                  | C                  |
|         | (b) Assessment of the adequacy and effectiveness of the site-specific BMPs implemented for the six categories listed in C.6.c.i.;                                                                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|         | (c) Visual observations for:<br>• actual discharges of sediment and/or construction related materials into storm drains and/or waterbodies.<br>• evidence of sediment and/or construction related materials discharges into storm drains and/or waterbodies.<br>• illicit connections, and<br>• potential illicit connections.                                                                                                                                                                                                                                           | C                  |
|         | (d) Education on stormwater pollution prevention, as needed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | <b>(4) Tracking</b><br>All inspections shall be recorded on a written or electronic inspection form. Inspectors shall follow the ERP for all actual and potential discharges discovered during the inspection. Permittees shall track in an electronic database or tabular format all inspections. This electronic database or tabular format shall be made readily available during inspections and audits by the Water Board staff or its representatives. This electronic database or tabular format shall record the following information for each site inspection: | C                  |

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| (a) Site name;<br>(b) Inspection date;<br>(c) Weather during inspection;<br>(d) Enforcement Response Level (Use ERP);<br>(e) Problem(s) observed using Illicit Discharge and the six BMP categories listed in C.6.c.i.;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
| (f) Resolution of Problems noted using the following three standardized categories: Problems Fixed, Need More Time, and Escalate Enforcement; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | C                  |
| (g) Comments, which shall include all Rationales for Longer Compliance Time, all escalation in enforcement discussions, and any other information that may be relevant to that site inspection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
| <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| (1) In the 2016 Annual Report, each Permittee shall certify the criteria it uses to determine hillside developments. If the Permittee is using maps of hillside developments areas or other written criteria, include a copy in the Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C                  |
| (2) In the 2015-2016 Annual Report, each Permittee shall summarize the following information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | C                  |
| (a) Total number of active sites disturbing less than one acre of soil requiring inspection;<br>(b) Total number of active sites disturbing one acre or more of soil;<br>(c) Total number of inspections conducted;<br>(d) Number and percentage <sup>14</sup> of violations in each of the six categories listed in C.6.c.i.;<br>(e) Number and percentage <sup>15</sup> of each type of enforcement action taken as listed in each Permittee's ERP;<br>(f) Number of discharges, actual and those inferred through evidence, of sediment or other construction related materials;<br>(g) Number of sites with discharges, actual and those inferred through evidence, of sediment or other construction related materials;<br>(h) Number and percentage <sup>16</sup> of violations fully corrected prior to the next rain event but no longer than 10 business days after the violations are discovered or otherwise considered in a timely, though longer period; and<br>(i) Number and percentage <sup>17</sup> of violations not fully corrected 30 days after the violations are discovered. | C                  |
| (3) Beginning with the 2016-2017 Annual Report, each Permittee shall summarize the following information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | C                  |
| (a) Total number of active hillside sites disturbing less than one acre of soil requiring inspection;<br>(b) Total number of active sites disturbing 1 acre or more of soil;<br>(c) Total number of active sites disturbing less than one acre of soil identified as High Priority sites in C.6.e.ii.(2)(c) requiring inspections;<br>(d) Total number of inspections conducted;<br>(e) Number of each type of enforcement action taken as listed in each Permittee's ERP;<br>(f) Number of illicit discharges, actual and those inferred through evidence, of sediment or other construction-related materials;<br>(g) Number of enforcement actions or discrete number of potential and actual discharges fully corrected prior to the next rain event, but no longer than 10 business days after the potential and actual discharges <sup>18</sup> are discovered or otherwise considered corrected in a timely, though longer period.                                                                                                                                                           | C                  |



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|         | (4) In each Annual Report, each Permittee shall evaluate its respective electronic database or tabular format and the summaries produced in C.6.e.ii.(4) above. This evaluation shall include findings on the program's strength, comparison to previous years' results, as well as areas that need more focused education for site owners, operators, and developers the following year.                                                                                                                                                                                                                                                                   | C                  |
|         | (5) The Executive Officer may require that the information recorded and tracked by C.6.e.ii.(4) be submitted electronically or in a tabular format. Permittees shall submit the information within 10 working days of the Executive Officer's requirement. Submittal of the information in tabular form for the reporting year is not required in each Annual Report, but it is encouraged.                                                                                                                                                                                                                                                                 | C                  |
|         | <b>C.6.f. Staff Training</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
|         | <b>i. Task Description</b> – Permittees shall provide training or access to training for staff conducting construction stormwater inspections.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | <b>ii. Implementation Level</b> – Permittees shall provide training at least every other year to municipal staff responsible for conducting construction site stormwater inspections. Training topics shall include information on correct uses of specific BMPs, proper installation and maintenance of BMPs, Permit requirements, local requirements, and the ERP.                                                                                                                                                                                                                                                                                        | C                  |
|         | <b>iii. Reporting</b> – Permittees shall include in each Annual Report the following information: training topics covered, dates of training, and the number of the Permittees' inspectors attending each training. If there was no training in that year, so state.                                                                                                                                                                                                                                                                                                                                                                                        | C                  |
|         | <b>C.7. Public Information and Outreach</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
|         | Each Permittee shall increase the awareness of a broad spectrum of the community, including a diversity of socioeconomic groups and ethnic communities, regarding the impacts of stormwater pollution on receiving waters and potential solutions to mitigate the problems caused; positively influence the waste disposal and runoff pollution generation behavior of target audiences by encouraging implementation of appropriate solutions; and involve various citizens in mitigating the impacts of stormwater pollution. Outreach required in other provisions may be conducted under Provision C.7.                                                 | B                  |
|         | <b>C.7.a. Storm Drain Inlet Marking</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|         | <b>i. Task Description</b> – Permittees shall mark and maintain municipally-maintained storm drain inlets with an appropriate stormwater pollution prevention message, such as "No dumping, drains to Bay" or equivalent. For newly-approved, privately maintained streets, Permittees shall require storm drain inlet markings with an appropriate stormwater pollution prevention message by the project developer upon construction and maintenance of markings through the development maintenance entity. Markings on the storm drain inlets shall be verified prior to acceptance of the project.                                                     | C                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
|         | (1) Inspect and maintain storm drain inlet markings of at least 80 percent of municipality-maintained inlets to ensure they are legibly labeled with a no dumping message or equivalent once per permit term.                                                                                                                                                                                                                                                                                                                                                                                                                                               | C                  |
|         | (2) Storm drain inlet markings of newly developed privately-maintained streets shall be verified prior to acceptance of the project. Permittees shall require maintenance of the storm drain inlet markings through the development maintenance entity.                                                                                                                                                                                                                                                                                                                                                                                                     | C                  |
|         | <b>iii. Reporting</b> – In the 2020 Annual Report, each Permittee shall (1) state how many municipally-maintained storm drain inlets it has, (2) certify that at least 80 percent of municipality-maintained storm drain inlet markings are legibly labeled with an appropriate stormwater pollution prevention message during the permit term; (3) include a picture of a labeled municipality-maintained inlet; and (4) certify that all privately-maintained streets had storm drain inlet markings verified prior to acceptance of the project and were required to maintain the storm drain inlet markings through the development maintenance entity. | C                  |
|         | <b>C.7.b. Outreach Campaigns</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|         | <b>i. Task Description</b> – Permittees shall continue to participate in or contribute to outreach campaigns, with the goal of significantly increasing overall awareness of stormwater runoff pollution prevention messages and behavior changes in target audiences.                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |

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|         | (1) Target a broad audience with a minimum of one outreach campaign with specific stormwater runoff pollution prevention messages. The outreach campaign(s) should utilize various electronic and print media, and paid and free media to best reach the different target audiences. The outreach campaign(s) may be coordinated regionally or county-wide.                                                                                                                                                                                            | B                  |
|         | (2) Permittees shall conduct a post-campaign effectiveness assessment/evaluation to identify and quantify the audiences' knowledge, trends, and attitudes and/or practices; and to measure the overall population's awareness of the messages and behavior changes achieved by the outreach campaigns. Effectiveness assessment/evaluation may be done regionally or county-wide.                                                                                                                                                                      | B                  |
|         | <b>iii. Reporting</b> – In the Annual Report following the post-campaign effectiveness assessment/evaluation, each Permittee (or the Countywide Program, if the effectiveness assessment/evaluation was done county-wide or the regional program, if the effectiveness assessment/evaluation was done regionally) shall provide a report of the effectiveness assessment/evaluation completed, which, at minimum, shall include the following:                                                                                                         | B                  |
|         | (1) A description of the outreach campaign.<br>(2) A summary of how the effectiveness assessment/evaluation was implemented.<br>(3) An analysis of the effectiveness assessment/evaluation results.<br>(4) A discussion of the measurable changes in awareness and behavior achieved.<br>(5) A discussion of the planned or future outreach campaigns to influence awareness and behavior changes regarding stormwater runoff pollution prevention messages.                                                                                           | B                  |
|         | <b>C.7.c. Stormwater Pollution Prevention Education</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | <b>i. Task Description</b> – Permittees shall continue to maintain a point of contact to provide the public with stormwater pollution prevention information.                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | (1) Each Permittee shall maintain and publicize one point of contact for information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives. This point of contact can be maintained individually or collectively and Permittees may combine this function with the spill and dumping complaint central contact point required in C.5.                                                                                                                                                                      | B                  |
|         | (2) Each Permittee shall place and maintain information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives on its website. In lieu of posting the detailed informational pages directly on their individual websites, Permittees may choose to provide links from their websites to the countywide program's and/or BASMAA's websites. Each Permittee shall publicize its website.                                                                                                                      | B                  |
|         | <b>iii. Reporting</b> – In the 2016 Annual Report, each Permittee shall list the point of contact, discuss how this point of contact and stormwater pollution website are publicized and maintained, and certify that it has a website dedicated to providing and maintaining information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives.                                                                                                                                                           | B                  |
|         | <b>C.7.d. Public Outreach and Citizen Involvement Events</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|         | <b>i. Task Description</b> – Public outreach shall include a variety of pollution prevention message such as car washing; proper use, storage and disposal of vehicle waste fluids; household waste materials disposal; pesticide use; and trash. Public outreach events may include venues such as fairs, shows, and workshops. Citizen involvement events may include venues such as creek/shore clean-ups, adopt-an-inlet/creek/beach programs, volunteer monitoring, storm drain inlet marking, riparian restoration activities, community grants. | B                  |
|         | <b>ii. Implementation Level</b> – Each Permittee shall annually participate and/or host a mix of public outreach and citizen involvement events according to its population, as shown in the table below:                                                                                                                                                                                                                                                                                                                                              | B                  |

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|         | <b>iii. Reporting</b> – In each Annual Report, each Permittee shall list the events (name of event, event location, and event date) participated in; identity whether the event is public outreach or citizen involvement; and assess the effectiveness of efforts with appropriate measures (e.g., success at reaching a broad spectrum of the community, number of participants compared to previous years, post-event effectiveness assessment/evaluation results, quantity/volume of materials cleaned up and comparisons to previous efforts).                                                                                                                                                        | B                  |
|         | <b>C.7.e. Watershed Stewardship Collaborative Efforts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|         | <b>i. Task Description</b> – Permittees shall individually or collectively encourage and support watershed stewardship collaborative efforts of community groups such as the Contra Costa Watershed Forum, the Santa Clara Basin Watershed Management Initiative, “friends of creek” groups, and other organizations that benefit the health of the watershed, such as the Bay-Friendly Landscaping and Gardening Coalition. If no such organizations exist, encourage and support development of grassroots watershed groups or engagement of an existing group, such as a neighborhood association, in watershed stewardship activities. Coordinate with existing groups to further stewardship efforts. | B                  |
|         | <b>ii. Implementation Level</b> – Annually demonstrate effort.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|         | <b>iii. Reporting</b> – In each Annual Report, each Permittee shall state the level of effort, describe the support given, state what efforts were undertaken and the results of these efforts, and provide an evaluation of the effectiveness of these efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|         | <b>C.7.f. School-Age Children Outreach</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|         | <b>i. Task Description</b> – Permittees shall individually or collectively implement outreach activities designed to increase awareness of stormwater and/or watershed message(s) in school-age children (K through 12).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                  |
|         | <b>ii. Implementation Level</b> – Implement annually and demonstrate effectiveness of efforts through assessment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | <b>iii. Reporting</b> – In each Annual Report, each Permittee shall state the level of effort, spectrum of children reached, and methods used, and provide an evaluation of the effectiveness of these efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
|         | <b>C.7.g. Outreach to Municipal Officials</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | <b>i. Task Description</b> – Permittees shall conduct outreach to municipal officials. One alternative means of accomplishing this is through the use of the Nonpoint Education for Municipal Officials program (NEMO) to significantly increase overall awareness of stormwater and/or watershed message(s) among regional municipal officials.                                                                                                                                                                                                                                                                                                                                                           | B                  |
|         | <b>ii. Implementation Level</b> – At least once per permit cycle, or more often.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                  |
|         | <b>iii. Reporting</b> – Permittees shall summarize efforts in the 2020 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B                  |
|         | <b>C.8. Water Quality Monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | <b>C.8.a. Compliance Options</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|         | All Permittees shall comply with all the monitoring requirements in this Provision. Permittees may choose any of the following mechanisms, or a combination of these mechanisms, to meet the monitoring requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | <b>i. Regional Collaboration.</b> Permittees are encouraged to continue contributing to the Regional Monitoring Collaborative (RMC), which coordinates water quality monitoring conducted by all the Permittees. Permittees are encouraged to consider and assign additional duties to the RMC for purposes of increased efficiencies, particularly, but not limited to, reporting duties.                                                                                                                                                                                                                                                                                                                 | D                  |
|         | <b>ii. Area-wide Stormwater Program.</b> Permittees may contribute to their countywide or area-wide Stormwater Program, so that the Stormwater Program conducts monitoring on behalf of its members.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | <b>iii. Third-party Monitoring.</b> Permittees may use data collected by a third-party organization, such as the Water Board or Department of Pesticide Regulation, to fulfill a monitoring requirement, provided the data are demonstrated to meet the data quality objectives described in Provision C.8.b.                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
|         | <b>C.8.b. Monitoring Protocols and Data Quality</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |

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|         | Where applicable, monitoring data must be Surface Water Ambient Monitoring Program (SWAMP) comparable. Minimum data quality shall be consistent with the latest version of the SWAMP Quality Assurance Project Plan (QAPrP) for applicable parameters, including data quality objectives, field and laboratory blanks, field duplicates, laboratory spikes, and clean techniques, using the most recent SWAMP Standard Operating Procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
|         | <b>C.8.c. San Francisco Estuary Receiving Water Monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|         | With limited exceptions, urban runoff from the Permittees' jurisdictions ultimately discharges to the San Francisco Estuary. Monitoring of the Estuary is intended to answer questions <sup>21</sup> such as: <ul style="list-style-type: none"> <li>• Are chemical concentrations in the Estuary potentially at levels of potential concern and are associated impacts likely?</li> <li>• What are the concentrations and masses of contaminants in the Estuary and its segments?</li> <li>• What are the sources, pathways, loadings, and processes leading to contaminant related impacts in the Estuary?</li> <li>• Have the concentrations, masses, and associated impacts of contaminants in the Estuary increased or decreased?</li> </ul>                                                                                                                                                                                   | D                  |
|         | • What are the projected concentrations, masses, and associated impacts of contaminants in the Estuary?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
|         | The Permittees shall participate in implementing an Estuary receiving water monitoring program, at a minimum equivalent to the San Francisco Estuary Regional Monitoring Program by contributing their fair-share financially on an annual basis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D                  |
|         | <b>C.8.d. Creek Status Monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | Creek status monitoring is intended to assess the chemical, physical, and biological impacts of urban runoff on receiving waters. In particular, the monitoring required by this provision is intended to answer the following questions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | <ul style="list-style-type: none"> <li>• Are water quality objectives, both numeric and narrative, being met in local receiving waters, including creeks, rivers and tributaries?</li> <li>• Are conditions in local receiving waters supportive of or likely to be supportive of beneficial uses?</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | <b>i. Biological Assessment including Nutrients and General Water Quality Parameters</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|         | (1) Field and Laboratory Method – The Permittees shall conduct biological assessments (also referred to herein as bioassessments) in accordance with SWAMP Standard Operating Procedures <sup>22,23,24</sup> and shall include collection and reporting of in-stream biological and physical habitat data according to the SWAMP Standard Operating Procedures for Bioassessment, <sup>3</sup> including benthic algae, benthic macroinvertebrates, water chemistry, and full characterization of physical habitat. The bioassessment sampling method shall be multihabitat reach-wide. For algae, the assessment shall include all analytes in the protocol, including diatom and soft algae taxonomy, biomass (ash-free dry weight), chlorophyll a, pebble count algae information, and reach-wide algal percent cover. Physical Habitat (PHab) Assessment shall include the SWAMP full physical habitat characterization method. | D                  |
|         | (2) The sampling crew shall be trained by a SWAMP-approved trainer and possess a Scientific Collection Permit from the California Department of Fish and Wildlife and participate in a SWAMP-approved inter-calibration exercise at least once in the Permit term. The Permittee may, but is not required to, modify its sampling procedures if these referenced procedures change during the Permit term. In such case, the Permittee shall notify the Water Board and follow the updated SWAMP procedures.                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
|         | (3) Macroinvertebrates shall be identified and classified according to the Standard Taxonomic Effort (STE) Level I of the Southwestern Association of Freshwater Invertebrate Taxonomists (SAFIT) <sup>25</sup> (except Chironomids should be identified to subfamily) using a fixed count of 600 organisms per sample. The laboratory shall follow the SWAMP Standard Operating Procedures for Laboratory Processing and Identification of Benthic Macroinvertebrates in California. <sup>26</sup> Soft-bodied algae and diatom algae shall be identified to the species level. Algae identifications must be harmonized with the SWAMP master taxa list. All quality assurance and quality control steps specified in the SWAMP Quality Assurance Program Plan <sup>1</sup> shall be performed.                                                                                                                                   | D                  |

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|         | (4) The Permittees shall measure general water quality parameters using a sonde and collect nutrient samples at a site when biological samples are collected. The general water quality parameters shall include temperature, dissolved oxygen, pH, and specific conductance. Nutrients samples shall be analyzed for total ammonia, nitrate, nitrite, total Kjeldahl nitrogen, total nitrogen (calculated), dissolved orthophosphate and total phosphorous, silica, and                                                                                                                                                                                                                                 | D                  |
|         | (5) In conducting the required bioassessment monitoring, the Permittees shall take precautions to prevent the introduction or spread of aquatic invasive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | (6) Sample Design/Locations – The Permittees shall continue to use the probabilistic sample design developed in the previous Permit term to select sample locations. Also, Permittees shall continue to use the sampling site order and the rationale to exclude potential sites as previously defined by the sample design and reconnaissance standard operating procedures. After a statistically representative data set (i.e., approximately 30 samples) has been collected to address management questions related to condition of aquatic life, Permittees may select up to 20% of sample locations on a targeted basis to evaluate temporal trends in or other impacts to aquatic life condition. | D                  |
|         | (7) Frequency, Timeframe and Number of Sites – Sampling shall occur once per year during the appropriate index period (April 15-June 30) with consideration of antecedent rainfall. Sampling is a one-time grab sample for biological communities, nutrients, and general water quality collected on the same day. The Permittees shall collect at least the minimum number of samples as shown below:                                                                                                                                                                                                                                                                                                   | D                  |
|         | Sampling Agency Minimum Number of Samples<br>Alameda Permittees 20 per year<br>Santa Clara Permittees 20 per year<br>Contra Costa Permittees 10 per year<br>San Mateo Permittees 10 per year<br>Fairfield-Suisun Permittees 8 per 5-year period<br>Vallejo Permittees 4 per 5-year period                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
|         | (8) Followup – Sites scoring less than 0.795 according to the California Stream Condition Index <sup>27</sup> (CSCI) are appropriate for a Stressor Source Identification (SSID) project as defined in C.8.e. Such a score indicates a substantially degraded biological community relative to reference conditions. Sites where there is a substantial difference in CSCI score observed at a location relative to upstream or downstream sites are also appropriate for a SSID project. If many samples show a degraded biological condition, sites where water quality is most likely to cause and contribute to this degradation may be prioritized by the Permittee for a SSID project.             | D                  |
|         | <b>ii. Chlorine</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|         | (1) Field and Laboratory Method – Permittees shall collect a grab sample and analyze for free and total chlorine using methods specified in the BASMAA Regional Monitoring Coalition Creek Status Monitoring Program Standard Operating Procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | (2) Sample Design/Locations – Sample locations may be selected by the Permittees to monitor locations near known or suspected potable water line breaks; to coincide with bioassessment sites; to coincide with creek restoration sites; or to resample a location where chlorine has been found in the past.                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | (3) Frequency, Timeframe, and Number of Samples – Samples shall be collected in spring or summer. Vallejo and Fairfield-Suisun Permittees each shall collect their samples by the end of the second year of the permit term. The Permittees shall collect at least the minimum number of samples as shown                                                                                                                                                                                                                                                                                                                                                                                                | D                  |

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|         | Sampling Agency Minimum Number of Locations Sampled<br>Alameda Permittees 20 per year<br>Santa Clara Permittees 20 per year<br>Contra Costa Permittees 10 per year<br>San Mateo Permittees 10 per year<br>Fairfield-Suisun Permittees 8 per 5-year period<br>Vallejo Permittees 4 per 5-year period                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | (4) Followup – The Permittees shall immediately resample if the chlorine concentration is greater than 0.1 mg/L. If the resample is still greater than 0.1 mg/L, then Permittees shall report the observation to the appropriate Permittee central contact point for illicit discharges so that the illicit discharge staff can investigate and abate the associated discharge in accordance with its Provision C.5.e - Spill and Dumping Complaint Response Program.                                                                                                                                                                         | D                  |
|         | <b>iii. Temperature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | (1) Field Method – The Permittees shall monitor temperature of their streams using a digital temperature logger or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
|         | (2) Sample Design/Locations – The Permittees shall monitor stream reaches that are documented to support cold water fisheries and where either past data or best professional judgment indicates that temperatures may negatively affect that beneficial use.                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | (3) Frequency, Timeframe and Number of Sites – Loggers shall be installed so that water temperatures are recorded at 60-minute intervals from April through September at the number of sites specified below. Vallejo and Fairfield-Suisun Permittees each shall collect their samples by the end of the second year of the permit term. The Permittees shall collect at least the minimum number of samples as shown below:                                                                                                                                                                                                                  | D                  |
|         | Sampling Agency Minimum Number of Stream Reaches Sampled<br>Alameda Permittees 8 per year<br>Santa Clara Permittees 8 per year<br>Contra Costa Permittees 4 per year<br>San Mateo Permittees 4 per year<br>Fairfield-Suisun Permittees 2 per 5-year period<br>Vallejo Permittees 2 per 5-year period                                                                                                                                                                                                                                                                                                                                          | D                  |
|         | (4) Followup – The Permittees shall identify a site for which results at one sampling station exceed the applicable temperature trigger or demonstrate a spike in temperature with no obvious natural explanation as a candidate SSID project. The temperature trigger is defined as when two or more weekly average temperatures exceed the Maximum Weekly Average Temperature of 17.0°C for a Steelhead stream, or when 20% of the results at one sampling station exceed the instantaneous maximum of 24°C. 28 Permittees shall calculate the weekly average temperature by breaking the measurements into non-overlapping, 7-day periods. | D                  |
|         | <b>iv. Continuous Monitoring of Dissolved Oxygen, Temperature, and pH</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |

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|         | (1) Field and Laboratory Method – The Permittees shall monitor general water quality parameters of streams using a water quality sonde or equivalent. Parameters shall include dissolved oxygen (mg/L and % saturation), pH, specific conductance (µS), and temperature (°C).                                                                                                                                                                                                                                                                                                                                                          | D                  |
|         | (2) Sample Design/Locations – The Permittees shall monitor stream reaches that are documented to support cold water fisheries or where either past data or best professional judgment indicates that temperature may negatively affect the cold water beneficial use.                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | (3) Frequency, Timeframe, and Number of Sites – The Permittees shall install sondes so that parameters are recorded at 15-minute intervals over 1-2 weeks in the spring concurrent with bioassessment sampling and 1-2 weeks in summer at the same sites. The Permittees shall monitor at least the minimum number of sites as shown below:                                                                                                                                                                                                                                                                                            | D                  |
|         | Sampling Agency Minimum Number of Sample Sites in Spring Minimum # of Sample Sites in Summer<br>Alameda Permittees 3 per year 3 per year<br>Santa Clara Permittees 3 per year 3 per year<br>Contra Costa Permittees 2 per year 2 per year<br>San Mateo Permittees 2 per year 2 per year<br>Fairfield-Suisun Permittees 2 per permit term 2 per 5-year period<br>Vallejo Permittees 2 per permit term 2 per 5-year period                                                                                                                                                                                                               | D                  |
|         | (4) Followup – When results at one sampling station exceed the applicable temperature or dissolved oxygen trigger or demonstrate a spike in temperature or drop in dissolved oxygen with no obvious natural explanation, the Permittees shall identify that sample site as a candidate SSID project. The Permittees shall calculate the weekly average temperature and dissolved oxygen by separating the measurements into non-overlapping, 7-day periods. The temperature trigger is defined as any of the following:                                                                                                                | D                  |
|         | a. Maximum Weekly Average Temperature exceeds 17.0°C for a Steelhead stream, or 20 percent of the instantaneous results exceed 24°C8;<br>b. 20 percent of instantaneous pH results are < 6.5 or > 8.5;<br>c. 20 percent of the instantaneous specific conductance results are > 2000µS, or there is a spike in readings with no obvious natural explanation; or                                                                                                                                                                                                                                                                        | D                  |
|         | d. 20 percent of instantaneous dissolved oxygen results are < 7 mg/L in a cold water fishery stream.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D                  |
|         | <b>v. Pathogen Indicators</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (1) Field and Laboratory Method – The Permittees shall collect and analyze samples for Enterococci and E. coli in accordance with the most recent U.S. EPA protocols. <sup>29</sup><br>(2) Sample Design/Locations – The Permittees shall collect one or more samples in a creek and at an area where water-contact recreation is likely or at an opportunistic location where there is potential to detect leaking sewerage infrastructure.<br>(3) Frequency, Timeframe and Number of Sites – The Permittees shall collect samples in the dry season. Permittees shall collect at least the minimum number of samples as shown below: | D                  |

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| Sampling Agency Minimum Number of Sample Sites<br>Alameda Permittees 5 per year<br>Santa Clara Permittees 5 per year<br>Contra Costa Permittees 5 per year<br>San Mateo Permittees 5 per year<br>Fairfield-Suisun Permittees 3 per 5-year period<br>Vallejo Permittees 3 per 5-year period                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| (4) Followup – If U.S. EPA’s statistical threshold value30 for 36 per 1000 primary contact recreators is exceeded, the water body reach shall be identified as a candidate SSID project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
| <b>C.8.e. Stressor/Source Identification (SSID) Projects</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
| When any monitoring result triggers a candidate for a SSID project followup as indicated within the provisions of C.8.d and C.8.g, the Permittees shall take the following actions, as also required by Provision C.1. If the trigger stressor or source is already known, the Permittee(s) shall take appropriate followup action to reduce the water quality stressor or source and count this action as a completed SSID Project.<br>SSID projects are intended to be oriented toward taking action(s) to alleviate stressors and reduce sources of pollutants; thus the Permittees shall attempt to complete all steps for half their required SSID projects, at a minimum, during the permit term. | D                  |
| i. Review monitoring (C.8.d and C.8.g) results annually and maintain a list of all results exceeding thresholds described therein. Pollutant of Concern Monitoring (C.8.f) results may be included on the list as appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
| ii. Select followup SSID projects from the list developed in C.8.e.i. based on criteria such as magnitude of threshold exceedance; parameter (for a variety of parameters); likelihood stormwater management action(s) could address the exceedance; and similar priorities.                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
| (1) Permittees who conduct SSID projects through a regional collaborative shall collectively initiate a minimum of eight new SSID projects (minimum of one for toxicity) during the Permit term. Because these SSID projects are being conducted through a regional collaborative, all SSID project reports shall be presented in a unified, regional-level report when submitted to the Water Board. In the case that no sample exhibits toxicity, as defined within the method required in this section, during the permit term, a SSID project for toxicity is not required.                                                                                                                         | D                  |
| (2) If conducted through a countywide Stormwater Program, the Santa Clara and Alameda Permittees each shall be required to initiate five (minimum of one for toxicity) SSID projects; the Contra Costa and San Mateo Permittees each shall be required to initiate three SSID (one for toxicity) projects; and the Fairfield-Suisun and Vallejo Permittees each shall be required to initiate one SSID project(s) during the Permit term. In the case that no sample exhibits toxicity, as defined within the method required in this section, within a countywide program area during the permit term, a SSID project for toxicity is not                                                              | D                  |
| iii. The Permittees shall conduct site specific SSID project(s) (or non-site specific if the problem is wide-spread) in the stepwise process described below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
| (1) Step 1: The Permittees shall develop a work plan for each SSID project and submit the work plans with the Urban Creeks Monitoring Report (UCMR) such that a minimum of half the required number of SSID projects are started (at a minimum, have a workplan) by the third year of the permit term, with the goal of completing Step 2, at a minimum, for half the required SSID projects within the permit term. The work plan shall:                                                                                                                                                                                                                                                               | D                  |



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|  | (a) Define the problem (e.g., magnitude and temporal and geographic extent) to the extent known;<br>(b) Describe the SSID project objectives, including the management context within which the results of the investigation will be used;<br>(c) Consider the problem within a watershed context and look at multiple types of related indicators, where possible (e.g., basic water quality data and biological assessment results);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D |
|  | (d) List candidate causes of the problem (e.g., biological stressors, pollutant sources, and physical stressors);<br>(e) Establish a schedule for investigating the cause(s) of the trigger stressor/source to begin upon completion of the workplan. Investigations may include evaluation of existing data, desktop analyses of land uses and management actions, and/or collection of new data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D |
|  | (f) Conduct a site specific study (or non-site specific if the problem is wide-spread) in a stepwise process to identify and isolate the cause(s) of the trigger stressor/source. This study should follow guidance for Toxicity Reduction Evaluations (TRE) or Toxicity Identification Evaluations (TIE)18. A TRE, as adapted for urban stormwater, allows Permittees to use other sources of information (such as industrial facility stormwater monitoring reports) in attempting to determine the trigger cause, potentially eliminating the need for a TIE. If a TRE does not result in identification of the stressor/source, Permittees shall conduct a TIE. For toxicity studies where there is no chemical pollutant associated with the creek status monitoring sample exhibiting toxicity, a TIE should be conducted. Where chemical data indicate a pollutant, such as fipronil or a pyrethroid, is present at adverse effects levels in the sample location, it is not necessary to conduct a TIE, and the SSID project would be considered complete; | D |
|  | (g) For physical habitat, physiochemical pollutants (dissolved oxygen, pH, conductivity, temperature), nutrients, metals, and other stressors, the investigation shall generally follow Step 5 (Identify Probably Causes) of the Causal Analysis/Diagnosis Decision Information System (CADDIS); 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D |
|  | (h) For pathogen indicators, the study shall generally follow the California Microbial Source Identification Manual: A Tiered Approach to Identifying Fecal Pollution Sources to Beaches (2013) or equivalent process or method;32 and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D |
|  | (i) The Permittees may modify the SSID Work Plan in subsequent years of the Permit term in order to address new Creek Status (or POC) results that exceed applicable thresholds and are of a higher priority based on the criteria in C.8.e.ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D |
|  | (2) Step 2: The Permittees shall conduct SSID investigations according to the schedule in each SSID project work plan and shall report on the status of SSID investigations annually in the UCMR. Local stormwater Permittees shall be advised of the SSID project and consulted regarding possible local sources and potential management actions during the work plan phase and periodically throughout the SSID project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D |
|  | (3) Step 3: Follow-up actions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D |
|  | (a) When a Permittee(s) determines that discharges to its stormwater collection system(s) contribute to an exceedance of a water quality standard or an exceedance of a trigger threshold such that the water body's beneficial uses are not supported, the Permittee(s) shall submit a report in the UCMR that describes BMPs that are currently being implemented, and the current level of implementation, and additional BMPs that will be implemented, and/or an increased level of implementation, to prevent or reduce the discharge of pollutants that are causing or contributing to the exceedance of WQS. The report shall include an implementation schedule.                                                                                                                                                                                                                                                                                                                                                                                          | D |
|  | (b) If a Permittee(s) determines that discharges from its (their) stormwater collection system(s) are not contributing to an exceedance of a water quality standard, the Permittee(s) may end the SSID project. The Executive Officer must concur in writing before an SSID project is determined to be completed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D |
|  | In cases where SSID investigations prove inconclusive (e.g., the trigger threshold exceedance is episodic or reasonable methods do not reveal a stressor/source), the Permittee(s) may request that the Executive Officer consider the SSID project complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D |

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|         | (c) Reporting: The Permittees shall submit an SSID status report in each UCMR which summarizes the actions taken in C.8.e.i-iii above. The SSID status report shall include a running summary of all SSID projects (C.8.e.ii), including start date, brief problem definition, and schedule for each project. As projects progress, the SSID report shall describe findings and monitoring results and outline steps for the upcoming year for each ongoing project. The Permittees shall submit the SSID status report with each UCMR.                                                | D                  |
|         | iv. As long as Permittees have complied with the procedures set forth above, they do not have to repeat the same procedure for continuing or recurring exceedances of the same receiving water limitations unless directed to do so by the Water Board.                                                                                                                                                                                                                                                                                                                                | D                  |
|         | <b>C.8.f. Pollutants of Concern Monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | Pollutants of Concern (POC) monitoring is intended to assess inputs of POCs to the Bay from local tributaries and urban runoff, provide information to support implementation of TMDLs and other pollutant control strategies, assess progress toward achieving wasteload allocations for TMDLs and help resolve uncertainties associated with loading estimates and impairments associated with these pollutants.<br>In particular, monitoring required by this provision must be directed toward addressing the following five priority POC management information needs:            | D                  |
|         | <b>1. Source Identification</b> - identifying which sources or watershed source areas provide the greatest opportunities for reductions of POCs in urban stormwater runoff;                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | <b>2. Contributions to Bay Impairment</b> - identifying which watershed source areas contribute most to the impairment of San Francisco Bay beneficial uses (due to source intensity and sensitivity of discharge location);                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | <b>3. Management Action Effectiveness</b> - providing support for planning future management actions or evaluating the effectiveness or impacts of existing management actions;                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
|         | <b>4. Loads and Status</b> - providing information on POC loads, concentrations, and presence in local tributaries or urban stormwater discharges; and                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | <b>5. Trends</b> - evaluating trends in POC loading to the Bay and POC concentrations in urban stormwater discharges or local tributaries over time                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | Not all information needs apply to all POCs (see Table 8.2 below for details).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | <b>i. Sampling Methods</b> – The Permittees shall implement or cause to be implemented the monitoring components shown in Table 8.1 in order to address each of the five POC management information needs.                                                                                                                                                                                                                                                                                                                                                                             | D                  |
|         | <b>ii. Parameters and Monitoring Frequency</b> – The Permittees shall conduct POC monitoring consistent with the monitoring intensity and frequency specified in Table 8.2. Monitoring frequencies are described as the total and minimum number of samples that Permittees within a countywide Stormwater Program shall collectively collect and analyze in a Water Year (October 1 – September 30). Minimum number of samples that Permittees within a countywide Stormwater Program shall collect by the end of the Permit term to address each monitoring type are also specified. | D                  |

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|         | <p><b>a</b> This column indicates the total number of samples, across all applicable monitoring types (i.e., monitoring types 1-5 from Table 8.1), that must be collected during the permit term. The number in parentheses indicates the minimum number of samples that must be collected, across all applicable monitoring types, during each of the five years of the permit. For example, 80 total samples must be collected for both total PCBs and mercury by each set of Santa Clara County, San Mateo County, Alameda County, and Contra Costa County Permittees during the term of the permit. Permittees must collect a minimum of 8 PCBs samples every year of the permit term, including the final year.</p> <p><b>b</b> This column indicates the monitoring types from Table 8.1 that are applicable to this POC along with the minimum number of samples that shall be collected by each set of Permittees (i.e., Santa Clara County, San Mateo County, Alameda County, and Contra Costa County) by the end of year four of the permit. The applicable monitoring type(s) is also stated to illustrate the management information need(s) motivating the collected data. For example, each set of Permittees (i.e., the Countywide Programs for Santa Clara, San Mateo, Alameda, and Contra Costa counties) must collect and analyze at least 8 samples to address monitoring types 1-5 in Table 8.1 for both total PCBs and total mercury. Some collected samples may address multiple management questions.</p> <p><b>c</b> The Permittees shall conduct or cause to be conducted a special study that addresses relevant management information needs for emerging contaminants. The special study must account for relevant CECs in stormwater and would address at least PFOS, PFAS, and alternative flame retardants being used to replace PBDEs.</p> | D                  |
|         | <b>d</b> Total Organic Carbon (TOC) data are not used independently. Rather, TOC can be useful for normalizing PCBs data collected in water and sediment. TOC shall be collected concurrently with PCBs data that should be normalized to TOC. Similarly, suspended sediment concentrations (SSC) samples should be collected and analyzed when water samples are collected that will be used to assess loads, loading trends, or BMP effectiveness for PCBs and Mercury. Hardness data are used in conjunction with copper concentrations collected in fresh water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | <b>iii. POC Parameters and Analytical Methods</b> – Samples collected consistent with Table 8.2 shall be analyzed for parameters listed in Table 8.3. Where no laboratory method is listed in Table 8.3, Permittees shall use U.S. EPA or SWAMP-approved methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
|         | <b>C.8.g. Pesticides and Toxicity Monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | The Permittees shall conduct wet weather and dry weather monitoring of pesticides and toxicity in urban creeks. If a statewide coordinated pesticides and pesticides- related toxicity monitoring program begins collecting data on an ongoing basis during the Permit term, Permittees may request the Executive Officer modify, reduce or eliminate this monitoring requirement, provided the resultant change, viewed in context of the statewide program, would result in overall improvement of pesticide monitoring data collection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | <b>i. Toxicity in Water Column - Dry Weather</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |

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|  | (1) Field and Laboratory Method – The Permittees shall collect grab samples of receiving water using applicable SWAMP comparable methodology. These samples shall be analyzed for the test organisms listed, and by the methods described, on Table 8.4. Toxicity shall be evaluated using the Test of Significant Toxicity (TST) statistical approach. <sup>33</sup> Each sample shall be subject to determination of “Pass” or “Fail” and shall indicate “Percent Effect” from toxicity using nondiluted samples. The TST null hypothesis shall be “mean sample response $\leq 0.75 \times$ mean control response.” A test result that rejects this null hypothesis shall be reported as “Pass.” A test result that does not reject this null hypothesis shall be reported as “Fail.” The relative “Percent Effect” of the sample is defined and reported as: $((\text{Mean control response} - \text{Mean sample response}) \div \text{Mean control response}) \times 100$ . | D |
|  | (2) Sample Design/Locations – Sample locations may be selected by the Permittees to monitor locations where toxicity could be likely; to coincide with bioassessment sites; to coincide with creek restoration sites; or to resample a location where toxicity has been found in the past.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D |
|  | (3) Frequency, Timeframe and Number of Sites – The Permittees shall collect samples annually in the dry season. Vallejo and Fairfield-Suisun Permittees each shall collect their sample by the end of the second water year of the permit term. The Permittees shall collect at least the minimum number of samples as shown below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D |
|  | <b>ii. Toxicity, Pesticides and Other Pollutants in Sediment - Dry Weather</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
|  | (1) Field and Laboratory Method – The Permittees shall collect grab samples of creek sediment using applicable SWAMP comparable methodology. These samples shall be analyzed for the pollutants and organisms listed and by the methods described on Table 8.5. Where no laboratory method is listed in Table 8.5, Permittees shall use U.S. EPA or SWAMP-approved methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D |
|  | (2) Sample Design/Locations – Samples shall be collected at fine-grained depositional locations. Such sample locations may be selected by the Permittees to monitor locations where toxicity could be likely, to coincide with bioassessment sites, or to resample a location where toxicity has been found in the past, for example.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D |
|  | (3) Frequency, Timeframe, and Number of Sites – The Permittees shall collect samples annually during the dry season. Vallejo and Fairfield-Suisun Permittees each shall collect their sample by the end of the second year of the permit term. Permittees shall collect at least the minimum number of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D |
|  | <b>iii. Wet Weather Pesticides and Toxicity Monitoring</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
|  | (1) Field and Laboratory Method – The Permittees shall collect water column samples and analyze them for the following parameters using the methods specified in Tables 8.4 and 8.5. For imidacloprid, Permittees shall specify an analytical method that achieves a reporting level as close to 0.05 ppb as possible, but in no case exceeds 0.1 ppb).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D |
|  | <ul style="list-style-type: none"> <li>• Pyrethroids: bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin</li> <li>• Imidacloprid</li> <li>• Indoxacarb<sup>38</sup></li> <li>• Fipronil</li> <li>• Toxicity</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D |
|  | (2) Sample Design/Locations – The Permittees shall collect samples annually during storm events. Sample locations shall be representative of urban watersheds (i.e., bottom of watershed locations).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D |
|  | (3) Frequency, Timeframe, and Number of Sites – If this (C.8.g.iii) sampling is conducted by the RMC on behalf of all Permittees, a total of ten (10) samples shall be collected over the Permit term, with a minimum of six (6) samples collected by the end of the third water year of the permit term. If this (C.8.g.iii)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D |
|  | sampling is conducted by Countywide Stormwater Programs, Permittees shall collect at least the minimum number of samples as shown below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D |
|  | <b>iv. Followup</b> – The Permittees shall identify a site as a candidate SSID project when analytical results indicate any of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D |

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| (1) A toxicity test of growth, reproduction, or survival of any test organism is reported as "fail" in both the initial sampling and a second, followup sampling, and both have $\geq 50\%$ Percent Effect;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
| (2) A pollutant is present at a concentration exceeding its water quality objective in the Basin Plan;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
| (3) For pollutants without WQOs, results exceed Probable Effects Concentrations or Threshold Effects Concentrations. <sup>39</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                  |
| <b>C.8.h. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
| <b>i. Water Quality Standard Exceedence</b> – When data collected pursuant to C.8.a.- C.8.g. indicate that discharges are causing or contributing to an exceedence of an applicable water quality standard, the Permittees shall notify the Water Board within no more than 30 days of such a determination and submit a followup report in accordance with Provision C.1 requirements. This reporting requirement shall not apply to continuing or recurring exceedences of water quality standards previously reported to the Water Board or to exceedences of pollutants that are to be addressed pursuant to Provisions C.9 through C.14 of this Order, consistent with Provision C.1. | D                  |
| <b>ii. Electronic Reporting</b> – The Permittees shall submit to the California Environmental Data Exchange Network (CEDEN) all results from monitoring conducted pursuant to Provisions C.8.d. Creek Status, C.8.e. SSID Projects (as applicable), C.8.f. Pollutants of Concern and C.8.g. Pesticides and Toxicity. Data that CEDEN cannot accept are exempt from this requirement.                                                                                                                                                                                                                                                                                                       | D                  |
| (1) Data shall be submitted in SWAMP formats and with the quality controls required by CEDEN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| (2) Data collected during the previous October 1–September 30 period shall be submitted by March 31 of each year.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
| <b>iii. Urban Creeks Monitoring Report</b> – The Permittees shall submit a comprehensive Urban Creeks Monitoring Report no later than March 31 of each year, reporting on all data collected during the foregoing October 1–September 30 period. Each Urban Creeks Monitoring Report shall contain summaries of Creek Status, SSID Projects, and Pollutants of Concern Monitoring including, as appropriate, the following:                                                                                                                                                                                                                                                                | D                  |
| (1) Immediately following the Table of Contents, a completed Water Year Summary Table that lists each Program's monitoring sites, with a row for each site. The table columns contain: Site ID; creek name; land use; latitude; longitude; bioassessment, nutrient; chlorine; water column toxicity; sediment toxicity and chemistry; pathogens; temperature loggers; and general water quality (sonde data). For each site, list the site information and check the parameters sampled at that site. This will provide a summary of all Creek Status Monitoring conducted that water year.                                                                                                | D                  |
| (2) An SSID status report pursuant to Provision C.8.e.iv.<br>(3) For all data, a statement of the data quality.<br>(4) An analysis of the data, which shall include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                  |
| (a) Identification and analysis of any trends in stormwater or receiving water quality which shall include:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D                  |
| <ul style="list-style-type: none"> <li>• Calculations of CSCI scores and physical habitat endpoints;</li> <li>• Comparison of CSCI scores to: <ul style="list-style-type: none"> <li>• Each other;</li> <li>• Any applicable, available reference site(s); and</li> <li>• Physical habitat endpoints.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                               | D                  |
| (b) A discussion of the data for each monitoring program component, which shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |

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|         | <ul style="list-style-type: none"> <li>• Discuss monitoring data relative to prior conditions, beneficial uses and applicable water quality standards as described in the Basin Plan, the Ocean Plan, or the California Toxics Rule or other applicable water quality control plans;</li> <li>• Where appropriate, develop hypotheses to investigate regarding pollutant sources, trends, and BMP effectiveness;</li> <li>• Identify and prioritize water quality problems;</li> <li>• Identify potential sources of water quality problems;</li> <li>• Describe followup actions;</li> <li>• Evaluate the effectiveness of existing control measures; and</li> <li>• Identify management actions needed to address water quality problems.</li> </ul> | D                  |
|         | <b>iv. Pollutants of Concern Monitoring Reports</b> – By October 15 of each year of the permit (beginning in 2016), the Permittees shall submit a report describing the allocation of sampling effort for POC monitoring for the forthcoming year (i.e., the water year that began October 1 of that year) and what was accomplished for POC monitoring during the preceding water year. The report shall include (for preceding year and projected for forthcoming year): monitoring locations, number and types of samples collected, purpose of sampling (management question addressed), and analytes measured. Any data not reportable to CEDEN should be included in the following Urban Creeks Monitoring Report due annually on March 31.      | D                  |
|         | <b>v. Integrated Monitoring Report</b> – No later than March 31 of the fifth year of the Permit term, Permittees shall submit an Integrated Monitoring Report in lieu of the annual Urban Creeks Monitoring Report. This report will be part of the next Report of Waste Discharge for the reissuance of this Permit. The Integrated Monitoring Report shall report on all the data collected since the previous Integrated Monitoring Report and shall contain the following:                                                                                                                                                                                                                                                                         | D                  |
|         | (1) The Water Year Summary Table, as described in Provision C.8.h.iii, containing information pertaining to the fourth year monitoring data;<br>(2) A comprehensive analysis of all data collected pursuant to Provision C.8. since the previous Integrated Monitoring Report, and may include other pertinent studies;<br>(3) For POCs, the report shall include methods, data, calculations, load estimates, and source estimates for each POC parameter, as applicable; and<br>(4) The Integrated Monitoring Report shall include a budget summary for each monitoring requirement and recommendations for future monitoring.                                                                                                                       | D                  |
|         | <b>vi. Standard Report Content</b> – All monitoring reports shall include the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |

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|         | <p>(1) The purpose of the monitoring and briefly describe the study design rationale;</p> <p>(2) Quality Assurance/Quality Control summaries for sample collection and analytical methods, including a discussion of any limitations of the data;</p> <p>(3) Brief descriptions of sampling protocols and analytical methods;</p> <p>(4) Sample location description, including water body name and segment and latitude and longitude coordinates;</p> <p>(5) Sample ID, collection date (and time if relevant), media (e.g., water, filtered water, bed sediment, tissue);</p> <p>(6) Concentrations detected, measurement units, and detection limits;</p> <p>(7) Assessment, analysis, and interpretation of the data for each monitoring program component;</p> <p>(8) A listing of volunteer and other non-Permittee entities whose data are included in the report; and</p> <p>(9) Assessment of compliance with applicable water quality standards</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
|         | <b>C.9. Pesticides Toxicity Control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | To prevent the impairment of urban streams by pesticide-related toxicity, the Permittees shall implement a pesticide toxicity control program that addresses, within their jurisdictions, their own and others' use of pesticides that pose a threat to water quality and that have the potential to enter the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
|         | This provision implements requirements of the TMDL for Diazinon and Pesticide- Related Toxicity for Urban Creeks in the region. The TMDL includes urban runoff allocations for Diazinon of 100 ng/l and for pesticide-related toxicity of 1.0 Acute Toxicity Units (TUa) and 1.0 Chronic Toxicity Units (TUC) to be met in urban creek waters. U.S. EPA phased out urban uses of diazinon in the mid-2000s, and diazinon is no longer detected in urban creeks in the region. Pesticide-related toxicity continues to occur, because State and federal pesticide regulatory programs, as currently implemented, allow pesticides to be used in ways that cause or contribute to aquatic toxicity. In adopting the TMDL implementation plan, the Water Board recognized that (1) Permittees must control their own use of pesticides, but Permittees are not solely responsible for attaining the allocations, because their authority to regulate others' pesticide use is constrained by federal and State law; and (2) because a realistic date for achieving allocations cannot be discerned given the current framework for pesticide regulation, reviewing the implementation strategy every five years, at permit reissuance, is the appropriate timeline. Accordingly, the Permittees' requirements for addressing the allocations are set forth in the TMDL implementation plan and are included in this provision. | B                  |
|         | Urban-use pesticides of concern to water quality include: diamides (chlorantraniliprole and cyantraniliprole); diuron, fipronil and its degradates; indoxacarb; organophosphorous insecticides (chlorpyrifos, diazinon, and malathion); pyrethroids (metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda- cyhalothrin, and permethrin); and carbamates (e.g., carbaryl and aldicarb).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
|         | <b>C.9.a. Maintain and Implement an Integrated Pest Management (IPM) Policy or Ordinance and Standard Operating Procedures</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | All Permittees have developed a pesticide toxicity control program for use of pesticides in municipal operations and on municipal property based on the concepts of IPM40 and have adopted an IPM policy or ordinance and standard operating procedures to implement the policy or ordinance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | B                  |
|         | <b>i. Task Description</b> – The Permittees shall implement their IPM policies or ordinances and standard operating procedures and update their IPM policies or ordinances and standard operating procedures as needed to ensure their use of pesticides do not cause or contribute to pesticide-caused toxicity in receiving waters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
|         | <b>ii. Implementation</b> - Each Permittee shall require municipal employees and contractors to adhere to its IPM policy or ordinance and standard operating procedures in all the Permittee's municipal operations and on all municipal property.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | (1) In their Annual Reports, the Permittees shall certify they are implementing their IPM policy or ordinance and standard operating procedures, report trends in quantities and types of pesticide active ingredients used, and explain any increases in use of pesticides of concern to water quality as listed in the introduction section of this Provision. Trends and quantities of pesticide active ingredient usage shall be reported beginning with the September 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |

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|         | (2) In their Annual Reports, the Permittees shall provide a brief description (e.g., one or two sentences) of two IPM tactics or strategies implemented in the reporting year. Examples could include non-chemical strategies such as monitoring, mowing weeds, mulching, and redesign of problematic landscapes; preventive actions such as sealing holes and gaps in structures, improving sanitation, and outreach to employees about how their actions contribute to pest presence; and examples of integration of several strategies into a cohesive whole, such as tackling a rat problem by educating building occupants, improving sanitation, trimming trees away from buildings, sealing holes in the structure, and trapping rodents. To the extent possible, different IPM actions should be described each year, so that a range of IPM actions is described over the permit term. | B                  |
|         | (3) IPM policies or ordinances and IPM standard operating procedures shall be submitted to the Water Board upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
|         | <b>C.9.b. Train Municipal Employees</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | <b>i. Task Description</b> – The Permittees shall ensure that all municipal employees who, within the scope of their duties, apply or use pesticides are trained in IPM practices and the Permittee’s IPM policy or ordinance and standard operating procedures. This training may also include other training opportunities such as Bay-Friendly Landscape Maintenance Training & Qualification Program, provided both structural and landscape pest control training are provided.                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
|         | <b>ii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|         | (1) In their Annual Reports, the Permittees shall report the percentage of municipal employees who apply pesticides who have received training in their IPM policy or ordinance and IPM standard operating procedures within the last year. This report shall briefly describe the nature of the training, such as tailgate training provided by a Permittee’s IPM coordinator, IPM training through the Pesticide Applicators Professional Association, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                  |
|         | (2) The Permittees shall submit training materials (e.g., course outline, date, and list of attendees) upon request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
|         | <b>C.9.c. Require Contractors to Implement IPM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | <b>i. Task Description</b> – The Permittees shall hire IPM-certified contractors or include contract specifications requiring contractors to implement IPM, so that all contractors practice IPM on municipal properties. The Permittees shall observe contractor pesticide applications to verify that contractors implement their contract specifications in accordance with the Permittee’s IPM policies or ordinance and standard operating procedures. Permittees shall note that contractor certification as a pest control advisor (PCA) alone is not evidence of IPM implementation. Similarly, IPM certifications awarded to a pest control company may not guarantee an individual employee will always use IPM strategies. Thus, periodic Permittee observation of contractor performance is                                                                                         | B                  |
|         | <b>ii. Implementation</b> – Permittees shall periodically monitor their contractors’ activities to verify full implementation of IPM techniques. This shall include, at a minimum, evaluation of lists of pesticides and amounts of active ingredient used.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
|         | <b>iii. Reporting</b> – In their Annual Reports, the Permittees shall state how they verified contractor compliance with IPM policies and any actions taken or needed to correct contractor performance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                  |
|         | <b>C.9.d. Interface with County Agricultural Commissioners</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | B                  |
|         | <b>i. Task Description</b> – The Permittees shall maintain communications with county agricultural commissioners to (a) get input and assistance on urban pest management practices and use of pesticides, (b) inform them of water quality issues related to pesticides, and (c) report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire ( <a href="http://www.cdpr.ca.gov/docs/legbills/rulepkgs/11-004/text_final.pdf">http://www.cdpr.ca.gov/docs/legbills/rulepkgs/11-004/text_final.pdf</a> ).                                                      | B                  |
|         | <b>ii. Reporting</b> – In their Annual Reports, the Permittees shall briefly describe the communications they have had with county agricultural commissioners and report followup actions to correct violations of pesticide regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
|         | <b>C.9.e. Public Outreach</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|         | <b>i. Task Description</b> – Permittees shall undertake outreach programs to (a) encourage communities within the Permittee’s jurisdiction to reduce their reliance on pesticides that threaten water quality; (b) encourage public and private landscape irrigation management that minimizes pesticide runoff; and (c) promote appropriate disposal of unused pesticides.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | <b>ii. Implementation</b> – The Permittees shall conduct each of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | (1) <b>Point of Purchase Outreach:</b> The Permittees shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |



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|         | <ul style="list-style-type: none"> <li>• Conduct outreach to consumers at the point of purchase;</li> <li>• Provide targeted information on proper pesticide use and disposal, potential adverse impacts on water quality, and less toxic methods of pest prevention and control; and</li> <li>• Participate in and provide resources for the “Our Water, Our World” program or a functionally-equivalent pesticide use reduction outreach program.</li> </ul>                                                                                                                                                                | D                  |
|         | <b>(2) Pest Control Contracting Outreach:</b> The Permittees shall conduct outreach to residents who use or contract for structural pest control and landscape professionals by (a) explaining the links between pesticide usage and water quality; and (b) providing information about IPM in structural pest management certification programs and landscape professional trainings; and (c) disseminating tips for hiring structural pest control operators and landscape professionals, such as the tips prepared by the University of California Extension IPM Program (UC-IPM).                                         | D                  |
|         | <b>(3) Outreach to Pest Control Professionals:</b> The Permittees shall conduct outreach to pest control operators, urging them to promote IPM services to customers and to become IPM-certified by Ecwise Certified or a functionally-equivalent certification program. Permittees are encouraged to work with the Pesticide Applicators Professional Association; the California Association of Pest Control Advisors; DPR; county agricultural commissioners; UC-IPM; BASMAA; EcoWise Certified Program (or functionally equivalent certification program); Bio-integral Resource Center and others to promote IPM to pest | D                  |
|         | <b>iii. Reporting</b> – In each Annual Report, Permittees shall describe their actions taken in the three outreach categories above. Outreach conducted at the county or regional level shall be described in Annual Reports prepared at that respective level; reiteration in individual Permittee reports is discouraged. Reports shall include a brief description of outreach conducted in each of the three categories, including level of effort, messages and target audience. (The effectiveness of outreach efforts shall be evaluated only once in the Permit term, as required in Provision C.9.f.).               | D                  |
|         | <b>C.9.f. Track and Participate in Relevant Regulatory Processes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | i. Task Description – The Permittees shall conduct the following activities, which may be done at a county, regional, or state wide level:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | (1) The Permittees shall track U.S. EPA pesticide evaluation and registration activities as they relate to surface water quality and, when necessary, encourage U.S. EPA to coordinate implementation of the Federal Insecticide, Fungicide, and Rodenticide Act and the CWA and to accommodate water quality concerns within its pesticide registration process;                                                                                                                                                                                                                                                             | D                  |
|         | (2) The Permittees shall track DPR pesticide evaluation activities as they relate to surface water quality and, when necessary, encourage DPR to coordinate implementation of the California Food and Agriculture Code with the California Water Code and to accommodate water quality concerns within its pesticide evaluation process;                                                                                                                                                                                                                                                                                      | D                  |
|         | (3) The Permittees shall assemble and submit information (such as monitoring data) as needed to assist DPR and county agricultural commissioners in ensuring that pesticide applications comply with WQS; and                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | (4) As appropriate, the Permittees shall submit comment letters on U.S. EPA and DPR re-registration, re-evaluation, and other actions relating to pesticides of concern for water quality.                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | <b>ii. Reporting</b> – In their Annual Reports, the Permittees shall summarize participation efforts, information submitted, and how regulatory actions were affected. Permittees who contribute to a county, regional, or state wide effort shall submit one report at the county or regional level. Duplicate reporting                                                                                                                                                                                                                                                                                                     | D                  |
|         | <b>C.9.g. Evaluate Implementation of Pesticide Source Control Actions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | i. Task Description – This task is necessary to gauge how effective the implementation actions taken by Permittees are in (a) achieving TMDL targets and (b) avoiding future pesticide-related toxicity in urban creeks. Once during the permit term, Permittees shall conduct a thoughtful evaluation of their IPM efforts, how effective these efforts appear to be, and how they could be improved.                                                                                                                                                                                                                        | D                  |

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|         | <b>ii. Implementation</b> – The Permittees shall evaluate the effectiveness of the pesticide control measures implemented by their staff and contractors, evaluate attainment of pesticide concentration and toxicity targets for water and sediment from monitoring data (collected by Permittees, research agencies, and/or State agencies), and identify additions and/or improvements to existing control measures needed to attain targets, with an                                                                                                                                                                                                                                                                            | D                  |
|         | <b>iii. Reporting</b> – In their 2019 Annual Reports, the Permittees shall submit this evaluation, which shall include an assessment of the effectiveness of their IPM efforts required in Provisions C.9.a-e and g; a discussion of any improvements made in these efforts in the preceding five years; and any changes in water quality regarding pesticide toxicity in urban creeks. This evaluation shall also include a brief description of one or more pesticide-related area(s) the Permittee will focus on enhancing during the subsequent permit term. Work conducted at the county or regional level shall be evaluated at that respective level; reiteration in individual Permittee evaluation reports is discouraged. | D                  |
|         | <b>C.10. Trash Load Reduction</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|         | The Permittees shall demonstrate compliance with Discharge Prohibition A.1, for trash discharges, Discharge Prohibition A.2, and trash-related Receiving Water Limitations through the timely implementation of control measures and other actions to reduce trash loads from municipal separate storm sewer systems in accordance with the requirements of this provision. Flood management agencies are not subject to these trash reduction requirements except for continued implementation of requirements for trash full capture systems and Trash Hot Spot cleanups, as specified in subsections C.10.b.i and C.10.c.                                                                                                        | B                  |
|         | <b>C.10.a. Trash Reduction Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | Permittees shall implement trash load reduction control actions in accordance with the following schedule and trash generation area management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|         | <b>i. Schedule</b> – Permittees shall reduce trash discharges from 2009 levels, described below, to receiving waters in accordance with the following schedule:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | a. 70 percent by July 1, 2017; and<br>b. 80 percent by July 1, 2019.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | B                  |
|         | In addition, Permittees should achieve 60 percent reduction by July 1, 2016. This is not a mandatory deadline; rather, it shall be used as a performance guideline to meet the mandatory July 1, 2017 deadline. Permittees that do not attain the 60 percent performance guideline shall submit documentation of a plan and schedule of implementation of additional trash load reduction control actions that will attain the July 1, 2017 deadline.                                                                                                                                                                                                                                                                               | B                  |
|         | <b>ii. Trash Generation Area Management</b> – Permittees shall demonstrate attainment of the C.10.a.i trash discharges percentage-reduction requirements by management of mapped trash generation areas within their jurisdictions delineated on Trash Generation Area Maps included with their Long Term Trash Reduction Plans, submitted in February 2014, in accordance with the requirements and accounting set forth in this provision. The February 2014 maps provide the 2009 trash levels and delineate trash generation areas within Permittees' jurisdictions into the following trash generation rate categories                                                                                                         | D                  |
|         | Low = less than 5 gal/acre/yr; Moderate = 5-10 gal/acre/yr; High = 10-50 gal/acre/yr; and<br>Very High = greater than 50 gal/acre/yr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | Permittees also designated trash management areas on their February 2014 maps encompassing one or more trash generation areas, within which they will implement trash control actions. Permittees shall have an opportunity to correct and/or revise, based on improved information, the 2009 trash levels and trash generation areas in their February 2014 maps by submitting the correction and/or revision no later than the 2016 Annual Report deadline.                                                                                                                                                                                                                                                                       | D                  |

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|  | a. Permittees shall implement trash prevention and control actions, including full trash capture systems or other trash management actions, or combinations of actions, with trash discharge control equivalent to or better than full trash capture systems, to reduce trash generation to a Low trash generation rate or better. Actions equivalent to full trash capture means actions that send no more trash down the storm drain system than a full trash capture device would allow, which is essentially no trash discharge except in very large storm flows. The C.10.a.i percent reductions shall be demonstrated by percent of 2009 Very High, High, and Moderate trash generation areas reduced to lower trash generation categories or Low trash generation by the                                                                                                                                                                                                                                                                                                                                                                                                         | B |
|  | b. Permittees shall ensure that lands that they do not own or operate, but that are plumbed directly to their storm drain systems in Very High, High, and Moderate trash generation areas are equipped with full trash capture systems or are managed with trash discharge control actions equivalent to or better than full trash capture systems. The efficacy of the latter shall be assessed with visual assessments in accordance with C.10.b.ii. If there is a full trash capture device downstream of these lands, no other trash control is required. Permittees shall map the location, or otherwise record the location, of all such lands greater than 10,000 ft <sup>2</sup> that are plumbed directly to their storm drain systems by July 1, 2018, including the trash control status of these areas. This information shall be retained by the Permittees for inspection upon request.                                                                                                                                                                                                                                                                                   | D |
|  | <b>iii. Mandatory Minimum Full Trash Capture Systems</b> - Permittees shall install and maintain a mandatory minimum number of full trash capture devices, to treat runoff from an area equivalent to 30 percent of retail/wholesale land area, as documented by the Association of Bay Area Governments, which drains to the storm drain system within their jurisdictions. A city Permittee with a population less than 12,000 and retail/wholesale land less than 40 acres, or a population less than 2,000, is exempt from this full trash capture requirement. Table 2 in Attachment E contains the minimum amount of drainage areas that must be treated with full trash capture devices by each city or county Permittee, and the minimum number of trash capture devices required to be installed and maintained by flood management agency Permittees.                                                                                                                                                                                                                                                                                                                         | D |
|  | A full capture system is any single device or series of devices that traps all particles retained by a 5 mm mesh screen and has a design treatment capacity of not less than the peak flow rate resulting from a one-year, one-hour, storm in the sub-drainage area or designed to carry at least the same flow as the storm drain connected to the inlet. The device(s) must also have a trash reservoir large enough to contain a reasonable amount of trash safely without overflowing trash into the overflow outlet between maintenance events. Types of systems certified by the State Water Resources Control Board are deemed full capture systems. A stormwater treatment facility implemented in accordance with Provision C.3 is also deemed a full capture system if the facility, including its maintenance prevents the discharge of trash to the downstream MS4 and receiving waters and discharge points from the facility, including overflows, are appropriately screened or otherwise configured to meet the full trash capture screening specification for storm flows up to the full trash capture one year, one hour storm hydraulic specification (C.10.a.iii.). | D |
|  | <b>C.10.b. Demonstration of Trash Reduction Outcomes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
|  | <b>i. Full Trash Capture Systems</b> – Permittees shall maintain, and provide for inspection and review upon request, documentation of the design, operation, and maintenance of each of their full trash capture systems, including the mapped location and drainage area served by each system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D |

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|         | <b>a. Maintenance</b> – The maintenance of each full capture device shall be adequate to prevent plugging, including plugging of the 5 mm screen leading to trash overflow and bypass, flooding, or a full condition of the device’s trash reservoir causing bypassing of trash. All full trash capture devices shall be inspected and maintained at least once per year. All such devices in high or very high trash generation areas shall be inspected at least two times per year, with the inspections spaced at least three months or more apart. If this frequency of inspection is found excessive after two inspections, the inspection frequency can be reduced to once per year. If any such device is found to have a plugged or blinded screen or is greater than 50 percent full of trash during a maintenance event, the maintenance frequency shall be increased so that the device is neither plugged nor more than half full of trash at the next | D                  |
|         | <b>b. Maintenance Records</b> – Permittees shall retain device specific maintenance records, including, at a minimum: the date(s) of maintenance, the capacity condition of the device at the time of maintenance (full and overflowing or with storage capacity remaining), any special problems such as flooding, screen blinding or plugging from leaves, plastic bags, or other debris causing overflow, damage reducing function, or other negative conditions. A summary of this information shall be reported in each Annual Report which may be limited to the number of full capture devices maintained that exhibited a plugged, full or overflowing condition upon maintenance.                                                                                                                                                                                                                                                                          | D                  |
|         | <b>c. Certification</b> – Permittees shall certify annually that each of their full trash capture systems is operated and maintained to meet full trash capture system requirements. Drainage areas served by an adequately maintained full trash capture system will be considered equivalent to or better than a Low trash generation area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | <b>ii. Other Trash Management Actions</b> – Permittees shall maintain, and provide for inspection and review upon request, documentation of non-full trash capture system trash control actions that verifies implementation of each action. Permittees shall also conduct assessment of the action that verifies effectiveness of the action or combination of actions and maintain, and provide for inspection and review upon request, documentation of assessments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |
|         | <b>a. Implementation Documentation</b> – Permittees shall maintain documentation of trash control actions that describes each action or combination of actions, the level of implementation, the timing and frequency of implementation, standard operating procedures if applicable, location(s) of implementation actions including mapped location(s) and drainage area(s) affected or description of areal extent, tracking and enforcement procedures if applicable, and other information relevant to effective implementation of the action or combination of actions.                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
|         | <b>b. Visual Assessment of Outcomes of Other Trash Management Actions</b> – Permittees shall conduct visual on-land assessment, including photo documentation, or other acceptable assessment method (see C.10.b.ii.b.(iv.)), of each trash generation area within which it is implementing other trash management actions or combination of actions other than full trash capture, to determine or verify the effectiveness of the action or combination of actions. Permittees may assess and account for one or more trash generation areas in a single trash management area within which a control action or combination of control actions is implemented. The visual on-land assessment method used shall meet or exceed the following criteria:                                                                                                                                                                                                             | B                  |
|         | (i)Conduct observations within a trash management area of the sidewalk, curb and gutter, or locations associated with trash generation sources.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B                  |
|         | (ii)Conduct observations at randomly selected locations covering at least ten percent of a trash management area’s street miles; or conduct observations at strategic locations with justification they are representative of trash generation in the management area and they will represent the effectiveness of the control action(s) implemented or planned in the management area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |
|         | (iii)Conduct observations at a frequency consistent with known or estimated trash generation rate(s) within a trash management area and the time frequency of implementation of the control action(s) implemented or planned in the management area. Conduct observations for effectiveness approximately at the halfway point of the interval between instances of recurring trash control actions such as street sweeping and on-land cleanup.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                  |

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|         | (iv) Permittees may put forth substantive and credible evidence that certain management actions or sets of management actions when performed to a specified performance standard yield a certain trash reduction outcome reliably. Such a proposal shall be made to the Executive Officer as a submittal separate from any other submittals or reports. If this evidence is accepted by the Executive Officer, the Permittees may claim a similar trash reduction outcome by demonstrating that they have performed these trash reduction actions within certain trash management areas to the same performance standard accepted by the Executive Officer.                                                                                                                                                                                                                                                                                                                            | B                  |
|         | <b>iii. Percentage Discharge Reduction</b> – Percentage discharge reduction from 2009 from Very High generation areas reduced to High, Moderate, and Low, High generation areas reduced to Moderate and Low, and Moderate trash generation areas reduced to Low trash generation category to meet the required total percent reduction (%Reduction) shall be calculated based on the following formula:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | $\% \text{ Reduction} = 100 [(12AVH(2009) + 4AH(2009) + AM(2009)) - (12AVH + 4AH + AM)] / (12AVH2009 + 4AH2009 + AM2009)$ <p>where:</p> <p>AVH(2009) = total amount of the 2009 very high trash generation category jurisdictional area<br/>           AH(2009) = total amount of the 2009 high trash generation category jurisdictional area<br/>           AM(2009) = total amount of the 2009 moderate trash generation category jurisdictional area<br/>           AVH = total amount of very high trash generation category jurisdictional area in the reporting year<br/>           AH = total amount of high trash generation category jurisdictional area in the reporting year<br/>           AM = total amount of moderate trash generation category jurisdictional area in the reporting year<br/>           12 = Very High to Moderate weighing ratio<br/>           4 = High to Moderate weighing ratio<br/>           100 = fraction to percentage conversion factor</p> |                    |
|         | <b>iv. Source Control</b> – Permittee jurisdiction-wide actions to reduce trash at the source, particularly persistent trash items, may be valued toward trash load reduction compliance by up to ten percent load reduction total for all such actions. To claim a load percentage reduction value, Permittees must provide substantive and credible evidence that these actions reduce trash by the claimed value. A Permittee may reference studies in other jurisdictions if it provides evidence that the implementation of source control in its jurisdiction is similarly implemented as the source control assessed in the reference                                                                                                                                                                                                                                                                                                                                           | B                  |
|         | <b>v. Receiving Water Monitoring</b> – Permittees shall conduct receiving water monitoring and develop receiving water monitoring tools and protocols and a monitoring program designed, to the extent possible, to answer the following questions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |

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|  | <ul style="list-style-type: none"> <li>• Have a Permittee's trash control actions effectively prevented trash within a Permittee's jurisdiction from discharging into receiving water(s)?</li> <li>• Is trash present in receiving water(s), including transport from one receiving water to another, e.g., from a creek to a San Francisco Bay segment, at levels that may cause adverse water quality impacts?</li> <li>• Are trash discharges from a Permittee's jurisdiction causing or contributing to adverse trash impacts in receiving water(s)?</li> <li>• Are there sources outside of a Permittee's jurisdiction that are causing or contributing to adverse trash impacts in receiving water(s)?</li> </ul> <p>The monitoring tools and protocols shall include direct measurements and/or observations of trash in receiving water(s), or in scenarios where direct measurements or observations are not feasible, surrogates for trash in receiving waters, such as measurement or observations of trash on stream banks or shorelines.</p> | D |
|  | <b>a. Development and Testing Plan</b> – Permittees shall submit a plan acceptable to the Executive Officer by July 1, 2017, to develop and test a proposed receiving water monitoring program that includes the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D |
|  | (i)Description of the tools and protocols;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D |
|  | (ii)Description of discharge and receiving water scenarios, which will be considered, that accounts for the various receiving waters and watershed, community, and drainage characteristics within Permittees' jurisdictions that affect the discharge of trash and its fate and effect in receiving water(s);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D |
|  | (iii)Description of factors, in addition to those in C.10.b.v.a.(ii), that will be considered and evaluated to determine scenarios and spatial and temporal representativeness;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D |
|  | (iv)Identification of sites, representative of all the Permittees and discharge and receiving water scenarios, that will be monitored during this permit term;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D |
|  | (v)Development of a system to manage and access monitoring results;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D |
|  | (vi)Opportunity for input and participation by interested parties;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D |
|  | (vii) Scientific peer review of the tools and protocols and testing results; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D |
|  | (viii) Schedule for development and testing; with monitoring at representative sites starting no later than October 2017.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D |
|  | If the Permittees conduct this work through an independent third party, approved by the Executive Officer, the Plan may be submitted by July 2018, with monitoring to begin no later than October 2018.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D |
|  | <b>b. Report and Proposed Monitoring Program</b> – Permittees shall report progress in the 2018 Annual Report, and submit a preliminary report by July 1, 2019 and a final report by July 1, 2020 on the proposed trash receiving water monitoring program. The progress report is not required if the Permittees conduct this work through an independent third party, approved by the Executive Officer, that provides input and participation by interested parties and scientific peer review of the tools and protocols and testing results and proposed receiving monitoring program.                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D |
|  | <b>C.10.c. Trash Hot Spot Selection and Cleanup</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
|  | Trash Hot Spots in receiving waters shall be cleaned annually to achieve the multiple benefits of abatement of impacts and to learn more about the sources and transport routes of trash loading.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D |
|  | <b>ii. Trash Hot Spot Cleanup and Definition</b> – The Permittees shall clean selected Trash Hot Spots to a level of "no visual impact" at least one time per year for the term of the permit. Trash Hot Spots shall be sections of creek or shoreline significantly impacted by trash of at least 100 yards of creek length or 200 yards of shoreline length.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | iii.Trash Hot Spot Assessments – The Permittees shall quantify the volume of material removed from each Trash Hot Spot cleanup and attempt to identify sources to the extent readily feasible. Documentation of the cleanup activity to be retained by the Permittee shall include the trash condition before and after cleanup of the entire hot spot using photo documentation with a minimum of one photo per 100 feet of hot spot length and the total volume of trash and litter removed from the hot spot. Permittees shall report the volume removed for the most recent five years of hot spot cleanup in each Annual Report, or if a new trash hot spot location is selected, Permittees shall report the volume removed for the years of cleanup of that hotspot. | D                  |
|         | <b>C.10.d. Trash Load Reduction Plans</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|         | Each Permittee shall maintain, and provide for inspection and review upon request, a Trash Load Reduction Plan, including an implementation schedule to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | The Plans may include actions to control sources outside of the Permittee’s jurisdiction that are causing or contributing to adverse trash impacts in the receiving water(s). Permittees who choose to implement such control actions may account for them towards meeting the C.10.a Trash Load Reduction requirements as long as they can demonstrate the controls will be sustained and they quantify the sustained load reduction benefit relative to control actions in the trash generation areas or trash management areas in their jurisdiction that drained to the affected receiving water.                                                                                                                                                                       | B                  |
|         | <b>C.10.e. Optional Trash Load Reduction Offset Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |
|         | <b>i. Additional Creek and Shoreline Cleanup</b> – A Permittee may offset part of its provision C.10.a trash load percent reduction requirement by conducting additional cleanup of creek and shoreline areas beyond trash hot spot cleanups required by C.10.c if the additional cleanup efforts are conducted at a frequency of at least twice per year and sufficient to demonstrate sustained improvement of the creek or shoreline area. The maximum offset that may be claimed is ten percent.<br>A Permittee may claim a load reduction offset of one percent for each total of trash volume removed from additional cleanups that is three and a third percent                                                                                                      | B                  |
|         | for the 2016 performance guideline and 2017 mandatory trash load reduction deadline, and ten percent for the 2019 mandatory trash load reduction deadline, of the Permittee’s 2009 trash load volume estimates, based on its trash generation maps and average categorical trash generation rates (see C.10.a.ii), in accordance with the following formula:                                                                                                                                                                                                                                                                                                                                                                                                                | B                  |
|         | 1% Reduction Offset (Volume) = (12 AVH(2009) + 4 AH(2009) + AM(2009)) OF where:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |
|         | 1% Reduction Offset (Volume) = (12 AVH(2009) + 4 AH(2009) + AM(2009)) OF where:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B                  |

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|         | <p>AVH(2009) = total amount of 2009 very high trash generation category jurisdictional area</p> <p>AH(2009) = total amount of 2009 high trash generation category jurisdictional area</p> <p>AM(2009) = total amount of 2009 moderate trash generation category jurisdictional area</p> <p>12 = Very High to Moderate weighing ratio</p> <p>4 = High to Moderate weighing ratio</p> <p>OF = offset factor equal to <math>(7.5 \times 0.033)</math> for the 2016 performance guideline and 2017 mandatory trash load reduction deadline, where 7.5 is the conversion from acres to gallons based on trash generation rates and 0.033 is the three to one offset ratio, or <math>(7.5 \times 0.1)</math> for the 2019 mandatory trash load reduction deadline, where 7.5 is the conversion from acres to gallons based on trash generation rates and 0.1 is the ten to one offset ratio.</p> | B                  |
|         | <p><b>ii. Direct Trash Discharge Controls</b> – A Permittee may offset an additional part of its provision C.10.a trash load percent reduction requirement by implementing a comprehensive plan approved by the Executive Officer for control of direct discharges of trash to receiving waters from non-storm drain system sources. The maximum offset that may be claimed is fifteen percent using the C.10.e.i formula. The plan shall be submitted not later than February 1 of the first year in which the offset will be reported in the following Annual Report and shall include the following:</p>                                                                                                                                                                                                                                                                                | B                  |
|         | <p>a. description of sources of the directly discharged trash;</p> <p>b. description of control actions that will be implemented during the permit term to prevent or reduce direct discharge trash loads in a systematic and comprehensive manner;</p> <p>c. map of the affected receiving water area and associated watershed; and</p> <p>d. description of how effectiveness of controls will be assessed, including documentation of controls, quantification of trash volume controlled, and assessment of resulting improvements to receiving water conditions.</p>                                                                                                                                                                                                                                                                                                                  | B                  |
|         | <b>C.10.f. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|         | Each Permittee shall provide the following in each Annual Report:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | <p><b>i.</b> A summary of trash control actions within each trash management area, including the types of actions, levels of implementation, areal extent of implementation, and whether the actions are ongoing or new, including initiation date.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | <p><b>ii.</b> Upon request by the Executive Officer, an updated trash generation area map or maps, which include trash management areas, including the locations and associated drainage areas and of full trash capture systems and other trash control actions, and the location of Trash Hot Spots, with highlight or other indication of any revisions or changes from the previous year map(s). These maps can be used to illustrate progress toward achieving the trash reduction requirements in C.10.a.i</p>                                                                                                                                                                                                                                                                                                                                                                       | D                  |



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|         | iii. Should a Permittee correct and/or revise its 2009 trash generation map submitted in February 2014, the corrected or revised 2009 trash generation map shall be submitted in the 2016 Annual Report, if the Permittee has not already submitted the corrected or revised map. Certification that each of its full trash capture systems is operated and maintained to meet full trash capture system requirements; a description of any systems that did not meet full trash capture system requirements (e.g., due to plugging or overflowing); and any corrective actions taken.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | iv. An accounting of its non-full trash capture system trash control actions assessments by providing a summary description of assessments in each of its trash management areas, including the number and dates of observations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | v. An accounting of progress toward or attainment of C.10.a.i trash discharge reduction performance guidelines and mandatory deadlines using the C.10.a.ii trash generation area mapping methodology and formula.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | a. If a Permittee cannot demonstrate attainment of the 2016 performance guideline, it shall submit a detailed plan and schedule of implementation of additional trash load reduction control actions that will attain the 2017 mandatory deadline.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
|         | b. If a Permittee cannot demonstrate attainment of the 2017 or 2019 mandatory trash load reduction deadline, it shall submit a report of non-compliance with the associated Annual Report, or in advance of the Annual Report, that describes actions to comply with the mandatory reduction deadline in a timely manner. The report shall include a plan and schedule for implementation of full trash capture systems sufficient to attain the required reduction. A Permittee may submit a plan and schedule for implementation of other trash management actions to attain the required reduction in an area where implementation of a full trash capture system is not feasible. In such cases, the report shall include identification of the area and documentation of the basis of the Permittee's determination that implementation of a full trash capture system is not feasible.                                                                                                                                                                | D                  |
|         | vi. In the 2018 Annual Report, progress on development and testing of the receiving water monitoring program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | vii. The volume removed for the most recent five years of hot spot cleanup for each of its trash hot spots, or for the years of cleanup if a new trash hot spot location has been selected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | D                  |
|         | viii. For Permittees claiming a C.10.e.i offset, based on additional cleanup of creek and shoreline areas, a summary description of the additional cleanup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | ix. For Permittees claiming a C.10.e.ii offset, based on non-storm drain system trash controls, a summary description of control actions receiving water assessment results, quantification of trash volume controlled, and assessment of resulting improvements in receiving water condition, the claimed offset and documentation of information used in the C.10.e.i formula.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | <b>C.11. Mercury Controls</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | The Permittees shall implement the following control program for mercury. The Permittees shall perform the control measures (source control, treatment control, and pollution prevention strategies) and report on those control measures according to the provisions below. The provisions implement the urban runoff requirements of the San Francisco Bay and Guadalupe River Watershed mercury TMDLs and reduce mercury loads to make substantial progress toward achieving the urban runoff mercury load allocations established for the TMDLs. The aggregate, regionwide, urban runoff wasteload allocation from the San Francisco Bay mercury TMDL is 82 kg/yr. The TMDL implementation plan calls for attainment of the allocation by February 2028 and, as a way to measure progress, attainment of an interim loading milestone by February 2018 of 120 kg/yr, halfway between the 2003 estimated load, 160 kg/yr, and the aggregate allocation. The Permittees may comply with any requirement of this provision through a collaborative effort. | B                  |
|         | <b>C.11.a. Implement Control Measures to Achieve Mercury Load Reductions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | i. <b>Task Description</b> – Permittees shall implement mercury source and treatment control measures and pollution prevention strategies to reduce mercury loads throughout the area covered by this Permit (permit-area).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
|         | ii. <b>Implementation level</b> – To comply with this provision element, Permittees shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |

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|         | (1) Identify the watersheds or portions of watersheds (management areas) in which mercury control measures are currently being implemented and those in which new control measures will be implemented during the term of this Permit (many or most may be the same watersheds as those identified for                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
|         | (2) Identify the control measures that are currently being implemented and those that will be implemented in each watershed and management area (may be the same as those identified for C.12.a.ii(2));                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | (3) Submit a schedule of control measure implementation; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | (4) Implement mercury source and treatment control measures and pollution prevention strategies and quantify mercury load reductions achieved by using the accounting methods established according to provision C.11.b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |
|         | (1) The Permittees shall report by April 1, 2016, progress toward developing a list of the watersheds and management areas where mercury control measures are currently being implemented and those in which control measures will be implemented (C.11.a.ii(1)) during the term of this Permit as well as the monitoring data and other information used to select these watersheds and management areas.                                                                                                                                                                                                                                                                                         | D                  |
|         | (2) The Permittees shall report in their 2016 Annual Report the list of watersheds and management areas where control measures are currently being implemented or will be implemented during the term of the Permit (C.11.a.ii(1)) along with the specific control measures (C.11.a.ii(2)) that are currently being implemented and those that will be implemented in these watersheds and management areas and an implementation schedule (C.11.a.ii(3)) for these control measures. In addition to the list of watersheds and management areas, this report shall include:                                                                                                                       | D                  |
|         | a. The number, type, and locations and/or frequency (if applicable) of control measures;<br>b. The description, scope, and start date of pollution prevention measures;<br>c. For each structural control and non-structural BMP, interim implementation progress milestones (e.g., construction milestones for structural BMPs or other relevant implementation milestones for structural and non-structural BMPs) and a schedule for milestone achievement; and<br>d. Clear statements of the roles and responsibilities of each participating Permittee for implementation of pollution prevention or control measures identified under C.11.a.ii(2).                                           | D                  |
|         | (3) Beginning with the 2017 Annual Report and continuing in all Annual Reports, Permittees shall update all the information required under C.11.a.iii(2) as necessary to account for new control measures implemented, but not described, in the 2016 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | <b>C.11.b. Assess Mercury Load Reductions from Stormwater</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|         | <b>i. Task Description</b> – The Permittees shall develop and implement an assessment methodology and data collection program to quantify in a technically sound manner mercury loads reduced through implementation of pollution prevention, source control, and treatment control measures, including mercury source control, stormwater treatment, green infrastructure, and other measures. The Permittees shall use the assessment methodology to demonstrate progress toward achieving the load reductions required in this Permit term and the program area wasteload allocations.                                                                                                          | D                  |
|         | A reasonable and technically sound load reduction accounting system is described in the Fact Sheet and is based on information submitted by the Permittees in the January 2014 Integrated Monitoring Report. This task consists of documenting the method described in the Fact Sheet or any alternative methodology, updating and refining the accounting system to account for new information, justifying assumptions, analytical methods, sampling schemes and parameters used to quantify the load reduction for each type of control measure, and indicating what information will be collected and submitted to confirm the calculated load reduction for each control measure implemented. | D                  |
|         | <b>ii. Implementation Level</b> – The Permittees shall adequately quantify the mercury load reductions achieved through implementing pollution prevention, source control, and treatment control efforts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | D                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |

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|         | (1) In their 2016 Annual Report the Permittees shall submit, for Executive Officer approval, the assessment methodology and data collection program required in C.11.b.i.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                                                                                   |
|         | (2) Beginning with the 2017 Annual Report, Permittees shall report annually the loads reduced using the default (from Fact Sheet) or alternative approved assessment methodology to demonstrate cumulative mercury load reduced from each control measure implemented since the beginning of the Permit term. Permittees shall submit all supporting data and information necessary to substantiate the load reduction estimates, including appropriate reference to the control measures described in the reporting required under C.11.a.                                                                                                                                                                                                                                                                                                                                           | D                                                                                   |
|         | (3) In their 2018 and subsequent Annual Reports, the Permittees shall submit, for Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                                                                                   |
|         | <b>C.11.c. Plan and Implement Green Infrastructure to reduce mercury loads</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |
|         | <b>i. Task Description</b> – Permittees shall implement green infrastructure projects during the term of the Permit to achieve the mercury load reductions performance criteria in Table 11.1. Green infrastructure projects on both public and private land can serve to achieve this load reduction requirement. Additionally, Permittees shall prepare a reasonable assurance analysis (see below and Fact Sheet) to demonstrate quantitatively that mercury load reductions of at least 10 kg/yr will be achieved by 2040 through implementation of green infrastructure throughout the permit-area.                                                                                                                                                                                                                                                                              | C                                                                                   |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |
|         | (1) The Permittees shall implement sufficient green infrastructure projects so that mercury loads are collectively reduced by 48 g/yr by June 30, 2020, which shall be extended to December 31, 2020, if the Permittees provide documentation that control measures that will attain the load reduction will be implemented by December 31, 2020. Permittees shall demonstrate achievement of these load reductions by using the accounting methods approved under provision C.11.b.iii(1). Load reductions from green infrastructure projects implemented prior to the effective date of this Permit may be counted toward the required green infrastructure reductions of this Permit term if these projects were established and implemented during the Previous Permit term, but load reductions from the activity were not realized or credited during the Previous Permit term. | C                                                                                   |
|         | The Permittees may meet the load reduction as a group. The load reduction requirements summed over all Permittees within each county are set forth in Table 11.1. If neither the permit-area-wide total load reduction nor the county-specific load reduction is achieved, Permittees shall achieve load reductions consistent with their share of the county total. The individual Permittee share of the county load reduction is the proportion of county population in each                                                                                                                                                                                                                                                                                                                                                                                                       | C                                                                                   |
|         | If all the Permittees in a county wish to use an alternative method of distributing the county load reductions, these Permittees shall report through their countywide stormwater programs on their alternative method (if different from default population-based method) for assigning Permittee- specific load fractions in the 2017 Annual Report. This can be determined by the Permittees within the counties and may be different from one county to the next, but all Permittees within a county shall use the same method of distributing the county load reductions. Any acceptable alternative load reduction criteria must be approved through an amendment of this Permit.                                                                                                                                                                                               | C                                                                                   |
|         | <b>Table 11.1 Mercury Load Reduction Performance Criteria via Green Infrastructure Implementation by County</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |
|         | <b>County Permittees</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Mercury Load Reduction (g/yr) by June 30, 2020, through green infrastructure</b> |
|         | Alameda Permittees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15                                                                                  |
|         | Contra Costa Permittees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9                                                                                   |
|         | San Mateo Permittees                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                                                                   |

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|                                                                  | Santa Clara Permittees                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16                 |
|                                                                  | Solano Permittees: Suisun City, Vallejo, Fairfield                                                                                                                                                                                                                                                                                                                                                                                                               | 2                  |
|                                                                  | <b>Totals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>48</b>          |
|                                                                  | (2) Permittees shall prepare a reasonable assurance analysis of future mercury load reductions by doing the following:                                                                                                                                                                                                                                                                                                                                           | B                  |
|                                                                  | a. Quantify the relationship between areal extent of green infrastructure implementation and mercury load reductions. This quantification should take into consideration the scale of contamination of the treated area as well as the pollutant removal effectiveness of likely green infrastructure strategies.                                                                                                                                                | B                  |
|                                                                  | b. Estimate the amount and characteristics of land area that will be treated through green infrastructure by 2020, 2030, and 2040.                                                                                                                                                                                                                                                                                                                               | B                  |
|                                                                  | c. Estimate the amount of mercury load reductions that will result from green infrastructure implementation by 2020, 2030, and 2040.                                                                                                                                                                                                                                                                                                                             | B                  |
|                                                                  | d. Quantitatively demonstrate that mercury reductions of at least 10 kg/yr will be realized by 2040 through implementation of green infrastructure projects.                                                                                                                                                                                                                                                                                                     | B                  |
|                                                                  | e. Ensure that the calculation methods, models, model inputs, and modeling assumptions used to fulfill C.11.c.ii(2)(a-d) have been validated through a peer review process.                                                                                                                                                                                                                                                                                      |                    |
|                                                                  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|                                                                  | (1) The Permittees shall submit in their 2018 Annual Report, as part of reporting for C.11.b.iii(2), the quantitative relationship between green infrastructure implementation and mercury load reductions. This submittal shall include all data used and a full description of models and model inputs relied on to establish this relationship.                                                                                                               | B                  |
|                                                                  | (2) The Permittees shall submit in their 2020 Annual Report an estimate of the amount and characteristics of land area that will be treated through green infrastructure implementation by 2020, 2030, and 2040. This submittal shall include all data used and a full description of models and model inputs relied on to generate this estimate.                                                                                                               | B                  |
|                                                                  | (3) The Permittees shall submit in their 2020 Annual Report a reasonable assurance analysis to demonstrate quantitatively that mercury reductions of at least 10 kg/yr will be realized by 2040 through implementation of green infrastructure projects. This submittal shall include all data used and a full description of models and model inputs relied on to make the demonstration and documentation of peer review of the reasonable assurance analysis. | B                  |
|                                                                  | (4) The Permittees shall submit as part of reporting for C.11.b.iii(2), beginning with their 2019 Annual Report, an estimate of the amount of mercury load reductions resulting from green infrastructure implementation during the term of the Permit. This submittal shall include all data used and a full description of models and model inputs relied on to generate this estimate.                                                                        | B                  |
|                                                                  | (5) All Permittees in a county may submit, in the 2017 Annual Report, an alternative (different from the population-based default described in C.11.c.ii(1)) and supporting information to derive Permittee-specific proportions of load reduction criteria.                                                                                                                                                                                                     | B                  |
|                                                                  | <b>C.11.d. Prepare Implementation Plan and Schedule to Achieve TMDL Allocations</b>                                                                                                                                                                                                                                                                                                                                                                              |                    |
|                                                                  | <b>i. Task Description</b> – Permittees shall prepare a plan and schedule for mercury control measure implementation and reasonable assurance analysis demonstrating that sufficient control measures will be implemented to attain the mercury TMDL wasteload allocations by 2028. This plan may share many                                                                                                                                                     | B                  |
|                                                                  | <b>ii. Implementation level</b> – Permittees shall prepare a mercury control measure implementation plan and corresponding reasonable assurance analysis that demonstrates quantitatively that the plan will result in mercury load reductions sufficient to attain the mercury TMDL wasteload allocations by 2028. The                                                                                                                                          | B                  |
|                                                                  | (1) Identify all technically and economically feasible mercury control measures (including green infrastructure projects) to be implemented;                                                                                                                                                                                                                                                                                                                     | B                  |
|                                                                  | (2) Include a schedule according to which these technically and economically feasible control measures will be fully implemented; and                                                                                                                                                                                                                                                                                                                            | B                  |
|                                                                  | (3) Provide an evaluation and quantification of the mercury load reduction of such measures as well as an evaluation of costs, control measure efficiency and significant environmental impacts resulting from their implementation.                                                                                                                                                                                                                             | B                  |
|                                                                  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|                                                                  | Permittees shall submit the plan and schedule in the 2020 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                         | B                  |
|                                                                  | <b>C.11.e. Implement a Risk Reduction Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                    |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | <b>i. Task Description</b> – The Permittees shall conduct an ongoing risk reduction program to address public health impacts of mercury in San Francisco                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | (1) At a minimum, Permittees shall conduct or cause to be conducted an ongoing risk reduction program with the potential to reach 3000 individuals annually who are likely consumers of San Francisco Bay- caught fish. Permittees are encouraged to collaborate with San Francisco Bay industrial and wastewater discharger agencies in meeting this requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
|         | (2) In year four of the permit term, Permittees shall evaluate the effectiveness of their risk reduction program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | D                  |
|         | <b>iii. Reporting</b> – The Permittees shall report on the status of the risk reduction program in each of their Annual Reports, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish. The Permittees shall report the findings of the effectiveness evaluation of their risk reduction program in their 2020 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
|         | <b>C.12. Polychlorinated Biphenyls (PCBs) Controls</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|         | The Permittees shall implement the following control program for PCBs. The Permittees shall implement PCBs control measures (source control, treatment control, and pollution prevention strategies) in areas where benefits are most likely to accrue (focused implementation) and report on those control measures according to the provisions below. The provisions implement the urban runoff requirements of the PCBs TMDL. Permittees shall reduce PCBs loads by a specified amount during the term of the Permit, thereby making substantial progress toward achieving the urban runoff PCBs wasteload allocation in the Basin Plan. The allocation, on an aggregate and regionwide basis, is 2 kg/yr (1.6 kg/yr allocated to Permittees) to be achieved by March 2030. This wasteload allocation represents a load reduction from all urban runoff sources to the Bay of approximately 18 kg/yr (14.4 kg/yr from Permittees) compared to loads estimated using data collected in 2003. The Permittees may comply with any requirement of this Provision through a | B                  |
|         | <b>C.12.a. Implement Control Measures to Achieve PCBs Load Reductions.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | <b>i. Task Description</b> – Permittees shall implement PCBs source and treatment control measures and pollution prevention strategies to achieve PCBs load reductions in Table 12.1 throughout the area covered by this Permit (permit-area).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B                  |
|         | <b>ii. Implementation level</b> –To comply with this provision element, Permittees shall:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|         | (1) Identify the watersheds or portions of watersheds (management areas) in which PCBs control measures are currently being implemented and those in which new control measures will be implemented during the term of this permit;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B                  |
|         | (2) Identify the control measures that are currently being implemented and those that will be implemented in each watershed and management area;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
|         | (3) Submit a schedule of control measure implementation; and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                  |
|         | (4) Implement sufficient control measures to achieve the permit-area-wide reduction stated below or the county-specific load reduction performance criteria shown in Table 12.1. The Permittees shall demonstrate achievement of these load reductions as required in provision C.12.b. Load reductions from control measures implemented prior to the effective date of this Permit may be counted toward the required reductions of this Permit term if these control measures were established or implemented during the Previous Permit term, but load reductions from the activity were not realized or credited during the Previous Permit term (e.g., they were implemented after the 2014 Integrated Monitoring Report was submitted).                                                                                                                                                                                                                                                                                                                            | B                  |
|         | For all Permittees combined, these county-specific average annual PCBs load reduction performance criteria shall total 0.5 kg/yr by June 30, 2018, and 3.0 kg/yr by June 30, 2020. The June 30, 2020, deadline shall be extended to December 31, 2020, if the Permittees provide documentation that control measures that will attain the load reduction will be implemented by December 31, 2020. The Fact Sheet describes the amount of PCBs load reduction benefit associated with implementing a number of control measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B                  |
|         | The Permittees may meet the load reductions as a group. The load reduction requirements summed over all Permittees within each county are set forth in Table 12.1. If neither the permit-area-wide total load reduction criteria nor the county-specific load reduction criterion is achieved, Permittees shall achieve load reductions consistent with their share of the county total. The individual Permittee share of the county load reduction performance criteria is the proportion of county population in each municipality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | If all the Permittees in a county wish to use an alternative method of distributing the county load reductions, these Permittees shall report through their countywide stormwater programs on their alternative method (if different from default population-based method) for assigning Permittee-specific load fractions in the 2017 Annual Report. This can be determined by the Permittees within the counties and may be different from one county to the next, but all Permittees within a county shall use the same method of distributing the county load reductions. Any acceptable alternative load reduction criteria must be approved through an amendment of this Permit. | B                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |
|         | (1) The Permittees shall report by April 1, 2016, progress toward developing a list of the watersheds and management areas where PCBs control measures are currently being implemented and those in which control measures will be implemented (C.12.a.ii(1)) during the term of this Permit as well as the monitoring data and other information used to select these watersheds and management areas. This list should include watersheds containing contaminated sites referred to the Water Board as well.                                                                                                                                                                         | D                  |
|         | (2) The Permittees shall report in their 2016 Annual Report the list of watersheds and management areas where control measures are currently being implemented or will be implemented during the term of the Permit (C.12.a.ii(1)) along with the specific control measures (C.12.a.ii(2)) that are currently being implemented and those that will be implemented in these watersheds and management areas and an implementation schedule (C.12.a.ii(3)) for these control measures. In addition to the list of watersheds and management areas, this report shall include:                                                                                                           | D                  |
|         | a. The number, type, and locations and/or frequency (if applicable) of control measures;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | D                  |
|         | b. A cumulative listing of all potentially PCB-contaminated sites Permittees have discovered and referred to the Water Board to date, with a brief                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | c. The description, scope, and start date, of PCBs control measures;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | D                  |
|         | d. For each structural control and non-structural BMP, interim implementation progress milestones (e.g., construction milestones for structural controls or other relevant implementation milestones for structural controls and non-structural BMPs) and a schedule for milestone achievement; and                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | e. Clear statements of the roles and responsibilities of each participating Permittee for implementation of pollution prevention or control measures identified under C.12.a.ii(2).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | (3) Beginning with the 2017 Annual Report and continuing in all Annual Reports, Permittees shall update all the information required under C.12.a.iii(2) as necessary to account for new control measures implemented but not described in the 2016 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | (4) All Permittees in a county may submit, in the 2017 Annual Report, an alternative (different from the default described in C.12.a.ii(4)) and supporting information to derive Permittee-specific proportions of load reduction criteria.                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
|         | <b>C.12.b. Assess PCBs Load Reductions from Stormwater</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|         | <b>i. Task Description</b> – The Permittees shall develop, document, and implement an assessment methodology and data collection program to quantify in a technically sound manner PCBs loads reduced through implementation of pollution prevention, source control, and treatment control measures, including PCBs source control, stormwater treatment, green infrastructure and other measures. The Permittees shall use the assessment methodology to demonstrate progress toward achieving the load reductions required in this Permit term and the program area wasteload allocations.                                                                                          | B                  |
|         | A reasonable and technically sound load reduction accounting system is described in the Fact Sheet and is based on information submitted by Permittees in the January 2014 Integrated Monitoring Report. This task consists of documenting the method described in the Fact Sheet or any alternative methodology, updating and refining the accounting system to account for new information, justifying assumptions, analytical methods, sampling schemes and parameters used to quantify the load reduction for each type of control measure, and indicating what information will be collected and submitted to confirm the calculated load reduction for each unit of activity.    | D                  |

LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|         | <b>ii. Implementation Level</b> – The Permittees shall adequately quantify the PCBs load reductions achieved through all the pollution prevention, source control, and treatment control measures Permittees will implement in this Permit term, except for measures to manage PCB-containing materials and wastes during building demolitions (C.12.f).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D                  |
|         | For this Permit term, the Permittees will receive a total of 2000 g/yr (2 kg/yr) PCBs load reduction value if they have developed and implemented effective protocols for managing PCB-containing materials during demolition so that PCBs do not drain into the MS4 as required in provision C.12.f. The 2000 g/yr PCBs load reduction value shall be in furtherance of meeting the June 30, 2020, 3000 g/yr requirement in Table 12.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B                  |
|         | The Permittee-specific portion of the 2000 g/yr PCBs load reduction value shall be based on the proportion of county population in each municipality. If all the Permittees in a county wish to use an alternative method of distributing the county load reductions for managing PCB-containing materials during demolition, these Permittees shall report through their countywide stormwater programs on their alternative method (if different from default population-based method) for assigning Permittee-specific load fractions in the 2019 Annual Report. This can be determined by the Permittees within the counties and may be different from one county to the next, but all Permittees within a county shall use the same method of distributing the county load reductions. Any acceptable alternative load reduction criteria must be approved through an amendment of this Permit.        | B                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | (1) In their 2016 Annual Report the Permittees shall submit for approval by the Executive Officer the assessment methodology and data collection program required in C.12.b.i. and described in C.12.b.ii.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | (2) Beginning with the 2017 Annual Report, Permittees shall report annually the loads reduced using the default (from the Fact Sheet) or alternative approved assessment methodology to demonstrate cumulative PCBs load reduced from each control measure implemented since the beginning of the Permit term. Permittees shall submit all supporting data and information necessary to substantiate the load reduction estimates, including appropriate reference to the control measures described in the reporting required under C.12.a.                                                                                                                                                                                                                                                                                                                                                                | D                  |
|         | (3) In their 2018 and subsequent Annual Reports, the Permittees shall submit, for Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent Permit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
|         | (4) All Permittees in a county may submit, in the 2019 Annual Report, an alternative (different from the default population-based method) and supporting information to derive Permittee-specific shares of load reduction value associated with implementation of C.12.f.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | <b>C.12.c. Plan and Implement Green Infrastructure to reduce PCBs loads</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|         | <b>i. Task Description</b> – Permittees shall implement green infrastructure projects during the term of the Permit to achieve PCBs load reduction performance criteria in Table 12.2 in furtherance of meeting the 3000 g/year load reduction criteria required in C.12.a.ii.(4) and Table 12.1. Green infrastructure projects on both public and private land can serve to achieve this load reduction requirement. Additionally, Permittees shall prepare a reasonable assurance analysis (see below and the Fact Sheet) to demonstrate quantitatively that PCBs load reductions of at least 3 kg/yr will be achieved by 2040 through implementation of green infrastructure throughout the permit-area.                                                                                                                                                                                                 | C                  |
|         | <b>Table 12.2 PCBs Load Reduction Performance Criteria via Green Infrastructure Implementation by County</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | <b>ii. Implementation Level</b><br>(1) The Permittees shall implement green infrastructure projects so that PCBs loads are collectively reduced by 120 g/yr by June 30, 2020, which shall be extended to December 31, 2020, if the Permittees provide documentation that control measures that will attain the load reduction will be implemented by December 31, 2020. Permittees shall demonstrate achievement of these load reductions by using the accounting methods approved under provision C.12.b.iii(1). Load reductions from green infrastructure projects implemented prior to the effective date of this Permit may be counted toward the required green infrastructure reductions of this Permit term if these projects were established and implemented during the Previous Permit term, but load reductions from the activity were not realized or credited during the Previous Permit term. | C                  |

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|         | The Permittees may meet the load reduction as a group. The load reduction requirements summed over all Permittees within each county are set forth in Table 12.2. If neither the permit-area-wide total load reduction nor the county-specific load reduction is achieved, Permittees shall achieve load reductions consistent with their share of the county total under provision C.12.a.ii(4).                                                            | C                  |
|         | (2) Permittees shall prepare a reasonable assurance analysis that demonstrates how green infrastructure will be implemented in order to achieve a PCBs load reduction of 3 kg/yr across the permit-area by 2040. This analysis shall include the following:                                                                                                                                                                                                  | C                  |
|         | a. Quantify the relationship between areal extent of green infrastructure implementation and PCBs load reductions, taking into consideration the scale of contamination of the treated area as well as the pollutant removal effectiveness of likely green infrastructure strategies;                                                                                                                                                                        | C                  |
|         | b. Estimate the amount and characteristics of land area that will be treated through green infrastructure by 2020, 2030, and 2040;                                                                                                                                                                                                                                                                                                                           | C                  |
|         | c. Estimate the amount of PCBs load reductions that will result from green infrastructure implementation by 2020, 2030, and 2040;                                                                                                                                                                                                                                                                                                                            | C                  |
|         | d. Quantitatively demonstrate that PCBs reductions of at least 3 kg/yr will be realized by 2040 through implementation of green infrastructure projects;                                                                                                                                                                                                                                                                                                     | C                  |
|         | e. Ensure that the calculation methods, models, model inputs and modeling assumptions used to fulfill C.12.c.ii(2)a-d have been validated through a peer review process.                                                                                                                                                                                                                                                                                     | C                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | (1) The Permittees shall submit in their 2018 Annual Report, as part of reporting for C.12.b.iii(3), the quantitative relationship between green infrastructure implementation and PCBs load reductions. This submittal shall include all data used and a full description of models and model inputs relied on to establish this relationship.                                                                                                              | B                  |
|         | (2) The Permittees shall submit in their 2020 Annual Report an estimate of the amount and characteristics of land area that will be treated through green infrastructure implementation by 2020, 2030, and 2040. This submittal shall include all data used and a full description of models and model inputs relied on to generate this estimate.                                                                                                           | B                  |
|         | (3) The Permittees shall submit in their 2020 Annual Report a reasonable assurance analysis to demonstrate quantitatively that PCBs reductions of at least 3 kg/yr will be realized by 2040 through implementation of green infrastructure projects. This submittal shall include all data used and a full description of models and model inputs relied on to make the demonstration and documentation of peer review of the reasonable assurance analysis. | B                  |
|         | (4) The Permittees shall submit as part of reporting for C.12.b.iii(4), beginning with their 2019 Annual Report an estimate of the amount of PCBs load reductions resulting from green infrastructure implementation during the term of the Permit. This submittal shall include all data used and a full description of models and model inputs relied on to generate this estimate.                                                                        | B                  |
|         | <b>C.12.d. Prepare Implementation Plan and Schedule to Achieve TMDL Wasteload Allocations</b>                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | <b>i. Task Description</b> – Permittees shall prepare a plan and schedule for PCBs control measure implementation and reasonable assurance analysis demonstrating that sufficient control measures will be implemented to attain the PCBs TMDL wasteload allocations by 2030.                                                                                                                                                                                | D                  |
|         | <b>ii. Implementation level</b> – Permittees shall prepare a PCBs control measures implementation plan and corresponding reasonable assurance analysis that demonstrates quantitatively that the plan will result in PCBs load reductions sufficient to attain the PCBs TMDL wasteload allocations by 2030. The plan                                                                                                                                         | D                  |
|         | (1) Identify all technically and economically feasible PCBs control measures to be implemented (including green infrastructure projects); and                                                                                                                                                                                                                                                                                                                | B                  |
|         | (2) Include a schedule according to which these technically and economically feasible control measures will be fully implemented; and                                                                                                                                                                                                                                                                                                                        | B                  |
|         | (3) Provide an evaluation and quantification of the PCBs load reduction of such measures as well as an evaluation of costs, control measure efficiency and significant environmental impacts resulting from their implementation.                                                                                                                                                                                                                            | B                  |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | Permittees shall submit the plan and schedule in the 2020 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                     | D                  |
|         | <b>C.12.e. Evaluate PCBs Presence in Caulks/Sealants Used in Storm Drain or Roadway Infrastructure in Public Rights-of-Way</b>                                                                                                                                                                                                                                                                                                                               |                    |



LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT

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|  | <b>i. Task Description</b> –Permittees shall collect samples of caulk and other sealants used in storm drains and between concrete curbs and street pavement and investigate whether PCBs are present in such material and in what concentrations. PCBs are most likely present in material applied during the 1970s, so the focus of the investigations should be on structures installed during this era.                                                                                                                                        | C |
|  | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
|  | Permittees shall collect at least 20 composite samples (throughout the permit-area) of the caulks and sealants used in storm drains or roadway infrastructure in public rights-of-way and analyze this material for PCBs in such a way as to be able to detect a minimum PCBs concentration of 200 parts per billion. This sampling and analysis will count toward partial fulfillment of the monitoring effort aimed at finding PCBs sources (see management information need in C.8.f).                                                          |   |
|  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
|  | Permittees shall report on the results (including all data gathered) of this investigation no later than the 2018 Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
|  | <b>C.12.f. Manage PCB-Containing Materials and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains</b>                                                                                                                                                                                                                                                                                                                                                                                                   |   |
|  | <b>i. Task Description</b> – Permittees shall develop and implement or cause to be developed and implemented an effective protocol for managing materials with PCBs concentrations of 50 ppm or greater in applicable structures at the time such structures undergo demolition so that PCBs do not enter MS4s. PCBs from these structures can enter storm drains during and/or after demolition through vehicle track- out, airborne releases, soil erosion, or stormwater                                                                        | C |
|  | Applicable structures include, at a minimum, commercial, public, institutional and industrial structures constructed or remodeled between the years 1950 and 1980 with building materials with PCBs concentrations of 50 ppm or greater. Single-family residential and wood frame structures are exempt.                                                                                                                                                                                                                                           | C |
|  | A Permittee is exempt from this requirement if it provides evidence acceptable to the Executive Officer that the only structures that existed pre-1980 within its jurisdiction were single-family residential and/or wood-frame structures.                                                                                                                                                                                                                                                                                                        | C |
|  | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
|  | (1) The Permittees shall develop a protocol by June 30, 2019, that includes each of the following components, at a minimum:                                                                                                                                                                                                                                                                                                                                                                                                                        | B |
|  | a. The necessary authority to ensure that PCBs do not enter MS4s from PCB- containing materials in applicable structures at the time such structures undergo demolition;<br>b. A method for identifying applicable structures prior to their demolition; and<br>c. Method(s) for ensuring PCBs are not discharged to the storm drain from demolition of applicable structures.                                                                                                                                                                     | B |
|  | (2) By July 1, 2019, and thereafter, the Permittees shall implement or cause to be implemented the PCBs management protocol for ensuring PCBs are not discharged to MS4s from demolition of applicable structures via vehicle track- out, airborne releases, soil erosion, or stormwater runoff.                                                                                                                                                                                                                                                   | B |
|  | (3) By July 1, 2019, Permittees shall develop an assessment methodology and data collection program to quantify in a technically sound manner PCBs loads reduced through implementation of the protocol for controlling PCBs during demolition of applicable structures.                                                                                                                                                                                                                                                                           | B |
|  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |   |
|  | (1) In their 2016, 2017, and 2018 Annual Reports, the Permittees shall summarize the steps they have taken to begin implementing this requirement, which could include working with State and local agencies on inter-agency coordination regarding building demolitions, developing ordinances or policies, obtaining information materials, updating or supplementing permit application materials, developing a tracking tool for potential PCB-containing structures, and training relevant staff as needed to comply with this sub-provision. | B |
|  | (2) Each Permittee seeking exemption from C.12.f requirements must submit in its 2017 Annual Report documentation, such as historic maps or other historic records, that clearly demonstrates that the only structures that existed pre-1980 within its jurisdiction were single-family residential and/or wood-                                                                                                                                                                                                                                   | B |

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|         | (3) In their 2020 Annual Report, the Permittees shall provide documentation demonstrating implementation with each of the minimum requirements in C.12.f.ii(1)(a)-(c).                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                  |
|         | (4) In their 2020 Annual Report and thereafter, the Permittees shall provide documentation of each of the following items:<br>a. The number of applicable structures that applied for a demolition permit during the reporting year; and<br>b. A running list of the applicable structures that applied for a demolition permit (since the date the PCBs control protocol was implemented) that had material(s) with PCBs at 50 ppm or greater, with the address, demolition date, and brief description of PCBs control method(s) used.                                                                                                 | B                  |
|         | (5) In their 2020 Annual Report, Permittees shall submit an assessment methodology and data collection program to quantify PCBs loads reduced through implementation of the protocol for controlling PCBs during building demolition. This should be reported at the regional level on behalf of all Permittees.                                                                                                                                                                                                                                                                                                                         | B                  |
|         | <b>C.12.g. Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
|         | <b>i. Task Description</b> –The Permittees shall conduct or cause to be conducted studies concerning the fate, transport, and biological uptake of PCBs discharged from urban runoff to San Francisco Bay margin areas.                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | <b>ii. Implementation Level</b> - The specific information needs include understanding the in-Bay transport of PCBs discharged in urban runoff, the sediment and food web PCBs concentrations in margin areas receiving urban runoff, the influence of urban runoff on the patterns of food web PCBs accumulation, especially in Bay margins, and the identification of drainages where urban runoff PCBs are particularly important in food web accumulation.                                                                                                                                                                           | D                  |
|         | <b>iii. Reporting</b> –The Permittees shall submit in their 2017 Annual Report a workplan describing the specific manner in which these information needs will be accomplished and describing the studies to be performed with a preliminary schedule. The Permittees shall report on status of the studies in their 2018 Annual Report. The Permittees shall report in the March 15, 2020, Integrated Monitoring Report the findings and results of the studies completed, planned, or in progress as well as implications of studies on potential control measures to be investigated, piloted or implemented in future permit cycles. | D                  |
|         | <b>C.12.h Implement a Risk Reduction Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | <b>i. Task Description</b> –The Permittees shall conduct an ongoing risk reduction program to address public health impacts of PCBs in San Francisco Bay/Delta fish. The fish risk reduction program shall take actions to reduce actual and potential health risks in those people and communities most likely to consume San Francisco Bay-caught fish, such as subsistence fishers and their families. The risk reduction framework developed in the Previous Permit term, which funded community-based organizations to develop and deliver appropriate communications to appropriately targeted individuals and communities, is an  | D                  |
|         | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (1) At a minimum, Permittees shall conduct or cause to be conducted an ongoing risk reduction program with the potential to reach 3,000 individuals annually who are likely consumers of San Francisco Bay-caught fish. Permittees are encouraged to collaborate with San Francisco Bay industrial and wastewater discharger agencies in meeting this requirement.                                                                                                                                                                                                                                                                       | D                  |
|         | (2) In year four of the Permit term, Permittees shall evaluate the effectiveness of their risk reduction program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
|         | <b>iii. Reporting</b> –The Permittees shall report on the status of the risk reduction program in each of their Annual Reports, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish. The Permittees shall report the findings of the effectiveness evaluation of their risk reduction program in their 2020 Annual Report.                                                                                                                                                                                                           | D                  |
|         | <b>C.13. Copper Controls</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|         | The Permittees shall implement the following control program for copper. The Permittees shall implement the control measures and accomplish the reporting on those control measures according to the provisions below. The purpose of these provisions is to implement the control measures identified in the Basin Plan amendment necessary to support the copper site-specific objectives in San Francisco Bay. The Permittees may comply with any requirement of C.13 Provisions through a collaborative effort.                                                                                                                      | B                  |

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|  | <b>C.13.a. Manage Waste Generated from Cleaning and Treating of Copper Architectural Features, Including Copper Roofs, during Construction and Post-Construction.</b>                                                                                                                                                     |   |
|  | <b>i. Task Description</b> – The Permittees shall prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features, including copper roofs.                                                                          | C |
|  | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                           |   |
|  | (1) The Permittees shall require, when issuing building permits, use of appropriate BMPs for managing waste during and post-construction.                                                                                                                                                                                 | C |
|  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                     |   |
|  | (1) In the 2016 Annual Report, the Permittees shall certify that legal authority currently exists to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs.                                      | D |
|  | (2) In the 2016 Annual Report, the Permittees shall report how copper architectural features are addressed through the issuance of building permits.                                                                                                                                                                      | D |
|  | (3) The Permittees shall report annually permitting and enforcement activities.                                                                                                                                                                                                                                           | D |
|  | <b>C.13.b. Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals</b>                                                                                                                                                                                                                      |   |
|  | <b>i. Task Description</b> – Permittees shall prohibit discharges to storm drains from pools, spas, and fountains that contain copper-based chemicals.                                                                                                                                                                    | D |
|  | <b>ii. Implementation Level</b> – The Permittees shall either: 1) require installation of a sanitary sewer discharge connection for pools, spas, and fountains, including connection for filter backwash, with a proper permit from the POTWs; or 2) require diversion of discharge for use in landscaping or irrigation. | D |
|  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                     |   |
|  | (1) In the 2016 Annual Report, the Permittees shall certify that legal authority currently exists to prohibit the discharges to storm drains of water containing copper-based chemicals from pools, spas, and fountains.                                                                                                  | D |
|  | (2) In the 2016 Annual Report, the Permittees shall report how copper- containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.                                                                                                                                | D |
|  | (3) The Permittees shall report annually on any enforcement activities                                                                                                                                                                                                                                                    | D |
|  | <b>C.13.c. Industrial Sources</b>                                                                                                                                                                                                                                                                                         |   |
|  | <b>i. Task Description</b> – The Permittees shall ensure industrial facilities do not discharge elevated levels of copper to storm drains by ensuring, through industrial facility inspections, that proper BMPs are in place.                                                                                            | D |
|  | <b>ii. Implementation Level</b>                                                                                                                                                                                                                                                                                           | D |
|  | (1) As part of industrial site controls required by Provision C.4, the Permittees shall identify facilities likely to use copper or have sources of copper (e.g.,                                                                                                                                                         | D |
|  | (2) The Permittees shall educate industrial inspectors on industrial facilities likely to use copper or have sources of copper and proper BMPs for them.                                                                                                                                                                  | D |
|  | (3) As part of the industrial inspection, inspectors shall ensure that proper BMPs are in place at such facilities to minimize discharge of copper to storm drains, including consideration of roof runoff that might accumulate copper deposits from ventilation systems on site.                                        | D |

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|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | D                  |
|         | The Permittees shall highlight copper reduction results in the industrial inspection component in the C.13 portion of each Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
|         | <b>C.14. City of Pacifica and San Mateo County Fecal Indicator Bacteria Controls</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |
|         | The City of Pacifica (City) and San Mateo County (County) Permittees shall implement Provision C.14 for fecal indicator bacteria. The City and County shall implement fecal indicator bacteria control measures in areas where benefits are most likely to accrue (focused implementation) and report on those control measures according to this provision. The goal of this provision is to implement the urban runoff (stormwater runoff and dry weather flows) requirements of the San Pedro Creek (Creek) and Pacifica State Beach (Beach) Indicator Bacteria TMDL (TMDL) and reduce exceedances of the bacterial water quality objectives for the water contact recreation beneficial use during the term of the Permit, thereby making substantial progress toward achieving the TMDL wasteload allocations. The wasteload allocations and the dates they must be attained by are listed in Table 14.1 below. The City and County may comply with any requirement of this provision through a collaborative effort. | NA                 |
|         | <ol style="list-style-type: none"> <li>1. Allowable exceedances are calculated by multiplying exceedance rates observed in the Reference System(s) by the Number of Days during each respective period in the reference year (1994).</li> <li>2. To end up with whole numbers, where the fractional remainder for the calculated allowable exceedance days exceeds 0.1, the number of days is rounded up.</li> <li>3. To determine the allowable number of exceedance events given a weekly sampling regime, as practiced for monitoring San Pedro Creek and Pacifica State Beach, the number of exceedance days was adjusted by solving for "X" in the following equation: <math>X = (\text{exceedance days} \times 52 \text{ weeks}) / 365 \text{ days}</math>.</li> <li>4. Wet weather is defined as any day with 0.1 inches of rain or more and the following three days.</li> </ol>                                                                                                                                   | NA                 |
|         | <b>C.14.a. Implement Control Measures to Achieve Indicator Bacteria Wasteload Allocations.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
|         | <b>i. Task Description</b> – The City and County shall implement bacteria control measures and pollution prevention strategies to prevent or reduce discharges of bacteria from their storm drain systems to meet the stormwater TMDL wasteload allocations in the San Pedro Creek watershed and Pacifica State Beach Indicator Bacteria TMDL (TMDL Project Area).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NA                 |
|         | <b>ii. Implementation Level</b> – In order to comply with this provision element:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |

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|  | (1) The County shall effectively prohibit potential illicit discharges into its storm sewer system from sanitary sewer overflows or the sanitary sewer lines within its jurisdiction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NA |
|  | (2) The County shall address bacteria discharges from the existing and future commercial horse and dog kennel facilities (facilities) into its storm sewer system within its jurisdiction as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NA |
|  | (a) Conduct annual site inspections of each facility for code compliance by June 30 of each year, beginning in 2016.<br>(b) Conduct an annual compliance review of each facility's current manure, stormwater, and drainage management plans by June 30 of each year, beginning in 2016.<br>(c) Enforcement actions for noncompliant facilities will be in line with the County's Confined Animal Ordinance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NA |
|  | (3) The City shall address bacteria discharges from the existing and future commercial horse facilities (facilities) within its jurisdiction as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NA |
|  | (a) Review each facility's compliance with the City's Administrative Policy on "Standards for Keeping Animals."<br>(b) Review each facility's compliance with the City's Municipal Code on "Animal Excreta."<br>(c) Conduct annual compliance review and inspection of each facility by June 30 of each year, beginning in 2016.<br>(d) Take progressive enforcement action(s), as needed, to bring noncompliant facilities into compliance with the City's Administrative Policy on "Standards for Keeping Animals" and Municipal Code on "Animal Excreta."<br>(4) The City shall install new dog waste clean-up signs, waste bag dispensers, and trash cans at a minimum of 10 (ten) high priority locations within the TMDL Project Area (each site to receive all three elements: sign, bag dispenser, and trash can, unless some of the elements are already in place) by June 30, 2016. The high priority sites for these installations shall be determined via visual inspections of popular dog walking areas and their potential to | NA |
|  | (5) The City shall develop and implement a visual inspection and cleanup plan for high dog waste accumulation areas along San Pedro Creek and its tributaries by June 30, 2016. From April 1 through October 31, inspections and cleanups shall, at a minimum, be conducted on a quarterly basis (e.g., once each in April, July, and October). From November 1 through March 31, inspections and cleanups shall be conducted prior to forecast rain events with a forecast rainfall depth of 0.2 inches or more (as measured at Half Moon Bay Airport (KHAF) Meteorological Station), and at a frequency of no less than                                                                                                                                                                                                                                                                                                                                                                                                                    | NA |
|  | (6) The City shall develop and implement an enhanced pet waste public outreach and education campaign by June 30, 2016, that, at a minimum, includes all the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA |

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|         | (a) Explore the possibility of establishing a new public pet waste management stakeholder group (e.g., formal or informal dog owners club).<br>(b) Prepare and implement public service announcements regarding pet waste management and associated impacts to the Creek and Beach to play on the local television station and to include in print ads in the Pacifica Tribune.                                                                                                                                                                                                                               | NA                 |
|         | (c) Distribute a mailer with an informational brochure to residents and businesses describing proper pet waste management, the linkage of the watershed to the Creek and Beach, and the adverse impact on those water bodies and those recreating in them from improper pet waste management.<br>(d) Add a new web page to the City website with information on the TMDL and the water quality monitoring and BMP implementation activities, as well as information about proper pet waste management and the impact of improperly deposited waste on water quality of the Creek and Beach and public health. | NA                 |
|         | (e) Create and implement a pre-rain pet waste cleanup email alert to residents, reminding them to cleanup accumulated pet waste in their yards that could otherwise get washed into the Creek and Beach.<br>(f) Participate in local events and festivals to distribute pet waste management materials (educational fliers, dog waste bags, etc.).                                                                                                                                                                                                                                                            | NA                 |
|         | (7) The City and County, based on the results of the source characterization and BMP effectiveness, and wasteload allocation attainment analyses described in sections C.14.b-c, shall modify or refocus control measure implementation efforts as appropriate, at a frequency of no less than every two                                                                                                                                                                                                                                                                                                      | NA                 |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|         | (1) No later than March 15 of each year, the City and County shall submit a comprehensive TMDL Status and Monitoring Report, reporting on the specific control measures (as listed in section C.14.a ii above) that have been implemented in the TMDL Project Area during the foregoing October 1 through                                                                                                                                                                                                                                                                                                     | NA                 |
|         | (a) The number, type, and locations and/or frequency (if applicable) of control measures;<br>(b) The description, scope, and start date of pollution prevention measures; and<br>(c) Clear statements of the responsibilities of each participating Permittee for implementation of pollution prevention or control measures.                                                                                                                                                                                                                                                                                 | NA                 |
|         | (2) Beginning with the 2017 TMDL Status and Monitoring Report and continuing in all TMDL Status and Monitoring Reports, the City and County shall update all the information as necessary to account for new control measures implemented, but not described in the 2016 TMDL Status and Monitoring Report or revisions to control measures.                                                                                                                                                                                                                                                                  | NA                 |
|         | <b>C.14.b. Conduct Water Quality Monitoring to Assess Attainment of Wasteload Allocations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
|         | <b>i. Task Description</b> - The purpose of the attainment monitoring is to determine whether or not the TMDL wasteload allocations are attained                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA                 |
|         | <b>ii. Implementation Level</b> - In order to comply with this provision element, the City and County shall conduct attainment water quality monitoring activities as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                | NA                 |
|         | (1) Sample Locations – Two stations shall be monitored to assess attainment of wasteload allocations for stormwater runoff and dry weather flows: the mouth of San Pedro Creek (Creek Mouth) and Pacifica State Beach (Linda Mar #5).                                                                                                                                                                                                                                                                                                                                                                         | NA                 |
|         | (2) Sampling Frequency – The two attainment stations shall be monitored weekly on an ongoing basis for fecal indicator bacteria. The weekly sampling shall occur year-round regardless of weather conditions, provided the conditions are safe for field staff to collect the samples.                                                                                                                                                                                                                                                                                                                        | NA                 |

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|  | (3) Constituents –Fecal indicator bacteria species measured in freshwater samples collected from the Creek Mouth shall include E. coli and total coliform. Fecal indicator bacteria species measured in ocean water samples collected from Linda Mar #5 station shall include enterococci, fecal coliform, and total                                                                                                                                                                                                                                                                                                                                                                                                 | NA |
|  | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |
|  | (1) In their Annual TMDL Status and Monitoring Reports submitted on March 15 each year, the City and County shall analyze, summarize, and report the results of the ongoing attainment monitoring, as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA |
|  | (a) The City and County shall complete a data evaluation, which shall focus on determining whether the TMDL wasteload allocations are being attained in San Pedro Creek and at Pacifica State Beach.<br>(b) The indicator bacteria results from the attainment monitoring stations (Creek Mouth and Linda Mar #5 stations) shall be compared to applicable bacterial water quality objectives and the allowable exceedances of those objectives as specified in the TMDL (Table 14.1).<br>(c) The data evaluation shall include tabulation and review of local rainfall data to determine whether the weekly attainment monitoring sampling events occurred during dry weather or wet weather.                       | NA |
|  | (d) An ongoing quantitative analysis of trends in bacteria densities and exceedances of applicable water quality objectives at the two attainment stations shall be conducted and reported annually.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NA |
|  | (e) A detailed and comprehensive assessment of wasteload allocation attainment by the end of year 4 of the Permit term shall be completed. If wasteload allocations are not achieved by the end of the Permit term, no later than 180 days prior to Permit expiration, the City and County shall submit a plan in their Report Of Waste Discharge, acceptable to the Executive Officer, that describes additional control measures or increased levels of existing control measures that will be implemented to prevent or reduce discharges of bacteria to storm drain systems to attain wasteload allocations. The plan shall include implementation methods, an implementation schedule, and proposed milestones. | NA |
|  | <b>C.14.c. Conduct Water Quality Monitoring to Characterize Sources of Bacteria in The Project Area and to Assess BMP Effectiveness</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |
|  | <b>i. Task Description</b> – The purpose of characterization monitoring is to better characterize indicator bacteria contributions from specific sources and to evaluate control measure effectiveness. The characterization monitoring shall provide data to:                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA |
|  | (1) Characterize indicator bacteria densities in subwatersheds, storm drain outfalls, and pump stations that have not been sampled in the past. Results of the investigation may be used to drive future control measure actions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NA |
|  | (2) Establish baseline (or current) conditions against which future monitoring results can be compared following new or ongoing control measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA |

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|         | Characterization monitoring shall be conducted every other year on a water year basis (i.e., October 1 through September 30) beginning with Water Year 2016 (WY2016) (i.e., October 1, 2015 – September 30, 2016). WY2016 characterization monitoring shall assess E. coli densities throughout the San Pedro Creek watershed, with a focus on the culverted branches of the North Fork. The City and County may elect to focus on other areas with potential or suspected bacteria sources during subsequent years. In WY2016, human-, horse-, and dog-specific genetic markers shall be analyzed for a subset of the samples to investigate whether these species contribute fecal contamination to the Creek. The characterization monitoring shall be iterative in nature and allow for flexibility of design and details in future years. Subsequent years of characterization monitoring, at a minimum, shall have the same level of effort as WY2016; however, in future years, based on the results of the WY2016 monitoring, alternative sampling stations may be targeted, sampling intensities may be modified, sampling frequencies may be adjusted, and/or the species- specific genetic marker sampling may be revised. | NA                 |
|         | <b>ii. Implementation Level</b> – The City and County shall conduct characterization monitoring activities as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NA                 |
|         | (1) Sample Locations – in WY2016, a minimum of twelve sampling stations shall be monitored. The selected sampling stations for the WY2016 characterization monitoring are divided into three separate categories, as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NA                 |
|         | (a) Subwatersheds – Four subwatersheds shall be targeted in WY2016: the North Fork (three stations), Middle Fork (one station), Sanchez Fork (one station), and Main Stem (three stations);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NA                 |
|         | (b) Pump stations – The Linda Mar and Anza pump stations shall be sampled during wet weather discharge events to the Beach (during dry weather, flows entering these stations are pumped to a wastewater treatment facility and do not discharge to the Creek or Beach);                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA                 |
|         | (c) Stormwater outfalls – The Crespi Canal, which is an engineered and concrete-lined drainage ditch, shall be sampled if it has flowing water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NA                 |
|         | In addition to the above stations, the Creek mouth shall be also sampled during events when species-specific genetic marker samples are collected (see section C.14.c.ii.3).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NA                 |
|         | In monitoring years subsequent to the WY2016 monitoring year, based on the results of the WY2016 monitoring, the sample locations and quantity may be modified. However, in each subsequent monitoring year, a minimum of one hundred ten (110) fecal indicator bacteria samples shall be collected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | NA                 |
|         | (2) Sampling Frequency – in WY2016, the characterization stations shall be sampled a minimum of ten times over the course of the water year, as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA                 |
|         | (a) Characterization monitoring shall begin in WY2016 with the first sample collected in Winter 2016;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NA                 |
|         | (b) Wet season – Five sampling events shall be conducted during each of the wet season months (November through March). To the extent possible, wet season sampling events shall occur during wet weather, which as defined in the TMDL is any day with 0.1 inch of rain or more and the following three                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA                 |
|         | (c) Dry season – Five sampling events shall be conducted during the dry season on a monthly basis from May through September.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NA                 |
|         | In subsequent monitoring years, based on the results of the WY2016 monitoring, the sampling frequency may be modified. However, in each subsequent monitoring year, a minimum of one hundred ten (110) fecal indicator bacteria samples shall be collected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NA                 |
|         | (3) Constituents – All samples shall be analyzed for E. coli. In addition, during each monitoring year (i.e., WY2016, and every other water year thereafter), at a minimum, samples collected at four stations during four sampling events (two wet season, two dry season) shall be analyzed for human-, horse-, and dog-specific genetic markers to assess whether the targeted host species contribute fecal contamination to the Creek and Beach.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NA                 |



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|         | (4) Monitoring Protocols and Data Quality – Where applicable, monitoring data must be SWAMP comparable. Minimum data quality shall be consistent with the latest version of the SWAMP Quality Assurance Project Plan (QAPP) for applicable parameters, including data quality objectives, field and laboratory blanks, field duplicates, laboratory spikes, and clean techniques, using the most recent SWAMP Standard Operating Procedures.                                                                                                                                                                                                                                                                                                                                     | NA                 |
|         | (5) Future Revisions – Any and all changes to the characterization monitoring plan in subsequent years (e.g., WY2018, WY2020, etc.) shall be submitted to the Executive Officer for review and acceptance no later than 90 days prior to implementation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NA                 |
|         | <b>iii. Reporting</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |
|         | (1) In their Annual TMDL Status and Monitoring Reports beginning with the 2016 report submitted on March 15, 2017, and every other year's report thereafter, the City and County shall submit a comprehensive Characterization Monitoring Report reporting on all data collected during the preceding October 1 through September monitoring period.                                                                                                                                                                                                                                                                                                                                                                                                                             | NA                 |
|         | (2) Data evaluation shall focus on addressing the following questions:<br>(a) Which land uses and/or sources contribute most to bacteria impairments in San Pedro Creek watershed?<br>(b) Are controllable sources of fecal contamination (e.g., human, horses, and dogs) present in the San Pedro Creek watershed?<br>(c) What are the multi-year indicator bacteria density trends in the Creek and at the Beach (i.e., do control measures appear to be reducing bacteria)?<br>(3) As appropriate, the Report shall include the following:<br>(a) Immediately following the Table of Contents, a Data Tables section that includes all the data collected pursuant to Provision C.14.d. and contains the following information pertaining to the foregoing monitoring period: | NA                 |
|         | (i) A map showing all monitoring locations;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NA                 |

| LEGEND: C = CITY      D = DISTRICT      B = BOTH CITY & DISTRICT |                                                                                                                                                                                                                                                                                                                                  | Responsible Agency |
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| Section                                                          |                                                                                                                                                                                                                                                                                                                                  |                    |
|                                                                  | (ii) Immediately following the map, a single completed Locations and Parameters Table containing the following columns or rows for each location sampled: numeric site identifier, a short-hand site name such as "Creek Mouth," latitude, longitude, and parameters assessed;                                                   | NA                 |
|                                                                  | (iii) Immediately following the Locations and Parameters Table, a single completed Results Table containing the following columns or rows for each location sampled: the short-hand site name and datum/result for each constituent analyzed. Constituents that exceed applicable water quality objectives shall be highlighted. | NA                 |
|                                                                  | (b) For all data, a statement of the data quality                                                                                                                                                                                                                                                                                | NA                 |
|                                                                  | (c) An analysis of the data, which includes the following:                                                                                                                                                                                                                                                                       | NA                 |

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| Section |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Responsible Agency |
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|         | <ul style="list-style-type: none"> <li>(i) Basic descriptive statistics using indicator bacteria data;</li> <li>(ii) Identification and evaluation of any controllable sources of fecal contamination (e.g., human, horses, and dogs) present in the San Pedro Creek watershed;</li> <li>(iii) Identification and analysis of any trends in stormwater or receiving water quality; and</li> <li>(iv) Consideration of variability in the data sets.</li> <li>(d) A discussion of the data, which shall:                             <ul style="list-style-type: none"> <li>(i) Discuss monitoring data relative to prior conditions, beneficial uses and applicable water quality standards as described in the Basin or the Ocean plans;</li> <li>(ii) Where appropriate, develop hypotheses to investigate regarding pollutant sources, trends, and BMP effectiveness;</li> <li>(iii) Identify and prioritize water quality problems;</li> <li>(iv) Identify potential sources of water quality problems;</li> <li>(v) Describe followup actions;</li> <li>(vi) Evaluate the effectiveness of existing control measures; and</li> <li>(vii) Identify management actions needed to address water quality problems.</li> </ul> </li> </ul> | NA                 |
|         | <b>C.15. Exempted and Conditionally Exempted Discharges</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | The objective of this provision is to exempt unpolluted non-stormwater discharges from Discharge Prohibition A.1 and to conditionally exempt non-stormwater discharges that are potential sources of pollutants. In order for non-stormwater discharges to be conditionally exempted from Discharge Prohibition A.1, the Permittees must identify appropriate BMPs, monitor the non-stormwater discharges where necessary, and ensure implementation of effective control measures – as listed below – to eliminate adverse impacts to waters of the State consistent with the discharge prohibitions of the Order.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
|         | <b>C.15.a. Exempted Non-Stormwater Discharges (Exempted Discharges):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |
|         | <b>i. Discharge Type</b> – In carrying out Discharge Prohibition A.1, the following unpolluted discharges are exempted from prohibition of non-stormwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |

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|         | (1) Flows from riparian habitats or wetlands;<br>(2) Diverted stream flows;<br>(3) Flows from natural springs;<br>(4) Rising ground waters;<br>(5) Uncontaminated and unpolluted groundwater infiltration;<br>(6) Single family homes' pumped groundwater, foundation drains, and water from crawl space pumps and footing drains;<br>(7) Pumped groundwater from drinking water aquifers (excludes well development); and<br>(8) NPDES permitted discharges (individual or general permits).                                  | D                  |
|         | <b>ii. Implementation Level</b> – The non-stormwater discharges listed in Provision C.15.a.i above are exempted unless they are identified by the Permittees or the Executive Officer as sources of pollutants to receiving waters. If any of the above categories of discharges, or sources of such discharges, are identified as sources of pollutants to receiving waters, such categories or sources shall be addressed as conditionally exempted discharges in accordance with Provision C.15.b below.                    | D                  |
|         | <b>C.15.b. Conditionally Exempted Non-Stormwater Discharges:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
|         | The following non-stormwater discharges are also exempt from Discharge Prohibition A.1 if they are either identified by the Permittees or the Executive Officer as not being sources of pollutants to receiving waters, or if appropriate control measures to eliminate adverse impacts of such sources are developed and implemented in accordance with the tasks and implementation levels of each category of Provision C.15.b.i-vi below.                                                                                  | D                  |
|         | <b>i. Discharge Type</b> – Pumped Groundwater, Foundation Drains, and Water from Crawl Space Pumps and Footing Drains                                                                                                                                                                                                                                                                                                                                                                                                          |                    |
|         | (1) <b>Pumped Groundwater from Non-Drinking Water Aquifers</b> Groundwater pumped from a monitoring well, used for groundwater basin management, which is owned and/or operated by a Permittee is allowed if the following requirements are met:                                                                                                                                                                                                                                                                               | NA                 |
|         | (a) <b>Implementation Level</b> - Twice a year (once during the wet season and once during the dry season), representative samples shall be taken from each aquifer that potentially will discharge or has discharged into a storm drain. Samples collected and analyzed for compliance in accordance with self-monitoring requirements of other NPDES permits or sample data collected for drinking water regulatory compliance may be submitted to comply with this requirement as long as they meet the following criteria: | NA                 |

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|         | (i) The water samples shall meet water quality standards consistent with the existing effluent limitations or pollutant triggers in the Water Board's NPDES Groundwater General Permit, NPDES No. CAG912002.                                                                                                                                                                                 | NA                 |
|         | (ii) The water samples shall be analyzed using approved U.S. EPA methods: (a) U.S. EPA Method 8015 Modified for total petroleum hydrocarbons; (b) U.S. EPA Method 8260B and 8270C or equivalent for volatile and semi-volatile organic compounds; and (c) approved U.S. EPA methods to meet the triggers for the metals listed in the general permit discussed in C.15.(b)i.(1)(a)(i) above. | NA                 |
|         | (iii) The water samples shall be analyzed for pH and turbidity. If a Permittee is unable to comply with the above criteria, the Permittee shall notify the Water Board upon becoming aware of the compliance issue.                                                                                                                                                                          | NA                 |
|         | (b) <b>Required BMPs and Monitoring</b> – When greater than 2,500 gallons per day of uncontaminated (meeting the criteria in C.15.b.i.(1)(a)(i)) groundwater is discharged from these monitoring wells, the following shall be implemented:                                                                                                                                                  | NA                 |

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|         | <p>(i) Test the receiving water, upstream and downstream of the discharge point, to determine ambient turbidity and pH prior to discharging. Receiving water monitoring is not required if the discharge infiltrates into a dry creek immediately downstream.</p> <p>(ii) Test water samples for turbidity and pH on the first two consecutive days of dewatering.</p> <p>(iii) Maintain proper control of the discharge at the discharge point to prevent erosion, scouring of banks, nuisance, contamination, and excess sedimentation in the receiving waters.</p> <p>(iv) Maintain proper control of the flowrate and total flow during discharge so that it will not have a negative impact on the receiving waters.</p> <p>(v) Appropriate BMPs shall be implemented to remove total suspended solids and silt to allowable discharge levels. Appropriate BMPs may include filtration, settling, coagulant application with no residual coagulant discharge, minor odor or color removal with activated carbon, small scale peroxide addition, or other minor treatment.</p> <p>(vi) Turbidity of the discharged groundwater shall be maintained below 50 NTU for discharges to dry creeks, 110 percent of the ambient stream turbidity for a flowing stream with turbidities greater than 50 NTU, or 5 NTU above ambient turbidity for flowing streams with turbidities less than or equal to 50 NTU.</p> <p>(vii) The pH of the discharged groundwater shall be maintained within the range of 6.5 to 8.5 and shall not vary from normal ambient pH by more than 0.5 pH units.</p> | NA                 |
|         | maintained within the range of 6.5 to 8.5 and shall not vary from normal ambient pH by more than 0.5 pH units.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NA                 |
|         | (c) If the Permittee is unable to comply with the criteria in Provision C.15.b.i.(1)(b)(i)-(vii), discharge shall cease immediately and the Permittee shall employ treatment to meet the above criteria, use other means of disposal, or apply for coverage under the Water Board's NPDES Groundwater General Permits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NA                 |
|         | (d) <b>Reporting</b> – The Permittees shall maintain records of these discharges, BMPs implemented, and any monitoring data collected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NA                 |
|         | <b>(2) Pumped41 Groundwater, Foundation Drains, and Water from Crawl Space Pumps and Footing Drains</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |
|         | (a) Proposed new discharges of uncontaminated groundwater at flows of 10,000 gallons/day or more and all new discharges of potentially contaminated groundwater shall be reported to the Water Board so that they can be subject to NPDES permitting requirements. Proposed new discharges of uncontaminated groundwater at flows of less than 10,000 gallons/day shall be encouraged to discharge to a landscaped area or bioretention unit that is large enough to accommodate the volume.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NA                 |

LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT

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|  | (b) If the groundwater cannot be discharged to a landscaped area or bioretention unit and the discharge is greater than 2,500 gallons per day, it can only be considered for discharge once the following sampling is done to verify that the discharge is uncontaminated:<br>(i) The discharge shall meet WQS consistent with the existing effluent limitations or pollutant triggers in the Water Board's NPDES Groundwater General Permit, NPDES No. CAG912002.<br>(ii) The Permittees shall require that water samples from these discharge types be analyzed using the following approved U.S. EPA methods:    | NA |
|  | <ul style="list-style-type: none"> <li>U.S. EPA Method 8015 Modified for total petroleum hydrocarbons, and U.S. EPA Method 8260B and 8270C or equivalent for volatile and semi-volatile organic compounds.</li> <li>The approved U.S. EPA Methods for the metals listed below that meet the corresponding Reporting Limits:</li> </ul>                                                                                                                                                                                                                                                                              | NA |
|  | (c) Monitoring and Required BMPs – When the discharge has been verified as uncontaminated per sampling completed in C.15.b.i.(2)(b) above, the Permittees shall require the following:                                                                                                                                                                                                                                                                                                                                                                                                                              | NA |
|  | (i) Test the receiving water, upstream and downstream of the discharge point, to determine ambient turbidity and pH prior to discharging. Receiving water monitoring is not required if the discharge infiltrates into a dry creek immediately downstream or if accessing the sampling points poses safety to personnel.<br>(ii) Test water samples for turbidity and pH on the first two consecutive days of dewatering.<br>(iii) Maintain proper control of the discharge at the discharge point to prevent erosion, scouring of bank, nuisance, contamination, and excess sedimentation in the receiving waters. | NA |
|  | (iv) Maintain proper control of the flow rate and total flow during discharge so that it will not have a negative impact on the receiving waters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NA |
|  | (v) Appropriate BMPs to render pumped groundwater free of pollutants and therefore exempted from prohibition may include the following: filtration, settling, coagulant application with no residual coagulant discharge, minor odor or color removal with activated carbon, small scale peroxide addition, or other minor treatment.                                                                                                                                                                                                                                                                               | NA |
|  | (vi) Turbidity of discharged groundwater shall be maintained below 50 NTU for discharges to dry creeks, 110 percent of the ambient stream turbidity for a flowing stream with turbidities greater than 50 NTU, or 5 NTU above ambient turbidity for a flowing stream with turbidities less than or equal to 50 NTU.                                                                                                                                                                                                                                                                                                 | NA |
|  | (vii) The pH of discharged water shall be maintained within the range of 6.5 to 8.5 and shall not vary from normal ambient pH by more than 0.5 pH units.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NA |
|  | (d) If a Permittee determines that a discharger or a project proponent is unable to comply with the criteria in C.15.b.i.(2)(c)(i)-(vii), the Permittee shall require the discharge to cease immediately and require that the discharger employ treatment to meet the above criteria, use other means of disposal, or apply for coverage under the Water Board's NPDES Groundwater General Permit.                                                                                                                                                                                                                  | NA |
|  | (e) <b>Reporting</b> – The Permittees shall maintain records of these discharges, BMPs implemented, and any monitoring data collected                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NA |
|  | <b>ii. Discharge Type – Air Conditioning Condensate</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D  |
|  | <b>Required BMPs</b> – Condensate from air conditioning units shall be reused or directed to landscaped areas or the ground. Discharge to a storm drain system may be allowed if discharge to landscaped areas or the ground is not feasible.                                                                                                                                                                                                                                                                                                                                                                       | D  |
|  | <b>iii. Discharge Type</b> – Emergency Discharges of Potable Water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D  |

LEGEND: C = CITY D = DISTRICT B = BOTH CITY & DISTRICT

| Section                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Responsible Agency |
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| (1) <b>Emergency Discharges</b> -Discharges resulting from firefighting activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C                  |
| (2) Required BMPs<br>(a) The Permittees shall implement or require firefighting personnel to implement BMPs for emergency discharges. However, the BMPs should not interfere with immediate emergency response operations or impact public health and safety. BMPs may include, but are not limited to, the plugging of the storm drain collection system for temporary storage, the proper disposal of water according to jurisdictional requirements, and the use of foam where there may be toxic substances on the property the fire is located.<br>(b) During emergency situations, priority of efforts shall be directed toward life, property, and the environment (in descending order). The Permittees or firefighting personnel shall control the pollution threat from their activities to the extent that time and resources allow. | C                  |
| (3) <b>Reporting Requirements</b> – Reporting requirements will be determined by Water Board staff on a case-by-case basis, such as for fire incidents at chemical plants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
| <b>iv. Discharge Type – Individual Residential Car Washing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | D                  |
| <b>Required BMPs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
| (1) The Permittees shall discourage through outreach efforts individual residential car washing within their jurisdictional areas that discharge directly into their storm drain systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | D                  |
| (2) The Permittees shall encourage individuals to direct car wash waters to landscaped areas, use as little detergent as necessary, or wash cars at commercial car wash facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
| <b>v. Discharge Type – Swimming Pool, Hot Tub, Spa, and Fountain Water Discharges</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | D                  |
| (1) <b>Required BMPs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | D                  |
| (a) The Permittees shall prohibit discharge of water that contains chlorine residual, copper algaecide, filter backwash or other pollutants to storm drains or to waterbodies. Such polluted discharges from pools, hot tubs, spas, and fountains shall be directed to the sanitary sewer (with the local sanitary sewer agency's approval) or to landscaped areas that can accommodate the volume.                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
| (b) Discharges from swimming pools, hot tubs, spas and fountains shall be allowed into storm drain collection systems only if there are no other feasible disposal alternatives (e.g., disposal to sanitary sewer or landscaped areas) and if the discharge is properly dechlorinated to non-detectable levels of chlorine consistent with water quality standards.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | D                  |
| (c) The Permittees shall require that new or rebuilt swimming pools, hot tubs, spas and fountains within their jurisdictions have a connection <sup>45</sup> to the sanitary sewer to facilitate draining events. The Permittees shall coordinate with local sanitary sewer agencies to determine the standards and requirements necessary for the installation of a sanitary sewer discharge location to allow draining events for pools, hot tubs, spas, and fountains to occur with the proper permits from the local sanitary sewer agency.                                                                                                                                                                                                                                                                                                 | D                  |
| (d) The Permittees shall improve their public outreach and educational efforts and ensure implementation of the required BMPs and compliance in commercial, municipal, and residential facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | D                  |
| (e) The Permittees shall implement the Illicit Discharge Enforcement Response Plan from C.5.b for polluted (contains chlorine, copper algaecide, filter backwash, or other pollutants) swimming pool, hot tub, spa, or fountain waters that get discharged into the storm drain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | C                  |
| (2) <b>Reporting</b> – The Permittees shall keep records of the authorized major discharges of dechlorinated pool, hot tubs, spa, and fountain water to the storm drain, including BMPs employed; such records shall be available for inspection by the Water Board.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | D                  |
| <b>vi. Discharge Type – Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | C                  |
| (1) <b>Required BMPs</b> -The Permittees shall promote measures that minimize runoff and pollutant loading from excess irrigation via the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C                  |



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|         | (a) Promoting and/or working with potable water purveyors to promote conservation programs that minimize discharges from lawn watering and landscape irrigation practices;                                                                                                                                                                                                                                                                                                                                                                                                              | C                  |
|         | (b) Promoting outreach messages regarding the use of less toxic options for pest control and landscape management;                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | C                  |
|         | (c) Promoting and/or working with potable water purveyors to promote the use of drought tolerant, native vegetation to minimize landscape irrigation                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | (d) Promoting and/or working with potable water purveyors to promote outreach messages that encourage appropriate applications of water needed for irrigation and other watering practices; and                                                                                                                                                                                                                                                                                                                                                                                         | C                  |
|         | (e) Implementing the Illicit Discharge Enforcement Response Plan from C.5.b, as necessary, for ongoing, large-volume landscape irrigation runoff to their storm drain systems.                                                                                                                                                                                                                                                                                                                                                                                                          | C                  |
|         | (2) <b>Reporting</b> – The Permittees shall provide implementation summaries in their Annual Report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C                  |
|         | <b>C.16. Discharges to Areas of Special Biological Significance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |
|         | This Provision applies to stormwater discharges from the County of San Mateo into James V. Fitzgerald Marine Reserve Area of Special Biological Significance (ASBS). As set forth in the Fact Sheet, the State Water Board granted an exception to the ASBS discharge prohibition (ASBS Exception) in the                                                                                                                                                                                                                                                                               | NA                 |
|         | <b>C.16.a. Discharges to the James V. Fitzgerald Marine Reserve ASBS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | i. If the County of San Mateo meets all of the conditions set forth in Provision C.16.a.i. and C.16.a.ii., its stormwater discharges into the James V. Fitzgerald Marine Reserve ASBS from MS4 outfalls that were constructed or were under construction prior to January 1, 2005, are permitted for those discharges that:<br>(1) Are essential for flood control or slope stability, including roof, landscape, road, and parking lot drainage;<br>(2) Are designed to prevent soil erosion;<br>(3) Occur only during wet weather; and<br>(4) Are composed only of stormwater runoff. | NA                 |

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|         | ii. The County of San Mateo shall comply with all of the applicable terms, prohibitions, and special conditions of the Special Protections of the ASBS Exception set forth in State Water Board Resolution No. 2012-0012, as amended by State Water Board Resolution No. 2012-0031, including monitoring requirements, as they apply to stormwater. The Special Protections are hereby incorporated by reference into this Order and attached hereto as Attachment F. Notwithstanding anything to the contrary in this Order, the County of San Mateo shall not alter the natural ocean quality of the ASBS; shall not discharge trash into the ASBS; and shall not discharge non-stormwater into the ASBS except as provided in the Special Protections. As required by the Special Protections, the County of San Mateo shall address the preceding requirements (other than trash) in an ASBS Compliance Plan to be approved by the State Water Board Executive Director or the Regional Water Board Executive Officer and comply with the compliance schedule set forth in the Special | NA                 |
|         | iii. Reporting – In addition to the monitoring requirements of the Special Restrictions, the County of San Mateo shall submit, upon approval by the State Water Board Executive Director, a copy of its approved ASBS Compliance Plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NA                 |
|         | <b>C.17. Annual Reports</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |
|         | <b>C.17.a.</b> The Permittees shall submit Annual Reports electronically in all cases by September 30 of each year. Each Annual Report shall report on the previous fiscal year beginning July 1 and ending June 30. The annual reporting requirements are set forth in Provisions C.1 – C.16. A paper copy of each Annual Report shall be submitted by October 15 of each year. The Permittees shall retain documentation as necessary to support their Annual Report. The Permittees shall make this supporting information available upon request within a timely manner, generally no more than ten business days unless otherwise agreed to by the Executive Officer.                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
|         | <b>C.17.b.</b> The Permittees shall collaboratively develop a common annual reporting format for acceptance by the Executive Officer by April 1, 2016. The resulting Annual Report Form, once approved, shall be used by all Permittees. The Annual Report Form may be changed by April 1 of each year for the following Annual Report, to more accurately reflect the reporting requirements of Provisions C.1 – C.16, with the agreement of the Permittees and by the approval of the Executive Officer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |
|         | <b>C.17.c.</b> The Permittees shall certify in each Annual Report that they are in compliance with all requirements of the Order. If a Permittee is unable to certify compliance with a requirement, it must submit, in the cover letter of the Annual Report, the reason for failure to comply, a description and schedule of tasks necessary to achieve compliance, and an estimated date for achieving full compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B                  |

Approved as to form:

By:  for  
Veronica A.F. Nebb  
City Attorney

MEMORANDUM OF UNDERSTANDING  
BETWEEN THE  
CITY OF VALLEJO  
AND THE  
VALLEJO FLOOD AND WASTEWATER DISTRICT

Recitals

A. The City of Vallejo, hereafter referred to as “City,” and Vallejo Flood and Wastewater District, hereafter referred to as the “District,” share responsibility for the California Regional Water Quality Control Board San Francisco Bay Region (“Regional Board”) Municipal Regional Stormwater NPDES Permit No. CAS612008, pursuant to Order No. R2-2022-0018, as amended by Order No. R2-2023-0019 (the “MRP”).

B. City and District have reviewed the MRP and have jointly determined which entity is responsible for each provision, to ensure all requirements are implemented appropriately.

C. City and District have developed Attachment “A” which generally specifies the responsible party(s) for provisions in the MRP.

D. This Memorandum of Understanding between City and District formalizes the responsibilities of both entities in relation to the requirements specified in Attachment “A.”

E. This Memorandum of Understanding serves as a foundation for a cooperative and mutually beneficial working relationship between the City and the District.

F. The City and District are members of the Solano Stormwater Alliance and have signed a separate and independent MOU outlining their respective responsibilities under that agreement.

Agreement

NOW THEREFORE, City and District mutually agree as follows:

1. City and District enter this Memorandum of Understanding and accept the delineation of responsibilities specified in Attachment “A.” Said document is attached hereto and incorporated herein by reference.
2. City and District recognize that further additional practical experience in performing the responsibilities set forth in Attachment “A” may prove certain responsibilities would more appropriately be borne by an entity or entities other than as shown therein. Therefore, upon request of either entity, the parties shall meet and confer in good faith and propose such amendments to Attachment “A” as may be appropriate. Amendments to this Memorandum of Understanding, if any, may be approved by the District General Manager on behalf of the District and by the City Council on behalf of the City.
3. This Memorandum of Understanding will become effective upon full execution of this document by both parties.

(Signatures on following page)

IN WITNESS WHEREOF, the parties have executed this Memorandum of Understanding on the day and year shown below the name of each of the parties.

VALLEJO FLOOD AND WASTEWATER  
DISTRICT

CITY OF VALLEJO

By: \_\_\_\_\_  
Mark Tomko  
General Manager

By: \_\_\_\_\_  
Gillian Haen  
Acting City Manager

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_  
Nalungo Conley  
Acting City Manager

By : \_\_\_\_\_  
District Clerk

DATE: \_\_\_\_\_

APPROVED AS TO FORM:

ATTEST:

\_\_\_\_\_  
Claire H. Collins  
General Counsel for Vallejo Flood and  
Wastewater District

By: \_\_\_\_\_  
Dawn Abrahamson, City Clerk

APPROVED AS TO CONTENT:

(City Seal)

\_\_\_\_\_  
Brad Job  
Public Works Director

APPROVED AS TO FORM:

\_\_\_\_\_  
Veronica A. F. Nebb  
City Attorney



**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Brad Paul, Interim Economic Development Director  
**SUBJECT:** **RECEIVE AN UPDATE ON ECONOMIC DEVELOPMENT DEPARTMENT (EDD ACTIVITIES) AND RECOMMEND TO UNFREEZE THE SECRETARY AND ECONOMIC DEVELOPMENT PROGRAM MANAGER IN ORDER TO IMPLEMENT THE DEPARTMENT WORKPLAN AND ED STRATEGIC PLAN (EDSP)**

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### **RECOMMENDATION**

Receive an update on Economic Development (EDD Activities) and recommend to unfreeze the Secretary and Economic Development Program Manager in order to implement the Department Workplan and ED Strategic Plan (EDSP)

### **REASONS FOR RECOMMENDATION**

City Council members have identified economic development as a top priority along with Public Safety in the last several goal-setting sessions for several years. Unfreezing EDD's Secretary and Program Manager positions will allow staff to take a more comprehensive and strategic approach to business outreach and retention, marketing Vallejo and attracting new businesses.

### **BACKGROUND AND DISCUSSION**

This report provides an update on the Economic Development Department (EDD) and Vallejo's Economic Development Strategic Plan (EDSP), the blueprint directing city economic activities from 2025 to 2030 that is meant to be periodically reviewed. This report provides some initial program and staffing recommendations.

The EDSP was approved in December 2024. At the time, the EDD had seven authorized positions, including a vacant Project Manager position. In January 2025, the EDD Director resigned, followed by the departure of the department's Secretary in April 2025. The Assistant City Manager served as Acting Director of EDD and hired an outside ED consultant to continue moving ED work forward through the end of 2025. On January 12, 2026, the Interim EDD Director was hired.

Throughout 2025, despite lacking a full-time director, program manager and secretary, the EDSP's five Pilot Projects were advanced to varying degrees by the consultant and remaining staff, primarily the Administrative Analyst II.

Staff's priorities remain implementing the EDSP cycles I and II which include job creation, increased sustainable revenue, improving Vallejo's image, neighborhood revitalization, supporting the growth of our local economy including the development of Mare Island, and public safety.

Regarding business attraction, our focus remains advanced manufacturing, healthcare, education, tourism, software and construction. In this work, we highlight Vallejo's competitive advantages: easy access to highways, ferries, barges and rail; less expensive power, water and broadband; workforce partners (Solano Community College, Cal-Poly Maritime, Working Waterfront Coalition); arts & culture; good restaurants, etc.

The EDSP has two phases: Cycle 1 (2025-2027) includes 5 pilot projects and communication strategies that

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highlight Vallejo as a competitive place to do business. Cycle 2 (2028-2030) includes more aggressive business attraction efforts. Our Cycle 1 Goals & Key Actions include:

1. Execute five pilot projects using remaining ARPA funding.
2. Support major revitalization and planning efforts in Downtown, the Waterfront and other areas in parallel with private sector efforts (Mare Island and mainland local business corridors in Vallejo).
3. Work with City of Vallejo Planning, Finance Department and Central Permit Center on ways to streamline development, increase city revenue and enhance placemaking.
4. Develop a Communications and Marketing Plan: engage with the community, regional partners and regional media on Vallejo-based business stories.
5. Create a vision for city-owned assets as part of broader placemaking and infill development efforts alongside citywide capital-facilities planning.

Cycle 2 prioritizes business attraction/expansion in downtown and other neighborhoods through ongoing funding for the Revolving Loan Fund, updating business corridor amenities (landscaping, street furniture, lighting, signage); and expanding workforce partnerships. Here is an update on our five Pilot Projects:

**1. Vallejo Revolving Loan Fund.** In December 2024, the city council directed staff to allocate \$355,000 in ARPA funds to Solano EDC for a pilot program similar to its Solano County Revolving Loan Fund to expedite the process. They started processing Vallejo loans in 2025 and approved a 4th and final loan in March 2026.

**2. Pop-Up Events** (\$62,624/\$100,312). This funding request was in mid-year and fiscal budget requests for the last 2 budget cycles without being funded. Staff has identified \$62,624 in the current FY25-26 Measure B budget which will be allocated to the contract. The remaining \$37,688 will now be included in the department request for Measure P funds in May 2026. An RFP was released in January 2026 and 3 finalists were interviewed. Miles McNeil & Powell was selected to activate downtown and the waterfront along lower Georgia with pop-up art, music, food and family activities that complement existing events (Farmers' Market, Art Walk). Staff hosts meetings with Visit Vallejo, Chamber of Commerce, Vallejo Main Street, the Economic Development Commission (EDC) and Miles McNeal & Powell to share concepts and ensure coordination with existing businesses for this project. The larger \$100,312 budget, if approved for supplemental Measure P funds, would allow us to add more Pop-Up events in the downtown and waterfront areas.

**3. Shop Local Campaign** (\$28,000/\$70,312). This funding request was in mid-year and fiscal budget requests for the last 2 budget cycles without being funded. It will now be included in the department request for Measure P funds in May 2026. Staff hoped to add \$42,000 in mid-year funds to bring the total budget to \$70,000 before releasing the RFP. When the mid-year budget requests were tabled, staff added this funding to the Pop-Up Events budget (now \$62,624) knowing how hard it would be to encumber this Shop Local money before June 30th. Staff has made the request to Measure P for \$70,312 to release the Shop Local RFP and begin the project.

**4. Long Range Property Management Plan (LRPMP).** This strategy includes an analysis by a consultant to assess and prioritize city properties suitable for development to generate investment/revenue/jobs. The work product would include a holistic list of City-owned properties and recommended next steps for each, including development, sale of surplus land, and longer-term opportunity sites. The RFP was completed and the \$200,000 to fund it over two years was included in our mid-year and fiscal budget requests for the last 2

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budget cycles without being funded. It will now be in our department request for Measure P funds in May 2026.

**5. Commercial Broker.** This proposal includes \$200,000 over two years for a commercial broker that will advertise and market vacant city properties for sale or lease. It was included in our mid-year request and fiscal budget requests for the last 2 budget cycles without being funded. It will now be included in the department request for Measure P funds in May 2026. Staff will explore brokers that can attract more developers and potential buyers by creating compelling stories about each building, its potential uses and the unique assets that Vallejo has to offer.

**Recent changes to staffing:** Throughout 2025, implementing the 5 pilot programs was the responsibility of the ED consultant, ACM and Administrative Analyst II who drafted the Pop-Up Events RFP, managed scoring and interviews, put together our Pop-Up Events advisory group and was preparing to do the same for the other pilot projects.

Last month, during a review of our work plans, the Senior Community Development Analyst offered to staff the Shop Local pilot given her experience with local businesses and role as staff liaison to local business groups. One of the Program Managers offered to help develop and refine our communications and marketing plans, and support increased business attraction efforts. Now the small EDD team and the City PIO are collaborating to advance this work, including putting together a series of articles for Vallejo Weekly, social media and influencers that promote new and existing businesses, and the opportunities and assets Vallejo has to offer.

The Mare Island Program Manager works solely on Mare Island, managing Mare Island contracts, working on Mare Island projects and supporting the City Manager's Office and the City Attorney's office in negotiations with key stakeholders including the Navy, State Lands, Mare Island Company and Island Energy. This knowledge of Mare Island's regulatory history will play an important role in business attraction efforts on the Island.

The lack of staff from the two frozen positions has put a hold on advancing important EDSP initiatives and even maintaining minimum services to the community.

**Supporting business.** The Interim EDD Director has visited local businesses, introduced himself and asked what the city can do to support them. Most businesses have requested assistance in attracting more customers and countering negative social media about Vallejo. Face-to-face communication is integral in building personal relationships and trust with local business owners.

While many of our staff don't live here, they visit local businesses regularly, introduce themselves, and buy something: lunch, a book, coffee cup, or anything else they need to enhance these relationships. This helps activate downtown and other areas of the city, supports local merchants, and creates a greater sense of safety with more 'eyes on the street'.

**Regional approach to retaining/attracting businesses.** Solano County recently lost Budweiser, Valero and others. A weak pipeline of new projects is financially stressing Mare Island Drydock and Harbinger Homes (Factory\_OS). Taken together, this elevates the need to attract new businesses and not only retain but expand existing ones.

With the federal government's newfound interest in shipbuilding (SHIPS for America Act), staff has been working with Solano EDC, Cal-Poly Maritime, Working Waterfront Coalition, GoBIZ and others to secure federal support for a regional Maritime Prosperity Zone that includes Mare Island, Benicia, Pittsburg, Stockton

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and Collinsville, a regional shipbuilding ecosystem that builds components for vessels at multiple facilities and assembles them in a central location (Mare Island now, Collinsville later), much like modern automaking today. The city hired the Roosevelt Group to develop a Strategic Plan for Maritime Revitalization for Vallejo. It was just released on April 16, 2026. [[link here to TRG report](#)].

Recently, the Interim EDD Director attended a conference in Monterey for manufacturers, suppliers, advocates, regulators and workforce developers involved with Advanced Air Mobility (AAM) and Uncrewed Aircraft Systems (UAS). Over the next decade, these sectors will have a major impact on transportation, logistics and emergency response. The conference was sponsored by DART, a Monterey area non-profit dedicated to advancing AAM/UAS for quality job growth and community vitality. Their website landing page says *Catalyzing a Resilient Low-Altitude Innovation Economy* and *Uplifting Communities* (<https://mbdart.org>). In addition, there appears to be a strong overlap between the supply chain, workforce, power and space needs of the AAM and Shipbuilding sectors.

How could this benefit Vallejo? DART members (e.g. Joby Aviation, Archer) are looking for places to scale production, places with access to reliable, affordable power/water/broadband and close to highways, rail, waterways and airports with relatively affordable real estate. Most of the members have not considered Vallejo/Mare Island prior. Now some are. Josh Metz, Director of DART, expressed interest in taking a tour of Vallejo, helping connect us with AAM companies, and helping our workforce development partners train residents for good paying AAM jobs [<https://mbdart.org/programs/workforce-development/>].

**Streamlining development and permitting.** To encourage greater collaboration among city departments, we invited the Planning Director and Planning Manager to join us once a month at our weekly staff meetings to discuss ways to streamline approvals and target enforcement actions against vacant, blighted properties. We also attend one of their monthly meetings and meet regularly with Public Works staff.

**Avoiding displacement.** As the economy improves, Vallejo will benefit from increased tax revenue, more disposable income to support local businesses, and greater access to good-paying jobs for Vallejo residents. But economic growth will create higher rents, higher home prices and a higher cost of living. The city can help residents avoid displacement by enacting housing preservation legislation (tenants' right to counsel, short-term rentals) and working with local schools (VCUSD, Solano CC, Touro, Cal-Poly Maritime), to create pipelines for residents to access better-paying jobs that allow them to absorb higher housing costs over time.

While our Pop-Up Events pilot and EDC's plans to install more banners and string lights downtown will help create a greater sense of vibrancy and safety in Vallejo's core, we must also use what we learn from this to activate neighborhood shopping areas outside the downtown area, including Sonoma Blvd, Tennessee St and Springs Road. We look forward to working with the Chamber, Visit Vallejo, Vallejo Main Street, the EDC and City Council members to take our successful programs citywide.

In the past few weeks, staff have met with people interested in opening two new grocery stores and an advanced manufacturing plant in Vallejo, talked with representatives of a foreign ship builder looking to expand on Mare Island, and talked with an AAM company looking for places to manufacture its aircraft and drones.

Finally, the Interim EDD Director engaged with a filmmaker considering moving out of LA and toured the downtown and the waterfront. The most effective antidote to the negative social media Vallejo is subjected to appear to be these in-person tours of our city.

## **FISCAL IMPACT**



**Subject: RECEIVE AN UPDATE ON ECONOMIC DEVELOPMENT DEPARTMENT (EDD ACTIVITIES) AND RECOMMEND TO UNFREEZE THE SECRETARY AND ECONOMIC DEVELOPMENT PROGRAM MANAGER IN ORDER TO IMPLEMENT THE DEPARTMENT WORKPLAN AND ED STRATEGIC PLAN (EDSP)**

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Funding to unfreeze EDD's authorized ED Program Manager position \$233,380 and Secretary position \$115,759 (fully loaded costs) in FY 2026-27 would come from the city's general funds and begin to provide EDD with the staffing level it needs to move the needle on EDSP progress. In addition, staff has submitted a request for Measure P funds for a total of \$508,000 to pay for the Long-Range Property Management Plan (\$200,000), Commercial Broker (\$200,000), Shop Local program (\$70,312) and Pop-Up Events (\$37,688).

**ENVIRONMENTAL REVIEW**

This action is not a project pursuant to the California Environmental Quality Act (CEQA) because it is not an action which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guidelines section 15378.

**ATTACHMENTS**

None

**CONTACT**

Brad Paul, Interim Economic Development Director  
[Brad.Paul@cityofvallejo.net](mailto:Brad.Paul@cityofvallejo.net)



**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Brad Job, Public Works Director  
**SUBJECT: REQUEST AUTHORIZATION TO PROCEED WITH 6TH STREET ACCESS ROAD  
REPAVING**

### **RECOMMENDATION**

Request authorization to proceed with 6th Street access road repaving design.

### **REASONS FOR RECOMMENDATION**

The Sixth Street access road and a portion of right-of-way have a failing pavement surface and inadequate drainage. Public Works has been directed to develop a conceptual improvement plan that remediates existing conditions, preserves access for adjacent property owners, and improves the functionality and appearance of the Site.

### **BACKGROUND AND DISCUSSION**

#### **Sixth Street Background**

The Sixth Street access road and a portion of right-of-way located at the intersection of Solano Avenue and Curtola Parkway (the "Site") are significantly deteriorated, characterized by extensive potholing, inadequate drainage, and a failing pavement surface. Over time, the Site has been used for unauthorized residential and commercial parking, resulting in an overall neglected appearance.

#### **Proposed Action**

Public Works has been asked to develop a conceptual plan that includes repaving the Site. While the conceptual plan presented is preliminary in nature, it accomplishes Council's direction. Staff preliminary priced out the current design at \$85,000. Following Council's approval of the proposed design plan, staff will proceed with obtaining three competitive quotes and then proceed with the lowest bid.

Staff recommends City Council approves design plan for the repaving of Sixth Street access road.

### **FISCAL IMPACT**

Following Council's approval of the proposed design plan, staff will proceed using existing funding in PWC109 Streets Overlay / Preservation Project:

| SOURCES                    | BUDGET   | EXPENDITURES |
|----------------------------|----------|--------------|
| Fund 219: Sec 2103 Gas Tax | \$85,000 |              |
| Construction               |          | (\$85,000)   |

**Subject: REQUEST AUTHORIZATION TO PROCEED WITH 6TH STREET ACCESS ROAD  
REPAVING  
Page 2**

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|       |          |            |
|-------|----------|------------|
| TOTAL | \$85,000 | (\$85,000) |
|-------|----------|------------|

**ENVIRONMENTAL REVIEW**

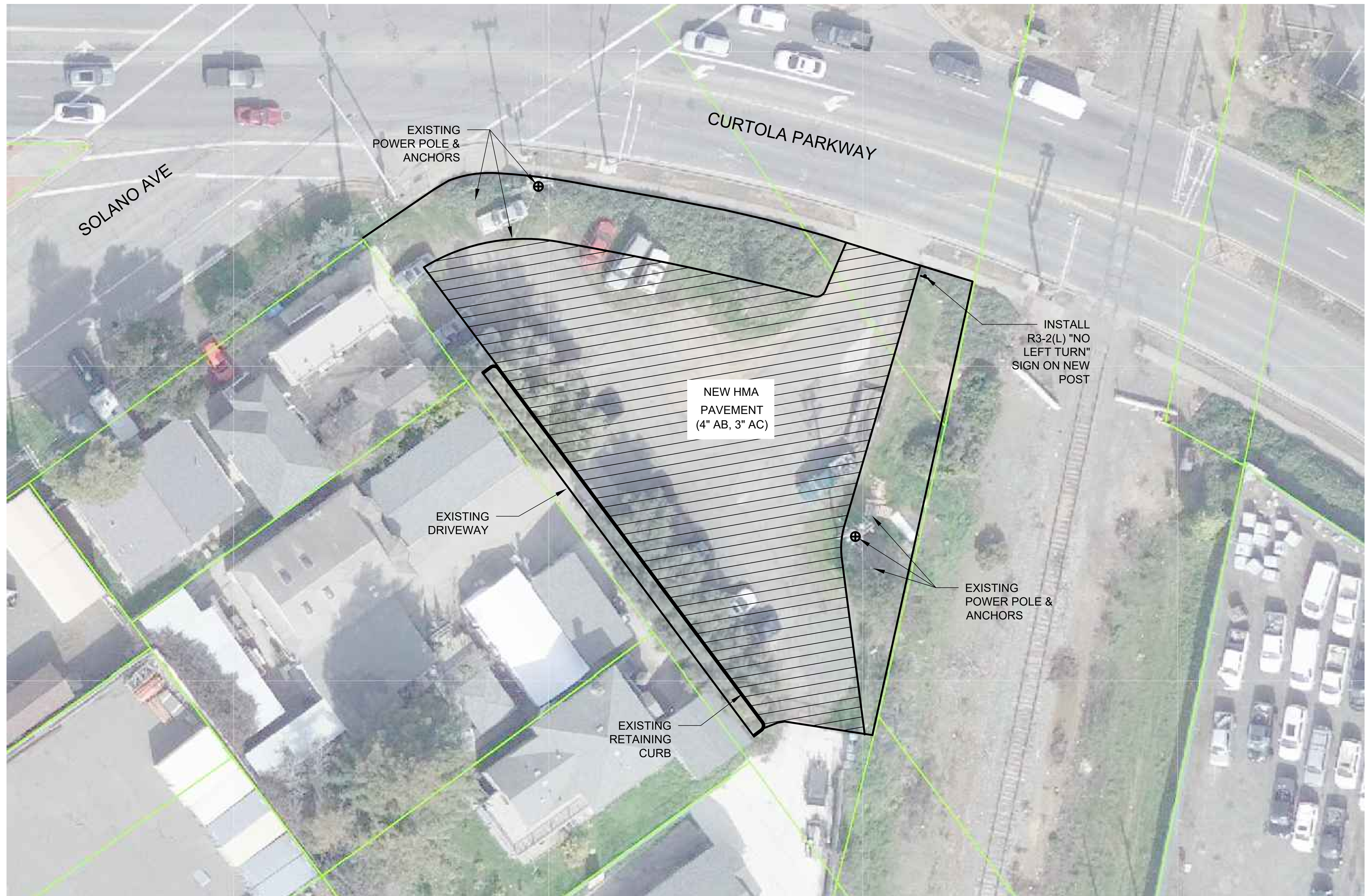
This action is exempt from environmental review under the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15301(c), "Existing Facilities", as it involves the maintenance of existing streets with no expansion of use.

**ATTACHMENTS**

|    |                                            |
|----|--------------------------------------------|
| 1. | Sixth Street - access road REPAVING DESIGN |
|----|--------------------------------------------|

**CONTACT**

Brad Job, Public Works Director (707) 648-4433  
[Leonard.Job@cityofvallejo.net](mailto:Leonard.Job@cityofvallejo.net)



## SITE PLAN

(SCALE: NTS)





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Gillian Haen, Assistant City Manager  
Victoria Grace-Barksdale, Administrative Analyst II (Youth Coordinator)  
**SUBJECT:** **ADOPT A RESOLUTION APPROVING A MEASURE P GRANT AGREEMENT TO GREATER VALLEJO RECREATION DISTRICT TO SUPPORT PUBLIC SAFETY AND YOUTH PRIORITIES AND AUTHORIZE THE CITY MANAGER TO EXECUTE THE SAME IN AN AMOUNT NOT TO EXCEED \$300,000.00.**

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#### **RECOMMENDATION**

Adopt a resolution approving a Measure P Grant Agreement to Greater Vallejo Recreation District to support Public Safety and Youth Priorities and authorize the City Manager to execute the same in an amount not to exceed \$300,000.00.

#### **REASONS FOR RECOMMENDATION**

City Council provided direction on measures to increase public safety. This grant agreement with GVRD focuses on equitable and inclusive preventative measures through positive youth development and community building programs and activities, particularly for teens. By reducing barriers to access of programs, activities, and safe spaces, youth and families are more likely to participate in positive, skill-building activities and foster a greater sense of community, thus increasing public safety.

#### **BACKGROUND AND DISCUSSION**

At the July 1, 2025 Special Council Meeting, Vallejo City Council provided direction to staff on actions to help improve public safety and reduce violence. The Council recommended funding of \$300,000 towards subsidizing program costs (from zero up to 80% on a needs basis) for youth to participate in GVRD programs.

On July 8, 2025, Vallejo City Council approved the notice of intent to amend the FY 2025-2026 budget to appropriate \$1,150,000 for public safety measures to reduce violence (Step 1 of 2). \$300,000 of that appropriation was allocated towards GVRD. On July 22, 2025, Vallejo City Council approved Step 2 of 2 to amend the FY 2025-2026 budget using the General Fund. Staff reported that it would ask the Measure P Oversight Committee (MPOC) to fund the \$300,000 from Measure P opposed to the General Fund. On August 11, 2025, the item was approved by MPOC for a recommendation to Council to provide funding for the project through Measure P, under Youth Priorities. On October 14, 2025, Vallejo City Council approved Step 1 of 2 through the notice of intent and on December 9, 2025 passed Step 2, amending the fiscal year 2025-2026 budget to fund the project from Measure P. Staff presented the grant to Council who provided input and directed staff to present to the GVRD Board for feedback. On February 26, 2026, staff presented to the GVRD board and gathered more feedback on the proposed grant agreement.

The Vallejo City Council voted Public Safety and Youth as multi-year goals to invest in more services, resources, and programming to improve youth outcomes. Additionally, Youth priorities are one of the nine Measure P focus areas. Recreational and enrichment programs play a critical role in improving public safety by providing positive, structured opportunities for youth development and community engagement. Programs offered by GVRD serve as a vital resource for young people, promoting improved academic performance, social development, and leadership skills, while reducing the likelihood of involvement in delinquent or criminal

**Subject: ADOPT A RESOLUTION APPROVING A MEASURE P GRANT AGREEMENT TO  
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SAME IN AN AMOUNT NOT TO EXCEED \$300,000.00.**

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behavior.

Access to recreational programs, mentorship, and enrichment activities reduces risk factors associated with violent crime and juvenile offenses, particularly among youth in underserved communities. By offering safe spaces, skill-building opportunities, and positive role models, these programs divert young people from negative influences and foster a greater sense of connection to their community.

Unfortunately, many Vallejo families face financial barriers that prevent their children from participating in these programs. To address this inequity, the City can provide financial assistance or subsidies to ensure all youth have fair access to these essential opportunities, regardless of economic circumstances.

An investment in recreational and enrichment programs is an investment in both the immediate and long-term safety of Vallejo. Supporting expanded access to these programs strengthens the social fabric of our community, promotes positive youth development, and is a proven, preventative strategy to reduce juvenile crime and violence.

While the initial Council discussion surrounded primarily the concept of youth "scholarships", staff has collaborated with GVRD to present a proposed usage of funds and request feedback from both Council and the GVRD Board. Quarterly grant reports and a final Impact Summary will be required from GVRD through the duration of grant fund usage. Staff anticipate that this funding will last through summer 2028. The proposed grant agreement goal, objectives and budget are as follows.

**Goal: Improve public safety and reduce violence by subsidizing costs to increase participation in recreational activities and access to safe spaces for Vallejo youth**

- **Objective #1:** Reduce financial barriers to participation through scholarships for Vallejo youth and families
- **Objective #2:** Increase access to subsidized youth activities and programs, with an emphasis on teen opportunities
- **Objective #3:** Provide increased subsidized programming in target districts that were identified by City Council to ensure equitable distribution and access
- **Objective #4:** Increase community access to safe spaces, programs and events

Proposed budget:

|   | <b><u>Program Type</u></b> | <b><u>Estimated Budget</u></b> |
|---|----------------------------|--------------------------------|
| 1 | Scholarships               | \$ 50,000                      |
| 2 | Youth Programs/ Events     | \$ 55,000                      |
| 3 | Teen Programs/ Events      | \$ 85,000                      |
| 4 | Programming                | \$ 35,000                      |
| 5 | Free Days                  | \$ 75,000                      |
|   | <b>TOTAL</b>               | <b>\$300,000</b>               |

**FISCAL IMPACT**

On July 22, 2025, City Council amended the fiscal year 2025-2026 budget to appropriate \$300,000 towards a GVRD public safety grant using general funds. Staff reported that they would take the request to the Measure P Oversight Committee to recommend funding using Measure P funds under Youth Priorities, instead of general funds, which was approved for recommendation to Council. On December 9, 2025 City Council amended the fiscal year 2025-2026 budget and appropriated \$300,000 in Measure P funding towards the

**Subject: ADOPT A RESOLUTION APPROVING A MEASURE P GRANT AGREEMENT TO  
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SAME IN AN AMOUNT NOT TO EXCEED \$300,000.00.**

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GVRD grant agreement to address public safety and youth priorities.

**ENVIRONMENTAL REVIEW**

No impact.

**ATTACHMENTS**

|    |                                                           |
|----|-----------------------------------------------------------|
| 1. | Resolution for Grant Agreement for GVRD_CAO Stamp         |
| 2. | 2025-26 Measure P Agreement Public Safety Grant_CAO STAMP |

**CONTACT**

Gillian Haen, Assistant City Manager (707)648-4163

[gillian.haen@cityofvallejo.net](mailto:gillian.haen@cityofvallejo.net)

Approved as to form:

  
By: \_\_\_\_\_ for \_\_\_\_\_  
Veronica A.F. Nebb  
City Attorney

**RESOLUTION NO. 26- \_\_\_\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A MEASURE P GRANT AGREEMENT IN AN AMOUNT NOT TO EXCEED \$300,000 TO THE GREATER VALLEJO RECREATION DISTRICT (GVRD) TO SUPPORT PUBLIC SAFETY AND YOUTH PRIORITIES AND AUTHORIZING THE CITY MANAGER TO EXECUTE THE SAME**

**WHEREAS**, GVRD's mission is to promote wellness and healthy lifestyles by providing safe parks and innovative and fun recreation programs for all residents; and

**WHEREAS**, GVRD currently operates 33 parks with various amenities, located throughout the CITY including neighborhood parks, community centers, athletic fields and courts, a sports gym, an aquatic center and more; and

**WHEREAS**, access to recreational programs, mentorship, and enrichment activities reduces risk factors associated with violent crime and juvenile offenses, particularly among youth in underserved communities; and

**WHEREAS**, by offering safe spaces, skill-building opportunities, and positive role models, these programs divert young people from negative influences and foster a greater sense of connection to their community; and

**WHEREAS**, the CITY wishes to award a grant to GVRD using Measure P funds to support a significant increase in access and participation of activities, events and programs benefiting Vallejo youth and families of all abilities through funding scholarships, subsidizing new or existing youth/teen activities, targeted programming in at-risk districts, and Free Day activities at identified GVRD sites.

**NOW THEREFORE, BE IT RESOLVED** that the City Council of the City of Vallejo hereby approves the Measure P Grant Agreement in an amount not to exceed \$300,000, attached hereto as Exhibit 'A', to the Greater Vallejo Recreation District to support public safety and youth priorities.

**BE IT FURTHER RESOLVED** that the City Council of the City of Vallejo hereby authorizes the City Manager to execute the Agreement, with any modifications recommended by the City Attorney and the City Clerk to attest.

**ADOPTED BY THE CITY COUNCIL OF VALLEJO** at a council meeting held on May 12, 2026, with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

\_\_\_\_\_  
ANDREA SORCE, MAYOR



ATTEST:

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DAWN G. ABRAHAMSON, CITY CLERK

Approved as to form:

By:  for  
Veronica A.F. Niebb  
City Attorney

**2025-26 City of Vallejo Grant Program  
“Greater Vallejo Recreation District” Public Safety Measure P Grant Agreement**

This Agreement ("Agreement") is made at Vallejo, California, dated for reference this 14th day of April 2026, by and between the City of Vallejo, a municipal corporation and charter city ("CITY"), and Greater Vallejo Recreation District, a Recreation Park and Parkway District organized under the provisions of Article 1, Chapter 3, Division 5 of the Public Resources Code ("GRANTEE").

**RECITALS**

**WHEREAS**, GRANTEE's mission is to promote wellness and healthy lifestyles by providing safe parks and innovative and fun recreation programs for all residents; and

**WHEREAS**, GRANTEE currently operates 33 parks with various amenities, located throughout the CITY including neighborhood parks, community centers, athletic fields and courts, a sports gym, an aquatic center and more; and

**WHEREAS**, access to recreational programs, mentorship, and enrichment activities reduces risk factors associated with violent crime and juvenile offenses, particularly among youth in underserved communities; and

**WHEREAS**, by offering safe spaces, skill-building opportunities, and positive role models, these programs divert young people from negative influences and foster a greater sense of connection to their community; and

**WHEREAS**, the CITY wishes to award a grant to GRANTEE using Measure P funds to support a significant increase in access and participation of activities, events and programs benefiting Vallejo youth and families of all abilities through funding scholarships, subsidizing new or existing youth/teen activities, targeted programming in at-risk districts, and Free Day activities at identified GVRD sites.

**AGREEMENT**

**NOW, THEREFORE**, the parties agree as follows:

**SECTION 1. Payment of Grant Award.** CITY hereby agrees to pay GRANTEE an amount not to exceed \$300,000.00 ("Grant Award") no later than May 31, 2026, and subject to the terms and conditions of this Agreement. Grantee shall use the Grant Award exclusively for the purpose of improving public safety and increasing participation in GVRD year-round programming by reducing financial barriers to access and expanding availability of safe, inclusive recreational opportunities. Authorized uses of funds include, but are not limited to, scholarships, youth and teen programs and events, focused programming tailored to the needs of youth ages 17 and under, and free days and activities.

The Grant Award shall be provided as a one-time lump sum payment and shall not be reduced, rescinded, or reallocated by GVRD, provided that Grantee remains in compliance with the terms and conditions of this Agreement. Grantee shall ensure that all expenditures are necessary,

reasonable, and directly related to the purposes outlined herein and shall comply with all applicable laws, regulations, and GVRD policies.

**SECTION 2. Expenditure of Grant Award.** GRANTEE shall expend the Grant Award solely on the programs and/or projects set forth in Exhibit A. An expenditure that does not comply with this Agreement shall constitute a disallowed cost ("Disallowed Cost") and shall be subject to reimbursement as specified in Section 15 of this Agreement. Under no circumstances shall GRANTEE expend any portion of the Grant Award for religious or political purposes or for any other purpose prohibited under law, including but not limited to promoting or inhibiting religion in general or any religion in particular, conveying a religious message, or advocating for or against a political candidate or ballot measure.

**SECTION 3. Acknowledgment of Funding Source.** Unless otherwise agreed upon in writing between the parties, the GRANTEE agrees that any publications, studies, or reports which are made possible by or derived in whole or in part from the Grant Award and any news articles, brochures, seminars, or other promotional materials or media or events through which GRANTEE publicizes the programs or projects funded in whole or in part by CITY will acknowledge the CITY's support in the following manner. In lieu of written funding attribution, Grantee shall provide recognition of both the Greater Vallejo Recreation District (GVRD) and the City of Vallejo through the joint use and placement of both entities' official logos on all identified programs, events, and related materials funded in whole or in part by this Grant Award. Such logo usage shall be subject to each entity's branding guidelines and prior approval, where applicable.

**SECTION 4. The Parties' Relationship.** This Agreement shall not be construed as giving rise to any agency, partnership, joint venture, or employment relationship between CITY and GRANTEE. GRANTEE shall have no ability to bind the CITY and shall not hold itself out as having any such ability. Neither GRANTEE nor any of GRANTEE's officers, employees, agents, or subcontractors, if any, is an employee of CITY by virtue of this Agreement. GRANTEE's employees and agents shall not be entitled to any salary or benefits relating to CITY employment.

**SECTION 5. No Assignment.** GRANTEE shall not assign this Agreement without CITY's written authorization. Any such assignment shall be void and shall be considered a material breach of this Agreement.

**SECTION 6. Indemnification.** GRANTEE shall indemnify, hold harmless, and defend CITY, its officers, officials, directors, employees, agents, volunteers and affiliates and each of them from any and all claims, demands, causes of action, damages, costs, expenses, actual attorney's fees, consultant's fees, expert fees, losses or liability, in law or in equity, of every kind and nature whatsoever arising out of or in connection with this Agreement, GRANTEE's performance hereunder, GRANTEE's or subcontractor's negligence including active or passive, or strict liability, including but not limited to personal injury including, but not limited to bodily injury, emotional injury, sickness or disease, or death to persons and/or damage to property of anyone, including loss of use thereof, caused or alleged to be caused by any act or omission of GRANTEE, or any subcontractor, or anyone directly or indirectly employed by any of them or anyone for the full period of time allowed by the law, regardless to any limitation by insurance, with the exception of the sole negligence or willful misconduct of the City.

The provisions of this section shall survive the expiration or termination of this Agreement.

**SECTION 7. Insurance Requirements.** GRANTEE agrees to comply with all of the Insurance Requirements set forth in Exhibit C which is attached hereto and incorporated herein by this

reference. Failure to maintain the required insurance at all times shall constitute a default and material breach.

**SECTION 8. Non-Discrimination.** In performing this Agreement, GRANTEE shall not discriminate against any person on the basis of sex, race, color, ancestry, religious creed, national origin, physical disability, mental disability, medical condition, age, marital status, sexual orientation, actual or perceived gender identity, veteran status or any other basis prohibited under law.

**SECTION 9. Compliance with All Applicable Laws.** In performing this Agreement, GRANTEE warrants it shall comply with all applicable state and federal laws, rules, and regulations.

**SECTION 10. Accounting.** For purposes of performance under this Agreement and receipt and expenditure of the Grant Award, GRANTEE shall at all times maintain an accounting system that comports with generally accepted accounting principles.

**SECTION 11. Financial Records and Financial Report.** GRANTEE shall maintain a financial log, books, records, documents, and other evidence sufficient to properly reflect the amount, receipt, and expenditure of the Grant Award. GRANTEE shall submit to CITY a Quarterly Report and Impact Summary relating to the expenditure of the Grant Award. Said Quarterly Report shall be in the form identified in Exhibit B. Said Quarterly Report shall be submitted to CITY within thirty (30) calendar days of the end of each fiscal year quarter through the duration of the grant. An Impact Summary Report, identified in Attachment 1 of Exhibit B, is due within thirty (30) days of the grant funds being fully expended.

All financial records, including original receipts, and financial reports shall be prepared in accordance with generally accepted accounting principles. The Quarterly Report and Impact Summary shall be a public record and can be posted on the CITY's website as well as released to the public in any manner whatsoever in the City's discretion.

**SECTION 12. Audit and Examination.** Upon request, CITY's authorized representatives shall be provided with access and shall have the right to examine all financial records, documents, facilities, and activities related to GRANTEE's performance of this Agreement and to the receipt and expenditure of the Grant Award.

**SECTION 13. Preservation of Records.** GRANTEE shall preserve and make available all records related to performance of this Agreement and related to the receipt and expenditure of the Grant Award for a period of three years from the date of final payment to GRANTEE or as required by applicable law, whichever is longer.

**SECTION 14. Reimbursement of Disallowed Costs.** Within ten (10) business days of the date of CITY's written notice to GRANTEE, GRANTEE agrees to reimburse to CITY any portion of the Grant Award paid by the CITY which CITY has in its sole discretion determined constitutes a Disallowed Cost. "Disallowed Costs" shall mean any expenditure of Grant Award funds that is determined by the CITY, in its reasonable discretion, to be inconsistent with the terms and conditions of this Agreement, including but not limited to:

- (a) costs that are not directly related to or necessary for the approved purposes of the Grant;
- (b) costs that are not adequately documented or supported by appropriate records;
- (c) costs incurred outside the approved grant term;
- (d) costs that violate applicable federal, state, or local laws, regulations, or policies;
- (e) costs that are duplicative of funding received from other sources for the same purpose; or

**Commented [AR1]:** GVRD would like the City to determine in advance what, "disallowed costs" are. Define.

(f) costs otherwise deemed unallowable under CITY or GVRD policies governing the use of public funds.

**SECTION 15. Term.** This Agreement shall be for a term commencing on June 1, 2026 and expiring on September 1, 2028, unless terminated sooner per this Agreement.

City, at its discretion, shall have the right to extend the term of this Agreement, in intervals of three months, by written notice to GRANTEE. The total duration of this Agreement, including the exercise of any options under this section, shall not exceed 3 years.

**SECTION 16. Termination.** This Agreement may be terminated with or without cause by either CITY or GRANTEE with thirty (30) calendar days' written notice of termination. No later than ten (10) calendar days of transmission of the termination notice from CITY, GRANTEE shall refund any unused or disallowed portion of the Grant Award. In the event of a breach of this Agreement, CITY may elect to provide written notice of such breach and a reasonable time period in which GRANTEE must cure the breach. If GRANTEE fails to cure the breach in accordance with said notice, CITY may terminate this Agreement for cause, and any unused or disallowed portions of the Grant Funds shall be returned to the City within ten (10) calendar days of said termination date.

**SECTION 17. Notice.** All notices or instruments required to be given or delivered by law or this Agreement shall be in writing and shall be effective five (5) calendar days from the date of mailing or if personally delivered, from the date of personal delivery. If notice is given by mail, it shall be delivered by depositing the same in any United States Post Office, registered or certified mail, postage prepaid, addressed to:

CITY:

**Victoria Grace-Barksdale**  
Youth Coordinator  
City of Vallejo, City Manager's Office  
555 Santa Clara Street  
Vallejo, Ca 94590  
(707) 334-5765  
[victoria.grace@cityofvallejo.net](mailto:victoria.grace@cityofvallejo.net)

GRANTEE:

**Gabe Lanusse**  
General Manager  
Greater Vallejo Recreation District  
395 Amador Street  
Vallejo, CA 94590  
(707) 648-4603  
[glanusse@gvrd.org](mailto:glanusse@gvrd.org)

**SECTION 18. Severability.** If any provision of this Agreement or the application thereof is held invalid, that invalidity shall not affect other provisions or applications of this Agreement which can be given effect without the invalid provision or application, and to this end the provisions of this Agreement are severable.

**SECTION 19. Waiver.** No term or provision hereof will be considered waived by either party, and

no breach is excused or consented to by either party, unless such waiver or consent is in writing and signed on behalf of the party against whom the waiver is asserted. No express or implied consent by either party to waiver of, or failure of a party to enforce its rights with respect to a breach by the other party shall constitute consent to or waiver of any subsequent or other breach by the other party.

**Section 20. Amendment.** This Agreement may be amended by mutual agreement in writing between the GRANTEE and the CITY. Any request by the GRANTEE for amendments must be in writing stating the amendment request and reason for the request. The GRANTEE shall make requests in a timely manner and in no event less than thirty (30) calendar days before the effective date of the proposed amendment.

**Section 21. Entire Agreement.** This Agreement and any attached Exhibits shall constitute the entire Agreement between the parties hereto relating to the Grant Award and may not be modified except by an instrument in writing signed by the parties hereto.

**Section 22. Exhibits.** The following exhibits are attached hereto and incorporated herein by reference:

Exhibit A, entitled "Program Goals and Objectives, Obligations and Estimated Budget," including any attachments

Exhibit B, entitled "Grant Agreement Reports," including any attachments

Exhibit C, entitled "Insurance Requirements," including attachments

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties have entered into this Agreement on the day and year first hereinabove appearing.

Greater Vallejo Recreation District,  
a Recreation Park and Parkway District

By: \_\_\_\_\_  
Gabe Lanusse  
Executive Director

DATE: \_\_\_\_\_

(City Seal)

CITY OF VALLEJO,  
a municipal corporation

By: \_\_\_\_\_  
Nalungo Conley  
Acting City Manager

DATE: \_\_\_\_\_

By: \_\_\_\_\_  
Gillian Haen  
Acting City Manager

DATE: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_  
Dawn G. Abrahamson  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
Veronica A. F. Nebb  
City Attorney

APPROVED AS TO INSURANCE:

\_\_\_\_\_  
Armond Sarkis  
Risk Manager

## **EXHIBIT A: Program Goals & Objectives, Obligations and Estimated Budget**

### **A. Program Goals & Objectives**

Vallejo City Council provided direction to staff on actions to help improve public safety and reduce violence. The Council recommended funding of \$300,000 towards subsidizing program costs (from zero up to 80% on a need basis) for children to participate in GVRD year-round programs. This was one of several strategies recommended to mitigate violence and improve public safety. Funding focuses primarily on equitable and inclusive preventative measures to improve public safety and keep Vallejo youth engaged year-round through positive youth development and community building programs and activities.

Recreational and enrichment programs play a critical role in improving public safety by providing positive, structured opportunities for youth development and community engagement. Programs offered by the Greater Vallejo Recreation District (GVRD) serve as a vital resource for young people, promoting improved academic performance, social development, and leadership skills, while reducing the likelihood of involvement in delinquent or criminal behavior.

Access to recreational programs, mentorship, and enrichment activities reduces risk factors associated with violent crime and juvenile offenses, particularly among youth in underserved communities. By offering safe spaces, skill-building opportunities, and positive role models, these programs divert young people from negative influences and foster a greater sense of connection to their community.

Unfortunately, many Vallejo families face financial barriers that prevent their children from participating in these programs. To address this inequity, the City can provide financial assistance or subsidies to ensure all youth have fair access to these essential opportunities, regardless of economic circumstances.

An investment in recreational and enrichment programs is an investment in both the immediate and long-term safety of Vallejo. Supporting expanded access to these programs strengthens the social fabric of our community, promotes positive youth outcomes, and is a proven, preventative strategy to reduce juvenile crime and violence.

**Goal: Improve public safety and reduce violence by subsidizing costs to increase participation in recreational activities and access to safe spaces for Vallejo youth**

- **Objective #1:** Reduce financial barriers to participation through scholarships for Vallejo youth and families
  - Data and Metrics:
    - # of scholarships awarded per fiscal year quarter
    - Description of activities and programs that youth used scholarships on
    - Amount of funding used per quarter
  - Key Performance Indicators



- Increase in number of scholarships accessed versus baseline data
- **Objective #2:** Increase access to subsidized youth activities and programs, with an emphasis on teen opportunities
  - Data and metrics:
    - # of new or existing programs funded in whole or partially
    - Approximate number of individuals served
    - Description of use of funds
    - Amount of funding used per quarter
  - Key Performance Indicators
    - Qualitative survey data regarding safety and access
- **Objective #3:** Grantee shall provide increased subsidized programming in districts identified by the City Council. Programming opportunities shall be thoughtfully designed and equitably distributed to ensure access for all participants residing within the City of Vallejo, consistent with the purposes of this Agreement.
  - Data and Metrics
    - # of new or existing programs funded in whole or partially
    - Approximate number of individuals served
    - Description of use of funds in each district
    - Amount of funding used per quarter
  - Key Performance Indicators
    - Increase in the number of programs offered in targeted areas
- **Objective #4:** Increase community access to safe spaces, programs and events
  - Data and Metrics
    - # of Free Day events and activities held
    - Approximate number of individuals utilizing the Free Days and events
    - Description of how the funds were used
    - Amount of funding used per quarter
  - Key Performance Indicator
    - Increase in number of participants

**Quarterly Grant Reports** will be due within thirty (30) days of the end of each fiscal year quarter that collects data on the objectives.

A **Final Impact Summary Report**, due within thirty (30) days of the grant funds being fully expended, will provide wholistic data regarding use of grant funding in the following categories:

- Total funds used in each budget category
- Total number of participants reached by each category
- General use of funds in each category over the life of the grant
- Age distribution of participants
- Gender/Nonbinary breakdown of participants

- Participation breakdown by GVRD program, park, or event
- Successes and challenges

Programming funded through the City grant should:

- Focus on preventative measures through community building and positive youth development
- Expand upon current offerings or create new offerings to provide subsidized recreational and educational opportunities
- Increase the total number of youths participating in GVRD-led recreational and scholarships programs
- Be free or reduced cost
- Only cover scholarship awards to Vallejo youth residents
- Grantee shall provide qualitative and quantitative data regarding positive youth outcomes and shall submit such data in accordance with the quarterly reporting template provided by the City of Vallejo, as referenced in Exhibit B.

**B. Use of Grant Funding** City grant funding shall be used to subsidize costs for the following five areas:

- 1. Youth Scholarships**  
Scholarships to youth from low to moderate income households to participate in new or existing recreational/sport activities and programming through GVRD's existing scholarship program.
- 2. Youth Programs/ Events**  
Subsidized costs to participants for new or existing programming offered at parks and facilities and youth events. Youth events are described as events serving youth with 50 or more targeted attendees.
- 3. Teen Programs/ Events**  
Subsidized costs to participants for new or existing teen programming offered at parks and facilities and teen events. Teen events are described as events serving youth with 50 or more targeted attendees.
- 4. Programming**  
Funding shall be used to support increased programming opportunities. GVRD shall make equitable and data-informed decisions when selecting program locations to ensure accessibility for all youth and families residing within the City of Vallejo. Program distribution shall promote inclusive access and shall not be limited to or restricted by designated districts, consistent with the purposes of this Agreement.
- 5. Free Days**  
Increasing access to activities and safe spaces by providing free entry/access/parking, open swim, and/or open gym in identified facilities such as Children's Wonderland, Dan Foley Park, Blue Rock Springs, Franklin Sports Gym, and Cunningham Aquatic Center. Also to include Free GVRD Funded Fieldtrips.
- 6. Budget Reallocation and Program Flexibility**  
Allocated funds may be reallocated across eligible program categories at the request of GVRD to support other program types consistent with the purposes of this Agreement, subject to prior written approval by the City of Vallejo's designated representative. GVRD shall submit a written request specifying the amount,

purpose, and justification for the proposed reallocation. Approval or denial shall be provided in writing, and no reallocation shall occur without such approval.

GVRD shall be responsible for the following:

1. Managing scholarship program for qualified applicants
2. Providing technical assistance to families filling out scholarship applications as needed
3. Staffing of facilities, sites activities, events and programs
4. Design and curriculum of specific programs to be offered
5. GVRD shall recruit, enroll, and place youth participants through its established registration systems and outreach methods, including its online registration platform and in-person registration processes. Financial assistance for participation shall be administered through GVRD's Youth Scholarship Program in accordance with adopted policies, eligibility criteria, and application procedures. Participant placement shall be contingent upon program availability, completion of required registration materials, and verification of scholarship eligibility, where applicable.
6. Daily operations of youth programming, including program administration and overhead
7. Securing sites and locations for programming
8. Advertising and marketing
9. Data collection to assess funding outcomes and collective impacts
10. Quarterly Measure P grant reporting on use of funds, including any significant changes to estimated budget, due 30 days after the end of each fiscal year quarter
11. Final Impact Summary Report, due within 30 days after funds have been fully expended

#### **C. Estimated Budget**

|   | <b><u>Program Type</u></b> | <b><u>Estimated Budget</u></b> |
|---|----------------------------|--------------------------------|
| 1 | Scholarships               | \$50,000                       |
| 2 | Youth Programs/ Events     | \$55,000                       |
| 3 | Teen Programs/ Events      | \$85,000                       |
| 4 | Targeted Programming       | \$35,000                       |
| 5 | Free Days                  | \$75,000                       |
|   | <b>TOTAL</b>               | <b>\$300,000</b>               |

**Exhibit B- Quarterly Grant Agreement Reports**

Organization: \_\_\_\_\_

Date: \_\_\_\_\_

Contract Agreement Number  
\_\_\_\_\_

Contact Person  
\_\_\_\_\_

Phone Number  
\_\_\_\_\_

Email  
\_\_\_\_\_

Reporting Period Dates  
\_\_\_\_\_

Report Type

☐ annual ☐ quarterly

**Grantee Information**

Grant Amount:

\$ \_\_\_\_\_

Funding expended during this reporting period  
\_\_\_\_\_

Total funding expended through this reporting period  
\_\_\_\_\_

Remaining award amount  
\_\_\_\_\_

**Award Details**

Receipts and thorough documentation of grant fund expenditures have been maintained and can be produced upon request

☐ yes ☐ no

**Example of Grant Funds Expenditure Log:**

| <b><u>Date</u></b> | <b><u>Expenditure detail</u></b>       | <b><u>Expenditure</u></b> | <b><u>Budget remaining</u></b> |
|--------------------|----------------------------------------|---------------------------|--------------------------------|
|                    | <b><u>Scholarships (Youth)</u></b>     |                           | <b><u>\$75,000</u></b>         |
| 11/30/25           | Month of October 2025 Scholarships     | \$1,000                   | <b><u>\$74,000</u></b>         |
|                    |                                        |                           |                                |
|                    | <b><u>Youth Programming/events</u></b> |                           | <b><u>\$50,000</u></b>         |
| 11/4/25            | Soccer Program                         | \$3,000                   | <b><u>\$47,000</u></b>         |
|                    |                                        |                           |                                |

**Performance Measures & Outcomes**

Please provide details about general outcomes that were accomplished through the grant funds.

**1. Scholarships**

- a. # of youth scholarships awarded this quarter: \_\_\_\_\_
- b. Describe some of the activities/programs that youth used their scholarships on:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- c. Amount of funding used this period: \_\_\_\_\_

**2. Youth Programs/ Events**

- a. # of new or existing programs funded in whole or partially by grant this quarter: \_\_\_\_\_
- b. Approximate # of individuals served: \_\_\_\_\_
- c. Describe the general use of funds for this category:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- d. Amount of funding used this period: \_\_\_\_\_

**3. Teen Programs/ Events**

- a. # of new or existing programs funded in whole or partially by grant this quarter: \_\_\_\_\_

- b. Approximate # of individuals served: \_\_\_\_\_  
c. Describe the general use of funds for this category:

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- d. Amount of funding used this period: \_\_\_\_\_

**4. Programing**

- a. # of new or existing programs funded in whole or partially by grant this quarter:  
b. Approximate # of individuals served: \_\_\_\_\_  
c. Describe the general use of funds for this category in each District:

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- d. Amount of funding used this period: \_\_\_\_\_

**5. Free Days**

- a. # of free day activities funded in whole or partially by grant this quarter:  
b. Approximate # of individuals served: \_\_\_\_\_  
c. Describe the general use of funds for this category:

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- d. Amount of funding used this period: \_\_\_\_\_

**Grantee Representative Signature**

*I hereby certify that the goods or materials covered by this report have been performed with the project specifications, are complete and accurate, and are eligible under the agreement.*

**Printed**

Name\_\_\_\_\_

Title\_\_\_\_\_

Signature\_\_\_\_\_Date\_\_\_\_\_

This quarterly grant agreement report is due within thirty (30) days of the end of each fiscal year quarter to the City grant representative(s) until all of the grant funds are used. Final Grant Impact Summary Report is due within 30 Days of the full grant funding being expended.

**Quarterly Grant Reporting Form Due Dates:**

| <b><u>Fiscal Year and Quarter</u></b> | <b><u>Quarter Dates</u></b>         | <b><u>Grant Agreement Report Due Date</u></b> |
|---------------------------------------|-------------------------------------|-----------------------------------------------|
| FY 25/26 Quarter 4                    | April 1, 2026 – June 30, 2026       | July 30, 2026                                 |
| FY 26/27 Quarter 1                    | July 1, 2026 – September 30, 2026   | October 30, 2026                              |
| FY 26/27 Quarter 2                    | October 1, 2026 – December 31, 2026 | January 30, 2027                              |
| FY 26/27 Quarter 3                    | January 1, 2027 – March 31, 2027    | April 30, 2027                                |
| FY 26/27 Quarter 4                    | April 1, 2027 – June 30, 2027       | July 30, 2027                                 |
| FY 27/28 Quarter 1                    | July 1, 2027 – September 30, 2027   | October 30, 2027                              |
| FY 27/28 Quarter 2                    | October 1, 2027 – December 31, 2027 | January 30, 2028                              |
| FY 27/28 Quarter 3                    | January 1, 2028 – March 31, 2028    | April 30, 2028                                |
| FY 27/28 Quarter 4                    | April 1, 2028 – June 30, 2028       | July 30, 2028                                 |
| FY 28/29 Quarter 1                    | July 1, 2028 – September 30, 2028   | October 30, 2028                              |

**Attachment 1 to Exhibit B- Impact Summary Report**

Organization: \_\_\_\_\_

Date: \_\_\_\_\_

Contract Agreement Number \_\_\_\_\_

Contact Person \_\_\_\_\_

Phone Number \_\_\_\_\_

Email \_\_\_\_\_

Grant Term dates \_\_\_\_\_

**Grantee Information**

Grant Amount:

\$ \_\_\_\_\_

**Award Details**

Receipts and thorough documentation of grant fund expenditures have been maintained and can be produced upon request

☐ yes ☐ no

**Example of Grant Funds Expenditure Log:**

| <u>Date</u> | <u>Expenditure detail</u>              | <u>Expenditure</u> | <u>Budget remaining</u> |
|-------------|----------------------------------------|--------------------|-------------------------|
|             | <b><u>Scholarships (Youth)</u></b>     |                    | <b>\$75,000</b>         |
| 4/30/26     | Month of April 2026 Scholarships       | \$1,000            | <b>\$74,000</b>         |
|             |                                        |                    |                         |
|             | <b><u>Youth Programming/events</u></b> |                    | <b>\$50,000</b>         |
| 5/4/26      | Soccer Program                         | \$3,000            | <b>\$47,000</b>         |
|             |                                        |                    |                         |
|             |                                        |                    |                         |



## **Performance Measures & Outcomes**

Please provide details about general outcomes that were accomplished through the grant funds.

### **1. Scholarships**

- a. Total # of youth scholarships awarded through grant: \_\_\_\_\_
- b. Describe some of the activities/programs that youth used their scholarships on:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- c. Total amount of funding used for this category : \_\_\_\_\_

### **2. Youth Programs/ Events**

- a. Total # of new or existing programs funded in whole or partially by grant: \_\_\_\_\_
- b. Approximate # of individuals served: \_\_\_\_\_
- c. Describe the general use of funds for this category:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- d. Total amount of funding used in this category: \_\_\_\_\_

### **3. Teen Programs/ Events**

- a. Total # of new or existing programs funded in whole or partially by this grant: \_\_\_\_\_
- b. Approximate # of individuals served: \_\_\_\_\_
- c. Describe the general use of funds for this category:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- d. Total amount of funding used in this category: \_\_\_\_\_

**4. Programing**

- a. Total # of new or existing programs funded in whole or partially by grant:
- b. Approximate # of individuals served: \_\_\_\_\_
- c. Describe the general use of funds for this category in each District:

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- d. Total amount of funding used in this category: \_\_\_\_\_

**5. Free Days**

- a. # of free day activities funded in whole or partially by grant this quarter:
- b. Approximate # of individuals served: \_\_\_\_\_
- c. Describe the general use of funds for this category:

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- d. Total amount of funding used in this category: \_\_\_\_\_

**6. Age Distribution of Participants**

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**7. Gender/Nonbinary Breakdown of Participants**

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**8. Participant Breakdown by Program, Event or Park.**

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**9. Success and Challenges**

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**10. Additional Comments**

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***Grantee Representative Signature***

*I hereby certify that the goods or materials covered by this report have been performed with the project specifications, are complete and accurate, and are eligible under the agreement.*

**Printed Name** \_\_\_\_\_

**Title** \_\_\_\_\_

**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**This final Grant Impact Report is due within 30 Days of the full grant funding being expended.**

## EXHIBIT C

### INSURANCE REQUIREMENTS

Grantee shall procure and maintain for the duration of this Agreement, including any extensions thereto, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by the Grantee, their agents, representatives, or employees or subcontractors. It shall be a requirement under this Agreement that any available insurance proceeds broader than or in excess of the specified minimum Insurance coverage requirements and/or limits shall be available to the Additional Insured. Furthermore, the requirements for coverage and limits shall be (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any Insurance policy or proceeds available to the named Insured; whichever is greater. No representation is made that the minimum Insurance requirements of this agreement are sufficient to cover the obligations of the Grantee under this agreement.

**1. Minimum Limits of Insurance.** Grantee shall maintain limits no less than:

A. General Liability: \$1,000,000 per occurrence for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

B. Automobile Liability: \$1,000,000 per accident for bodily injury and property damage.

C. Workers' Compensation insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. If Grantee is not subject to California Workers' Compensation requirements, Grantee shall file a completed *Request for Waiver of Workers' Compensation Insurance Form* which may be obtained from the City prior to commencing any activity authorized hereunder.

**2. Deductible and Self-Insured Retention (SIR).** Any deductibles or self-insured retention must be declared to and approved by the City. All SIRs must be disclosed to the City's Risk Manager for approval and shall not reduce the limits of liability.

**3. Other Insurance Provisions.**

A. Additional Insured Endorsements: The City of Vallejo, its officers, officials, employees, agents and volunteers are to be covered as Additional Insureds as respects; liability, including defense costs, arising out of activities performed by or on behalf of the Grantee; products and completed operations of the Grantee; premises owned, occupied or used by the Grantee; or automobiles owned, leased hired or borrowed by the Grantee. Additional Insured endorsements with respect to General Liability, Auto and Umbrella/Excess Insurance shall be attached to the Certificate of Insurance presented to the City.

B. Waiver of Subrogation Rights Endorsement: The workers' compensation policy required hereunder shall be endorsed to state that the workers' compensation carrier waives its right of subrogation against City, its officers, officials, employees, agents and volunteers, which might arise by reason of payment under such policy in connection with Grantee's performance under

this Agreement. The waiver of subrogation rights endorsement in favor of the City of Vallejo shall be attached to the Certificate of Insurance.

C. The limits of Insurance required in this agreement may be satisfied by a combination of primary and umbrella or excess Insurance.

D. The City reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

**5. Acceptability of Insurers.** The insurance is to be issued by companies licensed to do business in the State of California. The insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII.

**6. Verification of Coverage.** Grantee shall furnish the City with certificates of insurance and original endorsements. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by the City before work commences. The City reserves the right to obtain a full certified copy of any Insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later. All verification of coverage and other insurance documents shall be mailed to the following address:

City of Vallejo  
Attn: Risk Manager  
555 Santa Clara Street  
Vallejo, CA 94590

**7. Subcontractors.** Grantee shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

**8. Payment Withhold.** City will withhold payments to Grantee if the certificates of insurance and endorsements required in this exhibit are canceled or Grantee otherwise ceases to be insured as required herein.



**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Kristin Pollot, AICP, Planning & Development Services Director  
**SUBJECT:** **ADOPT A RESOLUTION APPROVING A SECOND AMENDMENT TO THE CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT WITH 4LEAF, INC. TO INCREASE THE EXISTING NOT TO EXCEED AMOUNT FROM \$950,000 TO \$1,581,000 AND EXTEND THE TERM THROUGH JUNE 30, 2028, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME; AND PROVIDING NOTICE OF INTENT TO AMEND THE FISCAL YEAR 2025-2026 GENERAL FUND BUDGET IN THE AMOUNT OF \$631,000 TO COVER THE COST OF SERVICES (STEP 1 OF 2)**

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### **RECOMMENDATION**

Adopt a Resolution approving a Second Amendment to the Consultant and Professional Services Agreement with 4LEAF, Inc. to increase the existing not to exceed amount from \$950,000 to \$1,581,000 and extend the term through June 30, 2028, and authorizing the City Manager to execute same. This action also includes providing notice of intent (as the first step in a two-step process) to amend the Fiscal Year 2025-2026 General Fund budget to correct the budget allocation previously approved and to appropriate expenditures in the amount of \$631,000.

### **REASONS FOR RECOMMENDATION**

The Building Division (within the Planning and Development Services Department) continues to experience staffing challenges and most recently lost two senior level staff members, namely the Building Inspection Supervisor and the Chief Building Official. With no other senior level staff members on staff available to run the division, it has become necessary to rely on outside consultant assistance to keep baseline division operations running (including the permitting counter, plan checking services and inspection processes). This proposed amendment would increase the not-to-exceed contract amount and extend the agreement term to ensure continuity of services through June 30, 2028.

### **BACKGROUND AND DISCUSSION**

The City entered into a Consultant and Professional Services Agreement with 4Leaf, Inc. on June 4, 2025 to provide inspection, plan check, and permit technician services on an as-needed basis. These services supplement City staffing and provide flexibility in responding to workload demands. A First Amendment to the contract was approved by City Council on November 18, 2025, which increased the contract amount by \$150,000, bringing the new not-to-exceed amount to \$950,000.

Recently, in March and April 2026, the Building Division lost two key senior level staff members: the Building Inspection Supervisor and the Chief Building Official. These staffing losses brought the overall division vacancy rate down to 42% (5 out of 12 positions vacant) and left the division without any senior level staff

**Subject: ADOPT A RESOLUTION APPROVING A SECOND AMENDMENT TO THE  
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TO AMEND THE FISCAL YEAR 2025-2026 GENERAL FUND BUDGET IN THE  
AMOUNT OF \$631,000 TO COVER THE COST OF SERVICES (STEP 1 OF 2)**

**Page 2**

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members to manage the day-to-day division operations. Currently, we have been able to bring on additional senior level staffing support through the existing 4Leaf contract.

The proposed Second Amendment will:

- Increase the existing 4Leaf contract capacity to ensure continuity of services,
- Support ongoing baseline operational needs within the Building Division, and
- Provide flexibility to address workload fluctuations over the next two fiscal years

The extension of the contract term through June 30, 2028, will ensure continuity of service and avoid disruption while the City continues to work toward stabilizing staffing levels.

This request also includes notice of intent to amend the 2025-2026 Fiscal Year General Fund budget to correct the budget allocation previously approved, and appropriate expenditures in the amount of \$631,000, to support this contract amendment. As previously presented to City Council on February 24, 2026, as part of the Mid-Year budget review, this budget request is categorized as a “technical adjustment” to correct an error that occurred during the FY 2025-2026 Annual Budget adoption. During the budget adoption process, staff had proposed \$631,000 in potential salary savings associated with the freezing of several positions within the Planning & Development Services Department. During its review of the budget, City Council provided direction at the dais not to freeze any of the Planning & Development Services positions because of the potential negative impacts it could have on the community and development process. However, this direction did not include the budget correction of \$631,000 required to continue funding for those positions. As a result, the proposed budget was not implemented with the 2025-2026 Annual Budget adoption, and the Building Division now does not have enough salary savings to cover the 4Leaf contract increase being requested.

### **FISCAL IMPACT**

The proposed amendment to the Fiscal Year 2025-2026 General Fund budget will correct the budget allocation previously approved and appropriate expenditures in the amount of \$631,000. These funds are necessary to cover the cost of the 4Leaf contract work, and to maintain current baseline service levels within the Building Division until key staff positions can be filled.

### **ENVIRONMENTAL REVIEW**

This action is exempt from the California Environmental Quality Act (CEQA) because it is not a project which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment, pursuant to CEQA Guideline section 15378.

### **ATTACHMENTS**

**Subject: ADOPT A RESOLUTION APPROVING A SECOND AMENDMENT TO THE CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT WITH 4LEAF, INC.**

**TO INCREASE THE EXISTING NOT TO EXCEED AMOUNT FROM \$950,000 TO \$1,581,000 AND EXTEND THE TERM THROUGH JUNE 30, 2028, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME; AND PROVIDING NOTICE OF INTENT TO AMEND THE FISCAL YEAR 2025-2026 GENERAL FUND BUDGET IN THE AMOUNT OF \$631,000 TO COVER THE COST OF SERVICES (STEP 1 OF 2)**

**Page 3**

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|    |                                                           |
|----|-----------------------------------------------------------|
| 1. | Resolution Approving Second Amendment to 4LEAF, Inc. CPSA |
| 2. | 4LEAF Second Amend CPSA                                   |
| 3. | Original CPSA                                             |
| 4. | First Amendment to CPSA                                   |

**CONTACT**

Kristin Pollot, AICP, Planning & Development Services Director  
[Kristin.Pollot@cityofvallejo.net](mailto:Kristin.Pollot@cityofvallejo.net)



Approved as to form:

By:  for  
Veronica A.F. Nebb  
City Attorney

**RESOLUTION NO. 26-\_\_\_\_\_ N.C.**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO APPROVING A SECOND AMENDMENT TO THE CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT WITH 4LEAF, INC. TO EXTEND THE TERM OF THE AGREEMENT THROUGH JUNE 30, 2028, AND INCREASE CONSULTANT'S COMPENSTION BY AN ADDITIONAL \$631,000 FOR A NEW MAXIMUM NOT-TO-EXCEED AMOUNT OF \$1,581,000, AND AUTHORIZING THE CITY MANAGER TO EXECUTE SAME**

WHEREAS, pursuant to the existing Consultant and Professional Services Agreement, Consultant provides plan check and permit technician services to the City's Building Division on an as-needed basis to assist staff during periods of high construction activity, increased plan review volume, or staff shortages, and to support projects requiring specialized technical knowledge or expertise; and

WHEREAS, the existing Agreement is due to expire on June 30, 2026; and

WHEREAS, on November 18, 2025, the City Council approved the First Amendment to the Agreement to increase Consultant's compensation by an additional \$150,000 for a maximum not to exceed amount of \$950,000; and

WHEREAS, the Building Division continues to experience staffing challenges and most recently lost two senior level staff members, including the Building Inspection Supervisor and the Chief Building Official; and

WHEREAS, with no other senior level staff members available to run the division, it has become necessary to rely on outside consultant assistance to backfill these key positions to keep baseline division operations running (including the permitting counter, plan checking services and inspection processes); and

WHEREAS, the parties wish to amend the Agreement to extend the term of the Agreement through June 30, 2028, and to increase Consultant's compensation by an additional \$631,000, for a new maximum not-to-exceed amount of \$1,581,000.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Vallejo hereby:

1. Approves extending the term through June 30, 2028; and
2. Approves the Second Amendment to the Agreement with 4Leaf, Inc., increasing the not-to-exceed amount to \$1,581,000; and
3. Authorizes the City Manager to execute the Second Amendment, with any modifications approved by the City Attorney.

Adopted by the City Council of the City of Vallejo at a regular meeting held on May 12, 2026, with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

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ANDREA SORCE, MAYOR

ATTEST:

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DAWN G. ABRAHAMSON, CITY CLERK

Approved as to form:

By:  for  
Veronica A.F. Nebb  
City Attorney

## **SECOND AMENDMENT TO CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT WITH 4LEAF, INC.**

This Second Amendment to the Consultant and Professional Services Agreement, made and entered into on June 4, 2025, hereafter referred to as “Agreement”, between 4LEAF, Inc., therein referred to as “Consultant”, and the City of Vallejo, a municipal corporation, therein referred to as “City”, is made and entered into on this \_\_\_\_\_ of May 2026.

WHEREAS, pursuant to the existing Agreement, Consultant provides plan check and permit technician services to the City’s Building Division on an as-needed basis to assist staff during periods of high construction activity, increased plan review volume, or staff shortages, and to support projects requiring specialized technical knowledge or expertise; and

WHEREAS, the existing Agreement is due to expire on June 30, 2026; and

WHEREAS, on November 18, 2025, the City Council approved the First Amendment to the Agreement to increase Consultant’s compensation by an additional \$150,000 for a maximum not to exceed amount of \$950,000; and

WHEREAS, the Building Division continues to experience staffing challenges and most recently lost two senior level staff members, including the Building Inspection Supervisor and the Chief Building Official; and

WHEREAS, with no other senior level staff members available to run the division, it has become necessary to rely on outside consultant assistance to backfill these key positions in order to keep baseline division operations running (including the permitting counter, plan checking services and inspection processes); ; and

WHEREAS, the parties wish to amend the Agreement to extend the term of the Agreement through June 30, 2028, and to increase Consultant’s compensation by an additional \$631,000, for a new maximum not-to-exceed amount of \$1,581,000.

NOW THEREFORE, Consultant and City do mutually agree as follows:

**1. Revised Term of the Agreement.** Paragraph 17 of the Agreement term is hereby amended to read as follows:

“The term of this Agreement shall commence as of December 5, 2024 and shall continue in full force and effect until June 30, 2028.

City shall, at its discretion, have the right to extend the term of this Agreement, in intervals of one year, by written notice to Consultant. The total duration of this Agreement, including the exercise of any options under this section, shall not exceed five years.

If the term of this Agreement extends into fiscal years subsequent to that in which it is approved, such continuation of the Agreement is contingent on the appropriation of funds for such purpose by the City Council of the City of Vallejo. If funds to effect such continued payment are not appropriated, Consultant agrees to terminate any services supplied to City of Vallejo under this Agreement and relieve City of any further obligation therefore.”

**2. Revised Compensation to Consultant.** Consultant’s compensation as set forth in Section 1.A of Exhibit B of the Agreement is hereby increased by Six Hundred Thirty-One Thousand Dollars (\$631,000), for a total maximum not-to-exceed amount of One Million Five Hundred Eighty-One Thousand Dollars (\$1,581,000).

**3. Integration.** This Second Amendment contains the entire agreement between the parties with respect to its subject matter and supersedes whatever oral or written understanding they may have had prior to the execution of this Second Amendment. This Second Amendment shall not be amended or modified except by a written agreement executed by each of the parties. Except as specifically revised herein, all terms and conditions of the Agreement, and all prior amendments, if any, shall remain in full force and effect, and Consultant shall perform all duties, obligations and conditions required under the Agreement.

**4. Inconsistencies.** In the event of any conflict or inconsistency between the provisions of this Second Amendment and the Agreement, and any prior amendment, if any, the provisions of this Second Amendment shall control in all respects.

**5. Ambiguities.** The parties have each carefully reviewed this Second Amendment and have agreed to each term of this Second Amendment. No ambiguity shall be presumed to be construed against either party.

**6. Counterparts.** This Second Amendment may be executed by the parties in one or more counterparts, all of which collectively shall constitute one document and agreement.

**Authority.** The person signing this Second Amendment for Consultant hereby represents and warrants that he or she is fully authorized to sign this Second Amendment on behalf of Consultant.

(SIGNATURES ARE ON THE FOLLOWING PAGE)

IN WITNESS WHEREOF, the parties have entered into this Second Amendment on the day and year first hereinabove appearing.

4LEAF, INC.  
a California corporation

CITY OF VALLEJO,  
a municipal corporation

By: \_\_\_\_\_  
Kevin Duggan  
President

By: \_\_\_\_\_  
Gillian Haen  
Acting City Manager

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

(City Seal)

By: \_\_\_\_\_  
Nalungo Conley  
Acting City Manager

DATE: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_  
Dawn G. Abrahamson  
City Clerk

APPROVED AS TO INSURANCE:

\_\_\_\_\_  
Armond Sarkis  
Risk Manager

APPROVED AS TO FORM:

\_\_\_\_\_  
Veronica A. F. Nebb  
City Attorney



Approved as to form:

By:  for  
Veronica A.F. Nebb  
City Attorney

## **CONSULTANT AND PROFESSIONAL SERVICES AGREEMENT** **4LEAF, INC**

This Consultant and Professional Services Agreement (“Agreement”) is made at Vallejo, California, dated for reference this 4<sup>th</sup> day of June 2025, by and between the City of Vallejo, a municipal corporation (“City”), and 4Leaf, Inc hereinafter referred to as “Consultant”, who agree as follows:

- 1. Services.** Subject to the terms and conditions set forth in this Agreement, Consultant shall provide the City professional services as specified in Exhibit A, entitled “Scope of Work.”
- 2. Payment.** City shall pay Consultant for services rendered pursuant to this agreement at the times and in the manner set forth in Exhibit B, entitled “Compensation.” The payments specified in Exhibit B shall be the only payments to be made to Consultant for services rendered pursuant to this Agreement.
- 3. Facilities and Equipment.** Consultant shall, at its sole cost and expense, furnish all facilities and equipment which may be required for furnishing services pursuant to this Agreement.
- 4. Indemnification.** Consultant shall indemnify, hold harmless, and defend City, its officers, officials, directors, employees, agents, volunteers and affiliates and each of them from any and all claims, demands, causes of action, damages, costs, expenses, actual attorney’s fees, consultant’s fees, expert fees, losses or liability, in law or in equity, of every kind and nature whatsoever arising out of or in connection with Consultant’s operations, or any subcontractor’s operations, to be performed under this agreement for Consultant’s or subcontractor’s tort negligence including active or passive, or strict negligence, including but not limited to personal injury including, but not limited to bodily injury, emotional injury, sickness or disease, or death to persons and/or damage to property of anyone, including loss of use thereof, caused or alleged to be caused by any act or omission of Consultant, or any subcontractor, or anyone directly or indirectly employed by any of them or anyone for the full period of time allowed by the law, regardless to any limitation by insurance, with the exception of the sole negligence or willful misconduct of the City.

Consultant shall also indemnify, hold harmless, and defend City, its officers, officials, directors, employees, agents, volunteers and affiliates and each of them from any and all claims, demands, causes of action, damages, costs, expenses, actual attorney’s fees, consultant’s fees, expert fees, losses or liability, in law or in

equity, of every kind and nature whatsoever arising out of or in connection with Consultant's operations, or any subcontractor's operations, related to costs or benefits associated with California Public Employment Retirement System (CalPERS) membership where Consultant supplies a CalPERS member who CalPERS determines is subject to enrollment.

The provisions of this section shall survive the expiration or termination of this Agreement.

**5. Insurance Requirements.** Consultant agrees to comply with all of the Insurance Requirements set forth in Exhibit C, entitled "Insurance Requirements for Consultant." Failure to maintain required insurance at all times shall constitute a default and material breach.

**6. Accident Reports.** Consultant shall immediately report (as soon as feasible, but not more than 24 hours) to the City Risk Manager any accident or other occurrence causing injury to persons or property during the performance of this Agreement. The report shall be made in writing and shall include, at a minimum: (a) the names, addresses, and telephone numbers of the persons involved, (b) the names, addresses, and telephone numbers of any known witnesses, (c) the date, time, and description of the accident or other occurrence.

**7. Conflict of Interest.** Consultant warrants and represents that to the best of its knowledge, there exists no actual or potential conflict between Consultant's family, business, real property or financial interests and the services to be provided under this Agreement. Consultant shall comply with the City of Vallejo Conflict of Interest Code and not enter into any contract or agreement during the performance of this Agreement which will create a conflict of interest with its duties to City under this Agreement. In the event of a change in Consultant's family, business, real property, or financial interests occurs during the term of this Agreement that creates an actual or potential conflict of interest, then Consultant shall disclose such conflict in writing to City. Every individual who performs services on behalf of Consultant pursuant to this Agreement must file a full Statement of Economic Interests (also known as Form 700) with the City Clerk if the work of the individual involves making a governmental decision whether to issue, deny, suspend, or revoke any permit, license, application, certificate, approval, order, or similar authorization or entitlement; authorizes the City to enter into, modify, or renew a contract; grants City approval of specifications for a contract; adopts or approves for the City any policy, standard or guideline; lobbies on behalf of the City, or performs the same or substantially all the same duties for the City that would otherwise be performed by an individual holding a position specified in the City's Conflict of Interest Code.

**8. Independent Contractor.** Consultant is an independent contractor. Neither Consultant nor any of Consultant's officers, employees, agents, or subcontractors, if any, is an employee of City by virtue of this Agreement or



performance of any services pursuant to this Agreement. City shall have the right to control Consultant only insofar as the results of Consultant's services rendered pursuant to this Agreement; however, City shall not have the right to control the means by which Consultant accomplishes services pursuant to this Agreement.

**9. Licenses, Permits, Etc.** Consultant represents and warrants to City that all consultant services shall be provided by a person or persons duly licensed by the State of California to provide the type of services to be performed under this Agreement and that Consultant has all the permits, qualifications and approvals of whatsoever nature which are legally required for Consultant to practice its profession. Consultant represents and warrants to City that it shall, at its sole cost and expense, keep in effect at all times during the term of this Agreement any licenses, permits, and approvals which are legally required for Consultant to practice its profession.

**10. Business License.** Consultant, and its subcontractors, has obtained or agrees to apply prior to performing any services under this Agreement to City's Finance Department for a business license, pay the applicable business license tax and maintain said business license during the term of this Agreement. The failure to obtain such license shall be a material breach of this Agreement and grounds for termination by City. No payments shall be made to Consultant until such business license(s) has been obtained.

**11. Standard of Performance.** Consultant shall provide products and perform all services required pursuant to this Agreement in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised under similar conditions by a member of Consultant's profession currently practicing in California.

Consultant is responsible for making an independent evaluation and judgment of all conditions affecting performance of the work, including without limitation applicable federal, state, and local laws and regulations, and all other contingencies or considerations.

Consultant's responsibilities under this section shall not be delegated. Consultant shall be responsible to City for acts, errors, or omissions of Consultant's subcontractors.

Consultant is responsible for making an independent evaluation and judgment of all conditions affecting performance of the work and shall prepare plans, reports, and/or other work products in such a way that additional costs will not be incurred beyond a project budget approved or amended by the City Manager or his or her designee.

Whenever the scope of work requires or permits review, approval, conditional approval or disapproval by City, it is understood that such review, approval,

conditional approval or disapproval is solely for the purposes of administering this Agreement and determining whether the Consultant is entitled to payment for such work, and not be construed as a waiver of any breach or acceptance by the City of any responsibility, professional or otherwise, for the work, and shall not relieve the Consultant of responsibility for complying with the standard of performance or laws, regulations, industry standards, or from liability for damages caused by negligent acts, errors, omissions, noncompliance with industry standards, or the willful misconduct of Consultant.

**12. Force Majeure.** Neither party shall be considered in default of this Agreement to the extent performances are prevented or delayed by causes or circumstances beyond either party's reasonable control, such as war, riots, strikes, lockouts, work slowdown or stoppage, acts of God, such as floods or earthquakes, and electrical blackouts or brownouts.

In the event that the Consultant is unable to meet the completion date or schedule of services, Consultant shall immediately inform the City Representative of this in writing. If additional time is required to perform the work, the City Representative may adjust the schedule.

**13. Time is of the Essence.** Time is of the essence in this Agreement. Any reference to days means calendar days, unless otherwise specifically stated.

**14. Personnel.** Consultant agrees to assign only competent personnel according to the reasonable and customary standards of training and experience in the relevant field to perform services under this Agreement. Failure to assign such competent personnel shall constitute grounds for termination of this Agreement.

The payment made to Consultant pursuant to this Agreement shall be the full and complete compensation to which Consultant and Consultant's officers, employees, agents, and subcontractors are entitled for performance of any work under this Agreement. Neither Consultant nor Consultant's officers or employees are entitled to any salary or wages, or retirement, health, leave or other fringe benefits applicable to employees of the City. The City will not make any federal or state tax withholdings on behalf of Consultant. The City shall not be required to pay any workers' compensation insurance on behalf of Consultant.

Consultant shall pay, when and as due, any and all taxes incurred as a result of Consultant's compensation hereunder, including estimated taxes, and shall provide City with proof of such payments upon request.

**15. General Prohibition on Assignment of CalPERS Members and Annuitants.** Consultant shall not hire, employ, or use, as an employee, subcontractor or agent of Consultant (Assigned Individual) any California Public Employment Retirement System (CalPERS) member or annuitant in connection

with the provision of services under this Agreement. Nor shall Consultant allow any of its subcontractors, agents, or other representatives to employ CalPERS members or annuitants for the purpose of performing work under this Agreement. Failure to comply with the provisions of this section shall constitute a material breach of Consultant's obligations under this Agreement and shall be grounds for termination.

The City Manager and the Human Resources Director may together approve an exception which they determine either: (i) meets the requirements of CalPERS relating to Independent Contractors; or (ii) where such Assigned Individual who is an Annuitant, has not, and will not, exceed 960 total hours in a fiscal year (July 1 to June 30) for all CalPERS employers combined, and satisfies all other CalPERS annuitant requirements. No Assigned Individual, regardless of CalPERS membership at the time the labor is provided, may exceed 1,000 hours in a fiscal year (July 1 to June 30).

**16. Consultant Not Agent.** Except as authorized under this Agreement or as City may authorize in a letter of authorization signed by the City Manager or his or her designee, Consultant shall have no authority, express or implied to act on behalf of City in any capacity whatsoever as an agent. Consultant shall have no authority, express or implied, under this Agreement, to bind City to any obligation whatsoever.

**17. Term.** The term of this Agreement shall commence as of December 5, 2024 and shall continue in full force and effect until June 30, 2026.

City shall, at its discretion, have the right to extend the term of this Agreement, in intervals of one year, by written notice to Consultant. The total duration of this Agreement, including the exercise of any options under this section, shall not exceed three years.

If the term of this Agreement extends into fiscal years subsequent to that in which it is approved, such continuation of the Agreement is contingent on the appropriation of funds for such purpose by the City Council of the City of Vallejo. If funds to effect such continued payment are not appropriated, Consultant agrees to terminate any services supplied to City of Vallejo under this Agreement, and relieve City of any further obligation therefore.

**18. Termination or Abandonment by City.** The City has the right, at any time and in its sole discretion, to immediately terminate or abandon any portion or all of the services to be provided under this Agreement by giving notice to Consultant. Upon receipt of a notice of termination, Consultant shall perform no further work except as specified in the notice. Before the date of termination, Consultant shall deliver to City all City records and documents, all work product, whether completed or not, as of the date of termination and not otherwise previously delivered.

The City shall pay Consultant for services performed in accordance with this Agreement before the date of termination. If this contract provides for payment of a lump sum for all services or by task and termination occurs before completion of the work or any defined task which according to the performance schedule was commenced before the notice of termination, the fee for services performed shall be based on an amount mutually agreed to by City and Consultant for the portion of work completed in conformance with this Agreement before the date of termination. In addition, the City will reimburse Consultant for authorized expenses incurred and not previously reimbursed. The City shall not be liable for any fees or costs associated for the termination or abandonment except for the fees, and reimbursement of authorized expenses, payable pursuant to this section.

**19. Products of Consulting Services.** The work product, including without limitation, all writings, work sheets, reports, recordings, drawings, files, detailed calculations and other work products, whether complete or incomplete, of Consultant resulting from services rendered pursuant to this Agreement, shall become the property of City. Consultant agrees that all copyrights which arise from creation of the work under this Agreement shall be vested in the City and waives and relinquishes all claims to copyright or other intellectual property rights in favor of the City. City acknowledges that its use of the work product is limited to the purposes contemplated by the scope of work and that the Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by the scope of work.

Documents submitted to the City in electronic format shall be formatted according to specifications provided by the City, or if not otherwise specified, in Microsoft Word, Excel, PowerPoint or other Microsoft Office Suite (2002) format as appropriate for the particular work product or, if directed by the City Representative in Adobe Acrobat PDF format.

**20. Cooperation by City.** City shall, to the extent reasonable and practicable, assist and cooperate with Consultant in the performance of Consultant's services hereunder.

**21. Assignment and Subcontracting.** Consultant shall not subcontract, assign or transfer voluntarily or involuntarily any of its rights, duties or obligation under this Agreement without the express written consent of the City Manager or his or her designee in each instance. Any attempted or purported assignment of any right, duty or obligation under this Agreement without said consent shall be void and of no effect.

If subcontracting of work is permitted, Consultant shall pay its subcontractor within ten (10) days of receipt of payment by City for work performed by a subcontractor and billed by the Consultant. Use of the term subcontractor in any other provision of this contract shall not be construed to imply authorization for Consultant to use

subcontractors for performance of any service under this Agreement.

The City is an intended beneficiary of any work performed by Consultant's subcontractor for purposes of establishing a duty of care between the subcontractor and City.

Any subcontractor or assignee consented to by City shall be bound by all terms and conditions of this agreement and the same shall be incorporated into and made a part of any assignment or subcontractor agreement.

**22. Successors and Assigns.** All terms, conditions, and provisions of this Agreement shall apply to and bind the respective heirs, executors, administrators, successors, and assigns of the parties. Nothing in this section is intended to affect the limitation on assignment.

**23. Non-Discrimination/Fair Employment Practices.**

(a) Consultant shall not, because of race, religious creed, color, sex, national origin, ancestry, disability, medical condition, age, marital status or sexual orientation of any person, refuse to hire or employ, or to bar or discharge from employment, or to discriminate in compensation, or in terms, conditions or privileges any person, and every employee will receive equal opportunity for employment and shall be granted equal treatment with respect to compensation, terms, conditions or other privileges of employment, without regard to his race, religious creed, color, sex, national origin, ancestry, or disability, medical condition, age, marital status or sexual orientation.

Consultant warrants and represents it is an equal opportunity employer and agrees it shall not discriminate on the basis of race, religious creed, color, sex, national origin, ancestry, disability, medical condition, age, marital status or sexual orientation in the selection and retention of employees, subcontractors or procurement of materials or equipment.

In all solicitations either by competitive bidding or negotiations made by Consultant for work to be performed under any subcontract, including procurement of materials or equipment, each potential subcontractor or supplier shall be notified by Consultant of Consultant's obligation under this Agreement relative to nondiscrimination and fair employment practices.

Consultant shall include the above provisions of this section in every subcontract, including procurement of materials or equipment.

(b) Consultant agrees to comply with Title VII of the Civil Rights Act of 1964, as amended, the California Fair Employment Practices Act, the Americans with Disabilities Act of 1990, any other applicable federal and state laws and regulations and City ordinances and regulations hereinafter enacted.

**24. Notices.** All notices or instruments required to be given or delivered by law or this Agreement shall be in writing and shall be effective upon receipt thereof and shall be by personal service or delivered by depositing the same in any United States Post Office, registered or certified mail, postage prepaid, addressed to:

If to City:

Bill Collins, CBO  
Planning and Development Svcs. Dept.  
555 Santa Clara Street  
Vallejo, CA 94590  
[bill.collins@cityofvallejo.net](mailto:bill.collins@cityofvallejo.net)

If to Consultant:

Craig Tole  
Director of Development Services  
2126 Rheem Drive  
Pleasanton, CA 94588  
[ctole@4leaf.com](mailto:ctole@4leaf.com)

Any party may change its address for receiving notices by giving written notice of such change to the other party in accordance with this section.

Routine administrative communications shall be made pursuant to section 1 of Exhibit A.

**24. Integration Clause.** This Agreement, including all Exhibits, contains the entire agreement between the parties and supersedes whatever oral or written understanding they may have had prior to the execution of this Agreement. This Agreement shall not be amended or modified except by a written agreement executed by each of the parties hereto.

**25. Severability Clause.** Should any provision of this Agreement ever be deemed to be legally void or unenforceable, all remaining provisions shall survive and be enforceable.

**26. Law Governing.** This Agreement shall in all respects be governed by the law of the State of California without regard to its conflicts of law rules. Litigation arising out of or connected with this Agreement shall be instituted and maintained in the courts of Solano County in the State of California or in the United States District Court, Eastern District of California, Sacramento, California, and the parties consent to jurisdiction over their person and over the subject matter of any such litigation in such courts, and consent to service of process issued by such courts.

**27. Waiver.** Waiver by either party of any default, breach or condition

precedent shall not be construed as a waiver of any other default, breach or condition precedent or any other right hereunder.

**28. Ambiguity.** The parties acknowledge that this is a negotiated agreement, that they have had the opportunity to have this Agreement reviewed by their respective legal counsel, and that the terms and conditions of this Agreement are not to be construed against any party on the basis of such party's draftsmanship thereof.

**29. Gender.** All pronouns and any variations thereof shall be deemed to refer to the masculine, feminine, neuter, singular or plural, as the identifications of the person or persons, firm or firms, corporation or corporations may require.

**30. Headings.** The section headings contained in this Agreement are inserted for convenience only and shall not affect in any way the meaning or interpretation of this Agreement.

**31. Compliance with Laws.** Consultant will comply with all statutes, regulations and ordinances in the performance of all services under this Agreement.

**32. Confidentiality of City Information.** During the performance of services under this Agreement, Consultant may gain access to and use City information regarding, but not limited to, procedures, policies, training, operational practices, and other vital information (hereafter collectively referred to as "City Information") which are valuable, special and unique assets of the City. Consultant agrees that it will not use any information obtained as a consequence of the performance of services under this Agreement for any purpose other than fulfillment of Consultant's scope of work, to protect all City Information and treat it as strictly confidential and proprietary to City, and that it will not at any time, either directly or indirectly, divulge, disclose or communicate in any manner any City Information to any third party, other than its own employees, agents or subcontractors who have a need for the City Information for the performance of services under this Agreement, without the prior written consent of City, or as required by law.

Consultant shall treat all records and work product prepared or maintained by Consultant in the performance of this Agreement as confidential.

A violation by Consultant of this section shall be a material violation of this Agreement and will justify legal and/or equitable relief.

Consultant's obligations under this section shall survive the completion of services, expiration or termination of this Agreement.

**33. News and Information Release.** Consultant agrees that it will not issue any news releases in connection with either the award of this Agreement, or any

subsequent amendment of or efforts under this Agreement, without first obtaining review and approval of said news releases from City through the City Representative.

**34. City Representative.** The City Representative specified in Exhibit A, or the representative's designee, shall administer this Agreement for the City.

**35. Counterparts.** The parties may execute this Agreement in one or more counterparts, each of which shall be deemed an original, but all of which together shall be deemed one and the same instrument.

**36. Facsimile Signature; Electronic Signature.** This Agreement shall be binding upon the receipt of facsimile signatures or e-mailed by PDF or otherwise. Any person transmitting his or her signature by facsimile or electronically shall promptly send an original signature to the other party pursuant to the notice provision of this Agreement. The failure to send an original shall not affect the binding nature of this Agreement.

**37. Authority.** The person signing this Agreement for Consultant hereby represents and warrants that he/she is fully authorized to sign this Agreement on behalf of Consultant.

**38. Exhibits.** The following exhibits are attached hereto and incorporated herein by reference:

Exhibit A, entitled "Scope of Work," including any attachments

Exhibit B, entitled "Compensation," including any attachments

Exhibit C, entitled "Insurance Requirements," including attachments

[SIGNATURES ON FOLLOWING PAGE]



IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year shown below the name of each of the parties.

4LEAF, INC.,  
A California corporation

CITY OF VALLEJO,  
a municipal corporation

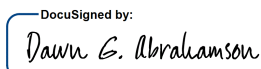
By:   
Kevin Duggan  
President

Signed by:  
By:   
Andrew Murray  
City Manager

DATE: 7/15/2025

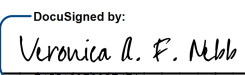
DATE: 7/25/2025

ATTEST:

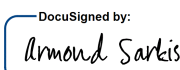
By:   
Dawn G. Abrahamson  
City Clerk

(City Seal)

APPROVED AS TO FORM:

By:   
Veronica A. F. Nebb  
City Attorney

APPROVED AS TO INSURANCE:

By:   
Armond Sarkis  
Risk Manager

## EXHIBIT A

### SCOPE OF WORK

- 1. Representatives.** The City Representative for this Agreement is:

Bill Collins  
CBO  
Planning & Development Services  
555 Santa Clara Street  
Vallejo, CA 94590  
[Bill.Collins@cityofvallejo.net](mailto:Bill.Collins@cityofvallejo.net)

The Consultant's Representative for this Agreement is:

Craig Tole  
Director of Development Services  
4Leaf, Inc.  
2126 Rheem Drive  
Pleasanton, CA 94588  
[ctole@4leaf.com](mailto:ctole@4leaf.com)

All routine administrative communications between the parties will be between the above-named representatives and may be by personal delivery, mail, facsimile transmission, or electronic mail as agreed between the Consultant Representative and City's Representative.

- 2. Services to be Provided.** The services provided shall be as set forth in Attachment 1 of Exhibit A, attached hereto and incorporated herein by this reference.

- 3. Time for Performance.** Consultant will perform the services according to the schedule below. If the schedule calls for the services to be performed in phases or discrete increments, Consultant shall not proceed from one phase or increment to the next without written authorization from the City's Representative. Consultant will complete all services by June 30, 2026, unless this Agreement is extended as provided in Section 17.

- 4. No Set Work Hours.** Consultant shall be solely responsible for determining the working hours of its individual personnel, employees, agents, and representatives within the limitations otherwise provided in this Agreement.

## Attachment 1 – Exhibit A

### **SCOPE OF WORK – INSPECTION** **Inspection Services**

#### **Periodic Inspection Services**

#### **Available Next Day**

4LEAF will fulfill inspection requests immediately upon request including same day. 4LEAF has a wealth of local and available inspectors ready to serve the City.

#### **Part-Time Inspection Services**

#### **Available Next Day**

4LEAF will provide the City with part-time inspectors upon request. 4LEAF can provide part-time staff within 24 hours of request for any duration of time. 4LEAF's Project Manager will work closely with the department to identify the right personnel and determine the appropriate work schedule.

#### **Full-Time Inspection Services**

#### **Available Two Days or Less**

4LEAF will provide full-time inspectors upon request.

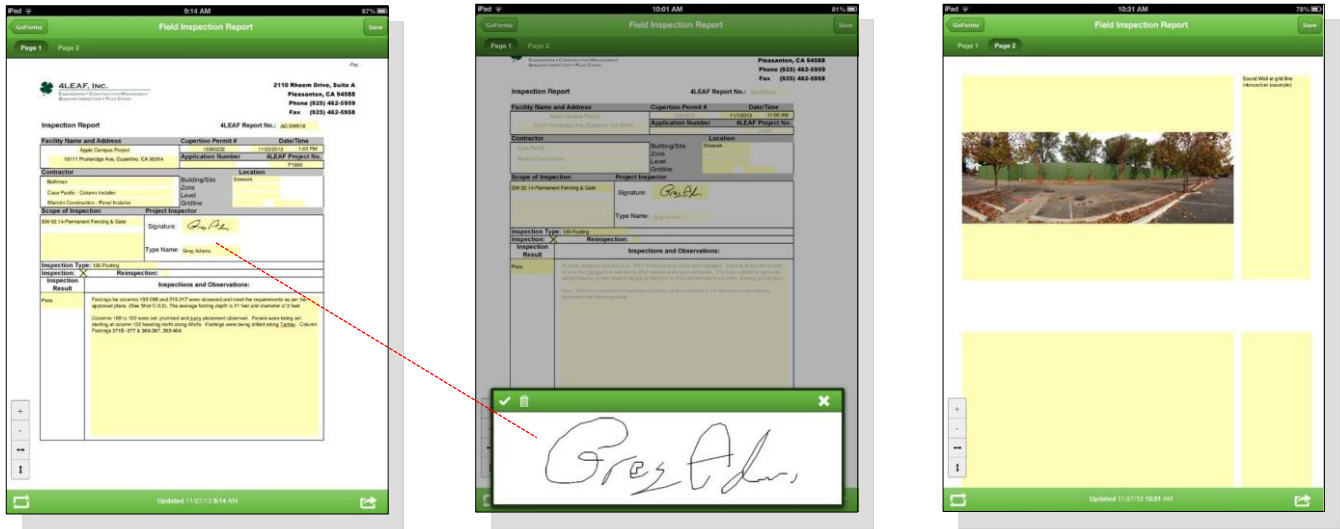
#### **Project Specific Inspection Services Available Two Days or Less**

#### **GoFormz**

4LEAF will implement the GoFormz software for inspection requests. With licenses owned by the City, 4LEAF's Administration team will prepare inspection requests and inspection results documenting construction activity. In addition, 4LEAF will be able to extract information and provide detailed monthly reports detailing the construction activity. The reports will be detailed to identify contractors, subcontractors, work progress, pictures, and a detailed explanation of the field activities.

GoFormz allows every piece of information collected on a project to be accessible by all staff as every form is stored securely and safely in the Cloud. The information can be accessed through a user's web account where they can view any inspection report and run reports on project data. The information can be accessed through a user's web account where they can view any inspection report and run reports on project data.

The inspector will be able to leave detailed notes under the inspections and observations box and instantaneously attach pictures to the report to show the item inspected. The inspector will also be able to sign the report by hand on the iPad through the mobile signature block and pictures taken from the iPad are stored on the inspection document.



## EXHIBIT B

### COMPENSATION

#### 1. **Consultant's Compensation.**

A. Services: City agrees to pay Consultant, at the rate(s) specified below, for those services set forth in Exhibit A of this Agreement for a total not to exceed EIGHT HUNDRED THOUSAND DOLLARS AND ZERO CENTS. (\$800,000.00)

Consultant shall notify City in writing no later than thirty (30) days prior to the estimated date when Consultant will have billed City the maximum payment amount permitted under this Agreement, and Consultant shall provide City with an estimate of the additional compensation required to complete the project.

City agrees to pay Consultant for those services set forth in Exhibit A of this Agreement and for all authorized reimbursable expenses, upon satisfactory completion of the services and delivery of the work product.

#### B. Additional Services:

1. Additional Services are those services related to the scope of Services of Consultant as set forth in Exhibit A but not anticipated at the time of execution of this Agreement. Additional Services shall be provided only when a Supplemental Agreement authorizing such Additional Services is approved by the City Manager, or his or her designee. City reserves the right to perform any Additional Services with its own staff or to retain other Consultants to perform said Additional Services.

2. Consultant's compensation for Additional Services shall be based on the total number of hours spent on Additional Services multiplied by the employees' appropriate billable hourly rate as established below. City, at its option, may negotiate a fixed fee for some or all Additional Services as the need arises. Where a fixed fee for Additional Services is established by mutual Agreement between City and Consultant, compensation to Consultant shall not exceed the fixed fee amount.

#### 2. **Appropriate Billable Hourly Rates for Services and Additional Services.**

Consultant's billable hourly rates shall be as listed in Attachment 1 of Exhibit B, attached hereto and incorporated herein by this reference.

3. **Consultant's Reimbursable Expenses.** Reimbursable Expenses shall be limited to actual reasonable expenditures of Consultant for expenses that are

necessary for the proper completion of the Services and shall only be payable if specifically authorized in advance by City.

#### **4. Payments to Consultant.**

A. Payments to Consultant shall be made within a reasonable time after receipt of Consultant's invoice, said payments to be made in proportion to services performed. Consultant may request payment on a monthly basis. Consultant shall be responsible for the cost of supplying all documentation necessary to verify the monthly billings to the satisfaction of City.

B. All invoices submitted by Consultant shall contain the following information:

1. Description of services billed under this invoice
2. Date of Invoice Issuance
3. Sequential Invoice Number
4. City's Purchase Order Number (if issued)
5. Social Security Number or Taxpayer Identification Number
6. Amount of this Invoice (Itemize all Reimbursable Expenses")
7. Total Billed to Date

C. Items shall be separated into Services and Reimbursable Expenses. Billings that do not conform to the format outlined above shall be returned to Consultant for correction. City shall not be responsible for delays in payment to Consultant resulting from Consultant's failure to comply with the invoice format described above.

D. Request for payment shall be sent to:

Dale Miller  
 Administrative Analyst  
 Planning & Development Services  
 555 Santa Clara Street  
 Vallejo, CA 94590  
[Dale.Miller@cityofvallejo.net](mailto:Dale.Miller@cityofvallejo.net)

**5. Accounting Records of Consultant.** Consultant shall maintain for three (3) years after completion of all services hereunder, all records under this Agreement, including, but not limited to, records of Consultant's direct salary costs for all Services and Additional Services performed under this Agreement and records of Consultant's Reimbursable Expenses, in accordance with generally accepted accounting practices. Consultant shall keep such records available for audit, inspection and copying by representatives of the City's Finance Department or other government agencies during regular business hours upon twenty-four (24) hours' notice.

The obligations of Consultant under this section shall survive this Agreement.

**6. Taxes.** Consultant shall pay, when and as due, any and all taxes incurred as a result of Consultant's compensation hereunder, including estimated taxes, and shall provide City with proof of such payments upon request.

**7. Taxpayer Identification Number.** Consultant shall provide City with Consultant's complete Request for Taxpayer Identification Number and Certification, Form W-9, as issued by the Internal Revenue Service, and any other State or local tax identification number requested by City.

Attachment 1 - Exhibit B

City of Vallejo Building Division Services

| Service                                      | Hourly Rate |
|----------------------------------------------|-------------|
| 1. Building Inspection / Plan Check Services | \$115       |
| 2. Permit Technician Services                | \$70        |



## EXHIBIT C

### INSURANCE REQUIREMENTS

Consultant shall procure and maintain for the duration of this Agreement, including any extensions thereto, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of services hereunder by the Consultant, their agents, representatives, or employees or subcontractors.

**1. Minimum Scope of Insurance.** Coverage shall be at least as broad as:

A. Insurance Services Office form number GL 0002 covering Comprehensive General Liability and Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability; or Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).

B. Insurance Services Office form number CA 0001 covering Automobile Liability, code 1 any auto and endorsement CA 0025.

C. Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

D. Professional Liability insurance appropriate to the Consultant's profession (Errors and Omission).

**2. Minimum Limits of Insurance.** Consultant shall maintain limits no less than:

A. General Liability: \$2,000,000 per occurrence for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

B. Automobile Liability: \$1,000,000 per accident for bodily injury and property damage.

C. Workers' Compensation and Employer's Liability: \$1,000,000 per accident for bodily injury or disease. If Consultant is not subject to California Workers' Compensation requirements, Consultant shall file a completed certificate of exemption form which may be obtained from the City prior to commencing any activity authorized hereunder.

D. Professional Liability (Errors and Omission): \$1,000,000 combined single limit per occurrence, and annual aggregate.

**3. Deductible and Self-Insured Retention.** Any deductibles or self-insured retention must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retention as respects the City of Vallejo, its officers, officials, employees and volunteers; or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

**4. Other Insurance Provisions.** The general liability and automobile liability policies, as can be provided, are to contain, or be endorsed to contain, the following provisions:

A. The City of Vallejo, its officers, officials, employees, agents and volunteers are to be covered as additional insureds as respects; liability, including defense costs, arising out of activities performed by or on behalf of the Consultant; products and completed operations of the Consultant; premises owned, occupied or used by the Consultant; or automobiles owned, leased hired or borrowed by the Consultant. The coverage shall contain no special limitations on the scope of protection afforded to the City of Vallejo, its officers, officials, employees, agents or volunteers. The insurance is to be issued by companies licensed to do business in the State of California.

B. For any claims related to this project, the Consultant's insurance coverage shall be primary insurance as respects the City of Vallejo, its officers, officials, employees, agents, and volunteers. Any insurance or self-insurance maintained by the City of Vallejo, its officers, officials, employees, agents, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

C. Any failure to comply with reporting or other provisions of the policies including breaches of warranties shall not affect coverage provided to the City, its officers, officials, employees, agents, or volunteers.

D. The Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

E. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the City.

F. The workers' compensation and employer's liability policy required hereunder shall be endorsed to state that the workers' compensation carrier

waives its right of subrogation against City, its officers, officials, employees, agents and volunteers, which might arise by reason of payment under such policy in connection with Consultant's performance under this Agreement.

**5. Acceptability of Insurers.** Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII.

**6. Verification of Coverage.** Consultant shall furnish the City with certificates of insurance and original endorsements effecting general and automobile liability insurance coverage required by this clause. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by the City before work commences.

**7. Subcontractors.** Consultant shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

**8. Payment Withhold.** City will withhold payments to Consultant if the certificates of insurance and endorsements required in Paragraph F, above, are canceled or Consultant otherwise ceases to be insured as required herein.

Approved as to form:

By:  for  
Veronica A.F. Nebb  
City Attorney

## FIRST AMENDMENT TO CONSULTANT AND PROFESSIONAL SERVICES 4LEAF, INC.

This First Amendment to the Consultant and Professional Services Agreement, made and entered into on June 4, 2025, hereafter referred to as Agreement, between 4LEAF, INC. therein referred to as “Consultant”, and the City of Vallejo, a municipal corporation, therein referred to as “City”, is made and entered into on this 18th day of November 2025.

WHEREAS, pursuant to the existing Agreement, Consultant provides plan check and permit technician services to the City’s Building Division on an as-needed basis and to support projects requiring specialized technical knowledge or expertise; and

WHEREAS, the existing Agreement has a not-to-exceed amount of \$800,000 and is due to expire on June 30, 2026; and

WHEREAS, the parties wish to amend the Agreement to increase Consultant’s compensation by an additional \$150,000, for a maximum not-to-exceed amount of \$950,000.

NOW THEREFORE, Consultant and City do mutually agree as follows:

- 1. Revised Compensation to Consultant.** Consultant’s compensation as set forth in Section 1.A of Exhibit B of the Agreement is hereby increased by \$150,000 to a maximum not to exceed amount of \$950,000.
- 2. Integration.** The Agreement as amended by this First Amendment contains the entire agreement between the parties with respect to its subject matter and supersedes whatever oral or written understanding they may have had prior to the execution of this First Amendment. Neither the Agreement nor this First Amendment shall be amended or modified except by a written agreement executed by each of the parties. Except as specifically revised herein, all terms and conditions of the Agreement, and all prior amendments, if any, shall remain in full force and effect, and Consultant shall perform all duties, obligations and conditions required under the Agreement.
- 3. Inconsistencies.** In the event of any conflict or inconsistency between the provisions of this First Amendment and the Agreement, or any prior amendment, if any, the provisions of this First Amendment shall control in all respects.
- 4. Ambiguities.** The parties have each carefully reviewed this First Amendment and have agreed to each term of this First Amendment. No ambiguity shall be presumed to

be construed against either party.

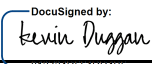
**5. Counterparts.** This First Amendment may be executed by the parties in one or more counterparts, all of which collectively shall constitute one document and agreement.

**6. Authority.** The person signing this First Amendment for Consultant hereby represents and warrants that he or she is fully authorized to sign this First Amendment on behalf of Consultant.

IN WITNESS WHEREOF, the parties have entered into this First Amendment on the day and year first hereinabove appearing.

4LEAF, INC.  
a California corporation

CITY OF VALLEJO,  
a municipal corporation

By:   
Kevin Duggan  
President

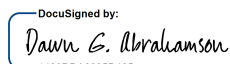
By:   
Andrew Murray  
City Manager

DATE: 11/26/2025

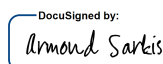
DATE: 12/30/2025

(City Seal)

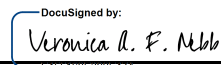
ATTEST:

By:   
Dawn G. Abrahamson  
City Clerk

APPROVED AS TO INSURANCE:

  
Armond Sarkis  
Risk Manager

APPROVED AS TO FORM:

  
Veronica A. F. Nebb  
City Attorney





**DATE:** May 12, 2026  
**TO:** Mayor and Members of the City Council  
**FROM:** Nalungo Conley, Acting City Manager  
**SUBJECT:** **ADOPT A RESOLUTION PROVIDING DIRECTION TO STAFF AFTER CONSIDERING THE PROPOSED AMENDMENTS TO THE VALLEJO FLOOD AND WASTEWATER DISTRICT GOVERNANCE STRUCTURE**

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### **RECOMMENDATION**

Staff recommends that the City Council review the proposed legislative language regarding the Vallejo Flood and Wastewater District governance structure and provide direction to staff on one of the following options: (1) support the proposal as drafted, (2) support the proposal with recommended amendments, (3) do not support the proposal, or (4) take no formal position and provide comments for informational purposes only. Staff will transmit the City Council's direction, if any, to the Vallejo Flood and Wastewater District and/or other relevant stakeholders as appropriate.

### **REASONS FOR RECOMMENDATION**

This item is being brought forward to provide the City Council with an opportunity to review proposed legislative language related to the Vallejo Flood and Wastewater District governance structure and to provide clear direction to staff. The proposed options allow the Council to articulate the City's position in a structured manner, including support, support with amendments, non-support, or no formal position with comments.

Providing Council direction ensures that staff can accurately and consistently communicate the City's perspective, if any, to the Vallejo Flood and Wastewater District and other relevant stakeholders. This approach also supports transparent governance and ensures that any City response reflects the Council's collective policy intent.

### **BACKGROUND AND DISCUSSION**

The City of Vallejo has received proposed legislative language from the Vallejo Flood and Wastewater District (VFWD) for review and consideration. The proposed language would amend the governance structure of the VFWD Board of Trustees, including changes to the composition and appointment of trustees representing the City of Vallejo, Solano County, and at-large members.

Under the proposal, the VFWD Board would be restructured to include two trustees and an alternate appointed from among members of the Vallejo City Council, one trustee and an alternate appointed from the Solano County Board of Supervisors, and two at-large trustees appointed by the remaining members of the VFWD Board. The proposal also includes residency and eligibility requirements for certain appointed positions within the District boundaries.

The purpose of this item is to provide the City Council with an opportunity to review the proposed legislative language and provide clear direction to staff regarding the City's position. Council consideration of this item is

**Subject: ADOPT A RESOLUTION PROVIDING DIRECTION TO STAFF AFTER CONSIDERING  
THE PROPOSED AMENDMENTS TO THE VALLEJO FLOOD AND WASTEWATER  
DISTRICT GOVERNANCE STRUCTURE**

**Page 2**

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intended to inform whether the City should communicate a formal response to the Vallejo Flood and Wastewater District and/or other relevant stakeholders.

For purposes of discussion and direction, the City Council may consider one of the following options:

1. Support the proposed legislative language as presented, with no changes.
2. Support the proposed legislative language with recommended amendments or modifications, and direct staff to transmit those amendments or comments on behalf of the City.
3. Do not support the proposed legislative language.
4. Take no formal position and provide comments or observations for informational purposes only.

No binding action is being taken on the proposed legislative language at this time. This item is intended solely to obtain City Council direction. Staff will transmit Council's direction, if any, to the Vallejo Flood and Wastewater District and/or other relevant stakeholders as appropriate.

**FISCAL IMPACT**

There is no fiscal impact associated with the recommended action. This item provides City Council with the opportunity to review proposed legislative language and provide direction to staff. Any future costs, if applicable, would be dependent on subsequent policy direction or actions taken by the City Council.

**ENVIRONMENTAL REVIEW**

The proposed action does not constitute a "project" under the California Environmental Quality Act (CEQA), as defined in Section 15378 of the CEQA Guidelines, because it involves only the provision of direction to staff and does not result in a direct physical change to the environment. Therefore, no environmental review is required.

**ATTACHMENTS**

|    |                                                           |
|----|-----------------------------------------------------------|
| 1. | VFWD_GOVERNANCE_DIRECTION_RESOLUTION_MAY12_2026 CAO Stamp |
|----|-----------------------------------------------------------|

**CONTACT**

Sidney Wilson, Administrative Analyst (707) 648-4576  
[Sidney.Wilson@cityofvallejo.net](mailto:Sidney.Wilson@cityofvallejo.net)



Approved as to form:

By:  for \_\_\_\_\_  
Veronica Nebb, City Attorney

**RESOLUTION NO. 22-\_\_\_\_\_**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF VALLEJO PROVIDING DIRECTION  
ON PROPOSED LEGISLATIVE LANGUAGE RELATED TO THE VALLEJO FLOOD AND  
WASTEWATER DISTRICT GOVERNANCE STRUCTURE**

**WHEREAS**, the City of Vallejo has received proposed legislative language from the Vallejo Flood and Wastewater District (VFWD) for review and consideration; and

**WHEREAS**, the proposed legislative language would amend the governance structure of the VFWD Board of Trustees, including modifications to the composition and appointment of trustees representing the City of Vallejo, Solano County, and at-large members; and

**WHEREAS**, the City Council desires to review the proposed legislative language and provide direction to staff regarding the City's position for purposes of communication with the VFWD and other relevant stakeholders;

**NOW, THEREFORE, BE IT RESOLVED**, that City staff is directed as follows:

- ( ) 1. The City supports the proposed legislative language as presented, with no changes.
- ( ) 2. The City supports the proposed legislative language with recommended amendments or modifications and directs staff to transmit such amendments or comments to the Vallejo Flood and Wastewater District.
- ( ) 3. The City does not support the proposed legislative language.
- ( ) 4. The City takes no formal position and provides comments or observations for informational purposes only.

**BE IT FURTHER RESOLVED**, that City staff is authorized to transmit the City Council's selected direction, if any, to the Vallejo Flood and Wastewater District and/or other relevant stakeholders as appropriate.

**BE IT FURTHER RESOLVED**, that the City Clerk is hereby directed to certify the adoption of this resolution.

**[SIGNATURES ON THE FOLLOWING PAGE]**

**ADOPTED BY THE CITY COUNCIL OF THE CITY OF VALLEJO** at a regular meeting held on  
May 12, 2026, with the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST

---

Andrea Sorce, MAYOR

---

DAWN G. ABRAHAMSON, CITY CLERK