



WEST VALLEY WATER DISTRICT  
855 W. BASE LINE ROAD, RIALTO, CA 92376  
PH: (909) 875-1804 FAX: (909) 875-1849

REGULAR BOARD MEETING  
AGENDA

THURSDAY, OCTOBER 6, 2022  
CLOSED SESSION - 6:00 PM • OPEN SESSION – 6:30 PM

BOARD OF DIRECTORS

Channing Hawkins, President  
Greg Young, Vice President  
Angela Garcia, Director  
Dan Jenkins, Director  
Kelvin Moore, Director

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"In order to comply with legal requirements for posting of agendas, only those items filed with the District Secretary's office by noon, on Wednesday a week prior to the following Thursday meeting, not requiring departmental investigation, will be considered by the Board of Directors."

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On March 4, 2020, Governor Newsom declared a State of Emergency resulting from the threat of COVID-19. On September 16, 2021, Governor Newsom signed Assembly Bill No. 361 into law. Assembly Bill No. 361 amends Government Code section 54953(e) by adding provisions for remote teleconferencing participation in meetings by members of a legislative body, without the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions. The West Valley Water District adopted a resolution determining, by majority vote, that, as a result of the declared State of Emergency, the District is adopting the State protocol which allows meetings in person and/or via teleconference. Accordingly, it has been determined that all Board and Workshop meetings of the West Valley Water District will be held pursuant to Assembly Bill No. 361, the Brown Act and will be conducted via teleconference and in person. Members of the public may listen and provide public comment via telephone by calling the following number and access code: Dial: (888) 475-4499, Access Code: 840-293-7790 or you may join the meeting using Zoom by clicking this link: <https://us02web.zoom.us/j/8402937790>. Public comment may also be submitted via email to [administration@wvwd.org](mailto:administration@wvwd.org). If you require additional assistance, please contact [administration@wvwd.org](mailto:administration@wvwd.org).

## CALL TO ORDER

## OPENING CEREMONIES

Pledge of Allegiance  
Opening Prayer  
Call to Order  
Roll Call of Board Members

## ADOPT AGENDA

## PUBLIC PARTICIPATION

*Any person wishing to speak to the Board of Directors on matters listed or not listed on the agenda, within its jurisdiction, is asked to complete a Speaker Card and submit it to the Acting Board Secretary, if you are attending in person. For anyone joining on Zoom, please wait for the Board President's instruction to indicate that you would like to speak. Each speaker is limited to three (3) minutes. Under the State of California Brown Act, the Board of Directors is prohibited from discussing or taking action on any item not listed on the posted agenda. Comments related to noticed Public Hearing(s) and Business Matters will be heard during the occurrence of the item.*

***Public communication is the time for anyone to address the Board on any agenda item or anything under the jurisdiction of the District. Also, please remember that no disruptions from the crowd will be tolerated. If someone disrupts the meeting, they will be removed.***

## PUBLIC HEARING

- Now is the time and place as specified in the Notice dated September 22, 2022, in the San Bernardino County Sun, to hold the Public meeting concerning the adoption of Resolution No. 2022-26, Adopting a Mitigated Negative Declaration on District Project Known as the 18-inch Transmission Main Installation Project.

## PRESENTATIONS

- Waters Professionals Week 2022 and Customer Service Week

## CONSENT CALENDAR

*All matters listed under the Consent Calendar are considered routine and will be enacted by one vote. There will be no separate discussion of these items unless a member of the Board of Directors, Staff Member, or any member of the public request a specific item(s) be removed for separate action.*

### Consideration of:

1. September 1, 2022 - Board of Director Minutes. **Pg. 8.**
2. September 15, 2022 - Board of Director Minutes. **Pg. 14.**
3. Consider Reimbursement for Mango Ave. Main Line Extension. **Pg. 19.**

4. Consider Approving a Project to Implement an Advanced Metering Infrastructure System. **Pg. 40.**
5. Laboratory Selection for the Fifth Unregulated Contaminant Monitoring Rule (UCMR 5). **Pg. 55.**
6. Request for a 5-Yard Dump Truck. **Pg. 86.**
7. Agreement with Rite-Way Roof Corporation for Reservoir 2-1 Roof Replacement and Asbestos Abatement and Disposal. **Pg. 93.**
8. Variable Frequency Drive (VFD) for the South Well at East Complex. **Pg. 110.**
9. Preventive Maintenance Contract with Suez for the Total Organic Carbon Online Analyzer at the Fluidized Bed Biological Reactor Water Treatment Plant (FBR). **Pg. 114.**
10. Preventive Maintenance Contract with Trojan Technologies for the Ultraviolet Disinfection System at the Oliver P. Roemer Water Filtration Plant. **Pg. 126.**
11. Preventive Maintenance Contract with Hach Company for the Total Organic Carbon and Alkalinity Analyzers at the Oliver P. Roemer Water Filtration Plant. **Pg. 141.**
12. Upgrade Alarm Panels to 5G Dial-Out Capability. **Pg. 151.**
13. WELL Untapped Fellowship Program. **Pg. 155.**
14. Rejection of Claim No.-22-0788 - Marty Aguilar vs. West Valley Water District. **Pg. 159.**
15. Transfer Funds Request from General Checking to WVWD Investment Account. **Pg. 163.**
16. Treasurer's Report - August 2022. **Pg. 165.**
17. August 2022 - Purchase Order Report. **Pg. 181.**
18. Cash Disbursements Report - August 2022. **Pg. 186.**
19. Monthly Revenue & Expenditures Report - August 2022. **Pg. 210.**
20. A Resolution of The Board of Directors Of The West Valley Water District Proclaiming A Local Emergency, Ratifying The Proclamation Of A State Of Emergency By Governor Gavin Newsom On March 4, 2020, And Authorizing Remote Teleconference Meetings Of The Legislative Bodies Of West Valley Water District For The Period October 14, 2022, Through November 14, 2022, Pursuant To Brown Act Provisions. **Pg. 216.**

21. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in June 2022, Invoice No. 222541 for \$3,501.00. **Pg. 218.**
22. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in June 2022, Invoice No. 222542 for \$1,658.50. **Pg. 219.**
23. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in May 2022, Invoice No. 220804 for \$314.00. **Pg. 220.**
24. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in May 2022, Invoice No. 220809 for \$78.00. **Pg. 221.**
25. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in July 2022, Invoice No. 224189 for \$57.00. **Pg. 222.**
26. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in July 2022, Invoice No. 224191 for \$924.50. **Pg. 223.**
27. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in July 2022, Invoice No. 224198 for \$4,800.50. **Pg. 224.**
28. Approval of Payment to Liebert Cassidy Whitmore for Professional Services, in July 2022, Invoice No. 224199 for \$2,105.50. **Pg. 225.**
29. Approval of Payment to Hunt Ortmann, Palffy, Nieves, Darling & Mah, Inc. for Professional Services, in August 2022, Invoice No. 95531 for \$2,044.00. **Pg. 226.**
30. Approval of Payment to Albright, Yee & Schmit for Professional Services, in August 2022, Invoice No. 27656 for \$5,776.50. **Pg. 227.**
31. Approval of Payment to Albright, Yee & Schmit for Professional Services, in September 2022, Invoice No. 27657 for \$3,587.50. **Pg. 229.**
32. Approval of Payment to Carpenter, Rothans & Dumont LLP for Professional Service, in August 2022, Invoice No. 41971 for \$5,420.00. **Pg. 231.**

## **BUSINESS MATTERS**

### **Consideration of:**

33. Strategic Planning Retreat Update.
34. Governance: Board of Directors Policies and Procedures. **Pg. 232.**

35. Adopt Resolution No. 2022-26, Adopting a Mitigated Negative Declaration on District Project Known as the 18-inch Transmission Main Installation Project. **Pg. 253.**

**REPORTS - LIMITED TO 5 MINUTES MAXIMUM (Presentations or handouts must be provided to Board Members in advance of the Board Meeting).**

1. **Board of Directors**
2. **General Manager**
3. **General Counsel**

**UPCOMING MEETINGS**

- October 10, 2022 - Human Resources Committee Meeting at 6:00 p.m.
- October 11, 2022 - Safety Technology Committee Meeting at 6:00 p.m.
- October 12, 2022 - Engineering, Technology & Operation Committee Meeting at 6:00 p.m.

**UPCOMING COMMUNITY EVENTS**

- Saturday, October 8th, 2022, Let's Move on the Trail - Fontana City Hall, (WVWD will have a Booth)
- Wednesday, October 12, 2022, Breakfast with Rialto Chamber at Sammy's Café, 298 W. Base Line Rd. Rialto, CA 92376
- Wednesday, October 12, 2022, Annual Installation Luncheon at Pinnacle Peak Steakhouse, 2533 S. La Cadena Dr., Colton CA 92324
- Thursday, October 13, 2022, Fontana Chamber Monthly Membership Luncheon - Speaker and location TBD
- Saturday, October 22, 2022, Three Valleys MWD Irrigation, October 2022 Leadership Breakfast at Mountain Meadows Golf Course
- Saturday, October 22, 2022, Irrigation and Water Capture at West Valley Water District Workshop

**UPCOMING EDUCATION & TRAINING OPPORTUNITIES**

- November 29 - December 1, 2022 - Association of California Water Agencies 2022 Fall Conference (Indian Wells, CA)

## **CLOSED SESSION**

- CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - Significant Exposure to Litigation Pursuant to Paragraph (2) of Subdivision (D) of Section 54956.9(B): Number of Cases: Two (2).
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Pursuant to Paragraph One (1) of Subdivision (d) of the Government Code Section 54956.9 Case Name: Diana Gunn. vs. West Valley Water District, Case No. CIVSB2117195.
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Pursuant to Paragraph one (1) of Subdivision (d) of the Government Code Section 54956.9 Case Name: Patricia Romero vs. West Valley Water District, Case No. CIVDS2024402.
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Pursuant to Paragraph One (1) of Subdivision (d) of the Government Code Section 54956.9 Case Name: Nadia Loukeh vs West Valley Water District, Case No. CIVSB2116242.
- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - Pursuant to Government Code Section 54957, Title(s) Chief Financial Officer.
- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - Pursuant to Government Code Section 54957, Title(s) Board Secretary.

## **ADJOURN**

### **DECLARATION OF POSTING:**

**I declare under penalty of perjury, that I am employed by the West Valley Water District and posted the foregoing Agenda at the District Offices on October 3, 2022.**



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**Nancy Albitre, Acting Board Secretary**

**Please Note:**

**Material related to an item on this Agenda submitted to the Board after distribution of the agenda packet are available for public inspection in the District's office located at 855 W. Baseline, Rialto, during normal business hours. Also, such documents are available on the District's website at [www.wvwd.org](http://www.wvwd.org) subject to staff's ability to post the documents before the meeting.**

**Pursuant to Government Code Section 54954.2(a), any request for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in the above-agendized public meeting should be directed to the Acting Board Secretary, Nancy Albitre, at least 72 hours in advance of the meeting to ensure availability of the requested service or accommodation. Ms. Albitre may be contacted by telephone at (909) 875-1804 ext. 346, or in writing at the West Valley Water District, P.O. Box 920, Rialto, CA 92377-0920.**

**MINUTES**  
**REGULAR BOARD MEETING**  
of the  
**WEST VALLEY WATER DISTRICT**  
September 1, 2022

Board of Directors	Present	Excused	Absent
Channing Hawkins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gregory Young	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dan Jenkins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Angela Garcia	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kelvin Moore	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff			
Van Jew	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Haydee Sainz	<input checked="" type="checkbox"/> Remote	<input type="checkbox"/>	<input type="checkbox"/>
Nancy M. Albitre	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linda Jadeski	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jon Stephenson	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Joanne Chan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Albert Clinger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jose Velasquez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Socorro Pantaleon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Legal Counsel			
Robert Tafoya	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Francisco Leal	<input checked="" type="checkbox"/> Remote	<input type="checkbox"/>	<input type="checkbox"/>

**OPENING CEREMONIES**

- Pledge of Allegiance – Director Dan Jenkins
- Opening Prayer – Christian Letuli, Grace Church
- Call to Order
- Roll Call of Board Members

**ADOPT AGENDA**

Vice President Gregory Young motioned to adopt the agenda and Director Dan Jenkins seconded the motion. The following vote was taken:



<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Greg Young, Director
<b>SECONDER:</b>	Dan Jenkins, Director
<b>AYES:</b>	Kelvin Moore, Angela Garcia, Dan Jenkins, Gregory Young, Channing Hawkins
<b>NOES:</b>	None
<b>EXCUSED:</b>	None

**PUBLIC PARTICIPATION**

There were no public comments.

**CONSENT CALENDAR**

Vice President Gregory Young motioned to adopt the consent calendar and Director Kelvin Moore seconded the motion. The following vote was taken:

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Gregory Young, Director
<b>SECONDER:</b>	Kelvin Moore, Director
<b>AYES:</b>	Kevin Moore, Angela Garcia, Dan Jenkins, Gregory Young, Channing Hawkins
<b>NOES:</b>	None
<b>EXCUSED:</b>	None

1. August 4, 2022 - Minutes.
2. August 18, 2022 - Minutes.
3. Approval of Payment to Tyler Technologies, for Annual Maintenance and Support Fees, Invoice 025-391033; \$41,943.33.
4. Approval of a Three (3) Year Pricing Quote for Office 365 Licensing from CDW-G.
5. Consider the Replacement of the Electrified Locking Hardware for Five (5) Doors at the FBR.
6. July 2022 - Purchase Order Report.
7. Treasurer's Report - July 2022.
8. Cash Disbursements Report - July 2022.
9. Monthly Revenue & Expenditures Report - July 2022.
10. Funds Transfer - July 2022.
11. Transfer of Unclaimed Funds into District General Fund.

12. Bond Counsel for the Oliver P. Roemer Water Filtration Facility Upgrades and Expansion Project.
13. Request for Fleet purchase with revised cost.
14. Community Sponsorship Form.
15. Social Media Policy.
16. Geotechnical Services for the Cactus Avenue Pipeline Project.
17. Professional Services for the Lord Ranch Facilities Project.
18. Blanket Purchase Order for Cold Mix Temporary Asphalt for Backfilling.
19. Reallocation of Task Budget and Activation of Contingency Funds for Carollo Engineers, Inc.
20. Nearmap License Renewal and Digital Elevation Model Agreement for our Geographic Information System.
21. Potential Annexation Into San Bernardino Valley Municipal Water District's Service Area.
22. Approval of Payment to Varner & Brandt, for Professional Services rendered on July 31, 2022, Account No. 23767-0000 July 31, 2022 Invoice \$147.20.
23. Approval of Payment to Leal - Trejo for Professional Services rendered in June 2022, Invoice No. 18931, 18933, 18934, 18930; totaling \$14,511.35.
24. Staffing Plan Amendment: Public Affairs Intern.
25. Sale of 24-inch Pipeline to the San Gabriel Valley Water Company.
26. Adopt Resolution No. 2022-23 A Resolution Of The Board Of Directors Of The West Valley Water District Proclaiming A Local Emergency, Ratifying The Proclamation Of A State Of Emergency By Governor Gavin Newsom On March 4, 2020, And Authorizing Remote Teleconference Meetings Of The Legislative Bodies Of West Valley Water District For The Period September 14, 2022, Through October 14, 2022, Pursuant To Brown Act Provisions.

## **BUSINESS MATTERS**

### **1. Financial Impact of Emergency Resolution to Waive Late Fees & suspend turn-offs for non-payment.**

President Hawkins requested an update and Van Jew, Acting General Manager introduced Jose Velasquez to give a brief presentation.

Mr. Jose Velasquez presented a PowerPoint presentation for the Financial Impact of Emergency Resolution to Waive Late Fees & Suspend Turn-offs for Non-payment.

WVWD

Minutes: 9/1/22

Mr. Velasquez notified the Board that the District has not collected revenue for delinquent charges and fees have added up to more than \$500,000 annually. Also, as of June 30, 2022, delinquent account receivables total \$1.3 million with over \$700,000 being delinquent and staff is recommending resuming and the practice of meter turn-offs and applying late fees for non-payment.

Vice President Gregory Young motioned to approve resuming the meter turn-offs and applying late fees for non-payment or late payment and Director Dan Jenkins seconded the motion. The following vote was taken:

<b>RESULT:</b>	<b>APPROVED [UNANIMOUS]</b>
<b>MOVER:</b>	Gregory Young, Director
<b>SECONDER:</b>	Dan Jenkins, Director
<b>AYES:</b>	Dan Jenkins, Angela Garcia, Kevin Moore, Gregory Young, Channing Hawkins
<b>NOES:</b>	None
<b>EXCUSED:</b>	None

**2. Server and Software Upgrade for Supervisory Control and Data Acquisition (SCADA) System.**

Director Kelvin Moore motioned to approve staff's recommendation to retain Tesco Controls, Inc. in the amount of \$182,740.00 to perform the SCADA upgrade and update the server and software for the SCADA system and Director Angela Garcia seconded the motion. The following vote was taken:

<b>RESULT:</b>	<b>APPROVED [UNANIMOUS]</b>
<b>MOVER:</b>	Kelvin Moore, Director
<b>SECONDER:</b>	Angela Garcia, Director
<b>AYES:</b>	Dan Jenkins, Angela Garcia, Kelvin Moore, Gregory Young, Channing Hawkins
<b>NOES:</b>	None
<b>EXCUSED:</b>	None

**3. Governance: Bylaws & Board of Directors Handbook.**

After a brief discussion the Board of Directors directed staff to continue this item to the next Board meeting and no vote was taken.

**REPORTS – LIMITED TO 5 MINUTES MAXIMUM** (Presentations or handouts must be provided to Board Members in advance of the Board Meeting).

1. Board Members

Director Angela Garcia stated the External Affairs Committee sent out Landscape postcards for September 17, 2022 event, at the West Valley Water District and will have additional community events that have been listed on the website.

President Channing Hawkins and Vice President Greg Young spoke on the passing of former President and Director Dr. Clifford Young and would like to adjourn the meeting in his honor.

## 2. General Manager

1. Mr. Van Jew, Acting General Manager notified the Board that Well 33 is being monitored due to perchlorate spike and will inform the Board of any changes.
2. Mr. Jew informed the Board that staff submitted a grant for Proposition 1 and was selected and recommended to be awarded \$315,000 for the Bloomington area. Notification of final grant approval will be in April 2023.

## 3. Legal Counsel

Legal Counsel, reported out of Closed Session stating that multiple items were considered; however, no reportable actions were taken.

### **CLOSED SESSION**

- CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - SIGNIFICANT EXPOSURE TO LITIGATION PURSUANT TO PARAGRAPH (2) OF SUBDIVISION (D) OF SECTION 54956.9(B): NUMBER OF CASES: TWO (3).
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - PURSUANT TO PARAGRAPH ONE (1) OF SUBDIVISION (D) OF THE GOVERNMENT CODE SECTION 54956.9 CASE NAME: DIANA GUNN. VS. WEST VALLEY WATER DISTRICT, CASE NO. CIVSB2117195.
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - PURSUANT TO PARAGRAPH ONE (1) OF SUBDIVISION (D) OF THE GOVERNMENT CODE SECTION 54956.9 CASE NAME: PATRICIA ROMERO VS. WEST VALLEY WATER DISTRICT, CASE NO. CIVDS2024402.
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - PURSUANT TO PARAGRAPH ONE (1) OF SUBDIVISION (D) OF THE GOVERNMENT CODE SECTION 54956.9 CASE NAME: NAISHA DAVIS VS. WEST VALLEY WATER DISTRICT ET AL. CASE NO. 20STCV0323.
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - PURSUANT TO PARAGRAPH ONE (1) OF SUBDIVISION (D) OF THE GOVERNMENT CODE SECTION 54956.9 CASE NAME: NADIA LOUKEH. VS WEST VALLEY WATER DISTRICT, CASE NO. CIVSB2116242.
- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - PURSUANT TO GOVERNMENT CODE SECTION 54957, TITLE(S) CHIEF FINANCIAL OFFICER.

WVWD

Minutes: 9/1/22

- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - PURSUANT TO GOVERNMENT CODE SECTION 54957, TITLE(S) BOARD SECRETARY.

**ADJOURN**

There being no further business, the meeting adjourned at 7:28 p.m.

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**Channing Hawkins**  
**President of the Board of Directors**  
**of West Valley Water District**

**ATTEST:**

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**Nancy M. Albitre**  
**Acting Board Secretary**

**MINUTES**  
**REGULAR BOARD MEETING**  
of the  
**WEST VALLEY WATER DISTRICT**  
September 15, 2022

Board of Directors	Present	Excused	Absent
Channing Hawkins	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gregory Young	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dan Jenkins	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Angela Garcia	<input checked="" type="checkbox"/> _remote	<input type="checkbox"/>	<input type="checkbox"/>
Kelvin Moore	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff			
Van Jew	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Haydee Sainz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nancy M. Albitre	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Linda Jadeski	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jon Stephenson	<input checked="" type="checkbox"/> _remote	<input type="checkbox"/>	<input type="checkbox"/>
Joanne Chan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Albert Clinger	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jose Velasquez	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Socorro Pantaleon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Legal Counsel			
Robert Tafoya	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**OPENING CEREMONIES**

- Pledge of Allegiance – Director Kelvin Moore
- Opening Prayer – Christian Letuli, Grace Church
- Call to Order
- Roll Call of Board Members

**ADOPT AGENDA**

Vice President Young noted a correction to the agenda packet and indicated that the packet included the Board Handbook, but not the Board Policies and Procedures manual. He also noted that the item would be removed and brought back to the next Board meeting. Director Dan Jenkins motioned to adopt agenda as amended moving the Board of Director Policy and Procedures to the next meeting and Director Kelvin Moore seconded the motion. The following vote was taken:

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Dan Jenkins, Director
<b>SECONDER:</b>	Kelvin Moore, Director
<b>AYES:</b>	Dan Jenkins, Angela Garcia, Kevin Moore, Gregory Young
<b>NOES:</b>	None
<b>EXCUSED:</b>	Channing Hawkins

**PUBLIC PARTICIPATION**

There were no public comments.

**PRESENTATIONS**

None.

**CONSENT CALENDAR**

Director Kelvin Moore motioned to adopt the consent calendar and Director Dan Jenkins seconded the motion. The following vote was taken:

<b>RESULT:</b>	<b>ADOPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Kelvin Moore, Director
<b>SECONDER:</b>	Dan Jenkins, Director
<b>AYES:</b>	Kelvin Moore, Angela Garcia, Dan Jenkins, Gregory Young
<b>NOES:</b>	None
<b>EXCUSED:</b>	Channing Hawkins

1. Minutes - July 7, 2022.
2. Minutes - July 21, 2022.
3. IE Works Contract Renewal 2022/23.
4. New Job Descriptions Facilities Maintenance Technician and Governmental & Legislative Affairs Manager.
5. Customer Service Week.
6. Water Professionals Week 2022.
7. Approval of Payment to Hunt Ortman Palfy Nieves Darling & MAH, Inc. for Professional Services rendered, in June 2022, Invoice No. 94129; \$11,315.00.

- 8. Approval of Payment to Hunt Ortmann Palffy Nieves Darling & MAH, Inc. for Professional Services rendered, in July 2022, Invoice No. 94673 \$5,548.00.

**BUSINESS MATTERS**

- 1. Selection of Consulting Firm for Executive Recruitment Services - General Manager.

Mr. Van Jew, Acting General Manager, introduced Haydee Sainz, Human Resources and Risk Manager to give a brief presentation.

Ms. Haydee Sainz presented a PowerPoint presentation for the Selection of Consulting Firms for Executive Recruitment Services in Hiring - General Manager. Ms. Sainz informed the Board, the District received four proposals and staff evaluated the proposals. Staff recommends that the Board of Directors authorize entering into a professional services agreement with Koff & Associates recruitment firm.

Director Angela Garcia motioned to approve the selection of consulting firm for executive recruitment services and Director Dan Jenkins seconded the motion. The following vote was taken:

<b>RESULT:</b>	<b>APPROVED [UNANIMOUS]</b>
<b>MOVER:</b>	Angela Garcia, Director
<b>SECONDER:</b>	Dan Jenkins, Director
<b>AYES:</b>	Kelvin Moore, Angela Garcia, Dan Jenkins, Gregory Young
<b>NOES:</b>	None
<b>EXCUSED:</b>	Channing Hawkins

**REPORTS - LIMITED TO 5 MINUTES MAXIMUM** (Presentations or handouts must be provided to Board Members in advance of the Board Meeting).

- 1. Board Members
  - No reports from the Board members.
- 2. General Manager
  - 1. Mr. Van Jew, Acting General Manager informed the Board of Directors that the Association of California Water Agencies will have its next 2022 Fall Conference on November 29 - December 1, 2022 in Indian Wells, CA.
  - 2. Mr. Jew presented a map to update the Board on the customers that have fallen behind in their accounts.
  - 3. Mr. Jew notified the Board that California Natural Water Agency Secretary, Mr. Wade Crowfoot would be coming to the Region on Monday, September 19, 2022. He will be hosting a Roundtable and Press Conference to promote wise water stewardship. The District has been invited to participate in the roundtable.

WVWD  
Minutes: 9/15/22



4. Mr. Jew stated that the District was notified by the Government Finance Officers Association that the District is a recipient the Certificate of Achievement for Excellence in Financial Reporting for Fiscal Year 2021-22.

### 3. Legal Counsel

- Mr. Robert Tafoya, Legal Counsel reported the case of Naisha Davis, West Valley Water District, case number 20STCB0323 an employment case, was settled for \$375,000 and no additional actions were taken.

### **CLOSED SESSION**

- CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION - Significant Exposure To Litigation Pursuant To Paragraph (2) Of Subdivision (d) Of Section 54956.9(b): Number Of Cases: Four (4).
- CONFERENCE WITH LABOR NEGOTIATOR (54957.6) DISTRICT NEGOTIATORS; Van Jew, Haydee Sainz, Robert Tafoya, Union Negotiators; Re: International Union Of Operating Engineers, Local 12.
- CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - Pursuant to Paragraph One (1) of Subdivision (D) of the Government Code Section 54956.9 Case Name: Patricia Romero V. West Valley Water District, Case No. Civds2024402.
- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - Pursuant to Government Code Section 54957, Title(S) General Manager.
- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - Pursuant to Government Code Section 54957, Title(S) Chief Financial Officer.
- CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE APPOINTMENT - Pursuant To Government Code Section 54957, Title(S) Board Secretary.

### **ADJOURN**

There being no further business, the meeting adjourned at 6:51 p.m.

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**Channing Hawkins**  
**President of the Board of Directors**  
**of West Valley Water District**

**ATTEST:**

---

**Nancy M. Albitre**  
**Acting Board Secretary**



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** CONSIDER REIMBURSEMENT FOR MANGO AVE. MAIN LINE  
EXTENSION

---

**DISCUSSION:**

On January 21, 2021, the Board of Directors authorized West Valley Water District (“District”) to enter into a Settlement Agreement with 1836 Sierra Lake Partners, LLC (“Developer”) to extend a 12-inch water main approximately 400 feet from the intersection of Sierra Lakes Parkway and Mango Avenue, to the northern most property line to construct the water facilities needed to supply water to the Development. The District agreed to reimburse the Developer fifty percent (50%) of the costs of the water line extension with an estimated District cost of \$70,000.00.

On July 14, 2022, all work was completed, and the actual District cost of the water line extension is \$77,258.08. Attached as Exhibit A are the supporting invoice documents.

**FISCAL IMPACT:**

This project was included in the Fiscal Year 2022/23 Capital Improvement Budget under the W22025 Mango Ave. Water Line Extension project and sufficient funds are available to cover the cost of the water line extension of \$77,258.08.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to authorize reimbursement of the actual cost of \$77,258.08 to the Developer and authorize the Acting General Manager to execute the necessary documents.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

BP:ls

**ATTACHMENT(S):**

1. Exhibit A - Invoices

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A

Merlin Johnson - Off-Site Water for Mango Ave - Per Proposal dated June 29, 2021 & Material Increase 9/1/2021							Approved Invoices		
Bid #	Reimbursement Items	Unit	Qty	Cost	Total	Price increase			
1	12" DIP	LF	344	\$ 176.00	\$ 60,544.00	\$ 869.00			
4	4" Dead End Flush Out	EA	1	\$ 4,685.00	\$ 4,685.00	\$ 53.00			
5	Pipe Bedding/Backfill/Temp Asphalt	LF	344	\$ 26.25	\$ 9,030.00				
6	12" DIP Connection at Mango Ave	EA	1	\$ 6,940.00	\$ 6,940.00	\$ 71.00			
7	12" Butterfly Valve	EA	1	\$ 4,308.00	\$ 4,308.00	\$ 68.00			
9	Warranty Bond	EA	1	\$ 3,262.00	\$ 3,262.00	\$ 40.00			
	Total				\$ 88,769.00	\$ 1,101.00	See pg 13	Merlin Johnson \$ 89,870.00 pg 10	
	<b>Grand Total</b>				<b>\$ 89,870.00</b>		See pg 4	<b>Grand Total \$ 89,870.00</b>	
	<b>District Cost (50% of Total)</b>				<b>\$ 44,935.00</b>			<b>District Cost (50% of Total) \$ 44,935.00</b>	
Beach Paving, Inc - Paving and Asphalt Work - Per Proposal dated July 15, 2021									
Bid #	Reimbursement Items	Unit	Qty	Cost	Total				
1	Paving and Asphalt	LS	1	\$ 19,350.00	\$ 19,350.00			Caliber Paving \$ 16,530.00 pg. 4	
2	Striping	LS	1	\$ 2,857.00	\$ 2,857.00			Caliber Paving \$ 2,857.00 pg 4	
3	Traffic Control	LS	1	\$ 3,000.00	\$ 3,000.00			Testa \$ 3,000.00 pg. 2	
	<b>Grand Total</b>				<b>\$ 25,207.00</b>		Rev cost-see pg 7	<b>Grand Total \$ 22,387.00</b>	
	<b>District Cost (50% of Total)</b>				<b>\$ 12,603.50</b>			<b>District Cost (50% of Total) \$ 11,193.50</b>	
Case Land Surveying, Inc - Survey - Per Proposal dated May 10, 2021									
Bid #	Reimbursement Items	Unit	Qty	Cost	Total				
1	Survey	LS	1	\$ 2,360.00	\$ 2,360.00			Case Land Surveying \$ 2,360.00 pg 8	
	<b>Grand Total</b>				<b>\$ 2,360.00</b>		See pg 8	<b>Grand Total \$ 2,360.00</b>	
	<b>District Cost (50% of Total)</b>				<b>\$ 1,180.00</b>			<b>District Cost (50% of Total) \$ 1,180.00</b>	
Testa Construction, Inc - Construction Management - Per Proposal dated August 2, 2021									
Bid #	Reimbursement Items	Unit	Qty	Cost	Total				
1	General Conditions - Supervision	LS	1	\$ 9,000.00	\$ 9,000.00			CM PM	
2	Project Management and Contract Admin	LS	1	\$ 1,000.00	\$ 1,000.00				
	Total				\$ 10,000.00				
	Insurance (1.5% of total)				\$ 150.00				
	Overhead and Profit (10% of total)				\$ 1,000.00				
	<b>Grand Total</b>				<b>\$ 11,150.00</b>				<b>Grand Total \$ 11,150.00</b> pg 2
	<b>District Cost (50% of Total)</b>				<b>\$ 5,575.00</b>			<b>District Cost (50% of Total) \$ 5,575.00</b>	
KPFF, Inc - Design/Engineering - Per Proposal dated July 27, 2020									
Bid #	Reimbursement Items	Unit	Qty	Cost	Total				
1	Design Services of 12" Water Main	LS	1	\$ 25,000.00	\$ 25,000.00			See pg 11	
	<b>Grand Total</b>				<b>\$ 25,000.00</b>				
	<b>District Cost (50% of Total)</b>				<b>\$ 12,500.00</b>				
								KPFF \$ 25,000.00 pg 13	
								<b>Grand Total \$ 25,000.00</b>	
								<b>District Cost (50% of Total) \$ 12,500.00</b>	
Inspection, Permit and Letter of Credit									
Bid #	Reimbursement Items	Unit	Qty	Cost	Total				
1	Inspection - 14 days	EA	56	\$ 67.11	\$ 3,758.16		See pg 12	22 hours \$ 1,476.42 pg 15	
2	City of Fontana Encroachment Permit	LS	1	\$ 342.91	\$ 342.91		See pg 26		\$ 342.91 pg 15
3	Letter of Credit	LS	1	\$ 1,929.83	\$ 1,929.83		1.25% of \$ 154,386.07		\$ 1,929.83 pg 16
	<b>Grand Total</b>				<b>\$ 6,030.90</b>			<b>Grand Total \$ 3,749.16</b>	
	<b>District Cost (50% of Total)</b>				<b>\$ 3,015.45</b>			<b>District Cost (50% of Total) \$ 1,874.58</b>	
Krazan Soil Compaction Report									
Bid #	Reimbursement Item	Unit	Qty	Cost	Total				
1	Soil Compaction Report	LS	1	\$ 5,290.00	\$ 5,290.00		See pg 31	Grand Total \$ 1,689.00 pg 17	
	<b>Grand Total</b>				<b>\$ 5,290.00</b>				
	<b>District Cost (50% of Total)</b>				<b>\$ 2,645.00</b>				
								<b>District Cost (50% of Total) \$ 844.50</b>	
<b>Grand Total</b>					<b>\$ 159,617.90</b>			<b>Grand Total \$ 154,516.16</b>	
<b>District Cost for 50% Reimbursement Items</b>					<b>\$ 79,808.95</b>			<b>District Cost (50% of Total) \$ 77,258.08</b>	


**Testa Construction, Inc. General Contractor**

1900 E. Warner Ave 1-O Santa Ana, CA 92705

Ph: (714) 773-0340 Fax: (714) 773-0341

Eric Silverman  
 1836 Sierra Lake Partners, LLC  
 606 S. Olive St., # 2450  
 Los Angeles, CA 90014

project

Off Site Water Line  
 17064 Sierra Lakes Pkwy  
 Fontana, CA

**22-Apr-22**  
**Invoice 2044**

			prev invoiced	Now Due
General Conditions:				
Supervision	\$	9,000.00	\$ 9,000.00	
Project Management:				
PM Time	\$	750.00	\$ 750.00	
Contract Administration	\$	250.00	\$ 250.00	
Temp Utilities	\$	2,750.00	\$ 2,750.00	
Survey	\$	2,360.00	\$ 2,360.00	
Water Line Installation	\$	91,394.00	\$ 91,394.00	
Water Line Laterals	\$	77,695.00	\$ 77,695.00	
Asphalt/Striping	\$	25,346.00		\$ 25,346.00
Traffic Control for Asphalt	\$	3,000.00		\$ 3,000.00
Subtotal	\$	212,545.00	\$ 184,199.00	\$ 28,346.00
Insurance	2% \$	3,188.18	\$ 2,762.99	\$ 425.19
Subtotal	\$	215,733.18	\$ 186,961.99	\$ 28,771.19
OH&P	10% \$	21,573.32	\$ 18,696.20	\$ 2,877.12
<b>Total</b>	\$	237,306.49	\$ 205,658.18	\$ 31,648.31
C/O #1 (utility sub & survey)	\$	5,070.03	\$ 5,070.03	
C/O #2 add'l paving req by inspectc	\$	16,870.32		\$ 16,870.32
<b>Total Now Due</b>	\$	<b>259,246.84</b>	\$ <b>210,728.21</b>	\$ <b>48,518.63</b>

DISTRICT  
 APPROVED  
 \$11,150  
 FOR TESTA

**UNCONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT**

NOTICE; THIS DOCUMENT WAIVES AND RELEASES LEIN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVINGUP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

Identifying Information

Name of Claimant: 1836 Sierra Lake Partners LLC

Name of Customer: Testa Construction, Inc.

Job Location: 17064 Sierra Lakes Pkwy (Water Main)

Owner: 1836 Sierra Lake Partners LLC


Through Date: May 6, 2022

Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for labor and service provided, and equipment and material delivered to the customer on this job through the Through Date of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has been paid in full.

Exceptions

This document does not affect any of the following:  
Disputed claims for extras in the amount of \$0.00

Claimant's Signature: 

Claimant's Title: Office Manager

Date: May 10, 2022





673 E. Young  
Santa Ana, CA  
92705

Phone (714) 556-0484  
Fax (714) 556-1026

# INVOICE

Date	Invoice #
4/15/22	9554

Bill To
Testa Construction 1900 Warner Ave, Suite 1-O Santa Ana, CA 92705

Ship To		
17064 Sierra Lakes Parkway Fontana, CA		
Terms	Caliber Job Number	Rep
Due on receipt	220144 - 17064 Sierra L...	SRV

Description	Est Amt	Total %	Amount
<b>PATCHBACK MAIN WATER LINE TRENCH:</b> 1. Remove approximately 2" of existing temporary asphalt from 355 linear feet of main water line trench averaging 3'-3" in width and haul to an approved disposal site. 2. Remove an additional 2.5" of fill material and dispose of at an approved dump site. 3. Compact with vibratory roller remaining fill material. 4. Patchback (1) trench totaling approximately 355 linear feet by 3'-3" wide with 4.5" of new hot mix asphalt installed in two lifts. 5. Cold plane 2'-0" wide at each side of trenches to a depth of 2". 6. Apply tack coat and install a continuous cap section of hot mix asphalt over the existing trench and areas of milling 2'-0" each side of trench. 7. Encroachment permits, traffic control plans, and traffic control is excluded. 8. Excludes saw cutting. COST: \$16,530.00	16,530.00	100.00%	16,530.00
<b>ADDITIONAL REQUIREMENTS PER CITY OF FONTANA INSPECTOR:</b> 9. Remove an additional 1" of fill material and dispose of at an approved dump site. 10. Patchback (1) trench totaling approximately 355 linear feet by 3'-3" wide with an additional 1" of new hot mix asphalt (5.5" total thickness) installed in two lifts. 11. Remove and replace 325 square feet of existing asphalt full depth in (3) areas 12. Use two separate mix designs. Fill trench to 3.5" using B-PG 64-10, cap with 2" of C2-PG 64-10. 13. Cold plane an additional 5,335 square feet of existing street to a depth of 2". 14. Apply tack coat and install a continuous cap section of hot mix asphalt over the existing trench and areas of milling to the centerline of street. COST: \$8,540.00	8,540.00	100.00%	8,540.00
<b>STRIPING:</b> 1. Restripe yellow centerline striping with thermoplastic. COST: \$3,120.00	3,120.00	100.00%	3,120.00
<b>Total</b>			<b>\$2,857 PER</b>
<b>Payments/Credits</b>			<b>BEACH PAVING</b>
<b>Balance Due</b>			<b>APPROVED PROPOSAL</b>



673 E. Young  
Santa Ana, CA  
92705

Phone (714) 556-0484  
Fax (714) 556-1026

# INVOICE

Date	Invoice #
4/15/22	9554

Bill To
Testa Construction 1900 Warner Ave, Suite 1-O Santa Ana, CA 92705

Ship To		
17064 Sierra Lakes Parkway Fontana, CA		
Terms	Caliber Job Number	Rep
Due on receipt	220144 - 17064 Sierra L...	SRV

Description	Est Amt	Total %	Amount
<p><del>OPTION: 1. Perform the same scope of work as described above to the lateral trenches that tie into the main trench. The lateral trenches total approximately 70 linear feet. Assumes all work will be performed at the same time with no additional moves. Includes restriping white line of the right turn lane with Thermoplastic and a 2" grind &amp; resurface 10'-0" each side of trench per inspector. Please add the below cost to include the lateral trenches. TO CHOOSE THIS OPTION INITIAL _____ COST: \$6,570.00</del></p> <p><b>LATERAL SERVICES ARE NOT REIMBURSABLE</b></p>	6,570.00	100.00%	6,570.00 <i>d/o</i>
<b>Total</b>			\$34,760.00
<b>Payments/Credits</b>			\$0.00
<b>Balance Due</b>			\$34,760.00



ALL AMERICAN ASPHALT  
ALL AMERICAN AGGREGATES  
T 951-736-7600 F 951-736-4671  
P.O. BOX 2229, CORONA, CA 92878-2229  
CONTRACTORS LICENSE #267073 AC12  
DIR #1000001051

**UNCONDITIONAL WAIVER AND RELEASE  
ON FINAL PAYMENT**

CALIFORNIA CIVIL CODE SECTION 8138

NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

**IDENTIFYING INFORMATION**

Name of Claimant: All American Asphalt JCN: 6711935  
Name of Customer: Caliber Paving Job 220143  
Job Location: 17064 Sierra Lakes Parkway, Fontana, CA  
Owner: 1836 Sierra Lakes Partners, LLC

**UNCONDITIONAL WAIVER AND RELEASE**

This document waives and releases lien, stop payment notice and payment bond rights the claimant has for all labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived by this document, unless listed as an exception below.

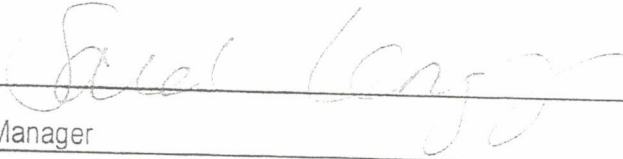
The Claimant has been PAID IN FULL

**EXCEPTIONS**

This document does not affect any of the following:

- (1) Disputed claims for extras in the amount of : \$ 0.00

**SIGNATURE**

Claimant's Signature   
Claimant's Title AR Manager  
Date of Signature 5/12/2022



UNCONDITIONAL WAIVER AND RELEASE  
UPON FINAL PAYMENT  
CALIFORNIA CIVIL CODE SECTION 8138

**NOTICE: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.**

Name of Claimant: Caliber Paving Company, Inc.  
Name of Customer: Testa Construction  
17064 Sierra Lakes Parkway  
Job Location: Fontana, CA  
Owner: Testa Construction

This document waives and releases lien, stop payment notice and payment bond rights the claimant has for all labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or materials delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has been paid in full.

Exceptions:

This document does not affect any of the following:

Disputed claims for extras in the amount of: 0

Claimant's Signature: Rodolfo Hodgson  
Print Name & Title Rodolfo Hodgson, Senior Accountant  
Date: 5/20/22

# Case Land Surveying, Inc.

614 N. Eckhoff Street  
 Orange, CA 92868  
 (714) 628-8948  
 FAX (714) 628-8905

JAN 18 JAN

# Invoice

NOTE 3/17

Date	Invoice #	CLSI#
1/13/2022	20402	21-TE5-525

Bill To

Testa Construction Inc.  
 1900 E Warner Ave. Suite 1-0  
 Santa Ana, CA 92705

Job#/P.O.#	Location	PC	Terms
N/A	Fontana		

Description	Contract Amt.	Prior %	Curr %	Total %	Amount
Water Main Extension (7 Eleven Store) Fontana 1836 Sierra Lakes Partners, LLC					
Control, Calculations, Water Line, Water Laterals	2,360.00		100.00%	100.00%	2,360.00
Subtotal					2,360.00
Less 10% Retention					-236.00
<b>Job Total Balance</b>	\$2,124.00				
			<b>Total</b>		\$2,124.00

**UNCONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT**

**NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.**

---

**Identifying Information**

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Name of Claimant: Case Land Surveying

---

Name of Customer: Testa Construction Inc.

---

Job Location: Water Main Extension (7 Eleven Store) Fontana

---

Owner: 1836 Sierra Lakes Partners, LLC

---

**Unconditional Waiver and Release**

This document waives and releases lien, stop payment notice, and payment bond rights the claimant has for all labor and service provided, and equipment and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant, are waived and released by this document, unless listed as an Exception below. The claimant has been paid in full.

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**Exceptions**


---

This document does not affect any of the following:  
Disputed claims for extras in the amount of: \$

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**Signature**

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Claimant's Signature: 

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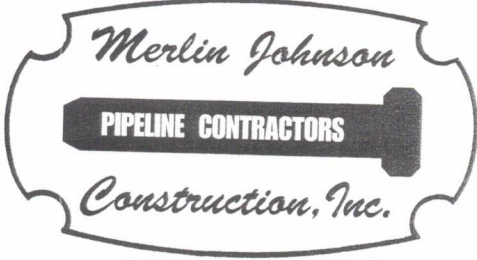
Claimant's Title: A/R Credit Analyst

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Date of Signature: 05/02/2022

---

7/1/12



Contractors' License No. 467306  
(909) 794-7702  
FAX (909) 794-3653  
P.O. Box 777  
Mentone, CA 92359

General Engineering Contractor

INVOICE 061696

TO: Testa Construction Inc.  
1900 E Warner Avenue 1-0  
Santa Ana CA 92705

Date: <sup>61696</sup> 1/21/2022

Job Location: 7-Eleven 17064 Sierra Lakes Parkway, Fontana CA  
Job Name: Water main extension  
Our Job Number: 22-48-W 100% Complete

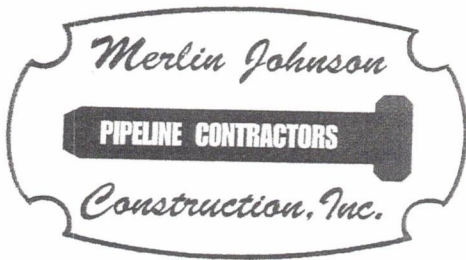
**Schedule of Values Attached**

Contract Items	\$ 169,089.00
CO # 1	<u>\$ 3,361.00</u>
Sub Total	\$ 172,450.00
Less 10% Retention	<u>\$ (17,245.00)</u>
<b>Total Due This Invoice</b>	<b><u><u>\$ 155,205.00</u></u></b>

Thank you.  
Your prompt payment is appreciated

District has approval for  
Merlin's work for the amount  
not to exceed **\$89,870.**

Past Due Accounts will be charged a 1 1/2% Service Charge per month.



ENTERED  
2/11

Contractors' License No. 467306  
(909) 794-7702  
FAX (909) 794-3653  
P.O. Box 777  
Mentone, CA 92359

General Engineering Contractor

INVOICE 061715

TO:



Testa Construction Inc.  
1900 E Warner Avenue 1-0  
Santa Ana CA 92705

Date:

<sup>61715</sup>  
2/24/2022

Job Location: \_\_\_\_\_ 7-Eleven 17064 Sierra Lakes Parkway, Fontana CA

Job Name: \_\_\_\_\_ Water main extension

Our Job Number: \_\_\_\_\_ 22-48-W **RETENTION BILLING / FINAL**

1/21/2022 Invoice 61696 \$ 172,450.00 Retention Held/ Due \$ 17,245.00

**Total Retention due this invoice \$ 17,245.00**

Thank you.  
Your prompt payment is appreciated

Past Due Accounts will be charged a 1 1/2% Service Charge per month.





License # 467306  
P.O. Box 777 • Mentone, CA 92359  
(909) 794-7702 • Fax (909) 794-3653

**UNCONDITIONAL WAIVER AND RELEASE ON FINAL PAYMENT**  
*Civil Code Section 8138*

NOTICE TO CLAIMANT: THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM.

**Identifying Information**

Name of Claimant: Merlin Johnson Construction, Inc.  
Name of Customer: Testa Construction, Inc.  
Job Location: 7-Eleven 17064 Sierra Lakes Parkway, Fontana CA 92355  
Owner: 1836 Sierra Lakes Partners, LLC

**Unconditional Waiver and Release**

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**Exceptions**

This document does not affect the following:  
Disputed claims for extras in the amount of : \$ None

**Signature**

Claimant's Signature: Rebecca Blanton  
Claimant's Title: Operations Manager  
Date of Signature: 3/28/2022



June 28, 2022

Bertha Perez  
West Valley Water District  
855 W. Baseline Road  
Rialto, CA 92376

Re: New Water Main Extension - Mango Avenue  
17064 Sierra Lakes Parkway, Fontana, CA

Dear Bertha,

KPFF was contracted with Eric Silverman, SBH Real Estate Group, Inc., to provide civil engineering services for the new water main extension along Mango Avenue. The scope of our services included the following tasks:

1. Developed water improvement plans per WVWD requirements
2. Coordination with WVWD
3. Submitted to WVWD for plan check and addressed WVWD comments, as needed
4. Coordinated with contractor and City of Fontana for water line installation. KPFF was not responsible for providing documentation for excavation and traffic control permit.
5. Provided Construction Administrative (CA) services for the water main construction

Our contract was executed for a lump sum amount of **\$25,000**. The total fee has been paid out fully and no remaining balance. Attached is the project task invoice.

Please feel free to reach out with any questions or concerns.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ali Khamsi'.

Ali Khamsi, PE  
Principal

CC: Eric Silverman, SBH Real Estate Group  
Thinh Luc, KPFF  
Johnna Howell, Testa Construction, Inc.



Attention: Att: esilverman@sbh-reg.com  
SBH REAL ESTATE GROUP, INC.  
606 SOUTH OLIVE STREET, SUITE 2450  
LOS ANGELES, CA 90014

Project Name: 7-Eleven Fontana – Water Line Extension -  
10191900139.02  
Client Project #: -  
Client Contract #:

INVOICE

Invoice Date: 6/21/2021  
Invoice #: 378191  
KPFF Project #: 10191900139  
KPFF PM: Tinh Luc  
KPFF PIC: Ali Khamisi  
KPFF Tax ID: 91-0755897

For Professional Services Rendered Through 5/31/2021

Professional Services - Civil Engineering

	% of Contract	Fee	% Complete	Invoice		
				To Date	Previous	Current
Engineering Services	100.00	25,000.00	100.00	25,000.00	18,750.00	6,250.00
<b>Total:</b>	100.00	25,000.00	100.00	25,000.00	18,750.00	6,250.00
<b>Amount Due This Invoice</b>						6,250.00

Total Fee : 25,000.00  
To Date Billings : 25,000.00  
Total Remaining : 0.00

A/R Summary	Previously Invoiced	Current Invoice	Total Paid to Date	Amount Outstanding
	18,750.00	6,250.00	0.00	25,000.00

Outstanding Receivables	Invoice Number	Date	Amount	Balance Due
	357836	1/22/2021	6,250.00	6,250.00
	364272	3/19/2021	2,500.00	2,500.00
	367826	4/20/2021	6,250.00	6,250.00
	374146	5/20/2021	3,750.00	3,750.00

PAID IN FULL



**City of Fontana**  
**8353 Sierra Avenue**  
**Fontana, CA 92335**  
**UTILITY EXCAVATION PERMIT**

09/30/2021  
3:53 pm

All inspection requests require 48hr advance notice.

Request Mon - Thur Inspection via eTrakit at <https://etrakit.fontana.org/etrakit> or call (909) 350-7693

Request Friday Inspection via [engineering@fontana.org](mailto:engineering@fontana.org)

NO WORK IS TO BE DONE ON WEEKENDS/AFTER HOURS UNLESS OVERTIME INSPECTION HAS BEEN APPROVED.

Permit Number: **ELPT21-001158**      Issued: **09/30/2021**      Date Started: 10/01/2021      1      Expires : **03/29/2022**

Applicant Information

**TESTA CONSTRUCTION INC**  
**1900 E. WARNER AVE, #1-0**  
**SANTA ANA, CA 92705**  
**(714) 773-0340**

Contractor Information

**MERLIN JOHNSON CONSTRUCTION IN**  
**PO BOX 777**  
**MENTONE, CA 92359**  
**(909) 794-7702**

Contact Information

**JOHNNA HOWELL**

Job Address: **17064 SIERRA LAKES PK, FONTANA, CA 92336**

Map No: **10**

Subtype: **EXCAVATION & TRAFFIC**

Tract Map #:

Parcel Map #: **17771**

Parcel No: **111922170**

Specific Plan:

Project Duration (days): **7 DAYS**

- TRAFFIC CONTROL SHALL BE IN ACCORDANCE PER CATTCH, DRAWING #: 4

- WORK HOURS 7:30 a.m. - 4:30 p.m. (MON. - FRI.)

**Description:** EXCAVATION AND TRAFFIC CONTROL WATER LINE TRENCH.  
 LOCATED AT: **17064 SIERRA LAKES PKWY**

**TRENCHING FOR NEW WATER LINE ON MANGO AVE PER ATTACHED PLAN.**

Fee Description	Amount	Amount Paid	Amount Due
EXCAVATION INSPECTION	\$340.00	\$340.00	\$0.00
CONST PERMIT PROCESSING - ISSUANCE FEE	\$41.00	\$41.00	\$0.00
LANE CLOSURE PER CJUTCM MANUAL	\$266.00	\$266.00	\$0.00
<b>Totals:</b>	<b>\$647.00</b>	<b>647.00</b>	<b>\$0.00</b>

Permission is hereby granted to the applicant to perform the work described above. It is expressly agreed that the work will be performed in accordance with the applicable laws, regulations and specifications of the City of Fontana.

  
 Permittee Signature

MERLIN JOHNSON CONSTRUCTION

Permittee Print Name

All work shall be inspected - Inspector Signoff:

**District has approval for  
 \$342.91.**

BANK OF AMERICA - CONFIDENTIAL

PAGE: 1

STATEMENT OF FEES AND CHARGES

SCRANTON STANDBY  
TRADE OPERATIONS PA6-580-02-30  
1 FLEET WAY  
SCRANTON PA 18507

LETTER OF CREDIT # 68178032  
CUSTOMER NUMBER C0181913  
STATEMENT DATE 11/05/21

NORMAN SILVERMAN TTEE HEDY  
SILVERMAN TTEE SILVERMAN LIVING  
TRUST, 606 S OLIVE ST STE 2450  
LOS ANGELES, CA 90014

US DOLLARS

YOUR REFERENCE: LMA  
APPLICANT: SBH REAL ESTATE GROUP/ERIC  
BENEFICIARY: WEST VALLEY WATER DISTRICT

SUMMARY OF LETTER OF CREDIT COMMISSIONS

BILLING PERIOD: START OF PERIOD, LIFE, ANNIVERSARY

DATE PERIOD BEGINS	OUTSTANDING BALANCE	RATE	COMMISSION AMOUNT
11/05/21	166,415.00USD	MINIMUM	USD 2,500.00
	MINIMUM STANDBY COMMISSIONS		USD 2,500.00
TOTAL COMMISSIONS AND FEES DUE			USD 2,500.00

WE CHARGED YOUR ACCOUNT # \*\*\*\*\*1687 TODAY.

FOR QUESTIONS REGARDING THIS TRANSACTION, PLEASE CALL 800-370-7519 OR FAX 800-755-8743.

District has approval for \$1,929.83.

ORIGINAL

Please remit to:

Krazan & Associates, Inc.  
215 West Dakota Avenue  
Clovis, California 93612

KA Tax I.D. No: 77-0039491

Phone: (951) 273-1011  
Fax: (951) 273-1003



*Client:* 1836 Sierra Lakes Partners  
**Attn: Eric Silverman**  
606 South Olive Street, Suite 2450  
Los Angeles, CA 90014

*Project:* **7-Eleven Fontana**  
*Location:* **17064 Sierra Lakes Parkway  
Fontana, CA**

*KA Proj. No:* 11621147  
*KA Client Nos:* 29175: 26825

*Client Job No:*  
*P.O. No:*  
*Permit No:*

*Invoice Date:* **November 30, 2021**

*KA Proj. Mgr:* Atadero, Joshua

Date	Detailed Description of Services	Units	Rate	Amount
<b><u>Construction Testing &amp; Inspection Services</u></b>				
11-Nov-21	Compaction Testing - Water Main Line	8.00	63.00	\$504.00
11-Nov-21	Compaction Testing - Water Main Line (OT)	2.00	94.50	\$189.00
12-Nov-21	Compaction Testing - Water Main Line	8.00	63.00	\$504.00
12-Nov-21	Compaction Testing - Water Main Line (OT)	2.00	94.50	\$189.00
30-Nov-21	Reporting	1.00	55.00	\$55.00
30-Nov-21	Project Engineer	1.00	98.00	\$98.00
			<b>Subtotal:</b>	\$1,539.00
<b><u>Laboratory Testing Services</u></b>				
30-Nov-21	Max Density of Soils (Sample #21147)	1.00	150.00	\$150.00
			<b>Subtotal:</b>	\$150.00
			<b>Total Amount Due:</b>	<b>\$1,689.00</b>

**Please Pay This Amount: \$1,689.00**

**Payable upon receipt of invoice.** Overdue accounts charged 1.5% per month (18% annually)  
**Remit copy of invoice with payment** and include our invoice number on your check.

**P-PAS**

**UNCONDITIONAL WAIVER AND RELEASE UPON  
FINAL PAYMENT**

**NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT'S LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS THE CLAIMANT HAS RECEIVED PAYMENT. BEFORE ANY RECIPIENT OF THIS DOCUMENT RELIES ON IT, SAID PARTY SHOULD VERIFY PAYMENT WITH THE UNDERSIGNED.**

The undersigned has been paid in full for all labor, services, equipment or material furnished to (client name) 1836 Sierra Lakes Partners on the job of (property owner) \_\_\_\_\_ known as (project name) 7-Eleven Fontana located at (job address) 17064 Sierra Lakes Parkway, Fontana CA 92335 through 12/31/2021 and does hereby waive and release any right to a mechanics' lien, stop notice, or any right against a labor and material bond on the job, except for disputed claims for extra work in the amount of \$ ZERO.

**Exceptions**

This document does not affect any of the following:

1. Disputed claims for extras in the amount of: \$ ZERO.

Date: 7/8/2022

Krazan & Associates, Inc.

By: Jodi Ragsdale

(Print name)

By: Jodi L. Ragsdale

(Signature)

Title: Controller



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** CONSIDER APPROVING A PROJECT TO IMPLEMENT AN ADVANCED METERING INFRASTRUCTURE SYSTEM

---

**BACKGROUND:**

Many years ago, West Valley Water District, (“District”), initiated a project to implement an Automatic Meter Reading System, (“AMR”), to take the place of manually reading each meter. AMR systems transmit the water meter readings, (one-way communication), from each meter to handheld or truck mounted devices. AMR systems significantly reduced the amount of time required to gather meter readings, as well as the potential for data entry errors. The AMR project was completed about 2 years ago. However, since the original undertaking of the AMR project, meter reading technology has advanced. Advanced Metering Infrastructure Systems, (“AMI”), enable two-way communication over a fixed network between the District and the metering endpoints. Transitioning to an AMI system offers several benefits.

**DISCUSSION:**

Currently, the District collects readings via AMR for just under 24,000 metered service connections, which are divided into 12 separate reading routes. It takes approximately 6-8 hours to drive each route to collect the readings. Due to development within the District’s service area, the number of service connections has been increasing by an average of about 500 per year. Transitioning to AMI will help the District better handle the increasing workload caused by the increasing number of service connections.

Potential benefits include, but are not limited to:

- Increased data collection capability. With an AMI system, the whole distribution network can be continuously monitored by hourly interval reads. This capability can be used to help detect leaks, and to provide a foundation for analyzing usage patterns, (important for water conservation and water use efficiency). The meter reading for billing would be instantaneous compared to driving routes and collecting AMR reads on a laptop. Opening and closing reads could be obtained immediately without sending field staff.
- Improved system monitoring capability. The District could strategically install the meters that monitor pressure and temperature. Those could be used to collect important data for



Operations staff, (we currently do not have any of these meters in our system).

- Potential for workflow improvements and increased efficiencies. Reductions to the amount of time required for field staff to collect reads, would allow them additional time for customer interactions, thereby improving our level of customer service. It would also allow for staffing resources to be shifted to other work that is important but has been lower priority.

The Board of Directors has already recognized the merits of implementing an AMI system and at its April 15, 2021 regular meeting, approved the “Water Infrastructure and Technology Improvement Plan”. Priority 7 on the list was to implement an Advanced Metering Infrastructure System, (“AMI”).

District staff began laying the foundation for a successful transition to AMI years ago. The District’s Chief Water Systems Operator for the Meter Reading Division began installing Meter Transmitter Units, (“MXUs”), that are capable of communicating with both AMR and AMI systems. As a result, staff anticipates that approximately 48% of the meters will immediately be able to be read via AMI once the system is turned on. The remaining meters will gradually be transitioned from the AMR system to the AMI system as part of the regular annual meter maintenance and replacement program. The District would maintain dual systems, (both AMR and AMI), until those remaining meters could be fully converted to AMI. On average, staff has been repairing and replacing approximately 1,500 - 2,000 meters per year, so the dual systems would likely be necessary for approximately 6 - 8 years.

In order to proceed with the implementation of an AMI system, the following are required:

- **Hardware (Aqua-Metric One-time costs of \$139,291.25):** Installation of Sensus M400B2 BaseStations and RV55 Cellular Backhaul Devices at 4 existing towers throughout the District. A radio frequency study was conducted and the existing towers at the Oliver P. Roemer, (“OPR”), Treatment Facility, the South Shop, Well 54, and Booster Station 2-3 were identified as ideal locations to provide the necessary coverage for communications, (see **Attachment A**). Aqua-Metric Sales Company, (the authorized Sensus Distribution Channel Partner in California), has provided a quote in the amount of \$139,291.25 for the equipment and installation, (see **Attachment B**). Note: The equipment and installation costs for OPR are reflected on the quote as zero. That is due to a warranty settlement between Sensus and the District for some MXU’s that were programmed incorrectly, leading to early failures in early 2021, (the settlement was approved by the Board at its May 20, 2021 regular meeting).
- **Software (Aqua-Metric Recurring costs of \$35,068 plus One-time costs of \$27,957):** Annual Software as a Service, (“SaaS”), licensing fees for Sensus Regional Network Interface (“RNI”), which is the communications network. Annual SaaS licensing fees for Sensus Analytics Enhanced, which is for the meter reading analytics and reporting system. One-time setup, integration, and training fees. The detailed costs are included on the quote from Aqua-Metric Sales Company, which is included as **Attachment C**.
- **Software (Tyler Technologies Recurring costs of \$750 plus One-time costs of \$4,290):** Annual maintenance fee and a one-time implementation fee for the additional Meter-Reader Interface that would be required in order to import the AMI reads into the billing system, (see **Attachment D**).

**FISCAL IMPACT:**

The project to implement an AMI system includes both recurring annual operating costs and one-time capital costs. The recurring operating costs for the software licensing and maintenance total \$35,818.00. Funding for those costs were included in the FY 2023 Operating Budget in 100-5640-540-5604 Repair & Maintenance / Contracts and Licensing.

The one-time capital costs total \$171,538.25. Funding of \$200,000.00 for the one-time setup, integration, and training costs were included in the FY 2023 Capital Improvement Budget in project #W22020: Advanced Metering Infrastructure AMI - Data Collection Network.

	<b>O&amp;M</b>	<b>CIP</b>	
	<b>Recurring</b>	<b>One-Time</b>	<b>Total</b>
Hardware: Aqua-Metric	-	139,291.25	139,291.25
Software: Aqua-Metric	35,068.00	27,957.00	63,025.00
Software: Tyler Technologies	750.00	4,290.00	5,040.00
	<b>35,818.00</b>	<b>171,538.25</b>	<b>207,356.25</b>

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to:

1. Authorize entering a contract with Aqua-Metric Sales Company in the amount of \$139,291.25 for the equipment purchase and installation; and
2. Authorize entering a contract with Aqua-Metric Sales Company in the amount of \$63,025.00 for the Year 1 SaaS licensing fees as well as the one-time setup, integration, and training fees; and
3. Authorize entering a contract with Tyler Technologies in the amount of \$5,040.00 for the Year 1 annual maintenance fees as well as the one-time setup fee for the additional Meter-Reader interface.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:js

**ATTACHMENT(S):**

1. Attachment A - Sensus FlexNet Design RF Study
2. Attachment B - Aqua Metric\_Hardware
3. Attachment C - Aqua Metric\_Software
4. Attachment D - Tyler Technologies\_Software

**MEETING HISTORY:**

09/13/22	Safety and Technology Committee	REFERRED TO BOARD
09/14/22	Engineering, Operations and Planning Committee	REFERRED TO BOARD

# Attachment A

## Sensus FlexNet Design RF Study

# FlexNet Design

## Propagation Analysis

**11516 – West Valley Water District**  
**Rialto, CA**

RF Engineer: Jeff Lewis  
 Date: 04/28/2021

### Proposed Site Details

Total Site Locations: 4  
 Total Base station Counts: 4  
 M400B2 = 4

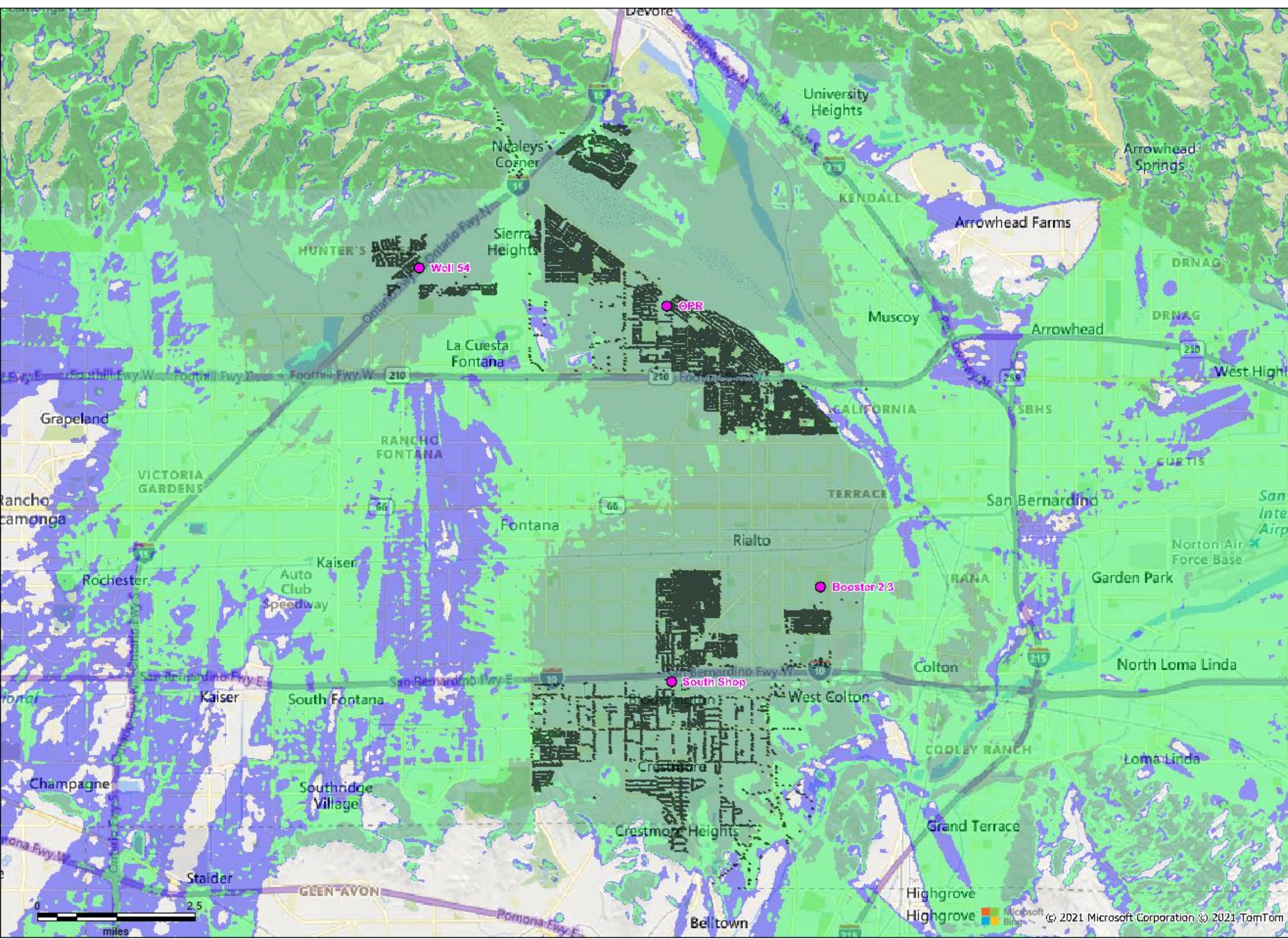
### Design Factors

Flex Net Version: V1  
 Endpoint Type: Water  
 Smart point Location: Pitset  
 (above lid)

	Count	%
Total Endpoints Covered	21,167	99.90%
Ally Coverage	19,352	91.33%
2 Way Coverage	20,987	7.71%
1 Way Coverage	180	0.85%
Total Endpoints Analyzed	21,189	

### LEGEND

- Ally Coverage
- Two-way Coverage
- One-way Coverage
- Site Location
- Endpoint Location



This propagation study is based on actual information provided by the utility pertaining to meter type, Smart point Location, potential antennae height on structure, structure height, and structure location. Any changes, deletions and/or additions that are not provided to the design engineers during the creation of this design may result in a study that does not correlate to actual field conditions.

# Attachment B

Aqua-Metric Quote for  
Hardware and  
Installation \$139,291.25

August 31, 2022

**Aqua-Metric Sales Company**

Steve Kamiyama | Account Manager  
 4050 Flat Rock Drive | Riverside, CA 92505  
 Phone: (951) 233-9545 | Facsimile: (951) 637-1500  
[steve.kamiyama@aquametric.com](mailto:steve.kamiyama@aquametric.com)

Quote for: West Valley Water District  
 Attention: Bill Krueger  
 Address:  
 City, State, ZIP:  
 Phone:  
 Email:

Quantity	Description	Unit Price	Line Total
1	OPR Install new OMNI antenna at top of tower on new mast, install new coax (7/8") Install BaseStation on tower with unistrut, install power utilizing existing conduits and sources, Ground coax and BaseStation, and Sweep Test Labor - No Cost to the district per agreement with Sensus		
1	Material - No Cost to the district per agreement with Sensus		
1	South Shop Install new OMNI antenna at top of tower on new mast , Install new coax (7/8") Install BaseStation on tower with unistrut, install power utilizing existing conduits and sources, Ground coax and BaseStation, and Sweep Test Labor	\$5,400.00	\$5,400.00
1	Material	\$4,675.00	\$4,675.00
2	Well 54 and Booster Install new mast above top of tower, install new antenna, install new coax (7/8") Install BaseStation on tower, Trench / intercept existing source, Install power from existing source, Ground coax and BaseStation Labor	\$6,075.00	\$12,150.00
2	Material	\$3,850.00	\$7,700.00
1	M400B2 Sensus BaseStation for OPR - No cost to the district per agreement		
3	M400B2 Sensus BaseStation (South Shop, Well 54, Booster)	\$32,500.00	\$97,500.00
4	Cellular Backhaul Device RV55	\$1,000.00	\$4,000.00

This quote for the product and services named above is subject to the following terms:

1. All quotes are subject to the Aqua-Metric Terms of Sale.
2. Quote is valid until 12/31/22
3. Freight allowed on single orders exceeding \$20,000.00.
4. Net Thirty Days to Pay
5. Returned product may be subject to a 25% restocking fee.
6. Sales Tax is estimated

Subtotal	\$131,425.00
Shipping & Handling	
Sales Tax	\$7,866.25
<b>Total</b>	<b>\$139,291.25</b>

# Attachment C

Aqua-Metric Quote for Software  
Licensing, Setup, and Training

\$63,025

Annual Licensing \$35,068

*(Highlighted in blue)*

One-Time Setup and Training

\$27,957

*(Highlighted in yellow)*



August 25, 2022

**Aqua-Metric Sales Company**  
 Steve Kamiyama | Account Mnager  
 4050 Flat Rock Drive | Riverside, CA 92505  
 Mobile: (951) 233-9545 | Facsimile: (951) 637-1500

Quote for: West Valley Water District  
 Attention: Bill Krueger  
 Address:  
 City, State, ZIP:  
 Phone:  
 Email:

Quantity	Description	Unit Price	Line Total
<b>Year 1 Fees (Up to 12,000 SmartPoints on Network) (Estimated)</b>			
1	Sensus RNI SaaS Fee	\$18,386.00	\$18,386.00
1	Sensus Analytics Enhanced - Water	\$16,682.00	\$16,682.00
1	RNI SaaS Setup Fee (One Time)	\$7,957.00	\$7,957.00
1	Sensus Analytics Setup Fee (One Time)	\$12,500.00	\$12,500.00
1	Standard Analytic Integration Performed by Sensus (One Time)	\$5,000.00	\$5,000.00
1	Sensus Training Remote on RNI and Analytics (One Time)	\$2,500.00	\$2,500.00
	<b>Total Year 1 Fees</b>		<b>\$63,025.00</b>
<b>Year 2 Fees 15000 SmartPoints on Network (Estimated)</b>			
1	Sensus RNI SaaS Fee	\$23,671.00	\$23,671.00
1	Sensus Analytics Enhanced - Water	\$20,248.00	\$20,248.00
<b>Year 3 Fees 18000 SmartPoints on Network (Estimated)</b>			
1	Sensus RNI SaaS Fee	\$29,258.00	\$29,258.00
1	Sensus Analytics Enhanced - Water	\$23,837.00	\$23,837.00
<b>Year 4 Fees 21000 SmartPoints on Network (Estimated)</b>			
1	Sensus RNI SaaS Fee	\$34,967.00	\$34,967.00
1	Sensus Analytics Enhanced - Water	\$27,564.00	\$27,564.00
<b>Year 5 Fees 24000 SmartPoints on Network (Estimated)</b>			
1	Sensus RNI SaaS Fee	\$36,016.00	\$36,016.00
1	Sensus Analytics Enhanced - Water	\$32,362.00	\$32,362.00
N/A	TBG Extended Maintenance (Starting Year 2) Extended BaseStation Support Per Basestation	\$2,500.00	\$2,500.00

This quote for the product and services named above is subject to the following terms:

1. All quotes are subject to the Aqua-Metric Terms of Sale.
2. Fees Subject to an annual 3% increase
3. Freight allowed on single orders exceeding \$10,000.00.
4. Net Thirty Days to Pay
5. Returned product may be subject to a 25% restocking fee.
6. Sales Tax and/or Freight charges are approximated and may vary on final invoice.

Subtotal  
 Shipping & Handling  
 Sales Tax  
**Total**

# Attachment D

Tyler Technologies Quote for  
Software Licensing and Setup

\$5,040



Quoted By: Brandon Swanson  
Quote Expiration: 11/19/22  
Quote Name: Meter Reader Interface

**Sales Quotation For:**  
West Valley Water District  
PO Box 920  
Rialto CA 92377-0920  
Jon Stephenson  
+1 (909) 875-1804,,303  
jsteph@wvwd.org

**Tyler Software**

Description	License Total	Annual Maintenance
<b>ERP Pro powered by Incode</b>		
ERP Pro 10 Customer Relationship Management Suite		
Additional Handheld Meter-Reader Interface	\$ 3,000	\$ 750
<b>TOTAL:</b>	<b>\$ 3,000</b>	<b>\$ 750</b>

**Services**

Description	Hours/Units	Extended Price	Maintenance
<b>ERP Pro 10 Customer Relationship Management Suite</b>			
Professional Services	8	\$ 1,040	\$ 0
<b>Other Services</b>			
Project Management	1	\$ 250	\$ 0
<b>TOTAL:</b>		<b>\$ 1,290</b>	<b>\$ 0</b>

Summary	One Time Fees	Recurring Fees
Total Tyler Software	\$ 3,000	\$ 750
Total Tyler Services	\$ 1,290	
<b>Summary Total</b>	<b>\$ 4,290</b>	<b>\$ 750</b>
<b>Contract Total</b>	<b>\$ 5,040</b>	

**Detailed Breakdown of Professional Services (Included in Summary Total)**

Description	Hours	Extended Price	Maintenance
<b>ERP Pro powered by Incode</b>			
<b>ERP Pro 10 Customer Relationship Management Suite</b>			
Additional Handheld Meter-Reader Interface	8	\$ 1,040	\$ 0
<b>Sub-Total</b>		<b>\$ 1,040</b>	<b>\$ 0</b>
<b>TOTAL:</b>		<b>\$ 1,040</b>	<b>\$ 0</b>

**Comments**

- Some services may be delivered remotely via web-based training.
- Expenses associated with onsite services are invoiced as incurred according to Tyler's standard business travel policy.

SaaS is considered a term of one year unless otherwise indicated.

Client agrees that items in this sales quotation are, upon Client's signature or approval of same, hereby added to the existing agreement ("Agreement") between the parties and subject to its terms. Additionally, payment for said items, as applicable but subject to any listed assumptions herein, shall conform to the following terms, subject to payment terms in an agreement, amendment, or similar document in which this sales quotation is included:

- License fees for Tyler and third-party software are invoiced upon the earlier of (i) delivery of the license key or (ii) when Tyler makes such software available accessible.
- Fees for hardware are invoiced upon delivery.
- Fees for year one of hardware maintenance are invoiced upon delivery of the hardware.
- Annual Maintenance and Support fees, SaaS fees, Hosting fees, and Subscription fees are first payable when Tyler makes the software accessible to the Client (for Maintenance) or on the first day of the month following the date this quotation was signed (for SaaS, Hosting, and Subscription), and any such fees are prorated to align with the applicable term under the agreement, with renewals invoiced annually thereafter in accord with the Agreement.
- Fees for services included in this sales quotation shall be invoiced as indicated below.

- o Implementation and other professional services fees shall be invoiced as delivered.
- o Fixed-fee Business Process Consulting services shall be invoiced 50% upon delivery of the Best Practice Recommendations, by module, and 50% upon delivery of custom desktop procedures, by module.
- o Fixed-fee conversions are invoiced 50% upon initial delivery of the converted data, by conversion option, and 50% upon Client acceptance to load the converted data into Live/Production environment, by conversion option. Where conversions are quoted as estimated, Tyler will invoice Client the actual services delivered on a time and materials basis.
- o Except as otherwise provided, other fixed price services are invoiced upon complete delivery of the service. For the avoidance of doubt, where "Project Planning Services" are provided, payment shall be invoiced upon delivery of the Implementation Planning document. Dedicated Project Management services, if any, will be invoiced monthly in arrears, beginning on the first day of the month immediately following initiation of project planning.
- o If Client has purchased any change management services, those services will be invoiced in accordance with the Agreement.
- o Notwithstanding anything to the contrary stated above, the following payment terms shall apply to fees specifically for migrations: Tyler will invoice Client 50% of any Migration Services Fees listed above upon Client approval of the product suite migration schedule. The remaining 50%, by line item, will be billed upon the go-live of the applicable product suite. Tyler will invoice Client for any Project Management Fees listed above upon the go-live of the first product suite. Annual SaaS Fees will be invoiced upon availability of the hosted environment.

Any SaaS or hosted solutions added to an agreement containing Client-hosted Tyler solutions are subject to Tyler’s SaaS Services terms found here: <https://www.tylertech.com/terms/tyler-saas-services>.

Unless otherwise indicated in the contract or amendment thereto, pricing for optional items will be held For six (6) months from the Quote date or the Effective Date of the Contract, whichever is later.

Customer Approval: \_\_\_\_\_ Date: \_\_\_\_\_  
 Print Name: \_\_\_\_\_ P.O.#: \_\_\_\_\_



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** LABORATORY SELECTION FOR THE FIFTH UNREGULATED  
 CONTAMINANT MONITORING RULE (UCMR 5)

---

**BACKGROUND:**

The 1996 Safe Drinking Water Act amendment requires that once every five years EPA issue a new list of no more than 30 unregulated contaminants to be monitored by public water systems under the Unregulated Contaminant Monitoring Rule (UCMR). Prior UCMRs were issued in 1999, 2007, 2012 and 2017.

The fifth Unregulated Contaminant Monitoring Rule (UCMR 5) was published on December 27, 2021. UCMR 5 requires sample collection for 30 chemical contaminants between 2023 and 2025 using analytical methods developed by EPA and consensus organizations. This action provides EPA and other interested parties with scientifically valid data on the national occurrence of these contaminants in drinking water. Consistent with EPA's PFAS Strategic Roadmap, UCMR 5 will provide new data that is critically needed to improve EPA's understanding of the frequency that 29 PFAS (and lithium) are found in the nation's drinking water systems and at what levels. This data will ensure science-based decision-making and help prioritize protection of disadvantaged communities.

**DISCUSSION:**

UCMR 5 begins this year with the selection of sample points for surface water and groundwater basins. West Valley Water District (District) has eleven sample points to meet the sampling requirements. Only specific laboratories are approved by the United States Environmental Protection Agency (EPA) to analyze samples for UCMR 5.

On July 1, 2022, a Request for Proposals (RFP) was issued and publicly advertised on PlanetBids. Five (5) firms submitted bids to provide the specified services. Attached as **Exhibit A** is a summary of the results from each lab. Based on information received, District staff examined all bids and found that the lowest bid submitted by Babcock Laboratories to be in conformance with requirements of the project. Attached as **Exhibit B** is the proposal from Babcock Laboratories. Attached as **Exhibits C** and **D** are the list of approved laboratories and UCMR 5 sampling schedule.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from project number GL 100-5310-525-5314 titled "Professional Services/Lab Tests" with a budget of \$65,000.00. The best quote is from Babcock Laboratories for \$17,520.00 for the entire UCMR 5 sampling period. Two (2) Purchase Orders, one (1) in FY2022/23 and one (1) in FY2023/24, be issued to cover the sampling period from January 2023 through October 2023 (subject to change).

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to approve Purchase Orders with Babcock Laboratories in the amount of \$17,520.00 for UCMR 5 laboratory services.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ;jh

**ATTACHMENT(S):**

1. Exhibit A - UCMR5 Bid Summary
2. Exhibit B - Proposal-Babcock Laboratories
3. Exhibit C - List of Approved UCMR 5 Laboratories
4. Exhibit D - UCMR 5 Sampling Schedule

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD



# EXHIBIT A

West Valley Water District - UCMR5 LAB TESTING RFP							
Vendor	FEES	Other FEES*	Field Blank Analyses	Reextract / Resample	TOTAL COST	EPA UCMR5 APPROVED	NOTES
Babcock Laboratories, Inc	\$11,520.00	\$6,000.00	Included	Included	\$17,520.00	YES per Proof Included in Bid	Will ship sample kits & coolers. Field staff delivers samples to lab. Worked with Babcock in previous UCMR5.
BSK Associates	\$10,320.00	\$8,400.00	Included	Included	\$18,720.00	YES per List (Fresno Lab)	BSK will ship from San Bernardino to lab in Fresno. Field staff delivers samples to lab.
Eurofins Eaton Analytical, LLC	\$12,000.00	\$5,900.00	\$10,800.00	Included	\$28,700.00	YES per Proof Included in Bid (Monrovia Lab)	Will require courier service from Rialto to Monrovia.
Pace Analytical Services, LLC	\$16,800.00	\$6,975.00	\$9,600.00	Included	\$33,375.00	YES per Proof Included in Bid (Lab out of state KY, FL, IL)	Will require courier service from Rialto to Signal Hill. The Signal Hill laboratory will then pack up the samples and ship them to one of their out of state labs certified for UCMR.
Weck Laboratories, Inc.	\$11,760.00	\$5,160.00	\$7,440.00	\$11,280.00	\$35,640.00	YES per Proof Included in Bid	Will require courier service from Rialto to City of Industry.

\*Other FEES include courier service, sample kits, extract and hold Field Blanks to ensure 14-day hold time is met.

NOTE: Field Blanks are required at each sample location for EPA 533 & EPA 537.1 and are analyzed if there are positive results in the sample. The costs for Field Blank analyses are if every Field Blank needed to be analyzed.

# EXHIBIT B



**BABCOCK Laboratories, Inc.**  
*The Standard of Excellence for Over 100 Years*

August 16, 2022

West Valley Water District  
 855 West Base Line  
 Rialto, CA 92377

**RE: Request for Proposals (RFP) Unregulated Contaminant Monitoring Rule 5 (UCMR5)**

Babcock Labs' qualifications to provide lab services are detailed in the attached proposal. Babcock Labs carries extensive accreditation at the state, national, and 3<sup>rd</sup> party level, and has been approved by the US EPA to perform UCMR analyses since the inception of the program. Moreover, Babcock Labs is a well-respected laboratory leader and has provided quality analytical support to public utilities and community water systems for more than a century.

Babcock Labs is 100% employee-owned and our employee owners are proud members of the Southern California community, contributing daily to the educational and economic vibrancy, and general quality of life in the region. Our philosophy at Babcock Labs is best summarized by our core values: We ***go the extra mile*** to surpass client expectations and our own expectations, ***we find better ways*** through innovation and process improvement, ***we work together*** by collaborating with clients, co-workers, vendors and the community to achieve common goals, ***we do the right thing*** by acting with integrity and honesty, and ***we own It*** by being reliable, accountable and taking initiative for our clients, our team and our community. These core values guide and drive our company, providing our clients with high-caliber data and exceptional customer service.

Babcock Laboratories, Inc. offers the following proposal to West Valley Water District to provide the District with laboratory services in conjunction with the Unregulated Contaminant Monitoring Rule 5 (UCMR5).

Babcock Laboratories, Inc. is well qualified and ready to perform the analysis, quality control, reporting, and electronic data deliverables (both CDX and WaterTrax) for the duration of the UCMR5 monitoring period. Babcock Labs offers the District excellent customer service and quick, responsive turn-around time for the UCMR5.

Thank you for your careful consideration of our proposal.

Sincerely,

  
 Tiffany Gomez

President & CEO  
 Babcock Laboratories, Inc.

Mailing:	Location:	P 951 653 3351	CA ELAP no. 2698
P.O Box 432	6100 Quail Valley Court	F 951 653 1662	ISO 17025:2005 no. 3232.01
Riverside, CA 92502-0432	Riverside, CA 92507-0704	<a href="http://www.babcocklabs.com">www.babcocklabs.com</a>	EPA no. CA00102



BABCOCK Laboratories, Inc.  
*The Standard of Excellence for Over 100 Years*

# Lab Services Proposal for West Valley Water District

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*Prepared by Babcock Laboratories, Inc.*

6100 Quail Valley Ct. Riverside, CA 92507 | [www.babcocklabs.com](http://www.babcocklabs.com) | P: 951-653-3351

8/16/2022

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## Statement of Qualifications

Babcock Laboratories, Inc. is an Employee-Owned California Corporation and is classified as a Small Business Enterprise (SBE), providing environmental and food testing services to public agencies, business, and industry. Founded in the Inland Empire in 1906, Babcock Labs has served the analytical testing industry for 116 years. In regard to the environmental industry and safe drinking water specifically, Babcock Labs has provided drinking water testing since the 1920s, providing public agencies and treatment facilities with sample collection and analytical testing services. Babcock Labs' robust quality systems, state-of-the-art facilities, and professional staff guarantee the data quality and excellent customer service required to meet the specific testing needs of the **West Valley Water District**.

### LOCATION

For over thirty years, the laboratory headquarters and primary lab facilities have been located at:

Babcock Laboratories, Inc.  
6100 Quail Valley Court  
Riverside, CA 92507

In 2004 Babcock Labs expanded its facilities to include an additional custom-designed building that houses supplementary laboratories and a large conference room that is frequently used to provide Babcock Labs clients with technical trainings and seminars.

In 2019, Babcock Laboratories expanded its footprint and opened our Corporate Offices around the corner from the laboratory and is located at:

6235 Rivercrest Dr. Ste H  
Riverside, CA 92507

Babcock Labs provides **West Valley Water District** with many advantages gained by using a laboratory facility located in the Inland Empire (IE) and under 17 miles from the District. As a commercial business, the operations and revenue generated at Babcock Labs benefit the local economy of the IE rather than the economy of a remote area, a different state, or a different country. The close proximity also means that District samples will be analyzed at the primary laboratory rather than needing to be shipped to or from a satellite facility. This benefit of proximity reduces the risk of delay associated with loss, breakage, missed holding times, and temperature sensitivity, among other things critical to UCMR success.

# UNREGULATED CONTAMINANT MONITORING RULE (UCMR 5)

Babcock Laboratories, Inc. has received full approval from the US EPA for all required UCMR 5 methods. These methods include:

Assessment Monitoring	
Metals (Lithium)	EPA Method 200.7
Per and Polyfluoroalkyl Substances (PFAS)	
25 analytes	EPA Method 533
4 analytes	EPA Method 537.1

Babcock Labs Standard TAT for reporting to the District will be 20 business days from when the samples are received. The data would be uploaded into the CDX/SDWARS within 30 days of reporting, in most cases sooner.

We will prepare sample kits for delivery in the month prior to the scheduled sample dates provided by the District. Sample kits to be delivered to the District by our field staff as pre-arranged by the District with the Project Manager. All analyses will be performed by Babcock Laboratories in their Riverside facility with no subcontracting required

Babcock Labs has received certification for each round of UCMR since the beginning of the program over twenty years ago. Since providing UCMR support to our large system clients, Babcock Labs has provided data directly to the USEPA. Babcock Labs has successfully uploaded client data to the SDWARS CDX during earlier versions of UCMR. Babcock Labs has maintained approval throughout and has not been required to retract data from the CDX for quality control issues during any version of UCMR.

In addition to our large system clients, Babcock Labs also enjoys an excellent reputation with the USEPA. Babcock Labs worked directly with the EPA to provide testing services under the Federal Small Systems contracts and was 1 of 5 laboratories recently awarded a portion of the small systems contract for UCMR 5 by the EPA. Through the EPA, we were also involved in method development and MCL validation studies for UCMR5.

## Experience

Babcock Laboratories, Inc. staff is among the most knowledgeable and experienced in the industry. We employ 90 professionals with numerous years of experience.



<b>Team Member</b>	<b>Role</b>	<b>Years of Experience</b>	<b>Years of UCMR* Experience</b>
Tiffany Gomez	Chief Executive Officer	19	6
Allison Mackenzie	Executive VP and Interim Laboratory Technical Director	43	21
Caroline Sangari	Laboratory Director	21	12
Urvashi Patel	Director of Client Experience	24	1
Cathy Iijima	Client Relations Manager	36	21
Kayelani Marshall	Project Manager	12	10
Stacey Fry	Quality Assurance Manager	27	21
Julia Sudds	Inorganics & Trace Metals Manager	28	11
Valerie Sierzchula	Organics Manager	29	6
David Schiessel	Senior Chemist (Organics)	21	11
Omar Sosa	Field Services Supervisor	10	10
*The first round of the UCMR program (UCMR1) began in 2001.			

We are proud to recruit and retain seasoned senior staff with decades of experience in the industry, while also cultivating young talent with the drive and ambition to be tomorrow’s laboratory leaders. Our new staff learns from veteran mentors while applying their knowledge and skills to the rapidly changing technology and instrumentation utilized within our business.

A number of key personnel will be called upon to ensure successful performance of all environmental laboratory services included in this UCMR 5 contract. Please refer to the Work Plan section of the proposal for highlights of project specific staff qualifications and responsibilities with respect to this contract.

Babcock Labs has supported the drinking water and wastewater analytical needs of many Southern California municipalities and water departments—a number of them since the agencies were first formed. As a locally employee-owned and operated firm, our clients rely on us to have the insight and knowledge of their regulatory needs—from local municipal requirements and pre-treatment programs, to state and federal regulations. We routinely provide prompt, reliable, and legally defensible data, making us the laboratory of

choice. We have earned an excellent, longstanding reputation in the environmental industry and the communities we serve.

## References

For reference, a representative sample of Babcock Labs' clients for UCMR services is provided below:

**29 Palms Marine Base MCAGCC**  
**NREA Bldg. 1451**  
**29 Palms, CA 92278**  
**Contact: Chris Elliott**  
**Phone: 760-830-7883**  
**Email: [chris.elliott@usmc.mil](mailto:chris.elliott@usmc.mil)**



Babcock Laboratories performs daily sampling and analysis for the 29 Palms Marine Base located approximately 95 miles away from our laboratory facilities. Babcock Labs furnishes all materials, labor, equipment, and supervision to retrieve water samples from various locations throughout the 596,000 acre (931 square mile) combat center. Samples are collected five days per week by Babcock field technicians. Babcock Labs has been serving the base in this capacity for over 20 years. Babcock field staff have also previously conducted field sampling for UCMR 3, UCMR 4, and additional PFAS samples for MCAGCC. All data successfully uploaded into WaterTrax, as well as State and Federal Databases.

Babcock Labs excels at providing these clients with the field and analytical testing services required to meet their rigorous regulatory compliance and customer service needs. Babcock Labs is a proud partner in assisting our clients on their mission to protect the public health and the environment. The annual value of these client contracts is dependent upon the regulatory cycle of the agency.

**Western Municipal Water District**  
**14205 Meridian Parkway**  
**Riverside, CA 925008**  
**Contact: Anthony Budicin**  
**Phone: 951-571-7288**  
**Email: [abudicin@wmwd.com](mailto:abudicin@wmwd.com)**



Current project: \$250,000 annual budget to perform drinking water and wastewater analyses for the District, March Air Reserve Base, the West Riverside Treatment Plant and the new Murrieta Division. The MARB operation consists of a drinking water distribution system and domestic/industrial waste collection and treatment system run by WMWD but functioning independently of the District's own systems. The project consists of daily and weekly bacteriological monitoring of the drinking water system that supplies purchased finished water to a population of approximately 45,000 as well as water resale to other entities. The

total population served by Western is approximately 825,000. Babcock Laboratories has provided UCMR testing services from the beginning of the program with successful data uploading in the EPA CDX/SDWARS database.

**Rancho California Water District**  
**42135 Winchester Road**  
**Temecula, CA 92589**  
**Contact: Jordan Farrell**



**Phone: 951-296-6965**  
**Email: farrellj@ranchowater.com**

Babcock Laboratories has provided testing for Rancho California Water District for over 45 years. Current services include analyses of drinking water in support of distribution system monitoring and compliance of California Title 22 regulations. Samples are picked up at the water quality division offices Monday - Friday. Compliance analytical results are uploaded into the CLIP program. Babcock Labs has provided UCMR testing services for Rancho California Water District from the beginning of the UCMR program with successful uploads into WaterTrax and EPA CDX/SDWARS databases.

## Project Approach

The approach Babcock Labs proposes to utilize for the sampling, analysis, and reporting requirements necessary to successfully fulfill the requested services are provided here in the Project Approach section. Key components of the Project Approach include team organization and personnel training.

## TEAM ORGANIZATION

### Key Personnel – Customer Service

#### PROJECT MANAGER – KAYELANI MARSHALL

**Responsibilities** – The Project Manager is responsible for coordinating all activities and serving as the primary point of contact for West Valley Water District regarding UCMR 5 testing services. As the Project Manager, Ms. Marshall oversees project coordination, UCMR 5 method compliance, project/sample status monitoring, and final reports and deliverables. She supervises and approves all data uploaded to the Safe Drinking Water Accession & Review System (SDWARS 5) via the Central Data Exchange (CDX). She ensures that all samples are analyzed and reported according to UCMR 5 requirements. She will work directly with the District, the Laboratory Director, the Director of Client Experience, the Client Relations Manager, Field Department Manager, the Quality Assurance Manager, and the Laboratory Managers to ensure that all project requirements are met.

**Résumé** – Ms. Kayelani Marshall holds an A.A. degree from Chaffey Community College. She has twelve years of experience in the environmental laboratory business working for Babcock Labs, all of which have been spent in a customer service role. Ms. Marshall has specific expertise in sample receiving and project management. As a Project Manager, Ms. Marshall is responsible for overall project performance. She will serve as the primary contact to the District, coordinating all aspects of service, including project specific requirements, field and courier services, reporting, sample analyses, and questions or other customer service needs.

#### DIRECTOR OF CLIENT EXPERIENCE – URVASHI PATEL

**Responsibilities** – The Director of Client Experience is responsible for overseeing the departments of Project Management, Sample Receiving, and Field Services. As the Customer Service & Field Department Manager, Ms. Patel ensures that client needs are satisfied by overseeing the coordination of departments and developing and implementing process improvements. She will work with the Project Manager, and the Field Department Supervisor to coordinate UCMR 5 scheduling, bottle orders, and field services.

**Résumé** – Ms. Urvashi Patel holds a B.A. degree of Chemistry from the California State University, Fullerton. She has 24 years of laboratory experience, including time spent in the roles of Bench and Senior Chemist, Department Manager, Project Manager, and Client Service Manager prior to joining the Babcock Team. Her experience managing client services personnel enables Babcock Labs to maintain focus on technical excellence on a daily basis. As Director of Client Experience, Ms. Patel, is responsible for the client services and business development teams. In client services, she leads the Babcock team of Project Managers and their assistants. The project management and business development team's goals are to provide clients with relationship-focused service to deliver reliable results of known and documented quality. Ms. Patel promotes teamwork and group cohesion to maximize efficiency, meticulously developing and maintaining new initiatives, and continuously striving to achieve excellent client experience and services.

#### FIELD DEPARTMENT MANAGER – OMAR SOSA

**Responsibilities** – The Field Department Manager is responsible for training and supervising the field services staff. Mr. Sosa will work with the Project Management team, to coordinate sample pick-up schedules and ensure proper sample transportation and documentation.

**Résumé** – Mr. Omar Sosa has ten years of experience at Babcock Labs. Mr. Sosa supervises the daily operations of the field staff and is experienced in the protocols of sampling, preservation, hold-times, maintenance of chain of custody records, and the proper documentation of the sample collection process. He performs various analytical tests in the field such as chlorine residual, pH, and temperature. Mr. Sosa was trained under the supervision of a seasoned field operations veteran with Water Distribution Operator and Water Treatment Operator training from AWWA and the State of

California. Mr. Sosa is well versed in the collection and transportation of drinking water samples for Safe Drinking Water Act (SDA) and California Title 22 Division of Drinking Water compliance.

#### CLIENT RELATIONS MANAGER – CATHLEEN IJIMA

**Responsibilities** – The Client Relation Manager serves as the Business Development point of contact and is responsible for transferring client project information between Business Development and Project Management. Ms. Iijima will work directly with the Project Manager, the Director of Client Experience, and the Chief Executive Officer (CEO) to promote proper communication regarding all aspects of the project.

**Résumé** – Ms. Cathleen Iijima holds a B.A. from the University of California, Riverside (UCR) and has over 36 years of experience in the environmental laboratory business working for Babcock Labs. Ms. Iijima oversees and assists in project coordination, develops and maintains functions of CRM and LIMS databases, and coordinates with field staff to set up sampling schedules. Ms. Iijima participates in Business Development, assisting staff with price quotations, marketing materials, as well as coordinating client training programs, such as Babcock Labs' UCMR 5 and Drinking Water Workshops. She is well versed in customer service and works with a variety of clients to successfully implement their projects.

#### CHIEF EXECUTIVE OFFICER – TIFFANY GOMEZ

**Responsibilities** – The Chief Executive Officer (CEO) is a Corporate Officer who is responsible for policy objectives and strategy for the operation and expansion of the business, including the development of operating budgets, sales and profitability targets, product development, quality assurance and the development and retention of customer relationships. Ms. Gomez will work with the Laboratory Director, the Director of Client Experience, and the Project Manager to ensure that all aspects of service are satisfactorily met.

**Résumé** – Ms. Gomez joined Babcock Laboratories, Inc. as Chief Financial Officer (CFO) in May 2014 and has over a decade of experience in business management, strategic planning, human resources, risk management, safety, finance, and accounting. She holds a Master of Science in Accountancy from Texas A&M University Commerce, and a Bachelor of Arts in Psychology from the University of California, Irvine. In January 2021, Ms. Gomez was promoted to Chief Executive Officer (CEO), adding to the responsibilities of President, which she assumed in July 2020. As President and CEO, she is the corporate officer responsible for translating the Company's vision and strategy into action. Ms. Gomez also serves on the Board of Directors. She provides leadership and knowledge critical to the success of Babcock Labs as an employee-owned company, motivating and training staff to understand the importance of their contribution and to "think like owners."

### EXECUTIVE VP AND INTERIM TECHNICAL DIRECTOR – ALLISON MACKENZIE

**Responsibilities** – As Interim Laboratory Director, Mr. Mackenzie is responsible for overseeing and advising on technical matters with regards to analytical testing and instrumentation for Babcock Laboratory, as well as for the promotion of a culture of quality, customer service, and timely delivery of laboratory services. She is particularly focused on operational efficiencies, equipment investment, and quality improvements that enhance the services Babcock Labs provides its clients.

**Résumé** – Ms. Allison Mackenzie holds a B.A. from the University of California, Riverside (UCR). She has over 43 years of experience in the environmental laboratory business working for Babcock Labs. Of those years, 23 were spent in the role of Vice President and General Manager and 8 were spent in analytical method development for both inorganic and organic determinations in drinking water and wastewater. She is an advocate for high ethical standards and quality in the testing industry, and currently serves as a member on the Environmental Laboratory Technical Advisory Committee (ELTAC) to the California State Water Boards' Environmental Laboratory Accreditation Program (CA ELAP).

## Key Personnel – Laboratory Management

### LABORATORY DIRECTOR – CAROLINE SANGARI

**Responsibilities** – As the Laboratory Director, Ms. Sangari provides strategic direction and guidance to corporate executive management and is responsible for the promotion of a culture of quality, customer service, and timely delivery of laboratory services. Ms. Sangari is particularly focused on operational efficiencies, equipment investment, and quality improvements that enhance the laboratory's services to its customers. Ms. Sangari will work with the Director of Client Experience, Project Manager, the Quality Assurance Manager, the Laboratory Managers, the CEO to ensure project success in regard to operational and technical quality, efficiency, and expertise.

**Résumé** – Ms. Caroline Sangari holds a B.S. degree from the University of Nevada, Las Vegas (UNLV). She has 21 years of laboratory experience, including time spent in the roles of customer service manager, lab manager, chemist, microbiologist, project manager, and analyst. Her experience managing client services personnel enables Babcock Labs to maintain focus on technical excellence on a daily basis.

### QUALITY ASSURANCE MANAGER – STACEY FRY

**Responsibilities** – The Quality Assurance Manager is responsible for maintaining the organization's Ethics and Data Integrity Program and providing Ethics training for all staff. She is also responsible for ensuring adherence to all company policies and procedures regarding QA document control, personnel training, corrective action, SOPs, internal audits, client complaints or inquiries, and performance testing. Additionally, Ms. Fry is responsible for overseeing new hire training of all staff. Ms. Fry will work with the

Laboratory Director, the Project Manager, and Laboratory Managers to ensure quality assurance and control.

**Résumé** – Ms. Stacey Fry received her B.S. from the University of California, Riverside (UCR). Ms. Fry has 27 years of experience in quality assurance/quality control, laboratory accreditation, ISO17025 Standards, conformity assessment, operations management, client project deliverables, and analytical methods. Her duties include overseeing the lab's Quality Assurance program including the Quality Systems and Management Systems, maintaining NELAP, ELAP and ISO 17025 certification and other certifications. She is an active member of the National Environmental Laboratory Accreditation Council (NELAC) Institute and serves on several subcommittees, including the Performance Testing Board Sub-committee and the NELAC Institute Quality Manual Template Committee.

#### INORGANICS DEPARTMENT MANAGER – JULIA SUDDS

**Responsibilities** – The Inorganics Department Manager is responsible for overseeing the daily operations of the Inorganics Department, which consists of wet chemistry, ion chromatography, and metals chemistry. Ms. Suds will work with the Laboratory Director, the Project Manager, the Quality Assurance Manager, and the Director of Client Experience to ensure that all project requirements concerning inorganic analyses are met.

**Résumé** – Ms. Julia Suds holds a B.A. degree from California State University, San Bernardino (CSUSB). She has 28 years of experience in laboratory operations supervision, quality assurance/quality control management, ISO 17025 Standards, internal/external audit and root cause analysis, employee development, and analytical methods.

#### ORGANICS DEPARTMENT MANAGER – VALERIE SIERZCHULA

**Responsibilities** – The Organics Department Manager is responsible for overseeing the daily operations of the Organics Department, which consists of semi-volatile and volatile organics analyses. Ms. Sierzchula will work with the Laboratory Director, the Project Manager, the Quality Assurance Manager, and the Director of Client Experience to ensure that all project requirements concerning organic analyses are met.

**Résumé** – Ms. Valerie Sierzchula holds a B.A. from California State University, Fullerton (CSUF). Ms. Sierzchula has 29 years of laboratory experience in operations management with an emphasis in volatile and semi-volatile organics analyses. Her skills include client data deliverables, quality control, and methods for the determination of trace organic constituents.

#### SENIOR CHEMIST – DAVID SCHIESSEL

**Responsibilities** – The Senior Organics Chemist is responsible for overseeing and performing UCMR 5 analyses for PFAS by Method 533 and Method 537.1.

**Résumé** – Mr. David Schiessel majored in Chemistry at California State Polytechnic University, Pomona (Cal Poly Pomona). He has 21 years of laboratory experience, most of which has been spent specifically in the field of environmental chemistry analysis.

Mr. Schiessel has recently developed analytical methods for UCMR 5 Organic methods as well as an online-SPE technique for perfluorinated organics. He has previously developed analytical techniques for pyrethroids by online SPE, emerging contaminants, and non-targeted analysis workflows. His recent accomplishments include successful completion of the demonstration of capability studies and performance testing for UCMR 5 EPA methods 533 and 537.1. He was instrumental in the successful analysis of hundreds of UCMR 3, and UCMR 4 sample analyses for EPA 522, 537, 539, 525.3, 544, 545, 531, and including testing for the EPA small systems contract.

## Organization Chart

Please see Appendix A to view the Organization Chart.

## PERSONNEL TRAINING

Babcock Labs conducts an extensive on-boarding process for all new employees, coordinating between Human Resources, the Quality Assurance Department, and the assigned employee manager. In addition to LIMS and HR policy training, employees must perform initial demonstrations of capability prior to performing analyses. All staff receive annual refresher training in various aspects of Quality Control and Quality Assurance practices, including Ethics training. These practices help ensure that Babcock Labs, through its professional staff, can be relied upon to produce data of known and properly documented quality.

## Scope of Work

Babcock Labs is qualified to perform the analysis, quality control, reporting, and electronic data deliverables (both to CDX and WaterTrax) for UCMR 5 and is well-equipped to provide responsive turn-around time and excellent customer service.

## LABORATORY CERTIFICATION

In addition to USEPA UCMR5 approval, Babcock Labs is accredited by CA ELAP under the State Water Resources Control Board and maintains NELAP accreditation through ORELAP.

## LABORATORY SERVICES

Amendments to the SDWA require that every five years, following the issuance of a new list of unregulated contaminants, public water systems (PWSs) throughout the country conduct monitoring under the UCMR. Babcock Laboratories, Inc. assists PWSs with their efforts to monitor and report the 30 unregulated contaminants for each iteration of the UCMR. Babcock



Laboratories, Inc. proposes to provide West Valley Water District with analytical services for the duration of the UCMR 5 monitoring period as the District provides data in support of the UCMR program.

The proposed UCMR 5 services to the District will conform to a series of processes and steps summarized below. The following outline is intended to provide a general overview. Many processes include a number of activities and steps not listed. Further detail may be found in the Babcock UCMR 5 Quality Assurance Plan.

### **Coordination and Communication between the Designated UCMR 5 District Project Manager (DPM) and the Babcock Labs Project Manager (BPM)**

The UCMR 5 BMP will oversee and have final responsibility for the following key steps:

- Project Kick-off Meeting (in-person or via conference call, depending on the DPM preference) with the BPM to confirm the District project requirements, expectations, and anticipated schedule.
- Preparation of all UCMR5 supplies required for sampling, including pre-printed sample labels and sampling instructions with detailed pre-preserved bottle guidance, under supervision of the Director of Customer Service.
- Coordination of UCMR5 delivery and pick-up at the District designated location under supervision of the Director of Client Experience.
- Sample receipt verification and entry into the laboratory database (LIMS) per UCMR5 compliant requirements under supervision of the Director of Client Experience.
- Monitoring of sample progress during the analytical phase to ensure client turn-around times and regulatory holding times are observed.

### **Laboratory Director Oversight**

The Laboratory Director will oversee, coordinate, and have final responsibility for the following key steps:

- Analysis of samples for the UCMR5 constituent lists via EPA approved methods conducted by qualified laboratory chemists and within regulatory holding times. Supervision will be provided by the Laboratory Department Managers.
- Review of laboratory data, including all quality control data, and entry into the LIMS. Supervision will be provided by the Laboratory Department Managers and the Quality Assurance Manager.

## Communication and Coordination of UCMR 5 Reporting and Electronic Data Deliverables under Direct Oversight and Supervision of the BPM

- Final review and approval of data for District access via Babcock web portal. Standard UCMR 5 turn-around time will be 15 business days.
- Hardcopy report and invoice generation for submission to the District. Supervision provided by BPM.
- Data entry into the USEPA Central Data Exchange (CDX) and final approval by the DPM.

## QUALITY ASSURANCE / QUALITY CONTROL

Babcock Laboratories' Quality Assurance Program (QAP) is modeled on the EPA requirements for UCMR, the EPA Lab Certification Manual for Drinking Water Laboratories and the lab standards of The NELAC Institute.

The program traces the path of samples throughout the lab and the workflow and responsibilities generated at each step from initial sample collection/pickup through final reporting, documentation, and record keeping. The policies and procedures established reflect our commitment to generate accurate, scientifically valid and legally defensible compliance data. Each employee in our organization is familiar with and responsible for implementation of the quality control policies of the laboratory. Management enforces quality practices throughout all areas of the company and across all staff through training, Standard Operating Procedures, method and system audits, and root-cause analysis.

## INTERNAL PROCEDURES FOR CUSTOMER SERVICE

### Laboratory Information Management System (LIMS)

Client project data and reports are maintained in the Laboratory Information Management System (LIMS) Babcock utilizes a highly flexible software system which is integrated with instrumentation, client relationship management (CRM), and accounting programs. Information entered into the LIMS allows for real time data queries by project, sample location, analytical parameter and/or date range.

### Babcock Laboratories' Concierge Portal for Online Results

Along with our highly automated LIMS, Babcock Labs also maintains a secure system for online access to reports, project status and invoices. Clients can easily access the Babcock Concierge portal through our website.

## INVOICING

Invoices which reference the laboratory work order and clearly identify the project, location, date, type, and quantity of services are provided at the time of sample report submittal. Terms are net 30 days.

## AUTHORIZATION

Tiffany Gomez, President & CEO of Babcock Laboratories, Inc., is authorized to bind the firm. This proposal is valid for 90 days from the date of submittal.

## INSURANCE

Babcock Labs carries California Worker’s Compensation, Commercial General Liability, Professional Liability, and Commercial Auto Liability and Property insurance, all of which meet or exceed the District’s requirement of \$1 Million coverage for each insurance type.

Certificates of insurance naming the District as additionally insured will be provided upon contract award.

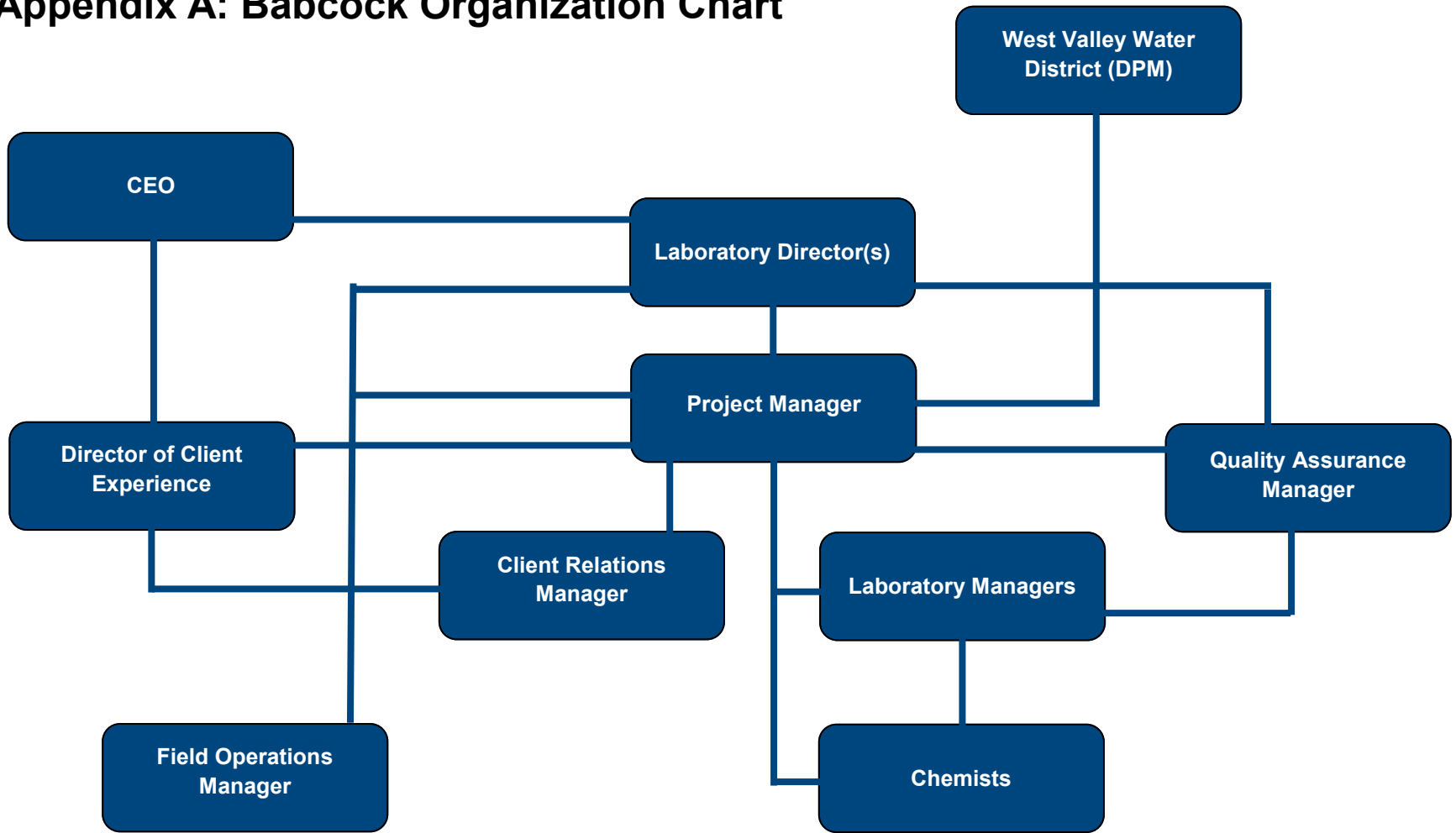
## Fee Proposal

Please see Appendix C for price and fee schedules.

## Appendices

<u>Babcock Laboratories Organizational Chart</u> .....	A
<u>USEPA UCMR 5 Approval Certification</u> .....	B
<u>Fee Schedle</u> .....	C
<u>Department of Industrial Relation Compliance</u> .....	D

# Appendix A: Babcock Organization Chart



**CEO:** Tiffany Gomez  
**Laboratory Director:** Caroline Sangari  
**Technical Director:** Allison Mackenzie  
**Project Manager:** Kayelani Marshall  
**Director of Client Services:** Urvashi Patel  
**Client Relations Manager:** Cathleen Iijima  
**Quality Assurance Manager:** Stacey Fry

**Laboratory Managers:** Julie Sudds and Valerie Sierzchula  
**Field Operations Supervisor:** Omar Sosa  
**Chemists:** Various

(Project Management and Accounting Assistant are support positions, not key positions, but help demonstrate workflow.)



United States Environmental Protection Agency  
 Office of Water  
 Office of Ground Water and Drinking Water  
 Standards and Risk Management Division  
 Technical Support Center  
 UCMR Laboratory Approval Program

Based on the review of submitted applications and successful participation in a Proficiency Testing (PT) Study for the fifth Unregulated Contaminant Monitoring Rule (UCMR 5), EPA has granted the status of "approved" for the method(s) listed below to the laboratory at the following address:

**Babcock Laboratories, Inc.**  
**P.O. Box 432**  
**Riverside, CA 92502**

The application and PT criteria are listed in the "UCMR 5 Laboratory Approval Manual, Version 2.0." Your laboratory is now "approved" to conduct UCMR 5 analyses using the following method(s):

**LabID:** CA00102

<b>Method Name</b>	<b>Status</b>	<b>Date</b>
EPA 200.7	Approved	9/17/2021
EPA 533	Approved	12/17/2021
EPA 537.1	Approved	9/17/2021

**End of Method List**

This information will be included in the list of UCMR 5 approved laboratories on our website. Your approval status will be maintained during UCMR 5 by continuing to meet the criteria given in the "UCMR 5 Laboratory Approval Manual, Version 2.0," and any revisions to the aforementioned document. Please be aware that you are only permitted to conduct UCMR 5 analyses using those methods for which you have EPA approval. Should you wish to comment on any of these determinations, please write to:

UCMR 5 Laboratory Approval Coordinator  
 USEPA, Technical Support Center  
 26 W. Martin Luther King Drive (MS 140)  
 Cincinnati, OH 45268  
[UCMR\\_Lab\\_Approval@epa.gov](mailto:UCMR_Lab_Approval@epa.gov)

Appedix "C"  
 West Valley Water District UCMR5 RFP  
 Babcock Laboratories Fee Proposal

Analysis Fees

Schedule	Category	Analyte	Method	Analysis Price	Reextract/Resample Price *	Number of Samples	Total Cost
Assesment Monitoring for all sampling events	Metals	Lithium	EPA 200.7	\$ 40.00	No Charge	24	\$ 960.00
	PFAS (25 analytes)	Various	EPA 533	\$ 250.00	No Charge	24	\$ 6,000.00
	PFAS (4 analytes)	Various	EPA 537.1	\$ 190.00	No Charge	24	\$ 4,560.00
	Field Blank Extract/Hold & Analysis (if needed)**	Various	EPA 533	\$ 150.00	No Charge	24	\$ 3,600.00
	Field Blank Extract/Hold & Analysis (if needed)**	Various	EPA 537.1	\$ 100.00	No Charge	24	\$ 2,400.00
Analysis Subtotal							\$ 17,520.00

Other Fees as Applicable

	Quantity	Price	Total Cost	
Sample Kits (cooler, prelabeled bottles, chain of custody forms)	24	\$ -	\$ -	Charge for Sample Kits is included in price given above
Sample Kit Delivery/Pick- Up Fee (Indicate which days and times pick ups would occur)	24	\$ -	\$ -	Pre-scheduled pick-up or delivery is included in prices given/ Days and schedule=TBD
Upload of Completed data into CDX/SDWARS		N/C		
			\$ -	
			\$ -	
			\$ -	

\*\* Field Blanks are required for Methods 533 and 537.1, for each sample. All field blanks would be extracted within holding times, however only analyzed if a positive hit detected on actual Field Sample. Price listed is for both the extract and hold, or analysis of each field blank if necessary.

\* Samples requiring reextraction or re-analysis may be subject to additional charges if the request is made by the District and the reason for the request is not because of failed quality control or other reason under the direct control of the laboratory. The limit for such a request would be 50% of the cost per test for reanalysis and the cost of analysis for a resample.

Other Fees Subtotal \$ -

Total Cost of UCMR5 \$ 17,520.00

## Contractor Information

## Registration History

**Legal Entity Name**  
BABCOCK LABORATORIES, INC.

**Legal Entity Type**  
Corporation

**Status**  
Active

**Registration Number**  
1000041205

**Registration effective date**  
7/1/2022

**Registration expiration date**  
6/30/2023

**Mailing Address**  
PO BOX 432 RIVERSIDE 92502 CA United States o...

**Physical Address**  
6100 QUAIL VALLEY COURT RIVERSIDE 92507 CA ...

**Email Address**

**Trade Name/DBA**  
EDWARD S. BABCOCK & SONS

**License Number(s)**  
Other:2698  
Other:4035-001

Effective Date	Expiration Date
6/27/2018	6/30/2019
8/11/2017	6/30/2018
8/4/2016	6/30/2017
7/1/2019	6/30/2020
7/1/2020	6/30/2021
7/1/2021	6/30/2022
7/1/2022	6/30/2023

## Legal Entity Information

**Corporation Number:**

**Federal Employment Identification Number:**

**President Name:**  
Tiffany Gomez

**Vice President Name:**  
Allison Mackenzie

**Treasurer Name:**  
Tiffany Gomez

**Secretary Name:**  
Allison Mackenzie

**CEO Name:**  
Tiffany Gomez

**Agent of Service Name:**  
Tiffany Gomez

**Agent of Service Mailing Address:**  
25486 Foxglove Lane Corona 92883 CA United States of America

## Workers Compensation

**Do you lease employees through Professional Employer Organization (PEO)?:**

No

Appendix D

**Please provide your current workers compensation insurance information below:**

PEO InformationName	PEO Phone	PEO Email

Insured by Carrier

**Policy Holder Name:**BABCOCK LABORATORIES, INC.**Insurance Carrier:**AmTrust

**Policy Number:**TWC 4065446**Inception date:**1/2/2022**Expiration Date:**1/2/2023



# EXHIBIT C

## Laboratories Approved by EPA to Support UCMR 5



EPA approved the following laboratories after they met the application requirements and Proficiency Testing (PT) criteria for the Laboratory Approval Program (LAP) supporting the fifth cycle of the Unregulated Contaminant Monitoring Rule (UCMR 5). These laboratories can analyze UCMR 5 samples using those methods marked with an “X” next to their names. This list is subject to change with updates that include additional approved laboratories that complete the LAP requirements prior to the August 1, 2022 deadline as well as the permanent removal of any laboratory that withdraws or subsequently fails to meet the method and program quality assurance/quality control (QA/QC) requirements.

Laboratory Information	Per- and Polyfluoroalkyl Substances (PFAS)		Lithium	Commercial Services
	EPA 533	EPA 537.1	EPA 200.7	
<b>Accurate Environmental, LLC</b> 505 South Lowry Stillwater, OK 74074 (405) 372-5300	X	X	X	X
<b>American Water Central Laboratory</b> 1115 South Illinois Street Belleville, IL 62220 (618) 235-3600	X	X	X	X
<b>Anatek Labs, Inc.</b> 1282 Alturas Drive Moscow, ID 83843 (208) 883-2839	X	X		X
<b>Babcock Laboratories, Inc.</b> P.O. Box 432 Riverside, CA 92502 (951) 653-3351	X	X	X	X
<b>Battelle Analytical Chemistry Services</b> 141 Longwater Drive, Suite 202 Norwell, MA 02061 (781) 681-5571		X		X
<b>BSK Associates, Fresno Analytical Laboratory</b> 1414 Stanislaus Street Fresno, CA 93706 (559) 497-2888	X	X	X	X
<b>City of Houston Drinking Water Regulatory Compla</b> 1770 Sidney Street Houston, TX 77023 (832) 395-6024	X		X	
<b>Eurofins Eaton Analytical, LLC</b> 110 South Hill Street South Bend, IN 46617 (574) 233-4777	X	X	X	X
<b>Eurofins Eaton Analytical, LLC - Monrovia</b> 750 Royal Oaks Drive, Suite 100 Monrovia, CA 91016 (626) 386-1100	X	X	X	X
<b>LCRA Environmental Laboratory Services</b> 3505 Montopolis Drive (Mail Stop EL-101) Austin, TX 78744 (512) 730-6022		X	X	X

Laboratory Information	Per- and Polyfluoroalkyl Substances (PFAS)		Lithium	Commercial Services
	EPA 533	EPA 537.1	EPA 200.7	
<b>McCampbell Analytical, Inc.</b> 1534 Willow Pass Road Pittsburg, CA 94565 (925) 252-9262	X	X	X	X
<b>Orange County Water District Philip L. Anthony Wa</b> 18700 Ward Street Fountain Valley, CA 92708 (714) 378-3200	X	X	X	
<b>Pace Analytical Services, LLC - Madisonville</b> 825 Industrial Road Madisonville, KY 42431 (270) 821-7375	X	X	X	X
<b>Pace Analytical Services, LLC - Ormond Beach</b> 8 East Tower Circle Ormond Beach, FL 32174 (386) 672-5668	X	X	X	X
<b>Pace Analytical Services, LLC - Peoria</b> 2231 West Altorfer Drive Peoria, IL 61615 (800) 752-6651			X	X
<b>Suffolk County Water Authority</b> 260 Motor Parkway Hauppauge, NY 11788 (631) 563-0259		X	X	
<b>Van De Water Treatment Plant</b> 3750 River Road Tonawanda, NY 14150 (716) 685-8576	X	X		
<b>Weck Laboratories, Inc.</b> 14859 Clark Avenue Industry, CA 91745 (626) 336-2139	X	X	X	X

End of List

Large public water systems (PWSs) are required to use laboratories approved by EPA to analyze their UCMR 5 samples (40 CFR 141.40(a)(4)(i)(H)). EPA will arrange for samples from small PWSs to be analyzed by approved laboratories under contract to the agency. Laboratory participation in the approval program is voluntary and is specific to laboratories analyzing samples for UCMR 5. The laboratories' approval status indicates they have demonstrated specific capabilities using the designated method(s).

Large PWSs are responsible for their UCMR 5 results and must ensure that their laboratories are following the methods and meeting the QA/QC criteria specified in UCMR 5. Laboratories must post sample analytical results and required QC data electronically via the Safe Drinking Water Accession and Review System (SDWARS) within 90 days of the sample collection date. EPA may revoke a laboratory's UCMR 5 approval status if the laboratory does not adhere to QA/QC procedures and criteria or fails to post data to SDWARS in a timely and accurate manner. If EPA revokes approval, the laboratory's name will no longer appear on this list. Once approval has been revoked, it cannot be reinstated during the UCMR 5 monitoring period.

Please send questions to: [UCMR\\_Lab\\_Approval@epa.gov](mailto:UCMR_Lab_Approval@epa.gov)

# EXHIBIT D

## Schedule | SDWARS

PWS ID	Fac ID	Fac Name	Fac Type	Water Type	SP ID	SP Name	SP Type	SE1	SE2	SE3	SE4
CA3610004	91801	Well 54	TP	GW	3610004045	EP #46 - Rialto Basin Well 54	EP	Jan 2023	Jul 2023		
CA3610004	91805	Roemer WTP	TP	SW	3610004036	EP #36 - 5-3 Reservoir	EP	Jan 2023	Apr 2023	Jul 2023	Oct 2023
CA3610004	91806	Well 4A	TP	GW	3610004043	EP #43 - Lytle Basin Well 4A	EP	Jan 2023	Jul 2023		
CA3610004	91807	Well 8A	TP	GW	3610004042	EP #42 - Lytle Basin Well 8A	EP	Jan 2023	Jul 2023		
CA3610004	91808	Well 24	TP	GW	3610004018	EP #18 - Rialto Basin Well 24	EP	Jan 2023	Jul 2023		
CA3610004	91809	Well 30	TP	GW	3610004024	EP #24 - 3A PS Bunker Hill Basin	EP	Jan 2023	Jul 2023		
CA3610004	91811	Well 33	TP	GW	3610004030	EP #33 - Rialto Basin Well 33	EP	Jan 2023	Jul 2023		
CA3610004	91812	Baseline Feeder	OT	GW	3610004812	Bunker Hill Basin - 9th St 48" Line (BFW)	EP	Jan 2023	Jul 2023		
CA3610004	91824	Well 42	TP	GW	3610004032	Riverside Basin - Well 42 IX Effluent	EP	Jan 2023	Jul 2023		
CA3610004	91826	Well 15	TP	GW	3610004010	Bunker Hill Basin Well 15	EP	Jan 2023	Jul 2023		
CA3610004	91827	Well 41	TP	GW	3610004031	Riverside Basin Well 41 IX Effluent	EP	Jan 2023	Jul 2023		



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** REQUEST FOR A 5-YARD DUMP TRUCK

---

**BACKGROUND:**

The Operations Department has budgeted for a new 5-yard dump truck in the Fiscal Year 2022/23 budget to replace a 13-year-old truck that requires frequent maintenance and costly modification to meet regulatory requirements. West Valley Water District ('District') currently operates two (2) 5-yard dump trucks and two (2) 2-yard dump trucks, all manufactured by International, which are shared by the five Operations Divisions. Bigger dump trucks are used for larger hauling jobs and towing trailers with large equipment such as backhoes, whereas the smaller trucks are used to haul more frequent smaller loads.

**DISCUSSION:**

On August 11, 2022, a Request for Bids (RFB) was issued and publicly advertised on PlanetBids for a new 2022, 2023 or 2024 5-yard International MV607 Dump Truck. Attached as **Exhibit A** is the RFB. Three (3) firms submitted bids for the dump truck. The three bids were as follows:

Transwest Truck Center LLC	<b>Western Truck Exchange</b>	RWC Group
2023 Ford F750 \$129,402.09	<b>2024 International MV607 \$136,297.55</b>	2024 International MV607 \$149,079.77

Transwest Truck submitted the lowest bid for a 2023 Ford F750, an equivalent of what the RFB called for. In the RFB documents, equivalents will be considered and may be accepted. District staff have not driven a dump truck manufactured by Ford before and requested a demo to test drive the dump truck. Transwest was unable to fulfill the request. District staff do not feel comfortable purchasing a dump truck without test driving it; therefore, District staff rejected the equivalent from Transwest Truck and recommend going with the next bidder, Western Truck Exchange, who submitted a bid for the specified truck at \$136,297.55.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Capital Budget with a budget of \$150,000.00.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to approve the purchase of a 5-yard dump truck from Western Truck Exchange in the amount of \$136,297.55.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ;jc

**ATTACHMENT(S):**

1. Exhibit A - RFB

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A





**REQUEST FOR BIDS (RFB)**  
**For New 2022/23/24 Five-Yard International MV 607 Dump Truck**

**INVITATION**

The West Valley Water District (“District”) is accepting bids from authorized distributors for the purchase of a New 2022/2023/2024 Five Yard International MV607 Dump Truck for the District.

No bids shall be submitted on Planet Bids (PB) after **5:00 p.m. on Thursday, August 25, 2022**. Late qualification documents will not be accepted.

During the RFB process, consultants shall direct all questions in Planet Bids. Responses to questions received four (4) days prior to the RFB deadline will not be available. If there is any revision to the RFB, an addendum will be issued on Planet Bids (PB) and made available to all firms receiving RFB documents. Furthermore, all inquiries, addendums, questions, requests will be facilitated solely through Planet Bids.

**BACKGROUND**

West Valley Water District (“District”) is a County Water District, a public agency of the State of California, organized and existing under the County Water District Law (Division 12, Section 30000 of the Water Code) of the State of California. The District serves water to over 20,000 connections within the Cities of Rialto, Fontana, Colton, Jurupa Valley (Riverside County) and to unincorporated areas of San Bernardino County. The District’s service area includes a large amount of undeveloped land which is described in various specific plans.

The District’s distribution system includes eight pressure zones which are divided into a northern and southern system with the City of Rialto serving the area in between. The system includes 72.61 million gallons of storage capacity, 12 booster pump stations, 17 active production wells, several treatment facilities and over 150 miles of transmission lines.

Water supplies include groundwater from District wells in 4 groundwater basins, from imported State Water Project water and Lytle Creek surface flows treated at the Oliver P. Roemer Water Filtration Facility, from water purchased through the Base Line Feeder pipeline and from groundwater treated at our new Groundwater Wellhead Treatment System.

**INTRODUCTION**

The District anticipates the need for a New 2022/2023/2024 Five Yard International MV607 Dump Truck. The equipment shall be new models and meet all minimum specifications. Any additions, deletions or variations from the following specifications contained in this bid must be noted or the bid will be rejected.

**SCHEDULE OF EVENTS**

- 8/11/2022 Issuance of Request for Bids
- 8/18/2022 Deadline for Written Questions
- 8/25/2022 Bids Due by 5:00 PM
- 10/6/2022 District Approval of Purchase Contract (est. date)

## **SPECIFICATIONS**

### **Bidder to review Exhibit A and answer all questions in spreadsheet and submit with Bid.**

All equipment parts shall be of sufficient strength, quality of material and workmanship to what is generally provided in the industry. It shall be bidder's obligation to respond to the bid specifications and to indicate whether or not the equipment it bids meets, or does not meet, each listed bid specification. For each deviation from the specifications, bidder may provide documentation, if any, of equivalence. Bidder should include any manufacturer's literature or specification sheets evidencing compliance with the specifications.

## **EQUIVALENTS**

Where, in the Bid documents, one certain kind, type, brand, technology or product manufacturer is named, it shall be regarded as the required standard of quality. It is not meant to exclude competition in any way. Similar equipment, products, or service, which are equal in quality, performance, and compatibility and equally adaptable for the intended purposes, as determined by the District and are submitted as specified in the bid documents, will be considered and may be accepted.

## **DELIVERY**

The equipment purchased as a result of this Bid solicitation shall be delivered to District Headquarters located at 855 W. Base Line Road in Rialto, California 92377. All responsibility, liability and cost associated with the delivery of the equipment shall be borne by the vendor.

## **WARRANTY**

Unless specified otherwise herein, Bidder will be required in the purchase contract to warrant that all the equipment furnished under the Contract will be free from defects in workmanship and conform to the requirements of the Contract as set forth in the Bid Specifications and to all warranties, representations, and literature furnished with Seller's bid hereunder. Seller will also be required to warrant the goods against all defects for at least twelve (12) months from the date of acceptance except where warranties of Seller's vendors or subcontractors are longer, in which case the longer warranty will apply, and Seller will be required to agree to repair or replace all defective items, parts or components under the warranty at no cost to the District. Under the contract, if the Seller fails or refuses to correct the defect, the District would be allowed to correct or repair the equipment and charge to the Seller the cost incurred to the District or obtain an equitable adjustment in the Contract price.

Any manufacturer's warranties that Seller receives applicable to the equipment or their parts, would survive the executed Contract and will run to the District and will not be deemed exclusive but in addition to any warranty provided by Seller under the Contract.

## **GENERAL REQUIREMENTS**

### **1. Bids**

Bids must be submitted online through Planet Bids. Contractors may obtain copies of the specifications through the District's Planet Bids (PB) electronic bidding system. Only bids submitted in electronic format through the District's PB site will be accepted. **Bids must be good for 60 Days after Due Date.**

## 2. Payment

Payments will be made to the Contractor in accordance with the provisions of the specifications within 30 Days after receipt of Vehicles.

## 3. Contractual Documents

Contractual Documents, including specifications, may be downloaded through the District's Planet Bids (PB) System.

### **EVALUATION PROCESS AND SELECTION CRITERIA**

The District's evaluation and selection process is based upon meeting all requirements listed in the specifications section. The district reserves the right to award project to the lowest responsible responsive bidder. The District reserves the right to revise or cancel, for any or no reason, in part or in its entirety, this RFB, including, but not limited to: selection schedule, submittal date, and submittal requirements. If the District cancels or revises the RFB, all proposers of record will be notified in writing by the Agency.



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** AGREEMENT WITH RITE-WAY ROOF CORPORATION FOR  
 RESERVOIR 2-1 ROOF REPLACEMENT AND ASBESTOS ABATEMENT  
 AND DISPOSAL

---

**BACKGROUND:**

Reservoir 2-1 located at 691 S. Eucalyptus in Rialto has been in operation since 1973. Since that time, the 49-year-old roof has not been replaced. District staff continues to repair problem areas each year. The roofing materials were tested for asbestos containing materials in November 2021. It was determined that the materials have an asbestos content that requires removal and abatement prior to replacement of the existing roof.

The project consists of removing and disposing of approximately 15,000 square feet of roofing materials and replacing the existing roof with a Thermoplastic Polyolefin Membrane, Johns Manville TPO 60-mil single-ply roof system. Attached as **Exhibit A** is the project summary.

**DISCUSSION:**

On July 18, 2022, a Request for Bids (“RFB”) was issued and publicly advertised on PlanetBids. Three (3) firms attended a pre-bid meeting and a job walk on August 10, 2022. Two (2) firms submitted bids to provide the specified services.

The two bids were as follows:

<b>Bidder</b>	<b>Bid Amount</b>
Rite-Way Roof Corporation	\$179,927.00
Danny Letner Inc	\$260,000.00

Based on the bid information received, District staff examined the 2 bids and found the lowest bid in the amount of \$179,927.00 submitted by Rite-Way Roof Corporation to be in conformance with the requirements of the project.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Capital Budget with a budget of \$398,800.00.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to authorize entering into an agreement with Rite-Way Roof Corporation in the amount of \$179,927.00 to replace the Reservoir 2-1 Roof.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:jc

**ATTACHMENT(S):**

1. Exhibit A - Project Summary

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A



## Reservoir 2-1 Roof Replacement and Asbestos Abatement and Disposal Project

### PROJECT INFORMATION:

The West Valley Water District (“District”) is seeking the services of a qualified, experienced contractor to furnish all labor, material and equipment, perform and complete all work required for the Reservoir 2-1 Roof Replacement and Asbestos Abatement and Disposal project.

### PROJECT DESCRIPTION

Reservoir 2-1 is a concrete water storage tank which has a storage capacity of 2 million gallons. This roof needs to be replaced completely. The materials tested positive for asbestos. Attached as **Attachment A** is the inspection report. This reservoir is within Rialto High School at 691 S Eucalyptus Avenue, Rialto, California.

The District seeks to hire a contractor to perform asbestos abatement and removal services and to replace the existing roof with a Thermoplastic Polyolefin Membrane, Johns Manville TPO 60-mil single-ply roof system. The exact scope and limits of work are the sole responsibility of the Contractor, who shall determine and verify all conditions, quantities, and situations adjoining the work and existing items.

It is the responsibility of the Contractor and/or prime trade to use trained personnel, proper personal protection and monitoring, wet methods, and compliant disposal of materials that might be impacted during this project.



### POTENTIAL ASBESTOS HAZARD:

Abatement Contractor is warned that unprotected exposure to asbestos fibers has been determined to significantly increase risk of incurring the following diseases: asbestosis, lung cancer, mesothelioma, and certain gastrointestinal cancers. Care must be taken to avoid releasing asbestos fibers into the atmosphere. Within Code of Federal Regulations, Title 29, Section 1926.1101 (abbreviated as 29 CFR 1926.1101), the Occupational Safety and Health



Administration has set standards for permissible exposure to airborne concentrations of asbestos fibers, methods of compliance, personal protective equipment, and other methods which must be utilized when working with, or in proximity to, asbestos. In executing the contract, the Abatement Contractor certifies that they shall comply with all parts of this regulation, as well as any more stringent requirements as specified in this specification.

Abatement Contractor shall presume that detectable levels of asbestos are present in all existing installed surfaces, unless objective information to the contrary is provided by the Owner, Owner's Representative, or Owner's Consultant. The Abatement Contractor shall be responsible for conforming with all applicable California Occupational Safety and Health Administration (Cal/OSHA) Worker Protection and California Environmental Protection Agency (Cal/EPA) Environmental Protection requirements pertaining to asbestos as applicable to the Abatement Contractor's work.

## **SCOPE OF WORK**

### ASBESTOS ABATEMENT AND DISPOSAL

Contractor will follow the applicable abatement procedures for the materials listed below. Where conflict of requirements with these specifications exists, the more stringent requirements shall apply.

Asbestos Material Removal: This Contract covers the furnishing of all labor and materials and proper disposal required for removing the following asbestos- containing materials:

- Roof Penetration Mastic: The roof penetration mastic located throughout the rooftop at seams, patched areas, penetration, jacks, hatches and flashing was identified as an asbestos-containing material. Abatement Contractor is to remove material as required by West Valley Water District. Estimated quantity of this material is 40 square feet.
- Upon approval of the work area, the attending certified asbestos professional will conduct final visual clearance inspections.

### ROOF REPLACEMENT

Removal and disposal of any other roofing materials.

Provide a complete roof system of Johns Manville TPO 60-mil single-ply roof system. Attached as **Attachments B and C** are the as-built drawings and specifications.

## **INSPECTIONS**

During the roofing system installation, 5 digital photos shall be taken daily of the work progress. The photos shall be forwarded to the District daily with a brief caption of the roofing area being installed and the products being used.

After the roof installation is complete, the manufacturer shall inspect the work and inform (by written report) the design professional, contractor, and the installer of defective/incomplete work

to be remedied. Those areas indicated shall be corrected to the full satisfaction of the Manufacturer and the District. The manufacturer shall submit written acceptance of the project to the District to issuance of the weather-tightness warranty.

### **PROCEDURES TO FOLLOW**

Provide safe public/employee access to all sidewalks and public parking lots surrounding the structure while work is in progress.

Ensure that all personnel are properly trained and possess current asbestos certifications according to Title 8 CCR 1529 and 29 CFR 1926.1101.

Properly isolate and establish work area(s) as required by Cal/OSHA and South Coast Air Quality Management District regulations. Use 6-mil polyethylene sheeting to isolate work areas. If separation of the foam from the underlying material is not possible, full containment of the structure will be required to control the material during removal activity.

Establish a decontamination unit commensurate to the Class of asbestos abatement work being performed.

Ensure all personnel are equipped with the required personal protective equipment (PPE) as prescribed Title 8, California Code of Regulations and 29 Series Code of Federal Regulations.

Approved personal fall arrest, personal fall restraint or positioning system shall be worn by employees as required by Cal/OSHA regulation.

Emergency PPE and a suitable respirator shall be available at the entrance to the work area.

Clean all surfaces within work area according to Title 8 CCR 1529, 29 CFR 1926.1101 and Title 8 CCR 1532.1.

Properly package and dispose of all materials according to current governing regulations.

Place all properly packaged waste materials into a lockable container when removed from the work area. Ensure that the waste container is properly placarded and secured.

Once the asbestos abatement activities have been completed, the on-site hygienist will conduct final visual clearance inspection or final air sampling if full containment is utilized.

Upon receipt of clearance, the Contractor will remove all equipment and polyethylene sheeting.

Properly manifest all waste materials and remove lockable container(s) from site following completion of work.

### **DETAILED WORK PLAN (to be provided to the District prior to job start)**

Protective Equipment: Specifying protective equipment (respiratory, body protection and fall protection).

Layout and Locate on a drawing for each phase of work:

Decontamination: Decontamination areas.

Work Area: Work area location, waste-out area, location of equipment staging area.

Waste Bin: Location of waste bins.

Document for each phase of work:

Containment: Containment construction and methods.

Disposal: Disposal plans to include transporter and landfill name.

Removal Methods: Removal methods to prohibit visible emissions. Specific techniques/procedures for each material to be removed.

Air monitoring firm/lab: For conducting/analysis of personal samples.

Levels of respiratory protection: Provide levels of respiratory protection for each type of removal (e.g., wall materials, thermal system insulation).

Equipment: Equipment assigned to the project.

### **INTERRUPTION OF SERVICES**

Interruptions to any services for the purposes of making or breaking a connection shall be made only after consulting with the District and shall be at such time and of such duration as may be directed.

### **SEQUENCE OF CONSTRUCTION OPERATIONS**

Before starting construction operations, Contractor shall confer with the District arrange the sequence of the construction operations.

### **HOURS OF WORK**

Contractor shall submit an approved work schedule prior to starting related work.

### **TEMPORARY FACILITIES**

Contractor shall furnish and maintain portable toilet facilities. Toilet facilities shall be in compliance with all applicable local, state, and federal requirement.

### **WARRANTY**

Upon completion of the work, provide the Manufacturer's written and signed limited labor and

materials warranty, warranting that, if a leak develops in the roof during the term of the warranty, either to defective material or defective workmanship by the installing contractor, the manufacturer shall provide the District, at the Manufacturer's expense, with the labor and material necessary to return the defective area to a watertight condition.

1. Warranty Period:
  - a. 10 years from date of acceptance plus required inspections by manufacturer.

Installer is to guarantee all work against defects in materials and workmanship of a period indicated following final acceptance of work.

1. Warranty Period:
  - a. 5 years from date of acceptance.

### **EVALUATION PROCESS AND SELECTION CRITERIA**

The District's evaluation and selection process is based upon meeting all requirements listed in the scope of work. to the District. **The district reserves the right to award project to the lowest responsible responsive bidder.**

### **ATTACHMENTS**

Attachment A – Report of Lab Analysis performed by Executive Environmental Health & Safety Simplified

Attachment B – Reservoir 2-1 As-built Drawings

Attachment C – TPO Specifications

# ATTACHMENT A



# LA Testing

520 Mission Street South Pasadena, CA 91030  
 Tel/Fax: (323) 254-9960 / (323) 254-9982  
<http://www.LATesting.com> / [pasadenalab@lateesting.com](mailto:pasadenalab@lateesting.com)

**7.7.a**

**LA Testing Order:** 322120875  
**Customer ID:** 32EXEC52  
**Customer PO:**  
**Project ID:**

**Attention:** Yesenia Galeana  
 Executive Environmental Services Corp.  
 310 East Foothill Blvd.  
 Suite 200  
 Arcadia, CA 91006  
**Project:** 21-20219-0155 / Sampler: Matt Barna

**Phone:** (626) 441-7050  
**Fax:** (626) 441-0016  
**Received Date:** 11/11/2021 12:45 PM  
**Analysis Date:** 11/11/2021 - 11/12/2021  
**Collected Date:** 11/11/2021

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Appearance	Non-Asbestos		Asbestos
		% Fibrous	% Non-Fibrous	% Type
2111110155MB-1-A <small>322120875-0001</small>	White/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
2111110155MB-1-B <small>322120875-0001A</small>	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
2111110155MB-1-C <small>322120875-0001B</small>	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-1-D <small>322120875-0001C</small>	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-2-A <small>322120875-0002</small>	White/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
2111110155MB-2-B <small>322120875-0002A</small>	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
2111110155MB-2-C <small>322120875-0002B</small>	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-2-D <small>322120875-0002C</small>	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-3-A <small>322120875-0003</small>	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
2111110155MB-3-B <small>322120875-0003A</small>	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
2111110155MB-3-C <small>322120875-0003B</small>	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-3-D <small>322120875-0003C</small>	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-4-A <small>322120875-0004</small> Mastic QC'd	Gray/Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
2111110155MB-4-B <small>322120875-0004A</small>	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
2111110155MB-4-C <small>322120875-0004B</small>	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 11/12/2021 11:17:09



# LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / [pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 322120875

Customer ID: 32EXEC52

Customer PO:

Project ID:

7.7.a

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Appearance	Non-Asbestos		Asbestos
		% Fibrous	% Non-Fibrous	% Type
2111110155MB-5-A  322120875-0005 Mastic QC'd	Gray/Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
2111110155MB-5-B  322120875-0005A	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2111110155MB-6  322120875-0006 Mastic QC	Gray/Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile

Analyst(s)

James Siepler (13)

Nahid Motamedi (5)

Jerry Drapala Ph.D, Laboratory Manager  
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 11/12/2021 11:17:09



Industrial Hygiene Laboratory Submittal  
Asbestos -- PLM

Originating Office

310 E. Foothill Blvd., Suite 200  
Arcadia, CA 91006  
Phone: 626.441.7050  
Fax: 626.441.0016

Lab Submitted to:

AmeriSci  
 EMLab (Glendale)  
 LA Testing

Routine  
(5 Working Days)

RUSH (surcharges may apply)  
Circle One 6 hours 24 hours 48 hours 3 to 5 days

Project #: 21-20219-0155

Sampled by: Matt Barna

Site Zip Code: 92376

Sample Date: 11/11/21

Page 1 of 1

The receiving Laboratory is required to complete the following:

- All invoices are to be sent to: 310 E. Foothill Blvd., Suite 200, Arcadia, CA 91006 with a copy of the lab report.
- Analyze all samples by PLM by EPA 600/R-93/116.
- Stop analysis of homogeneous groups at first positive that is greater than or equal to 1.0% - MB

Building Name: Reservoir (2-1 Roof)

- All lab reports and invoices are to contain the Project Number from above.
- Unsigned and reports marked draft are unacceptable.
- Report to the attention of: Yesenia Galeana, Phone: (562) 889-1327

Optional Items to be completed by the laboratory (if check marked):

US Mail Report to:  Originating office check marked above  Other:  Email Report to:  Info@execenv.com  Other: ygaleana@execenv.com;  Alternate billing address:

Sample No.:	Sample Location - Include Room information where appropriate	Material Description	Homogeneous Location	No.	Quantity	Percent Damaged
-1	Roof NW	Roof Core	Reservoir (2-1 Roof)	1	15,000 SF	0
-2	E	(on concrete)				
-3	SW					
-4	Roof NW Hatch	Roof Mastic	Reservoir (2-1 Roof)	2	40 SF	0
-5	SE Hatch		Roof Jacks, Hatches, and Flashings in some Areas			
-6	SW Roof Jack					

Prefix: 21111015510

Notes:

Released By, Date, & Time: 11/11/21 Matt Barna 12:40pm  
Received By, Date, & Time: Amazon (MB) 11/11/2021 1245  
Released By, Date, & Time:



# ATTACHMENT B



# ATTACHMENT C

### Meets or exceeds the requirements of ASTM D 6878

#### Features and Components

**Thickness Over Scrim:** Optimized and tested on a continual basis with a state-of-the-art thickness gauge to verify that the thickness valued by our customers is incorporated into the sheet.

**One of the Widest Melt Windows:** Promotes better welds over a wider variety of speeds and temperatures, and leads to a softer, more flexible and workable sheet.

**Reinforced fabric scrim layer and top-ply thickness:** Lends to durable physical properties including:

- Long-term weathering, UV resistance and heat-aging properties
- High breaking and tearing strength

**Optimized TPO formulation:** delivers high-performance ozone resistance, cool roof reflectivity and overall weather resistance.



Component

**M**  
Membrane

Single Ply

#### Colors

Grey*	White	Tan*
-------	-------	------

\*Grey and Tan lead times are subject to availability and may require an upcharge for smaller projects.

**System Compatibility** This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS			
	HA	CA	HW	HA	CA	HW	SA	MF
Do not use with multi-ply systems								

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
Compatible with the selected single ply systems above										

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

#### Energy and the Environment

	Standard	Reflectivity	Emissivity
CRRC®	White	Initial	0.77
		3 Yr. Aged	0.70
	Tan	Initial	0.67
		3 Yr. Aged	0.62
	Gray	Initial	0.35
		3 Yr. Aged	0.34
CA Title 24	White	Pass	0.77
	Tan	Pass 3 Yr. Aged	SRI=75
LEED® (SRI)	White	Initial	95
		3 Yr. Aged	85
	Tan	Initial	81
		3 Yr. Aged	75
	Gray	Initial	39
		3 Yr. Aged	37
Recycled Content	Post-consumer	0%	
	Post-industrial	5%	

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

#### Peak Advantage® Guarantee Information

Product	Guarantee Term
JM TPO 60 mil	5, 10, 15, or 20 years

#### Installation/Application



Refer to JM TPO application guides and detail drawings for instructions.

#### Packaging and Dimensions

Roll Widths	5' (1.52 m)	6' (1.83 m)	8' (2.44 m)	10' (3.05 m)	12' (3.66 m)
Roll Lengths	100' (30.48 m)				
Roll Coverage	500 ft² (46.45 m²)	600 ft² (55.74 m²)	800 ft² (74.32 m²)	1000 ft² (92.90 m²)	1200 ft² (111.5 m²)
Rolls per Pallet	8				
Pallet Weight	1424 lb (645.9 kg)	1728 lb (783.8 kg)	2320 lb (1052.3 kg)	2856 lb (1295.5 kg)	3440 lb (1560.4 kg)
Pallets per Truck*	28-32	22-26	18-20	12-16	12-14
Producing Location	Scottsboro, AL				

\*Assumes 48' flatbed truck and does not reflect pallets of accessories or impact of mixed sizes.

#### Codes and Approvals



### Meets or exceeds the requirements of ASTM D 6878 Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6878 (Min.)	JM TPO – 60 mil	
				MD*	XMD**
Strength	Breaking Strength, min, lbf (N)	D 751	220 (976)	411 (1,828)	388 (1,726)
	Elongation at Break, min %	D 751	15	27	27
	Tearing Strength, min, lbf (N)	D 751	45 (200)	92 (409)	178 (792)
	Factory Seam Strength, min, lbf (N)	D 751	66 (290)	112 (498)	
Longevity	Thickness, min, in.	D 751	+/- 10% from Nominal	0.060 (Nominal)	
	Thickness Over Scrim, min, in. (mm)	D 7635	0.015	0.027 (0.686)	
	Water Absorption, max, %	D 471	3.0	0.11	
	Brittleness Point, max, -40°F	D 2137	No Cracks	Pass	
	Ozone Resistance	D1149	No Cracks	Pass	
Heat Aged Performance	Properties after Heat Aging @ 240°F	D 573	Pass/Fail	Pass	
	Breaking Strength, % (after aging)	D 751	90	>90	>90
	Elongation, % (after aging)	D 751	90	>90	>90
	Tearing Strength, % (after aging)	D 751	60	>60	>60
	Weight Change, max, % (after aging)	D 751	±1.0	0.19	
	Linear Dimensional Change, max, % (after 6 hrs @ 158°F)	D 1204	±1.0	<0.1	
Weather Performance	Accelerated Weathering, min	G 151 & G 155	10,080 kJ/m <sup>2</sup> •nm @ 340 nm (4,000 hrs @ 0.70 W)	>20,160 kJ/m <sup>2</sup> (>8,000 hrs)	
	Cracking (@ 7x magnification)	G 155	No Cracks	Pass	

\*MD = Machine Direction \*\*XMD = Cross-Machine Direction Note: All data represents tested values.

### Supplemental Testing

Physical Properties	ASTM Test Method	Standard for ASTM D 6878 (Min.)	JM TPO – 60 mil Result
Dynamic Puncture	D 5635	N/A	Pass @ 25 Joules
Static Puncture	D 5602	N/A	Pass @ 44 lb (20 kg)
Impact Resistance of Bituminous Roofing Systems	D 3746	N/A	Pass - minor indentations
Reflectance	C 1549	N/A	78%
	E 903	N/A	80%
Emittance	C 1371	N/A	0.87
	E 408	N/A	0.96
SRI	E 1980	N/A	95
Resistance of Synthetic Polymer Material to Fungi	G 21	N/A	0 rating
Puncture Resistance (FTMS 101C, Method 2031)	N/A	N/A	371 lb (168 kg)
Moisture Vapor Transmission	E 96	N/A	0 g/m <sup>2</sup> per 24 hours
Hydrostatic Resistance, Mullen	D 751	N/A	474 PSI (3268 kPa)
Standard Test Method for Air Permeance of Building Materials	E 2178	N/A	Pass @ <0.0005 L/(s•m <sup>2</sup> ) (Pass @ <0.0001 CFM/ft <sup>2</sup> )

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at [www.jm.com/](http://www.jm.com/) roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions).



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** VARIABLE FREQUENCY DRIVE (VFD) FOR THE SOUTH WELL AT EAST COMPLEX

---

**BACKGROUND:**

West Valley Water District (District) has an agreement with the City of Rialto, Riverside Highland Water Company, and San Bernardino Valley Municipal Water District for the construction, operations and maintenance of the Baseline Feeder (BLF) system. The District is the operator of the BLF system and is responsible for operations and maintenance of the BLF facilities including the BLF well sites and pipelines. The BLF South Well at the East Complex is beginning to experience diminished groundwater levels similar to what the BLF North Well experienced a year ago. The solution chosen by the BLF Committee for the North Well then was to install a variable frequency drive (VFD) to allow the output of the well to be adjustable. This approach avoids a permanent pump modification to a lower flow and allows the flow to be increased again when groundwater levels recover in the future.

The BLF committee recently equipped the East Complex with a Tesla battery backup system. The VFD retrofit on the BLF South Well will also prevent in-rush current and enhance the well's compatibility with the new battery system.

**DISCUSSION:**

The BLF Committee decided to move forward with this project using the same make and model of VFD and to move forward with the project using the same contractor to furnish and install the VFD based on the difficulty of the installation, the contractor's experience, and at the time Tess Electric installed a VFD for the BLF North Well. The total net cost, less inbound freight, for a 450 HP VFD from Tess Electric is \$36,164.00. Attached as **Exhibit A** is the quote. Staff is recommending the work be awarded to Tess Electric in the amount of \$42,000, to account for performance bond costs and a slight contingency for unforeseens.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Operating budget and will be funded from project number GL 100-5210-540-5614 with a budget of \$220,500.00. The total cost of the VFD will be shared among member agencies in accordance with the Baseline Feeder Agreement.

**STAFF RECOMMENDATION:**

Staff recommends that the Board to approve the purchase and installation of the VFD in the amount not-to-exceed \$42,000.00 with Tess Electric.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:jc

**ATTACHMENT(S):**

1. Exhibit A - Quote

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A

---



1

# Tess Electric Inc.

12142 Severn Way, Riverside, Ca 92503  
Phone 951-427-1735  
Lic. 1057586

From: Gregory Beebe  
Greg@tesselectricsocal.com

Quote Number# 0000137A

August 31, 2022

To: West Valley Water District  
Attn: Joe Schaack, jschaack@wwwd.org

## Project: 450HP South Well, 9<sup>th</sup> St., VFD Retrofit Revised Quote

Tess Electric is pleased to offer the following quote to supply and install a Toshiba 450HP, AS3 series variable frequency drive into the existing South Well Control Section located on 9<sup>th</sup> St. in San Bernardino.

The existing soft starter and contactor assemblies will be removed (WVWD to decide of disposal). The Toshiba drive will be installed similar to the North Well. Cooling fans will be added along with the VFD keypad and manual speed pot.

Includes start up assistance and operator training.

The drive is currently on back order and expected to arrive at the factory the end of December 2022. It is recommended that the order for the drive be placed soon in order to secure the drive when it arrives.

Total Net Cost (less inbound freight)..... \$ 36,164.00

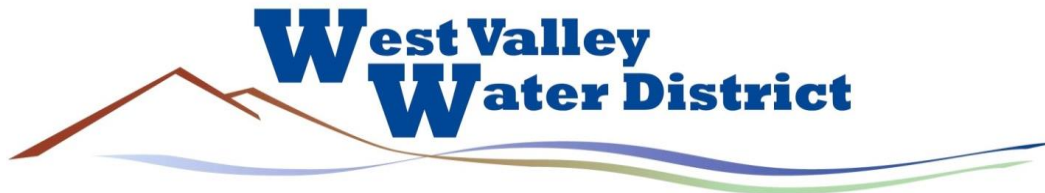
**\*\*\*Shipping Pre-Paid & Add\*\*\***

**EXCLUSIONS:**

- 1) Permits.
- 2) Performance Bonds.

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. Quote valid for 30 days. This quote is for a prevailing wage project and all employees of Tess Electric employees shall receive the set prevailing wage compensation per DIR standards.

Sales tax is additional if applicable. Prices are good for 30 days, subject to change without notice. Please note that this is not an offer to contract, but merely a quotation of current prices for your convenience and information. Orders based on this quotation are subject to our acceptance on the terms and conditions stated in our written acknowledgement of order. We make no representations with respect to compliance with job specifications.



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** PREVENTIVE MAINTENANCE CONTRACT WITH SUEZ FOR THE TOTAL ORGANIC CARBON ONLINE ANALYZER AT THE FLUIDIZED BED BIOLOGICAL REACTOR WATER TREATMENT PLANT (FBR)

---

**BACKGROUND:**

District staff has identified a need for a one-year preventive maintenance (PM) contract with Suez for the Total Organic Carbon (TOC) online analyzer at the FBR. When raw water is chlorinated in the disinfection process, disinfectant such as chlorine can react with the organics, and form potential carcinogens, known as disinfection by products (DBP). Controlling organic carbon prior to disinfection can significantly decrease DBPs in the water system. The current TOC online analyzer is manufactured by Suez Water Technologies & Solutions Analytical Instruments (Suez) and customers with PM contracts are entitled to a 10% discount on repair parts and/or labor during the PM validity period.

**DISCUSSION:**

Suez is the sole manufacture of Sievers products, repair and replacement parts, consumables, and maintenance. No other representative in the United States is authorized to sell Suez's products. Use of a third-party maintenance provider may null and void warranty. Attached as **Exhibit A** is the Sole Source Letter. The total cost for the annual contract is \$6,634.00. Attached as **Exhibit B** is the quote.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from Account Number 100-5350-525-5340 titled "Professional Services / Other Consultants" with a budget of \$105,975.00. The cost will be reimbursed by Raytheon Technologies.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to issue a Purchase Order in the amount not to exceed \$7,000.00 for a one-year PM contract with Suez.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:jc

**ATTACHMENT(S):**

1. Exhibit A - Sole Source Letter
2. Exhibit B - Quote

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A



Water Technologies & Solutions  
Analytical Instruments

Date: January 11, 2022  
Subject: Sole Source Letter

Dear SUEZ WTS Customer:

SUEZ WTS Analytical Instruments Inc. is the sole manufacture of Sievers products, OEM repair/replacement parts, consumables, including Sievers certified reference materials and vials, repairs, and maintenance.

No other representative in the United States is authorized to sell OEM products, provide SUEZ WTS certified repair, OEM replacement parts, SUEZ WTS certified maintenance or field services, and SUEZ WTS authorized technical support.

Use of a third-party maintenance provider may null and void warranty. If a third-party is unable to complete any repair, for SUEZ to provide technical support, warranty, or repair, your instrument must be returned to the original condition using Sievers certified reference materials and vials, OEM replacement parts and consumables, and SUEZ WTS certified repair.

Sincerely,

A handwritten signature in blue ink that reads "Erin England".

Erin England  
Global Aftermarket Sales Director  
720- 622-0193

6060 Spine Road, Boulder, CO 80301 USA – Tel: +303 444 2009 – [www.sieversinstruments.com](http://www.sieversinstruments.com)

# EXHIBIT B



SUEZ WTS Analytical Instruments, Inc.  
6060 Spine Road  
Boulder, CO 80301, United States  
T 1 (303) 444-2009

## Quotation

<b>WEST VALLEY WATER DISTRICT</b>	Date:	Friday, August 19, 2022
Sergio Granda	Quote Number :	SER-00065179-21-3
Rialto, CALIFORNIA	Payment Terms:	Net 30, Subject to Credit Approval
UNITED STATES	Delivery Terms:	Ex Works, Boulder, CO USA
Phone : +1 (909) 543-8979	Expiration Date:	Saturday, December 31, 2022
	Currency:	USD

**Page 1 of 6**

	Product Number	Unit Price	Qty	Ext. Price
<b>2 visit PM / Certified Engineer on site for Calibration / Yearly Consumables / Freeing time for other projects / 10% discount on parts, repair &amp; labor / Hazmat / Shipping and Handling</b>				
<b>Two Visit PM SP MUNI/SEMI - M-Series</b>	<b>SER 77032-01</b>	<b>4,989.00</b>	<b>1</b>	<b>4,989.00</b>
This service is designed specifically for our Municipal Water, Electronics and Semiconductor customers using the M-Series models. The two visit PM includes all required Yearly Consumables: reagents, pump tubing, uv lamp(s), resin bed. Calibration and Verification standards are also included during the annual and semiannual on-site Calibration visit. Travel expenses for Suez WTSA analytical Instruments personnel included. PM customers are entitled to a 10% discount on repair parts and or labor during the PM validity period. This service may require add-on products as needed for instrument configuration.				
<b>Sub-Total USD :</b>				<b>4,989.00</b>
<b>2 EXTRA Acids outside of your PM/ ICR PM is purchased each year. The ICR PM is required to maintain ICR health, ensure accurate analysis, as well as preventing excess CO2 from exceeding your TOC's calibration curve.</b>				
<b>Add-On - M5310 C ICR, Open Degasser</b>	<b>SER 77044-01</b>	<b>645.00</b>	<b>1</b>	<b>645.00</b>
This service includes replacement of the ICR open degasser once every 2 years. A verification check is performed annually, assuring ICR functionality. This product is only sold in conjunction with an analyzer Preventive Maintenance service. In the event that repair services are required during the validity period, the associated accessory is also entitled to a 10% discount on labor and/or parts.				
<b>Acid Cartridge</b>	<b>APF 90310-02</b>	<b>500.00</b>	<b>2</b>	<b>1,000.00</b>
Acid reagent (phosphoric acid) cartridge for Sievers M-Series, 900, 5310 C, and 800 Series. Replacement recommended after 6 months.				
<b>Sub-Total USD:</b>				<b>1,645.00</b>

Please refer to SER-00065179-21 on your purchase order and email to [Sievers.customercare.wts@suez.com](mailto:Sievers.customercare.wts@suez.com)  
Standard Terms and Conditions apply. Warranty valid in UNITED STATES only.

SUEZ WTS Analytical Instruments Inc.



**Quotation****WEST VALLEY WATER DISTRICT**

Sergio Granda

Rialto, CALIFORNIA

UNITED STATES

Phone : +1 (909) 543-8979

Date: Friday, August 19, 2022

Quote Number : SER-00065179-21-3

Payment Terms: Net 30, Subject to Credit Approval

Delivery Terms: Ex Works, Boulder, CO USA

Expiration Date: Saturday, December 31, 2022

Currency: USD

Page 2 of 6

Product Number	Unit Price	Qty	Ext. Price
----------------	------------	-----	------------

**Grand Total USD :****6,634.00****Important Information**

TOC M5310C: 1407-0256 OL/ ICR

2 visit PM dates: 11/31/22 - 11/30/23

Current lead time for scheduling a visit with a Field Service Engineer (FSE) is 6-8 weeks

Service invoiced in Full, time of first visit/shipment.

Parts, repair &amp; labor can be billable outside of PM.

TOC in use/working condition upon FSE arrival.

Please submit your PO by 9/28/22 ( 2 months prior to next service date) to secure dates/avoid service gaps. Failure to submit PO by this date may result in an add 'l fee to expedite scheduling.

**PO REQUIREMENTS:****\*\*MUST INCLUDE ALL 3 items below**

-Physical Billing Address

-Consumables Shipment Address

-Quote # OR instrument SN# (s)

Email PO to

SUEZ WTS Analytical Instruments, Inc.

6060 Spine Rd, Boulder, CO 80301

1-800-291-6455

All PO's: sievers.customercare.wts@suez.com

Copy renewal PO: tamara.shafer@suez.com

-----  
2 Visit PM \*FBR WTP

Please refer to SER-00065179-21 on your purchase order and email to Sievers.customercare.wts@suez.com  
Standard Terms and Conditions apply. Warranty valid in UNITED STATES only.

SUEZ WTS Analytical Instruments Inc.

## Quotation

**WEST VALLEY WATER DISTRICT**

Sergio Granda

Rialto, CALIFORNIA

UNITED STATES

Phone : +1 (909) 543-8979

Date: Friday, August 19, 2022

Quote Number : SER-00065179-21-3

Payment Terms: Net 30, Subject to Credit Approval

Delivery Terms: Ex Works, Boulder, CO USA

Expiration Date: Saturday, December 31, 2022

Currency: USD

Page 3 of 6

Product Number	Unit Price	Qty	Ext. Price
<p>DUE 11/31/22</p> <p>Annual PM - ON SITE</p> <p>- 5 ppm Cal - FSE replaces acid / 300 ml oxidizer / lamp / resin bed / pump tubing &amp; Cal Std</p> <p>- ICR with Open Degasser PM * ICR Degasser replaced this yr</p> <p>- 300 ml Oxidizer ship, Customer install @ 3 months</p> <p>- Qty 1, EXTRA acid for customer install/stock</p> <p>** Free upgrade 300 ml oxidizer x 4, included</p>			
<p>5/31/23</p> <p>6 Month - ON SITE</p> <p>- 2 ppm Ver, FSE replaces acid, 300 ml oxidizer, lamp &amp; Ver Std</p> <p>If calibration required, your shipment will also include 5 ppm calibration standards</p> <p>- 300 ml Oxidizer ship, Customer installation @ 9 months</p> <p>- Qty 1, EXTRA acid for customer install/stock</p>			
<p>Shipments/scheduling</p> <p>1st contact: Sergio Granda</p> <p>2nd: Lance Drake</p>			
<p>-----</p> <p>On Line TOC's can require:</p> <ul style="list-style-type: none"> <li>- Extra Acids ( purchased outside of PM)</li> <li>- FREE upgrade from 150 - 300 ml oxidizer, can apply</li> </ul>			
<p>Added to your PM renewal.</p>			
<p>Site access is the customer's responsibility. Add 'l requirements: training, testing or fee's to gain on site access can be billable</p>			
<p>PM benefits</p> <ul style="list-style-type: none"> <li>• Yearly Consumables &amp; Annual Calibration</li> <li>• Optimize YOUR instrument performance &amp; ensure reliable measurements</li> <li>• Regulation compliance via Certified Calibration Certificate</li> <li>• 10% discount on future Parts, Repairs &amp; Labor</li> <li>• Freeing your time for other projects</li> </ul>			

Please refer to SER-00065179-21 on your purchase order and email to [Sievers.customercare.wts@suez.com](mailto:Sievers.customercare.wts@suez.com)  
 Standard Terms and Conditions apply. Warranty valid in UNITED STATES only.

SUEZ WTS Analytical Instruments Inc.

# Quotation

<b>WEST VALLEY WATER DISTRICT</b>	Date:	Friday, August 19, 2022
Sergio Granda	Quote Number :	SER-00065179-21-3
Rialto, CALIFORNIA	Payment Terms:	Net 30, Subject to Credit Approval
UNITED STATES	Delivery Terms:	Ex Works, Boulder, CO USA
Phone : +1 (909) 543-8979	Expiration Date:	Saturday, December 31, 2022
	Currency:	USD

Product Number	Unit Price	Qty	Ext. Price
----------------	------------	-----	------------

Available: 2 Yr Price Lock/PO includes 2 yrs

**Tamara Shafer, Account Manager/Inside Sales, (303) 709-1681, tamara.shafer@suez.com**

Please refer to SER-00065179-21 on your purchase order and email to Sievers.customer@wts.suez.com  
 Standard Terms and Conditions apply. Warranty valid in UNITED STATES only.  
 SUEZ WTS Analytical Instruments Inc.



WTS Analytical Instruments, Inc.  
6060 Spine Road Boulder, CO 80301

### STANDARD TERMS & CONDITIONS FOR SALE & SERVICE OF INSTRUMENTS

These Terms and Conditions are an integral part of each agreement between a SUEZ WTS Analytical Instruments company ("Seller") and its customer ("Purchaser") for the sale of instruments ("Instruments") and any related services ("Services"). Such agreement and these Terms and Conditions are collectively referred to as the "Agreement".

1. **Proposals & quotations.** For avoidance of doubt, Seller may refrain from accepting any purchase order until completion of Seller's due diligence process for a new customer. Moreover, if concerns are identified by Seller during this process, Seller reserves the right, in Seller's sole discretion, to refuse any associated purchase orders pending Seller's resolution of such concerns. Any proposals or price quotations may be modified or withdrawn by Seller at any time prior to acceptance by Purchaser. All prices quoted by Seller are F.O.B. point of origin unless otherwise indicated. Any Services performed by Seller beyond those set forth in its proposal will be charged at Seller's then standard rates, plus expenses.
2. **Warranties.** Seller warrants for a period of twelve months after shipment that Instruments manufactured by Seller will conform in all material respects to any descriptions or specifications included in the Agreement and will be free of defects in materials and workmanship. If the Instruments are installed by Seller, the warranty will be extended to twelve months after the installation date or thirteen months after shipment, whichever occurs earlier. Any performance warranties set forth elsewhere in the Agreement shall be limited to twelve months unless otherwise indicated. Components and materials of the type that need replacement periodically due to normal wear and tear such as valves, reaction chambers, catalysts, and parts whose contact with sample streams renders them unsuitable for further use are warranted against defects only as of the shipment date, unless expressly stated otherwise. Warranties do not apply to damage or wear resulting from accidents, negligence, abuse, or misuse by Purchaser or third parties; from failure to follow Seller's instructions for installation, operation or maintenance; or from alterations or repairs not performed in accordance with Seller's instructions. Seller warrants that any Services will be performed in a good and workmanlike manner. Purchaser shall promptly notify Seller of any warranty claim, and Purchaser's sole remedy shall be (at Seller's election) the repair or replacement of defective Instruments, the correction of deficient Services, or the refund of payments made for such Instruments or Services. If Seller, at its discretion, chooses to repair an Instrument subject to a warranty claim, seller may install or otherwise utilize parts or components that are either new, refurbished, remanufactured, or reconditioned in connection with that repair. Similarly, if Seller chooses to supply Purchaser with a replacement Instrument in response to a warranty claim, the replacement Instrument may contain either new, refurbished, remanufactured, or reconditioned parts or components. Purchaser shall not return Instruments to Seller without Seller's prior permission. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND SELLER MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OTHER THAN AS EXPRESSLY STATED IN THIS AGREEMENT.
3. **Environmental Health and Safety.** Instruments must be installed to allow safe access and service by SUEZ employees per applicable regulatory requirements. Emergency egress, surrounding hazards and ergonomics should be considered, please contact the SUEZ Field Service Leader with questions prior to installation.
4. **Payment.** Seller's obligation to ship Instruments shall be subject to approval of all orders by Seller's credit department, and Seller may require full or partial payment in advance. All payment shall be made in full in lawful, free and unblocked U.S. Dollars. Payments not made within agreed upon terms will bear interest at the rate of 1.5 percent per month or, if lower, the maximum lawful rate. If Purchaser disputes any portion of an invoice, it shall notify Seller in writing with specificity and pay the undisputed portion within said 30-day period. Purchaser shall reimburse costs, including reasonable attorneys' fees, incurred by Seller to collect overdue amounts.
5. **Limitation of liability.** The aggregate liability of Seller and its affiliates and employees in connection with the Agreement and all Instruments and Services provided thereunder shall be limited to the amount actually paid by Purchaser to Seller for such Instruments or Services. Seller shall not be liable for any special, indirect, incidental, consequential, or punitive damages, including lost profits, loss of use, and claims by third parties.
6. **Export.** If Instruments are to be shipped to a point outside the U.S., Seller's obligation is subject to its ability to obtain, on acceptable terms, any applicable export licenses or permits.
7. **Inspection.** Purchaser or its designated representative shall be given a reasonable opportunity, upon request, to inspect Instruments, at Purchaser's cost, prior to their delivery to the carrier for shipment. Failure to make prompt inspection will be deemed a waiver of Purchaser's right of inspection.
8. **Taxes.** Purchaser shall pay all sales, use and excise taxes, customs duties, and similar taxes and governmental charges now or hereafter imposed on either party based on the sale, shipment or use of Instruments or the provision of Services.



**WTS Analytical Instruments, Inc.**  
6060 Spine Road Boulder, CO 80301

9. **Shipping, title & risk of loss.** Purchaser is responsible for all shipping costs and insurance except as expressly agreed in writing. Purchaser shall give Seller complete shipping instructions, in the absence of which Seller shall be entitled to select the carrier. Title and risk of loss shall pass to Purchaser upon delivery of Instruments to the carrier for shipment, although Purchaser grants Seller a security interest in all Instruments until Seller is paid in full.
10. **Export Import Regulations.** Purchaser will not, directly or through an intermediary, export any Instruments (including related technology and information) to any country that is subject to embargo or similar restrictions under U.S. Export Regulations (including but not limited to Cuba, Iran, Iraq, Libya and North Korea), or transfer them to a national of any such country or to any other person or company restricted from receiving them, or put them to a prohibited end use, or transfer them with knowledge or reason to believe that they are intended for a prohibited destination, recipient or use. If Purchaser exports Instruments from the U.S., then Purchaser assumes the sole responsibility to confirm that the technical regulations and standards for the importation of such Instruments into the applicable country of import are met.
11. **Force majeure.** Seller will not be responsible for any delays, damages or failures to perform due to circumstances beyond its reasonable control, including those caused by Purchaser. Seller's time for performance shall be extended by a period of time commensurate with the amount of delay caused by such circumstances.
12. **Patents.** Seller shall hold Purchaser harmless against any claims by third parties that Instruments manufactured by Seller infringe U.S. patents, provided that Purchaser gives Seller prompt notice of such claim, full authority to defend against such claim, and whatever assistance Seller reasonably requests. The foregoing obligation does not apply to claims related to Instruments based on designs and/or specifications provided by Purchaser, Purchaser's alteration of Instruments, Purchaser's use of Instruments for a purpose not intended by Seller, or Purchaser's use of Instruments in combination with goods not manufactured by Seller, in which cases Purchaser shall hold Seller harmless against any claims of patent infringement made against Seller. If Purchaser's use of the Instruments is enjoined, Seller within a reasonable period of time shall (at Seller's election) obtain rights for Purchaser's continued use of the Instruments, modify the Instruments so they are non-infringing, replace the Instruments with non-infringing Instruments, or refund the then fair market value of the Instruments (before taking into account the alleged infringement) upon return of the Instruments to Seller. Seller shall have no liability with respect to patents outside the U.S.
13. **Documents.** All documents furnished by Seller in connection with Instruments shall remain the property of Seller, and Purchaser warrants that they will not be used or disclosed except to enable Purchaser's installation, operation and maintenance of Instruments.
14. **Complete agreement.** These Terms and Conditions, together with any other contract documents signed by both parties (other than any terms on Purchaser's order that are inconsistent with these Terms and Conditions), constitute the entire agreement between the parties. The Agreement may be modified or amended only by a writing signed by an authorized representative of the party against which enforcement is being sought.
15. **Miscellaneous.** The Agreement is governed by the laws of The State of Colorado, U.S.A.



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** PREVENTIVE MAINTENANCE CONTRACT WITH TROJAN TECHNOLOGIES FOR THE ULTRAVIOLET DISINFECTION SYSTEM AT THE OLIVER P. ROEMER WATER FILTRATION PLANT

---

**BACKGROUND:**

District staff has identified a need for a one-year preventive maintenance (PM) contract with Trojan Technologies for the ultraviolet disinfection (UV) system at the Oliver P. Roemer Water Filtration (Roemer) Plant. The Roemer Plant utilizes coagulation, contact clarification, filtration, and post filtration process including a UV system, Granular Activated Carbon (GAC), and chlorine disinfection. Filtered water is disinfected by UV reactors as primary disinfection before going to the GAC vessels for total organic carbon removal. Finally, water leaving the GAC vessels is delivered to a water storage basin for secondary disinfection.

The UV system at the Roemer Plant is manufactured by Trojan Technologies.

**DISCUSSION:**

Trojan Technologies is the manufacturer of Trojan UV systems. Attached as **Exhibit A** is the Sole Source Letter. The total cost for the annual PM contract is \$11,786.00. Attached as **Exhibit B** is the Quote.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from project number GL100-5390-525-5340 titled "Professional Services/Other Consultants" with a budget of \$71,500.001

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to issue a Purchase Order in the amount not to exceed \$12,000.00 for a one-year PM contract with Trojan Technologies.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:jc

**ATTACHMENT(S):**

1. Exhibit A - Sole Source Letter
2. Exhibit B - Quote

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A



**TROJAN W.**

WATER CONFIDENCE"

July 20, 2020

West Valley Water District  
Attn: Sergio Granda  
3010 N. Cedar Avenue  
Rialto, CA 92376

RE: Trojan System UV Swift™  
Trojan Serial #710084

Dear Mr. Granda,

In the Engineered Submittal Package for the Trojan UVSwift™ System, Trojan provided an equipment performance guarantee stating that the system will meet the required level of disinfection provided that the system is operated and maintained in accordance with recommendations made by Trojan Technologies.

In order for this equipment guarantee to be maintained, it is imperative that the appropriate components and replacement parts be used in the system. There are key replacement parts and system components that directly influence the performance and reliability of the system. Among these critical replacement parts are the UV lamps, electronic ballasts, printed circuitry etc. Without using lamps, ballasts, and other components that are approved and validated by Trojan Technologies, we cannot guarantee that the system will provide the required germicidal output. Subsequently, we cannot guarantee that the required UV dose is being delivered.

In order to keep the equipment performance guarantee intact, it is recommended that specialized system components be purchased and contracted from our manufacturer representative in your state. In the State of California, the exclusive manufacturer representative is DC Frost & Associates, Inc., a wholly owned subsidiary of the Coombs-Hopkins Company. Trojan purchases only validated system components (lamps, ballasts etc.) from our suppliers and only those components meeting our performance standards are passed on to the customer.

If you have any questions regarding this matter or require any additional information, please do not hesitate to our office at 1-800-291-0218.

Best regards,  
TROJAN TECHNOLOGIES

Judy Georgeije..æ

Judy Georgijev  
Municipal Territory Representative

TROJAN TECHNOLOGIES 3020 GORE ROAD LONDON, ONTARIO CANADA NSV 4T7 T 519 457.3400 F 457 3030 WWW.TROJANUV.COM

# EXHIBIT B



# **SERVICE365 PROPOSAL/CONTRACT**

BETWEEN

**TROJAN TECHNOLOGIES GROUP ULC  
("Trojan Technologies")**

AND

**West Valley Water District  
Project# 710084 West Valley District**

FOR WORK ON

**TROJAN UV SWIFT 6L24 SYSTEM**

**NOTICE**

**The attached agreement is proprietary and may not be reproduced or  
distributed to parties not directly associated with  
the company noted herein without the express written permission of Trojan Technologies.**



# CONTENTS

- 1 SERVICE365 PROGRAM ..... 3
- 2 SERVICE365 CONTRACT ..... 3
- 3 ROUTINE MAINTENANCE ..... 4
- 4 ASSUMPTIONS & CAVEATS ..... 6
- 5 COMMERCIAL BASIS ..... 7
- 6 CONFIRMATION ..... 8
- 7 APPENDIX..... 9
- 7.1 TERMS AND CONDITIONS ..... 9

# REVISION INDEX

Rev No.	Document Type	Date Submitted	Submitted By
A1	SERVICE365 Proposal B	15-07-2022	HW
A2	SERVICE365 Contract – Final Copy	DD-MM-YYYY	RAM/ISM Initials
A3	SERVICE365 Contract Customer accepted Copy	DD-MM-YYYY	RAM/ISM Initials
B1	SERVICE365 Proposal – revised Rev A1 per client request	DD-MM-YYYY	RAM/ISM Initials
B2	SERVICE365 Contract – Final Copy	DD-MM-YYYY	RAM/ISM Initials
B3	SERVICE365 Contract Customer Confirmed Copy	DD-MM-YYYY	RAM/ISM Initials



## 1 SERVICE365 PROGRAM

SERVICE365 is a preventive maintenance program offered by Trojan Technologies to safeguard your TrojanUV system performance year after year. Trojan Technologies provides full-service support with comprehensive service plans under the SERVICE365 program. Regular maintenance using TrojanUV replacement parts is key to ensuring your UV system is operating at peak performance and continuing to meet your treatment requirements. We have a dedicated team of field-service experts across North America ready to assist with your TrojanUV system maintenance, resolve operational challenges, and meet your objectives.

Following are the key benefits of having a preventive maintenance plan in place:

- Lengthen equipment life
- Reduce risk of breakdowns
- Increase equipment efficiency
- Decrease unplanned downtime
- Promote health and safety
- Save time and money

## 2 SERVICE365 CONTRACT

This Agreement is for a one year (1) preventive maintenance contract of the Trojan UV SWIFT Plus system made and entered on DD MM YYYY, (the "Effective Date"), by and between: Trojan Technologies (hereinafter sometimes referred to as "Trojan"), acting through its offices located at 3020 Gore Road, London, Ontario, Canada, N5V 4T7, and Water Valley Water District

During the contract term:

- Trojan Technologies shall attend at the site, two (2) semi-annual service visits to perform 'Routine Maintenance' as described in Section 3 of this contract.
- Each 'Routine Maintenance' visit includes 2-days of work at site @ a maximum of 8-hours per day.
- A service report will be provided including the details of the maintenance performed, any parts replaced, and an overview of the system performance and recommendations along with action plan until the next visit.

Following table provides a summary of the service plan for the UV SWIFT System:

No.	Project#	Project Name	System Info	Routine Maintenance
1	710084	West Valley Water District	No. of Chambers: 3 No. of Lamps/Chamber: 6 Total Lamp Count: 18	2 visits per year (Semi-annual)



### 3 ROUTINE MAINTENANCE

---

Trojan's certified expert will carry out the following preventive maintenance activities on your Trojan UV SWIFT system as a part of the routine maintenance during each service visit:

#### Control Power Panel

- Check electrical connections and tighten as necessary
- Verify 4-20mA flow signal (if applicable)
- Verify UVT input (if applicable)
- Inspect and verify electrical components in the SCC
- Verify control screen functions
- Simulate and verify alarms
- Address current alarms
- Testing safety functions

#### Reactor

- Check electrical connections and tighten as necessary
- Inspect intensity probe(s)
- Verify Low Water Level sensor operation (if applicable)
- Verify communication signals from/to SCC
- Inspect lamps and sleeves, replace as required
- Remove covers (End Cap) and check electrical connections
- Inspect lamp cables and connectors
- Inspect sleeve O-rings (Wiper Seal and Seal holder)
- Inspect reactor (Sleeves) condition and clean as needed

#### Wiping System

- Inspect HSC Fluid/Oil Level; top-up as required (applicable to Swift24/30 only)
- Inspect the Hydraulic hoses for wear; replace if required (applicable to Swift24/30 only)
- Inspect wiper motor operation (applicable to Swift 12 only)

#### UVI Sensor (Sensor Assembly)

- Inspect intensity probe(s)
- Clean UVI sensor window if required
- Perform Reference Sensor check

Note: If Duty sensor fails reference sensor check, we recommend Duty Sensor to be sent to Trojan for recalibration.

#### Training

- Provide refresher training as needed

#### Documentation

- Prepare and submit service report

#### Important Note:



1. As a part of routine maintenance, Trojan Certified Expert shall primarily carry out the inspection activities listed above. Part replacements, and/or troubleshooting, if necessary, are carried out as needed and are subject to time limitations.
2. Parts that need replacement during routine maintenance shall be taken from the spare-parts inventory available at site. It is customer's responsibility to order and maintain the recommended quantity of Trojan spare parts inventory at site.
3. This contract does not include overhaul maintenance that is typically recommended upon reaching the end of lamp life (EOLL) hours. Wiper and sleeve servicing, such as replacing seals and cleaning sleeves can be provided at an additional cost as this is considered an overhaul maintenance activity. A separate quotation for overhaul shall be provided upon request.





## 4 ASSUMPTIONS & CAVEATS

---

This contract assumes the equipment will be operated and maintained in strict accordance with the instructions specified in the Operation and Maintenance Manual and Product Bulletins. Operation other than as so specified may void manufacturer's warranties and additional service and maintenance required due to such operation is in addition to the services to be performed pursuant to this contract.

The maintenance requirements for your system can be found in the Operation and Maintenance (O&M) Manual.

This contract does not cover the repair or replacement of any components which have failed due to the following:

- Mishandling, misuse, neglect, improper storage, improper operation of the equipment with other equipment furnished by the Customer or by other third parties, or from defects in designs or specifications furnished by or on behalf of the Customer by a person other than Trojan
- Equipment that has been altered or repaired after start-up by anyone except an authorized representative of Trojan or the Customer acting under specific written instructions from Trojan
- Use of parts not supplied or approved by Trojan



## 5 COMMERCIAL BASIS

1	Pricing	<b>SERVICE365 Contract Price is</b>	
		For two (2) routine maintenance visits per year @ X 2 DAYS per visit	<b>\$11,786.00/year</b>  (which equates to \$5,893.00 per visit)
2	Currency	USD	
3	Contract Term	1 Year(s) [For 1-year contract: Contract Price subject to annual price increase at the time of renewal	
4	Contract Start Date	DD MM YYYY	
5	Contract End Date (Renewal date)	DD MM YYYY	
6	Additional Support Services	During the scheduled service visits, an on-site day includes a maximum of 8 hours. If the Trojan certified expert is required to stay overtime, the additional time spent shall be invoiced at USD 315.00 per hour. Additional Service visits outside the routine maintenance visits outlined in this contract, if needed, will be quoted and invoiced separately.	
7	Taxes	Not included; will be applied on the "SERVICE365 Contract Price" noted above	
8	Payment Terms	Net 30 days. Payable annually in advance on the first day of each 12-month period of the contract term	
9	Terms and Conditions	This Contract is subject to Trojan's Terms and Conditions provided in Section 7 Appendix of this document.	
10	Basis of Pricing	Fixed for the duration of the contract term Contract Price validity 60 days from the date of quote submission. The foundation of this contract is Trojan's set of terms and conditions; if these are sought to be modified, Trojan reserves the right to adjust the contract. Maintaining the original content of the Trojan contract proposal allows Trojan to hold its quoted contract price firm through the validity period (Quote validity ends on DD MM YYYY)	
11	Renewal Terms	This contract shall be eligible for renewal on or after the renewal date recorded above and shall be subject to a price revision.	
12	Site Access	If access to site is refused to Trojan Technologies, then a request will be made in writing to the Operations Manager for the site. If after 30 days of issue of the request letter, access is still denied then an additional invoice will be issued for this site visit for the service(s) intended on that visit.	



## 6 CONFIRMATION

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Trojan Technologies and the Customer agree that the terms and conditions provided in the Appendix shall form a part of this Contract and shall be binding upon the parties hereto. Trojan Technologies invites the Customer to review the Terms and Conditions with a representative of Trojan Technologies.

WEST VALLEY WATER DISTRICT  
855 W Baseline Rd.  
Rialto, CA 92376

TROJAN TECHNOLOGIES GROUP ULC  
3020 Gore Rd.  
London, Ontario, Canada, N5V4T7

By:

*(sign here)*

By:

*(sign here)*

**Print Name:** CUSTOMER

**Title:** TITLE

**Email:** EMAIL

**Phone:** PHONE

**Print Name:** Heather Wilcox

**Title:** Inside Account Manager

**Email:** westernus@trojantechnologies.com

**Phone:** 800-294-2150



## 7 APPENDIX

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### 7.1 TERMS AND CONDITIONS

Following is the link to the document that sets forth the Terms & Conditions of Sale for goods manufactured and/or supplied, and services provided by Trojan Technologies.

<https://www.trojantechnologies.com/en/policies/terms-and-conditions-of-sale>



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** PREVENTIVE MAINTENANCE CONTRACT WITH HACH COMPANY  
 FOR THE TOTAL ORGANIC CARBON AND ALKALINITY ANALYZERS  
 AT THE OLIVER P. ROEMER WATER FILTRATION PLANT

---

**BACKGROUND:**

District staff has identified a need for a one-year preventive maintenance (PM) contract with Hach Company for the Total Organic Carbon (TOC) and alkalinity online analyzers at the Oliver P. Roemer Water Filtration (Roemer) Plant. The Roemer Plant can treat 100 percent Lytle Creek water, 100 percent State Water Project, or a blend. TOC has been an issue at the Roemer Plant. Based on historical water quality results, TOC levels are high in the source which requires blending prior to filtration and granular activated carbon after filtration. When raw water is chlorinated in the disinfection process, disinfectant such as chlorine can react with the organics, and form potential carcinogens, known as disinfection by products (DBPs). Controlling organic carbon prior to disinfection can significantly decrease DBPs in the water system.

The chemical reaction between the coagulant and the water can consume bicarbonates in the water treatment process. If alkalinity is not enough, the pH will reduce significantly. As the pH is an essential parameter for proper coagulation performance, it is necessary to control the alkalinity. The TOC and alkalinity online analyzers at the Roemer Plant are manufactured by Hach Company.

**DISCUSSION:**

Hach Company is the manufacturer and direct distributor of Hach analyzers. Attached as **Exhibit A** is the Sole Source Letter. The total cost for the annual PM contract is \$10,064.25. Attached as **Exhibit B** is the Quote.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from Account Number 100-5390-525-5340 titled "Professional Services / Other Consultants" with a budget of \$71,500.00.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to issue a Purchase Order in the amount not to exceed \$10,100.00 for a one-year PM contract with Hach Company.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:jc

**ATTACHMENT(S):**

1. Exhibit A - Sole Source Letter
2. Exhibit B - Quote

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A

## The Sole Authorized Manufacturer and Direct Distributor Letter

8/27/2018

**Customer Name:** West Valley Water District

**Customer Address:** PO Box 920

**Customer City, State, Zip:** Rialto, CA, 92377

**Customer Account Number:** 154825

Item(s):	Description(s):
8626200	- SENSOR, FREE CHLORINE CLF10 sc STAINLESS TIP
9160600	- ELECTROLYTE, CLF10sc
8633100	- KIT, MEMBRANE REPLACEMENT, CLF10sc, CLT10sc, STAINLESS TIP
DPD1P1	- pH sc, Differential pH Digital Sensor, PEEK Body Material, Convertible Body Style, General Purpose Glass Electrode, 70 C (158 F) Maximum Temperature

This letter is to confirm that Hach Company is the sole authorized manufacturer and direct distributor of the item/items listed above.


Thank you for your interest in Hach Company Products. If we can be of further assistance, please contact us at 1-800-227-4224 .

Thank you





# EXHIBIT B

 <small>© 11/11 1:01 JIGDIN M S-</small>	<b>HACH SERVICE PARTNERSHIP QUOTATION</b>	Page Partnership Number :	I of 5 HACH831156
	Headquarters P.O. Box 389 5600 Lindbergh Drive Loveland, CO 80539-0389  Purchase Orders	Website: <a href="http://www.DIII;D I:Qh">www.DIII;D I:Qh</a>	Remittance 2207 Collections Center Dr Chicago, IL 60693  Wire Transfers Bank of America 231 S. LaSalle St. Chicago, IL 60604 Account: 8765602385 Routing (ABA): 026009593

p


Partnership Number : HACH831156      Version: 0.7      Quotation Date 08-AUG-22  
 Expiration Date 06-NOV-22

Hach Company Contact: Topping, Christen J      Service Partnership Phone  
 Service Partnership Email: ctopping@hach.com  
 Customer Ref: Renewal Quote      Customer Contact: GRANDA, SERGIO  
 Customer Phone: (909) 875-1804      Customer Fax :      Customer Email: sgranda@wwwd.org

Bill-To	Account# 154825	ShiQ-To	Accol,Int ff 154825
CustomerName	WEST VALLEY WATER DISTRICT	Customer Name	WEST VALLEY WATER DISTRICT
Address4		Address4	OLIVER ROMER WTP
Address1	855 WBASELINE AVE PO BOX 190	Address1	3010 CEDAR AVE
Address2		Address2	
Address3		Address3	
City, State, PostalCode	RIALTO-CA-92377	City, State, Postalcode	RIALTO-CA-92377
Province/ Country	US	Province/ Country	US

Payment Terms: Net 30  
 Billing Method: Annual Invoices on START Date  
 Currency: USD

Line	Service Name	Start Date	End Date	Description/Serial Number	Line Total
	<b>Covered Product</b>				
	FSP8 IOTECTOR 83500C	06-SEP-22	05-SEP-23	aa Fld Svc 8 IoTector 83500, All Models, 2 VST:06-SEP-2022:05SEP-2023 83500 Service Agreement includes: All parts, labor, and travel for on-site repairs, 2 on-site calibrations per year, factory recommended maintenance (including required parts), unlimited technical support calls, and free firmware updates. If using an external Hach 8IoTector Compressor, that optional accessory must be covered separately.	7,436.00

 <small>www.hach.com</small>	<b>HACH SERVICE PARTNERSHIP QUOTATION</b>	Page Partnership Number :	2 of 5 HACH831156
	Headquarters P.O. Box 389 5600 Lindbergh Drive Loveland, CO 80539-0389  Purchase Orders	Website: <a href="http://www.hach.com">www.hach.com</a>	Rebill Invoice 2207 Collections Center Dr Chicago, IL 60693  Wire Transfers Bank of America 231 S. LaSalle St. Chicago, IL 60604 Account: 8765602385 Routing (ABA): 026009593


1.1	80.015752000001			dd oo B3500 115v, 0-25mg, 2 Stream + Manual ;BSC-211-853	
2	PMP-BIOT_COM-2V	06-SEP-22	05-SEP-23	Preventative Maintenance Partnership for BioTector Compressor - 2 visits:06-SEP-2022:05-SEP-2023 Must be purchased with a service agreement for the BioTector analyzer. Includes two preventative maintenance visits per year at time of analyzer service. Factory recommended maintenance schedule is two times per year. Repairs not included.	342.00
2.1	19-COM-160			aa dd BioTector Compressor 115V /60Hz; NOSN315241015	
3	FSPEZ4000-4_VST	19-MAR-23	05-SEP-23	ADDED FROM HACH1181308 Field Service includes: All parts, labor, and travel for on-site repairs, 4 on-site calibrations per year, factory recommended maintenance (including required parts), unlimited technical support calls, and free firmware updates. Please see service terms and conditions for additional details on our service plans, and to ensure you have an opportunity to review our environmental and safety requirements.	2,286.25
3.1	EZ4004.99A02202			dd EZ4004, total alkalinity calibration 10%, 2 sir, 2 mA ; 2102003027	

**Sub Total:** 10,064.25  
**Tax:** 0.00  
**Total:** 10,064.25

**Partnership Notes :**

All purchases of Hach Company products and/or services are expressly and without limitation subject to Hach Company's Terms & Conditions of Sale ("Hach TCS"), incorporated herein by reference and published on Hach Company's website at [www.hach.com/terms](http://www.hach.com/terms). Hach TCS are incorporated by reference into each of Hach's offers or quotations, order acknowledgments, and invoice and shipping documents. The first of the following acts shall constitute an acceptance of Hach's offer and not a counteroffer and shall create a contract of sale ("Contract") in accordance with the Hach TCS, subject to Hach's final credit approval: (i) Buyer's issuance of a purchase order document against Hach's offer or quotation; (ii) Hach's acknowledgement of Buyer's order; or (iii) commencement of any performance by Hach in response to Buyer's order. Provisions contained in Buyer's purchase documents that materially alter, add to or subtract from the provisions of these Terms and Conditions of Sale shall be null and void and not considered part of the Contract

Customer Name WEST VALLEY WATER DISTRICT

	<b>HACH SERVICE PARTNERSHIP QUOTATION</b>	Page Partnership Number :	3 of 5 HACH831156
C O U N T Y O F L O U I S I A N A 	<i>Headquarters</i> P.O. Box 389 5600 Lindbergh Drive Loveland, CO 80539-0389  <i>Purchase Orders</i>	<i>Website : WWW.HACH.COM</i>	<i>Refill Office</i> 2207 Collections Center Dr Chicago, IL 60693  <i>Wire Transfers</i> Bank of America 231 S. LaSalle St. Chicago, IL 60604 Account: 8765602385 Routing (ABA): 026009593

Customer P.O. Number \_\_\_\_\_

Customer Reference Number \_\_\_\_\_

### TERMS & CONDITIONS OF SALE FOR HACH COMPANY PRODUCTS AND SERVICES

This document sets forth the Terms & Conditions of Sale for goods manufactured and/or supplied and services provided, by Hach Company of Loveland, Colorado (Hach) and sold to the original purchaser thereof ("Buyer"). Unless otherwise specifically stated herein, the term "Hach" includes only Hach Company and none of its affiliates. Unless otherwise specifically stated in a previously-executed written purchase agreement signed by authorized representatives of Hach or Buyer, these Terms & Conditions of Sale establish the rights, obligations and remedies of Hach and Buyer which apply to this offer and any resulting order or contract for the sale of Hach's goods and/or services ("Products").

#### 1. APPLICABLE TERMS & CONDITIONS:

Those Terms & Conditions of Sale are contained hereby and/or by reference to Hach's offer, order acknowledgment and invoice documents. The first of the following acts constitutes an acceptance of Hach's offer and not a counteroffer and creates a contract of sale ("Contract") in accordance with these Terms & Conditions: (I) Buyer's issuance of a purchase order document against Hach's offer; (H) acknowledgment of Buyer's order by Hach; or (11) commencement of any performance by Hach pursuant to Buyer's order. Provisions contained in Buyer's purchase documents (including electronic commerce interfaces) that materially alter, add to or subtract from the provisions of these Terms & Conditions of Sale are not a part of the Contract.

#### 2. CANCELLATION:

Buyer may cancel goods orders subject to fair charges for Hach's expenses including handling, inspection, restocking, freight and invoicing charges as applicable, provided that Buyer returns such goods to Hach at Buyer's expense within 30 days of delivery and in the same condition as received. Buyer may cancel service orders on ninety (90) day's prior written notice and refunds will be prorated based on the duration of the service plan. Inspection and reinstatement fees may apply upon cancellation or termination of service programs. Seller may cancel all or part of any order prior to delivery without liability if the order includes any Products that Seller determines may not comply with export, safety, local certification, or other applicable compliance requirements.

#### 3. DELIVERY:

Delivery will be accomplished FCA Hach's facility located in Ames, Iowa or Loveland, Colorado, United States (Incoterms 2010). For orders having a final destination within the U.S., legal title and risk of loss or damage pass to Buyer upon transfer to the first carrier. For orders having a final destination outside the U.S., legal title and risk of loss or damage pass to Buyer when the Products enter international waters or airspace or cross an international frontier. Hach will use commercially reasonable efforts to deliver the Products ordered herein within the time specified on the face of this Contract, or if no time is specified, within Hach's normal lead-time necessary for Hach to deliver the Products sold hereunder. Upon prior agreement with Buyer and for an additional charge, Hach will deliver the Products on an expedited basis. Standard service delivery hours are 8am - 5pm Monday through Friday, excluding holidays.

#### 4. INSPECTION:

Buyer will promptly inspect and accept any Products delivered pursuant to this Contract after receipt of such Products, in the event the Products do not conform to any applicable specifications, Buyer will promptly notify Hach of such nonconformance in writing. Hach will have a reasonable opportunity to repair or replace the nonconforming product at its option. Buyer will be deemed to have accepted any Products delivered hereunder and to have waived any such nonconformance in the event such a written notification is not received by Hach within thirty (30) days of delivery.

#### 5. PRICES & ORDER SIZES

All prices are in U.S. dollars and are based on delivery as stated above. Prices do not include any charges for services such as insurance; brokerage fees; sales, use, inventory or excise taxes; import or export duties; special financing fees; VAT, income or royalty taxes imposed outside the U.S.; consular fees; special permits or licenses; or other charges imposed upon the production, sale, distribution, or delivery of Products. Buyer will either pay any and all such charges or provide Hach with acceptable exemption certificates, which obligations survive performance under this Contract. Hach reserves the right to establish minimum order sizes and will advise Buyer accordingly.

#### 6. PAYMENTS:

All payments must be made in U.S. dollars. For Internet orders, the purchase price is due at the time and manner set forth at [www.hach.com](http://www.hach.com). Invoices for all other orders are due and payable NET 30 DAYS from date of the invoice without regard to delays for inspection or transportation, with payments to be made by check to Hach at the above address or by wire transfer to the account stated on the front of Hach's invoice, or for customers with no established credit, Hach may require cash or credit card payment in advance of delivery. In the event payments are not made or not made in a timely manner, Hach may, in addition to all other remedies provided at law, either: (a) declare Buyer's performance in breach and terminate this Contract for default; (b) withhold future shipments until delinquent payments are made; (c) deliver future shipments on a cash-with-order or cash-in-advance basis even after the delinquency is cured; (d) charge interest on the delinquency at a rate of 1.12% per month or the maximum rate permitted by law, if/when, for each month part thereof delinquency payment plus applicable storage charges and/or inventory carrying charges; (e) repossess the Products for which payment has not been made; (f) recover all costs of collection including reasonable attorney's fees; or (g) combine any of the above rights and remedies as is practicable and permitted by law. Buyer is prohibited from settling off any and all monies owed under this Contract from any other sums, whether liquidated or not, that are or may be due Buyer, which arise out of or different transaction with Hach or any of its affiliates. Should Buyer's financial responsibility become unsatisfactory to Hach in its reasonable discretion, Hach may require cash payment or other security. If Buyer fails to meet these requirements, Hach may treat such failure as a reasonable ground for repudiation of this Contract, in which case reasonable cancellation charges shall be due Hach. Buyer grants Hach a security interest in the Products to secure payment in full, which payment releases the security interest but only if such payments could not be considered an avoidable transfer under the U.S. Bankruptcy Code or other applicable laws. Buyer's insolvency, bankruptcy, assignment for the benefit of creditors, or dissolution or termination of the existence of Buyer, constitutes a default under this Contract and affords Hach all the remedies of a secured party under the U.C.C., as well as the remedies stated above for late payment or non-payment.

#### 7. LIMITED WARRANTY:


Hach warrants that Products sold hereunder will be free from defects in material and workmanship and will, when used in accordance with the manufacturer's operating and maintenance instructions, conform to any express written warranty pertaining to the specific goods purchased, which for most Hach instruments is for a period of twelve (12) months from delivery. Hach warrants that services furnished hereunder will be free from defects in workmanship for a period of ninety (90) days from the completion of the services. Parts provided by Hach in the performance of services may be new or refurbished parts functionally equivalent to new parts. Any non-functioning parts that are repaired by Hach shall become the property of Hach. No warranties are extended to consumable items such as, without limitation, reagents, batteries, mercury cells, and light bulbs. All other guarantees, warranties, conditions and representations, either express or implied, whether arising under any statute, law, commercial usage or otherwise, including implied warranties of merchantability and fitness for a particular purpose, are hereby excluded. The sole remedy for Products not meeting this Limited Warranty is replacement, credit or refund of the purchase price. This remedy will not be deemed to have failed of its essential purpose so long as Hach is willing to provide such replacement, credit or refund.

#### 8. INDEMNIFICATION:

Indemnification applies to a party and to such party's successors-in-interest, assignees, affiliates, directors, officers, and employees ("Indemnified Parties"). Hach's responsibility and will defend, indemnify and hold harmless the Buyer Indemnified Parties against all losses, claims, expenses or damages which may result from accident, injury, damage, or death due to Hach's breach of the Limited Warranty. This indemnification is provided on the condition that the Buyer is likewise responsible for and will defend, indemnify and hold harmless the Hach Indemnified Parties against all losses, claims, expenses or damages which may result from accident, injury, damage, or death due to the negligence or misuse or misapplication of any goods or services by the Buyer or any third party affiliated or in privity with Buyer.

#### 9. PATENT PROTECTION:

Subject to all limitations of liability provided herein, Hach will, with respect to any Products of Hach's design or manufacture, indemnify Buyer from any and all damages and costs as finally determined by a court of competent jurisdiction in any suit for infringement of any U.S. patent (or European patent for Products that Hach sells to Buyer for use in a member state of the E.U.) that has issued as of the delivery date, solely by reason of the sale or normal use of any Products sold to Buyer hereunder and from reasonable expenses incurred by Buyer in defense of such suit if Hach does not undertake the defense thereof, provided that Buyer promptly notifies Hach of such suit and offers Hach either (i) full and exclusive control of the defense of such suit when Products of Hach only are involved, or (ii) the right to participate in the defense of such suit when products other than those of Hach are also involved. Hach's warranty estoppel applies to infringement arising solely out of the inherent operation of the Products according to their applications as envisioned by Hach's specifications. In case the Products are, in such suit held to constitute infringement and the use of the Products is enjoined, Hach will, at its own expense and at its option, either procure for Buyer the right to continue using such Products or replace them with non-infringing products, or modify them so they become non-infringing, or remove the Products and refund the purchase price (prorated

	<b>HACH SERVICE PARTNERSHIP QUOTATION</b>	Page Partnership Number :	4 of 5 HACH831156
n tmm : : O F U M	<b>Headquarters</b> P.O. Box 389 5600 Lindbergh Drive Loveland, CO 80539-0389  <b>Purchase Orders</b>	<b>Website:</b> <a href="http://www.hach.us">http://www.hach.us</a>	<b>Remilla Ice</b> 2207 Collections Center Dr Chicago, IL 60693  <b>Wire Transfers</b> Bank of America 231 S. LaSalle St. Chicago, IL 60604 Account: 8765602385 Routing (ABA): 026009593

for depreciation) and the transportation costs thereof. The foregoing states the entire liability of Hach for patent infringement by the Products. Further, to the same extent as set forth in Hach's above obligation to Buyer, Buyer agrees to defend, indemnify and hold harmless Hach for patent infringement related to (x) any goods manufactured to the Buyer's design, (y) services provided in accordance with the Buyer's instructions, or (z) Hach's Products when used in combination with other devices, parts or software not provided by Hach hereunder.

#### 10. TRADEMARKS AND OTHER LABELS:

Buyer agrees not to remove or alter any indicia of manufacturing origin or patent numbers contained on or within the Products, including without limitation the serial numbers or trademarks on nameplates or cast, molded or machined components.

#### 11. SOFTWARE:

All licenses to Hach's separately provided software products are subject to the separate software license agreement(s) accompanying the software media. In the absence of such terms and for all other software, Hach grants Buyer only a personal non-exclusive license to access and use the software provided by Hach with Products purchased hereunder solely as necessary for Buyer to enjoy the benefit of the Products. A portion of the software may contain or consist of open source software, which Buyer may use under the terms and conditions of the specific license under which the open source software is distributed. Buyer agrees that it will be bound by any and all such license agreements. Title to software remains with the applicable licensor(s).

#### 12. PROPRIETARY INFORMATION; PRIVACY:

Proprietary information means any information, technical data or know-how in whatever form, whether documented, contained in machine readable or physical components, mask works or artwork, or otherwise, which Hach considers proprietary, including but not limited to service and maintenance manuals. Buyer and its customers, employees and agents will keep confidential all such Proprietary Information obtained directly or indirectly from Hach and will not transfer, disclose or without Hach's prior written consent for use for the manufacture, procurement, servicing or calibration of Products or any similar products, or cause such products to be manufactured, serviced or calibrated by or procured from any other source, or reproduce or otherwise appropriate it. All such Proprietary Information remains Hach's property. No right or license is granted to Buyer or its customers, employees or agents, expressly or by implication, with respect to the Proprietary Information or any patent right or other proprietary right of Hach, except for the limited use licenses implied by law. Hach will manage Customer's information and personal data in accordance with its Privacy Policy located at <http://www.hach.com/privacy-policy>

#### 13. CHANGES AND ADDITIONAL CHARGES:

Hach reserves the right to make design changes or improvements to any products of the same general class as Products being delivered hereunder without liability or obligation to incorporate such changes or improvements to Products Ordered by Buyer unless agreed upon in writing before the Products' delivery date. Services which must be performed as a result of any of the following conditions are subject to additional charges for labor, travel and parts: (a) equipment alterations not authorized in writing by Hach; (b) damage resulting from improper use or handling, accident, neglect, power surge, or operation in an environment or manner in which the instrument is not designed to operate or is not in accordance with Hach's operating manuals; (c) the use of parts or accessories not provided by Hach; (d) damage resulting from acts of war, terrorism or nature; (e) services outside standard business hours; (f) site prework not complete per proposal; or (g) any repairs required to ensure equipment meets manufacturer's specifications upon activation of a service agreement.

#### 14. SITE ACCESS / PREPARATION / WORKER SAFETY | ENVIRONMENTAL COMPLIANCE:

In connection with services provided by Hach, Buyer agrees to permit prompt access to equipment. Buyer assumes full responsibility to back-up or otherwise protect its data against loss, damage or destruction before services are performed. Buyer is the operator and in full control of its premises, including those areas where Hach employees or contractors are performing service, repair and maintenance activities. Buyer will ensure that all necessary measures are taken for safety and security of working conditions, sites and installations during the performance of services. Buyer is the generator of any resulting wastes, including without limitation hazardous wastes. Buyer is solely responsible to arrange for the disposal of any wastes at its own expense. Buyer will, at its own expense, provide Hach employees and contractors working on Buyer's premises with an information and training required under applicable safety compliance regulations and Buyer's policies. If the instrument to be serviced is in a Confined Space, as that term is defined under OSHA regulations, Buyer is solely responsible to make it available to be serviced in an unconfined space. Hach service technicians will not work in Confined Spaces in the event that a Buyer requires Hach employees or contractors to attend safety or compliance training programs provided by Buyer. Buyer will pay Hach the standard hourly rate and expense reimbursement for such training attended. The attendance and completion of such training does not create or expand any warranty or obligation of Hach and does not serve to alter, amend, limit or supersede any part of this Contract.

#### 15. LIMITATIONS ON USE:

Buyer will not use any Products for any purpose other than those identified in Hach's catalogs and literature as intended uses. Unless Hach has advised the Buyer in writing, in no event will Buyer use any Products in drugs, food additives, food cosmetics, or medical applications for humans or animals. In no event will Buyer use in any application any Product that requires FDA 510(k) clearance unless and only to the extent the Product has such clearance. Any warranty granted by Hach is void if any goods covered by such warranty are used for any purpose not permitted hereunder.

#### 16. EXPORT AND IMPORT LICENSES AND COMPLIANCE WITH LAWS:

Unless otherwise specified in this Contract, Buyer is responsible for obtaining any required export or import licenses. Hach represents that all Products delivered hereunder will be produced and supplied in compliance with applicable laws and regulations. Buyer will comply with all laws and regulations applicable to the installation or use of all Products, including applicable import and export controls and regulations of the U.S., E.U. and any other country having proper jurisdiction, and will obtain all necessary export or import licenses in connection with any subsequent export, re-export, transfer and use of all Products and technology delivered hereunder. Buyer will not sell, transfer, export or re-export any Hach Products or technology for use in activities which involve the design, development, production, use or stockpiling of nuclear, chemical or biological weapons or missiles, nor use Hach Products or technology in any facility which engages in activities relating to such weapons. Buyer will comply with all local, national, and other laws of all jurisdictions globally relating to anti-corruption, bribery, extortion, kickbacks, or similar matters which are applicable to Buyer's business activities in connection with this Contract, including but not limited to the U.S. Foreign Corrupt Practices Act of 1977, as amended (the "FCPA"). Buyer agrees that no payment of money or provision of anything of value will be offered, promised, paid or transferred, directly or indirectly by any person or entity, to any government official, government employee, or employee of any company owned in part by a government, political party, political party official, or candidate for any government office or political party of (i) to induce such organizations or persons to use their authority or influence to obtain or retain an improper business advantage for Buyer or for Hach, or which otherwise constitute or have the purpose or effect of public or commercial bribery, acceptance of or acquiescence in extortion, kickbacks or other unlawful or improper means of obtaining business or any improper advantage, with respect to any of Buyer's activities related to this Contract. Hach asks Buyer to "Speak Up!" if aware of any violation of law, regulation or our Standards of Conduct ("SOC") in relation to this Contract. See <http://hach.com/Compliance/AndG90PIBQI/> and [www.dhs.gov/bid-lead-tbm](http://www.dhs.gov/bid-lead-tbm) for a copy of the SOC and for access to our Help Report.

#### 17. FORCE MAJEURE:

Hach is excused from performance of its obligations under this Contract to the extent caused by acts or omissions that are beyond its control, including but not limited to Government embargoes, blockages, seizures or freeze of assets, delays or refusals to grant an export or import license or the suspension or revocation thereof, or any other acts of God, quarantines, labor strikes or lockouts, riots, strike, insurrections, civil disobedience or acts of criminals or terrorists; war, material shortages or delays in deliveries to Hach by third parties. In the event of the existence of any force majeure circumstances, the period of time for delivery, payment terms and payments under any letters of credit will be extended for a period of time equal to the period of delay. If the force majeure circumstances extend for six months, Hach may, at its option, terminate this Contract without penalty and without being deemed in default in breach thereof.

#### 18. NON ASSIGNMENT AND WAIVER:


Buyer will not transfer or assign this Contract or any rights or interests hereunder without Hach's prior written consent. Failure of either party to insist upon strict performance of any provision of this Contract, or to exercise any right or privilege contained hereon, or the waiver of any breach of the terms or conditions of this Contract will not be construed as thereafter waiving any such terms, conditions, rights, or privileges, and the same will continue and remain in force and effect as if no waiver had occurred.

#### 19. LIMITATION OF LIABILITY:

None of the Hach Indemnified Parties will be liable to Buyer under any circumstance for any special, treble, incidental or consequential damages, including without limitation, damage or loss of property other than for the Products purchased hereunder; damages incurred in installation, repair or replacement; lost profits, revenue or opportunity; loss of or damage to the Products or inaccurate measurements or reporting; the cost of substitute products; or claims of Buyer's customers for such damages, howsoever caused, and whether based on warranty, contract, and/or tort (including negligence, strict liability or otherwise). The total liability of the Hach Indemnified Parties arising out of the performance or non-performance hereunder or Hach's obligations in connection with the design, manufacture, sale, delivery, and/or use of Products will in no circumstance exceed in the aggregate a sum equal to twice the amount actually paid to Hach for Products delivered hereunder.

#### 20. APPLICABLE LAW AND DISPUTE RESOLUTION:

The construction, interpretation and performance hereof and all transactions hereunder shall be governed by the laws of the State of Colorado, without regard to its principles or laws regarding conflicts of laws. If any provision of this Contract violates any Federal, State or local statutes or regulations of any countries having jurisdiction of this transaction, or is illegal for any reason, said provisions shall be self-deleting without effecting the validity of the remaining provisions. Unless otherwise specified, any agreement upon writing between Hach and Buyer, any dispute relating to this Contract which is not resolved by the parties shall be adjudicated in order of preference by a court of competent jurisdiction: (i) in the State of Colorado U.S.A. if Buyer has minimum contacts with Colorado and the U.S., (ii) elsewhere in the U.S. if Buyer has minimum contacts with the U.S. but not Colorado, or (iii) in a neutral location if Buyer does not have minimum contacts with the United States.

	<p><b>HACH SERVICE PARTNERSHIP QUOTATION</b></p>	<p>Page Partnership Number :</p>	<p>5 of 5 HACH831156</p>
<p>2011-11-11</p>	<p><i>Headquarters</i> P.O. Box 389 5600 Lindbergh Drive Loveland, CO 80539-0389</p> <p><i>Purchase Orders</i></p>	<p><i>WebSite:</i> Y;Y;Vb,sQb,!.Qill</p>	<p><i>Refillialice</i> 2207 Collections Center Dr Chicago, IL 60693</p> <p><i>Wire Transfers</i> Bank of America 231 S. LaSalle St. Chicago, IL 60604 Account: 8765602385 Routing (ABA): 026009593</p>

21. ENTIRE AGREEMENT & MODIFICATION:

These Terms & Conditions of Sale constitute the entire agreement between the parties and supersede any prior agreements or representations, whether oral or written. No change or modification of these Terms & Conditions shall be binding upon Hach unless in a written instrument specifically referencing that it is amending these Terms & Conditions or Sale and signed by an authorized representative of Hach. Hach rejects any additional or inconsistent Terms & Conditions of Sale offered by Buyer at any time, whether or not such terms or conditions materially alter the Terms & Conditions herein and in respect of Hach's acceptance of Buyer's order for the described goods and services.



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** UPGRADE ALARM PANELS TO 5G DIAL-OUT CAPABILITY

---

**BACKGROUND:**

The alarm panels at each District facility communicate with the CRB Security Solutions Monitoring Center via a cellular communicator. The cellular communicators installed when the alarm equipment was purchased in 2017 were 3G and 4G and both of those communication protocols are being phased out. The cellular cards in the alarm panels need to be upgraded to allow our alarm equipment at all of our facilities to continue being able to communicate.

**DISCUSSION:**

The first phase of this project was changing out the cellular cards at all of the facilities with AT&T cellular card in the alarm panels, those 15 sites have been completed. The remaining 29 sites with Verizon cellular cards will take approximately 8 working days to complete with Production Department Pump Staff assisting with access to the facilities. Attached as **Exhibit A** is the quote. Staff is recommending the work be awarded to CRB Security Solutions in the amount of \$22,000.00 to account for a slight contingency for unforeseens.

**FISCAL IMPACT:**

This item is included in the Fiscal Year 2022/23 Operating Budget and will be funded from project number GL 100-5210-540-5614 titled "Repair & Maintenance / Structures / Facilities".

**STAFF RECOMMENDATION:**

Approve issuing a \$22,000 purchase order to CRB Security Solutions for the purchasing and installation of 5G cellular communicators.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

VJ:jc

**ATTACHMENT(S):**

1. Exhibit A - Quote



# EXHIBIT A



15154 Goldenwest Cir.  
Westminster CA 92683  
(800) 642-7675, (714) 892-3970  
Info@crbsecurity.com  
SCL#937466 ACO#6877

# PROPOSAL

<b>ESTIMATE #</b>	1855
<b>DATE</b>	09/21/2022
<b>PO #</b>	
<b>SALES</b>	Albert von Entress

CUSTOMER
22-0309 - West Valley Water District Albert Clinger 855 W. Base Line Rialto, CA, 92377 (909) 644-1012 (359)  aclinger@wwwd.org

SERVICE LOCATION
22-0309 - West Valley Water District Multiple Well Sites  Rialto, CA, 92376 (909) 644-1012 (359)  aclinger@wwwd.org

<b>Scope Of Work</b>	CRB Security Solutions will go to 29 existing Well sites, and remove the existing cellular communicators currently installed, and replace them with a new network communicator.
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Estimate			
Description	Qty	Rate	Total
<b>Cellular Communicator 263LTE-A</b> The 263LTE is a Verizon Cellular Communicator that provides wireless communication for DMP XT and XR Series Panels. The 263LTE contains on-board LTE communications that allow alarm messages to be communicated.	29.00	\$253.00	\$7,337.00
<b>104 - Install</b> Installation of Equipment, Labor	87.00	\$155.00	\$13,485.00
Rialto - Sales Tax		7.75%	\$568.62
Freight		5.00%	\$366.85

CUSTOMER MESSAGE
Credit Card Surcharge Notice: A Convenience Fee of 4% Will Be Charged For Credit Card Payments

<b>APPROVAL SIGNATURE</b>	
---------------------------	--

**Estimate Total: \$21,757.47**



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** WELL UNTAPPED FELLOWSHIP PROGRAM

---

**BACKGROUND:**

Water Education for Latino Leaders (WELL) is offering the Untapped Fellowship Program, designed to empower its participants to make a difference in the California Water Policy. The UnTapped Fellowship is a selective, six-month program for local elected Latino leaders that helps participants make an impact on California water policy while addressing individual community water challenges. The UnTapped program creates an opportunity for local leaders to engage with water issues by exploring California's water history & governance, infrastructure, finance, and the impact of climate change on water supply and water quality. Per Section 5 Delegation of Authority of the District's investment policy, authority to manage the District's investment program is derived from California Government Code, Section 53607. Management responsibility for the investment program is hereby delegated to the General Manager and CFO, who shall be responsible for all transactions undertaken and shall establish a system of controls to regulate the activities of subordinate officials, and their procedures in their absence.

Additional information about the program and its session schedule is attached as **Exhibit A**. The program fee is \$3,500.00 per person and covers lodging, food, and program materials. Travel costs are extra.

**DISCUSSION:**

Under the District's Ordinance 86, the WELL Untapped Fellowship Program is certainly an "outside meeting" that the Board may attend. However, this "outside meeting" is not explicitly covered by Exhibit A, B or C in Ordinance 86. Thus, in order to attend, it would require the approval of the Board.

**FISCAL IMPACT:**

The cost per participant is estimated to be \$4,000 to \$5,000, depending on what actual travel costs turn out to be. There is adequate funding in the current Fiscal Year 2022-23 Budget to accommodate approximately up to three participants into the Untapped Fellowship Program. A later budget transfer will likely be required should there be more participants.

**STAFF RECOMMENDATION:**

Approve participation into the WELL Untapped Fellowship Program by any interested Board member.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

VJ:nma

**ATTACHMENT(S):**

1. Exhibit A - WELL Fellowship

# UnTapped Fellowship

## UnTapped: Making a Difference in California Water Policy

UnTapped is a selective, six-month program for local elected Latino leaders that helps participants make an impact on California water policy while addressing individual community water challenges. The UnTapped program creates an opportunity for local leaders to engage with water issues by exploring California's water history & governance, infrastructure, finance, and the impact of climate change on water supply and water quality.

UnTapped sessions currently follow a hybrid model, with four in-person meetings at various watersheds throughout California and four online sessions. Content includes a discussion with water professionals and skill-based exercises that help participants ask better public policy questions and strengthen public speaking and relational skills.

## Developing a Network of Local Elected Officials

WELL's network is composed of more than 600 locally elected Latino leaders from throughout California. Local elected officials, whether city council members, school board members, or elected water district directors, have an incredible influence on water policy and on the delivery of water to our communities. Further, once UnTapped fellows graduate from the program, they are inducted into the WELL UnTapped Network (WUN), where they can continue to engage in learning and training opportunities focused on California water policy. Having such an extensive network means that together we can make our communities more resilient in the face of ongoing water challenges.



**“As elected leaders, we’re asked to make key decisions that affect the health and well-being of our constituents. WELL Untapped helped educate me on critical water issues—making me a better representative for my community.”**

– Carmen Ramirez, Supervisor, District 5 - Chairwoman, County of Ventura (2020 - 2022) and UnTapped graduate class of 2018

**“WELL UnTapped was the perfect venue for becoming educated on water and for networking with other Latino leaders with the same concerns.”**

– Eduardo Martinez, Councilmember, City of Richmond and UnTapped graduate class of 2018

Application to UnTapped 2023



or Click here.



## UnTapped Fellowship 2023 - Session Schedule

No.	Location	Date
1	Coachella Valley	Friday, Jan 20 - Sunday, Jan 22
2	Bakersfield	Friday, Feb 10 - Saturday, Feb 11
3	Virtual #1	Thursday, Mar 2, 6:30 - 8:30 pm
4	In Person. TBD	March 17-18, 2022
5	Virtual #2	Thursday, April 6, 6:30 - 8:30 pm
6	Virtual #3	Thursday, April 27, 6:30 - 8:30 pm
7	Virtual #4	Thursday, May 18, 6:30 - 8:30 pm
8	Sacramento	Tuesday, May 23 – Wednesday, May 24



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** REJECTION OF CLAIM NO.-22-0788 - MARTY AGUILAR VS. WEST VALLEY WATER DISTRICT

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**BACKGROUND:**

Mr. Marty Aguilar, a claimant, alleges that on May 19, 2022, while driving on Santa Ana Avenue he ran over a loose valve box cover that struck the undercarriage of his vehicle causing extensive damage. The claimant also alleges he and his passenger sustained bodily injuries.

**DISCUSSION:**

On May 18, 2022, West Valley Water District staff performed work at the loss location and secured the valve box cover after repairs were complete at 3:00 pm. The next day May 19, 2022, at 8:00 a.m. claimant contacted the WVWD and reported damages to his vehicle as a result of the valve cover becoming loose as claimant drove over it. WVWD employees responded to the loss location on May 19, 2022, at 9:20 a.m. and replaced the cover as it was missing from the valve. The findings are that the valve was secured and confirmed secured by WVWD employees the day prior to this incident. It is unknown how the valve would have become loose without the interference of an unknown third party, between the time of repair and the time of this incident.

The Association of California Water Agencies Joint Powers Insurance Authority (ACWA JPIA) has recommended the District deny the claim.

**FISCAL IMPACT:**

No fiscal impact of claim denial.

**STAFF RECOMMENDATION:**

Approve denial of the claim of Mr. Marty Aguilar as recommended by ACWA JPIA.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

VJ:hms

**ATTACHMENT(S):**

1. Request For BOD Rejection Of Claim - Marty Aguilar





## REQUEST FOR REJECTION OF CLAIM

Claimant Information		
Claimant Name: Marty Aguilar	JPIA Claim #: 22-0788	Date of Incident: 05/19/2022
Claimant Address: 8930 Chantry Avenue, Fontana, CA 92355		Amount of Claim: \$ TBD
Location of Incident: Santa Ana Avenue		
General Description of Claim: Claimant alleges that while driving on Santa Ana Avenue he ran over a loose valve box cover that struck the undercarriage of his vehicle causing extensive damage		

Claim Details:
<p>Claimant alleges that on May 19, 2022 while driving on Santa Ana Avenue he ran over a loose valve box cover that struck the undercarriage of his vehicle causing extensive damage. The claimant also alleges he and his passenger sustained bodily injuries.</p>

Reason For Request Of Claim Denial:
<p>Staff has been instructed by ACWA Joint Powers Insurance Authority to deny the claim. On May 18, 2022 West Valley Water District employee performed work at the loss location and secured the valve box cover after repairs were complete at 3:00 pm. The next day May 19, 2022 at 8.00 a.m. claimant contacted the WVWD and reported damages to his vehicle as a result of the valve cover becoming loose as claimant drove over it. WVWD employees responded to the loss location on May 19, 2022 at 9:20 a.m. and replaced the cover as it was missing from the valve. The findings are that the valve was secured and confirmed secured by WVWD employees the day prior to this incident. It is unknown how the valve would have become loose without the interference of an unknown third party, between the time of repair and the time of this incident.</p>



# REQUEST FOR CLAIM DENIAL

Claimant Name:	JPIA Claim #:	Date of Incident:
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Continuation Page



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** TRANSFER FUNDS REQUEST FROM GENERAL CHECKING TO  
 WVWD INVESTMENT ACCOUNT

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**BACKGROUND:**

At the August 20, 2020, Board of Directors meeting, the WVWD Board of Directors approved and authorized the Chief Financial Officer (CFO) to transfer funds in/out of the District's Chase account to/from the District's investment accounts to take advantage of potential interest earnings. At this meeting, the WVWD Board also requested that the CFO provide a detailed report of all transfers every month and include this report in the monthly financial reports presented to the Board.

Per Section 5 Delegation of Authority of the District's investment policy, authority to manage the District's investment program is derived from California Government Code, Section 53607. Management responsibility for the investment program is hereby delegated to the General Manager and CFO, who shall be responsible for all transactions undertaken and shall establish a system of controls to regulate the activities of subordinate officials, and their procedures in their absence.

**DISCUSSION:**

Agencies are only allowed to have a maximum investment balance of \$75 million into the Local Agency Investment Fund (LAIF). The District has reached the maximum limit with a transfer of \$7.9 million completed on September 12, 2022.

Identified as follows are the alternatives for the remaining excess funds:

1. Leave the funds in the District's non-interest bearing checking account.
2. Transfer funds to CalTRUST Government Fund - Blackrock Liquidity FedFund Portfolio. Current 7-day SEC yield: 1.33%. Yield is net of the 0.17% fee (17 basis points). Invests in US Treasury and Agency Obligations. Current WAM: 35 days.
3. Transfer funds to an US Bank Investment Account managed by Chandler Asset Management, investing in longer-term (3-5 Years) US Treasuries (4.00 – 4.50%) and US Corporates Rated "A" or higher (4.50 – 5.50%) with a longer maturity date. Fees: 0.08% (8

basis points). *\*Yields are subject to change.* \*\*Chandler Asset Management is the District's investment advisor.

**FISCAL IMPACT:**

Potential interest revenue, depending on where the funds are placed.

**STAFF RECOMMENDATION:**

Approve transfer of funds from the District's general checking account to the District's US Bank investment account managed by Chandler Asset Management to earn potential interest.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

VJ;jv



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** TREASURER'S REPORT - AUGUST 2022

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**DISCUSSION:**

West Valley Water District (“District”) engaged the Clifton Larson Allen LLP to prepare West Valley Water District’s (WVWD) Investment report on a monthly basis. The District’s investment policy is in uniformity with the State of California’s Local Agency Investment Guidelines (Government Code Section 53601(b)). Report for the Month of August 2022 is presented to the Finance Committee for discussion.

**FISCAL IMPACT:**

Monthly Cost of \$2,625 was included in the FY 2022-23 annual budget.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to approve the August Treasurer report.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

Vj:jv

**ATTACHMENT(S):**

1. Exhibit A - 2022 August Treasurer Report

**MEETING HISTORY:**

09/27/22 Finance Committee REFERRED TO BOARD

# EXHIBIT A

West Valley Water District  
Cash, Investment & Reserve Balances - August 31, 2022

Institution/Investment Type	July 2022 Balance	August 2022 Balance	RESERVE ACCOUNT	Minimum Balance	Target Balance	Maximum Balance
<b>Funds Under Control of the District:</b>			<b>RESTRICTED FUNDS</b>			
District Cash Drawers	\$ 4,300.00	\$ 4,300.00	2016A Bond	\$ 0.14	\$ 0.14	\$ 0.14
	<b>\$ 4,300.00</b>	<b>\$ 4,300.00</b>	Customer Deposit Accounts	\$ 5,447,843.65	\$ 5,447,843.65	\$ 5,447,843.65
Checking and Savings:			Capacity Charge Acct Balance	\$ 50,875,561.11	\$ 50,875,561.11	\$ 50,875,561.11
Chase - General Government Checking	\$ 2,026,703.26	\$ 4,197,453.08	CIP account in LAIF for capital purposes	\$ 3,000,000.00	\$ 3,000,000.00	\$ 3,000,000.00
Chase - Special Rebate Checking	\$ -	\$ -		<b>\$ 59,323,404.90</b>	<b>\$ 59,323,404.90</b>	<b>\$ 59,323,404.90</b>
Chase - UTC Routine Checking	\$ 5,000.56	\$ 5,000.56	<b>CAPITAL RESERVE FUNDS</b>			
Chase - UTC Non-Routine Checking	\$ 48,636.50	\$ 48,636.50	Capital Project Account - 100% FY 22-23	\$ 7,827,687.00	\$ 7,827,687.00	\$ 10,000,000.00
	<b>\$ 2,080,340.32</b>	<b>\$ 4,251,090.14</b>	Capital Project Account-80% FY 23-24	\$ 4,868,000.00	\$ 4,868,000.00	\$ 8,000,000.00
State of California, Local Agency Investment Fund	\$ 67,030,977.79	\$ 67,030,977.79	Administrative & General Account	\$ 1,582,998.10	\$ 1,582,998.10	\$ 1,582,998.10
US Bank - Chandler Asset Mgmt	\$ 23,518,497.42	\$ 23,224,775.44		<b>\$ 14,278,685.10</b>	<b>\$ 14,278,685.10</b>	<b>\$ 19,582,998.10</b>
CalTrust Pooled Investment Fund - Short Term	\$ 16,685,213.89	\$ 16,713,318.98	<b>LIQUIDITY FUNDS</b>			
CalTrust Pooled Investment Fund - Medium Term	\$ -	\$ -	Rate Stabilization Account	\$ 985,094.40	\$ 2,955,283.20	\$ 4,925,472.00
U. S. Treasury Bills	\$ -	\$ -	Operating Reserve Account	\$ 5,276,660.33	\$ 10,553,320.67	\$ 15,829,981.00
Government Agencies (Federal Home Loan Bank)	\$ -	\$ -	Emergency Account	\$ 1,253,238.36	\$ 2,506,476.72	\$ 3,759,715.08
Total	<b>\$ 109,319,329.42</b>	<b>\$ 111,224,462.35</b>	Water Banking Account	\$ 125,000.00	\$ 625,000.00	\$ 1,250,000.00
Funds Under Control of Fiscal Agents:				<b>\$ 7,639,993.09</b>	<b>\$ 16,640,080.59</b>	<b>\$ 25,765,168.08</b>
<b>US BANK</b>			<b>OTHER RESERVES</b>			
2016A Bond - Principal & Payment Funds	\$ -	\$ -	Self-Insurance Reserve	\$ 5,000,000.00	\$ 5,000,000.00	\$ 5,000,000.00
2016A Bond - Interest Fund	\$ 0.14	\$ 0.14		<b>\$ 5,000,000.00</b>	<b>\$ 5,000,000.00</b>	<b>\$ 5,000,000.00</b>
Total	<b>\$ 0.14</b>	<b>\$ 0.14</b>	<b>OPERATING CASH</b>			
<b>Grand Total</b>	<b>\$ 109,319,329.56</b>	<b>\$ 111,224,462.49</b>	Balance Available for Daily Operations	\$ 24,982,379.40	\$ 15,982,291.90	\$ 1,552,891.41
				<b>\$ 24,982,379.40</b>	<b>\$ 15,982,291.90</b>	<b>\$ 1,552,891.41</b>
			<b>Grand Total</b>	<b>\$ 111,224,462.49</b>	<b>\$ 111,224,462.49</b>	<b>\$ 111,224,462.49</b>
			<b>UNRESTRICTED RESERVES</b>	<b>\$ 51,901,057.59</b>		

I hereby certify that the investment activity for this reporting period conforms with the investment policy adopted by the West Valley Water District Board of Directors and the California Government Code Section 53601

I also certify that there are adequate funds available to meet the District's Budget.

*Van Jew*  
Acting General Manager



## West Valley Water District Investment Memo – August 2022

**Note:**

All significant assumptions, methodologies and analyzed amounts were discussed with and agreed to by the District's accounting staff. From this conversation, we believe the District's accounting staff has the requisite knowledge and understanding of the processes/analyses prepared by CLA as not to impair our independence.

**Total Fund Balance**

When comparing the District's total fund balances month-over-month between August (\$111,224,462.49) and July (\$109,319,329.56), CLA found the \$1,905,132.93 increased fund balance between August and July.

**U.S. Bank Chandler Custodial Account**

**Cash/Money Market** - Per Section 9.11 of the District's investment policy, "The company shall have met either one of the following criteria: 1) attained the highest ranking or the highest letter and numerical rating provided by not less than two NRSROs "Nationally Recognized Statistical Rating Organization" or 2) retained an investment adviser registered or exempt from registration with the Securities and Exchange Commission with not less than five years of experience managing money market mutual funds with assets under management in excess of five hundred million dollars." Based on Chandler Asset Management's reconciliation summary for the period ending August 31, 2022, CLA was able to confirm the District's cash and money-market securities were in accordance with the investment policy. CLA also conducted a review of the District's cash and money-market securities and found that all the District's holdings were in alignment with the requirements set forth in the investment policy.

In addition to ensuring that the District's money market funds attained the highest ranking provided by more than one NRSRO, the District also met the requirements outlined in Section 9.11 of the investment policy through its established relationship with Chandler Asset Management. With total assets under management of over \$25 billion with over thirty years of experience in managing money market mutual funds, Chandler Asset Management exceeds the requirements of the District's policy.

Per the investment policy, the maximum percentage of District investments in money market funds is capped at 20%. Similarly, the allowable mutual fund and money market account instruments per California government code (Sections 53601(I) and 53601.6(b)) for local government entities are also capped at 20%. The District's money market balance percentage as of August 31, 2022 is 0.09%. Therefore, the District is following both the investment policy and California governmental code.

**United States Treasury Issues** – Per Section 9.1 of the investment policy, "there's no limitation as to the percentage of the portfolio that may be invested in this category, however, maximum investment maturities are limited to up to five years." Based on CLA's analysis, the purchase dates for all United States Treasury Issues fall within the five-year framework established in the investment policy.

The District's investment policy is in uniformity with the State of California's Local Agency Investment Guidelines (Government Code Section 53601(b)). These guidelines do not establish a maximum specified percentage of the District's investment portfolio for United States Treasury Obligations. The State of California's guidelines do, however, establish that maximum investment maturities for United States Treasury Obligations are limited to five years. As of August 31, 2022, 7.8% of the District's total portfolio

## West Valley Water District Investment Memo – August 2022

is invested in United States Treasury Issues. With no maximum percentage established for United States Treasury Issues, the District is in conformity with the investment policy and the State of California's Local Agency Investment Guidelines.

**Negotiable Certificates of Deposit** – Section 9.4 of the District's investment policy states "purchases are limited to securities that have a long-term debt rating of at least the "A" category, or its equivalent, by a NRSRO." All instruments categorized as negotiable certificates of deposit in the District's portfolio follow Section 9.4 of the investment policy, as each security has a satisfactory long-term debt rating, and the investment matures within the five-year time frame as dictated in the policy. Based on CLA's analysis, the purchase dates for all medium-term notes fall within the five-year framework established in the investment policy.

Per Section 9.4 of the investment policy, the maximum percentage of investments in negotiable certificates of deposit is 30% of the portfolio.

The District's investment policy is also in accordance with the State of California's Local Agency Investment Guidelines (Government Code Section 53601(i)) regarding negotiable certificates of deposit. These guidelines establish a maximum specified percentage of the District's investment portfolio for certificates of deposit at 30%. The State of California's guidelines also establish that maximum investment maturities for medium-term notes are limited to five years.

Negotiable certificates of deposit constitute 0.0% of the District's total investment balance as of August 31, 2022. Therefore, the District is following both the investment policy and the State of California's standards.

**Medium-Term Notes** – Section 9.10 of the District's investment policy states "purchases are limited to securities that have a long-term debt rating of at least the "A" category, or its equivalent, by a NRSRO." The investment policy also states that medium-term notes should have a "maximum remaining maturity of five years or less." All instruments categorized as medium-term notes in the District's portfolio follow Section 9.10 of the investment policy, as each security has a satisfactory long-term debt rating, and the investment matures within the five-year time frame as dictated in the policy. Based on CLA's analysis, the purchase dates for all medium-term notes fall within the five-year framework established in the investment policy.

Per Section 9.10 of the investment policy, the maximum percentage of investments in medium short-term notes is 30% of the portfolio.

The District's investment policy is also in accordance with the State of California's Local Agency Investment Guidelines (Government Code Section 53601(k)) regarding medium-term notes. These guidelines establish a maximum specified percentage of the District's investment portfolio for medium-term notes at 30%. The State of California's guidelines also establish that maximum investment maturities for medium-term notes are limited to five years.

Medium-term notes constitute 5.4% of the District's total investment balance as of August 31, 2022. Therefore, the District is following both the investment policy and the State of California's standards.

**Federal Agency Obligations** – Per Section 9.5 of the District's investment policy, "there is no limitation as to the percentage of the portfolio that may be invested in this category, however, purchases of

## West Valley Water District Investment Memo – August 2022

callable Federal Agency obligations are limited to a maximum of 30 percent of the portfolio.” Although the policy does not explicitly list the bond rating requirements for federal agency obligations, all the District’s current federal agency holdings are rated AAA by multiple NRSRO’s as of August 31, 2022.

While the District’s investment policy caps federal agency obligations at 30 percent of the investment portfolio, the State of California’s Local Agency Investment Guidelines have not established a maximum specified percentage for investments in federal agency obligations (Government Code Section 53601(f)). However, these guidelines are in accordance with the District’s investment policy which state maximum investment maturities for federal agency obligations are limited to five years.

The maximum percentage of the District’s investments in federal agency obligations is 30% of the portfolio. Federal agency obligations represent 6.5% of the District’s total investment balance as of August 31, 2022. Therefore, the District is in accordance with both its investment policy as well as the guidelines set-forth by the State of California.

### **Local Agency Investment Fund (LAIF)**

The State of California, Local Agency Investment Fund (LAIF) processes a same-day transaction if notified by 10:00 am. This ability satisfies the investment requirement of 24-hour liquidity as stipulated in the investment policy for the District.

Per Section 9.2 of the District’s investment policy, the maximum percentage of investments in the State of California, Local Agency Investment Fund is unlimited.

The District’s investment policy is also in accordance with the State of California’s Local Agency Investment Guidelines (Government Code Section 16429.1) concerning the Local Agency Investment Fund. These guidelines establish no maximum specified percentage of the District’s investment portfolio while also dictating no maximum maturity date for LAIF investments.

Per the Standard and Poor’s rating system, California’s Current Credit Rating is AA-, identifying the credit quality of the fund’s portfolio performance as strong.

As of the period ending August 31, 2022, the District’s Local Agency Investment Fund balance represents 60.3% of the District’s entire portfolio. Therefore, the District is following the investment policy as well as the standards of the Local Agency Investment Guidelines.

Based on the LAIF performance report for the month-ending August 31, 2022, LAIF investments had a net-yield of 1.276%. Regarding portfolio composition, LAIF fund investments were split into the following categories (percentages may not total 100% due to rounding):

- Treasuries- 68.57%
- Agencies- 18.86%
- Certificates of Deposit/Bank Notes- 5.59%
- Commercial Paper- 4.40%
- Time Deposits- 2.01%
- Loans- 0.36%
- Corporate Bonds- 0.21%

## West Valley Water District Investment Memo – August 2022

On March 20, 2019, the District received a \$3 million dollar settlement as part of a larger association of local water districts and municipalities, from the San Gabriel Valley Water Company, Fontana Union Water Company, and the San Gabriel California Corporation. Per the settlement agreement, “West Valley and the non-settling plaintiffs separately asserted six claims alleging breach of contract and other claims arising from the 1961 Decree.” The 1961 Decree governs groundwater pumping from a portion of the Rialto-Colton Basin. The claims also concern the defendants (Fontana Parties) pumping from a portion of the Rialto-Colton Basin that is outside the Rialto Basin as defined by the 1961 Decree. The San Bernardino Basin Area and most but not all the Rialto-Colton Basin are located within the service area of the Valley District and this violation served as the basis of the settlement.

The settlement check was received and deposited into the District’s General Government Checking bank account and the District’s board approved the transfer of the \$3 million in settlement funds to the District’s LAIF account on April 4, 2019. While these funds have been earmarked for Capital Improvement Projects, the District has yet to allocate these funds to any specific project and the District will house all settlement funding in the LAIF account until board approval is received for the allocation of these funds.

In September 2022, the District’s LAIF balance has reached a \$75 million deposit limit on regular LAIF accounts.

#### **The Investment Trust of California (Cal TRUST)**

The District maintains investments in the CalTRUST Short-Term Fund. For the month ending August 31, 2022 the Net Asset Value per share was \$9.99 (\$16,713,318.98 book value) for CalTRUST Short-Term Fund investments. Per the CalTRUST Month End Portfolio Statistics dated August 31, 2022, the credit rating for the Short-Term Fund is AAF, identifying the credit quality of the fund’s portfolio performance as very strong.

Section 9.3 of the District’s investment policy states “no limit will be placed on the percentage total in this category.” The State of California also fails to establish a maximum percentage total for investment trusts per Government Code Section 16340. As of the period ending August 31, 2022, the District’s CalTRUST investment balance represents 15.0% of the District’s entire portfolio. Therefore, the District is following the investment policy and the standards set-forth by the State of California as it relates to CalTRUST securities.

#### **Bank Deposits**

Based on the District’s investment policy, “Securities placed in a collateral pool must provide coverage for at least 100 percent of all deposits that are placed in that institution.” As of August 31, 2022, the District maintained balances within the FDIC limit of \$250,000 for each of its bank accounts, except for the Chase General Governmental Checking account. The Chase General Governmental Checking account maintains funds for operational purposes and normally carries a balance of at least \$1.5 million dollars which represents funding for one payroll, and one accounts payable check run. In CLA’s comparison between the District’s general checking account balances for August 2022 (\$4,197,453.08) and July 2022 (\$2,026,703.26), CLA observed an increase in the August 2022 account balance of \$2,170,749.82 versus July 2022 due to a few factors. The District collected \$997,740 of capacity charges and received

## West Valley Water District Investment Memo – August 2022

quarterly UTC payment of \$308,973.60 from Raytheon. Any remaining difference is due to normal monthly activity.

The District transferred \$7.9 million to the LAIF account on September 12, 2022, after the board approved the transfer. Due to the \$75 million limit on regular LAIF accounts, the District will deposit subsequent excess funds to the US Bank investment account for a medium to long term investment strategy.

During our review of the August 2022 Chase General Governmental Checking account bank statement, it was noted that there were 3 reversals of fraudulent ACH debits and 1 fraudulent check totaling \$2,324.00 and \$2,600.90, respectively.

Regarding the ACH Debits, West Valley Water District (“WVWD”) has a policy where the bank emails an ACH exception report for WVWD to review and reject as needed. If WVWD does not respond to the email, the current arrangement is for exception to be automatically rejected.

Regarding the fraudulent checks, Chase Bank has a similar procedure where a check exception report is issued for WVWD to review and reject fraudulent checks as needed. Currently, WVWD has implemented check number and amount positive pay.

While the District reconciles its deposit accounts monthly, CLA found that the District has historically reported the month-ending bank statement balance on the Treasurer’s Report. Because the monthly bank statement does not take any outstanding checks or other withdrawals into account, the District may be overstating the General Government Checking balances on the Treasurer’s Report, which ultimately impacts its liquidity.

In August, the UTC Routine Checking account was \$5,000.56 and the UTC Non-Routine Checking account balance was \$48,636.50. The balances in both accounts went remained unchanged between August 2022 and July 2022. The relatively low balances in both accounts (in comparison with the historical balances) is due to the formal CFO’s emphasis on transferring more of its unrestricted cash balances to the District’s investments accounts to take advantage of the increased rate of return.

In analyzing the accounting for the District’s cash drawers (\$3,600) and petty cash (\$700), per the District’s accounting staff, the District’s cash drawers are normally reconciled daily. Each drawer is counted by the customer service representative responsible for the drawer and a secondary count is performed by the customer service lead or supervisor prior to the funds being relinquished to the District’s armored security provider, Gaurda, for deposit daily. Cash deposits are reconciled daily by the District’s accounting department. Petty cash is normally reconciled by the accounting department monthly. The District’s accounting department provided CLA with a formalized reconciliation for the petty cash account as of August 31, 2022 to verify the \$700 petty cash balance. The District was unable to provide a formalized cash drawer reconciliation for August 2022.

Section 9.12 of the investment policy asserts that “there is no limit on the percentage of the portfolio that may be invested in bank deposits.” Similarly, the State of California’s Government Code for Allowable Investment Instruments fails to dictate any portfolio standards for general bank deposit accounts. Although no maximum has been established for amounts invested in bank deposits by the investment policy or the State of California, CLA can verify that as of August 31, 2022 the District had 3.8% of its portfolio invested in bank deposit accounts.

## West Valley Water District Investment Memo – August 2022

**Commercial Paper**

Commercial paper is an unsecured, short-term debt instrument issued by a corporation, typically for the financing of accounts payable and inventories and meeting short-term liabilities. Commercial paper is usually issued at a discount from face value and typically reflects prevailing market interest rates. Per section 9.8 of the investment policy, the entity that issues the commercial paper should meet all the following conditions “(i) is organized and operating in the United States as a general corporation, (ii) has total assets in excess of five hundred million dollars (\$500,000,000), and (iii) has debt other than commercial paper, if any, that is rated at least the “A” category by a NRSRO. For a commercial paper investment to be eligible for the District, the commercial paper shall not have a maximum maturity of 270 days or less and no more than 25% of the District’s portfolio may be invested in this category.

The District’s investment policy is also in accordance with the State of California’s Local Agency Investment Guidelines (Government Code Section 53601 (h)) regarding Commercial Paper. These guidelines establish a maximum specified percentage of the District’s investment portfolio for commercial paper at 25%. The State of California’s guidelines also establish that maximum investment maturities for commercial paper should be 270 days or less.

As of August 31, 2022, the District had 0.1% invested in commercial paper investment, which maintained a maturity date of less than 270 days from the purchase date. Therefore, the District is following both the investment policy and the State of California’s standards.

**Supranational**

Supranationals are explicitly defined in Section 9.14 of the investment policy as “US dollar-denominated senior unsecured unsubordinated obligations or unconditionally guaranteed by the International Bank for Reconstruction and Development, International Finance Corporation, or Inter-American Development Bank”. Securities listed as supranationals must be rated in the AA category or higher by a NRSRO and no more than 30% of the District’s portfolio may be invested in these securities with a maximum maturity of five years.

The District’s investment policy is also in accordance with the State of California’s Local Agency Investment Guidelines (Government Code Section 53601(q)) regarding supranationals. These guidelines establish a maximum specified percentage of the District’s investment portfolio for supranationals at 30%. The State of California’s guidelines also establish that maximum investment maturities for supranationals should be five years or less.

As of August 31, 2022, the District’s investments in five securities categorized as supranationals was 1.0% of the total portfolio and securities maintained a maturity date of less than five years from the original purchase date. CLA can confirm that the District’s supranational investments meet the standards of both the investment policy and the State of California.

## West Valley Water District Reserve Memo – August 2022

**Note:**

All significant assumptions, methodologies and analyzed amounts were discussed with and agreed to by the District's accounting staff. From this conversation, we believe the District's accounting staff has the requisite knowledge and understanding of the processes/analyses prepared by CLA as not to impairment our independence.

**Restricted Funds**

**Bond Proceeds Fund(s)** – Balances in the bond proceeds fund accounts represent monies derived from the proceeds of a bond issue. Per the requirements of the District's reserve policy, the target level for the debt service reserve requirement is established at the time of the bond issue. Based on documentation provided to CLA, "no reserve fund has been established in connection with the issuance of the 2016A bonds." Therefore, the August 31, 2022 ending balance of \$0.14 satisfies the minimum balance requirements per the District's reserve policy.

**Customer Deposit Accounts** – Due to fluctuations in the number of utility customer deposits required and the number of development projects in process, no minimum or maximum levels have been established for customer deposit accounts. The customer deposit account balances presented on the treasurer's report are based on the ending balance on the general ledger for the month. The customer deposit accounts are reconciled monthly. CLA was able to confirm that the customer deposit accounts balance presented on the August 2022 Treasurer's Report reconciles with the District's general ledger. The August 31, 2022 balance of \$5,447,843.65 in customer deposit accounts satisfies the balance requirements of the District's reserve policy.

**Capacity Charge Account** – The District's reserve policy does not explicitly address or specify any minimum or maximum funding levels for capacity charge accounts. However, based on the reconciliation schedule provided by the District, CLA can confirm that the balance of \$50,875,561.11 presented on the August 2022 Treasurer's Report for the Capacity Charge Account reconciles with the documentation provided to CLA with no variance.

**CIP Account in LAIF for Capital Purposes** – On March 20, 2019, the District received a \$3 million dollar settlement as part of a larger association of local water districts and municipalities, from the San Gabriel Valley Water Company, Fontana Union Water Company and the San Gabriel California Corporation. The check was received and deposited into the District's General Government Checking bank account and the District's board approved the transfer of the \$3 million dollars in settlement funds to the District's LAIF account on April 4, 2019. While these settlement funds have been restricted for Capital Improvement Projects, currently there are no designations or allocations for District funding towards any Capital Improvement Projects.

**Capital Reserve Funds**

**Capital Project Account** – The capital project account is used for the funding of new capital assets or the rehabilitation, enhancement, or replacement of capital assets when they reach the end of their useful lives. Per the requirements of the District's reserve policy, "the minimum target level WVWD will strive for is 100% of its then-current year fiscal year from the Capital Improvement Budgets plus 80% of the amount estimated to be needed the following fiscal year." The District currently maintains a balance of \$12,695,687.00 (\$7,827,687.00 for fiscal year 2022-23 and \$4,868,000.00 for fiscal year 2023-24) in its

## West Valley Water District Reserve Memo – August 2022

capital project account, meeting the minimum target level required for both fiscal years. Based upon the inquiry of finance department personnel, certain projects are no longer included in the capital improvement reserve in the board approved budget for the FY 22-23 because those projects are funded directly from the Capacity Charge Restricted Fund. CLA was able to confirm that the District is in adherence with the minimum target level requirement as of August 31, 2022 by comparing the board-approved 2022-23 Capital Improvement Budget which indicates a total CIP (Operating Revenues + Capacity Charges + FY 2021-22 Carryover Balance) for fiscal year 2022-23 of \$7,827,687.00. The reserve policy only requires the district to maintain 80% of the amount estimated to be needed the following fiscal year (2023-24) which amounts to \$4,868,000.00, therefore, the District meets the requirement indicated in its reserve policy.

**Administrative & General Account** – The administrative and general account is utilized to fund certain general, administration and overhead projects. While no specific target level has been earmarked for either project, the District hopes to maintain a minimum balance in the administrative and general account equal to 5% of its annual operating expenses. Per the FY 2022-23 board-approved budget, CLA can confirm the District has an operating expenses budget of \$31,659,962.37. As of August 31, 2022, the administrative and general account contains \$1,582,998.10 which satisfies the 5% minimum requirement of the District’s reserve policy.

### Liquidity Funds

**Rate Stabilization Fund** – This fund is established to provide flexibility to the Board when settling rates to allow for absorbing fluctuations in water demand and smoothing out rate increases over time, temporarily defraying any unforeseen decreases in the sale of water. To remain in conjunction with the reserve policy, the District should aim to maintain a minimum level equal to 5% of water sales. Per the FY 2022-23 board-approved budget, the District anticipates water revenues of \$19,701,887.62 for the current fiscal year. Therefore, CLA can verify that the District’s current balance of \$985,094.40 in its rate stabilization account achieves the minimum target level for this account as indicated in the reserve policy.

**Operating Reserve Account** – This fund may be routinely utilized by staff to cover temporary cash flow deficiencies caused by timing differences between revenue and expenses or decreases in revenues and unanticipated increases in expenses. Given the significance of this account, the District strives to maintain a minimum amount equal to 60 days of the District’s budgeted total operating expenses in this account. Per the FY 2022-23 board-approved budget, CLA can confirm the District has an operating expenses budget of \$31,659,962.37. As of August 31, 2022, the operating reserve account maintains a balance of \$5,276,660.33, which satisfies the requirements of the District’s reserve policy.

**Emergency Account** – The emergency account may be utilized to purchase water at any time or to begin repair of the water system after a catastrophic event. Therefore, a minimum target level equal to 1% of net capital assets of the District’s water system has been established to enable the district to manage emergency situations. Per August 31, 2022 general ledger detail reporting provided by the District’s accounting staff, CLA was able to confirm that the District’s net assets total \$125,323,835.95. As of August 31, 2022, the emergency account represents a balance of \$1,253,238.36 or 1% of total net assets, allowing the District to meet its requirements for the reserve policy.



## West Valley Water District Reserve Memo – August 2022

**Water Banking Account** – The District’s reserve policy states “The District will strive to maintain a minimum level equal to the cost of 1,000 acre-feet of water and a maximum amount equal to the cost of 10,000 acre-feet of water.” Per an invoice from the San Bernardino Valley Municipal Water District, CLA can confirm that the District currently pays \$125 per acre-feet of water. By maintaining a balance of \$125,000 in its Water Banking Account, the District is in adherence with its reserve policy.

**Self-Insurance Reserve** – As indicated in the minutes from the April 5, 2018 board meeting, the District’s board of directors approved \$5,000,000 in funds for employee liability claims and this amount is considered adequate based on conversations with the District’s CFO.

**Balance Available for Daily Operations** – This balance represents the District’s total cash balance less any fund requirements. For the month ending August 31, 2022, the District had a total of \$111,224,462.49 in various institutional accounts. The required reserve balances by type total \$86,242,083.09 and are categorized as follows:

- Restricted Funds- \$59,323,404.90
- Capital Reserve Funds- \$14,278,685.10
- Liquidity Funds- \$7,639,993.09
- Other Reserves- \$5,000,000.00

Based on the District’s Treasurer’s Report, which indicates a total cash balance of \$111,224,462.49 and fund requirements of \$86,242,083.09, the fund balance available for daily operations reconciles to the August 2022 Treasurer’s report.

CLA reviewed the Treasurer’s report for clerical accuracy and recalculated the total Unrestricted Reserves balance and agreed the totals to the August 2022 Treasurer’s Report. The Treasurer’s Report indicates that West Valley Water District’s total cash, investment, and reserve balances as of August 31, 2022 total \$111,224,462.49. In its assessment of the District’s accounts, the balances on the Treasurer’s Report appear to agree with the supporting documentation provided by the West Valley Water District.

West Valley Water District  
Investment Policy Analysis  
August 31, 2022

U.S. Bank - Chandler Asset Management		
Money Market	104,239.29	A
Commercial Paper	99,805.00	A
Federal Agency Obligations	7,225,387.40	A
U.S. Government	8,698,490.75	A
Corporate Bonds	5,971,950.50	A
Supranational	1,124,902.50	A
Negotiable CD	-	A
<b>Total U.S. Bank - Chandler Asset Management Funds</b>	<b>23,224,775.44</b>	

Checking and Savings		
Bank of Hope	-	B
Chase-1653 (Operating Account)	4,197,453.08	B
Chase-1368	5,000.56	B
Chase-1392	48,636.50	B
Chase-5993 (Rebate Account)	-	B
2016A Bond - Principal & Payment Funds	-	B
2016A Bond - Interest Fund	0.14	B
District Cash Drawers	4,300.00	C
<b>Total Checking and Savings</b>	<b>4,255,390.28</b>	

CalTRUST Short Term Fund	16,713,318.98	A
CalTRUST Medium Term Fund	-	A
LAIF	67,030,977.79	A
<b>Total August 31, 2022 District Funds</b>	<b>111,224,462.49</b>	

The balances indicated above are as of August 31, 2022

- Balances verified with monthly investment statements provided by client **A**
- Balances verified with monthly bank statements provided by client **B**
- Balances verified with monthly reconciliations provided by client **C**

The purpose of this report is to calculate the asset class percentage in comparison with the maximum portfolio percentage allowed by the district's investment policy

Based on our review of the asset classes as of 08/31/22, West Valley Water District is in compliance with its investment policy

Security Type	Maximum per Investment Policy	Balance
Commercial Paper	25%	99,805.00
Federal Agency Obligations	30%	7,225,387.40
U.S. Government	No Limit	8,698,490.75
LAIF	No Limit	67,030,977.79
CalTRUST	No Limit	16,713,318.98
Negotiable CD	30%	-
Medium Term Notes (Corporate Bonds)	30%	5,971,950.50
Money Market	20%	104,239.29
Bank Deposits	No Limit	4,255,390.28
Supranational	30%	1,124,902.50
		111,224,462.49
<b>Funds Excluded from Policy</b>	2016A	-
<b>Total August 31, 2022 District Funds</b>		<b>111,224,462.49</b>

Asset Class	August 2022	
	(% of Total Investments)	Maximum Portfolio (%)
Commercial Paper	0.1%	25%
Federal Agency Obligations	6.5%	30%
U.S. Government	7.8%	No Limit
LAIF	60.3%	No Limit
CalTRUST	15.0%	No Limit
Negotiable CD	0.0%	30%
Medium Term Notes (Corporate Bonds)	5.4%	30%
Money Market	0.09%	20%
Bank Deposits	3.8%	No Limit
Supranational	1.0%	30%

West Valley Water District  
 Bond Analysis  
 August 31, 2022

Federal Agency Obligations						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Purchase Date	Maturity	Investment Maturity (Years)
F H L M C - 3137EAEN5	248,345.00	Aaa	Yes	8/7/2018	6/19/2023	4.8
F H L M C - 3137EAES4	175,303.80	Aaa	Yes	6/24/2020	6/26/2023	3.0
FFCB Note 3133EKZK5	245,337.50	Aaa	Yes	8/19/2019	8/14/2023	3.9
Federal Home Loan Bks - 313383YJ4	249,262.50	Aaa	Yes	11/29/2018	9/8/2023	4.7
F N M A - 3135G0U43	233,268.05	Aaa	Yes	9/12/2018	9/12/2023	4.9
FHLMC MTN- 3137EAEZ8	481,150.00	Aaa	Yes	10/7/2020	11/6/2023	3.0
F N M A - 3135G06H1	418,078.50	Aaa	Yes	11/23/2020	11/27/2023	3.0
FHLMC MTN- 3137EAFA2	335,769.00	Aaa	Yes	12/2/2020	12/4/2023	3.0
Federal Home Loan Bks - 3130A0F70	239,354.40	Aaa	Yes	12/13/2018	12/8/2023	4.9
Federal Home Loan Bks - 3130AB3H7	186,663.60	Aaa	Yes	4/8/2019	3/8/2024	4.8
Federal Home Loan Bks - 3130A0XE5	248,607.50	Aaa	Yes	3/19/2019	3/8/2024	4.9
FFCB Note 3133EKNX0	244,805.00	Aaa	Yes	6/25/2019	6/3/2024	4.9
Federal Home Loan Bks - 3130A1XJ2	246,882.50	Aaa	Yes	6/12/2019	6/14/2024	4.9
F N M A - 3135G0V75	242,547.50	Aaa	Yes	7/8/2019	7/2/2024	4.9
FFCB- 3133EKP75	241,185.00	Aaa	Yes	10/15/2019	9/17/2024	4.9
F N M A - 3135G0W66	240,417.50	Aaa	Yes	10/17/2019	10/15/2024	4.9
F N M A - 3135G0X24	91,105.95	Aaa	Yes	1/8/2020	1/7/2025	4.9
Federal Home Loan Mortgage Company - 3137EAEP0	271,858.65	Aaa	Yes	2/13/2020	2/12/2025	4.9
F N M A Deb - 3135G03U5	157,408.10	Aaa	Yes	4/22/2020	4/22/2025	4.9
F N M A - 3135G04Z3	261,986.25	Aaa	Yes	6/17/2020	6/17/2025	4.9
F H L M C - 3137EAEU9	320,159.00	Aaa	Yes	7/21/2020	7/21/2025	4.9
F N M A - 3135G05X7	465,196.50	Aaa	Yes	10/6/2020	8/25/2025	4.8
Federal Home Loan Bks - 3130A1XA2	273,213.00	Aaa	Yes	10/7/2020	9/12/2025	4.9
FHLMC MTN - 3137EAEX3	200,382.60	Aaa	Yes	9/23/2020	9/23/2025	4.9
F N M A - 3135G06G3	455,020.00	Aaa	Yes	11/1/2020	11/7/2025	4.9
Federal Home Loan Bks - 3130AKFA9	452,080.00	Aaa	Yes	12/16/2020	12/12/2025	4.9
<b>Total Federal Agency Obligations</b>	<b>7,225,387.40</b>					

Negotiable Certificate of Deposit						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Purchase Date	Maturity	Investment Maturity (Years)
<b>Total Negotiable Certificates of Deposit</b>	-					

Money Market Fund						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Purchase Date	Maturity	Investment Maturity (Years)
First American Govt Obligation Fund Class Y - 31846V203	104,239.29	Aaa	Yes	various		
<b>Total Money Market</b>	<b>104,239.29</b>					

Commercial Paper						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Purchase Date	Maturity	Investment Maturity (Years)
Toyota Mtr Cr Corp Disc Coml C P - 89233HJW5	99,805.00	P-1	Yes	1/28/2022	9/30/2022	0.7
<b>Total Commercial Paper</b>	<b>99,805.00</b>					

Supranational						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Inception Date	Maturity	Investment Maturity (Years)
Inter American Devel Bk - 4581X0CZ9	249,902.50	Aaa	Yes	5/10/2018	9/14/2022	4.3
International Finance Corp - 45950KCR9	239,060.00	Aaa	Yes	7/12/2021	10/16/2024	3.2
International Bank M T N - 459058JL8	181,600.00	Aaa	Yes	10/22/2020	10/28/2025	4.9
Inter American Devel Bk - 4581X0DV7	454,340.00	Aaa	Yes	4/13/2021	4/20/2026	5.0
<b>Total Supranational</b>	<b>1,124,902.50</b>					

U.S. Corporate						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Inception Date	Maturity	Investment Maturity (Years)
Visa Inc Callable Note Cont 92826CAC6	149,848.50	Aa3	Yes	12/13/2018	12/14/2022	3.9
Charles Schwab Corp - 808513AT2	149,595.00	A2	Yes	6/8/2018	1/25/2023	4.6
Berkshire Hathaway Inc. - 084670BR8	149,736.00	Aa2	Yes	5/9/2018	3/15/2023	4.8
Toyota Motor Credit Corp. - 89236TJD8	142,562.55	A1	Yes	4/6/2021	4/6/2023	2.0
Apple Inc. - 037833AK6	148,966.50	Aaa	Yes	4/11/2019	5/3/2023	4.0
Walmart Inc - 931142EK5	150,379.50	Aa2	Yes	6/26/2018	6/26/2023	4.9
Bank of NY Mellon Corp - 06406FAD5	295,866.00	A1	Yes	3/15/2021	8/16/2023	2.4
John Deere Capital Corp - 24422EVN6	320,732.35	A2	Yes	3/1/2021	1/17/2024	2.8
National Rural Util Coop - 637432NLS	197,694.00	A1	Yes	4/6/2022	2/7/2024	1.8
Bank of America - 06051GHF9	124,495.00	A2	Yes	5/29/2019	3/5/2024	4.7
Schwab Charles Corp. - 808513BN4	100,564.80	A2	Yes	3/16/2021	3/18/2024	3.0
Amazon Com Inc. - 023135BW5	284,505.00	A1	Yes	5/10/2021	5/12/2024	3.0
Jpmorgan Chase Co - 46625HJX9	299,271.00	A2	Yes	12/5/2019	5/13/2024	4.4
Caterpillar Fini Service - 14913R2L0	293,117.40	A2	Yes	5/10/2021	5/17/2024	3.0
Salesforce Com Inc - 79466LAG9	47,348.50	A2	Yes	6/29/2021	7/15/2024	3.0
US Bancorp - 91159HHX1	146,371.50	A2	Yes	2/5/2021	7/30/2024	3.4
Paccar Financial Corp - 69371RR40	112,642.80	A1	Yes	8/3/2021	8/9/2024	3.0
Paccar Financial Corp - 69371RR73	229,160.25	A1	Yes	3/31/2022	4/7/2025	3.0
Pfizer Inc Sr Glbl Nto - 717081EX7	115,711.25	A2	Yes	6/3/2020	5/28/2025	4.9
State Str Corp - 857477BR3	75,314.40	A1	Yes	2/27/2022	2/6/2026	3.9
Apple Inc. - 037833EB2	158,123.00	Aaa	Yes	2/5/2021	2/8/2026	4.9
Unitedhealth Group Inc. - 91324PEC2	54,657.00	A3	Yes	6/16/2021	5/15/2026	4.8
Walmart Inc - 931142ER0	54,313.80	Aa2	Yes	9/8/2021	9/17/2026	5.0
Target Corp - 87612EBM7	130,295.20	A2	Yes	1/19/2022	1/15/2027	4.9
Procter Gamble Co The - 742718FV6	280,917.00	Aa3	Yes	2/1/2022	2/1/2027	4.9
Charles Schwab Corp - 808513BY0	88,623.60	A2	Yes	3/1/2022	3/3/2027	4.9
Berkshire Hathaway Fin - 084664C22	263,575.20	Aa2	Yes	3/7/2022	3/15/2027	5.0
Blackrock Inc - 09247XAN1	245,942.50	Aa3	Yes	4/27/2022	3/15/2027	4.8
Northern Tr Corp Sr Nt - 665859AW4	298,893.00	A2	Yes	5/5/2022	5/10/2027	4.9
Unitedhealth Group Inc - 91324PEG3	103,790.40	A3	Yes	5/17/2022	5/15/2027	4.9
Toronto Dominion Bank - 89114QCA4	292,995.00	A1	Yes	4/23/2021	6/12/2024	3.1
Bank of Montreal - 06367WB85	235,647.50	A2	Yes	8/6/2021	5/1/2025	3.7
Royal Bank of Canada - 78015K7H1	230,295.00	A1	Yes	5/20/2021	6/10/2025	4.0
<b>Total U.S. Corporate</b>	<b>5,971,950.50</b>					

U.S. Government						
Security Description	Market Value	Moody's (NRSRO) Long-Term Rating as of 08/31/22	Rated A or Equivalent?	Inception Date	Maturity	Investment Maturity (Years)
U.S. Treasury Note - 912828M80	249,485.00	Aaa	Yes	5/9/2018	11/30/2022	4.5
U.S. Treasury Note - 912828V80	245,752.50	Aaa	Yes	4/29/2019	1/31/2024	4.7
U.S. Treasury Note - 912828X70	244,112.50	Aaa	Yes	9/5/2019	4/30/2024	4.6
U.S. Treasury Note - 9128282U3	169,681.75	Aaa	Yes	12/30/2019	8/31/2024	4.6
U.S. Treasury Note - 912828YM6	479,690.00	Aaa	Yes	12/9/2020	10/31/2024	3.8
U.S. Treasury Note - 912828YV6	239,395.00	Aaa	Yes	12/11/2019	11/30/2024	4.9
U.S. Treasury Note - 912828Z52	475,725.00	Aaa	Yes	5/9/2021	1/31/2025	3.7
U.S. Treasury Note- 912828ZF0	463,420.00	Aaa	Yes	2/24/2021	3/31/2025	4.0
U.S. Treasury Note - 912828ZL7	460,605.00	Aaa	Yes	1/13/2021	4/30/2025	4.2
U.S. Treasury Note - 912828ZT0	457,755.00	Aaa	Yes	12/16/2020	5/31/2025	4.4
U.S. Treasury Note - 91282CAB7	455,390.00	Aaa	Yes	12/16/2020	7/31/2025	4.6
U.S. Treasury Note - 91282CAJ0	454,005.00	Aaa	Yes	12/1/2020	8/31/2025	4.7
U.S. Treasury Note - 91282CAT8	451,760.00	Aaa	Yes	12/1/2020	10/31/2025	4.8
U.S. Treasury Note - 91282CBC4	451,310.00	Aaa	Yes	1/8/2021	12/31/2025	4.9
U.S. Treasury Note - 91282CBH3	450,100.00	Aaa	Yes	2/16/2021	1/31/2026	4.9
U.S. Treasury Note - 91282CBQ3	451,135.00	Aaa	Yes	3/4/2021	2/28/2026	4.9
U.S. Treasury Note - 91282CCF6	226,300.00	Aaa	Yes	6/28/2021	5/31/2026	4.9
U.S. Treasury Note- 91282CCP4	448,635.00	Aaa	Yes	9/17/2021	7/31/2026	4.8
U.S. Treasury Note - 91282CCW9	450,040.00	Aaa	Yes	11/29/2021	8/31/2026	4.7
U.S. Treasury Note- 91282CCZ2	451,700.00	Aaa	Yes	12/15/2021	9/30/2026	4.7
U.S. Treasury Note - 91282CEN7	486,660.00	Aaa	Yes	6/6/2022	4/30/2027	4.8
U S Treasury Note - 91282CET4	435,834.00	Aaa	Yes	7/8/2022	5/31/2027	4.8
<b>Total U.S. Government</b>	<b>8,698,490.75</b>					

August 2022 Bond Total per Treasurer's Report 23,224,775.44  
 Total Per August 2022 Chandler Statement 23,224,775.44  
 Variance -



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** AUGUST 2022 - PURCHASE ORDER REPORT

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**BACKGROUND:**

The West Valley Water District (“District”) generated thirty-six (36) Purchase Orders (“PO”) in the month of August 2022 to various vendors that provide supplies and services to the District. The total amount issued to PO’s for the month of August 2022 was **\$2,146,131.28**. A table listing all PO’s for August 2022 is shown in **Exhibit A**.

There were no Change Orders (“CO”) approved at the General Manager’s approval level during the month of August 2022.

**FISCAL IMPACT:**

There is no fiscal impact for producing the August 2022 Purchase Order Report.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to approve the August 2022 Purchase Order Report.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

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**ATTACHMENT(S):**

1. Exhibit A - August 2022 Purchase Order Report

**MEETING HISTORY:**

09/27/22 Finance Committee REFERRED TO BOARD

# Exhibit A



West Valley Water District, CA

# Purchase Order Summary Report

## Purchase Order Detail

Issued Date Range 08/01/2022 - 08/31/2022

PO Number	Description Vendor	Status Ship To	Issue Date Delivery Date	Trade Discount	Total
23-0056	Blanket PO for Aluminum Chlorohydrate for Roemer 00810 - STERLING WATER TECHNOLOGIES LLC	Outstanding Roemer Treatment Plant	8/2/2022 8/16/2022	0.00	140,000.00
23-0057	Blanket PO for Aluminum Chlorohydrate for FBR 00810 - STERLING WATER TECHNOLOGIES LLC	Partially Received West Valley Water District	8/2/2022 8/16/2022	0.00	40,000.00
23-0059	Server room electrical circuit install 00764 - RANCHO PACIFIC ELECTRIC INC	Completed West Valley Water District	8/3/2022 8/17/2022	0.00	11,500.00
23-0060	Wire for Well 54 motor junction box 00150 - ROYAL INDUSTRIAL SOLUTIONS	Completed West Valley Water District	8/3/2022 8/17/2022	0.00	3,108.26
23-0061	CopperOrder 08/04/22 01657 - CORE & MAIN LP	Partially Received West Valley Water District	8/4/2022 8/4/2022	0.00	15,098.00
23-0062	Paper for Copiers 01233 - OFFICE SOLUTIONS BUSINESS PRODUCTS	Completed West Valley Water District	8/3/2022 8/17/2022	0.00	509.39
23-0063	Staffing Services for Board Secretary 02138 - MUNITEMPS	Outstanding West Valley Water District	8/4/2022 8/18/2022	0.00	40,000.00
23-0064	Security Cart for Warehouse 00411 - ULINE	Completed West Valley Water District	8/5/2022 8/19/2022	0.00	789.45
23-0065	AC Repairs to CS Lobby 00828 - CONTROL TEMP INC	Completed West Valley Water District	8/5/2022 8/19/2022	0.00	800.00
23-0066	Service Evap Coolers in Warehouse 00828 - CONTROL TEMP INC	Completed West Valley Water District	8/5/2022 8/19/2022	0.00	995.00
23-0067	Ford F-150 XL Trucks 02520 - FRITTS FORD	Outstanding West Valley Water District	8/8/2022 8/22/2022	0.00	157,681.35
23-0068	RPZ Backflow Preventer Wilkins 975SL2 2" 00066 - GRAINGER INC	Completed West Valley Water District	8/10/2022 8/24/2022	0.00	4,270.30
23-0069	district gate Communication system 02519 - TROY ALARM INC	Outstanding West Valley Water District	8/9/2022 8/23/2022	0.00	3,260.00
23-0070	Repair AC in Engineering/Operations Cubicle Area 00828 - CONTROL TEMP INC	Outstanding West Valley Water District	8/10/2022 8/24/2022	0.00	2,285.00
23-0071	Ford Stock Order 08/09/22 00748 - YO FIRE	Partially Received West Valley Water District	8/10/2022 8/10/2022	0.00	27,424.00
23-0072	Tesco programming for Well 2 blending program 00097 - TESCO CONTROLS INC	Outstanding West Valley Water District	8/9/2022 8/23/2022	0.00	22,000.00
23-0073	SB88 Meter Calibration 00492 - MCCALLS METERS INC	Completed West Valley Water District	8/11/2022 8/25/2022	0.00	1,225.00
23-0074	Dig Alert USA ticket Fees 00068 - UNDERGROUND SERVICE ALERT	Completed West Valley Water District	8/15/2022 8/29/2022	0.00	640.00



## Purchase Order Summary Report

Issued Date Range 08/01/2022 - 08/31/2022

PO Number	Description Vendor	Status Ship To	Issue Date Delivery Date	Trade Discount	Total
23-0075	Repairs to Main Gate at Roemer 00676 - AUTOMATED GATE SERVICES INC	Completed West Valley Water District	8/16/2022 8/30/2022	0.00	1,910.00
23-0076	Sampling Services - Monitoring Wells 02267 - BLAINE TECH SERVICES INC	Partially Received West Valley Water District	8/17/2022 8/31/2022	0.00	12,874.00
23-0077	Arsenic Sludge Removal and New Sock Liner 01190 - KVAC ENVIRONMENTAL SERVICES INC	Outstanding Roemer Treatment Plant	8/17/2022 8/31/2022	0.00	4,858.91
23-0078	Trouble shoot Arsenic Plant Program for Valves 02517 - VIJAY KUMAR	Completed West Valley Water District	8/17/2022 8/31/2022	0.00	1,200.00
23-0079	CLA-VALVE AT ARSENIC TREATMENT PLANT 00641 - CLA VAL CO	Completed West Valley Water District	8/17/2022 8/31/2022	0.00	1,334.59
23-0080	Decant Valve at Arsenic Treatment Plant 01678 - BRAY SALES, INC.	Completed West Valley Water District	8/17/2022 8/31/2022	0.00	1,110.97
23-0081	Meter testing for SB 88 compliance at Roemer Plant 00492 - MCCALLS METERS INC	Received West Valley Water District	8/17/2022 8/31/2022	0.00	980.00
23-0082	Cisco Secure advantage Perpetual License anyconnect 01151 - CONVERGEONE, INC	Outstanding West Valley Water District	8/17/2022 8/31/2022	0.00	1,280.93
23-0083	Dionex parts 01221 - THERMO ELECTRON NORTH AMERICA LLC	Outstanding West Valley Water District	8/24/2022 9/7/2022	0.00	4,293.37
23-0084	sampling of sludge 01190 - KVAC ENVIRONMENTAL SERVICES INC	Completed West Valley Water District	8/24/2022 9/7/2022	0.00	676.00
23-0085	CMIS Santa Ana Transmission Main Phase II 00272 - ENGINEERING RESOURCES INC	Outstanding West Valley Water District	8/24/2022 9/7/2022	0.00	236,500.00
23-0086	Tesco repairs for RTU-99 00097 - TESCO CONTROLS INC	Completed West Valley Water District	8/25/2022 9/8/2022	0.00	575.00
23-0087	Tesco repairs to RTU # 52 00097 - TESCO CONTROLS INC	Completed West Valley Water District	8/25/2022 9/8/2022	0.00	575.00
23-0088	Repairs to FBR HVAC system 00828 - CONTROL TEMP INC	Completed West Valley Water District	8/25/2022 9/8/2022	0.00	508.13
23-0089	Water Gate Key, Probe,Channel Lock 00748 - YO FIRE	Outstanding West Valley Water District	8/26/2022 9/9/2022	0.00	646.50
23-0090	New Broom for Street Sweeper 01654 - HAAKER EQUIPMENT COMPANY	Completed West Valley Water District	8/26/2022 9/9/2022	0.00	553.13
23-0091	Emergency callout for Well 33 02412 - TESS ELECTRIC INC	Completed West Valley Water District	8/26/2022 9/9/2022	0.00	620.00
23-0092	Construction Services 00063 - CP CONSTRUCTION CO INC	Outstanding West Valley Water District	8/30/2022 9/13/2022	0.00	1,404,049.00

Purchase Order Count: (36)

Total Trade Discount: 0.00

Total: 2,146,131.28



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** CASH DISBURSEMENTS REPORT - AUGUST 2022

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**BACKGROUND:**

The Board of Directors requested the Monthly Cash Disbursements Report to be presented to the Finance Committee for review and discussion before presenting these reports to the Board of Directors. The reports are being produced from the District's Financial System (System of Records) and will be presented to the Finance Committee on a monthly basis.

**DISCUSSION:**

Each month, the Accounting Department provides a complete listing of all disbursements for the previous month in an effort to promote fiscal responsibility and accountability over the expenditure of public funds. This process includes providing the Finance Committee, Board of Directors and ratepayers the opportunity to review expenses for supplies, materials, services, and payroll Disbursements. Payroll is processed bi-weekly and accounts payable is processed weekly. Information to justify each payment is available through the Accounting Department. For reference, Customer Refunds are credits due as a result of closing a water account.

**FISCAL IMPACT:**

There is no fiscal impact for producing the August 2022 Cash Disbursement Reports.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to approve the August 2022 Cash Disbursement Reports.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

Vj:jv

**ATTACHMENT(S):**

1. Exhibit A - 2022 August Cash Disbursements Board Report
2. Exhibit B - 2022 August Cash Disbursements Payroll Board Report

**MEETING HISTORY:**

09/27/22 Finance Committee REFERRED TO BOARD

# EXHIBIT A

## WEST VALLEY WATER DISTRICT

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6338	ALBERT A WEBB ASSOCIATES	18" Trans Main Crossing I15_Citrus to Lytle Creek		\$ 260.00
6339	BRENNTAG PACIFIC INC	Acetic Acid for FBR	\$ 27,732.95	
6340	CAROLLO ENGINEERS INC	WIFIA and SRF Loan Application - Roemer Expansion		\$ 3,159.25
6341	CDW GOVERNMENT INC	COMPUTER SUPPLIES	\$ 2,215.30	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 36.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 84.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 26.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 23.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 23.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 1,047.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 56.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 69.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 69.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 56.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 39.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 44.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 39.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 54.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 48.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 706.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 13.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 22.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 182.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 128.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 720.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 47.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 9.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 95.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 70.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 22.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 182.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 9.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 131.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 6.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 128.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 33.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 147.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 218.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 40.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 28.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 211.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 141.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 211.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 141.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 77.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 337.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 35.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 169.25	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 35.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 274.50	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 113.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 80.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 497.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 30.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ARSENIC	\$ 66.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 113.25	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 80.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 928.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 30.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 11.75	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 30.00	
6342	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 11.75	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 827.50	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 344.00	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 34.50	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 448.50	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 69.00	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 204.50	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 34.50	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 69.00	
6345	CRB SECURITY SOLUTIONS	Security Alarms Monitoring & Repair	\$ 172.50	
6346	ENGINEERING RESOURCES INC	Wtr Line & Pump Stn 4-3 At Lord Ranch W15004		\$ 942.50
6347	GENERAL PUMP COMPANY INC	Well 30 rehab and pump replacement		\$ 146,504.23
6347	GENERAL PUMP COMPANY INC	Well 5A rehab well and reinstall pump		\$ 122,599.61
6348	HACH COMPANY	CHEMICALS-ROEMER	\$ 477.55	
6349	HARRINGTON INDUSTRIAL PLASTICS	ROEMER SUPPLIES	\$ 464.07	
6349	HARRINGTON INDUSTRIAL PLASTICS	ROEMER SUPPLIES	\$ 440.63	
6350	HILLTOP GEOTECHNICAL, INC.	Environmental Sludge Cleanup and Sampling	\$ 38,672.00	
6351	INFOSEND INC	MAY 2022 NEWSLETTER	\$ 2,051.54	
6352	LEASE PLAN USA INC	Mechanic Repairs for Fleet	\$ 5,871.93	
6353	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 18.65	
6353	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 43.39	
6353	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 46.77	
6353	MCMaster-CARR SUPPLY COMPANY	FBR SUPPLIES	\$ 446.92	
6353	MCMaster-CARR SUPPLY COMPANY	FBR SUPPLIES	\$ 209.16	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 44.16	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 355.99	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 122.48	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 418.73	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 308.94	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 253.40	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 112.22	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 394.94	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 104.39	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 442.22	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 142.30	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 102.05	
6353	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 221.71	
6354	RAMCO RECYCLED AGGREGATE MATERIALS	MAINTENANCE SHOP SUPPLIES	\$ 158.94	
6354	RAMCO RECYCLED AGGREGATE MATERIALS	DISPOSAL FEES	\$ 260.00	
6355	SAFETY COMPLIANCE COMPANY	FIELD SAFETY MTG 7/12/22	\$ 225.00	
6355	SAFETY COMPLIANCE COMPANY	OFFICE SAFETY MTG 7/12/22	\$ 200.00	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

<b>EFT/Check #</b>	<b>Vendor Name</b>	<b>Description</b>	<b>O &amp; M Amount</b>	<b>CIP Amount</b>
6356	SB VALLEY MUNICIPAL	BLF ELECTRICITY	\$ 56,207.70	
6357	STEWART, PATRICE	FIELD TRAINING MEALS	\$ 62.21	
6358	TOM DODSON & ASSOCIATES	Lytle Creek Environmental Services		\$ 457.50
6358	TOM DODSON & ASSOCIATES	Bio Study for Pepper Railway crossing		\$ 74.70
6358	TOM DODSON & ASSOCIATES	Bio Study for Pepper Railway crossing		\$ 525.30
6358	TOM DODSON & ASSOCIATES	Bio Study for Pepper Railway crossing		\$ 2,210.00
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.72	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.49	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.50	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 7.22	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 4.95	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.90	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.62	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.62	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 7.22	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.90	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.49	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.72	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.50	
6359	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 4.95	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 5.87	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 5.07	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 5.05	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 5.05	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 5.87	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-WATER QUALITY	\$ 5.07	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.83	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.72	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.72	
6359	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.83	
6359	UNIFIRST CORPORATION	JANITORIAL SERVICES-ROEMER	\$ 136.28	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.56	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.95	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.17	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.56	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.95	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.17	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.50	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.53	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.21	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.03	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

<b>EFT/Check #</b>	<b>Vendor Name</b>	<b>Description</b>	<b>O &amp; M Amount</b>	<b>CIP Amount</b>
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.80	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.60	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.85	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.03	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.85	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.60	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.53	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.50	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.80	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.21	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.57	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.60	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.95	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.97	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 6.27	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.60	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.57	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.97	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.95	
6359	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 6.27	
6359	UNIFIRST CORPORATION	JANITORIAL SUPPLIES	\$ 138.11	
6359	UNIFIRST CORPORATION	JANITORIAL SERVICES	\$ 212.17	
6359	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 4.99	
6359	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 5.17	
6359	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 5.17	
6359	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 4.99	
6359	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 8.00	
6359	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 5.73	
6359	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 7.18	
6359	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 5.73	
6359	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 7.18	
6359	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 8.00	
6363	ARROWHEAD UNITED WAY	Gina Bertoline	\$ 5.00	
6363	ARROWHEAD UNITED WAY	Gina Bertoline	\$ 5.00	
6364	BERTOLINE, GINA E	IE CHAPTER APA MEMBERSHIP	\$ 17.00	
6365	BOOT BARN INC	SAFETY BOOTS-PAUL ANDREWS	\$ 175.62	
6365	BOOT BARN INC	SAFETY BOOTS-GILBERT OLIVAREZ	\$ 225.00	
6365	BOOT BARN INC	SAFETY BOOTS-ANTHONY LOPEZ	\$ 175.62	
6365	BOOT BARN INC	SAFETY BOOTS-ALLAN HIDALGO	\$ 215.31	
6365	BOOT BARN INC	RENEE GABALDON	\$ 120.16	
6365	BOOT BARN INC	SAFETY BOOTS-CLIFFORD RAY	\$ 138.65	
6366	CHANDLER ASSET MANAGEMENT	JULY 2022 SERVICES	\$ 1,959.93	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 13.50	



**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 30.00	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 182.25	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 40.50	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 128.25	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 40.50	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 211.50	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 141.00	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 169.25	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 35.00	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELL 6	\$ 6.75	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 80.00	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 113.25	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 11.75	
6367	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 11.75	
6368	DAVID N M TURCH	CONSULTING FEES-5/09/22-6/08/22	\$ 12,500.00	
6369	FASTENAL COMPANY	SHOP SUPPLIES	\$ 431.00	
6369	FASTENAL COMPANY	SHOP SUPPLIES	\$ 431.00	
6370	HAWKINS, CHANNING	ACWA 2022 DC WATER CONFERENCE	\$ 2,406.97	
6371	LIZETT SANTORO	SPECIAL BOARD MTG 7/27/22	\$ 162.57	
6372	MOORE, KELVIN	ACWA DC 2022 WATER CONFERENCE	\$ 1,549.40	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.49	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.90	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.62	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.50	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 4.95	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 7.22	
6373	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.72	
6373	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 5.87	
6373	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 5.05	
6373	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 5.07	
6373	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.83	
6373	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 6.05	
6373	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.72	
6373	UNIFIRST CORPORATION	JANITORIAL SERVICES-ROEMER	\$ 136.28	
6373	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.17	
6373	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 6.05	
6373	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.95	
6373	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.56	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.03	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.53	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.80	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.85	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.21	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.60	
6373	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.50	
6373	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 6.27	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6373	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.60	
6373	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.57	
6373	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.95	
6373	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.97	
6373	UNIFIRST CORPORATION	JANITORIAL SERVICES	\$ 212.17	
6373	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 4.99	
6373	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 5.17	
6373	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 8.00	
6373	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 7.18	
6373	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 5.73	
6375	AIR & HOSE SOURCE INC	MAINTENANCE SUPPLIES	\$ 242.50	
6376	CAMACHO, JESSICA	FIELD TRAINING MEALS	\$ 86.29	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 1,645.75	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 17.50	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 167.50	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 249.50	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELL 11	\$ 6.75	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 113.25	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 80.00	
6377	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 30.00	
6378	DIAMOND ENVIRONMENTAL SERVICES LP	RESTROOM RENTAL-10272 S CEDAR	\$ 129.95	
6378	DIAMOND ENVIRONMENTAL SERVICES LP	RESTROOM RENTAL-18451 VINEYARD	\$ 129.95	
6379	FASTENAL COMPANY	MAINTENANCE SUPPLIES	\$ 375.33	
6379	FASTENAL COMPANY	MAINTENANCE SUPPLIES	\$ 137.55	
6379	FASTENAL COMPANY	MAINTENANCE SUPPLIES	\$ 43.69	
6380	HASA INC.	CHEMICALS-WELLS	\$ 357.38	
6380	HASA INC.	CHEMICALS-WELLS	\$ 336.36	
6380	HASA INC.	CHEMICALS-WELLS	\$ 105.11	
6380	HASA INC.	CHEMICALS-WELLS	\$ 252.27	
6380	HASA INC.	CHEMICALS-WELLS	\$ 315.38	
6380	HASA INC.	CHEMICALS-WELLS	\$ 147.16	
6380	HASA INC.	CHEMICALS-WELLS	\$ 126.13	
6380	HASA INC.	CHEMICALS-BLF	\$ 1,051.12	
6380	HASA INC.	CHEMICALS-WELL# 4	\$ 323.77	
6380	HASA INC.	CHEMICALS-WELL# 24	\$ 311.78	
6380	HASA INC.	CHEMICALS-WELL# 8	\$ 515.63	
6380	HASA INC.	CHEMICALS- BLF	\$ 551.61	
6380	HASA INC.	CHEMICALS-WELL# 1	\$ 239.83	
6380	HASA INC.	CHEMICALS-WELL# 15	\$ 287.80	
6380	HASA INC.	CHEMICALS-WELL# 1	\$ 2,398.30	
6380	HASA INC.	CHEMICALS-PERCHLORATE	\$ 210.22	
6380	HASA INC.	CHEMICALS-WELL# 42	\$ 251.82	
6381	LIEBERT CASSIDY WHITMORE	LEGAL FEES MAY 2022	\$ 4,010.50	
6381	LIEBERT CASSIDY WHITMORE	LEGAL FEES-JUNE 2022	\$ 1,212.00	
6382	LONG, MARVALINE	MEDICARE PART B REIMB JAN-MAR 2022	\$ 510.30	
6382	LONG, MARVALINE	MEDICARE PART B REIMB APR-JUNE 2022	\$ 510.30	
6383	MCMASTER-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 104.83	
6384	NAVARRO, NOVITA TESSA	FIELD TRAINING MEALS	\$ 74.13	
6385	OFFICE SOLUTIONS BUSINESS PRODUCTS	Paper for Copiers	\$ 509.39	
6386	SAFETY COMPLIANCE COMPANY	FIELD SAFETY MTG 7/26/22	\$ 225.00	
6387	SHARP EXTERMINATOR INC	JULY 2022 SERVICES	\$ 185.00	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 4.95	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.90	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.62	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 7.22	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 8.00	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 108.78	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.50	
6388	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.49	
6388	UNIFIRST CORPORATION	UNIFORMS-WTR QLTY	\$ 5.87	
6388	UNIFIRST CORPORATION	UNIFORMS-WTR QLTY	\$ 5.05	
6388	UNIFIRST CORPORATION	UNIFORMS-WTR QLTY	\$ 8.00	
6388	UNIFIRST CORPORATION	UNIFORMS-WTR QLTY	\$ 5.07	
6388	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 6.05	
6388	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 8.00	
6388	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.83	
6388	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.72	
6388	UNIFIRST CORPORATION	JANITORIAL SERVICES	\$ 136.28	
6388	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 8.00	
6388	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.17	
6388	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.56	
6388	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.95	
6388	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 6.05	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.21	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.80	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.60	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.85	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.03	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 8.00	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.53	
6388	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.50	
6388	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 6.27	
6388	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.97	
6388	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.95	
6388	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.57	
6388	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.60	
6388	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 8.00	
6388	UNIFIRST CORPORATION	JANITORIAL SERVICES	\$ 212.17	
6388	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 4.99	
6388	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 8.00	
6388	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 5.17	
6388	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 5.73	
6388	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 7.18	
6388	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 8.00	
6390	BECERRA, JESSE	TRISTATE SEMINAR EXPENSES	\$ 122.24	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 31.50	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-BLF	\$ 13.50	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 706.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 575.25	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 30.00	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 18.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 182.25	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 33.75	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 15.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 15.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 128.25	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES	\$ 33.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 15.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 218.25	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 15.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 147.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 40.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 249.50	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELL# 6	\$ 140.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 35.00	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 35.00	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 113.25	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 457.75	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAS FEES-ROEMER	\$ 65.00	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAS FEES-ROEMER	\$ 197.50	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 80.00	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 30.00	
6391	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 91.75	
6392	INFOSEND INC	MAY 2022 BILLING	\$ 3,092.62	
6392	INFOSEND INC	Postage/Printing for Customer Bills	\$ 962.44	
6392	INFOSEND INC	Postage/Printing for Customer Bills	\$ 2,823.82	
6392	INFOSEND INC	MAY 2022 BILLING	\$ 10,355.94	
6392	INFOSEND INC	Postage/Printing for Customer Bills	\$ 2,593.11	
6392	INFOSEND INC	Postage/Printing for Customer Bills	\$ 8,354.31	
6393	KRUEGER, WILLIAM E	TRISTATE SEMINAR EXPENSES	\$ 167.84	
6394	LEASE PLAN USA INC	Mechanic Repairs for Fleet	\$ 5,669.21	
6395	RED WING BUSINESS ADVANTAGE ACCOUNT	SAFETY BOOTS-LUIS GOMEZ	\$ 225.00	
6395	RED WING BUSINESS ADVANTAGE ACCOUNT	SAFETY BOOTS-DIMITRIUS GLASS	\$ 225.00	
6396	RIQUELME-BIRTS, CYNTHIA	MEALS-AYALA PARK GRAND OPENING	\$ 16.89	
6397	SAMBA HOLDINGS INC	HR SERVICES-JULY 2022	\$ 130.88	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 4.95	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.50	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.62	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.49	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 8.00	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 5.90	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 7.22	
6398	UNIFIRST CORPORATION	UNIFORMS-PRODUCTION	\$ 6.72	
6398	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 5.07	
6398	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 5.87	
6398	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 5.05	
6398	UNIFIRST CORPORATION	UNIFORMS-WATER QLTY	\$ 8.00	
6398	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 6.05	
6398	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 8.00	
6398	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.72	
6398	UNIFIRST CORPORATION	UNIFORMS-FBR	\$ 5.83	
6398	UNIFIRST CORPORATION	JANITORIAL SERVICES - ROEMER	\$ 136.28	
6398	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.95	
6398	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.56	
6398	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 5.17	
6398	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 6.05	
6398	UNIFIRST CORPORATION	UNIFORMS-ROEMER	\$ 8.00	

## WEST VALLEY WATER DISTRICT

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.60	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.53	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.80	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.05	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 6.03	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 22.16	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 85.55	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.50	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 5.85	
6398	UNIFIRST CORPORATION	UNIFORMS-MAINTENANCE	\$ 8.00	
6398	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 6.27	
6398	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.60	
6398	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.57	
6398	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.97	
6398	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 5.95	
6398	UNIFIRST CORPORATION	UNIFORMS-METERS	\$ 8.00	
6398	UNIFIRST CORPORATION	JANITORIAL SERVICES - HQ	\$ 212.17	
6398	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 8.00	
6398	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 5.17	
6398	UNIFIRST CORPORATION	UNIFORMS-ENGINEERING	\$ 4.99	
6398	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 5.73	
6398	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 7.18	
6398	UNIFIRST CORPORATION	UNIFORMS-PURCHASING	\$ 8.00	
6400	ACWA/JOINT POWERS INSURANCE	CYBER LIABILITY PROGRAM	\$ 9,862.95	
6401	ALBERT A WEBB ASSOCIATES	18" Trans Main Crossing I15_Citrus to Lytle Creek		\$ 260.00
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 33.25	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 33.25	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 33.25	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELLS	\$ 30.00	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 141.00	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-PERCHLORATE	\$ 211.50	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 167.50	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 249.50	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 295.25	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-WELL 11	\$ 165.75	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-FBR	\$ 167.50	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ARSENIC	\$ 33.25	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 80.00	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 15.00	
6402	CLINICAL LAB OF SAN BERNARDINO INC	LAB FEES-ROEMER	\$ 15.00	
6403	FAST SIGNS	SHOP SUPPLIES	\$ 65.25	
6404	HARRINGTON INDUSTRIAL PLASTICS	ROEMER SUPPLIES	\$ 132.81	
6405	HARTLEY, MARY JO	RIALTO BIKE RODEO BOOTH SUPPLIES	\$ 8.60	
6405	HARTLEY, MARY JO	CS LOBBY REOPENING SUPPLIES	\$ 32.98	
6406	HASA INC.	CHEMICALS-WELL# 4	\$ 479.66	
6406	HASA INC.	CHEMICALS-BLF	\$ 1,319.07	
6406	HASA INC.	CHEMICALS-WELL# 15	\$ 395.72	
6406	HASA INC.	CHEMICALS-WELL# 8	\$ 419.70	
6406	HASA INC.	CHEMICALS-WELL# 54	\$ 479.66	
6406	HASA INC.	CHEMICALS-WELL# 1	\$ 455.68	
6406	HASA INC.	CHEMICALS-WELL# 24	\$ 191.86	
6406	HASA INC.	CHEMICALS-WELL# 4	\$ 323.77	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
6406	HASA INC.	CHEMICALS-WELL# 5	\$ 311.78	
6406	HASA INC.	CHEMICALS-WELL# 1	\$ 167.88	
6406	HASA INC.	CHEMICALS-WELL# 15	\$ 359.75	
6406	HASA INC.	CHEMICALS-WELL# 30	\$ 1,115.21	
6406	HASA INC.	CHEMICALS-WELL#30	\$ 251.82	
6406	HASA INC.	CHEMICALS-WELL#15	\$ 299.79	
6406	HASA INC.	CHEMICALS-BLF	\$ 1,642.84	
6406	HASA INC.	CHEMICALS-WELL#8	\$ 328.57	
6406	HASA INC.	CHEMICALS-WELL#5	\$ 275.80	
6406	HASA INC.	CHEMICALS-WELL#4	\$ 311.78	
6406	HASA INC.	CHEMICALS-WELL# 42	\$ 359.75	
6406	HASA INC.	CHEMICALS-WELL# 42	\$ 479.66	
6406	HASA INC.	CHEMICALS-WELL#42	\$ 251.82	
6406	HASA INC.	CHEMICALS-ROEMER	\$ 5,383.15	
6406	HASA INC.	CHEMICALS-ROEMER	\$ 5,383.15	
6407	HILLTOP GEOTECHNICAL, INC.	Environmental Sludge Cleanup and Sampling	\$ 32,105.00	
6408	INFOSEND INC	JUNE 2022 INSERTS	\$ 2,179.90	
6409	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 232.12	
6409	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 224.71	
6409	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 212.80	
6409	MCMaster-CARR SUPPLY COMPANY	PRODUCTION SUPPLIES	\$ 353.22	
6409	MCMaster-CARR SUPPLY COMPANY	FBR SUPPLIES	\$ 276.85	
6409	MCMaster-CARR SUPPLY COMPANY	FBR SUPPLIES	\$ 145.62	
6409	MCMaster-CARR SUPPLY COMPANY	FBR SUPPLIES	\$ 445.56	
6409	MCMaster-CARR SUPPLY COMPANY	FBR SUPPLIES	\$ 443.74	
6409	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 25.99	
6409	MCMaster-CARR SUPPLY COMPANY	ARSENIC SUPPLIES	\$ 247.19	
6409	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 149.59	
6409	MCMaster-CARR SUPPLY COMPANY	ROEMER SUPPLIES	\$ 302.72	
6410	SUEZ WTS ANALYTICAL INSTRUMENTS INC	BALANCE FOR IN#901489198-PREVIOUSLY DEDUCTE	\$ 161.63	
6411	TKE ENGINEERING INC	Bid Docs for Well 54 Discharge to Waste Drain Line		\$ 2,782.50
82546	FILIBERTO, SOLORIO,	Customer Refund	\$ 2,026.33	
82547	CIMENTAL, DIANA	Customer Refund	\$ 41.57	
82548	LIN, EMMA	Customer Refund	\$ 75.20	
82549	Wang, Darren	Customer Refund	\$ 136.05	
82550	OTERO, ADAM/JACKIE	Customer Refund	\$ 33.10	
82551	GRISSET, KATHLEEN	Customer Refund	\$ 25.32	
82552	TALAVERA, SAMUEL	Customer Refund	\$ 29.03	
82553	WRIGHT REAL PROPERTY MGMT	Customer Refund	\$ 109.39	
82554	AMAZON	OFFICE SUPPLIES	\$ 411.25	
82554	AMAZON	OFFICE SUPPLIES	\$ 81.50	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 172.36	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 135.75	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 17.23	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 58.14	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 64.63	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 460.21	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 86.15	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 228.51	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 108.82	
82555	AMAZON.COM SALES INC	Computer Supplies	\$ 108.98	
82556	AT&T	ROEMER FIRE SVC	\$ 148.14	
82557	BURRTEC WASTE INDUSTRIES INC	DISPOSAL FEES ROEMER	\$ 262.86	
82557	BURRTEC WASTE INDUSTRIES INC	DISPOSAL FEES HQ	\$ 911.94	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
82558	CHAMBERLAYNEPR	JUNE 2022 SERVICES	\$ 7,500.00	
82559	CITY OF RIALTO	UTILITY USER TAX-JULY 2022	\$ 54,916.85	
82559	CITY OF RIALTO	UTILITY USER TAX-JULY 2022	\$ (179.81)	
82560	COLONIAL SUPPLEMENTAL INSURANCE	COLONIAL	\$ 786.67	
82560	COLONIAL SUPPLEMENTAL INSURANCE	COLONIAL	\$ 263.77	
82560	COLONIAL SUPPLEMENTAL INSURANCE	COLONIAL	\$ 786.56	
82560	COLONIAL SUPPLEMENTAL INSURANCE	COLONIAL	\$ 263.71	
82561	FAST SERVICE	CUSTOMER SERVICES	\$ 258.00	
82562	FRANCHISE TAX BOARD	GARNISHMENT	\$ 50.00	
82562	FRANCHISE TAX BOARD	GARNISHMENT	\$ 50.00	
82563	GHD INC	Professional Engineering Services Roemer Expansion		\$ 69,206.92
82564	GOVERNMENT FINANCE OFFICERS ASSOC	DUES-GUSTAVO GUTIERREZ	\$ 150.00	
82565	GRAINGER INC	SHOP SUPPLIES	\$ 72.30	
82565	GRAINGER INC	SHOP SUPPLIES	\$ 112.91	
82566	I.U.O.E., LOCAL UNION NO. 12	I.U.O.E LOCAL 12 UNION DUES	\$ 330.00	
82566	I.U.O.E., LOCAL UNION NO. 12	I.U.O.E LOCAL 12 UNION DUES	\$ 330.00	
82567	INLAND EMPIRE UTILITIES AGENCY	JUNE 2022 WATER	\$ 5,752.54	
82568	LEGAL SHIELD	LEGALSHIELD	\$ 243.19	
82568	LEGAL SHIELD	LEGALSHIELD	\$ 243.16	
82569	MISCOWATER	Auma actuator replacement for pretreatment	\$ 7,273.13	
82570	PACK N MAIL	CUSTOMER SERVICES	\$ 213.00	
82571	SAN BERNARDINO COUNTY RECORDER	LIEN RELEASE	\$ 20.00	
82571	SAN BERNARDINO COUNTY RECORDER	LIEN RELEASE	\$ 20.00	
82572	THE STANDARD	AD&D	\$ 25.20	
82572	THE STANDARD	DEPENDENT LIFE	\$ 4.92	
82572	THE STANDARD	LIFE INSURANCE	\$ 186.00	
82572	THE STANDARD	LONG TERM DISABILITY	\$ 15.53	
82572	THE STANDARD	AD&D	\$ 317.97	
82572	THE STANDARD	DEPENDENT LIFE	\$ 94.71	
82572	THE STANDARD	LIFE INSURANCE	\$ 2,344.72	
82572	THE STANDARD	LONG TERM DISABILITY	\$ 2,166.21	
82572	THE STANDARD	EMPLOYEE AFTER-TAX	\$ 623.02	
82572	THE STANDARD	EMPLOYEE AFTER-TAX	\$ 553.94	
82572	THE STANDARD	EE Adjustment and Pending Credit	\$ 38.67	
82573	VERIZON WIRELESS PHONES	CELL PHONES / IPADS	\$ 4,675.34	
82573	VERIZON WIRELESS PHONES	CELL PHONES / IPADS	\$ 1,473.09	
82574	WESTBROOK FENCE INC	Well 18A fencing repair	\$ 3,350.00	
82575	TAFOYA LAW GROUP APC	MAY 2022 LEGAL FEES	\$ 20,976.00	
82576	LLC, ROCKEFELLER II,	Customer Refund	\$ 96.50	
82577	ZAMBRANO, MARIA I	Customer Refund	\$ 35.64	
82578	LOZA,JOSE MANUEL	Customer Refund	\$ 63.06	
82579	HOLLAND, PAUL A	Customer Refund	\$ 77.80	
82580	DIZON, ADOLFO JR	Customer Refund	\$ 0.80	
82581	SORIA, GENARO	Customer Refund	\$ 53.19	
82582	Aquino, Miles	Customer Refund	\$ 8.42	
82583	CERVANTES, JOE & DARLENE	Customer Refund	\$ 32.91	
82584	SMITH, CHANEL T	Customer Refund	\$ 121.40	
82585	AIRGAS USA LLC	PRODUCTION SUPPLIES	\$ 56.93	
82586	ALLIANCE 2020 INC	HR SERVICES	\$ 6.25	
82587	AMAZON	OFFICE SUPPLIES	\$ 8.23	
82587	AMAZON	OFFICE SUPPLIES	\$ 1.63	
82588	AMAZON.COM SALES INC	SHOP SUPPLIES	\$ 439.78	
82588	AMAZON.COM SALES INC	OFFICE SUPPLIES	\$ 139.36	
82588	AMAZON.COM SALES INC	OFFICE SUPPLIES	\$ 244.81	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
82589	BMI SYSTEMS GROUP	ANNUAL MAINTENANCE CONTRACT	\$ 395.00	
82590	CHARTER COMMUNICATIONS	TELEPHONE/INTERNET	\$ 690.00	
82590	CHARTER COMMUNICATIONS	CABLE/TELEPHONE	\$ 239.94	
82590	CHARTER COMMUNICATIONS	TELEPHONE/INTERNET	\$ 1,389.46	
82590	CHARTER COMMUNICATIONS	CABLE/TELEPHONE	\$ 146.02	
82591	CINTAS CORPORATION	JANITORIAL SERVICES	\$ 181.10	
82591	CINTAS CORPORATION	JANITORIAL SERVICES	\$ 181.10	
82591	CINTAS CORPORATION	JANITORIAL SERVICES	\$ 181.10	
82592	CITY OF SAN BERNARDINO	LYTLE CREEK - JULY 2022	\$ 23,267.97	
82593	COLTON PUBLIC UTILITIES	WELL 18A ELECTRIC	\$ 83.15	
82593	COLTON PUBLIC UTILITIES	WELL18A ELECTRIC	\$ 296.75	
82594	CONTROL TEMP INC	AC Repairs to CS Lobby	\$ 800.00	
82594	CONTROL TEMP INC	Service Evap Coolers in Warehouse	\$ 995.00	
82595	DIGITAL IMAGE SOLUTIONS, LLC	COPIER MAINTENANCE	\$ 4.17	
82596	GRAINGER INC	Backflow Repair Kit	\$ 875.63	
82596	GRAINGER INC	Backflow Devices	\$ 4,270.31	
82597	HAAKER EQUIPMENT COMPANY	EQUIPMENT MAINTENANCE	\$ 474.30	
82598	INLAND DESERT SECURITY	ANSWERING SERVICE-JULY 2022	\$ 643.50	
82599	JOHNSON'S HARDWARE INC	PRODUCTION SUPPLIES	\$ 33.12	
82599	JOHNSON'S HARDWARE INC	PRODUCTION SUPPLIES	\$ 38.75	
82599	JOHNSON'S HARDWARE INC	PRODUCTION SUPPLIES	\$ 20.02	
82599	JOHNSON'S HARDWARE INC	MAINTENANCE SUPPLIES	\$ 58.54	
82599	JOHNSON'S HARDWARE INC	MAINTENANCE SUPPLIES	\$ 31.19	
82599	JOHNSON'S HARDWARE INC	MAINTENANCE SUPPLIES	\$ 12.91	
82600	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MARCH 2022	\$ 700.98	
82600	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-FEB 2022	\$ 5,730.00	
82600	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-FEB 2022	\$ 4,290.00	
82600	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MARCH 2022	\$ 17,750.00	
82600	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MARCH 2022	\$ 4,192.50	
82600	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MARCH 2022	\$ 6,475.00	
82601	LISA REYES	TURF REPLACEMENT REBATE	\$ 591.00	
82602	LOWES	PRODUCTION SUPPLIES	\$ 242.48	
82603	MIKE ROQUET CONSTRUCTION, INC.	Street Paving Services	\$ 7,720.50	
82603	MIKE ROQUET CONSTRUCTION, INC.	Street PavingServices	\$ 3,898.20	
82603	MIKE ROQUET CONSTRUCTION, INC.	Alder Reservoir 3-1 Road Pave		\$ 41,771.90
82603	MIKE ROQUET CONSTRUCTION, INC.	Alder Reservoir 3-1 Road Pave		\$ 41,771.93
82604	MINUTEMAN PRESS OF RANCHO CUCAMONGA	JULY 2022 MONTHLY REPORTS	\$ 190.84	
82605	O'REILLY AUTO PARTS	VEHICLE MAINTENANCE	\$ 37.70	
82605	O'REILLY AUTO PARTS	VEHICLE MAINTENANCE	\$ 58.15	
82606	PACE, JOYCE E	MEDICARE PART B REIMB APR-JUNE 2022	\$ 510.30	
82607	PR PRINTING	RECEIPT BOOKS	\$ 506.78	
82608	QUADIENT FINANCE USA INC	LEASE PMT-N21102936	\$ 712.65	
82609	RIALTO WATER SERVICES	FBR SEWER	\$ 31.71	
82609	RIALTO WATER SERVICES	FBR SEWER	\$ 35.46	
82609	RIALTO WATER SERVICES	HQ WATER SVC	\$ 123.96	
82609	RIALTO WATER SERVICES	ROEMER SEWER	\$ 67.17	
82610	SAN BERNARDINO COUNTY RECORDER	LIEN RELEASE	\$ 20.00	
82611	SO CAL LOCKSMITH	MAINTENANCE REPAIRS	\$ 189.42	
82612	SO CALIFORNIA EDISON	ROEMER ELECTRICITY	\$ 67,807.11	
82613	TAFOYA LAW GROUP APC	LEGAL FEES JUNE 2022	\$ 23,460.00	
82614	TAFOYA LAW GROUP APC	JULY 2022 LEGAL SERVICES	\$ 20,079.00	
82615	TOM AND DANIELLE NAFIUS	TURF REPLACEMENT REBATE	\$ 686.00	
82616	TROJAN TECHNOLOGIES INC.	PM Contract for Trojan UV Swift system	\$ 3,500.00	
82617	ULINE	Security Cart for Warehouse	\$ 789.45	



**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
82618	USA BLUEBOOK	WATER QLTY SUPPLIES	\$ 196.11	
82619	VERIZON CONNECT NWF INC	JULY 2022 SERVICES-CONTRACTS/LICENSES	\$ 679.98	
82620	FIDELITY NATIONAL TITLE NATIONAL COMMERCIAL	PURCHASE AND SALE AGREEMENT		\$ 3,000.00
82621	AQUA-METRIC SALES CO	1 1/2"- 2" MMP Measuring Chamber	\$ 4,700.57	
82621	AQUA-METRIC SALES CO	1 1/2" and 2" R2 MMP	\$ 3,917.14	
82621	AQUA-METRIC SALES CO	520m Smart point MXU		\$ 24,660.75
82622	AT&T	TELEMETRY LINE	\$ 68.96	
82623	CINTAS CORPORATION	JANITORIAL SERVICES	\$ 181.10	
82624	LUDWIG, CODY	TRISTATE SEMINAR EXPENSES	\$ 119.83	
82624	LUDWIG, CODY	CUSTOMER SERVICE TRAINING	\$ 91.40	
82625	MARIN, ADRIANA	CUSTOMER SERVICE TRAINING	\$ 114.84	
82626	RAY, CLIFFORD	TRISTATE SEMINAR EXPENSES	\$ 147.72	
82627	SAN BERNARDINO COUNTY RECORDER	LIEN RELEASE	\$ 20.00	
82627	SAN BERNARDINO COUNTY RECORDER	LIEN RELEASE	\$ 20.00	
82628	SO CALIFORNIA EDISON	S END SHOP ELECTRICITY	\$ 102.78	
82629	THE GAS COMPANY	ROEMER GAS SERVICES	\$ 14.30	
82630	UNDERGROUND SERVICE ALERT	Dig Alert USA ticket Fees	\$ 640.00	
82631	PORTILLO, CANDIDA	Customer Refund	\$ 24.18	
82632	A., EDMONDS, RENDEL	Customer Refund	\$ 70.19	
82633	DOTY BROS EQUIPMENT COMPANY	Customer Refund	\$ 1,554.94	
82634	T.E Roberts Incorporated	Customer Refund	\$ 1,598.45	
82635	AIRGAS USA LLC	SHOP SUPPLIES	\$ 169.35	
82636	ALL PRO ENTERPRISES INC.	Janitorial Services for District	\$ 350.00	
82636	ALL PRO ENTERPRISES INC.	Janitorial Services for District	\$ 3,591.92	
82637	AMAZON.COM SALES INC	SHOP SUPPLIES	\$ 215.44	
82637	AMAZON.COM SALES INC	SHOP SUPPLIES	\$ 414.28	
82637	AMAZON.COM SALES INC	OFFICE SUPPLIES	\$ 473.50	
82637	AMAZON.COM SALES INC	OFFICE SUPPLIES	\$ 840.42	
82637	AMAZON.COM SALES INC	OFFICE SUPPLIES	\$ 87.27	
82637	AMAZON.COM SALES INC	PR SUPPLIES	\$ 123.89	
82638	AQUA-METRIC SALES CO	MXU Order 07/14/22	\$ 22,194.67	
82638	AQUA-METRIC SALES CO	MXU Order 07/19/22	\$ 18,495.56	
82639	AT&T INTERNET	INTERNET SERVICE	\$ 101.65	
82640	BLAINE TECH SERVICES INC	Sampling Services - Monitoring Wells	\$ 5,974.00	
82641	BRAY SALES, INC.	Decant valve for Arsenic Plant	\$ 1,110.97	
82642	CINTAS CORPORATION	JANITORIAL SERVICES	\$ 114.65	
82643	CITY OF SAN BERNARDINO	BLF WATER	\$ 46.13	
82644	CLA VAL CO	CLA-VALVE AT ARSENIC TREATMENT PLANT	\$ 1,334.59	
82645	CORE & MAIN LP	CopperOrder 08/04/22	\$ 2,573.07	
82645	CORE & MAIN LP	CopperOrder 08/04/22	\$ 12,350.74	
82645	CORE & MAIN LP	CopperOrder 08/04/22	\$ 783.99	
82646	D & H WATER SYSTEMS, INC.	ROEMER SUPPLIES	\$ 443.19	
82646	D & H WATER SYSTEMS, INC.	ARSENIC SUPPLIES	\$ 398.12	
82647	DIGITAL IMAGE SOLUTIONS, LLC	COPIER MAINTENANCE	\$ 245.64	
82647	DIGITAL IMAGE SOLUTIONS, LLC	COPIER MAINTENANCE	\$ 192.22	
82647	DIGITAL IMAGE SOLUTIONS, LLC	COPIER MAINTENANCE	\$ 123.15	
82647	DIGITAL IMAGE SOLUTIONS, LLC	COPIER MAINTENANCE	\$ 437.23	
82648	FISH WINDOW CLEANING	JANITORIAL SERVICES-WINDOWS	\$ 425.00	
82649	FONTANA UNION WATER CO	STOCK SHARE FEES	\$ 7,150.00	
82649	FONTANA UNION WATER CO	STOCK SHARE FEES	\$ 440.00	
82649	FONTANA UNION WATER CO	STOCK SHARE FEES	\$ 2,200.00	
82649	FONTANA UNION WATER CO	STOCK SHARE FEES	\$ 1,650.00	
82649	FONTANA UNION WATER CO	STOCK SHARE FEES	\$ 220.00	
82650	GHD INC	Professional Engineering Services Roemer Expansion		\$ 25,531.28

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
82651	GRAINGER INC	PRODUCTION SUPPLIES	\$ 325.12	
82651	GRAINGER INC	PRODUCTION SUPPLIES	\$ 144.58	
82651	GRAINGER INC	RPZ Backflow Preventer Wilkins 975SL2 2"	\$ 4,270.31	
82651	GRAINGER INC	Sewage Pump	\$ 2,392.11	
82652	HOME DEPOT	ROEMER SUPPLIES	\$ 48.44	
82652	HOME DEPOT	ROEMER SUPPLIES	\$ 95.94	
82653	INTERSTATE BATTERY OF	ALARM SYSTEM BATTERIES	\$ 189.21	
82654	JOHNSON'S HARDWARE INC	PRODUCTION SUPPLIES	\$ 14.82	
82654	JOHNSON'S HARDWARE INC	PRODUCTION SUPPLIES	\$ 62.66	
82654	JOHNSON'S HARDWARE INC	PRODUCTION SUPPLIES	\$ 23.68	
82654	JOHNSON'S HARDWARE INC	FBR SUPPLIES	\$ 20.64	
82654	JOHNSON'S HARDWARE INC	ROEMER SUPPLIES	\$ 48.64	
82654	JOHNSON'S HARDWARE INC	ROEMER SUPPLIES	\$ 47.25	
82654	JOHNSON'S HARDWARE INC	ROEMER SUPPLIES	\$ 10.75	
82654	JOHNSON'S HARDWARE INC	ARSENIC SUPPLIES	\$ 105.47	
82654	JOHNSON'S HARDWARE INC	ARSENIC SUPPLIES	\$ 20.45	
82654	JOHNSON'S HARDWARE INC	MAINTENANCE SUPPLIES	\$ 210.90	
82654	JOHNSON'S HARDWARE INC	MAINTENANCE SUPPLIES	\$ 17.22	
82654	JOHNSON'S HARDWARE INC	MAINTENANCE SUPPLIES	\$ 195.11	
82655	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MAY 2022	\$ 221.86	
82655	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MAY 2022	\$ 13,740.00	
82655	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MAY 2022	\$ 1,560.00	
82655	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MAY 2022	\$ 195.00	
82655	LEAL TREJO ATTORNEYS AT LAW	LEGAL FEES-MAY 2022	\$ 10,307.50	
82656	LETICIA GUEVARA	TURF REPLACEMENT REBATE	\$ 821.00	
82657	LOWES	METERS SHOP SUPPLIES	\$ 94.50	
82658	MICHAEL BAKER INTERNATIONAL, INC	ENGINEERING SERVICES FOR THE DESIGN OF ZONE 7-2 PU		\$ 3,663.50
82659	NED'S OIL SALES INC	SHOP SUPPLIES	\$ 38.40	
82660	O'REILLY AUTO PARTS	ROEMER SUPPLIES	\$ 24.76	
82660	O'REILLY AUTO PARTS	VEHICLE MAINTENANCE	\$ 163.81	
82660	O'REILLY AUTO PARTS	VEHICLE MAINTENANCE	\$ 20.08	
82661	PG MECHANICAL	EQUIPMENT MAINTENANCE	\$ 500.00	
82662	REED & DAVIDSON LLP	LEGAL FEES-JUNE 2022	\$ 4,477.50	
82663	REGIONAL GOVERNMENT SERVICES AUTHORITY	CONTRACTED SERVICES	\$ 80.40	
82664	RIALTO WATER SERVICES	WELL#16 WATER SVC	\$ 30.42	
82665	ROYAL INDUSTRIAL SOLUTIONS	Wire for Well 54 motor junction box	\$ 3,108.26	
82665	ROYAL INDUSTRIAL SOLUTIONS	PRODUCTION SUPPLIES	\$ 211.05	
82666	SAN BERNARDINO COUNTY RECORDER	LIEN RELEASE	\$ 20.00	
82667	SC COMMERCIAL LLC	Gasoline for Fleet	\$ 16,054.98	
82668	SCHAACK, JOE	FUEL FOR TRUCK DUE TO WVWD PUMP NOT WORKI	\$ 85.27	
82669	SO CALIFORNIA EDISON	WELL# 22	\$ 18.16	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 20,302.13	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 79,631.63	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 158,684.53	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 30,770.48	
82669	SO CALIFORNIA EDISON	WELL# 17 ELECTRICITY	\$ 394.99	
82669	SO CALIFORNIA EDISON	WELL #6	\$ 21,060.13	
82669	SO CALIFORNIA EDISON	WELL #11X	\$ 38.34	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 22,945.03	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 294.93	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 4,812.98	
82669	SO CALIFORNIA EDISON	ELECTRICITY VARIOUS SITES	\$ 5,751.79	
82670	SOLID WASTE MANAGEMENT DIVISION	WASTE HAULING-BLENDING POND	\$ 2,538.45	
82671	STEPHEN COMPANY	LOBBYIST-JULY SERVICES	\$ 227.50	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

<b>EFT/Check #</b>	<b>Vendor Name</b>	<b>Description</b>	<b>O &amp; M Amount</b>	<b>CIP Amount</b>
82672	STERLING WATER TECHNOLOGIES LLC	Aluminum Chlorohydrate for FBR	\$ 30,061.40	
82673	STETSON ENGINEERS INC	Stetson -Rialto Basin Groundwater Mngmt Plan	\$ 3,856.75	
82673	STETSON ENGINEERS INC	Stetson -Rialto Basin Groundwater Mngmt Plan	\$ 3,856.75	
82673	STETSON ENGINEERS INC	Stetson -Rialto Basin Groundwater Mngmt Plan	\$ 3,856.75	
82673	STETSON ENGINEERS INC	Stetson -Rialto Basin Groundwater Mngmt Plan	\$ 3,857.25	
82674	THE GAS COMPANY	HQ GAS SERVICE	\$ 16.31	
82675	THERMO ELECTRON NORTH AMERICA LLC	Dionex Parts	\$ 1,627.02	
82675	THERMO ELECTRON NORTH AMERICA LLC	Dionex Parts	\$ 1,454.63	
82675	THERMO ELECTRON NORTH AMERICA LLC	Dionex Parts	\$ 531.21	
82676	ULINE	SHOP SUPPLIES	\$ 487.29	
82676	ULINE	SHOP SUPPLIES	\$ 483.83	
82677	UNDERGROUND SERVICE ALERT	USA FEES-NEW TICKETS	\$ 169.42	
82678	USA BLUEBOOK	ROEMER SUPPLIES	\$ 449.45	
82678	USA BLUEBOOK	ROEMER SUPPLIES	\$ 492.21	
82679	RAMOS, SERGIO AND GENA	Customer Refund	\$ 9.39	
82680	STRICKLAND, INA	Customer Refund	\$ 57.97	
82681	MATICH CORPORATION	Customer Refund	\$ 1,122.20	
82682	NORTH FONTANA INVESTMENT	Customer Refund	\$ 1,686.63	
82683	UNITED PAVING CO	Customer Refund	\$ 1,670.97	
82684	GOMEZ, MARIA	Customer Refund	\$ 600.91	
DFT0002494	US BANK-CAL CARD (AL)	PRODUCTION REPAIR/MAINT	\$ 454.20	
DFT0002494	US BANK-CAL CARD (AL)	PRODUCTION SUPPLIES	\$ 29.99	
DFT0002494	US BANK-CAL CARD (AL)	ETAC TRAINING-GILBERT OLIVAREZ	\$ 120.00	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING-IVAN AMERICAN WATER COLLEGE	\$ 1,399.94	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING-ALLAN AMERICAN WATER COLLEGE	\$ 283.32	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING-ALBERT HERRERA AMERICAN WATER COL	\$ 249.99	
DFT0002494	US BANK-CAL CARD (AL)	MAINTENANCE SUPPLIES	\$ 206.03	
DFT0002494	US BANK-CAL CARD (AL)	TYLER TRAINING-HEIDI	\$ 750.00	
DFT0002494	US BANK-CAL CARD (AL)	TYLER TRAINING-FERNANDA	\$ 600.00	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING HEIDI HARPER-TYLER TECH	\$ 600.00	
DFT0002494	US BANK-CAL CARD (AL)	SHOP SUPPLIES	\$ 205.00	
DFT0002494	US BANK-CAL CARD (AL)	OFFICE SUPPLIES-WALMART	\$ 128.22	
DFT0002494	US BANK-CAL CARD (AL)	OFFICE SUPPLIES-OFFICE DEPOT	\$ 107.73	
DFT0002494	US BANK-CAL CARD (AL)	DISTRICT REP/MAINT	\$ 362.50	
DFT0002494	US BANK-CAL CARD (AL)	VEHICLES MAINTENANCE-WASH	\$ 205.00	
DFT0002494	US BANK-CAL CARD (AL)	FORKLIFT REP/MAINTENANCE	\$ 805.79	
DFT0002494	US BANK-CAL CARD (AL)	VEHICLE MAINT-RIALTO AUTO SPA	\$ 260.00	
DFT0002494	US BANK-CAL CARD (AL)	VEHICLE MAINTENANCE-FRANKS WASH	\$ 325.00	
DFT0002494	US BANK-CAL CARD (AL)	TYLER TRAINING-GINA	\$ 150.00	
DFT0002494	US BANK-CAL CARD (AL)	APA MEMBERSHIP JOSE MINCHEZ	\$ 275.00	
DFT0002494	US BANK-CAL CARD (AL)	INNOVYZE TRAINING-DANIEL	\$ 1,425.00	
DFT0002494	US BANK-CAL CARD (AL)	AWWA TRAINING-MARCO	\$ 75.00	
DFT0002494	US BANK-CAL CARD (AL)	ENG TRAINING MEALS-JERSEY MIKES	\$ 127.37	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING.COM-LINDA JADESKI	\$ 150.00	
DFT0002494	US BANK-CAL CARD (AL)	ENGINEERING SUPPLIES-AMAZON	\$ 49.57	
DFT0002494	US BANK-CAL CARD (AL)	ESRI TRAINING-TELAT	\$ 820.00	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING-TELAT- ESRI	\$ 1,640.00	
DFT0002494	US BANK-CAL CARD (AL)	AMERICAN WATER COLL TRAINING-MELISSA	\$ 89.95	
DFT0002494	US BANK-CAL CARD (AL)	AWWA TRAINING-RALPH	\$ 350.00	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING TRISTATE SEMINAR-CLIFF	\$ 99.00	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING TRISTATE SEMINAR-RALPH	\$ 99.00	
DFT0002494	US BANK-CAL CARD (AL)	MEMBERSHIP-AMERICAN PURCHASING SOCIETY-ME	\$ 209.00	
DFT0002494	US BANK-CAL CARD (AL)	TRISTATE SEMINAR LODGING DEP-CLIFF	\$ 90.40	
DFT0002494	US BANK-CAL CARD (AL)	TRISTATE SEMINAR LODGING DEP-RALPH	\$ 90.40	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

<b>EFT/Check #</b>	<b>Vendor Name</b>	<b>Description</b>	<b>O &amp; M Amount</b>	<b>CIP Amount</b>
DFT0002494	US BANK-CAL CARD (AL)	SURVEY MONKEY	\$ 384.00	
DFT0002494	US BANK-CAL CARD (AL)	ACWA/CSDA TRAINING-SOCORRO	\$ 970.00	
DFT0002494	US BANK-CAL CARD (AL)	TRAINING GRAMMARLY INC-MARY JO	\$ 350.00	
DFT0002494	US BANK-CAL CARD (AL)	DUES/SUBSCRIPTIONS-PR	\$ 28.00	
DFT0002494	US BANK-CAL CARD (AL)	SUBSCRIPTIONS-SAN BERNARDINO SUN	\$ 14.00	
DFT0002494	US BANK-CAL CARD (AL)	SUBSCRIPTION-GRAMMARLY INC	\$ 144.00	
DFT0002494	US BANK-CAL CARD (AL)	MEMBERSHIP-FONTANA CHAMBER OF COMMERCE	\$ 70.00	
DFT0002494	US BANK-CAL CARD (AL)	AIRFARE-SOCORRO	\$ 483.92	
DFT0002494	US BANK-CAL CARD (AL)	CSDA LODGING/AIRFARE-MARY JO	\$ 994.39	
DFT0002494	US BANK-CAL CARD (AL)	UNIFORMS-PR	\$ 465.48	
DFT0002494	US BANK-CAL CARD (AL)	OUTREACH PROGRAM	\$ 60.00	
DFT0002494	US BANK-CAL CARD (AL)	OUTREACH PROGRAM-MEALS	\$ 329.83	
DFT0002494	US BANK-CAL CARD (AL)	CUSTOM WATER.COM-WVWD WATER BOTTLES	\$ 1,387.03	
DFT0002495	US BANK-CAL CARD (HAYDEE)	WVWD STRATEGIC PLANNING BOARD/EXEC STAFF-7	\$ 1,500.00	
DFT0002495	US BANK-CAL CARD (HAYDEE)	POSTAGE/SHIPPING	\$ 26.95	
DFT0002495	US BANK-CAL CARD (HAYDEE)	VARIOUS REGISTRATIONS-HAYDEE	\$ 1,379.00	
DFT0002495	US BANK-CAL CARD (HAYDEE)	HR MEMBERSHIP ACCESS PERKS	\$ 125.00	
DFT0002495	US BANK-CAL CARD (HAYDEE)	HR MEMBERSHIP ACCESS PERKS	\$ 125.00	
DFT0002495	US BANK-CAL CARD (HAYDEE)	LODGING-HAYDEE SAINZ	\$ 689.46	
DFT0002495	US BANK-CAL CARD (HAYDEE)	TRAVEL MEALS-HAYDEE	\$ 341.33	
DFT0002495	US BANK-CAL CARD (HAYDEE)	LUNCH FOR GROUP TRAINING	\$ 236.73	
DFT0002495	US BANK-CAL CARD (HAYDEE)	AVE OF THE ARTS COSTA MESA-HAYDEE	\$ 8.00	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-SRFAX	\$ 12.32	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-ZOOM	\$ 531.78	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-GO DADDY	\$ 79.99	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-AMAZON WEB	\$ 1,208.95	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-ZOOM	\$ 531.78	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-GO DADDY	\$ 79.99	
DFT0002496	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-AMAZON WEB	\$ 1,226.71	
DFT0002497	US BANK-CAL CARD (PEGGY)	ASBCSD HOST MEETING	\$ 1,529.15	
DFT0002497	US BANK-CAL CARD (PEGGY)	VEHICLES MAINTENANCE-WASH	\$ 325.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA CONFERENCE REGISTRATION-RICKEY	\$ 775.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA / IE WORKFORCE REGISTRATION-HAWKINS	\$ 695.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA CONFERENCE REGISTRATION-A GARCIA	\$ 620.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA CONFERENCE AIRFARE-TAYLOR	\$ 347.96	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA AIRFARE/LODGING-A GARCIA	\$ 1,393.53	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA AIRFARE-HAWKINS	\$ 341.97	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA MEALS-RICKEY / DIRECTORS/STAFF	\$ 1,841.26	
DFT0002498	US BANK-CAL CARD (RICKEY)	LUNCH MEETINGS EXECUTIVE STAFF/DIRECTORS	\$ 406.07	
DFT0002498	US BANK-CAL CARD (RICKEY)	LUNCH MEETINGS-TEAM BUILDING	\$ 614.74	
DFT0002498	US BANK-CAL CARD (RICKEY)	COMMITTEE MEETINGS	\$ 71.41	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA AIRFARE/UBER/ LODGING-RICKEY	\$ 2,775.69	
DFT0002498	US BANK-CAL CARD (RICKEY)	MISC MEALS AND EXPENSES	\$ 595.55	
DFT0002498	US BANK-CAL CARD (RICKEY)	BOARD MEETING MEALS	\$ 27.02	
DFT0002498	US BANK-CAL CARD (RICKEY)	AIRFARE/UBER-RICKEY	\$ 350.66	
DFT0002498	US BANK-CAL CARD (RICKEY)	VEHICLES MAINTENANCE	\$ 9.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA CONFERENCE REGISTRATION-NASEEM	\$ 620.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	ACWA AIRFARE-NASEEM	\$ 350.96	
DFT0002498	US BANK-CAL CARD (RICKEY)	AIRFARE/LODGING-NASEEM	\$ 1,136.06	
DFT0002498	US BANK-CAL CARD (RICKEY)	EIG CONSTANT CONTACT-PR	\$ 225.00	
DFT0002498	US BANK-CAL CARD (RICKEY)	EIG CONSTANT CONTACT-PR	\$ 225.00	
DFT0002499	US BANK-CAL CARD (VAN)	LUNCH MEETING	\$ 13.59	
DFT0002499	US BANK-CAL CARD (VAN)	VARIOUS LUNCH MEETINGS/COMMITTEE MTGS	\$ 613.02	
DFT0002500	US BANK-CAL CARD (YOLANDA)	ADMIN MEALS	\$ 28.44	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

EFT/Check #	Vendor Name	Description	O & M Amount	CIP Amount
DFT0002500	US BANK-CAL CARD (YOLANDA)	FLOWERS VARIOUS OCCASIONS	\$ 487.35	
DFT0002500	US BANK-CAL CARD (YOLANDA)	POSTAGE/SHIPPING	\$ 34.09	
DFT0002500	US BANK-CAL CARD (YOLANDA)	AIRFARE-YOLANDA	\$ 117.95	
DFT0002500	US BANK-CAL CARD (YOLANDA)	MEALS/LODGING/TRANSPORTATION-WVWD	\$ 208.86	
DFT0002500	US BANK-CAL CARD (YOLANDA)	AIRFARE-HAYDEE	\$ 117.95	
DFT0002500	US BANK-CAL CARD (YOLANDA)	SAFETY LUNCHEON DRINKS	\$ 29.75	
DFT0002500	US BANK-CAL CARD (YOLANDA)	WELLNESS PROGRAM	\$ 803.03	
DFT0002500	US BANK-CAL CARD (YOLANDA)	WELLNESS PROGRAM-MOTHERS/FATHERS DAY	\$ 882.05	
DFT0002500	US BANK-CAL CARD (YOLANDA)	RECRUITMENT EXPENSES	\$ 12.55	
DFT0002500	US BANK-CAL CARD (YOLANDA)	RECRUITMENT MEALS--INTERVIEWS	\$ 12.95	
DFT0002501	PETTY CASH	ADMIN MEALS FOR BOARD MTGS	\$ 99.97	
DFT0002501	PETTY CASH	BOARD MEETING COOKIES	\$ 32.97	
DFT0002501	PETTY CASH	MISCELLANEOUS OFFICE EXP-RETIREMENT/SYMPATI	\$ 97.30	
DFT0002501	PETTY CASH	VEHICLES MAINT SUPPLIES	\$ 6.97	
DFT0002501	PETTY CASH	MEALS ENGINEERING MEETING	\$ 17.99	
DFT0002501	PETTY CASH	SAFETY LUNCHEON	\$ 60.00	
DFT0002502	US BANK-CAL CARD (AL)	TRAINING-POWERPOINT TRACI BROWN	\$ 149.00	
DFT0002502	US BANK-CAL CARD (AL)	PRODUCTION SUPPLIES	\$ 1,162.11	
DFT0002502	US BANK-CAL CARD (AL)	PRODUCTION SUPPLIES	\$ 1,387.29	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-GILBERT OLIVAREZ	\$ 375.00	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-JANET HARMON	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	AWC TRAINING-ALLAN HIDALGO	\$ 199.99	
DFT0002502	US BANK-CAL CARD (AL)	AWC TRAINING-ROBERT MACKAMUL	\$ 249.99	
DFT0002502	US BANK-CAL CARD (AL)	JCL TRAFFIC EQUIP RENTAL	\$ 2,828.44	
DFT0002502	US BANK-CAL CARD (AL)	MISC MEALS-CORKYS	\$ 48.46	
DFT0002502	US BANK-CAL CARD (AL)	PRINTING-SB COUNTY SUN	\$ 1,188.00	
DFT0002502	US BANK-CAL CARD (AL)	OFFICE SUPPLIES-COSTCO	\$ 471.32	
DFT0002502	US BANK-CAL CARD (AL)	OFFICE SUPPLIES-COSTCO	\$ 497.01	
DFT0002502	US BANK-CAL CARD (AL)	SHIPPING FEES=FEDEX	\$ 180.74	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-DANIEL GUERRA	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-JEFF GUILLIAM	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-RENE GABALDON	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-BERTHA PEREZ	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-MARCO BRAVO	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	AWWA TRAINING-ANGELA NAVARRO	\$ 150.00	
DFT0002502	US BANK-CAL CARD (AL)	COMP TIA TRAINING-NATHAN CAO	\$ 159.00	
DFT0002502	US BANK-CAL CARD (AL)	OFFENSIVE SECURITY TRAINING-NATHAN CAO	\$ 1,499.00	
DFT0002502	US BANK-CAL CARD (AL)	BOARD SUPPLIES	\$ 69.94	
DFT0002502	US BANK-CAL CARD (AL)	CAPIO TRAINING-MARY JO HARTLEY	\$ 80.00	
DFT0002502	US BANK-CAL CARD (AL)	PR SUBSCRIPTION-SB SUN	\$ 14.00	
DFT0002502	US BANK-CAL CARD (AL)	PR SUBSCRIPTION-CONSTANT CONTACT	\$ 225.00	
DFT0002502	US BANK-CAL CARD (AL)	PR SUBSCRIPTION-CANVA	\$ 119.99	
DFT0002502	US BANK-CAL CARD (AL)	AIRFARE D.C-SOCORRO PANTALEON	\$ 1,332.20	
DFT0002503	US BANK-CAL CARD (HAYDEE)	HR MEMBERSHIP ACCES PERKS	\$ 125.00	
DFT0002503	US BANK-CAL CARD (HAYDEE)	RECOGNITION SUPPLIES	\$ 64.64	
DFT0002503	US BANK-CAL CARD (HAYDEE)	RECRUITMENT ACCESS/ADVERTISING	\$ 200.00	
DFT0002504	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-ZOOM	\$ 531.78	
DFT0002504	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-GO DADDY (WP SUPPORT PL/	\$ 79.99	
DFT0002504	US BANK-CAL CARD (JON)	CONTRACTS/LICENSES-AMAZON WEB	\$ 1,237.21	
DFT0002505	US BANK-CAL CARD (PEGGY)	ACWA DC 2022 REGISTRATION-MOORE	\$ 760.00	
DFT0002505	US BANK-CAL CARD (PEGGY)	ACWA DC 2022 REGISTRATION-HAWKINS	\$ 760.00	
DFT0002505	US BANK-CAL CARD (PEGGY)	SPECIAL BOARD MTGS MEALS	\$ 789.77	
DFT0002505	US BANK-CAL CARD (PEGGY)	ACWA DC 2022 AIRFARE-MOORE	\$ 1,583.89	
DFT0002505	US BANK-CAL CARD (PEGGY)	BOARD MEETING MEALS	\$ 109.67	

**WEST VALLEY WATER DISTRICT**

## CASH DISBURSEMENT REPORT

August 2022

<b>EFT/Check #</b>	<b>Vendor Name</b>	<b>Description</b>	<b>O &amp; M Amount</b>	<b>CIP Amount</b>
DFT0002505	US BANK-CAL CARD (PEGGY)	VEHICLES MAINTENANCE-WASH	\$ 245.00	
DFT0002505	US BANK-CAL CARD (PEGGY)	VEHICLES MAINTENANCE-WASH	\$ 235.75	
DFT0002505	US BANK-CAL CARD (PEGGY)	BIA BALDY REGISTRATION-HAWKINS	\$ 198.00	
DFT0002506	US BANK-CAL CARD (VAN)	LUNCH MEETING	\$ 57.57	
DFT0002507	US BANK-CAL CARD (YOLANDA)	RETIREMENT EXPENSES-PEGGY	\$ 507.19	
DFT0002507	US BANK-CAL CARD (YOLANDA)	RETIREMENT EXPENSES-PEGGY	\$ 56.84	
DFT0002507	US BANK-CAL CARD (YOLANDA)	SAFETY LUNCHEON	\$ 836.03	
DFT0002507	US BANK-CAL CARD (YOLANDA)	PEGGYS RETIREMENT CATERING	\$ 3,088.48	
DFT0002507	US BANK-CAL CARD (YOLANDA)	WELLNESS PROGRAM	\$ 147.44	
DFT0002507	US BANK-CAL CARD (YOLANDA)	RECRUITMENT ADVERTISING	\$ 200.00	
			SUBTOTALS \$ 1,264,696.89	\$ 489,381.87
			<b>GRAND TOTAL</b>	<b>\$ 1,754,078.76</b>

# EXHIBIT B

**WEST VALLEY WATER DISTRICT  
PAYROLL GROSS WAGES  
FISCAL YEAR 2022 - 2023**

<b>Report Month</b>	<b>Description</b>	<b>From</b>	<b>To</b>	<b>Gross Wages Paid</b>
July 2022	Monthly Pay Period #7	06/01/22	06/30/22	7,113.22
July 2022	Pay Period #14	06/24/22	07/08/22	322,603.34
July 2022	Pay Period #15	07/08/22	07/22/22	295,540.63
	Total for July 2022			<u>625,257.19</u>
August 2022	Monthly Pay Period #8	07/01/22	07/31/22	7,113.22
August 2022	Pay Period #16	07/22/22	08/05/22	302,888.25
August 2022	Pay Period #17	08/05/22	08/19/22	291,827.03
	Total for August 2022			<u>601,828.50</u>



**WEST VALLEY WATER DISTRICT  
EFT AND PAYROLL ITEMS  
AUGUST 2022**

<b>Date</b>	<b>Item</b>	<b>Check No. or EFT</b>	<b>Amount</b>
08/04/22	Monthly Pay Period #8	none	172.87
08/11/22	Pay Period #16	none	1,860.76
08/25/22	Pay Period #17	none	153.74
	<b>Total Checks</b>		<b><u>2,187.37</u></b>
01/00/00	Federal Tax Withheld Social Security & Medicare	EFT	77,230.85
08/04/22	Monthly Pay Period #8 Direct Deposits	EFT	6,088.39
08/04/22	Federal Tax Withheld Social Security & Medicare	EFT	1,326.60
08/04/22	State Tax Withheld	EFT	88.85
08/11/22	Pay Period #16 Direct Deposits	EFT	200,370.82
08/11/22	Federal Tax Withheld Social Security & Medicare	EFT	77,230.85
08/11/22	State Tax Withheld and State Disability Insurance	EFT	16,685.46
08/11/22	Lincoln Deferred Compensation Withheld	EFT	14,516.67
08/11/22	Lincoln - Employer Match Benefit	EFT	3,375.00
08/11/22	Nationwide Deferred Compensation Withheld	EFT	2,692.00
08/11/22	Nationwide - Employer Match Benefit	EFT	625.00
08/11/22	CalPERS Retirement - Classic (EPMC and ER contribution)	EFT	27,526.45
08/11/22	CalPERS Retirement - 2nd Tier (EE and ER contribution)	EFT	16,665.66
08/11/22	California State Disbursement	EFT	1,050.46
08/25/22	Pay Period #17 Direct Deposits	EFT	195,823.40
08/25/22	Federal Tax Withheld Social Security & Medicare	EFT	73,516.52
08/25/22	State Tax Withheld and State Disability Insurance	EFT	15,869.63
08/25/22	Lincoln Deferred Compensation Withheld	EFT	14,238.14
08/25/22	Lincoln - Employer Match Benefit	EFT	3,375.00
08/25/22	Nationwide Deferred Compensation Withheld	EFT	2,692.00
08/25/22	Nationwide - Employer Match Benefit	EFT	625.00
08/25/22	CalPERS Retirement - Classic (EPMC and ER contribution)	EFT	27,513.50
08/25/22	CalPERS Retirement - 2nd Tier (EE and ER contribution)	EFT	16,404.92
08/25/22	California State Disbursement	EFT	1,050.46
08/16/22	EDD Unemployment Benefit Charge	EFT	1,202.00
08/18/22	GASB 68 Reporting Services Fee	EFT	700.00
08/31/22	FY2023 - OPEB Contribution - ARC to CERBT	EFT	726,660.00
	<b>Total EFT</b>		<b><u>1,447,912.78</u></b>
	<b>Grand Total Payroll Cash</b>		<b><u>1,450,100.15</u></b>



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** MONTHLY REVENUE & EXPENDITURES REPORT - AUGUST 2022

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**BACKGROUND:**

The Board of Directors requested the Monthly Financial Status Report to be presented to the Finance Committee for review and discussion before presenting these reports to the Board of Directors. The reports are being produced from the District's Financial System (System of Records) and will be presented on a monthly basis.

**DISCUSSION:**

The Monthly Financial Status Reports summarizes the District's revenue categories as well as expenditures for all Departments. The original total budget includes the adopted budget. Current total budget includes the adopted budget plus any budget amendments or adjustments made during the year. Period activity column represents activity for the reporting periods. Fiscal activity column represents the year-to-date activity or transactions that have been recorded in the general ledger from the beginning of the fiscal year July 1 through August 31. The encumbrance column represents funds encumbered with a purchase order that's not spent but committed. The percent column represents the percentage of the current budget that has been received (Revenue) or utilized (Expenditure).

**FISCAL IMPACT:**

There is no fiscal impact for producing the August 2022 Monthly Revenue & Expenditure Report.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors to approve the August 2022 Monthly Revenue & Expenditure Report.

Respectfully Submitted,

*Van Jew*

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Van Jew, Acting General Manager

Vj:jv

**ATTACHMENT(S):**

1. Exhibit A - 2022 August Monthly Revenue & Expenditure Report

**MEETING HISTORY:**

09/27/22 Finance Committee REFERRED TO BOARD

# EXHIBIT A



West Valley Water District, CA

# Budget Report

## Group Summary

For Fiscal: 2022-2023 Period Ending: 08/31/2022

Departmen...	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Used
<b>Revenue</b>							
4000 - Water consumption sales	19,701,888.00	19,701,888.00	2,202,838.32	3,987,049.67	0.00	-15,714,838.33	20.24 %
4010 - Water service charges	8,168,023.00	8,168,023.00	827,991.37	1,509,057.11	0.00	-6,658,965.89	18.48 %
4020 - Other operating revenue	3,967,920.00	3,967,920.00	397,387.91	358,337.71	0.00	-3,609,582.29	9.03 %
4030 - Property Taxes	3,069,566.00	3,069,566.00	0.49	-208.36	0.00	-3,069,774.36	0.01 %
4040 - Interest & Investment Earnings	350,000.00	350,000.00	-265,420.90	661,622.32	0.00	311,622.32	189.03 %
4050 - Rental Revenue	36,303.00	36,303.00	3,169.08	6,338.16	0.00	-29,964.84	17.46 %
4060 - Grants and Reimbursements	127,892.00	127,892.00	0.00	2,150.00	0.00	-125,742.00	1.68 %
4080 - Other Non-Operating Revenue	15,783.00	15,783.00	1,700.00	1,700.00	0.00	-14,083.00	10.77 %
<b>Revenue Total:</b>	<b>35,437,375.00</b>	<b>35,437,375.00</b>	<b>3,167,666.27</b>	<b>6,526,046.61</b>	<b>0.00</b>	<b>-28,911,328.39</b>	<b>18.42 %</b>

## Budget Report

For Fiscal: 2022-2023 Period Ending: 08/31/2022

Departmen...	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)	Percent Used
<b>Expense</b>							
5110 - Source Of Supply	2,530,789.00	2,530,789.00	34,927.97	34,927.97	0.00	2,495,861.03	1.38 %
5210 - Production	4,403,550.00	4,403,550.00	387,984.98	483,535.87	113,135.85	3,806,878.28	13.55 %
5310 - Water Quality	772,375.00	772,375.00	47,015.48	78,468.94	0.00	693,906.06	10.16 %
5320 - Water Treatment - Perchlorate	550,000.00	550,000.00	33,828.62	35,818.97	22,772.52	491,408.51	10.65 %
5350 - Water Treatment - FBR/FXB	2,204,600.00	2,204,600.00	151,692.12	218,409.92	585,972.43	1,400,217.65	36.49 %
5390 - Water Treatment - Roemer/Arsenic	1,944,210.00	1,944,210.00	196,915.27	259,528.42	233,026.72	1,451,654.86	25.33 %
5410 - Maintenance - T & D	2,545,250.00	2,545,250.00	121,278.42	213,618.18	402,969.22	1,928,662.60	24.23 %
5510 - Customer Service	1,323,600.00	1,323,600.00	91,591.76	165,524.02	0.00	1,158,075.98	12.51 %
5520 - Meter Reading	1,154,500.00	1,154,500.00	93,772.37	146,167.68	0.00	1,008,332.32	12.66 %
5530 - Billing	537,700.00	537,700.00	44,278.60	62,726.55	159,266.32	315,707.13	41.29 %
5610 - Administration	2,512,301.00	2,512,301.00	49,872.52	105,248.94	52,800.00	2,354,252.06	6.29 %
5615 - General Operations	3,378,372.00	3,378,372.00	148,068.46	841,117.35	302,689.08	2,234,565.57	33.86 %
5620 - Accounting	974,443.00	974,443.00	60,503.26	117,422.10	51,000.00	806,020.90	17.28 %
5630 - Engineering	1,793,120.00	1,793,120.00	124,302.73	222,554.60	54,643.50	1,515,921.90	15.46 %
5640 - Business Systems	1,369,630.00	1,369,630.00	83,849.32	144,374.86	1,280.93	1,223,974.21	10.63 %
5645 - GIS	285,830.00	285,830.00	14,532.89	26,389.16	0.00	259,440.84	9.23 %
5650 - Board Of Directors	304,900.00	304,900.00	16,540.53	26,380.06	26,550.00	251,969.94	17.36 %
5660 - Human Resources/Risk Management	964,580.00	964,580.00	32,916.16	65,972.84	131,330.00	767,277.16	20.45 %
5680 - Purchasing	667,300.00	667,300.00	42,490.51	75,329.42	0.00	591,970.58	11.29 %
5710 - Public Affairs	1,362,912.00	1,362,912.00	56,501.63	90,714.18	497,500.00	774,697.82	43.16 %
5720 - Grants & Rebates	80,000.00	80,000.00	2,098.00	2,098.00	0.00	77,902.00	2.62 %
<b>Expense Total:</b>	<b>31,659,962.00</b>	<b>31,659,962.00</b>	<b>1,834,961.60</b>	<b>3,416,328.03</b>	<b>2,634,936.57</b>	<b>25,608,697.40</b>	<b>19.11 %</b>
<b>Report Surplus (Deficit):</b>	<b>3,777,413.00</b>	<b>3,777,413.00</b>	<b>1,332,704.67</b>	<b>3,109,718.58</b>	<b>-2,634,936.57</b>	<b>-3,302,630.99</b>	<b>12.57 %</b>

Budget Report

For Fiscal: 2022-2023 Period Ending: 08/31/2022

Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Encumbrances	Variance Favorable (Unfavorable)
100 - Water Operations Fund	3,777,413.00	3,777,413.00	1,332,704.67	3,109,718.58	-2,634,936.57	-3,302,630.99
<b>Report Surplus (Deficit):</b>	<b>3,777,413.00</b>	<b>3,777,413.00</b>	<b>1,332,704.67</b>	<b>3,109,718.58</b>	<b>-2,634,936.57</b>	<b>-3,302,630.99</b>

**RESOLUTION NO. 2022-27**  
**A RESOLUTION OF THE BOARD OF DIRECTORS**  
**OF THE WEST VALLEY WATER DISTRICT**  
**PROCLAIMING A LOCAL EMERGENCY, RATIFYING THE PROCLAMATION**  
**OF A STATE OF EMERGENCY BY GOVERNOR GAVIN NEWSOM ON**  
**MARCH 4, 2020, AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS**  
**OF THE LEGISLATIVE BODIES OF WEST VALLEY WATER DISTRICT FOR THE**  
**PERIOD OCTOBER 14, 2022, THROUGH NOVEMBER 14, 2022,**  
**PURSUANT TO BROWN ACT PROVISIONS**

**WHEREAS**, West Valley Water District is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

**WHEREAS**, all meetings of the West Valley Water District's legislative bodies are open and public, as required by the Ralph M. Brown Act (Gov't Code § 54950 et seq.), so that any member of the public may attend, participate, and watch the district's legislative bodies conduct their business; and

**WHEREAS**, the Brown Act, Government Code section 54950(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

**WHEREAS**, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

**WHEREAS**, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the district's boundaries, caused by natural, technological, or human-caused disasters; and

**WHEREAS**, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or the state of emergency continues to impact some members' ability to meet safely in person; and

**WHEREAS**, such conditions now exist in the district, specifically, a state of emergency has been proclaimed due to an outbreak of respiratory illness due to a novel coronavirus (a disease now known as COVID-19); and

**WHEREAS**, the Board of Directors has determined that the state of emergency continues to directly impact the ability of some of the members to meet safely in person; and

**WHEREAS**, the Board of Directors does hereby find that the current state of emergency with respect to COVID-19, local official recommendations to promote social distancing, and conditions causing some risk to the health and safety of attendees, and will continue to cause, conditions of peril to the safety of some of persons with the district that are likely to be beyond the control of services, personnel, equipment, and facilities of the district, and desires to proclaim a



local emergency and ratify the proclamation of state of emergency by the Governor of the State of California; and

**WHEREAS**, as a consequence of the local emergency, the Board of Directors does hereby find that the legislative bodies of West Valley Water District shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953;

**NOW, THEREFORE, BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF THE WEST VALLEY WATER DISTRICT** as follows:

**Section 1. Recitals** The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

**Section 2. Proclamation of Local Emergency.** The Board hereby proclaims that a local emergency now exists throughout the district and declares that meeting in person could impact some members' ability to meet in person and would present imminent risk to the health and safety of some of the attendees.

**Section 3. Ratification of Governor's Proclamation of a State of Emergency.** The Board hereby ratifies the Governor of the State of California's Proclamation of a State of Emergency, effective as of its issuance date of March 4, 2020.

**Section 4. Remote Teleconference Meetings.** The General Manager and legislative bodies of the West Valley Water District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

**Section 5. Effective Date of Resolution.** This Resolution shall take effect on October 14, 2022 and shall be effective until the earlier of (a) November 14, 2022, or (b) such time the Board of Directors adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of the West Valley Water District may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

**ADOPTED, this 6<sup>th</sup> day of October, 2022.**

\_\_\_\_\_  
Channing Hawkins  
President of the Board of Directors  
West Valley Water District

\_\_\_\_\_  
Nancy Albitre  
Acting Board Secretary

Mr. Robert Tafoya approved  
LCW Legal Invoice via email  
on 9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
5<sup>th</sup> Floor  
Los Angeles, CA 90045  
310-981-2000  
Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 222541  
June 30, 2022

Client/Matter No.: WE126-00008  
Re: Paul Becker 2022 Complaint & Investigation

For Professional Services Rendered Through June 30, 2022

---

**BILLING SUMMARY**

<b>Total Fees</b>	<b>\$143.50</b>
<b>Total Costs</b>	<b>\$3,357.50</b>
<b>Total Charges</b>	<b>\$3,501.00</b>

Mr. Robert Tafoya approved  
 LCW Legal Invoice via email on  
 9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
 5<sup>th</sup> Floor  
 Los Angeles, CA 90045  
 310-981-2000  
 Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 222542  
 June 30, 2022

Client/Matter No.: WE126-00009  
 Re: Paul Becker 2020 Complaint & Investigation

---

**Billing Summary**

<b>Total Fees</b>	<b>\$39.00</b>
<b>Total Costs</b>	<b>\$1,619.50</b>
<b>Total Charges</b>	<b><u>\$1,658.50</u></b>

Mr. Robert Tafoya  
approved LCW Legal  
Invoice via email on  
9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
5<sup>th</sup> Floor  
Los Angeles, CA 90045  
310-981-2000  
Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 220804  
May 31, 2022

Client/Matter No.: WE126-00008  
Re: Paul Becker 2022 Complaint & Investigation

---

**Billing Summary**

<b>Total Fees</b>	
<b>Total Costs</b>	<b>\$156.00</b>
<b>Total Charges</b>	<b>\$158.00</b>
	<b>\$314.00</b>

Mr. Robert Tafoya approved  
LCW Legal Invoice via email  
on 9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
5<sup>th</sup> Floor  
Los Angeles, CA 90045  
310-981-2000  
Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 220809  
May 31, 2022

Client/Matter No.: WE126-00009  
Re: Paul Becker 2020 Complaint & Investigation

---

**Billing Summary**

<b>Total Fees</b>	<b>\$78.00</b>
<b>Total Costs</b>	<b>\$0.00</b>
<b>Total Charges</b>	<b>\$78.00</b>

Mr. Robert Tafoya approved  
LCW Legal Invoice via email  
on 9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
5<sup>th</sup> Floor  
Los Angeles, CA 90045  
310-981-2000  
Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 224189  
July 31, 2022

Client/Matter No.: WE126-00001  
Re: General

**Billing Summary**

<b>Total Fees</b>	<b>\$57.00</b>
<b>Total Costs</b>	<b>\$0.00</b>
<b>Total Charges</b>	<b>\$57.00</b>

Mr. Robert Tafoya  
approved LCW Legal  
Invoice via email on  
9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
5<sup>th</sup> Floor  
Los Angeles, CA 90045  
310-981-2000  
Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 224191  
July 31, 2022

Client/Matter No.: WE126-00007  
Re: William "Bill" Krueger Matters

---

**Billing Summary**

<b>Total Fees</b>	<b>\$924.50</b>
<b>Total Costs</b>	<b>\$0.00</b>
<b>Total Charges</b>	<b>\$924.50</b>

Mr. Robert Tafoya approved  
LCW Legal Invoice via email  
on 9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
5<sup>th</sup> Floor  
Los Angeles, CA 90045  
310-981-2000  
Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 224198  
July 31, 2022

Client/Matter No.: WE126-00008  
Re: Paul Becker 2022 Complaint & Investigation

---

**Billing Summary**

Total Fees	\$455.50
Total Costs	\$4,345.00
Total Charges	<u>\$4,800.50</u>



Mr. Robert Tafoya approved  
 LCW Legal Invoice via email on  
 9/12/2022.

**LCW** LIEBERT CASSIDY WHITMORE

---

A PROFESSIONAL LAW CORPORATION

6033 W. Century Boulevard  
 5<sup>th</sup> Floor  
 Los Angeles, CA 90045  
 310-981-2000  
 Fed. Tax I.D. #95-3658973

Attorney – Client Privilege

**West Valley Water District**  
**Haydee Sainz**  
**Human Resources & Risk Management Manager**  
**hsainz@wvwd.org**

Invoice 224199  
 July 31, 2022

Client/Matter No.: WE126-00009  
 Re: Paul Becker 2020 Complaint & Investigation

---

**Billing Summary**

Total Fees	\$170.00
Total Costs	\$1,935.50
Total Charges	<u>\$2,105.50</u>

Mr. Robert Tafoya approved via  
email 9/15/2022.

HUNT ORTMANN PALFFY NIEVES  
DARLING & MAH, INC.  
301 N. LAKE AVE  
7TH FLOOR  
PASADENA, CA 91101  
(626) 440-5200

WEST VALLEY WATER DISTRICT  
Attn: Accounts Payable  
P.O. BOX 190  
RIALTO, CA 92377

September 14, 2022

Account #        7473.002  
Invoice #        95531

In Reference to:    Contracts

FOR PROFESSIONAL SERVICES RENDERED THROUGH 08/31/2022 SUMMARY OF FEES AND COSTS:

Total Fees:	\$2,044.00
Total Costs:	\$0.00
<b><u>Total Balance Due</u></b>	<b><u>\$2,044.00</u></b>



*Handwritten signature and date: 9/24/22*

**ALBRIGHT, YEE & SCHMIT, APC**  
707 Wilshire Boulevard, Suite 3600  
Los Angeles, CA 90017-3516  
Phone: (213) 833-1700  
Fax: (213) 833-1710  
www.ayslaw.com

West Valley Water District

## Invoice

Invoice Number	27656
Invoice Date	09/21/2022
Payment Due On	09/21/2022
<b>Amount Due</b>	<b>\$5,776.50</b>

Pay Now



Scan to pay

### Professional Fee Summary

Name		Hours	Rate	Total
Clifton W. Albright	President	7.90	\$300.00	\$2,370.00
Cristeta Summers	Litigation Coordinator	11.80	\$275.00	\$3,245.00
Connie White	Paralegal	0.60	\$225.00	\$135.00
<b>Total</b>		<b>20.30</b>		<b>\$5,750.00</b>

### Prior Balances

Date	Invoice Number	Due Date	Amount	Payments/Credits	Due
<b>Total</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Thank you for your business!

Please make checks payable to: Albright, Yee & Schmit, APC  
707 Wilshire Boulevard, Suite 3600  
Los Angeles, CA 90017-3516  
Attn: Accounts Receivable

Payment is due upon receipt.  
We accept payment by Credit Card and eCheck.

*Our Taxpayer ID # 37-1779958*



*Handwritten signature and initials, possibly 'AYC' and 'g/retro'.*

**ALBRIGHT, YEE & SCHMIT, APC**  
707 Wilshire Boulevard, Suite 3600  
Los Angeles, CA 90017-3516  
Phone: (213) 833-1700  
Fax: (213) 833-1710  
www.ayslaw.com

West Valley Water District

## Invoice

Invoice Number	27657
Invoice Date	09/21/2022
Payment Due On	09/21/2022
<b>Amount Due</b>	<b>\$3,587.50</b>

Pay Now



Scan to pay

## Professional Fee Summary

Name		Hours	Rate	Total
Clifton W. Albright	President	5.90	\$300.00	\$1,770.00
Lolita Brown-Fletcher	Senior Counsel	0.10	\$300.00	\$30.00
Cristeta Summers	Litigation Coordinator	6.50	\$275.00	\$1,787.50
<b>Total</b>		<b>12.50</b>		<b>\$3,587.50</b>

## Prior Balances

Date	Invoice Number	Due Date	Amount	Payments/Credits	Due
<b>Total</b>			<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Thank you for your business!

Please make checks payable to: Albright, Yee & Schmit, APC

707 Wilshire Boulevard, Suite 3600

Los Angeles, CA 90017-3516

Attn: Accounts Receivable

Payment is due upon receipt.

We accept payment by Credit Card and eCheck.

*Our Taxpayer ID # 37-1779958*

Approved by Robert  
Tafoya via email  
September 28, 2022.



**Carpenter, Rothans & Dumont LLP**

500 South Grand Avenue, 19th Floor  
Los Angeles, California 90071  
T: 213.228.0400  
F: 213.228.0401  
www.crdlaw.com

Mr. Robert Manuel Nacionales Tafoya  
GENERAL COUNSEL  
WEST VALLEY WATER DISTRICT  
316 W. 2NC STREET, SUITE 200  
LOS ANGELES, CA 90012

RE: **GUNN, DIANA v. WEST VALLEY WATER DISTRICT**  
CLAIM NO.: UNKNOWN  
DATE OF LOSS: 06/30/2020  
CASE NO.: CIV SB 2117195  
OUR FILE NO: WVWD.1001

**BILLING INVOICE SUMMARY**

	<b>Current</b>	<b>YTD</b>	<b>FTD</b>
Invoice #	41971		
FEES	\$5,420.00	\$11,250.00	\$18,262.50
COSTS	\$0.00	\$1,313.04	\$392.78
<b>TOTAL</b>	<b>\$5,420.00</b>	<b>\$12,563.04</b>	<b>\$18,655.28</b>
<b>TOTAL DUE FOR AUGUST 2022:</b>		<b>\$5,420.00</b>	

# **West Valley Water District**

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## ***BOARD OF DIRECTORS POLICIES AND PROCEDURES MANUAL***

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Version *1.0*  
*8/29/2020*



# VERSION HISTORY

Version #	Revision Date	Approved By	Approval Date	Reason
1.0		<i>Greg Young                      Kyle Crowther                      Clifford Young                      Michael Taylor                      Channing Hawkins</i>	<mm/dd/yyyy>	<i>Original adoption</i>

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# 1 INTRODUCTION

## 1.1 PURPOSE OF BOARD OF DIRECTORS POLICIES AND PROCEDURES MANUAL

The purpose of this Board of Directors Policies and Procedures Manual is to describe the policies and procedures approved by the Board of Directors to be used in the conduct of Board business. The intent of these procedures is to:

- Provide for the fair and efficient consideration of board decisions;
- Provide for the protection of board members rights and privileges;
- To ensure that the public is informed of the matters coming before the Board;
- To ensure that the public has an opportunity to witness and comment upon the deliberations of the Board; and
- To encourage proper public involvement in the Board's decision making.

Each Director, upon assuming office, shall be given a copy of this Board Procedures Manual, and shall be asked to comply with the policies and procedures in this Board of Directors Policies and Procedures Manual.

## 2 DISTRICT MISSION AND VISION

### 2.1 MISSION STATEMENT

The West Valley Water District Board of Directors has adopted the following mission statement:

*West Valley Water District provides our customers with safe, high quality and reliable water service at a reasonable rate and in a sustainable manner.*

### 2.2 VISION STATEMENT

The West Valley Water District Board of Directors has adopted the following vision statement:

*West Valley Water District will continue to be a national model in the water industry for innovation, fiscal responsibility, sound conservation practices, and a relentless commitment to our employees and the communities we serve.*

## 3 AUTHORITY

The Board of Directors is the governing body of the District. The District operates under authority of Division 12 of the California Water Code for County Water District. The District is governed by an elected Board of Directors who has authority to manage and conduct the business and affairs of the District, including the authority to fix terms and conditions of employment (including compensation) of District employees.

Apart from his/her normal function as a member of the Board, a Director have no individual authority. As single individuals, Directors may not commit the District to any policy, act, or expenditure.

## **4 BROWN ACT COMPLIANCE: OPEN MEETING REQUIREMENTS**

### **4.1 RALPH M. BROWN ACT**

The Legislature adopted the Brown Act, commonly referred to as California's "Open Meetings Laws" in 1964. The Brown Act is contained in Government Code § 54950.5 et seq. The Brown Act is broadly construed, and compliance is constitutionally mandated.

The Ralph M. Brown Act provides for three different types of meetings; Regular, Special and Emergency. Accordingly, the District shall satisfy the appropriate notice requirement for each type of meeting and indicate the type of meeting on the notice.

### **4.2 COMPLIANCE WITH BROWN ACT**

All meetings of the Board of Directors shall comply with the Brown Act.

- a. A member of the Board includes newly elected and appointed officials prior to assuming office.
- b. All Board meetings shall be open and freely accessible to the public, including those with disabilities.
- c. Meetings through the use of intermediaries, serial communications, or emails are prohibited.
- d. The Board shall only take action during a properly noticed meeting.

### **4.3 COMMITTEES**

Standing Committees created by formal action of the Board shall comply with the Brown Act. Ad-Hoc committees do not need to conform to Brown Act noticing protocols.

## **5 CONFLICT OF INTEREST**

### **5.1 CONFLICT OF INTEREST: OVERVIEW**

Pursuant to provision of California Government Code § 81,000 et. seq., commonly known as the Political Reform Act, the District shall adopt and maintain a Conflict of Interest Code. The Conflict of Interest Code and any amendments thereto shall be adopted by resolution of the Board of Directors.

California Government Code § 87100 states as follows: "No public official at any level of state or local government shall make, participate in making or in any way attempt to use his official position to influence a government decision in which he knows or has reason to know he has a financial interest."

California Government Code § 87101, § 87103 and § 87103.5 provides explicit language explaining the nature of a "conflict of interest" and disclosure relating to Board responsibilities. Directors are required to be in compliance with all District, State and Federal requirements of the Conflict of Interest Codes".

The Board of Directors shall review the adopted Conflict of Interest Code on a biennial basis. At the Board of Directors meeting in September of each even-numbered year, or when practicable, the Board of Directors shall review its Conflict of Interest Code and, if amendments are needed, shall instruct the District Board Secretary to submit amendments to the relevant authority in accordance with applicable deadlines. If no amendments are needed, the Board of Directors shall

submit a written statement saying that its Conflict of Interest Code is still accurate.

## 5.2 DISCLOSURE OF ECONOMIC INTEREST

- a. Directors who have a financial interest in a decision within the meaning of California Government Code § 87100 et seq. shall publicly identify in detail the economic interest that creates the conflict, recuse themselves from discussing and voting on the matter and leave the room until after the discussion, vote, and any other disposition of the matter is concluded.
- b. Identification shall occur following the announcement of the agenda item to be discussed or voted upon, but prior to commencement of either the discussion or vote.
- c. If the agenda item is to take place during a closed session, identification of the economic interest shall be made during the public meeting prior to the closed session but is limited to a declaration that the Director has a conflict of interest. The economic interest that is the basis for the conflict need not be disclosed.
- d. Directors are not required to leave the room for an agenda item on the consent calendar provided that the Director recuses him/herself and publicly discloses the economic interest as described above.
- e. Notwithstanding this section, when the conflict is a personal interest as defined by applicable Fair Political Practices Commission regulations, a director may speak as a member of the general public during the time that the general public speaks on the issue, provided the Director has complied with the provision of this section regarding identification of the conflict, recuses his/herself from voting on the matter and, leaves the Board conference table to speak from the same area as the members of the general public. Directors disqualified pursuant to this section shall not be counted toward achieving a quorum while the item is being discussed.

## 6 BOARD ACTIONS AND DECISIONS

### 6.1 A QUORUM

Action can only be taken by the three-vote majority of the five-member Board of Directors representing a quorum for the conduct of business.

Until a quorum is present, there can be no meeting of the Board of Directors. The presence of a minimum of three Board members is required to constitute a quorum of the five-member Board of Directors. No ordinance, resolution or motion shall be passed by the Board of Directors without a majority vote of the Board. County Water District Boards cannot pass anything without at least 3 votes in favor. So, if the quorum is three people, then all have to agree to pass anything. "No ordinance, resolution, or motion shall be passed or become without the affirmative votes of at least a majority of the members of the board" Cal. Water Code §30525. A member abstaining in a vote is considered as absent for that vote. A member abstaining due to a conflict of interest does not count towards a quorum.

- Example. If three of five Directors are present at a meeting, a quorum exists and business can be conducted unless the abstention is due to a conflict of interest. However, if one Director abstains on a particular action and the other two cast "aye" votes, no action is taken because a "majority of the Board" did not vote in favor of the action.

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- Example. If an action is proposed requiring a two-thirds vote and two Directors abstain, the proposed action cannot be approved because four of the five Directors would have to vote in favor of the action.
- Example. If a vacancy exists on the Board and a vote is taken to appoint an individual to fill said vacancy, three Directors must vote in favor of the appointment for it to be approved. If two of the four Directors present abstain, the appointment is not approved.

**6.2 DIRECTION**

The Board may give directions that are not formal action. Such directions do not require formal procedural process. Such directions include the Board's directives and instructions to the General Manager.

- a. The President shall determine, by consensus, a Board directive and shall state it for clarification. Should any two Directors challenge the statement of the President, a voice vote may be requested.
- b. A formal motion may be made to place a disputed directive on a future agenda for Board consideration, or to take some other action (such as refer the matter to the General Manager for review and recommendation, etc.).
- c. Informal action by the Board is still Board action and shall only occur regarding matters that appear on the agenda for the Board meeting during which said informal action is taken.
- d. Nothing in this policy prevents the Board from providing direction to the General Manager in response to public comments or under Board member or General Manager comments, as allowed under the Brown Act. No vote or action shall be taken.

**7 TYPES OF BOARD MEETINGS****7.1 REGULAR MEETINGS**

Regular meetings of the Board of Directors shall be held on the first and third Thursday of each calendar month at 6:00pm in the District Board Room located at 855 W Baseline Rd, Rialto, CA 92376. The date, time and place of regular Board meetings may be reconsidered at such other time as the Board may determine due to a change in District needs and circumstances.

**7.2 SPECIAL MEETINGS**

Special meetings of the Board of Directors may be called by the Board President or by a majority of the Board.

- a. All Directors shall be notified of the special Board meeting and the purpose or purposes for which it is called. Notice of the meeting shall be in writing, received by them at least 24 hours prior to the meeting.
- b. An agenda shall be prepared and posted at least 24 hours before the meeting, as specified in Brown Act and shall be delivered with the notice of the special meeting to the Board of Directors.
- c. Notice of the meeting shall be posted at the District and on the District website in accordance to the requirements of the Brown Act.
- d. Only those items of business listed in the call for the special meeting shall be considered by the Board at any special meeting.

### 7.3 EMERGENCY MEETINGS

In the event of an emergency situation involving matters upon which prompt action is necessary due to the disruption or threatened disruption of public facilities, the Board of Directors may hold an emergency special meeting without complying with the 24-hour notice requirement. An emergency situation means a crippling disaster which severely impairs public health, safety, or both, as determined by a majority of the Board.

- a. When possible, notice shall be provided to the media outlets by telephone at least one hour before the meeting.
- b. Actions taken during an emergency meeting shall be by roll call vote.
- c. The Board may meet in closed session if agreed to by a two-thirds vote of the members present, or if less than two thirds present, by unanimous vote.
- d. Following an emergency meeting, the minutes of the meeting, a list of persons notified or attempted to be notified of the meeting, and actions taken must be posted for ten days in the District office.

### 7.4 ANNUAL ORGANIZATIONAL MEETING

The Board of Directors shall hold an annual election at its first regular meeting in December. At this meeting the Board will elect a President and Vice President from among its members to serve during the coming calendar year.

## 8 BOARD MEETING AGENDA

### 8.1 REGULAR MEETINGS

The General Manager, in cooperation with the Board President, shall prepare an agenda for each regular and special meeting of the Board of Directors in accordance with the Brown Act. Any Director may contact the General Manager, Board President, or Board Secretary to request an item to be placed on the agenda. Board member items should be timely and be submitted prior to 5:00 PM on Tuesday, the week before the next board meeting.

### 8.2 AGENDA POSTING

Agendas for regular meetings shall be posted 72 hours in advance of the meeting and agendas for special meetings shall be posted 24 hours in advance of the meeting. The posting must occur in a place that is freely accessible to the public and on the District's website. The agenda shall also be accessible in an open location by that date.

Posting of the agenda for all regular meetings of the Board of Directors, as defined within the meaning of the Ralph M. Brown Act, shall be in compliance with California Government Code § 54954.2. Posting of the agenda for all special meetings of the Board of Directors and/or other "legislative bodies", as defined within the meaning of the Ralph M. Brown Act, shall be in compliance with California Government Code § 54956. Posting of the agendas for all "emergency meetings" of the Board of Directors, as defined within the meaning of the Ralph M. Brown Act shall be in compliance with California Government Code § 54956.5(b).

### 8.3 AGENDA PACKET

When distributing agenda packet and other materials to members of the Board of Directors, those materials should be provided to all members at the same time.

A copy of the agenda for each regular meeting of the Board of Directors shall be



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provided to each Board member no later than the Friday of the week prior to of each regular meeting, together with copies of all applicable supporting documentation; minutes to be approved; staff reports; and other available documents pertinent to the meeting. Directors shall review agenda materials before each meeting. Individual Directors may confer directly with the General Manager to request additional information on the agenda items before or at the meeting.

**8.4 PUBLIC REQUEST FOR ADDITIONS TO THE AGENDA**

Any member of the public may request that a matter directly related to District business be placed on the agenda of a regularly scheduled meeting of the Board of Directors, subject to the following conditions:

- a. The request must be in writing and be submitted to the General Manager [or other responsible managing employee] together with supporting documents and information, if any, at least seven business days prior to the date of the meeting.
- b. The General Manager shall be the sole judge of whether the public request is or is not a "matter directly related to District business."
- c. The General Manager shall determine the timing of when the item will be placed on the agenda.
- d. The public member requesting the agenda item may appeal the General Manager's decision at the next regular meeting of the Board of Directors. Any Director may request that the item be placed on the agenda of the Board's next regular meeting.
- e. No matter, which is legally a proper matter for consideration by the Board in closed session, will be added to an Open Session agenda under this policy.
- f. The Board of Directors may place limitations on the total time to be devoted to a public request issue at any meeting and may limit the time allowed for any one person to speak on the issue at the meeting.

**9 BOARD MEETING CONDUCT****9.1 ATTENDANCE AT MEETINGS**

Members of the Board of Directors are expected to attend, all regular and special meetings of the Board unless there is good cause for absence. Good governance requires Board Members to be present and engaged, however circumstance sometimes arise that may prevent a Board Member from being present for a meeting.

Good cause for absence, including late arrivals or early departures, includes temporary illness, family illnesses, being outside the County or State, or other unavoidable circumstances of which the President of the Board is notified prior to the meeting. Good cause also includes Board authorized meeting absences such as attendance at a conference directly related to the functions and interests of the District or at the meeting of another public agency in order to participate in an official capacity.

A Board Member who will be absent for good cause shall notify the General Manager or Board Secretary prior to the meeting who shall then notify the President of the impending absence. Board members shall make every effort to relay absences as far in advance as possible. The President must excuse all absences

for Board members who communicate their absence prior to the board meeting.

## **9.2 AGENDA TIMING**

All Board meetings shall commence at the time stated on the agenda and shall be guided by same. The placement of an item on the agenda shall not be deemed a requirement that the items proceed in any particular order. The Board President, with concurrence of a majority of the Board, may alter the order in which agenda items shall be considered for discussion and/or action by the Board.

## **9.3 RULES OF ORDER**

The Board of Director's for West Valley Water District have adopted Rosenberg's Rules of Order to govern the conduct the business of the Board. A simplified handout regarding Rosenberg's Rules of Order are provided to each Board member on the dais.

## **9.4 CLOSED SESSIONS**

The Board of Directors' meeting shall be open to the public, except when the Board is convened in Closed Session, as authorized under provisions of the Ralph M. Brown Act (California Government Code § 54950 et seq.).

The Board may conduct a closed session during a noticed meeting for certain matters, as identified on the agenda, where it is necessary to conduct business in private. Major reasons for permissible closed sessions, as authorized by the Brown Act, include real property transactions, labor negotiations, and pending/anticipated litigation. Except as required by law, all proceedings in Closed Sessions shall remain confidential.

## **9.5 ADJOURNED MEETINGS**

A majority vote of the quorum of the Board of Directors may adjourn any Board meeting at any place in the agenda to a time and place specified in the order of adjournment, except that if no quorum is present or no Directors are present at any regular or adjourned regular meeting, the Board president or General Manager may declare the meeting adjourned to a stated time and place. Notice of the adjourned meeting shall be posted on or near the door of the meeting within 24 hours after the adjournment and the adjourned meeting shall be noticed in the same manner as a special meeting.

## **9.6 DECORUM**

The President shall take whatever actions are necessary and appropriate to preserve order and decorum during Board meetings, including public hearings. The President may eject any person or persons making personal, impertinent or slanderous remarks, refusing to abide by a request from the President, or otherwise disrupting the meeting or hearing.

- a. Directors shall at all times conduct themselves with courtesy to each other, to staff, and to members of the audience present at Board meetings.
- b. Directors shall defer to the presiding officer for conduct of meetings of the Board but shall be free to question and discuss items on the agenda. All comments should be brief and confined to the matter being discussed by the Board.

- c. Directors may request for inclusion into the meeting minutes brief comments pertinent to an agenda item (including, if desired, a position on abstention or dissenting vote).

## 9.7 DISRUPTION OF MEETINGS

The President may also declare a short recess during any meeting.

Willful disruption of any of the meetings of the Board of Directors shall not be permitted. If the President finds that there is willful disruption of any meeting of the Board, he/she may do the following:

- a. Notify the disrupting parties to immediately stop the conduct and that they will be asked to leave the meeting if the behavior continues.
- b. If the behavior continues after notice, order the disrupting parties out of the room and conduct the Board's business without them present.
- c. In cases of extreme disruption, clear the room of all members of the public, and conduct the Board's business without them present.

## 10 MINUTES OF BOARD MEETINGS

The Secretary of the Board of Directors shall keep minutes of all regular and special meetings of the Board.

- a. Copies of a meeting's minutes shall be distributed to Directors as part of the information packet for the next regular meeting of the Board, at which time the Board will consider approving the minutes as presented or with modifications. Once approved by the Board, the official minutes shall be scanned and made available for public review.
- b. Unless directed otherwise, an electronic recording of regular and special meetings of the Board of Directors will be made. Members of the public may inspect recordings of Board meetings through the District's website or by submitting a request to the Board Secretary.
- c. Motions, resolutions or ordinances shall be recorded in the minutes as having passed or failed. The motion makers, and individual votes will be recorded. A unanimous vote shall be recorded as a vote in favor by each member.
- d. All resolutions and ordinances adopted by the Board shall be numbered consecutively, starting new at the beginning of each calendar year.
- e. In addition to other information that the Board may deem to be of importance, the following information (if relevant) shall be included in each meeting's minutes:
  - Date, place and type of each meeting;
  - Directors present and absent by name;
  - Administrative staff present by name;
  - Call to order;
  - Time and name of late arriving Directors;
  - Time and name of early departing Directors;

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- Names of Directors absent during any agenda item upon which action was taken;
- Summary record of public comment regarding matters not on the agenda, including names of commentators;
- Approval of the minutes or modified minutes of preceding meetings;
- Summary record of staff reports;
- Complete information as to each subject of the Board's deliberation;
- Record of the vote of each Director on every action item for which the vote was not unanimous;
- Resolutions and ordinances described as to their substantive content and sequential numbering;
- Record of all contracts and agreements, and their amendment, approved by the Board;
- Approval of the annual budget;
- Approval of all polices, rules and/or regulations;
- Approval of all dispositions of District assets;
- Approval of all purchases of District assets;
- Approval of financial reports;
- Date and time of next meeting; and,
- Time of meeting's adjournment.

**11 COMMITTEES OF THE BOARD RULES AND CONDUCT****11.1 PURPOSE AND SCOPE**

Assignment to a Standing Committees shall be made a majority vote of the Board.

A committee of the Board of Directors may qualify as a "legislative body" as that term or its successor terms are defined within the meaning of the Ralph M. Brown Act (California Government Code § 54950 et seq.). All meetings of subsidiary bodies and/or committees of the Board of Directors, which are defined as a "legislative body", as that term or its successor terms are defined in the Ralph M. Brown Act, shall be open to the public, except when convened in Closed Session, as authorized under provisions of the Ralph M. Brown Act.

Unless authority to perform a duty is expressly delegated by the Board of Directors to a committee, committee motions and recommendations shall be advisory to the Board of Directors and shall not commit the District to any policy, act or expenditure. Nor may any committee direct staff to perform specific duties unless duly authorized by the Board of Directors.

**11.2 AD-HOC COMMITTEE**

The purpose of an Ad-Hoc Advisory Committee and the time allowed to accomplish that purpose shall be outlined at the time of appointment. Appointments to Ad-Hoc Committees are made at the discretions of the President or the Board. A temporary advisory committee shall be considered dissolved when its purpose has been

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accomplished or when the timeframe for its existence has expired, whichever occurs first. Any recommendations from committees shall be submitted to the Board via a written or oral report.

- a. An ad-hoc committee shall be comprised solely of members of the Board and shall consist of less than a majority of Board Members.
- b. An ad-hoc committee may make recommendations to the Board. The Board may not delegate any decision-making power to a temporary advisory committee.
- c. An ad-hoc committee shall meet on an as needed basis and shall not have a meeting schedule fixed by charter, ordinance, resolution, or formal action of the Board.

## **12 DUTIES OF THE BOARD PRESIDENT AND VICE PRESIDENT**

### **12.1 PRESIDING OFFICER**

The President of the Board of Directors shall serve as the presiding officer at all Board meetings. In the absence, disability or resignation of the President, the Vice President of the Board of Directors shall serve as the presiding officer over all meetings of the Board. When the President disqualifies himself/herself from participating in an agenda item, the Vice-President shall perform the duties of the presiding officer. If the President and Vice President of the Board are both absent or disabled, the remaining members present shall select one of themselves to act as temporary presiding officer of the meeting.

The presiding officer shall have the same rights as the other members of the Board in voting, introducing motions, resolutions and ordinances, and any discussion of questions that follow said actions. The presiding officer may move, second, debate, and vote from the chair.

### **12.2 DUTIES REGARDING MEETINGS**

The President shall preside over and conduct all meetings of the Board of Directors, shall carry out the resolution and orders of the Board of Directors, and shall exercise such other powers and perform such other duties as the Board of Directors shall prescribe including, but not limited to, the following:

- a. Call the meeting to order at the appointed time;
- b. Announce the business to come before the Board in its proper order;
- c. Enforce the Board's policies in relation to the order of business and the conduct of meetings;
- d. Recognize persons who desire to speak, and protect the speaker who has the floor from disturbance or interference;
- e. Explain what the effect of a motion would be if it is not clear to every member;
- f. Restrict discussion to the question when a motion is before the Board;
- g. Rule on parliamentary procedure;
- h. Put motions to a vote, and state clearly the results of the vote; and
- i. Preserve order and decorum.

### 12.3 RESPONSIBILITIES

Responsibilities of the President include, but are not limited to, the following:

- a. Sign all instruments, act, and carry out stated requirements and the will of the Board;
- b. Sign the minutes of the Board meeting following their approval;
- c. Call such meetings of the Board as he/she may deem necessary, giving notice as prescribed by law;
- d. Coordinate the preparation of meeting agendas with the General Manager;
- e. Confer with the General Manager and Vice President on crucial matters which may occur between Board of Directors meetings;
- f. Be responsible for the orderly conduct of all Board meetings;
- g. Be the spokesperson for the Board; and
- h. Perform other duties as authorized by the Board.

### 12.4 EXECUTIVE COMMITTEE

The President and Vice President shall constitute the Executive Committee and shall advise and give limited direction to the General Manager on issues that arise between board meetings. A majority vote of the Board of Directors shall countermand any direction given by the Executive Committee.

- a. The Executive Committee shall meet with the General Manager once a week to discuss progress towards Board directed activities. Further consultation with the General Manager shall be on as needed basis.
- b. Any urgent advice or direction given by the President alone must be discussed with the Vice President at the first practical opportunity.
- c. The President does not have authority to make decisions or give direction without consultation of the Vice President unless the issue in question is time sensitive and the Vice President is not available for consultation. Likewise, the in the absence of the President, the Vice President may act if the President is not available and immediate direction to the General Manager is required.
- d. All financial decisions or direction made or given by the Executive Committee, even if exercised under the General Manager's authority must be reported to the full board at the next scheduled board meeting.
- e. All personnel decisions or direction made or given by the Executive Committee, even if exercised under the General Manager's authority must be reported to the full board at the next scheduled board meeting.
- f. The General Manager shall also share the responsibility to report direction given by the President, Vice President, and or the Executive Committee as a whole to the full Board of Directors at each regular meeting.
- g. Decisions or advise that the General Manager believes can wait until the next meeting of the full Board, must be added as an agenda item for the next meeting for discussion and direction from the full Board.

## 13 DIRECTOR EDUCATION AND CONFERENCES

### 13.1 OVERVIEW

Members of the Board of Directors are encouraged to attend educational conferences, seminars, trainings, and professional meetings when the purpose of any such activity is to improve District operation. There is no limit as to the number of Directors attending a particular activity when it is apparent that attendance is beneficial to the District, as long as a majority of the Board members do not discuss issues related to the District's business, which is a violation of the Ralph Brown Act. Directors shall not attend conference or training event when it is apparent that there is no significant benefit to the District. Further details involving conferences and educational organizations Directors may participate in shall be found in Ordinance 86: Compensation And Policies Related To Board Activities.

## 14 BOARD MEMBERS RIGHTS AND PRIVILEGES

### 14.1 RIGHTS AND PRIVILEGES

The Board of Directors are comprised of five directors elected by separate divisions and each constitute one-fifth of the board. No one directors voice is greater than another and to ensure that every director is treated equally, the following rights and privileges shall not be infringed upon.

- a. Every director has a right to pull any item from the consent calendar to be considered as a business item without need of a second nor a vote of the board as a whole.
- b. Every director has a right to be heard and involved in the discussion of an item. Discussion and debate are an important function of public transparency; therefore, the President shall make every effort to allow every board member to participate in the discussion of an item in order to foster a productive debate on the issue under consideration.
- c. Every director has a right to hear the staff report on a business item before motions or discussion shall be considered.
- d. Every director has a right to ask technical questions on a business item before motions or discussion shall be considered.
- e. Every director has a right to make a substitute motion, which must be recognized by the President, and if properly seconded must be taken up immediately.
- f. Every director has a right to be made aware of any or all public records requests being made of the District if they wish.
- g. Every director has a right to review all press releases being prepared by the District prior to them being issued. The District shall share regular press release drafts with directors at least twenty-four (24) hours prior to issuance. Emergency or time sensitive press releases may be issued after providing directors with at least one (1) hour to review. If a majority of the Board has concerns about a press release it shall not be issued.
- h. Every director has a right to review director fees and reimbursements and the District shall provide monthly reports of all director's fees and reimbursements to each director.

- i. Every director has a right to be made aware of any direction or decisions given by the President, Vice President or collectively as the Executive Committee that occurs between meetings of the full board.
- j. Every director has a right to be aware of requests for information from any local, state, or federal law enforcement or judicial agency made of the District.
- k. Every director has a right to be made aware of investigative reports and request for information from local, state, or federal regulatory or oversight agencies.
- l. Every director has a right to be made aware of all professional services contracts exercised under the General Manager's authority.
- m. Every director has a right to request additional information from staff on an agenda item. The information shall be made available to the other boards members as well.
- n. Every director has a right to be made aware of complaints received from District ratepayers regarding water quality and customer service.
- o. Every director has a right to be made aware of water leaks or line breaks that occur in their respective division.

## 15 CODE OF ETHICS

### 15.1 OVERVIEW

The District Board of Directors is committed to providing excellence in legislative leadership that results in providing the highest quality service to its ratepayers. The Board of Directors is expected to maintain the highest ethical standards, to follow District policies and regulations, and to abide by all applicable local, state and federal laws. The Director's conduct should reflect the integrity and goals of the District.

To assist in governing the behavior among members of the Board, the following rules shall be observed:

- a. The dignity, style, values and opinions of each Director shall be respected.
- b. Responsiveness and attentive listening in communications is encouraged.
- c. The needs of the District ratepayers should be the priority of the Board of Directors.
- d. The primary responsibility of the Board of Directors is to formulate and evaluate its policies, which affect the ratepayers and/or the employees of District.
- e. Differing viewpoints are healthy in the decision-making process. Individual Directors have the right to disagree with ideas and opinions, though doing so in a respectful manner.
- f. Once the Board of Directors acts, Directors should commit themselves to supporting the action and not to creating barriers to the implementation of the action.

Directors should practice the following procedures:

- g. In seeking clarification on items, Directors may directly approach the General Manager to obtain information needed to supplement or enhance their



knowledge and improve their legislative decision making.

- h. In handling complaints from residents and property owners of the District, any complaints and/or concerns should be referred to the General Manager and may be followed up by the entire Board of Directors.
- i. In handling items related to safety, concerns regarding safety hazards should be reported to the General Manager. Emergency situations should be dealt with immediately by taking appropriate action.
- j. In seeking clarification for policy-related concerns, especially those involving personnel, legal action, land acquisition and development, finance, and programming, these concerns should be referred to the General Manager directly.

The work of the District is a team effort:

- k. All individuals should work together in a collaborative process, assisting each other in conducting the affairs of the District.
- l. Directors should develop a working relationship with the General Manager so current issues, concerns and District projects can be discussed comfortably and openly.
- m. Directors should function as a part of the whole; issues should be brought to the attention of the Board of Directors rather than to individual members selectively.
- n. When approached by District personnel concerning specific District policy, Directors should direct inquiries to the General Manager.
- o. When responding to constituent requests and concerns, Directors should be courteous, responding to individuals in a professional manner and route their questions through appropriate channels to the General Manager.
- p. Directors are responsible for monitoring the District's progress in attaining its goals in pursuit of its mission.

## 15.2 ETHICS TRAINING

All Directors, designated staff, and members of all commissions, committees and other bodies that are subject to the Brown Act shall receive two hours of training in general ethics principles and ethics laws relevant to public service within one year of election or appointment to the board of directors and at least once every two years thereafter, pursuant to Government Code § 53234 et seq. as may be amended from time to time.

- a. All ethics training shall be provided by providers whose curricula have been approved by the California Attorney General and the Fair Political Practices Commission.
- b. Ethics training may consist of either a group training course or a set of self-study materials with tests, and may be taken at home, in person, or online.
- c. Attendees shall obtain proof of participation after completing the ethics training. Applicable costs for attending the training shall be reimbursed by the District.
- d. The District shall maintain records indicating the name of the entity that provided the training and the dates ethics training was completed. Records

shall be maintained for a period of at least five years after the date on which the training was received. These records are public records subject to disclosure under the California Public Records Act.

- e. District staff shall provide the prospective attendees with information on available training that meets the requirements of this policy at least once every year.
- f. A single training course may be used to satisfy the obligation to receive training for multiple agencies or positions.

### **15.3 PREVENTION OF SEXUAL HARASSMENT**

The District is committed to creating and maintaining a work environment free of objectionable and disrespectful conduct and/or communication of a sexual nature and prohibits sexual harassment by all employees and the Board of Directors.

Conduct which creates an intimidating, hostile or offensive work environment will not be tolerated. Verbal behavior, physical behavior, gestures and other non-verbal behavior which create said environment will not be tolerated.

To meet the requirements established by AB 1825, 2053 & 1661, each local official (Board Member) shall receive at least two hours of prevention of sexual harassment training and education within the first six months of taking office and every two years thereafter.

### **15.4 NON-DISCRIMINATION**

The District shall not unlawfully discriminate against qualified employees or job applicants on the basis of sex, race, color, religion, national origin, ancestry, marital status, sexual orientation, physical or mental disability, age or war veteran status.

Equal opportunity shall be provided to all qualified employees and applicants in every aspect of personnel policy and practice. The District shall not discriminate against physically or mentally disabled persons who, with reasonable accommodation, can perform the essential function of the job in question. All employees are expected to carry out their responsibilities in a manner that is free from discriminatory statements or conduct.

### **15.5 REASONABLE ACCOMMODATION-AMERICANS WITH DISABILITIES ACT**

Pursuant to the Americans with Disabilities Act, employers have a duty to reasonably accommodate employees and job applicants with known disabilities. This accommodation is not required for individuals who are not otherwise qualified for the job nor is accommodation generally required until the person with the disability requests it. The following optional regulation includes procedures recommended by the Equal Employment Opportunity Commission for use when determining what accommodation to make.

Requests for reasonable accommodation should be directed to Human Resources.

## **16 LEGAL COUNSEL**

### **16.1 GENERAL DUTIES**

The Board shall employ an individual or firm of attorneys licensed to practice law in the State of California, to advise and represent the District and to assure full compliance with the requirements of the District Enabling Act and applicable laws.

**BOARD OF DIRECTORS POLICIES AND PROCEDURES MANUAL**

Legal counsel shall serve at the pleasure and direction of the Board of Directors. The resolution appointing the Legal Counsel shall include terms of an agreed upon fee schedule. Legal Counsel shall be responsible for:

- a. Reviewing, preparing documents as requested by the Board, or by the General Manager pursuant to Water Code Section 30580, and making appropriate comment on matters or recommendations presented in written or oral form;
- b. Reviewing and preparing documents as requested by the Board in advance of meetings. The General Manager will request that Legal Counsel or Special Legal Counsel review and/or prepare notices, agendas, resolutions, ordinances, minutes, agreements, contracts and supporting materials pursuant to Water Code Section 30580;
- c. Attending each meeting of the Board, unless excused, in advance or during a meeting; and attending other meetings as authorized by the Board or directed by the General Manager; and,
- d. Attending Board Committee meetings, upon request of the General Manager or the Board, as well as attending other business meetings of the District as requested by the Board.

**16.2 SPECIAL LEGAL COUNSEL**

The Board of Directors shall appoint Special Legal Counsel to assist the Board and District when the Board determines that attorneys with specialized legal expertise are needed to represent or advise the Board and District staff. The legal services agreement with each Special Legal Counsel shall specify the scope of legal services to be provided.

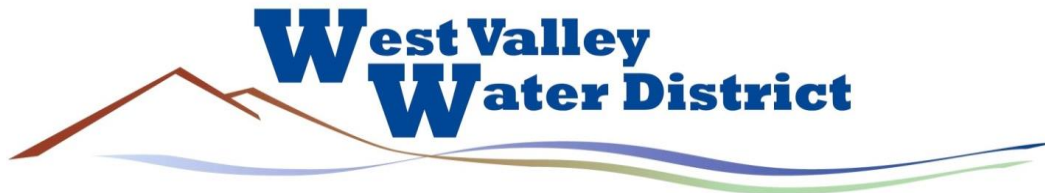
**16.3 LEGAL COUNSEL REPORTING AND ADVICE**

- a. The Legal Counsel and Special Legal Counsels report to the Board as a whole. However, the Legal Counsel is available to each individual director for consultation regarding legal matters particular to that individual director's participation in matters where the individual director may have a conflict of interest. However, no attorney-client relationship shall be established with the individual director as a result of such consultation. An individual director (1) may not give direction to the Legal Counsel or any Special Legal Counsel without prior concurrence of the Board, and (2) may not request a legal opinion of the Legal Counsel or any Special Counsel without the prior concurrence of the Board, except as such requests relate to questions regarding that individual director's participation in board decisions. The Legal Counsel and Special Legal Counsels shall be available to the General Manager and District staff to the extent authorized by the Board, or authorized by the General Manager pursuant to Water Code Section 30580, for consultation on applicable issues and activities within the scope of the applicable legal services agreement approved by the Board.
- b. Legal Counsel and Special Legal Counsels shall report directly to the Board and General Manager all potential legal problems and liabilities they notice or discover during their employment by the District. If the subject of the potential legal problem or liability is a Director or the General Manager, then the report shall be made to other than that Director or General Manager.
- c. Legal Counsel and Special Legal Counsels shall be available to answer

- questions from the Board during closed sessions. The General Manager shall copy all correspondences and communications to and from Legal Counsel and Special Counsels to the Board on all closed session items.
- d. The President or the Board may appoint one or two directors to an Ad Hoc Committee for each legal case. The Board may grant limited authority to the Ad Hoc Committees to direct Legal Counsel and Special Legal Counsels. The limited authority will be assigned and described by the Board in a resolution when any such Ad Hoc Committee is created. The Ad Hoc Committee shall report in closed session (if permitted) to the Board at the next Board meeting following any direction given by the Ad Hoc Committee to Legal Counsel and Special Legal Counsels and any other actions taken.
  - e. Legal Counsel and Special Legal Counsels shall notify the Board and the General Manager about important events, rulings or decisions made regarding the District's case(s). Legal Counsel and Special Legal Counsel shall endeavor to do so within 72 hours of such events, rulings or decisions.
  - f. Legal Counsel and Special Legal Counsels shall email the entire Board and the General Manager, if the General Manager is not subject of the case, copies of all briefs, dockets, applicable court calendars, motions and filings submitted to the Court and all documents and notices received from the Court and opposing parties.
  - g. Legal Counsel and Special Legal Counsels shall only perform work that has been authorized by the Board, or by the General Manager pursuant to Water Code Section 30580.

## 17 STATEMENT OF POLICY SUPREMACY

The Board of Directors Policy and Procedures Manual shall be amended by a vote of board only and not by any other policy adoption. In areas of dispute between The Board of Directors Policy and Procedures Manual and other policies or action, this manual and the polices contained herein shall take precedence over other policies. The District shall make every effort to revise any conflicting policies to align with this document.



**BOARD OF DIRECTORS  
STAFF REPORT**

**DATE:** October 6, 2022  
**TO:** Board of Directors  
**FROM:** Van Jew, Acting General Manager  
**SUBJECT:** ADOPT RESOLUTION NO. 2022-26, ADOPTING A MITIGATED  
 NEGATIVE DECLARATION ON DISTRICT PROJECT KNOWN AS  
 THE 18-INCH TRANSMISSION MAIN INSTALLATION PROJECT.

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**BACKGROUND:**

The California Environmental Quality Act (“CEQA”) is a California statute that requires state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible.

The West Valley Water District (“District”) proposes to construct an 18-inch Transmission Main Crossing Ontario Interstate 15 Freeway from Citrus Avenue to Lytle Creek Road Project (“Project”). The 18-inch diameter transmission main is required for increased development that is projected to occur in Pressure Zone 7.

As required by CEQA, an Initial Study (“IS”) was prepared for the Project to determine if it may result in a significant effect on the environment. This IS provides the preliminary environmental review of the proposed project, as required pursuant to the provisions of the CEQA, Public Resources Code 21000, et seq., and the State CEQA Guidelines. The IS also serves to identify whether the proposed projects will result in significant environmental effects that would require preparation of an Environmental Impact Report.

**DISCUSSION:**

The Project is the construction of a new 18-inch transmission main approximately 650 linear feet to connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario Interstate 15 freeway with a 32-inch diameter steel casing within Caltrans right-of-way and terminate at Citrus Avenue in anticipation of future development within the area. Pursuant to the provisions of CEQA, the District is the CEQA Lead Agency and is charged with determining whether or not to approve the proposed project and adopt a Mitigated Negative Declaration.

An IS was distributed for public review from August 1, 2022 to August 30, 2022 (State Clearinghouse No. 2022070521). Other than a letter from the State Clearinghouse confirming receipt of the IS, no agencies or members of the public submitted comment letters addressing the project or IS. Attached as **Exhibit A** is a copy of the IS. Mitigation measures outlined in the IS

would mitigate the effects of any environmental impacts the project may have a level of insignificance. This item requires a public hearing in order to allow for public input on the proposed CEQA determination. A public notice of intent to adopt the MND as outlined in the District's CEQA procedures and guidelines will be prepared. Attached as **Exhibit B** is a copy of the Notice of Determination and MND. Attached as **Exhibit C** is a copy of the Resolution No. 2022-26 for the Project. Attached as **Exhibit D** is the Public Hearing Notice proof for the posting in the San Bernardino Sun Newspaper.

**FISCAL IMPACT:**

No fiscal impact.

**STAFF RECOMMENDATION:**

Staff recommends that the Board of Directors:

1. Approve the Initial Study, Notice of Determination and Mitigated Negative Declaration; and
2. Adopt the Resolution No. 2022-26 for the 18-inch Transmission Main Installation Project.

Respectfully Submitted,

*Van Jew*

---

Van Jew, Acting General Manager

RMG;ls

**ATTACHMENT(S):**

1. Exhibit A - Initial Study for 18-inch Transmission Main Installation Project
2. Exhibit B - Notice of Determination and MND
3. Exhibit C - Resolution No. 2022-26
4. Exhibit D - Proof of Publication

**MEETING HISTORY:**

09/14/22      Engineering, Operations and Planning Committee      REFERRED TO BOARD

# EXHIBIT A

**FINAL INITIAL STUDY**

**FOR THE**

**WEST VALLEY WATER DISTRICT**

**18-INCH TRANSMISSION MAIN INSTALLATION**

**PROJECT**

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Prepared for:

**West Valley Water District**  
855 W. Baseline Road  
Rialto, California 92376

Prepared by:

**Tom Dodson & Associates**  
P.O. Box 2307  
San Bernardino, California 92406  
(909) 882-3612

**September 2022**



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Absence of Comments Letter

Mitigation Monitoring and Reporting Program

Draft Initial Study (w/ Appendices)

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**ABSENCE OF COMMENTS  
LETTER**

**TOM DODSON & ASSOCIATES**PHYSICAL ADDRESS: 2150 N. ARROWHEAD AVENUE SAN BERNARDINO, CA 92405MAILING ADDRESS: PO BOX 2307, SAN BERNARDINO, CA 92406

TEL (909) 882-3612 • FAX (909) 882-7015

E-MAIL TDA@TDAENV.COM

**MEMORANDUM**

From: Kaitlyn Dodson-Hamilton, Vice President, Tom Dodson &amp; Associates

To: Rosa M. Gutierrez, Senior Engineer, West Valley Water District

Date: September 1, 2022

Subj: **Completion of the Mitigated Negative Declaration for the West Valley Water District 18-Inch Transmission Main Installation Project (SCH No. 2022070521)**

West Valley Water District (WVWD or District) prepared and distributed an Initial Study (IS) and Mitigated Negative Declaration (MND) for the WVWD 18-Inch Transmission Main Installation Project and made it available for public review in accordance with the requirements of the California Environmental Quality Act (CEQA). The IS was distributed to local and regional organizations and was also available for public review at the District and was made available online. The IS and Notice of Intent (NOI) were circulated for 30 days of public comment.

The District did not receive any comment letters on the proposed IS/MND for the proposed Project by the close of the comment period on August 30, 2022. CEQA requires a MND to consist of the IS, copies of any comments and responses thereof, the mitigation monitoring and reporting program, and any other project-related material prepared to address issues evaluated in the IS.

For this project, the original IS will be utilized as one component of the Final IS/MND package. This letter, which confirms that no comments regarding the proposed WVWD 18-Inch Transmission Main Installation Project were received, combined with the IS and the Mitigation Monitoring and Reporting Program (MMRP), constitute the Final MND package that will be used by the District to consider the environmental effects of implementing the proposed project.

Because mitigation measures are required for this project to reduce potentially significant impacts to a less than significant level, the MMRP attached to this package is required to be adopted as part of this Final IS/MND package. The MMRP has been incorporated by reference to this package for approval and implementation. The District proposes to consider adopting the Final IS/MND through a hearing that has been scheduled before the Board of Directors on October 6, 2022. The District has posted the Agenda for this Hearing in accordance with the applicable requirements.

Do not hesitate to give me a call if you have any questions regarding the contents of this package.

Kaitlyn Dodson-Hamilton, Vice President

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## MITIGATION MONITORING AND REPORTING PROGRAM

**WEST VALLEY WATER DISTRICT  
18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification
<p><b>Air Quality</b></p> <p><b>AQ-1</b> Fugitive Dust Control. The following measures shall be incorporated into project plans and specifications for implementation during construction:</p> <ul style="list-style-type: none"> <li>• Apply soil stabilizers to inactive areas.</li> <li>• Prepare a high wind dust control plan and implement plan elements and terminate soil disturbance when winds exceed 25 mph.</li> <li>• Stabilize previously disturbed areas if subsequent construction is delayed.</li> <li>• Apply water to disturbed surfaces 3 times/day.</li> <li>• Replace ground cover in disturbed areas quickly.</li> <li>• Reduce speeds on unpaved roads to less than 15 mph.</li> <li>• Trenches shall be left exposed for as short a time as possible.</li> <li>• Identify proper compaction for backfilled soils in construction specifications.</li> </ul>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this air mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the air quality measure has been implemented as required. Field notes documenting verification shall be retained in the project file.</p>

Source	Responsible Party	Status / Date / Initials
Initial Study	West Valley Water District (WVWD)	

Mitigation Measure	Implementation Schedule	Verification
<p><b>Air Quality</b></p> <p><b>AQ-2</b> Exhaust Emissions Control. The following measures shall be incorporated into Project plans and specifications for implementation:</p> <ul style="list-style-type: none"> <li>• Utilize off-road construction equipment that has met or exceeded the maker's recommendations for vehicle/equipment maintenance schedule.</li> <li>• Contactors shall utilize Tier 4 or better heavy equipment.</li> <li>• Enforce 5-minute idling limits for both on-road trucks and off-road equipment.</li> </ul>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this air mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the air quality measure has been implemented as required in this measure. Field notes documenting verification shall be retained in the project file.</p>

Source	Responsible Party	Status / Date / Initials
Initial Study	WVWD	

**WEST VALLEY WATER DISTRICT  
18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification						
<p><b>Biological Resources</b>                      BIO-1 Preconstruction presence/absence surveys for burrowing owl shall be conducted no more than 3 days prior to any onsite ground disturbing activity by a qualified biologist, including prior to each phase of new ground disturbance. The burrowing owl surveys shall be conducted pursuant to the recommendations and guidelines established by the California Department of Fish and Wildlife in the "California Department of Fish and Wildlife 2012 Staff Report on Burrowing Owl Mitigation." In the event this species is not identified within the project limits, no further mitigation is required, and a letter shall be prepared by the qualified biologist documenting the results of the survey. The letter shall be submitted to CDFW prior to commencement of project activities. If during the preconstruction survey, the burrowing owl is found to occupy the site, Mitigation Measure BIO-2 shall be required.</p>	<p>The preconstruction survey shall occur prior to the initiation of construction.</p>	<p>A copy of the letter report documenting the field survey and presence/absence of burrowing owl shall be retained in the project file.</p>						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Source</th> <th style="text-align: center;">Responsible Party</th> <th style="text-align: center;">Status / Date / Initials</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Initial Study</td> <td style="text-align: center;">WVWD</td> <td></td> </tr> </tbody> </table>			Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD	
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Initial Study	WVWD							

Mitigation Measure	Implementation Schedule	Verification
<p><b>Biological Resources</b>                      BIO-2 If burrowing owls are identified during the survey period, the District shall take the following actions to offset impacts prior to ground disturbance:                       The District shall notify CDFW within three business days of determining that a burrowing owl is occupying the site to discuss the observed location, activities and behavior of the burrowing owl(s) and appropriate avoidance and minimization measures.                       Active nests within the areas scheduled for disturbance or degradation shall be avoided until fledging has occurred, as confirmed by a qualified biologist. Following fledging, owls may be passively relocated by a qualified biologist, as described below.                       If impacts on occupied burrows are unavoidable, onsite passive relocation techniques may be used if approved by the CDFW to encourage owls to move to alternative burrows provided by the District outside of the impact area.                       If relocation of the owls is approved for the site by CDFW, CDFW shall require the District to hire a qualified biologist to prepare a plan for relocating the owls to a suitable site and conduct an impact</p>	<p>This measure shall be implemented concurrent with or prior to construction. All reports shall be prepared at the conclusion of the implementation of this measure.</p>	<p>The District shall document measures taken should active burrows be identified and retain all documentation, including the final report, in the project file.</p>

**WEST VALLEY WATER DISTRICT  
18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification
<p>assessment. A qualified biologist shall prepare and submit a passive relocation program in accordance with Appendix E (i.e., Example Components for Burrowing Owl Artificial Burrow and Exclusion Plans) of the 2012 Staff Report on Burrowing Owl Mitigation (CDFG 2012) to the CDFW for review/approval prior to the commencement of disturbance activities onsite.</p> <p>The relocation plan must include all of the following and as indicated in Appendix E:</p> <ul style="list-style-type: none"> <li>• The location of the nest and owls proposed for relocation.</li> <li>• The location of the proposed relocation site.</li> <li>• The number of owls involved and the time of year when the relocation is proposed to take place.</li> <li>• The name and credentials of the biologist who will be retained to supervise the relocation.</li> <li>• The proposed method of capture and transport for the owls to the new site.</li> <li>• A description of site preparation at the relocation site (e.g., enhancement of existing burrows, creation of artificial burrows, one-time or long-term vegetation control).</li> </ul> <p>The District shall conduct an impact assessment, in accordance with the Staff Report on Burrowing Owl Mitigation prior to commencing project activities to determine appropriate mitigation, including the acquisition and conservation of occupied replacement habitat at no less than a 2:1 ratio.</p> <p>Prior to passive relocation, suitable replacement burrows site(s) shall be provided at a ratio of 2:1 and permanent conservation and management of burrowing owl habitat such that the habitat acreage, number of burrows and burrowing owl impacts are replaced consistent with the Staff Report on Burrowing Owl Mitigation including its Appendix A within designated adjacent conserved lands identified through coordination with CDFW and the District. A qualified biologist shall confirm the natural or artificial burrows on the conservation lands are suitable for use by the owls. Monitoring and management of the replacement burrow site(s) shall be conducted and a reporting plan shall be prepared. The objective shall be to manage the replacement burrow sites for the benefit of burrowing owls (e.g., minimizing weed cover), with the specific goal of maintaining the functionality of the burrows for a minimum of 2 years.</p>		

**WEST VALLEY WATER DISTRICT  
18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure		Implementation Schedule	Verification
A final letter report shall be prepared by the qualified biologist documenting the results of the passive relocation. The letter shall be submitted to CDFW.			

Source	Responsible Party	Status / Date / Initials
Initial Study	WVWD	

Mitigation Measure	Implementation Schedule	Verification
<p><b>Biological Resources</b></p> <p><b>BIO-3</b> Nesting bird surveys shall be conducted by a qualified avian biologist no more than three (3) days prior to vegetation clearing or ground disturbance activities. Preconstruction surveys shall focus on both direct and indirect evidence of nesting, including nest locations and nesting behavior. The qualified avian biologist will make every effort to avoid potential nest predation as a result of survey and monitoring efforts. If active nests are found during the preconstruction nesting bird surveys, a Nesting Bird Plan (NBP) shall be prepared and implemented by the qualified avian biologist. At a minimum, the NBP shall include guidelines for addressing active nests, establishing buffers, ongoing monitoring, establishment of avoidance and minimization measures, and reporting. The size and location of all buffer zones, if required, shall be based on the nesting species, individual/pair's behavior, nesting stage, nest location, its sensitivity to disturbance, and intensity and duration of the disturbance activity. To avoid impacts to nesting birds, any grubbing or vegetation removal should occur outside peak breeding season (typically February 1 through September 1).</p>	Construction shall occur outside of the nesting season or a copy of the field survey documenting no nesting birds shall be completed prior to initiating construction within the nesting season.	District personnel shall document the dates of construction. If construction is proposed to occur within the nesting season, a copy of the field survey documenting the absence of nesting birds shall be retained in the project file.

Source	Responsible Party	Status / Date / Initials
Initial Study	WVWD	



**WEST VALLEY WATER DISTRICT  
18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification
<p><b>Cultural Resources</b> CUL-1 Should any cultural resources be encountered during construction of these facilities, earthmoving or grading activities in the immediate area of the finds shall be halted and an onsite inspection shall be performed immediately by a qualified archaeologist. Responsibility for making this determination shall be with the District. The archaeological professional shall assess the find, determine its significance, and make recommendations for appropriate mitigation measures within the guidelines of the California Environmental Quality Act.</p>	<p>Any response to exposed resources shall occur during construction. Any reports documenting management and findings for accidentally exposed resources shall be completed within one year of the discovery.</p>	<p>The District shall be notified within 24-hours of accidental exposure of any cultural resources. A copy of initial findings shall be provided to the District and retained in the project file. A copy of the final report shall be retained in the project file.</p>

Source	Responsible Party	Status / Date / Initials
Initial Study	WVWD	

Mitigation Measure	Implementation Schedule	Verification
<p><b>Cultural Resources</b> CUL-2 Archaeological Monitoring Due to the heightened cultural sensitivity of the proposed project area, an archaeological monitor with at least 3 years of regional experience in archaeology shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work), though the District shall not be obligated to fund the Tribe's monitoring activities. A sufficient number of archaeological monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist and submitted to the District for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and approve the plan, it shall be adopted by the District – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.</p>	<p>This measure shall be implemented during construction, and any ongoing monitoring shall occur during the corresponding period of construction. The Monitoring and Treatment Plan shall be approved prior to construction. Where required, monitoring and any other measures recommended shall be included as part of the construction contract, and shall be carried out during construction.</p>	<p>A copy of the monitoring and treatment plan and of the construction contract shall be retained in the project file. Verification of implementation shall be based on field inspections by District staff providing documentation of implementation. Field notes from inspections shall be retained in the project file.</p>

Source	Responsible Party	Status / Date / Initials
Initial Study	WVWD	

**WEST VALLEY WATER DISTRICT  
18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification						
<p><b>Geology and Soils</b></p> <p>GEO-1 Stored backfill material shall be covered with water resistant material during periods of heavy precipitation to reduce the potential for rainfall erosion of stored backfill material. Where covering is not possible, measures such as the use of straw bales or sand bags shall be used to capture and hold eroded material on the Project site for future cleanup such that erosion does not occur.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the geology/soils measure has been implemented as required in the measure. Field notes documenting verification shall be retained in the project file.</p>						
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Geology and Soils</b></p> <p>GEO-2 Excavated areas shall be backfilled and compacted such that erosion does not occur. Paved areas disturbed by this project shall be repaved in such a manner that roadways and other disturbed areas are returned to the pre-project conditions or better.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the geology/soils measure has been implemented as required in the measure. Field notes documenting verification shall be retained in the project file.</p>						
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18-INCH TRANSMISSION MAIN INSTALLATION PROJECT  
MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification						
<p><b>Geology and Soils</b> GEO-3 All exposed, disturbed soil (trenches, stored backfill, etc.) will be sprayed with water or soil binders twice a day or more frequently if fugitive dust is observed migrating from the site within which the pipelines are being installed.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the geology/soils measure has been implemented as required in the measure. Field notes documenting verification shall be retained in the project file.</p>						
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Geology and Soils</b> GEO-4 The length of trench which can be left open at any given time will be limited to that needed to reasonably perform construction activities. This will serve to reduce the amount of backfill stored onsite at any given time.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this geology/soils mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the geology/soils measure has been implemented as required in the measure. Field notes documenting verification shall be retained in the project file.</p>						
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MITIGATION MONITORING AND REPORTING PROGRAM**

Mitigation Measure	Implementation Schedule	Verification
<p><b>Geology and Soils</b> GEO-5 Based upon the geotechnical investigation (Appendix 4a of this document), all of the recommended design and construction measures identified in Appendix 4a (listed on Pages 4-7) shall be implemented by the District. Implementation of these specific measures will address all of the identified geotechnical constraints identified at project site, including soil stability on future project-related structures.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the findings shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the recommended design parameters and construction measures have been adhered to as required in this measure. Field notes documenting verification shall be retained in the project file.</p>
<b>Source</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
Initial Study	WVWD	

Mitigation Measure	Implementation Schedule	Verification
<p><b>Geology and Soils</b> GEO-5 Should any paleontological resources be accidentally encountered during construction of these facilities, earthmoving or grading activities in the immediate area of the finds shall be halted and an onsite inspection should be performed immediately by a qualified paleontologist. Responsibility for making this determination shall be with WVWD's onsite inspector. The paleontological professional shall assess the find, determine its significance, and determine appropriate mitigation measures within the guidelines of the California Environmental Quality Act that shall be implemented to minimize any impacts to a paleontological resource.</p>	<p>Any response to exposed resources shall occur during construction. Any reports documenting management and findings for accidentally exposed resources shall be completed within one year of the discovery.</p>	<p>The District shall be notified within 24-hours of accidental exposure of any paleontological resources. A copy of initial findings shall be provided to the District and retained in the project file. A copy of the final report shall be retained in the project file.</p>
<b>Source</b>	<b>Responsible Party</b>	<b>Status / Date / Initials</b>
Initial Study	WVWD	

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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Hazards and Hazardous Materials</b> HAZ-1 All spills or leakage of petroleum products during construction activities will be remediated in compliance with applicable state and local regulations regarding cleanup and disposal of the contaminant released. The contaminated waste will be collected and disposed of at an appropriately licensed disposal or treatment facility.</p>	<p>This measure shall be identified in the project Stormwater Pollution Prevention Plan (SWPPP) and implemented during construction.</p>	<p>A copy of the SWPPP shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the SWPPP BMPs have been implemented as required in this measure. Field notes documenting verification shall be retained in the project file.</p>						
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Hydrology and Water Quality</b> HYD-1 The District shall require that the construction contractor to implement specific Best Management Practices (BMPs) that will prevent all construction pollutants from contacting stormwater and with the intent of keeping all products of erosion from moving offsite into receiving waters. These practices shall include a Plan that identifies the methods of containing, cleanup, transport and proper disposal of hazardous chemicals or materials released during construction activities that are compatible with applicable laws and regulations. BMPs to be implemented by the District include the following:</p> <ul style="list-style-type: none"> <li>• The use of silt fences or coir rolls;</li> <li>• The use of temporary stormwater desilting or retention basins;</li> <li>• The use of water bars to reduce the velocity of stormwater runoff;</li> <li>• The use of wheel washers on construction equipment leaving the site;</li> <li>• The washing of silt from public roads at the access point to the site to prevent the tracking of silt and other pollutants from the site onto public roads;</li> <li>• The storage of excavated material shall be kept to the minimum necessary to efficiently perform the construction activities required. Excavated or stockpiled material shall not be stored in water courses or other areas subject to the flow of surface water; and</li> <li>• Where feasible, stockpiled material shall be covered with waterproof material during rain events to control erosion of soil from the stockpiles.</li> </ul>	<p>The BMPs that shall be implemented by this measure shall be implemented during construction and shall be included in the construction contract as a contract specification.</p>	<p>A copy of the construction contract and, if required, the grading permit shall be retained in the project file. Verification of implementation shall be based on field inspections by the District. Field notes from inspections shall be retained in the project file.</p>						
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Noise</b> NOI-1 All construction vehicles and fixed or mobile equipment shall be equipped with operating and maintained mufflers.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Source</th> <th style="background-color: #cccccc;">Responsible Party</th> <th style="background-color: #cccccc;">Status / Date / Initials</th> </tr> </thead> <tbody> <tr> <td>Initial Study</td> <td>WVWD</td> <td></td> </tr> </tbody> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
Source	Responsible Party	Status / Date / Initials						
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Noise</b> NOI-2 All employees that will be exposed to noise levels greater than 75 dB over an 8-hour period shall be provided adequate hearing protection devices to ensure no hearing damage will result from construction activities.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Source</th> <th style="background-color: #cccccc;">Responsible Party</th> <th style="background-color: #cccccc;">Status / Date / Initials</th> </tr> </thead> <tbody> <tr> <td>Initial Study</td> <td>WVWD</td> <td></td> </tr> </tbody> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
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<p><b>Noise</b> NOI-3 No construction activities shall occur during the hours of 6 PM through 7 AM, Monday through Friday, or 5 PM through 8 AM on Saturdays for temporary construction noise sources or 5 PM through 9 AM for mobile noise sources during construction and at no time shall construction activities occur on Sundays or holidays, except in case of urgent necessity in the interest of public health and safety, and then only with a permit from the building inspector.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">Source</th> <th style="background-color: #cccccc;">Responsible Party</th> <th style="background-color: #cccccc;">Status / Date / Initials</th> </tr> </thead> <tbody> <tr> <td>Initial Study</td> <td>WVWD</td> <td></td> </tr> </tbody> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Noise</b> NOI-4 Equipment not in use for five minutes shall be shut off.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1"> <tr> <th style="text-align: center;">Source</th> <th style="text-align: center;">Responsible Party</th> <th style="text-align: center;">Status / Date / Initials</th> </tr> <tr> <td style="text-align: center;">Initial Study</td> <td style="text-align: center;">WVWD</td> <td></td> </tr> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Noise</b> NOI-5 Equipment shall be maintained and operated such that loads are secured from rattling or banging.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1"> <tr> <th style="text-align: center;">Source</th> <th style="text-align: center;">Responsible Party</th> <th style="text-align: center;">Status / Date / Initials</th> </tr> <tr> <td style="text-align: center;">Initial Study</td> <td style="text-align: center;">WVWD</td> <td></td> </tr> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Noise</b> NOI-6 Construction employees shall be trained in the proper operation and use of equipment consistent with these mitigation measures, including no unnecessary revving of equipment.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1"> <tr> <th style="text-align: center;">Source</th> <th style="text-align: center;">Responsible Party</th> <th style="text-align: center;">Status / Date / Initials</th> </tr> <tr> <td style="text-align: center;">Initial Study</td> <td style="text-align: center;">WVWD</td> <td></td> </tr> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
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<p><b>Noise</b> NOI-7 WVWD will require that all construction equipment be operated with mandated noise control equipment (mufflers or silencers). Enforcement will be accomplished by random field inspections by WVWD.</p>	<p>This measure shall be implemented during construction and included in the contract with the construction contractor.</p> <table border="1"> <tr> <th style="text-align: center;">Source</th> <th style="text-align: center;">Responsible Party</th> <th style="text-align: center;">Status / Date / Initials</th> </tr> <tr> <td style="text-align: center;">Initial Study</td> <td style="text-align: center;">WVWD</td> <td></td> </tr> </table>	Source	Responsible Party	Status / Date / Initials	Initial Study	WVWD		<p>District personnel shall verify that construction activities comply with this requirement. The verification shall be retained in the project file.</p>
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Mitigation Measure	Implementation Schedule	Verification						
<p><b>Transportation / Traffic</b></p> <p>TRAN-1 WVVWD shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:</p> <ul style="list-style-type: none"> <li>• Develop circulation and detour plans, if necessary, to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible.</li> <li>• To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours.</li> <li>• Install traffic control devices as specified in Caltrans' Manual of Traffic Controls for Construction and Maintenance Work Zones where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones.</li> <li>• For roadways requiring lane closures that would result in a single open lane, maintain alternate one-way traffic flow and utilize flagger-controls.</li> <li>• Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.</li> </ul>	<p>The Construction Traffic Management Plan shall be compiled and approved prior to the initiation of construction.</p>	<p>A copy of the Plan shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel that verify the construction traffic management plan is being implemented by the contractor as required in this measure. Field notes documenting verification shall be retained in the project file.</p>						
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<p><b>Transportation / Traffic</b></p> <p>TRAN-2 WVVWD shall require that all disturbances to public roadways be repaired in a manner that complies with the Standard Specifications for Public Works Construction (green book) or other applicable County of San Bernardino or City of Fontana standard design requirements.</p>	<p>This measure shall be implemented during construction.</p>	<p>Verification of implementation shall be based on field inspections by District inspection personnel that verify adequate traffic management resources are being used by the contractor as required in this measure. Field notes documenting verification shall be retained in the project file.</p>						
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Mitigation Measure	Implementation Schedule	Verification
<p><b>Tribal Cultural Resources</b> TCR-1 Tribal Monitoring</p> <p>Due to the heightened cultural sensitivity of the proposed project area, Tribal monitors representing the San Manuel Band of Mission Indians shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work), though the District shall not be obligated to fund the Tribe's monitoring activities. A sufficient number of Tribal monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist, as detailed within CUL-1, and submitted to the District for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and agree to the plan, it shall be adopted by the District – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.</p>	<p>This measure shall be during construction, and any ongoing monitoring shall occur during the corresponding period of construction. The Monitoring and Treatment Plan shall be approved prior to construction. Where required, monitoring and any other measures recommended shall be included as part of the construction contract, and shall be carried out during construction.</p>	<p>A copy of the correspondence between the tribe and the District shall be retained in the project file. Monitoring activities shall be included as a specific measure in the construction contract, which shall be retained in the project file. Field notes generated by the monitor shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel verifying that the requirements in this measure have been completed during construction. Field notes from inspections shall be retained in the project file.</p>
<p><b>Tribal Cultural Resources</b> TCR-2 Treatment of Cultural Resources</p> <p>If a pre-contact cultural resource is discovered during archaeological presence/absence testing, the discovery shall be properly recorded and then reburred in situ. A research design shall be developed by the archaeologist that shall include a plan to evaluate the resource for significance under CEQA criteria. Representatives from the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI), the archaeologist/applicant, and the Lead Agency shall confer regarding the research design, as well as any testing efforts needed to delineate the resource boundary. Following the completion of evaluation efforts, all parties shall confer regarding the archaeological significance of the resource, its potential as a Tribal</p>	<p>This measure shall be implemented during construction and shall be incorporated as a specific measure into the construction contract.</p>	<p>A copy of the correspondence between the tribe and the District shall be retained in the project file. Monitoring activities shall be included as a specific measure in the construction contract, which shall be retained in the project file. Field notes generated by the monitor shall be retained in the project file. Verification of implementation shall be based on field inspections by the District inspection personnel. Field notes from inspections shall be retained in the project file.</p>
<b>Mitigation Measure</b>	<b>Implementation Schedule</b>	<b>Verification</b>

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Mitigation Measure	Implementation Schedule	Verification
<p>Cultural Resource (TCR), avoidance (or other appropriate treatment) of the discovered resource, and the potential need for construction monitoring during project implementation. Should any significant resource and/or TCR not be a candidate for avoidance or preservation in place, and the removal of the resource(s) is necessary to mitigate impacts, the research design shall include a comprehensive discussion of sampling strategies, resource processing, analysis, and reporting protocols/obligations. Removal of any cultural resource(s) shall be conducted with the presence of a Tribal monitor representing the Tribe, unless otherwise decided by SMBMI. All plans for analysis shall be reviewed and approved by the applicant and SMBMI prior to implementation, and all removed material shall be temporarily curated on-site. It is the preference of SMBMI that removed cultural material be reburied as close to the original find location as possible. However, should reburial within/near the original find location during project implementation not be feasible, then a reburial location for future reburial shall be decided upon by SMBMI and the District, and all finds shall be reburied within this location. Additionally, in this case, reburial shall not occur until all ground-disturbing activities associated with the project have been completed, all monitoring has ceased, all cataloguing and basic recordation of cultural resources have been completed, and a final monitoring report has been issued to the District, CHRIS, and SMBMI. All reburials are subject to a reburial agreement that shall be developed between the District and SMBMI outlining the determined reburial process/location, and shall include measures and provisions to protect the reburial area from any future impacts (vis a vis project plans, conservation/preservation easements, etc.).</p> <p>Should it occur that avoidance, preservation in place, and on-site reburial are not an option for treatment, the landowner shall relinquish all ownership and rights to this material and confer with SMBMI to identify an American Association of Museums (AAM)-accredited facility within the County that can accession the materials into their permanent collections and provide for the proper care of these objects in accordance with the 1993 CA Curation Guidelines. A curation agreement with an appropriate qualified repository shall be developed between the District and museum that legally and physically transfers the collections and associated records to the facility. This agreement shall stipulate the payment of fees necessary for permanent curation of the collections and associated records and the obligation of the Project developer/applicant to pay for those fees.</p>		

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<p>All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the archaeologist and submitted to the District and SMBMI for their review and comment. After approval from all parties, the final reports and site/isolate records are to be submitted to the local CHRIS Information Center, the District, and SMBMI.</p>								
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<p><b>Tribal Cultural Resources</b></p> <p>TCR-3 Inadvertent Discoveries of Human Remains/Funerary Objects</p> <p>In the event that any human remains are discovered within the project area, ground disturbing activities shall be suspended 100 feet around the resource(s) and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. The on-site lead/foreman shall then immediately who shall notify SMBMI, the applicant/developer, and the Lead Agency. The District and the applicant/developer shall then immediately contact the County Coroner regarding the discovery. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c). The NAHC-Identified Most Likely Descendant (MLD), shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and funerary objects shall be treated and disposed of with appropriate dignity. The MLD and the District agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes. The MLD shall complete its inspection and make recommendations within forty-eight (48) hours of the site visit, as required by California Public Resources Code § 5097.98.</p> <p>Reburial of human remains and/or funerary objects (those artifacts associated with any human remains or funerary rites) shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The MLD in consultation with the landowner, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains and funerary objects. All parties are aware that the MLD may wish to rebury the</p>	<p>This measure shall be implemented during construction and shall be incorporated as a specific measure into the construction contract.</p>	<p>A copy of the correspondence between the tribe and the District shall be retained in the project file. Any inadvertent discoveries shall be noted in the project file and notification shall be provided to the District and the Tribe immediately. Verification of implementation shall be based on field inspections by District inspection personnel verifying that the requirements in this measure have been completed during construction. Field notes from inspections shall be retained in the project file.</p>

**WEST VALLEY WATER DISTRICT  
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Mitigation Measure	Implementation Schedule	Verification
<p>human remains and associated funerary objects on or near the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The District should accommodate on-site reburial in a location mutually agreed upon by the Parties.</p> <p>It is understood by all Parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and the District, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (f).</p>		
<p><b>Source</b></p> <p>Initial Study</p>	<p><b>Responsible Party</b></p> <p>WVWD</p>	<p><b>Status / Date / Initials</b></p>

Mitigation Measure	Implementation Schedule	Verification
<p><b>Utilities and Service Systems</b></p> <p><b>UTL-1</b> The contract with demolition and construction contractors shall include the requirement that all materials that can be recycled shall be salvaged and recycled. This includes, but is not limited to, wood, metals, concrete, road base, and asphalt. The contractor shall submit a recycling plan to WVWD for review and approval prior to the start of demolition/construction activities to accomplish this objective.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>A copy of the construction contract including this mitigation measure shall be retained in the project file. Verification of implementation shall be based on field inspections by District inspection personnel verifying that the requirements in this measure have been completed during construction. Documentation of recycling shall be completed by the contractor and retained in the project file.</p>
<p><b>Source</b></p> <p>Initial Study</p>	<p><b>Responsible Party</b></p> <p>WVWD</p>	<p><b>Status / Date / Initials</b></p>

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<p><b>Wildfire</b> WF-1</p> <p>During site clearing within the project site when any electrical construction equipment is in use, the construction crew shall have fire prevention equipment (such as fire extinguishers, emergency sand bags, etc.) to put out any accidental fires that could result from the use of construction/maintenance equipment.</p>	<p>This measure shall be included in the construction contract as a contract specification and implemented by the contractor during construction.</p>	<p>Verification of implementation shall be based on field inspections by District inspection personnel that verify adequate wildfire management practices are being employed by the contractor as required in this measure. Field notes documenting verification shall be retained in the project file.</p>	
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Initial Study	WVWD		

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**DRAFT INITIAL STUDY  
(w/ APPENDICES)**

**INITIAL STUDY**

**FOR THE**

**WEST VALLEY WATER DISTRICT**

**18-INCH TRANSMISSION MAIN INSTALLATION**

**PROJECT**

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Prepared for:

**West Valley Water District**  
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**August 2022**

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**LIST OF ABBREVIATIONS AND ACROYNMS**

AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ACOE	Army Corps of Engineers
APE	Area of Potential Effect
APN	Assessor's Parcel Number
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
BACMs	Best Available Control Measures
BMPs	Best Management Practices
BRA/JD	Biological Resources Assessment/Jurisdictional Delineation
BUOW	Burrowing Owl
CAA	Clean Air Act
CAAA	Clean Air Act Amendment
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CAL FIRE	California Department of Forestry and Fire Protection
CALGreen	California Green Building Standards Code
CARB	California Air Resources Board
CBC	California Building Code
CCAR	California Climate Action Registry
CDFW	California Department of Fish and Wildlife (formerly CDFG)
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
CIP	Capital Improvement Project
CNEL	Community Noise Equivalent Level
CWA	Clean Water Act
dB	decibel
dba	A-weighted decibel
DOI	Department of Interior
DWR	Department of Water Resources
EO	Executive Orders
FEMA	Federal Emergency Management Agency
FGC	Fish & Game Code
FTA	Federal Transit Association
GCC	Global Climate Change
GHG	Greenhouse Gas
GSA	Groundwater Sustainability Agencies
GSP	Groundwater Sustainability Plans
LRA	Local Responsibility Area
LSA	Lake or Streambed Alteration
LST	Localized Significance Thresholds
LUST	Leaking Underground Storage Tank
MBTA	Migratory Bird Treaty Act

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MCL	maximum contamination level
MLD	Most Likely Descendant
MM	Mitigation Measure
NAAQS	National Ambient Air Quality Standards
NBP	Nesting Bird Plan
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
OS	Open Space
R-E	Residential Estates
R-MF	Multi-Family Residential
RMU	Regional Mixed Use
ROW	Rights-of-Way
R-PC	Residential Planned Community
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
SBFD	San Bernardino County Fire Department
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SGMA	Sustainable Groundwater Management Act
SIP	State Implementation Plan
SMBMI	San Manuel Band of Mission Indians
SRA	State Responsibility Area
SSC	Species of Special Concern
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCR	Tribal Cultural Resources
USACE	U.S. Army Corps of Engineers
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VdB	vibration-velocity decibel
VLDR	Very Low Density Residential
VMFHSZ	Very High Fire Hazard Severity Zone
VMT	vehicle miles traveled
WOTUS	Waters of the United States
WQMP	Water Quality Management Plan
WVWD	West Valley Water District

**ENVIRONMENTAL CHECKLIST**

1. Project Title: 18-inch Transmission Main Installation Project
2. Lead Agency Name: West Valley Water District  
Address: 855 W. Baseline Road, Rialto, CA 92376
3. Contact Person: Rosa M. Gutierrez, Senior Engineer  
Phone Number: (909) 644-0592
4. Project Location: The West Valley Water District (WVWD or District) service area is located in southern California within southwestern San Bernardino County with a small part in northern Riverside County. The District's service area is shown on Figure 1. The project will occur within the northern portion of the District within an easement between Lytle Creek Road to the north and Citrus Avenue to the south traversing under the Interstate-15 (I-15) Freeway within Unincorporated San Bernardino County and the City of Fontana. The project is located within the USGS Topo 7.5-minute map for Devore, CA, and is located in Section 18, Township 1 North and Range 5 West. The approximate GPS coordinates of the project area are 34.171502°, -117.453627°. Refer to Figures 2 and 3 for the regional and site location maps.
5. Project Sponsor Name: West Valley Water District  
Address: 855 W. Baseline Road, Rialto, CA 92376
6. General Plan Designation: County of San Bernardino Designation: Very Low Density Residential (VLDR)  
City of Fontana Designation: (RMU) Regional Mixed Use and Residential-Estates (R-E)
7. Zoning: County of San Bernardino Classification: Single Residential-1 acre minimum (RS-1)  
City of Fontana Classification: Regional Mixed Use (R-MU) and Residential-Estates (R-E)

## 8. Project Description:

WVWD serves potable water to customers in the Cities of Rialto, Fontana, Colton, Jurupa Valley ("Riverside County") and unincorporated areas of San Bernardino County, serving over 80,000 residents within these jurisdictions. The District obtains water from both local and imported sources to serve its customers, including about 68% from Groundwater, 18% from surface water diversions from Lytle Creek, and 14% from the State Water Project. The service area consists of eight (8) pressure zones: Zone 2, 3, 3A, 4, 5, 6, 7 and 8, and is divided into Northern and Southern systems by the central portion of the City of Rialto.

Pressure Zone 7 is north of Pressure Zone 6 in WVWD's North System. Storage is provided by Reservoirs (R7-1, R7-2, R7-3, and R7-4) located on Lytle Creek Road. There is currently no

source of supply within Pressure Zone 7, as water is boosted from the Lower Pressure Zones (4, 5, and 6) to serve that area. As such, the District is proposing a new 650 LF 18-inch transmission main to facilitate supply to accommodate the increase in development that is projected to occur in Pressure Zone 7.

WVWD proposes to install approximately 650 linear feet (LF) of 18-inch transmission main within Pressure Zone 7. The proposed transmission main will connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario I-15 freeway and terminate at Citrus Avenue in an unimproved area. Approximately 250 linear feet of 18-inch diameter pipe will be trenched in the unimproved area. The proposed pits for the jack and bore will be approximately 40 feet in length and 20 feet in width and will be located outside the Caltrans right-of-way. The pipeline that will traverse under the I-15 includes trenchless installation of approximately 325 LF of 18-inch diameter carrier pipe in a 30-inch diameter casing under the I-15 Freeway to connect to segments at either side of the freeway. The segments of pipeline will be installed mostly within undisturbed areas between Lytle Creek Road and Citrus Avenue (refer to Figure 4, site plan).

Construction Scenario:

Trenching:

It is assumed that an underground utility installation team can install approximately 200 LF of water pipeline per day. A team consists of the following:

- 200 feet of pipeline installed per day
- 1 Excavator
- 1 Backhoe
- 1 Paver
- 1 Roller
- 1 Water truck
- Traffic Control Signage and Devices
- 10 Dump/delivery trucks (80 miles maximum round trip distance)
- Employees (11 members per team)

The emissions calculations are based upon the above assumptions for each pipeline installation team. For air emission calculations it is further assumed that 1 team will be installing pipelines for a maximum total of 200 LF per day. It is assumed that installation of about 650 LF of water pipeline will occur over a period of no more than one month, though the anticipated number of construction days is about 15 working days.

Ground disturbance emissions assume roughly 0.1 acre of land would be actively excavated on a given day. The pipeline trenching depth would range between 6.54 ft and 13.41 ft. It is anticipated that installation of pipeline in developed locations will require the use of a backhoe, crane, compactor, roller/vibrator, pavement cutter, grinder, haul truck and two dump trucks operating 6 hours per day; a water truck and excavator operating 4 hours per day and a paving machine and compactor operating 2 hours per day. Installation of pipeline in undeveloped locations would require the same equipment without the paving equipment (cutter, grinder, paving machine). The Contractor may occasionally use a portable generator and welder for equipment repairs or incidental uses.

Jack/Bore across Caltrans I-15:

- 4-6 working days for preparation of pit digging, sheeting and shoring, setting of bore equipment.
- 5-7 working days of jack/bore operation
- 4-5 working days for pipe installation pipe in casing
- 2-3 working days for pits backfill, compaction and site restoration.

Total of 15-21 working day can be expected. The actual schedule is dictated by the Contractor and its boring sub.

9. Surrounding land uses and setting: (Briefly describe the project's surroundings)

The proposed project encompasses less than one acre within the City of Fontana and County of San Bernardino. The project is surrounded by mostly undeveloped land:

- The uses to the north of the project area includes undeveloped land and the foothills of the San Gabriel Mountains. The land use to the north is: VLDR.
- The uses to the east of the project area includes undeveloped land, the I-15 Freeway, and a few single-family residences to the northeast. The land uses to the east are: the City of Fontana Designations are R-E and RMU; the County of San Bernardino Designation is VLDR.
- The use to the south of the project area includes vacant land. The land uses to the south are: the City of Fontana Designation is RMU.
- The use to the west of the project area includes vacant land. The land uses to the west are: the City of Fontana Designations are Open Space (OS), Residential Planned Community (R-PC), Multi-Family Residential (R-MF).

10. Other agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

- The California Department of Fish and Wildlife (CDFW) may need to be consulted regarding threatened and endangered species documented to occur within an area of potential impact for future individual projects. This could include consultations under the Fish and Wildlife Coordination Act.
- Encroachment or other permits may be required from the Caltrans and/or other entities that have not yet been identified, such as, Southern California Edison, The Gas Company, etc.

11. Have California Native American tribes traditionally and cultural affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?

Native American tribe consultation letters were sent to the following tribes on July 9, 2021: Torres Martinez Desert Cahuilla Indians, San Manuel Band of Mission Indians, Morongo Band of Mission Indians, Gabrieleño Band of Mission Indians – Kizh Nation. The San Manuel Band of Mission Indians responded with a request for the Project Plans, Geotechnical Report, and the Cultural Report. The Project Plans and Geotechnical Report were sent to the tribe on July 20, 2021, while the Cultural Report was sent on November 4, 2021. Additionally, the Gabrieleño Band of Mission Indians – Kizh Nation has also requested consultation under AB 52 in an email dated July 22, 2021. As of November 5, 2021, no specific requests have been made by the Gabrieleño Band of

Mission Indians, though the District has reached out via email to ascertain their interest in the project area several times between July 22, 2021 and November 10, 2021. The Gabrieleño Band of Mission Indians responded on May 13, 2022 that the Tribe has been very busy and was trying to respond back to everyone as soon as they can. As of June 22, 2022, the Tribe has not provided any subsequent responses or feedback regarding consultation. AB 52 stipulates that consultation is concluded when either of the following occurs:

- The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists to a tribal cultural resource; or
- A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code § 21080.3.2, subd. (b)).

Given that the District has not received feedback from the Tribe after multiple attempts to ascertain what mitigations would be amenable to the tribe to protect tribal cultural resources within the project site, the District has determined that consultation shall be considered concluded with no further input from the Tribe during the initial public review process. The District will provide the Gabrieleño Band of Mission Indians – Kizh Nation an opportunity to provide additional input through the public review process.

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21083.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Aesthetics                             | <input type="checkbox"/> Agriculture and Forestry Resources | <input checked="" type="checkbox"/> Air Quality                        |
| <input checked="" type="checkbox"/> Biological Resources        | <input checked="" type="checkbox"/> Cultural Resources      | <input checked="" type="checkbox"/> Energy                             |
| <input checked="" type="checkbox"/> Geology / Soils             | <input type="checkbox"/> Greenhouse Gas Emissions           | <input checked="" type="checkbox"/> Hazards & Hazardous Materials      |
| <input checked="" type="checkbox"/> Hydrology & Water Quality   | <input type="checkbox"/> Land Use / Planning                | <input type="checkbox"/> Mineral Resources                             |
| <input checked="" type="checkbox"/> Noise                       | <input type="checkbox"/> Population / Housing               | <input type="checkbox"/> Public Services                               |
| <input type="checkbox"/> Recreation                             | <input checked="" type="checkbox"/> Transportation          | <input checked="" type="checkbox"/> Tribal Cultural Resources          |
| <input checked="" type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Wildfire                           | <input checked="" type="checkbox"/> Mandatory Findings of Significance |



**DETERMINATION** (To be completed by the Lead Agency)

On the basis of this initial evaluation, the following finding is made:

<input type="checkbox"/>	The proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
<input checked="" type="checkbox"/>	Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
<input type="checkbox"/>	The proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
<input type="checkbox"/>	The proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
<input type="checkbox"/>	Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Tom Dodson & Associates  
 Prepared by   
 Lead Agency (signature)

July 14, 2022  
 Date  
 7/27/22  
 Date

## EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - a) Earlier Analysis Used. Identify and state where they are available for review.
  - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
  - a) the significance criteria or threshold, if any, used to evaluate each question; and
  - b) the mitigation measure identified, if any, to reduce the impact to less than significance.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>I. AESTHETICS:</b> Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning or other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant Impact* – The proposed project would install approximately 650 LF of water pipeline to facilitate supply to accommodate the increase in development that is projected to occur in WVWD Pressure Zone 7 within the City of Fontana and San Bernardino County within WVWD's existing service area. The construction of the transmission main alignment would require temporary ground-disturbance between two points within WVWD's system on undeveloped, undisturbed land from Lytle Creek Road to the north and Citrus Avenue to the south, including boring under the I-15 freeway. The dominant landscape within the project area is that of a relatively undeveloped area directly adjacent to both the I-15 Freeway; additionally, the project footprint is located at the foothills of the San Gabriel Mountains, which provide valuable background viewsheds.

The presence of construction equipment and related construction materials would be visible from public vantage points, such as open space areas, sidewalks, and streets, but it would not adversely affect any scenic views or vistas. Construction of the pipelines would not permanently affect views or scenic vistas. Thus, construction impacts to any scenic vistas would be less than significant. The entirety of the proposed project will be constructed below or at ground level. Once constructed, the area of disturbance—which mostly consists of vacant land currently covered with weeds and non-native vegetation—will be returned recompact to the existing ground surface level, while the portion of the alignment that traverses across the I-15 will utilize jack and bore methods, thus resulting in very little ground disturbance. Given that the project would not degrade views to nearby scenic vistas and that the visual effects of pipeline installation and repaved sections of roadway would not substantially alter the views in the project footprint in the long-term, implementation of the proposed 18-inch Transmission Main Installation Project is not expected to cause any substantial adverse effects on any important scenic vistas. No impacts are anticipated and no mitigation is required.

- b. *Less Than Significant Impact* – The proposed project would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway. The proposed project would install a transmission main between Lytle Creek Road and Citrus Avenue, mostly within vacant, undisturbed land. Neither of these roadways are considered by the State to be scenic highways. Furthermore, the proposed project would cross below the I-15, and this freeway is not designated as a State scenic highway. The County's recently adopted General

Plan—the “Countywide Plan”<sup>1</sup>—identifies several county scenic routes as shown on Figure I-1, but none are in close proximity to the proposed project. No historic buildings are located within the area proposed to be disturbed as part of the proposed project. No rock outcroppings would be impacted by the proposed project. As stated under issue I(a), above, the proposed project consists of native vegetation and weeds, with no trees on site that would fall under the County of San Bernardino or City of Fontana tree ordinance. No other scenic resources have been identified on the site. Therefore, the project would have a less than significant potential to substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway.

- c. *No Impact* – The proposed project would install approximately 650 LF of water pipeline to facilitate supply to accommodate the increase in development that is projected to occur in WVWD Pressure Zone 7 within the City of Fontana and San Bernardino County within WVWD’s existing service area. The proposed transmission main would be placed underground or at ground level and would not be visible once construction is complete. As the transmission main will be located belowground, and the areas within which the transmission main is installed will be recompacted as each segment of the transmission main is completed, construction and operation of the proposed transmission main will have no potential to conflict with applicable zoning or other regulations governing scenic quality. No impacts are anticipated to occur under this issue and no mitigation is required.
- d. *No Impact* – There will be no new lighting associated with the proposed project. The transmission main will be constructed underground, mostly within existing roadways. No reflective materials or coatings are associated with this project. The construction activities are generally limited to daylight hours unless an emergency occurs. Further, the amount of security lighting needed during construction will be minimal. Therefore, with no permanent aboveground features, it is not anticipated that the site would create any new permanent sources of light or glare. No significant impact associated with lighting or glare can be identified and no mitigation is required.

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<sup>1</sup> <http://countywideplan.com/theplan/>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<p><b>II. AGRICULTURE AND FORESTRY RESOURCES:</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</p>				
a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

- a. *No Impact* – The 18-Inch Transmission Main Installation Project is located in an area that does not support agricultural uses. Neither the project site nor the adjacent and surrounding properties are designated for agricultural use; no agricultural activities exist in the project area; and there is no potential for impact to any agricultural uses or values as a result of project implementation. According to the San Bernardino Countywide Plan Agricultural Resources Map (Figure II-1), the proposed project has not been designated for agricultural use; no prime farmland, unique farmland, or farmland of statewide importance exists within the vicinity of the proposed project. No adverse impact to any agricultural resources would occur from implementing the proposed project. No mitigation is required.
- b. *No Impact* – There are no agricultural uses currently within the project footprint or on adjacent properties. The proposed transmission main traverses through the following land use designations: the County of San Bernardino Designation is Very Low Density Residential (VLDR) and the City of

Fontana Designations are (R-MU) Regional Mixed Use and Residential-Estates (R-E). The proposed transmission main traverses through the following zoning classifications the County of San Bernardino zoning classification is Single Residential-1 acre minimum (RS-1) and the City of Fontana zoning classifications are Regional Mixed Use (R-MU) and Residential-Estates (R-E). No potential exists for a conflict between the proposed project and agricultural zoning or Williamson Act contracts within the project area. No mitigation is required.

- c. *No Impact* – Please refer to issues II(a) and II(b) above. The project site is in a relatively urbanized area located adjacent to the I-15. The proposed transmission main traverses through the following land use designations: the County of San Bernardino Designation is VLDR and the City of Fontana Designations are R-MU and R-E. The proposed transmission main traverses through the following zoning classifications the County of San Bernardino zoning classification is RS-1 and the City of Fontana zoning classifications are R-MU and R-E. Neither the land use designations nor zoning classifications supports forest land or timberland uses or designations. No potential exists for a conflict between the proposed project and forest/timberland zoning. No mitigation is required.
- d. *No Impact* – There are no forest lands within the project area, which is because the project area is urbanized and removed from nearby mountains, where much of the County's forestland is located. No potential for loss of forest land would occur if the project is implemented. No mitigation is required.
- e. *No Impact* – Because the project footprint and surrounding area do not support either agricultural or forestry uses and, furthermore, because the project footprint and environs are not designated for such uses, implementation of the proposed project would not cause or result in the conversion of farmland or forest land to alternative use. No adverse impact would occur. No mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>III. AIR QUALITY:</b> Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**SUBSTANTIATION:** The following information utilized in this section of the Initial Study was obtained from the following technical study: *Air Quality and GHG Impact Analyses, West Valley Water District, Transmission Main Project, San Bernardino, California* prepared by Giroux & Associates dated July 12, 2021. This technical study is provided as Appendix 1 to this document.

#### Background

##### *Climate*

The climate of the eastern San Bernardino Valley, as with all of Southern California, is governed largely by the strength and location of the semi-permanent high-pressure center over the Pacific Ocean and the moderating effects of the nearby vast oceanic heat reservoir. Local climatic conditions are characterized by very warm summers, mild winters, infrequent rainfall, moderate daytime on-shore breezes, and comfortable humidity levels. Unfortunately, the same climatic conditions that create such a desirable living climate combine to severely restrict the ability of the local atmosphere to disperse the large volumes of air pollution generated by the population and industry attracted in part by the climate.

The project will be situated in an area where the pollutants generated in coastal portions of the Los Angeles basin undergo photochemical reactions and then move inland across the project site during the daily sea breeze cycle. The resulting smog at times gives San Bernardino County some of the worst air quality in all of California. Fortunately, significant air quality improvement in the last decade suggests that healthful air quality may someday be attained despite the limited regional meteorological dispersion potential.

##### *Air Quality Standards*

Existing air quality is measured at established South Coast Air Quality Management District (SCAQMD) air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table III-1. Because the State of California had established Ambient Air Quality Standards (AAQS) several years before the federal action and because of unique air quality problems introduced by the restrictive dispersion meteorology, there is considerable difference between state and national clean air standards. Those standards currently in effect in California are shown in Table III-1. Sources and health effects of various pollutants are shown in Table III-2.



**Table III-1  
AMBIENT AIR QUALITY STANDARDS**

Pollutant	Average Time	California Standards <sup>1</sup>		National Standards <sup>2</sup>		
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>
<b>Ozone (O3)<sup>8</sup></b>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )		
<b>Respirable Particulate Matter (PM10)<sup>9</sup></b>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		–		
<b>Fine Particulate Matter (PM2.5)<sup>9</sup></b>	24 Hour	–	–	35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12.0 µg/m <sup>3</sup>	15.0 µg/m <sup>3</sup>	
<b>Carbon Monoxide (CO)</b>	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m <sup>3</sup> )	–	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9 ppm (10 mg/m <sup>3</sup> )		9 ppm (10 mg/m <sup>3</sup> )	–	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		–	–	
<b>Nitrogen Dioxide (NO2)<sup>10</sup></b>	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Gas Phase Chemiluminescence	100 ppb (188 µg/m <sup>3</sup> )	–	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )		0.053 ppm (100 µg/m <sup>3</sup> )	Same as Primary Standard	
<b>Sulfur Dioxide (SO2)<sup>11</sup></b>	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	75 ppb (196 µg/m <sup>3</sup> )	–	Ultraviolet Flourescence; Spectrophotometry (Paraosaniline Method)
	3 Hour	–		–	0.5 ppm (1300 µg/m <sup>3</sup> )	
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (for certain areas) <sup>11</sup>	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas) <sup>11</sup>	–	
<b>Lead <sup>8,12,13</sup></b>	30-Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	–	–	–
	Calendar Quarter	–		1.5 µg/m <sup>3</sup> (for certain areas) <sup>12</sup>	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Rolling 3-Month Avg	–		0.15 µg/m <sup>3</sup>		
<b>Visibility Reducing Particles<sup>14</sup></b>	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	<b>No Federal Standards</b>		
<b>Sulfates</b>	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography			
<b>Hydrogen Sulfide</b>	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence			
<b>Vinyl Chloride<sup>12</sup></b>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography			

## Footnotes

- 1 California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, suspended particulate matter – PM10, PM2.5, and visibility reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- 2 National standards (other than ozone, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest eight hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year, with a 24-hour average concentration above 150  $\mu\text{g}/\text{m}^3$ , is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over 3 years, are equal to or less than the standard. Contact U.S. EPA for further clarification and current federal policies.
- 3 Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- 4 Any equivalent procedure which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
- 5 National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- 6 National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- 7 Reference method as described by the EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the EPA.
- 8 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- 9 On December 14, 2012, the national PM2.5 primary standard was lowered from 15  $\mu\text{g}/\text{m}^3$  to 12.0  $\mu\text{g}/\text{m}^3$ . The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35  $\mu\text{g}/\text{m}^3$ , as was the annual secondary standard of 15  $\mu\text{g}/\text{m}^3$ . The existing 24-hour PM10 standards (primary and secondary) of 150  $\mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- 10 To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- 11 On June 2, 2010, a new 1-hour SO2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
- 12 The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- 13 The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5  $\mu\text{g}/\text{m}^3$  as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
- 14 In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

**Table III-2  
HEALTH EFFECTS OF MAJOR CRITERIA POLLUTANTS**

<b>Pollutants</b>	<b>Sources</b>	<b>Primary Effects</b>
Carbon Monoxide (CO)	<ul style="list-style-type: none"> <li>• Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust.</li> <li>• Natural events, such as decomposition of organic matter.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced tolerance for exercise.</li> <li>• Impairment of mental function.</li> <li>• Impairment of fetal development.</li> <li>• Death at high levels of exposure.</li> <li>• Aggravation of some heart diseases (angina).</li> </ul>
Nitrogen Dioxide (NO <sub>2</sub> )	<ul style="list-style-type: none"> <li>• Motor vehicle exhaust.</li> <li>• High temperature stationary combustion.</li> <li>• Atmospheric reactions.</li> </ul>	<ul style="list-style-type: none"> <li>• Aggravation of respiratory illness.</li> <li>• Reduced visibility.</li> <li>• Reduced plant growth.</li> <li>• Formation of acid rain.</li> </ul>
Ozone (O <sub>3</sub> )	<ul style="list-style-type: none"> <li>• Atmospheric reaction of organic gases with nitrogen oxides in sunlight.</li> </ul>	<ul style="list-style-type: none"> <li>• Aggravation of respiratory and cardiovascular diseases.</li> <li>• Irritation of eyes.</li> <li>• Impairment of cardiopulmonary function.</li> <li>• Plant leaf injury.</li> </ul>
Lead (Pb)	<ul style="list-style-type: none"> <li>• Contaminated soil.</li> </ul>	<ul style="list-style-type: none"> <li>• Impairment of blood function and nerve construction.</li> <li>• Behavioral and hearing problems in children.</li> </ul>
Fine Particulate Matter (PM-10)	<ul style="list-style-type: none"> <li>• Stationary combustion of solid fuels.</li> <li>• Construction activities.</li> <li>• Industrial processes.</li> <li>• Atmospheric chemical reactions.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced lung function.</li> <li>• Aggravation of the effects of gaseous pollutants.</li> <li>• Aggravation of respiratory and cardio respiratory diseases.</li> <li>• Increased cough and chest discomfort.</li> <li>• Soiling.</li> <li>• Reduced visibility.</li> </ul>
Fine Particulate Matter (PM-2.5)	<ul style="list-style-type: none"> <li>• Fuel combustion in motor vehicles, equipment, and industrial sources.</li> <li>• Residential and agricultural burning.</li> <li>• Industrial processes.</li> <li>• Also, formed from photochemical reactions of other pollutants, including NO<sub>x</sub>, sulfur oxides, and organics.</li> </ul>	<ul style="list-style-type: none"> <li>• Increases respiratory disease.</li> <li>• Lung damage.</li> <li>• Cancer and premature death.</li> <li>• Reduces visibility and results in surface soiling.</li> </ul>
Sulfur Dioxide (SO <sub>2</sub> )	<ul style="list-style-type: none"> <li>• Combustion of sulfur-containing fossil fuels.</li> <li>• Smelting of sulfur-bearing metal ores.</li> <li>• Industrial processes.</li> </ul>	<ul style="list-style-type: none"> <li>• Aggravation of respiratory diseases (asthma, emphysema).</li> <li>• Reduced lung function.</li> <li>• Irritation of eyes.</li> <li>• Reduced visibility.</li> <li>• Plant injury.</li> <li>• Deterioration of metals, textiles, leather, finishes, coatings, etc.</li> </ul>

Source: California Air Resources Board, 2002.

### Baseline Air Quality

Existing and probable future levels of air quality around the proposed project area can best be best inferred from ambient air quality measurements conducted by the SCAQMD at the Upland monitoring station. This station measures both regional pollution levels such as smog, as well as primary vehicular pollution levels near busy roadways such as carbon monoxide, PM-10, and nitrogen oxides. The Ontario monitoring station near Route 60 monitors PM-2.5. Table III-3 provides a 4-year summary of the monitoring data for the major air pollutants compiled from these air monitoring stations. From these data the following conclusions can be drawn:

1. Photochemical smog (ozone) levels frequently exceed standards. The 1-hour state standard was violated an average of 12 percent of all days in the last four years near Upland. The federal 8-hour

standard has been exceeded an average of 14 percent of all days within the same period and the state 8-hour standard has been exceeded approximately 19 percent of all days. While ozone levels are still high, they are much lower than 10 to 20 years ago. Attainment of all clean air standards in the project vicinity is not likely to occur soon, but the severity and frequency of violations is expected to continue to slowly decline during the current decade.

2. PM-10 levels have exceeded the state 24-hour standard on approximately four percent of all measurement days. The three times less stringent federal 24 hour-standard has not been exceeded once in the last four years.
3. A substantial fraction of PM-10 is comprised of ultra-small diameter particulates capable of being inhaled into deep lung tissue (PM-2.5). Both the frequency of violations of particulate standards, as well as high percentage of PM-2.5, are air quality concerns in the project area. However, PM-2.5 readings very infrequently exceed the federal 24-hour PM-2.5 ambient standard on approximately one percent of the measured days.
4. More localized pollutants such as carbon monoxide, nitrogen oxides, etc. are very low near the project site because background levels throughout western San Bernardino County never exceed allowable levels. There is substantial excess dispersive capacity to accommodate localized vehicular air pollutants such as NO<sub>x</sub> or CO without any threat of violating applicable AAQS.

Although complete attainment of every clean air standard is not yet imminent, extrapolation of the steady improvement trend suggests that such attainment could occur within the reasonably near future.

**Table III-3**  
**AIR QUALITY MONITORING SUMMARY**  
**(Days Standards were Exceeded and Maximum Observed Concentrations 2015-2018)**

Pollutant/Standard	2016	2017	2018	2019
Ozone <sup>a</sup>				
1-Hour > 0.09 ppm (S)	53	66	25	31
8-Hour > 0.07 ppm (S)	88	87	52	52
8- Hour > 0.075 ppm (F)	65	72	32	34
Max. 1-Hour Conc. (ppm)	0.156	0.150	0.133	0.131
Max. 8-Hour Conc. (ppm)	0.116	0.127	0.111	0.107
Carbon Monoxide <sup>b</sup>				
1-hour > 20. ppm (S)	0	0	0	0
8- Hour > 9. ppm (S,F)	0	0	0	0
Max 8-hour Conc. (ppm)	1.3	1.4	1.2	1.1
Nitrogen Dioxide <sup>b</sup>				
1-Hour > 0.18 ppm (S)	0	0	0	0
Max 1-hour Conc. (ppm)	0.07	0.06	0.06	0.06
Respirable Particulates (PM-10) <sup>a</sup>				
24-hour > 50 µg/m <sup>3</sup> (S)	5/363	26/320	14/322	7/306
24-hour > 150 µg/m <sup>3</sup> (F)	0/353	0/320	0/322	0/306
Max. 24-Hr. Conc. (µg/m <sup>3</sup> )	72.	106.	73.	125.
Ultra-Fine Particulates (PM-2.5) <sup>a</sup>				
24-Hour > 35 µg/m <sup>3</sup> (F)	0/55	7/359	5/357	5/364
Max. 24-Hr. Conc. (µg/m <sup>3</sup> )	28.4	44.800	47.9	41.3

(S) = state standard, (F) = federal standard

Source: South Coast AQMD

Upland Monitoring Station (5175) ,<sup>a</sup> Ontario Monitoring (near CA-60) Station for PM-2.5

Air Quality Planning

The United State Environmental Protection Agency (U.S. EPA) is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for O<sub>3</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and lead. The U.S. EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The U.S. EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of the California Air Resources Board (CARB).

The Federal Clean Air Act (CAA) was first enacted in 1955, and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance. The CAA also mandates that states submit and implement State Implementation Plans (SIPs) for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met. Substantial reductions in emissions of ROG, NO<sub>x</sub> and CO are forecast to continue throughout the next several decades. Unless new particulate control programs are implemented, PM-10 and PM-2.5 are forecast to slightly increase.

Air pollution contributes to a wide variety of adverse health effects. The U.S. EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O<sub>3</sub>, particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), NO<sub>2</sub>, and SO<sub>2</sub> which are known as criteria pollutants. The South Coast Air Quality Management District (SCAQMD) monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district. On February 21, 2019, CARB posted the 2018 amendments to the state and national area designations. See Table III-4 for attainment designations for the South Coast Air Basin (SCAB).

**Table III-4  
ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB**

Criteria Pollutant	State Designation	Federal Designation
O <sub>3</sub> – 1-hour standard	Nonattainment	--
O <sub>3</sub> – 8-hour standard	Nonattainment	Nonattainment
PM <sub>10</sub>	Nonattainment	Attainment
PM <sub>2.5</sub>	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO <sub>2</sub>	Attainment	Unclassifiable/Attainment
SO <sub>2</sub>	Unclassifiable/Attainment	Unclassifiable/Attainment
Pb <sup>2</sup>	Attainment	Unclassifiable/Attainment

The project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAB emissions forecasts are shown on Table III-5 below. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

<sup>2</sup> The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

**Table III-5  
SOUTH COAST AIR BASIN EMISSIONS FORECASTS (EMISSIONS IN TONS/DAY)**

Pollutant	2020	2025	2030
NOx	289	266	257
VOC	393	393	391
PM-10	165	170	172
PM-2.5	68	70	71

With current emissions reduction programs and adopted growth forecasts.  
Source: California Air Resources Board, 2013 Almanac of Air Quality

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of Air Quality Management Plan (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly to reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy more effectively.

In March 2017, the SCAQMD released the Final 2016 AQMP (2016 AQMP). The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels. Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS), a planning document that supports the integration of land use and transportation to help the region meet the federal Clean Air Act requirements. Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the 1993 CEQA Handbook.

The 2016 AQMP acknowledges that motor vehicle emissions have been effectively controlled and that reductions in NOx, the continuing ozone problem pollutant, may need to come from major stationary sources (power plants, refineries, landfill flares, etc.). The current attainment deadlines for all federal non-attainment pollutants are now as follows:

8-hour ozone (70 ppb)	2032
Annual PM-2.5 (12 $\mu\text{g}/\text{m}^3$ )	2025
8-hour ozone (75 ppb)	2024 (old standard)
1-hour ozone (120 ppb)	2023 (rescinded standard)

The key challenge is that NOx emission levels, as a critical ozone precursor pollutant, are forecast to continue to exceed the levels that would allow the above deadlines to be met. Unless additional stringent NOx control measures are adopted and implemented, ozone attainment goals may not be met.

#### CEQA Standards of Significance

The SCAQMD has designated significant emissions levels as surrogates for evaluating regional air quality impact significance independent of chemical transformation processes. Projects with daily emissions that exceed any of the following emission thresholds are recommended by the SCAQMD to be considered significant under CEQA guidelines.

**Table III-6  
DAILY EMISSIONS THRESHOLDS**

Pollutant	Construction	Operations
ROG	75	55
NOx	100	55
CO	550	550
PM-10	150	150
PM-2.5	55	55
SOx	150	150
Lead	3	3

Source: SCAQMD CEQA Air Quality Handbook, November, 1993 Rev.

### Impact Analysis

- a. *Less Than Significant Impact* – Projects such as the proposed installation of an 18-inch transmission main do not directly relate to the AQMP in that there are no specific air quality programs or regulations governing general infrastructure development. This makes sense since, once installed, pipelines do not generate new emissions. Conformity with adopted plans, forecasts and programs relative to population, housing, employment and land use are the primary yardsticks by which impact significance of planned growth is determined. Based on the analysis of the City and County’s General Plan Land Use sections, the proposed project is consistent with the infrastructure needs identified in adopted General Plans. Thus, the proposed project is consistent with regional planning forecasts maintained by the SCAG regional plans. The SCAQMD, however, while acknowledging that the AQMP is a growth-accommodating document, does not favor designating regional impacts as less than significant only because of consistency with regional growth projections. Air quality impact significance for the proposed project has therefore been analyzed on a project-specific basis. As the analysis of project-related emissions provided below indicates, the proposed project will not cause or be exposed to significant air pollution, and is, therefore, consistent with the applicable air quality plan.
  
- b. *Less Than Significant With Mitigation Incorporated* – Air pollution emissions associated with the proposed project would occur over both a short and long-term time period. Short-term emissions include fugitive dust from construction activities (i.e., site prep, demolition, grading) and exhaust emissions at the project site. Long-term emissions generated by future operation of the proposed transmission main are negligible as additional operation will not require a new source of energy to operate. Energy is not anticipated to be required, though the proposed operations and maintenance activities in the future include energy consumption and trips generated by the future development. It is anticipated that existing conveyance systems (lift stations and/or other appurtenances) will require greater energy to accommodate the water conveyed by the new transmission main, but this increase in energy demand would be minimal.

The proposed 650 lineal feet of 18-inch transmission main pipeline in the Lytle Creek area which will bore under the Interstate 15 freeway and terminate at Citrus Avenue, is located in an undeveloped area. The nearest residential use is more than 700 feet to the northeast.

#### *Construction Emissions*

CalEEMod was developed by the SCAQMD to provide a model by which to calculate both construction emissions and operational emissions from a variety of land use projects. It calculates both the daily maximum and annual average emissions for criteria pollutants as well as total or annual greenhouse gas (GHG) emissions. The following equipment fleet and durations were modeled as provided by the project engineer:

**Table III-7  
CONSTRUCTION ACTIVITY EQUIPMENT FLEET (650 LF TRANSMISSION MAIN)**

<b>Demo Roadway and Trench 2 weeks</b>	2 Loader/Backhoes
	1 Excavator
	1 Concrete Saw
	3 Signal Boards
<b>Install Pipe 2 weeks</b>	2 Forklifts
	1 Crane
	2 Loader/Backhoes
	3 Signal Boards
<b>Backfill and Pave 60 days</b>	1 Compactor
	1 Paver
	1 Loader/Backhoe
	1 Roller
	3 Signal Boards

Utilizing the indicated equipment fleet and durations the following worst-case daily construction emissions are calculated by CalEEMod (version CalEEMod2016.3.2):

**Table III-8  
CONSTRUCTION ACTIVITY EMISSIONS MAXIMUM DAILY EMISSIONS (POUNDS/DAY)**

<b>Maximal Construction Emissions</b>	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>PM-10</b>	<b>PM-2.5</b>
2021	1.0	8.2	9.4	0.0	0.7	0.4
SCAQMD Thresholds	75	100	550	150	150	55

Peak daily construction activity emissions are estimated to be below SCAQMD CEQA thresholds without the need for added mitigation. Though construction activities are not anticipated to cause dust emissions to exceed SCAQMD CEQA thresholds, emissions minimization through enhanced dust control measures is recommended for use because of the non-attainment status of the air basin. As such, the following mitigation measure shall be implemented:

**AQ-1 Fugitive Dust Control. The following measures shall be incorporated into project plans and specifications for implementation during construction:**

- **Apply soil stabilizers to inactive areas.**
- **Prepare a high wind dust control plan and implement plan elements and terminate soil disturbance when winds exceed 25 mph.**
- **Stabilize previously disturbed areas if subsequent construction is delayed.**
- **Apply water to disturbed surfaces 3 times/day.**
- **Replace ground cover in disturbed areas quickly.**
- **Reduce speeds on unpaved roads to less than 15 mph.**
- **Trenches shall be left exposed for as short a time as possible.**
- **Identify proper compaction for backfilled soils in construction specifications.**

***This measure shall be implemented during construction, and shall be included in the construction contract as a contract specification.***



Similarly, ozone precursor emissions (ROG and NOx) are calculated to be below SCAQMD CEQA thresholds. However, because of the regional non-attainment for photochemical smog, the use of reasonably available control measures for diesel exhaust is recommended. Combustion emissions control options include:

- AQ-2** **Exhaust Emissions Control.** *The following measures shall be incorporated into Project plans and specifications for implementation:*
- **Utilize off-road construction equipment that has met or exceeded the maker's recommendations for vehicle/equipment maintenance schedule.**
  - **Contactors shall utilize Tier 4 or better heavy equipment.**
  - **Enforce 5-minute idling limits for both on-road trucks and off-road equipment.**

With the above mitigation measures, any impacts related to construction emissions are considered less than significant. No further mitigation is required.

#### *Operational Impacts*

A transmission main installation project will not have any associated operational impacts. It is anticipated that existing conveyance systems (lift stations and/or other appurtenances) will require some additional energy to accommodate the water conveyed by the new transmission main, though the source of the supply to the new transmission main is currently anticipated to flow by gravity; regardless, this increase in energy demand can be accommodated by existing systems. Therefore, no significant operational air quality emissions are anticipated to be generated by the proposed project.

#### *Conclusion*

With the incorporation of mitigation measures **AQ-1** and **AQ-2**, the development of the 18-Inch Transmission Main Installation Project would have a less than significant potential to result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.

- c. *Less Than Significant With Mitigation Incorporated* – The SCAQMD has developed analysis parameters to evaluate ambient air quality on a local level in addition to the more regional emissions-based thresholds of significance. These analysis elements are called Localized Significance Thresholds (LSTs). LSTs were developed in response to Governing Board's Environmental Justice Enhancement Initiative 1-4 and the LST methodology was provisionally adopted in October 2003 and formally approved by SCAQMD's Mobile Source Committee in February 2005.

Use of an LST analysis for a project is optional. For the proposed project, the primary source of possible LST impact would be during construction. LSTs are applicable for a sensitive receptor where it is possible that an individual could remain for 24 hours such as a residence, hospital or convalescent facility.

LSTs are only applicable to the following criteria pollutants: oxides of nitrogen (NOx), carbon monoxide (CO), and particulate matter (PM-10 and PM-2.5). LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard, and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

LST screening tables are available for 25, 50, 100, 200 and 500 meter source-receptor distances. For this project, the nearest residential use is more than 700-feet to the northeast such that the 200- meter distance was used.

The SCAQMD has issued guidance on applying CalEEMod to LSTs. LST pollutant screening level concentration data is currently published for 1, 2 and 5 acre sites. For this project, the most stringent standards for a 1-acre disturbance area were used.

The following thresholds and emissions are therefore determined (pounds per day):

**Table III-9**  
**LST AND PROJECT EMISSIONS (pounds/day)**

<b>LST 1 acre/200 meters Central San Bernardino County</b>	<b>CO</b>	<b>NOx</b>	<b>PM-10</b>	<b>PM-2.5</b>
<b>LST Threshold</b>	5,356	334	74	23
<b>Max On-Site Emissions</b>	10	8	<1	<1

LSTs were compared to the maximum daily construction activities. As seen in Table III-9, LST impacts are less than significant.

Construction equipment exhaust contains carcinogenic compounds within the diesel exhaust particulates. The toxicity of diesel exhaust is evaluated relative to a 24-hour per day, 365 days per year, 70-year lifetime exposure. The SCAQMD does not generally require the analysis of construction-related diesel emissions relative to health risk due to the short period for which the majority of diesel exhaust would occur. Health risk analyses are typically assessed over a 9-, 30-, or 70-year timeframe and not over a relatively brief construction period due to the lack of health risk associated with such a brief exposure. With the incorporation of mitigation measures **AQ-1** and **AQ-2**, the development of the 18-Inch Transmission Main Installation Project would have a less than significant potential the proposed project would have a less than significant potential to expose sensitive receptors to substantial pollutant concentrations.

- d. *Less Than Significant Impact* – Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts particularly given that the water transmission pipeline will be located belowground. Project operations (pumping) are an essentially closed system with negligible odor potential. Therefore, impacts under this issue are considered less than significant. No mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>IV. BIOLOGICAL RESOURCES:</b> Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**SUBSTANTIATION:** The project is not located in the any of the County's Biological Overlays. The following information is provided based on a study titled "West Valley Water District 18-Inch Transmission Main Installation Project Biological Resource Assessment and Jurisdictional Delineation Report" (BRA) prepared by Jacobs Engineering Group, Inc. dated September 2021 and provided as Appendix 2.

#### General Site Conditions

The Project Area is situated near the northern end of the broad alluvial fan that lies to the southwest of Lytle Creek, northwest of the Lytle Creek Wash/Cajon Wash confluence, and south of the eastern end of the San Gabriel Mountain foothills. The topography of the Project site consists of a flat, graded landscape, comprised of existing transportation corridor and adjacent disturbed landscape. The elevation of the Project site ranges from approximately 1,865 feet above mean sea level (amsl) at the north end of the Project alignment, to 1,845 feet amsl at the south end of the Project alignment.

The proposed impact area is completely disturbed, consisting of existing transportation corridor (I-15), paved roadways (Lytle Creek Road and Citrus Avenue), and the disturbed, vacant land between Lytle Creek Road and Citrus Avenue. Surrounding land uses consist of transportation corridor, paved roadways, and disturbed, vacant land.

The proposed impact area no longer supports any native habitat, but there is some non-native grassland within and adjacent the proposed impact area. Vegetation in the Project Area is dominated by non-native

species including non-native brome grasses (*Bromus* spp.), tocalote (*Centaurea melitensis*), and shortpod mustard (*Hirschfeldia incana*). Scattered native species present within the Project Area are mostly ruderal species including Turkey-mullein (*Croton setiger*), jimsonweed (*Datura wrightii*), and common sunflower (*Helianthus annuus*), as well as several California buckwheat (*Eriogonum fasciculatum*).

Birds were the only observed wildlife group during survey and species observed or otherwise detected in the Project Area during the reconnaissance-level survey included:

- Rock pigeon (*Columba livia*)
- American kestrel (*Falco sparverius*)
- House finch (*Haemorhous mexicanus*)
- Black phoebe (*Sayornis nigricans*)
- European starling (*Sturnus vulgaris*)
- Cassin's kingbird (*Tyrannus vociferans*)

### Conclusion

#### **Sensitive Biological Resources**

No sensitive species were observed within the Project Area during the reconnaissance-level field survey and due to the environmental conditions on site, none are expected to occur. The Project Area is completely disturbed, consisting of existing transportation corridor (I-15), paved roadways (Lytle Creek Road to the north and Citrus Avenue to the south), and disturbed, vacant land comprised of non-native grassland and unvegetated (disked) bare ground. The Project Area no longer supports any native habitats that would be suitable to support any of the state or federally listed species, or other special status species documented in the Project vicinity. Therefore, the proposed Project is not likely to adversely affect any state or federally listed species, or other special status species, and the potential for any of the sensitive species identified in Appendix A of the BRA to occur within the Project Area is low. Furthermore, although the Project Area is within United States Fish and Wildlife Service (USFWS) designated Critical Habitat for the federally listed SBKR, and the Project will not result in any loss or adverse modification of Critical Habitat.

#### **Burrowing Owl**

A burrowing owl (BUOW) habitat suitability assessment was conducted by Jacobs biologists in August 2021 that included 100 percent visual coverage of the Project Area, wherever potentially suitable BUOW habitat was present. The result of the survey was that no evidence of BUOW was found in the survey area. No BUOW individuals or sign including castings, feathers or whitewash were observed and BUOW are considered absent from the Project Area at the time of survey. Although the Project is not likely to adversely affect this species, there is still a potential for the Project Area to become occupied by BUOW between the time the survey was conducted and the commencement of Project-related construction activities. Therefore, precautionary avoidance measures are recommended to ensure the Project does not result in any impacts to BUOW.

The BUOW is a state and federal species of special concern (SSC) and is also protected under the MBTA and by state law under the California Fish and Game Code (FGC, #3513 & #3503.5). In general, impacts to BUOW can be avoided by conducting work outside of their nesting season (peak BUOW breeding season is identified as April 15th to August 15th). However, if all work cannot be conducted outside of nesting season, a project specific BUOW protection and/or passive relocation plan can be prepared to determine suitable buffers and/or artificial burrow construction locations. Regardless of survey results and conclusions given herein, BUOW are protected by applicable state and federal laws. As such, if a BUOW is found on-site at the time of construction, all activities likely to affect the animal(s) should cease immediately and regulatory agencies should be contacted to determine appropriate management actions. Importantly, nothing given in this report is intended to authorize any form of disturbance to BUOW. Such authorization must come from the appropriate regulatory agencies, including California Department of Fish and Wildlife (CDFW) and/or USFWS.

**Nesting Birds**

There is habitat within the Project Area that is suitable to support nesting birds, including both vegetation and man-made structures. Most native bird species are protected from unlawful take by the MBTA (Appendix C). In December 2017, the Department of the Interior (DOI) issued a memorandum concluding that the Migratory Bird Treaty Act's (MBTA) prohibitions on take apply "[...] only to affirmative actions that have as their purpose the taking or killing of migratory birds, their nests, or their eggs" (DOI 2017). Then in April 2018, the USFWS issued a guidance memorandum that further clarified that the take of migratory birds or their active nests (i.e., with eggs or young) that is incidental to, and not the purpose of, an otherwise lawful activity does not constitute a violation of the MBTA.

However, the State of California provides additional protection for native bird species and their nests in the Fish and Game Code (FGC). Bird nesting protections in the FGC include the following (Sections 3503, 3503.5, 3511, 3513 and 3800):

- Section 3503 prohibits the take, possession, or needless destruction of the nest or eggs of any bird.
- Section 3503.5 prohibits the take, possession, or needless destruction of any nests, eggs, or birds in the orders Falconiformes (new world vultures, hawks, eagles, ospreys, and falcons, among others), and Strigiformes (owls).
- Section 3511 prohibits the take or possession of Fully Protected birds.
- Section 3513 prohibits the take or possession of any migratory nongame bird or part thereof, as designated in the MBTA. To avoid violation of the take provisions, it is generally required that Project-related disturbance at active nesting territories be reduced or eliminated during the nesting cycle.
- Section 3800 prohibits the take of any non-game bird (i.e., bird that is naturally occurring in California that is not a gamebird, migratory game bird, or fully protected bird).

In general, impacts to all bird species (common and special status) can be avoided by conducting work outside of the nesting season, which is generally March 15<sup>th</sup> through September 1<sup>st</sup>. However, if all work cannot be conducted outside of nesting season, mitigation is recommended.

**Jurisdictional Waters**

In addition to the BRA and focused botanical field survey, Jacobs also assessed the project APE for the presence of any state and/or federal jurisdictional waters. The result of the jurisdictional waters assessment is that there are no wetland or non-wetland waters of the United States (WOTUS) or waters of the State potentially subject to regulation by the United States Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA), the Regional Water Quality Control Board (RWQCB) under Section 401 of the CWA and/or Porter Cologne Water Quality Control Act, or the California Department of Fish and Wildlife (CDFW) under Section 1602 of the FGC, respectively. Therefore, the project will not impact and jurisdictional waters and no state or federal jurisdictional waters permitting will be required.

**Impact Analysis**

- a. *Less Than Significant Impact* – Implementation of the project has minimal potential for a significant adverse effect, either directly or through habitat modifications, on species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS. The project site is vacant and no longer supports any native habitat, but there is some non-native grassland within and adjacent the proposed impact area. The BRA provided as Appendix 2 to this Initial Study determined that the project site does not contain suitable habitat for the following species with a potential to occur in the project area:
- San Bernardino kangaroo rat (*Dipodomys merriami parvus*)
  - Slender-horned spineflower (*Dodecahema leptoceras*)
  - Coastal California gnatcatcher (*Polioptila californica californica*)
  - Least Bell's vireo (*Vireo bellii pusillus*)

No State- and/or federally listed threatened or endangered species, or other sensitive species were observed on site during the field survey. However, although no BUOW were observed during the

survey of the site, habitat for this species exists within the project site. As such, although the project is not likely to adversely affect this species, there is still a potential for the Project Area to become occupied by BUOW between the time the survey was conducted and the commencement of Project-related construction activities. Therefore, the following precautionary avoidance measures are recommended to ensure the Project does not result in any impacts to BUOW:

**BIO-1** *Preconstruction presence/absence surveys for burrowing owl shall be conducted no more than 3 days prior to any onsite ground disturbing activity by a qualified biologist, including prior to each phase of new ground disturbance. The burrowing owl surveys shall be conducted pursuant to the recommendations and guidelines established by the California Department of Fish and Wildlife in the "California Department of Fish and Wildlife 2012 Staff Report on Burrowing Owl Mitigation." In the event this species is not identified within the project limits, no further mitigation is required, and a letter shall be prepared by the qualified biologist documenting the results of the survey. The letter shall be submitted to CDFW prior to commencement of project activities. If during the preconstruction survey, the burrowing owl is found to occupy the site, Mitigation Measure BIO-2 shall be required.*

**BIO-2** *If burrowing owls are identified during the survey period, the District shall take the following actions to offset impacts prior to ground disturbance:*

*The District shall notify CDFW within three business days of determining that a burrowing owl is occupying the site to discuss the observed location, activities and behavior of the burrowing owl(s) and appropriate avoidance and minimization measures.*

*Active nests within the areas scheduled for disturbance or degradation shall be avoided until fledging has occurred, as confirmed by a qualified biologist. Following fledging, owls may be passively relocated by a qualified biologist, as described below.*

*If impacts on occupied burrows are unavoidable, onsite passive relocation techniques may be used if approved by the CDFW to encourage owls to move to alternative burrows provided by the District outside of the impact area.*

*If relocation of the owls is approved for the site by CDFW, CDFW shall require the District to hire a qualified biologist to prepare a plan for relocating the owls to a suitable site and conduct an impact assessment. A qualified biologist shall prepare and submit a passive relocation program in accordance with Appendix E (i.e., Example Components for Burrowing Owl Artificial Burrow and Exclusion Plans) of the 2012 Staff Report on Burrowing Owl Mitigation (CDFG 2012) to the CDFW for review/approval prior to the commencement of disturbance activities onsite.*

*The relocation plan must include all of the following and as indicated in Appendix E:*

- *The location of the nest and owls proposed for relocation.*
- *The location of the proposed relocation site.*
- *The number of owls involved and the time of year when the relocation is proposed to take place.*
- *The name and credentials of the biologist who will be retained to supervise the relocation.*
- *The proposed method of capture and transport for the owls to the new site.*

- ***A description of site preparation at the relocation site (e.g., enhancement of existing burrows, creation of artificial burrows, one-time or long-term vegetation control).***

***The District shall conduct an impact assessment, in accordance with the Staff Report on Burrowing Owl Mitigation prior to commencing project activities to determine appropriate mitigation, including the acquisition and conservation of occupied replacement habitat at no less than a 2:1 ratio.***

***Prior to passive relocation, suitable replacement burrows site(s) shall be provided at a ratio of 2:1 and permanent conservation and management of burrowing owl habitat such that the habitat acreage, number of burrows and burrowing owl impacts are replaced consistent with the Staff Report on Burrowing Owl Mitigation including its Appendix A within designated adjacent conserved lands identified through coordination with CDFW and the District. A qualified biologist shall confirm the natural or artificial burrows on the conservation lands are suitable for use by the owls. Monitoring and management of the replacement burrow site(s) shall be conducted and a reporting plan shall be prepared. The objective shall be to manage the replacement burrow sites for the benefit of burrowing owls (e.g., minimizing weed cover), with the specific goal of maintaining the functionality of the burrows for a minimum of 2 years.***

***A final letter report shall be prepared by the qualified biologist documenting the results of the passive relocation. The letter shall be submitted to CDFW.***

This is a contingency mitigation measure since the site does not contain any evidence of burrowing owls at present. This measure will ensure that any burrowing owl that may come to inhabit the site between the date of the BRA survey and the start of construction will be protected. Given that no other State- and/or federally-listed threatened or endangered species, or other sensitive species are anticipated to occur within the project site based on the results of the BRA, the proposed project would have a less than significant potential to have a substantial adverse effect on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS with implementation of MMs **BIO-1** and **BIO-2**.

- b. ***Less Than Significant Impact*** – Implementation of the proposed project has a potential to have an adverse effect on any riparian habitat or sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS. The project footprint does not contain suitable habitat for any of the sensitive species with a potential to occur in the project APE, and it does not contain any known riparian habitat or any other sensitive natural community identified by any agency. The project area of potential effects (APE) does not contain any sensitive habitats, including any USFWS designated Critical Habitat for any federally listed species, and the project will not result in any loss or adverse modification of Critical Habitat. Therefore, with implementation of the above mitigation, there is a less than significant potential for implementation of this project to have an adverse effect on any riparian habitat or sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS.
- c. ***No Impact*** – According to the data gathered by Jacobs in the BRA, no federally protected wetlands occur within the project footprint. Jacobs assessed the project APE for the presence of any state and/or federal jurisdictional waters. The result of the jurisdictional waters assessment is that there are no wetland or non-wetland WOTUS or waters of the State potentially subject to regulation by the USACE under Section 404 of the CWA, the RWQCB under Section 401 of the CWA and/or Porter Cologne Water Quality Control Act, or the CDFW under Section 1602 of the FGC, respectively. Therefore, the project will not impact and jurisdictional waters and no state or federal jurisdictional waters permitting will be required. Therefore, implementation of the proposed project will have no

potential to impact any federally protected wetlands through direct removal, filling, hydrological interruption, or other means. No mitigation is required.

- d. *Less Than Significant With Mitigation Incorporated* – Based on the field survey of the project site, the project will not substantially interfere with or impede the use of native nursery sites. In light of the project's location between two transportation corridors (Lytle Creek Road and the I-15 Freeway), thus separating any wildland interfaces from the project site, the proposed project would have a less than significant potential to restrict movement of any native resident or migratory species or conflict with established native or migratory wildlife corridors. Once constructed, the project area will generally be returned to its original state as the proposed transmission main would be installed belowground. The State protects all migratory and nesting native birds. Several bird species were identified as potentially occurring in the project area, and the proposed project site contains suitable habitat for nesting birds within the site. To avoid impacting nesting birds as required by the MBTA and California FGC, the following mitigation measure shall be implemented:

**BIO-3** *Nesting bird surveys shall be conducted by a qualified avian biologist no more than three (3) days prior to vegetation clearing or ground disturbance activities. Preconstruction surveys shall focus on both direct and indirect evidence of nesting, including nest locations and nesting behavior. The qualified avian biologist will make every effort to avoid potential nest predation as a result of survey and monitoring efforts. If active nests are found during the preconstruction nesting bird surveys, a Nesting Bird Plan (NBP) shall be prepared and implemented by the qualified avian biologist. At a minimum, the NBP shall include guidelines for addressing active nests, establishing buffers, ongoing monitoring, establishment of avoidance and minimization measures, and reporting. The size and location of all buffer zones, if required, shall be based on the nesting species, individual/pair's behavior, nesting stage, nest location, its sensitivity to disturbance, and intensity and duration of the disturbance activity. To avoid impacts to nesting birds, any grubbing or vegetation removal should occur outside peak breeding season (typically February 1 through September 1).*

Thus, with implementation of the above measure, any effects on wildlife movement or the use of wildlife nursery sites can be reduced to a less than significant impact.

- e. *Less Than Significant Impact* – Based on the field survey, there are no species that are specifically protected by a local policy or ordinance specific to the proposed project site. As no biological resources located within the project footprint are protected under local policies or ordinances, impacts under this issue are considered less than significant.
- f. *No Impact* – Please refer to the discussion under response IV(a) above. The Biological Resources Assessment provided as Appendix 2 concluded that the project, is not located in an area within a Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, and implementation of the project will therefore not result in a significant impact to any such plans. No further mitigation is necessary.



	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>V. CULTURAL RESOURCES:</b> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SUBSTANTIATION: The following information is provided based on a Historical/Archaeological resources Survey Report of the Project site. The report was conducted by CRM TECH dated November 3, 2021 and is titled “*Identification and Evaluation of Historic Properties: West Valley Water District 18-inch Transmission Main Installation Project, in and near the City of Fontana, San Bernardino County, California*” (Appendix 3). The following information is abstracted from this report. It provides an overview and findings regarding the cultural resources found within the project area.

#### Background

The purpose of the cultural report is to provide the WVWD and other responsible agencies with the necessary information and analysis to determine whether the project would have an effect on any “historic properties,” as defined by 36 CFR 800.16(l), or “historical resources,” as defined by PRC §5020.1(j), that may exist in or near the APE. In order to accomplish this objective, CRM TECH initiated a historical/archaeological resources records search, pursued historical and geoarchaeological background research, consulted with Native American representatives, and conducted an intensive-level field survey.

During the survey, the small segment of Lytle Creek Road at the northern end of the APE was recorded into the California Historical Resources Inventory and assigned the temporary designation of Site 3755-1H, pending assignment of an official identification number once the California Historical Resources Information System resumes normal operation. The site represents the southwestern end of the portion of Lytle Creek Road that still follows its pre-1970s alignment, which dated at least to the 1930s. Further to the southwest, the road was completely realigned as a result of the construction of I-15 in the 1970s, and the original alignment, extending south along a portion of the APE, has been removed and has left no discernable physical remains today. Due to the lack of any distinguished aspects of significance and of sufficient historic integrity, Site 3755-1H does not appear eligible for listing in the National Register of Historic Places or the California Register of Historical Resources. Therefore, it does not meet the definition of a “historic property” or a “historical resource.”

No other potential “historic properties”/“historical resources” were encountered within or adjacent to the APE, and the subsurface sediments in the vertical APE appear to be relatively low in sensitivity for potentially significant archaeological deposits of prehistoric origin. Based on these findings, and pursuant to 36 CFR 800.4(d)(1) and Calif. PRC §21084.1, CRM TECH recommends to the WVWD and other responsible agencies a conclusion that *no “historic properties” or “historical resources” will be affected by the proposed undertaking*. No further cultural resources investigation is recommended for the undertaking unless construction plans undergo such changes as to include areas not covered by this study. However, if buried cultural materials are encountered during earth-moving operations associated with the undertaking, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

Impact Analysis

- a&b. *Less Than Significant With Mitigation Incorporated* – CEQA establishes that "a project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (PRC §21084.1). "Substantial adverse change," according to PRC §5020.1(q), "means demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired."

Per the above discussion and definition, no archaeological sites or isolates were recorded within the project boundaries. However, during the site survey, the small segment of Lytle Creek Road at the northern end of the APE was recorded into the California Historical Resources Inventory and assigned the temporary designation of Site 3755-1H, pending assignment of an official identification number once the California Historical Resources Information System resumes normal operation. It does not meet the definition of a "historic property" or a "historical resource." Thus, no archaeological or historical isolates requires further consideration during this study. In light of this information and pursuant to PRC §21084.1, the following conclusions have been reached for the project:

- No historical resources within or adjacent to the project area have any potential to be disturbed as they are not within the proposed area in which the facilities will be constructed and developed, and thus, the project as it is currently proposed will not cause a substantial adverse change to any known historical resources.
- No further cultural resources investigation is necessary for the proposed project unless construction plans undergo such changes as to include areas not covered by this study.

However, if buried cultural materials are discovered during any earth-moving operations associated with the project, the following mitigation measure shall be implemented:

***CUL-1 Should any cultural resources be encountered during construction of these facilities, earthmoving or grading activities in the immediate area of the finds shall be halted and an onsite inspection shall be performed immediately by a qualified archaeologist. Responsibility for making this determination shall be with the District. The archaeological professional shall assess the find, determine its significance, and make recommendations for appropriate mitigation measures within the guidelines of the California Environmental Quality Act.***

Additionally, the San Manuel Band of Mission Indians provided mitigation that the Tribe would like to see incorporated in the environmental documentation to protect potential tribal cultural resources. As such, the following mitigation measure that applies to cultural resources shall be implemented to protect such resources:

***CUL-2 Archaeological Monitoring Due to the heightened cultural sensitivity of the proposed project area, an archaeological monitor with at least 3 years of regional experience in archaeology shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of archaeological monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist and submitted to the District for dissemination to the San Manuel Band of Mission Indians***

***Cultural Resources Department (SMBMI). Once all parties review and approve the plan, it shall be adopted by the District – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.***

With the above mitigation measure, the potential for impacts to cultural resources will be reduced to a less than significant level. No additional mitigation is required.

- c. *Less Than Significant With Mitigation Incorporated* – As noted in the discussion above, no available information suggests that human remains may occur within the Area of Potential Effect (APE) and the potential for such an occurrence is considered very low. Human remains discovered during the project will need to be treated in accordance with the provisions of HSC §7050.5 and PRC §5097.98, which is mandatory. State law (Section 7050.5 of the Health and Safety Code) as well as local laws requires that the Police Department, County Sheriff and Coroner's Office receive notification if human remains are encountered. Compliance with these laws is considered adequate mitigation for potential impacts. However, at the request of the San Manuel Band of Mission Indians, MM **TCR-3** shall be implemented, as it addresses the treatment of human remains and funerary objects should they be discovered within the project footprint. As such, the potential for discovery and treatment of human remains will be reduced to a less than significant level. No additional mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>VI. ENERGY:</b> Would the project:				
a) Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

a&b. *Less Than Significant With Mitigation Incorporated* – Energy consumption encompasses many different activities. For example, construction can include the following activities: delivery of equipment and material to a site from some location (note it also requires energy to manufacture the equipment and material, such as harvesting, cutting and delivering wood from its source); employee trips to work, possibly offsite for lunch (or a visit by a catering truck), travel home, and occasionally leaving a site for an appointment or checking another job; use of equipment onsite (electric or fuel); and sometimes demolition and disposal of construction waste. For the proposed project the number of employees will be limited to about 11 persons at a given time during construction with no new employees anticipated to be required once construction has concluded. The project would require removal of existing pavement within roadways, and ground disturbance in undeveloped areas in places where trenching is required along the transmission main alignment. To minimize energy costs of construction debris management, laws are in place that require diversion of all material subject to recycling. During construction, the proposed project will utilize construction equipment that is CARB approved, minimizing emissions generated and electricity required to the extent feasible (through MM **AQ-2** provided under Section III, Air Quality, above). As stated in Section III, Air Quality, the construction of the proposed 18-Inch Transmission Main Installation Project would require mitigation to minimize emissions impacts from construction equipment use. This mitigation measure also applies to energy resources as they require equipment not in use for 5 minutes to be turned off, and for electrical construction equipment to be used where available. This measure would prevent a significant impact during construction due to wasteful, inefficient, or unnecessary consumption of energy resources, and would also conform to the CARB regulations regarding energy efficiency.

Southern California Edison Company (SCE) is the primary distributor of electricity in the project area. However, the operation of the transmission line will not require a new source of energy to operate. This is because the transmission line will connect to WVWD's existing system, and as such are not creating a new demand on the electrical system to deliver water within the District's service area. No new pumping facilities are required to accommodate the proposed transmission line, particularly given that the supply of water to the new transmission main is anticipated to flow by gravity from an existing reservoir. In the future, the District's existing systems may utilize some additional energy to transmit a greater amount of water to this Pressure Zone to accommodate future development; any additional facilities that may be required to meet future demand would be contemplated in a subsequent CEQA document, as the energy that the proposed project would demand beyond that which the District presently utilizes would be nominal. No additional energy demand is anticipated and no natural gas would be required to operate the proposed project, and trips to the project footprint would occur only on an as needed basis for maintenance purposes. As such, petroleum consumption associated with implementation of the 18-Inch Transmission Main Installation Project would not be considered unnecessary, inefficient, or wasteful.

According to SCE's website<sup>3</sup>, SCE is committed to delivering power reliably and to meet demand; SCE is expanding and upgrading the transmission and distribution networks to meet the region's growing demand for electricity, and improve grid performance, while meeting California's ambitious renewable-power goals. As such, it is anticipated that SCE will continue to have ample power supply to serve the construction of the project without the need for additional electrical capacity. Therefore, given the lack of energy required to operate the proposed project, it is not anticipated that the project would either result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operations, or conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Impacts under these issues are considered less than significant.

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<sup>3</sup> <https://www.sce.com/about-us/reliability/meeting-demand>

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>VII. GEOLOGY AND SOILS:</b> Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
(i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in onsite or offsite landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SUBSTANTIATION:** The following information utilized in this section of the Initial Study was obtained from the following technical study: *Geotechnical Report Proposed 18-Inch Transmission Main Waterline, Fontana, CA* prepared by LandMark Geo-Engineers and Geologists dated April 23, 2021. This technical study is provided as Appendix 4a to this document. This section also utilizes data gathered from the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Service, which offers site specific soil data for the project site. This report is provided as Appendix 4b to this document.

a. i. Ground Rupture

*Less Than Significant Impact* – The project footprint is located in San Bernardino County in the unincorporated area and within the City of Fontana. The nearest Alquist-Priolo fault zones are the San Andreas Fault to the north and the Cucamonga Fault, which traverses through the northern portion of the project footprint; this is depicted on Figure VII-1, the San Bernardino Countywide Plan Earthquake Fault Zones Map. Therefore, the proposed transmission pipeline would cross through

an active fault zone. Underground pipelines are not typically susceptible to severe damage from fault rupture, depending on the severity of a seismic event. In the event that a strong earthquake were to occur, the proposed water conveyance pipeline could burst, causing water to leak. While damage to pipelines can occur, pipelines can be repaired and placed back into operation with no loss of human life. Therefore, the proposed project would have a less than significant potential to expose people or structures to rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map.

ii. Strong Seismic Ground Shaking

*Less Than Significant Impact* – As stated in the discussion above, several faults run through the County, and as with much of southern California, the proposed transmission pipeline will be subject to strong seismic ground shaking impacts should any major earthquakes occur in the future, particularly due to the site's location within two fault zones, as shown in Figure VII-1. As a result, and like all other development projects in the City, County, and throughout the southern California region, the proposed project will be required to comply with all applicable seismic design standards contained in the 2019 California Building Code (CBC). Compliance with the CBC and the use of best management design practices will enable maximum structural integrity of the pipelines to be maintained in the event of an earthquake. As stated above, mitigation to prevent impacts from pipeline rupture will be implemented. However, generally, underground pipelines are not typically susceptible to severe damage from ground shaking. Many such facilities exist and function within areas susceptible to strong ground shaking effects. Therefore, given that the proposed project consists of a transmission pipeline alignment that will be constructed underground and that no structures will be developed in support of the proposed project, there is a less than significant potential for people or structures to be exposed to strong seismic ground shaking.

iii. Seismic-Related Ground Failure Including Liquefaction

*Less Than Significant Impact* – The three factors determining whether a site is likely to be subject to liquefaction include seismic shaking, type and consistency of earth materials, and groundwater level. Liquefaction of saturated cohesionless soils can be caused by strong ground motion resulting from earthquakes. Soil liquefaction is a phenomenon in which saturated, cohesionless soils lose their strength due to the build-up of excess pore water pressure during cyclic loading such as that induced by earthquakes. According to the map prepared for the County of San Bernardino Countywide Plan Liquefaction & Landslides Map (Figure VII-2), the project site is not located in an area known to be susceptible to liquefaction. As with other ground failure potential, pipelines are not susceptible to significant adverse effects associated with liquefaction. Damage to pipelines can occur, but can be repaired and placed back into operation with no loss of human life. Therefore, potential impacts associated with seismic-related ground failure would be considered less than significant. No mitigation is required.

iv. Landslide

*Less Than Significant Impact* – Landslides in the project area are generally known to occur around the foothills of the San Gabriel Mountains. The proposed project footprint is located in the valley region of San Bernardino County, and generally is not located in an area that would be susceptible to landslide. According to the map prepared for the San Bernardino Countywide Plan Liquefaction & Landslides Map (Figure VII-2), the project site is not located in an area that is considered susceptible to landslides. Pipelines are not typically susceptible to significant adverse effects associated with landslides. Damage to pipelines can occur, but can be repaired and placed back into operation with no loss of human life. Therefore, potential impacts associated with landslides are considered less than significant. No mitigation is required.

- b. *Less Than Significant With Mitigation Incorporated* – The proposed transmission line will traverse a relatively undeveloped area between Lytle Creek Road and Citrus Avenue, with some jack and bore techniques required to enable transmission main to cross under the I-15 freeway. The proposed

transmission main project will result in land disturbance in the areas that will require construction within roadways and adjacent rights-of-way to accommodate the trenching required to install the transmission pipeline. Adequate drainage facilities exist to accommodate existing drainage flows, and no change in drainage will result once the roadways are repaved, land is recompacted, and the transmission line is in place belowground. Implementation of BMPs in conjunction with Mitigation Measure (MM) **HYD-1** in the Hydrology and Water Quality section to control erosion is considered adequate to mitigate potential impacts associated with the water-related erosion of soil. Please refer to the detailed discussion and mitigation measures addressing wind-related soils erosion (fugitive dust) in the Air Quality section.

- GEO-1** *Stored backfill material shall be covered with water resistant material during periods of heavy precipitation to reduce the potential for rainfall erosion of stored backfill material. Where covering is not possible, measures such as the use of straw bales or sand bags shall be used to capture and hold eroded material on the Project site for future cleanup such that erosion does not occur.*
- GEO-2** *Excavated areas shall be backfilled and compacted such that erosion does not occur. Paved areas disturbed by this project shall be repaved in such a manner that roadways and other disturbed areas are returned to the pre-project conditions or better.*
- GEO-3** *All exposed, disturbed soil (trenches, stored backfill, etc.) will be sprayed with water or soil binders twice a day or more frequently if fugitive dust is observed migrating from the site within which the pipelines are being installed.*
- GEO-4** *The length of trench which can be left open at any given time will be limited to that needed to reasonably perform construction activities. This will serve to reduce the amount of backfill stored onsite at any given time.*

With implementation of the above mitigation measures, any impacts are considered less than significant. No further mitigation is necessary.

- c. *Less Than Significant With Mitigation Incorporated* – As stated under issues VII(a[iii]) and VII(a[iv]) above, the project footprint traverses through areas that are not susceptible to landslides and liquefaction. As discussed under issue VII(a) above, compliance with Uniform Building Code design requirements is considered significant seismic protection for this uninhabited well facility. Additionally, according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Service (Appendix 4b), the soils in the site vicinity are mostly Tujunga gravelly loamy sand. This soil class is somewhat excessively drained soils that formed in alluvium from granitic sources with negligible to low runoff; high saturated hydraulic conductivity<sup>4</sup>. The Geotechnical Investigation prepared for the project (Appendix 4a) evaluated systematic settlements at the project site and determined that where systematic settlements are higher than the maximum one quarter inch allowed for surface in traffic vehicular lanes or one half inch at the surface with no traffic, they can be controlled by limiting the radial overcut and by filling the annulus with bentonite lubricant during tunneling, and with cement grout after tunneling is completed. This shall be enforced by the following mitigation measure:

- GEO-5** *Based upon the geotechnical investigation (Appendix 4a of this document), all of the recommended design and construction measures identified in Appendix 4a (listed on Pages 4-7) shall be implemented by the District. Implementation of these specific measures will address all of the identified geotechnical constraints identified at project site, including soil stability on future project-related structures.*

<sup>4</sup> [https://soilseries.sc.egov.usda.gov/OSD\\_Docs/T/TUJUNGA.html](https://soilseries.sc.egov.usda.gov/OSD_Docs/T/TUJUNGA.html)



Therefore, due to the nature of the proposed project, and the type of soil unit underlying the project site, the proposed project has a less than significant potential to be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in onsite or offsite landslide, lateral spreading, subsidence, liquefaction or collapse with the implementation of MM **GEO-5**. Furthermore, the proposed project consists of the installation of a transmission main mostly within existing roadways and on undeveloped, undisturbed land, with some jack and bore techniques required to enable the transmission main to cross under the I-15 freeway, and pipelines are generally not susceptible to significant adverse effects associated with unstable soils. As stated under issues VII(a[iii]) and VII(a[iv]) above, damage to pipelines can occur, but can be repaired and placed back into operation with no loss of human life. Based on the analysis above, the project footprint is anticipated to be underlain by generally stable soils, and given the type of project proposed, impacts to structures or humans would be minimal.

- d. *Less Than Significant Impact* – The majority of the proposed project will be located underground. As stated throughout the Geology and Soils section of the Initial Study, pipelines are generally not subject to experiencing significant effects of soil instability or in this case, expansive soils. According to the USDA Natural Resources Conservation Service Web Soil Survey (Appendix 4b), the majority of the project area is underlain by Tujunga gravelly loamy sands, which are not considered expansive soils. Expansive soils are typically in the clay soil family, which are not known to be present within the project footprint; however, as previously stated, while damage to pipelines can occur, damaged pipelines can be repaired and placed back into operation with no loss of human life. Further, the transmission main will be installed on engineered fill and cover material that will minimize potential damage. Given the above, the proposed project would have a less than significant potential to be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property.
- e. *No Impact* – The proposed project proponent is WVWD, and the overall purpose of the proposed project is to expand WVWD's water system to accommodate future demand by development in the project area. No septic systems or alternative wastewater disposal systems are proposed as part of the project. Thus, no impacts related to the use of septic tanks or alternative water disposal systems will occur.
- f. *Less Than Significant With Mitigation Incorporated* – The potential for discovering paleontological resources during development of the project is considered unlikely due to the past disturbance and extent of ground disturbance within disturbed areas of the project site; however, given that some undisturbed area would be disturbed by the proposed project, there are portions of the transmission main alignment that may contain paleontological resources. The vast majority of the pipeline alignments are contained within the rights-of-way of existing public roadways, where typically the top five to six feet of soils are practically engineered fill that has been greatly disturbed by road construction and the installation of subsurface utility lines. In other cases, such as where jack and bore techniques would be utilized, much of the soils/sediment will be well underground with little potential for disturbance of subsurface paleontological resources. While no unique geologic features are known or suspected to occur on or beneath the sites, because these resources are located beneath the surface and can only be discovered as a result of ground disturbance activities, the following contingency mitigation measure shall be implemented:

**GEO-6** *Should any paleontological resources be accidentally encountered during construction of these facilities, earthmoving or grading activities in the immediate area of the finds shall be halted and an onsite inspection should be performed immediately by a qualified paleontologist. Responsibility for making this determination shall be with WVWD's onsite inspector. The paleontological professional shall assess the find, determine its significance, and determine appropriate mitigation measures within the guidelines of the California Environmental Quality Act that shall be implemented to minimize any impacts to a paleontological resource.*

With incorporation of this contingency mitigation, the potential for impact to paleontological resources will be reduced to a less than significant level. No additional mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>VIII. GREENHOUSE GAS EMISSIONS:</b> Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**SUBSTANTIATION:** The following information utilized in this section of the Initial Study was obtained from the following technical study: *Air Quality and GHG Impact Analyses, West Valley Water District, Transmission Main Project, San Bernardino, California* prepared by Giroux & Associates dated July 12, 2021. This technical study is provided as Appendix 1 to this document.

#### GHG Background

California has passed several bills and the Governor has signed at least three executive orders regarding greenhouse gases. GHG statutes and executive orders (EO) include AB 32, SB 1368, EO S-03-05, EO S-20-06 and EO S-01-07. AB 32 is one of the most significant pieces of environmental legislation that California has adopted. Among other things, it is designed to maintain California's reputation as a "national and international leader on energy conservation and environmental stewardship." A unique aspect of AB 32, beyond its broad and wide-ranging mandatory provisions and dramatic GHG reductions, are the short time frames within which it must be implemented. Major components of the AB 32 include:

- Require the monitoring and reporting of GHG emissions beginning with sources or categories of sources that contribute the most to statewide emissions.
- Requires immediate "early action" control programs on the most readily controlled GHG sources.
- Mandates that by 2020, California's GHG emissions be reduced to 1990 levels.
- Forces an overall reduction of GHG gases in California by 25-40%, from business as usual, to be achieved by 2020.
- Must complement efforts to achieve and maintain federal and state ambient air quality standards and to reduce toxic air contaminants.

Statewide, the framework for developing the implementing regulations for AB 32 continues. Maximum GHG reductions are expected to derive from increased vehicle fuel efficiency, from greater use of renewable energy and from increased structural energy efficiency. Additionally, through the California Climate Action Registry (CCAR now called the Climate Action Reserve), general and industry-specific protocols for assessing and reporting GHG emissions have been developed. GHG sources are categorized into direct sources (i.e., company owned) and indirect sources (i.e., not company owned).

#### Thresholds of Significance

In response to the requirements of SB 97, the State Resources Agency developed guidelines for the treatment of GHG emissions under CEQA. These new guidelines became state laws as part of Title 14 of the California Code of Regulations in March 2010. The CEQA Appendix G guidelines were modified to include GHG as a required analysis element. A project would have a potentially significant impact if it:

- Generates GHG emissions, directly or indirectly, that may have a significant impact on the environment, or,
- Conflicts with an applicable plan, policy or regulation adopted to reduce GHG emissions.

Section 15064.4 of the Code specifies how significance of GHG emissions is to be evaluated. The process is broken down into quantification of Project-related GHG emissions, making a determination of significance, and specification of any appropriate mitigation if impacts are found to be potentially significant. At each of these steps, the new GHG guidelines afford the lead agency with substantial flexibility.

Emissions identification may be quantitative, qualitative or based on performance standards. CEQA guidelines allow the lead agency to “select the model or methodology it considers most appropriate.” The most common practice for transportation/combustion GHG emissions quantification is to use a computer model such as CalEEMod, as was used in the ensuing analysis.

The significance of those emissions then must be evaluated; the selection of a threshold of significance must take into consideration what level of GHG emissions would be cumulatively considerable. The guidelines are clear that they do not support a zero net emissions threshold. If the lead agency does not have sufficient expertise in evaluating GHG impacts, it may rely on thresholds adopted by an agency with greater expertise.

#### Impact Analysis

- a. *Less Than Significant Impact* – On December 5, 2008 the SCAQMD Governing Board adopted an Interim quantitative GHG Significance Threshold for industrial projects where the SCAQMD is the lead agency (e.g., stationary source permit projects, rules, plans, etc.) of 10,000 Metric Tons (MT) CO<sub>2</sub> equivalent per year (CO<sub>2</sub>e/year). In the absence of an adopted numerical threshold of significance, project related GHG emissions in excess of the 10,000 MT guideline level are presumed to trigger a requirement for enhanced GHG reduction at the project level. As such, should the project emit over 10,000 MT CO<sub>2</sub>e/year, it would result in a significant impact under this issue.

The project is assumed to require less than one year for construction. During project construction, the CalEEMod2016.3.2 computer model predicts that the construction activities will generate the annual CO<sub>2</sub> emissions identified in Table VIII-1.

**Table VIII-1  
CONSTRUCTION EMISSIONS (MT CO<sub>2</sub>e)**

	<b>MT CO<sub>2</sub>e</b>
<b>Project GHG Emissions</b>	45.7
<b>Amortized</b>	1.5

SCAQMD GHG emissions policy from construction activities is to amortize emissions over a 30-year lifetime. The amortized level is also provided and given that the proposed project would not generate GHG emissions in excess of 10,000 MT CO<sub>2</sub>e/year, GHG impacts from construction are considered individually less than significant. Total project GHG emissions would be substantially below the proposed significance threshold of 10,000 MT suggested by the SCAQMD as operation of the proposed transmission main would require minimal additional electricity from existing booster pumps serving WVWD’s service area. Hence, neither project operation nor construction would not result in generation of a significant level of greenhouse gases. As such, the proposed project would have a less than significant potential to generate GHG emissions, directly or indirectly, that may have a significant impact on the environment.

b. *Less Than Significant Impact –*

Consistency with GHG Plans, Programs and Policies

In March 2014, the San Bernardino Associated Governments and Participating San Bernardino County Cities Partnership (Partnership) created a final draft of the San Bernardino County Regional Greenhouse Gas Reduction Plan (Reduction Plan). This Reduction Plan was created in accordance to AB 32, which established a greenhouse gas limit for the state of California. The Reduction Plan seeks to create an inventory of GHG gases and develop jurisdiction specific GHG reduction measures and baseline information that could be used by the 21 Partnership Cities of San Bernardino County, including the County of San Bernardino.

Projects that demonstrate consistency with the strategies, actions, and emission reduction targets contained in the Reduction Plan would have a less than significant impact on climate change. The project will generate GHG emissions below the 10,000 MT CO<sub>2e</sub> significance threshold, as shown in Table VIII-1, and as such, it is consistent with the Reduction Plan. As such, the proposed project would have a less than significant potential to conflict with an applicable plan, policy or regulation adopted to reduce GHG emissions.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>IX. HAZARDS AND HAZARDOUS MATERIALS:</b> Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant Impact* – The proposed project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Neither construction nor operation of the proposed transmission main are anticipated to require any routine use of hazardous materials. Additionally, roadways adjacent to and within the project footprint are public roads that can be used by any common carrier to or from the local area. For such transporters, the existing regulatory mandates ensure that the hazardous materials and any hazardous wastes transported to and from the project site will be properly managed. These regulations are codified in Titles 8, 22, and 26 of the California Code of Regulations. For example, maintenance trucks for construction equipment must transport their hazardous materials in appropriate containers, such as tanks or other storage devices. In addition, the haulers must comply with all existing applicable federal, state and local laws and regulations regarding transport, use, disposal, handling and storage of hazardous wastes and material, including storage, collection and disposal. Compliance with these laws and regulations related to transportation will minimize potential exposure of humans or the environment to significant hazards from transport of such materials and wastes.

The proposed project will install about 650 LF of water transmission main pipeline. The proposed pipeline will be constructed underground within existing roadways, within undeveloped easements, or underground by way of jack and bore techniques; once constructed, the roadways will be repaved to their original condition, undisturbed area will be recompact, and the disturbance at jack and bore pit locations will be recompact. Thus, once constructed, the transmission main will not require or result in transport, use, or disposal of hazardous materials. Therefore, impacts under this issue would be less than significant.

- b. *Less Than Significant With Mitigation Incorporated* – During construction or maintenance activities in support of the proposed project, treatment system, fuels, oils, solvents, and other petroleum materials classified as "hazardous" will be used to support these operations. Mitigation designed to reduce, control or remediate potential accidental releases must be implemented to prevent the creation of new contaminated areas that may require remediation in the future and to minimize exposure of humans to public health risks from accidental releases. The following mitigation measure reduce such accidental spill hazards to a less than significant level:

**HAZ-1 All spills or leakage of petroleum products during construction activities will be remediated in compliance with applicable state and local regulations regarding cleanup and disposal of the contaminant released. The contaminated waste will be collected and disposed of at an appropriately licensed disposal or treatment facility.**

By implementing this measure, potentially substantial adverse environmental impacts from accidental releases associated with installation of the proposed well can be reduced to a less than significant level.

- c. *Less Than Significant Impact* – The project site is not located within one quarter mile of a school; the nearest school is Kordyak Elementary School, located about a mile east of the project site at 4580 Mango Avenue, Fontana, CA 92336. The proposed project is not anticipated to emit hazardous emissions or handle large quantities of hazardous materials or substances that would cause a significant impact to a local school. Furthermore, the District will develop further safety standards and operational procedures and continue to enforce existing safety standards and operational procedures for safe transport and use of its operational and maintenance materials that are potentially hazardous. As such, the proposed project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste during construction or operation in a quantity that would pose any danger to people adjacent to, or in the general vicinity of, the project site. Therefore, the impacts of the proposed project to this issue area would be considered less than significant.
- d. *Less Than Significant Impact* –The proposed project would not be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would not create a significant hazard to the public or the environment. None of the proposed actions related to the development of the proposed transmission main would be near to or impact a site known to have hazardous materials or a site under remediation for hazardous materials or associated issues. A review of the California State Water Resources Control Board GeoTracker database indicates that no open hazardous materials cleanup sites are located within a 2,500-foot radius of the proposed pipeline development site (Figure IX-1). Therefore, the proposed project is not forecast to result in a significant hazard to the public or the environment associated with this issue area. No mitigation is required.
- e. *No Impact* – The project site is located at a great distance from any nearby airport. As shown on the Airport Safety & Planning Areas map prepared for the San Bernardino Countywide Plan (Figure IX-2), the proposed project is not located within an Airport Safety Review Area at any of the area airports shown on the Map (Ontario International Airport, San Bernardino International Airport, and Redlands Airport). Therefore, there is no potential safety hazard for people residing or working in the project area as a result of proximity to a public airport or private airstrip. No mitigation is required.

- f. *Less Than Significant With Mitigation Incorporated* – The construction of the transmission main alignment would require temporary ground-disturbance between two points within WVWD’s system on undeveloped, undisturbed land from Lytle Creek Road to the north and Citrus Avenue to the south, including boring under the I-15 freeway. At no time during the installation of the transmission main will the entirety of the above roadways be closed, and no impact to I-15 traffic will occur when the District constructs the segment of the transmission main that will jack and bore under the freeway. The project would require one lane to be closed, which would allow for through-traffic so long as a traffic management plan is developed and implemented. As such, please refer to the Transportation/Traffic Section of this document, Section XVII. MM **TRAN-1** and **TRAN-2** would be implemented to address any potential traffic disruption and emergency access issues on area roadways. Furthermore, much of the proposed project would occur within undeveloped land outside of roadways; the only construction within the roadways would occur at the pipeline to which the transmission main will connect. With implementation of these measures requiring construction traffic control and that roadways are returned to their original or better condition; impacts are reduced to a less than significant. No additional mitigation is required.
- g. *Less Than Significant Impact* – The proposed project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands. The proposed project area is located adjacent to the San Gabriel Mountains, as such, the project is located within to a very high fire hazard severity zone (Figure IX-3). The proposed project footprint is located within both a Local Responsibility Area (LRA) and a State Responsibility Area (SRA) (Figure IX-4). However, the project will not construct any habitable structures. The proposed project will install 650 LF of new transmission pipeline within existing roadways or otherwise underground. Pipelines and transmission mains are not susceptible to wildfire hazards once installed and the development of the proposed pipeline will not increase the risk of wildland fires to nearby residences and structures. Furthermore, the potential for loss of life during construction is considered lessened because the proposed project site is located in an area with an emergency route that leads away from the project area, I-15, as well as access to Lytle Creek Road and Citrus Avenue, which ultimately leads away from the fire hazard zones when traveling south of the project site. Based on past experience with wildfires in the area, the Valley Region does not experience the same level of wildfire hazards as do the mountain areas where fuel loads are greater, and as such, this part of the project area can be successfully evacuated and life preserved, even if property is damaged. The transmission main, however, would remain functional in the event of a wildland fire, as it will operate belowground. Therefore, though the proposed project is located within an area considered susceptible to wildfire hazards, because the entirety of the project will be installed belowground, the proposed project would have a less than significant expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires. No mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>X. HYDROLOGY AND WATER QUALITY:</b> Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				
(i) result in substantial erosion or siltation onsite or offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding onsite or offsite?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?; or,	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant With Mitigation Incorporated* – The project proposes to install 650 LF of transmission main. The construction of the transmission main alignment would require temporary ground-disturbance between two points within WVWD's system on undeveloped, undisturbed land from Lytle Creek Road to the north and Citrus Avenue to the south, including boring under the I-15 freeway. Three main sources of potential violation of water quality standards or waste discharge requirements are as follows: from generation of municipal wastewater; from stormwater runoff; and potential discharges of pollutants, such as accidental spills. The proposed project may result in some soil erosion during construction activities because the proposed project would be developed within some undisturbed areas. However, due to the small size of the proposed project (less than one acre), a Storm Water Pollution Prevention Plan (SWPPP), which would typically address means by which to control potential sources of water pollution that could violate any standards or discharge requirements during construction is not required. The District shall instead implement Best Management Practices (BMPs) during construction, which will be enforced by the following mitigation measure:



**HYD-1** *The District shall require that the construction contractor to implement specific Best Management Practices (BMPs) that will prevent all construction pollutants from contacting stormwater and with the intent of keeping all products of erosion from moving offsite into receiving waters. These practices shall include a Plan that identifies the methods of containing, cleanup, transport and proper disposal of hazardous chemicals or materials released during construction activities that are compatible with applicable laws and regulations. BMPs to be implemented by the District include the following:*

- *The use of silt fences or coir rolls;*
- *The use of temporary stormwater desilting or retention basins;*
- *The use of water bars to reduce the velocity of stormwater runoff;*
- *The use of wheel washers on construction equipment leaving the site;*
- *The washing of silt from public roads at the access point to the site to prevent the tracking of silt and other pollutants from the site onto public roads;*
- *The storage of excavated material shall be kept to the minimum necessary to efficiently perform the construction activities required. Excavated or stockpiled material shall not be stored in water courses or other areas subject to the flow of surface water; and*
- *Where feasible, stockpiled material shall be covered with waterproof material during rain events to control erosion of soil from the stockpiles.*

Once constructed, the proposed transmission main will operate underground within existing road rights-of-way that will be repaved to their original or better condition, as will the area of compacted dirt within which a portion of the alignment will be installed. Therefore, with no anticipated operational impacts or substantial change in the environment from implementation of the proposed project, implementation of these mandatory plans and their BMPs, as well as MMs **HYD-1** and **HAZ-1** above, will prevent a violation of any water quality standards or waste discharge.

- b. *Less Than Significant Impact* – The project does not propose the installation of any water wells that would directly extract groundwater and the proposed project would not impact the amount of pervious area within the project footprint. Furthermore, the proposed project would not encounter groundwater during construction, as the groundwater level is between 705 feet to 732 feet below ground surface (bgs). The project proposes to install a transmission main to facilitate supply of water to accommodate the increase in development that is projected to occur in Pressure Zone 7. There is currently no source of supply within Pressure Zone 7, as water is boosted from the Lower Pressure Zones (4, 5, and 6) to serve that area. The construction of this project will provide WVWD with increased circulation of water by connecting the existing 18" transmission main on Lytle Creek Road and to the future 18" transmission main connection on Citrus Avenue as part of a planned tract development that has been analyzed in a separate CEQA document (the Monarch Hills Residential Development Environmental Impact Report [EIR]; State Clearinghouse Number [SCH#] 2016101065). The transmission main will give WVWD the ability to gravity flow water, provided by the existing reservoir, through the transmission main from one side of the I-15 to the other side. The volume capacity of the transmission main once constructed will be approximately 7,649 gallons per day (gpd). The impacts of delivering this volume of water were analyzed in the WVWD 2020 Water Facilities Master Plan<sup>5</sup> and the environmental impacts have been identified by the CEQA document prepared for the tract home development that will be served by the project; the District determined that sufficient capacity would be available to support the demand created by the development the proposed transmission main would serve. As such, the installation of the proposed transmission main would have a less than significant potential to substantially decrease groundwater supplies or interfere substantially with groundwater recharge such the project may impede sustainable groundwater management of the basin.

<sup>5</sup> <https://wwvd.org/wp-content/uploads/2020/07/2020-Water-Facilities-Master-Plan.pdf>

- c.
- (i-iii). *Less Than Significant Impact* – No substantial impact to drainage patterns or structures will result from implementing this project. The roadways within which the pipeline will be installed will be returned to their original condition upon completion of the installation of the transmission main, as will the area of compacted dirt within which a portion of the alignment will be installed. The roadways will generate essentially the same amount of stormwater as they do at present because no expansion of roadway or change in drainage patterns are anticipated. Conveyance of stormwater to drainage alignments and storm drains within these roadways and within the undeveloped areas within which the transmission main will be installed will remain intact and unchanged once construction has been completed. No substantial change to the existing drainage pattern will result from project implementation. Adequate drainage facilities exist to accommodate pre- and post-project drainage flows, and will therefore result in a less than significant impact. Based on the data outlined above, this project will not substantially alter the existing drainage pattern of the site or area; will not substantially alter the course of a stream or river in such a manner that will result in substantial erosion or siltation either on or off the project footprint; or contribute runoff water that could exceed the capacity of the existing drainage facilities. No additional sources of polluted runoff will result and impacts are considered less than significant. No additional mitigation is required.
- c.
- (iv). *No Impact* – According to the County of San Bernardino General Plan 100-Year Floodplain Map (Figure X-2), the proposed project is not located in a 100-year or 500-year flood hazard area. The project is located within Zone X and is therefore not delineated as being within a FEMA or Department of Water Resources (DWR) flood plain. The proposed project would install pipeline underground within existing roadways or within the area of compacted dirt within which a portion of the alignment will be installed. This project will not substantially alter the existing drainage pattern of the site or area because the roadway and compacted alignment will be returned to their original condition once the transmission main has been installed. As such, once installed underground, the existing drainage pattern will be maintained, and given that no project components will be installed aboveground, the proposed project would have no potential to impede or redirect flows. No mitigation is required.
- d. *Less Than Significant Impact* – As stated above under issue X(c[iv]), the proposed project is located within Zone X and is therefore not delineated as being within a FEMA or Department of Water Resources (DWR) flood plain. The project site is not located near any large bodies of water, so impacts associated with seiche or tsunami cannot occur. Mudflow typically occurs on hillsides and the proposed project is not located on a hillside or in an area exposed to significant mudflow. Once the proposed transmission main is installed belowground, the roadways and area of compacted dirt within which a portion of the alignment will be installed, will be returned to their original condition or better. With no aboveground structures proposed, the development of the proposed 18-Inch Transmission Main Installation Project would not risk release of pollutants due to project inundation. Impacts under this issue are considered less than significant. No mitigation is required.
- e. *Less Than Significant Impact* – The project site is located in the Upper Santa Ana Valley Basin (shown on Figure X-1, the Countywide Plan Groundwater Basins Map) and the Upper Santa Ana River Watershed, which has been designated very low priority by the Sustainable Groundwater Management Act (SGMA). The SGMA empowers local agencies to form Groundwater Sustainability Agencies (GSAs) to manage basins and requires GSAs to adopt Groundwater Sustainability Plans (GSPs) for crucial groundwater basins in California. The SGMA “requires governments and water agencies of high and medium priority basins to halt overdraft and bring groundwater basins into balanced levels of pumping and recharge. Under SGMA, these basins should reach sustainability within 20 years of implementing their sustainability plans. For critically over-drafted basins, that will be 2040. For the remaining high and medium priority basins, 2042 is the deadline.”<sup>6</sup> Given that the project is located within a basin that is considered very low priority, no conflict or obstruction of a water quality control plan or sustainable groundwater management plan is anticipated. As such, the project would not conflict with a sustainable groundwater management plan. Water consumption and effects in the basin indicates that the proposed project’s water demand is considered to be minimal.

<sup>6</sup> <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>

By controlling water quality during construction and operations through implementation of both short- and long-term best management practices at the site, no potential for conflict or obstruction of the Regional Board's water quality control plan has been identified.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XI. LAND USE AND PLANNING:</b> Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

- a. *No Impact* – The 18-Inch Transmission Main Installation Project footprint is located within the City of Fontana and the unincorporated San Bernardino County and will occur within developed roadway segments and within a portion of compacted dirt area within which a portion of the alignment will be installed. The project footprint traverses through the County of San Bernardino land use designation of Very Low Density Residential (VLDR) and the City of Fontana land use designations (RMU) Regional Mixed Use and Residential-Estates (R-E). Generally, as the proposed pipelines would be located belowground, pipelines are considered land use independent as they are considered essential infrastructure. Once in operation the project will not encroach on developed land surrounding the project footprint as the new transmission main will be located underground. The proposed project is considered a benefit to the District's service area because it would accommodate anticipated future growth and demand for water in the area. Therefore, the project would not result in physically dividing an established community, particularly because the entirety of the project will occur within existing road rights-of-way or otherwise below ground, and once constructed, the roadways and compacted dirt area will continue to function as they do at present. No impacts are anticipated and no mitigation is required.
- b. *No Impact* – Please refer to the discussion under issue X(a) above. The project footprint traverses through the County of San Bernardino land use designation of Very Low Density Residential (VLDR) and the City of Fontana land use designations (RMU) Regional Mixed Use and Residential-Estates (R-E). The project will install a new water transmission main within the District's service area in the City of Fontana and the unincorporated San Bernardino County. The project footprint consists of existing road rights-of-way and an alignment of compacted dirt that will be returned to their original condition and function as they do at present once the new transmission main has been installed. Thus, the development of the proposed project within the proposed alignment will be compatible with existing land uses and land use plan, and no conflict or impact to land use can be identified. No mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XII. MINERAL RESOURCES:</b> Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

a&b. *No Impact* – The 18-Inch Transmission Main Installation Project footprint is located within the City of Fontana and unincorporated San Bernardino County and will occur within developed roadway segments and within a portion of compacted dirt area within which a portion of the alignment will be installed. The project is located adjacent to the San Gabriel Mountains, and much of the land adjacent to the footprint is vacant and undeveloped. The San Bernardino Countywide Plan Mineral Resource Zones map indicates that the proposed project is located within the MRZ-3 zone—a moderate potential or possible location for mineral resources to occur—for aggregate resources (Figure XII-1). Additionally, the proposed project is not within an area designated by the State Mining and Geology Board in 1987 or 2013 as a Regional Significant Construction Aggregate Resource Areas in the San Bernardino Production-Consumption Region. Given that the proposed project is not located on a delineated state or regionally significant site, and that no mineral extraction currently occurs or is known to have ever occurred on the property, it is anticipated that the development of the site would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state or a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan. No impacts are anticipated under this issue and no mitigation is required

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XIII. NOISE:</b> Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of a project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

Background

Noise is generally described as unwanted sound. The proposed 18-Inch Transmission Main Installation Project would install 650 LF of transmission main within the City of Fontana and Unincorporated San Bernardino County. The proposed project is located within a site adjacent to the I-15 freeway, and is therefore located in a high background noise level environment. For this project, the nearest sensitive use is a residential use is more than 700-feet to the northeast of the project site. Traffic along Lytle Creek Road and Citrus Avenue is minimal to moderate in the vicinity of the project site; however, the background noise is dominated by the I-15 freeway located between these two roadways.

The unit of sound pressure ratio to the faintest sound detectable to a person with normal hearing is called a decibel (dB). Sound or noise can vary in intensity by over one million times within the range of human hearing. A logarithmic loudness scale, similar to the Richter scale for earthquake magnitude, is therefore used to keep sound intensity numbers at a convenient and manageable level. The human ear is not equally sensitive to all sound frequencies within the entire spectrum. Noise levels at maximum human sensitivity from around 500 to 2,000 cycles per second are factored more heavily into sound descriptions in a process called "A-weighting," written as "dBA."

Leq is a time-averaged sound level; a single-number value that expresses the time-varying sound level for the specified period as though it were a constant sound level with the same total sound energy as the time-varying level. Its unit of measure is the decibel (dB). The most common averaging period for Leq is hourly.

Because community receptors are more sensitive to unwanted noise intrusion during more sensitive evening and nighttime hours, state law requires that an artificial dBA (A-weighted decibel) increment be added to quiet time noise levels. The State of California has established guidelines for acceptable community noise levels that are based on the Community Noise Equivalent Level (CNEL) rating scale (a 24-hour integrated noise measurement scale). The guidelines rank noise land use compatibility in terms of "normally acceptable," "conditionally acceptable," and "clearly unacceptable" noise levels for various land use types. The State Guidelines, Land Use Compatibility for Community Noise Exposure, single-family homes are "normally acceptable" in exterior noise environments up to 60 dB CNEL and "conditionally acceptable" up to 70 dB CNEL based on this scale. Multiple family residential uses are "normally acceptable" up to 65 dB CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries and churches are "normally acceptable" up to 70 dB CNEL, as are office buildings and business, commercial and professional uses with some structural noise attenuation.

City of Fontana Noise Standards

Chapter 17, Article II of this City of Fontana Municipal Code addresses noise. Section 18-63 states the following regarding construction noise.

- (b) *The following acts, which create loud, excessive, impulsive or intrusive sound or noise that annoys or disturbs persons of ordinary sensibilities from a distance of 50 feet or more from the edge of the property, structure or unit in which the source is located, are declared to be in violation of this article, but such enumeration shall not be deemed to be exclusive, namely:*
- (7) *Construction or repairing of buildings or structures. The erection (including excavating), demolition, alteration or repair of any building or structure other than between the hours of 7:00 a.m. and 6:00 p.m. on weekdays and between the hours of 8:00 a.m. and 5:00 p.m. on Saturdays, except in case of urgent necessity in the interest of public health and safety, and then only with a permit from the building inspector, which permit may be granted for a period not to exceed three days or less while the emergency continues and which permit may be renewed for periods of three days or less while the emergency continues. If the building inspector should determine that the public health and safety will not be impaired by the erection, demolition, alteration or repair of any building or structure or the excavation of streets and highways within the hours of 6:00 p.m. and 7:00 a.m., and if he shall further determine that loss or inconvenience would result to any party in interest, he may grant permission for such work to be done on weekdays within the hours of 6:00 p.m. and 7:00 a.m., upon application being made at the time the permit for the work is awarded or during the progress of the work.*

County of San Bernardino Noise Standards

Temporary construction noise is exempt from the County Noise Performance Standards between 7:00 a.m. and 7:00 p.m., except Sundays and Federal holidays. The San Bernardino County Development Code Section 83.01.080 establishes standards for mobile noise sources by limiting construction to the daytime hours between 7 a.m. to 7 p.m. on Monday through Friday and 9 a.m. to 6 p.m. on Saturday, with construction mobile noise sources prohibited on Sundays.

Impact Analysis

- a. *Less Than Significant With Mitigation Incorporated* – The 18-Inch Transmission Main Installation Project footprint is located within the City of Fontana and the Unincorporated San Bernardino County and will occur within developed roadway segments and within a portion of compacted dirt area of within which a portion of the alignment will be installed. However, once installed, the transmission main will be located underground; no above ground features are proposed, and no noise sources will affect adjacent land uses. The background noise in the vicinity of the project is high due to the proximity of the I-15 freeway, under which the project will jack and bore a segment of the new transmission main. As shown on the San Bernardino County General Plan Existing and Future Noise Contour Map showing Existing Noise Contours in the vicinity of the project (Figures XIII-1 and XIII-2), nearly the entire project footprint is located within the 70 CNEL noise contour.

Short Term Construction Noise

Short-term construction noise impacts associated with the proposed project will occur over a period of a maximum of 30 days and may impact nearby residential dwellings, churches, schools, or other sensitive receptors. For this project, the nearest sensitive use is a residential use is more than 700-feet to the northeast of the project site. These activities will include noise generated by construction activities, movement of construction materials to and from the site, and grading, paving, trenching, and excavation within the road rights-of-way. Temporary construction noise is exempt from the County Noise Performance Standards between 7:00 a.m. and 7:00 p.m., except Sundays and Federal holidays. Furthermore, the San Bernardino County Development Code Section 83.01.080 establishes standards for mobile noise sources by limiting construction to the daytime hours between 7 a.m. to 7 p.m. on Monday through Friday and 9 a.m. to 6 p.m. on Saturday, with construction mobile

noise sources prohibited on Sundays. The City of Fontana prohibits the erection (including excavating), demolition, alteration or repair of any building or structure other than between the hours of 6:00 p.m. and 7:00 a.m. on weekdays and between the hours of 5:00 p.m. and 8:00 a.m. on Saturdays, except in case of urgent necessity in the interest of public health and safety, and then only with a permit from the building inspector. The proposed project would be constructed in compliance with the City and County's noise standards, and construction of the project would be less than significant. However, to minimize the noise generated on the site to the extent feasible, the following mitigation measures shall be implemented:

- NOI-1** *All construction vehicles and fixed or mobile equipment shall be equipped with operating and maintained mufflers.*
- NOI-2** *All employees that will be exposed to noise levels greater than 75 dB over an 8-hour period shall be provided adequate hearing protection devices to ensure no hearing damage will result from construction activities.*
- NOI-3** *No construction activities shall occur during the hours of 6 PM through 7 AM, Monday through Friday, or 5 PM through 8 AM on Saturdays for temporary construction noise sources or 5 PM through 9 AM for mobile noise sources during construction and at no time shall construction activities occur on Sundays or holidays, except in case of urgent necessity in the interest of public health and safety, and then only with a permit from the building inspector.*
- NOI-4** *Equipment not in use for five minutes shall be shut off.*
- NOI-5** *Equipment shall be maintained and operated such that loads are secured from rattling or banging.*
- NOI-6** *Construction employees shall be trained in the proper operation and use of equipment consistent with these mitigation measures, including no unnecessary revving of equipment.*
- NOI-7** *WVWD will require that all construction equipment be operated with mandated noise control equipment (mufflers or silencers). Enforcement will be accomplished by random field inspections by WVWD.*

#### Long-Term Operational Noise

The proposed project will not cause any measurable permanent increase in ambient noise levels in the vicinity of the project above levels existing without the project, in particular because this project would install transmission main below ground. Operating the water main in the transmission main alignment will not generate any new sources of operational noise within the project footprint. Therefore, through the implementation of the mitigation measures identified above, neither operation or construction of the proposed project would violate noise standards outlined in the City of Fontana Municipal Code or San Bernardino County Code of Ordinances. Impacts under this issue are considered less than significant with mitigation incorporated.

- b. *Less Than Significant Impact* – Vibration is the periodic oscillation of a medium or object. The rumbling sound caused by vibration of room surfaces is called structure borne noises. Sources of groundborne vibrations include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) or human-made causes (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous or transient. Vibration is often described in units of velocity (inches per second), and discussed in vibration decibel (VdB) units in order to compress the range of numbers required to describe vibration. Vibration impacts related to human development are generally associated with activities such as train operations, construction, and heavy truck movements.

The Federal Transportation Administration (FTA) Assessment states that in contrast to airborne noise, ground-borne vibration is not a common environmental problem. Although the motion of the ground may be noticeable to people outside structures, without the effects associated with the shaking of a structure, the motion does not provoke the same adverse human reaction to people outside. Within structures, the effects of ground-borne vibration include noticeable movement of the building floors, rattling of windows, shaking of items on shelves or hanging on walls, and rumbling sounds. FTA Assessment further states that it is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. However, some common sources of vibration are trains, trucks on rough roads, and construction activities, such as blasting, pile driving, and heavy earth-moving equipment. The FTA guidelines identify a level of 80 VdB for sensitive land uses. This threshold provides a basis for determining the relative significance of potential project related vibration impacts. This threshold provides a basis for determining the relative significance of potential project related vibration impacts.

In the short term, it is possible that groundbreaking construction equipment and other equipment required to construct the whole of the project may have some potential to create some vibration at the nearest sensitive receptors at some sites within the project footprint. Background vibration within project footprint that traverses through the City of Fontana or San Bernardino County would generally be moderate to high given the heavy traffic along the I-15. Groundborne vibration is normally perceptible to humans at approximately 65 VdB, while 75 VdB is the approximate dividing line between barely perceptible and distinctly perceptible. Construction activity can result in varying degrees of groundborne vibration; in the short term, construction from installing the transmission main has the potential to create some groundborne vibration, though no nearby sensitive receptors exist at which the vibration would cause a nuisance. The San Bernardino County Development Code offers guidance on Vibration. San Bernardino County Development Code 83.01.090 provides guidance regarding how vibration should be measured and offers the following Standard:

*(a) Vibration standard. No ground vibration shall be allowed that can be felt without the aid of instruments at or beyond the lot line, nor shall any vibration be allowed which produces a particle velocity greater than or equal to two-tenths (0.2) inches per second measured at or beyond the lot line.*

Additionally, according to the San Bernardino County Development Code, construction is exempt from vibration regulations during the hours of 7 AM and 7 PM. As such, vibration related to construction activities will be less than significant because the project is required to and therefore will limit construction to these hours (as enforced through MM **NOI-3**). Any short-term impacts to the nearest sensitive receptors would be considered less than significant due to the 700-foot distance between the proposed project footprint and the nearest sensitive receptor. Operational vibration is anticipated to be less than significant given that there are no sensitive receptors within 700 feet of the proposed project site and the pipelines will operate below ground, where no above ground vibration would be noticeable. No mitigation is required.

- c. *No Impact* – The project site is located at a great distance from any nearby airport. As shown on the Airport Safety & Planning Areas map prepared for the San Bernardino Countywide Plan (Figure IX-2), the proposed project is not located within an Airport Safety Review Area at any of the area airports shown on the Map (Ontario International Airport, San Bernardino International Airport, and Redlands Airport), and therefore is not located within the noise contours for the Airport. Therefore, there is no potential for the project expose people residing or working in the project area to excessive noise levels as a result of proximity to a public airport or private airstrip. No mitigation is required.



	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XIV. POPULATION AND HOUSING:</b> Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant Impact* – Implementation of the project will not induce substantial population growth in the area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure). The project is considered a vital infrastructure project because it proposes to install a transmission main that would provide WWD with increased circulation of water by connecting the existing 18” transmission main on Lytle Creek Road and to the future 18” transmission main connection on Citrus Avenue as part of a planned tract development that has been analyzed in a separate CEQA document (the Monarch Hills Residential Development Environmental Impact Report [EIR]; State Clearinghouse Number [SCH#] 2016101065). The proposed project will require a temporary work force; however, this is short-term and with a maximum of about 11 employees will not induce substantial population growth. Furthermore, according to the Southern California Association of Governments (SCAG), the total population of Unincorporated San Bernardino County in 2018 was 311,659 persons<sup>7</sup>, while the 2018 population of the City of Fontana was 212,000 persons.<sup>8</sup> The SCAG Connect SoCal Demographics and Growth Forecast<sup>9</sup> notes that the Unincorporated San Bernardino County population is anticipated to grow to 353,100 residents by 2045 and the City of Fontana is anticipated to grow to 286,700 residents by 2045. This indicates that the City and County have room for population growth in the future. As such, given that no additional employees will be required once the transmission main is in operation, the proposed project would have a less than significant potential to induce substantial population growth in an area, either directly or indirectly. No mitigation is required.
- b. *No Impact* – The proposed 18-Inch Transmission Main Installation Project will occur within roadways or otherwise below ground. No housing is proposed as part of the project and no housing exists and no persons reside within the project footprint. Therefore, implementation of the project as a whole will not displace any existing housing or displace a substantial number of people that would necessitate the construction of replacement housing elsewhere. No impacts will occur as a result of project implementation. No mitigation is required.

<sup>7</sup> [https://scag.ca.gov/sites/main/files/file-attachments/unincareasanbernardinocounty\\_0.pdf?1606013790](https://scag.ca.gov/sites/main/files/file-attachments/unincareasanbernardinocounty_0.pdf?1606013790)

<sup>8</sup> [https://scag.ca.gov/sites/main/files/file-attachments/fontana\\_localprofile.pdf?1606014851](https://scag.ca.gov/sites/main/files/file-attachments/fontana_localprofile.pdf?1606014851)

<sup>9</sup> [https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial\\_demographics-and-growth-forecast.pdf?1606001579](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579)

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XV. PUBLIC SERVICES:</b> Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant Impact* – The City of Fontana and County of San Bernardino are currently served by the San Bernardino County Fire Department (SBCFD). The nearest SBCFD station nearest to the project site is Fire Station 79, located at 5075 Coyote Canyon Road, Fontana, CA 92336. Medic Engine 79 and Brush Engine 79 provide paramedic and fire services to northern Fontana residents and business owners. The station also responds to the urban / wildland interface of the Front Country, including Lytle Creek and the I-15 corridor. The project will not include the use or storage of highly flammable materials. The proposed project would install 650 LF of transmission main pipeline belowground within existing roadways and within an undeveloped area containing some native and non-native vegetation. Though there may be some need for fire protection services during construction of the transmission main, existing fire protection services within the area are considered adequate protection in such instances. Once construction of the transmission main has been completed there will be no potential for the operation of the transmission main to require fire protection services it will be located belowground. Therefore, any impact to the existing fire protection system is considered random and less than significant. No additional mitigation is required.
- b. *Less Than Significant Impact* – The proposed project receives police services through the San Bernardino County Sheriff's Department and the Fontana Police Department. These Departments enforces local, state, and federal laws within the project area; performs investigations and makes arrests; administer emergency medical treatment; and responds to emergencies. The project site is served by the Sheriff Service Agency – Fontana and by the Fontana Police Department as shown on Figure XV-1, which depicts the service area of Sheriff Operations and Police Department Operations delineated by the San Bernardino Countywide Plan. The Sheriff's Station is located at 17780 Arrow Blvd, Fontana, CA 92335, which is approximately 10 miles to the south of the project site, the Police Department is located at 17005 Upland Ave, Fontana, CA 92335, which is about 10 miles to the south of the project site, just west of the Sheriff Department, and the project is located within existing patrol routes. The project is not anticipated to generate growth within the project area that would create a new demand for police protection because no additional employees will be required once the pipeline is installed and is in operation. The construction of the transmission main will require only a temporary work force. The proposed project will not include the kind of use that would likely attract criminal activity, except for random trespass and theft; however, construction equipment will be stored in such a manner that public will not have access to it, and once in operation, the project will not include any aboveground components. Thus, due to the type of project proposed, no new or expanded police or sheriff facilities would need to be constructed as a result of the project. Therefore, impacts to police

protection resources from implementation of the proposed project are considered less than significant; no mitigation measures are required.

- c. *Less Than Significant Impact* – The proposed project is located within the Fontana Unified School District, which consists of 45 schools. The nearest school is Kordyak Elementary School, located about a mile east of the project site at 4580 Mango Avenue, Fontana, CA 92336. As discussed under Chapter XIV, Population and Housing, above, the project would not induce population growth within the City or County, as it will neither construct housing, nor result in a growth in employment opportunities within the area. Because the project would install new infrastructure through the development of 650 LF of transmission main and would not develop any aboveground facilities that are commercial, residential, or industrial in nature, the proposed project is not required to pay any fees to offset impacts to school facilities. Thus, the proposed project will not generate an increase in elementary, middle, or high school population. Therefore, any impacts under this issue are considered less than significant. No mitigation is required.
- d. *No Impact* – Because the project would develop infrastructure through the development of 650 LF of transmission main and would not develop any aboveground facilities that are commercial, residential, or industrial in nature, the proposed project is not required to pay any fees to offset impacts to park facilities. As stated in the preceding sections, the proposed project is not anticipated to create a substantial increase in population because it does require additional WVWD staff to operate this new transmission main. Implementation of the proposed project will not impact any current or planned park use, as it will be constructed within existing roadways and within an area containing compacted dirt and vegetation. Thus, implementation of the proposed project would not cause a substantial adverse physical impact to any parks within the County or City. No impacts are anticipated, and no mitigation is required.
- e. *No Impact* – Other public facilities include library and general municipal services. The library system in the County of San Bernardino is operated by the San Bernardino County Library System. Since the project will not directly induce substantial population growth, it is not forecast that the use of such facilities will increase as a result of the proposed project. As a result, the implementation of the project will not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities; need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts in order to maintain acceptable service ratios, response times or other performance objectives for public services to include other public facilities. Thus, no impacts are anticipated under this issue and no mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XVI. RECREATION:</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## SUBSTANTIATION

- a. *No Impact* – As previously discussed in Section XIV, Population and Housing and Section XV, Public Services, this project will not contribute to an increase in the population beyond that already allowed or planned for by local and regional planning documents. Therefore, this project will not result in an increase in the demand for parks and other recreational facilities and implementation of the proposed project would not increase the use of any parks within the area, nor would it result in the physical deterioration of other surrounding facilities. No impacts are anticipated. No mitigation is required.
- b. *No Impact* – The proposed project does not include recreational facilities, nor does it require the construction or expansion of recreational facilities. The proposed project will install 650 LF of new transmission main within WVWD's service area in the Unincorporated San Bernardino County and the City of Fontana. The 18-Inch Transmission Main Installation Project will occur mostly within existing roadways and does not include the construction or expansion of recreational facilities. Thus, there will be no adverse effects on the recreational facilities from implementing this project. No mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XVII. TRANSPORTATION:</b> Would the project:				
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant With Mitigation Incorporated* — The proposed project would install 650 LF of transmission main between Lytle Creek Road and Citrus Avenue in the City of Fontana and the County of San Bernardino, crossing under the I-15 via jack and bore methods. The entirety of the project will occur within the alignment between these two roadways outlined in the project description, mostly within undeveloped segments of land. The majority of the project will occur outside of the roadway, but connections to Lytle Creek Road and Citrus Avenue are required. These segments of roadway are local/modestly traveled roadways, and any lane closure required to install the proposed transmission main would not impact major routes of circulation within the area. The transmission main installation will require one lane to be closed to complete the installation of the connections to the existing transmission main. The closure of only one lane will ensure that each roadway can still operate during construction. However, the project will require implementation of a traffic management plan in order to ensure adequate traffic flow. The installation of new transmission main would temporarily reduce the capacity of roadways along the pipeline alignment(s) due to open-trenching within existing roadway rights-of-way (ROWs) and the resulting temporary lane closures on the affected roadways. The impact of the lane closures would vary based on the number of lanes needed to be closed (a function of pipeline diameter and trench width) and the width (number of lanes) of the affected roads. Two lane roads such as Lytle Creek and Citrus Avenue would likely require active traffic control (flaggers) to allow alternate one-way traffic flow on the available road width, and could possibly require full road closure (with detour routing around the construction work zone). MM **TRAN-1**—addressed below—would be required to reduce potential impacts to traffic and transportation conditions. Implementation of this measure, in conjunction with the temporary character of the construction impacts, is considered sufficient to ensure adequate flow of traffic in a safe manner for pipeline installation.

**TRAN-1** *WVWD shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:*

- *Develop circulation and detour plans, if necessary, to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible.*
- *To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours.*
- *Install traffic control devices as specified in Caltrans' Manual of Traffic Controls for Construction and Maintenance Work Zones where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones.*

- **For roadways requiring lane closures that would result in a single open lane, maintain alternate one-way traffic flow and utilize flagger-controls.**
- **Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.**

During construction, an estimated 11 roundtrips from construction workers per day will occur to install the proposed new transmission main. An average of 10 roundtrips per day would occur to support construction efforts (i.e., delivery or removal of construction materials). Once constructed, no traffic would be generated by this project other than visits to the transmission main alignment by WVWD personnel to inspect and maintain facilities where necessary, resulting in minimal vehicle miles traveled once the transmission main is in operation. Implementation of the project has the potential to conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities. However, with implementation of the above mitigation measure requiring a construction traffic management plan, and the following MM **TRAN-2** requiring disturbances within public roadways to be returned to their original or better condition, the proposed project would result in a less than significant impact pertaining to the circulation system, particularly given that impacts to transit, bicycle, and pedestrian facilities will be temporary, and will not permanently disrupt circulation thereof.

**TRAN-2 WVWD shall require that all disturbances to public roadways be repaired in a manner that complies with the Standard Specifications for Public Works Construction (green book) or other applicable County of San Bernardino or City of Fontana standard design requirements.**

- b. *Less Than Significant Impact* – The proposed project would install 650 LF of transmission main within the City of Fontana and the County of San Bernardino in WVWD’s service area. The proposed project will require minimal vehicle miles traveled to accomplish once constructed. In the short term, construction of the proposed facilities will result in the generation of about 21 roundtrips per day on the adjacent roadways by construction personnel and trucks removing any excavated materials and remains of the structures on site. The total number of truck roundtrips per day is estimated to be 11 trips, plus 10 employee roundtrips per day. The vehicle miles traveled in these instances would likely average less than 80 miles round trip. The number of temporary truck trips will be minimized by using 15 cubic yard material haulers instead of smaller 10 cubic yard trucks to haul material onto and off of the site. Additionally, the same trucks that haul material onto the site would also carry material off of the site. Once constructed, no traffic would be generated by this project other than visits to the transmission main alignment by WVWD personnel to inspect and maintain facilities when necessary, resulting in minimal vehicle miles traveled once the pipelines are in operation. As such, development of the 18-Inch Transmission Main Installation Project is not anticipated to result in a significant impact related to vehicle miles travelled, and thus would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). Impacts under this issue are considered less than significant.
- c. *Less Than Significant With Mitigation Incorporated* – The project will temporarily alter existing roadways during construction of the proposed transmission main. However, this alteration will not create any hazards due to design features of incompatible uses. The proposed project will install approximately 650 LF of transmission main at a few points within existing rights-of-way at Lytle Creek Road and Citrus Avenue in the City of Fontana and County of San Bernardino. As stated under issue XVII(a) above, with the implementation of MMs **TRAN-1** and **TRAN-2**, which require implementation of a construction traffic management plan and requiring disturbances within public roadways to be returned to their original or better condition, any potential increase in hazards due to design features or incompatible use will be considered less than significant in the short term. In the long term, no impacts to any hazards or incompatible uses in existing roadways are anticipated because once the transmission main is constructed, the roadway and segments of undeveloped land/compacted dirt will be returned to its original condition, or better. Thus, any impacts are considered less than significant with implementation of mitigation. No additional mitigation is required.

- d. *Less Than Significant With Mitigation Incorporated* – Please refer to the discussions under issue XVII(a) and XVII(c) above. The proposed project will require closure of one lane within the roadway within which the transmission main must connect to WVWD's existing system. The 18-Inch Transmission Main Installation Project will install a transmission main within the City of Fontana and County of San Bernardino. The majority of the project will occur outside of the roadway, but connections to Lytle Creek Road and Citrus Avenue are required. These segments of roadway are local/modestly traveled roadways, and any lane closure required to install the proposed transmission main would not impact major routes of circulation within the area. Primary roadways within the project footprint that would be used during an emergency or evacuation order would be Lytle Creek Road and Citrus Avenue, though the main evacuation route is the I-15 freeway. During construction, the proposed transmission main would not interfere with traffic along the I-15, and at no time during the installation of transmission main will the entirety of this roadway be closed. The project would require one lane to be closed, which would allow for through-traffic so long as a traffic management plan is developed and implemented. Adequate emergency access will be provided along these routes throughout construction. Though closure of one lane will impact traffic, the implementation of mitigation measures **TRAN-1** and **TRAN-2** will ensure that impacts are reduced to a level of less than significant. No additional mitigation is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XVIII. TRIBAL CULTURAL RESOURCES:</b> Would the project cause a substantial change in the significance of tribal cultural resources, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to the California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

A Tribal Resource is defined in the Public Resources Code section 21074 and includes the following:

- Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American Tribe that are either of the following: included or determined to be eligible for inclusion in the California Register of Historical Resources or included in a local register of historical resources as defined in subdivision (k) of Section 5020.1;
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purpose of this paragraph, the lead agency shall consider the significance of the resources to a California American tribe;
- A cultural landscape that meets the criteria of subdivision (a) is a tribal cultural resource to the extent that the landscape is geographically defined in terms of the size and scope of the landscape;
- A historical resource described in Section 21084.1, a unique archaeological resource as defined in subdivision (g) of Section 21083.2, or a “non-unique archaeological resource” as defined in subdivision (h) of Section 21083.2 may also be a tribal resource if it conforms with the criteria of subdivision (a).

a&b. *Less Than Significant With Mitigation Incorporated* – The District has been contacted by three California tribes: Torres Martinez Desert Cahuilla Indians, San Manuel Band of Mission Indians, Morongo Band of Mission Indians, Gabrieleño Band of Mission Indians – Kizh Nation. The San Manuel Band of Mission Indians responded with a request for the Project Plans, Geotechnical Report, and the Cultural Report. The Project Plans and Geotechnical Report were sent to the tribe on July 20, 2021, while the Cultural Report was sent on November 4, 2021. On November 10, 2021, the representative from the San Manuel Band of Mission Indians provided mitigation that the Tribe would like to see incorporated in the environmental documentation to protect potential tribal cultural



resources. As such, the following mitigation measures shall be implemented to protect such resources:

**TCR-1 Tribal Monitoring**

*Due to the heightened cultural sensitivity of the proposed project area, Tribal monitors representing the San Manuel Band of Mission Indians shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of Tribal monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation (“Cultural Resources” and “Tribal Cultural Resources”) shall be completed by the archaeologist, as detailed within CUL-1, and submitted to the District for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and agree to the plan, it shall be adopted by the District – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.*

**TCR-2 Treatment of Cultural Resources**

*If a pre-contact cultural resource is discovered during archaeological presence/absence testing, the discovery shall be properly recorded and then reburied in situ. A research design shall be developed by the archaeologist that shall include a plan to evaluate the resource for significance under CEQA criteria. Representatives from the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI), the archaeologist/applicant, and the Lead Agency shall confer regarding the research design, as well as any testing efforts needed to delineate the resource boundary. Following the completion of evaluation efforts, all parties shall confer regarding the archaeological significance of the resource, its potential as a Tribal Cultural Resource (TCR), avoidance (or other appropriate treatment) of the discovered resource, and the potential need for construction monitoring during project implementation. Should any significant resource and/or TCR not be a candidate for avoidance or preservation in place, and the removal of the resource(s) is necessary to mitigate impacts, the research design shall include a comprehensive discussion of sampling strategies, resource processing, analysis, and reporting protocols/obligations. Removal of any cultural resource(s) shall be conducted with the presence of a Tribal monitor representing the Tribe, unless otherwise decided by SMBMI. All plans for analysis shall be reviewed and approved by the applicant and SMBMI prior to implementation, and all removed material shall be temporarily curated on-site. It is the preference of SMBMI that removed cultural material be reburied as close to the original find location as possible. However, should reburial within/near the original find location during project implementation not be feasible, then a reburial location for future reburial shall be decided upon by SMBMI and the District, and all finds shall be reburied within this location. Additionally, in this case, reburial shall not occur until all ground-disturbing activities associated with the project have been completed, all monitoring has ceased, all cataloguing and basic recordation of cultural resources have been completed, and a final monitoring report has been issued to the District, CHRIS, and SMBMI. All reburials are subject to a reburial agreement*

*that shall be developed between the District and SMBMI outlining the determined reburial process/location, and shall include measures and provisions to protect the reburial area from any future impacts (vis a vis project plans, conservation/preservation easements, etc.).*

*Should it occur that avoidance, preservation in place, and on-site reburial are not an option for treatment, the landowner shall relinquish all ownership and rights to this material and confer with SMBMI to identify an American Association of Museums (AAM)-accredited facility within the County that can accession the materials into their permanent collections and provide for the proper care of these objects in accordance with the 1993 CA Curation Guidelines. A curation agreement with an appropriate qualified repository shall be developed between the District and museum that legally and physically transfers the collections and associated records to the facility. This agreement shall stipulate the payment of fees necessary for permanent curation of the collections and associated records and the obligation of the Project developer/applicant to pay for those fees.*

*All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the archaeologist and submitted to the District and SMBMI for their review and comment. After approval from all parties, the final reports and site/isolate records are to be submitted to the local CHRIS Information Center, the District, and SMBMI.*

## TCR-3

**Inadvertent Discoveries of Human Remains/Funerary Objects**

*In the event that any human remains are discovered within the project area, ground disturbing activities shall be suspended 100 feet around the resource(s) and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. The on-site lead/foreman shall then immediately who shall notify SMBMI, the applicant/developer, and the Lead Agency. The District and the applicant/developer shall then immediately contact the County Coroner regarding the discovery. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c). The NAHC-identified Most Likely Descendant (MLD), shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and funerary objects shall be treated and disposed of with appropriate dignity. The MLD and the District agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes. The MLD shall complete its inspection and make recommendations within forty-eight (48) hours of the site visit, as required by California Public Resources Code § 5097.98.*

*Reburial of human remains and/or funerary objects (those artifacts associated with any human remains or funerary rites) shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The MLD in consultation with the landowner, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains and funerary objects. All parties are aware that the MLD may wish to rebury the human remains and associated funerary objects on or near the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The District should accommodate on-site reburial in a location mutually agreed upon by the Parties.*

***It is understood by all Parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and the District, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r).***

SMBMI also requested that MM **CUL-2** provided in Subsection V, Cultural Resources be implemented to protect cultural and tribal cultural resources. Additionally, the Gabrieleño Band of Mission Indians – Kizh Nation has also requested consultation under AB 52 in an email dated July 22, 2021. As of November 5, 2021, no specific requests have been made by the Gabrieleño Band of Mission Indians, though the District has reached out via email to ascertain their interest in the project area several times between July 22, 2021 and November 10, 2021. The Gabrieleño Band of Mission Indians – Kizh Nation responded on May 13, 2022 that the Tribe has been very busy and was trying to respond back to everyone as soon as they can. As of June 22, 2022, the Tribe has not provided any subsequent responses or feedback regarding consultation. AB 52 stipulates that consultation is concluded when either of the following occurs:

- The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists to a tribal cultural resource; or
- A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code § 21080.3.2, subd. (b)).

Given that the District has not received feedback from the Tribe after multiple attempts to ascertain what mitigations would be amenable to the tribe to protect tribal cultural resources within the project site, the District has determined that consultation shall be considered concluded with no further input from the Tribe during the initial public review process. The District will provide the Gabrieleño Band of Mission Indians – Kizh Nation an opportunity to provide additional input through the public review process. Ultimately, given the feedback that has been provided by the three tribes during the AB 52 consultation process, implementation of the proposed project can be implemented without the potential for significant impacts to occur. MM **CUL-1** will ensure proper handling of buried cultural materials should any be discovered during any earth-moving operations associated with the project. As such, with the implementation of MM **CUL-1**, and MM **TCR-1** through **TCR-3** above, which would ensure that SMBMI is able to protect any inadvertently discovered tribal cultural resources within the project footprint, the project has a less than significant potential to cause a substantial change in the significance of tribal cultural resources, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to the California Native American tribe and that is either **a)** Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or **b)** A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XIX. UTILITIES AND SERVICE SYSTEMS:</b> Would the project:				
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment, or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

a. Water

*Less Than Significant Impact* – The proposed project will construct new water transmission facilities in the form of a 650 LF new transmission pipeline that will connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario I-15 freeway and terminate at Citrus Avenue in an unimproved area. As demonstrated throughout this Initial Study, the proposed project will not result in any significant impacts from the installation of the new water transmission facilities that will connect to WVWD's existing water distribution system. WVWD will enable the transmission of a greater volume of water to Pressure Zone 7 to support future development. WVWD has available capacity to serve the future development that this new transmission main would serve. Therefore, while the proposed project would construct new water transmission facilities, development of the 18-Inch Transmission Main Installation Project would not result in a significant environmental effect related to the relocation or construction of new or expanded water facilities. Impacts are less than significant.

Wastewater

*Less Than Significant Impact* – The proposed project will not develop any housing or human-occupied structures that would require connection to a wastewater collection system. The project proposes to install 650 LF of water transmission main. Therefore, with no connections to any wastewater collection system required, site improvements are not forecast to require or result in the construction of new wastewater facilities or expansion of existing facilities in order to serve the project.

Stormwater

*Less Than Significant Impact* – As stated under issue XI(c[i-iii]), implementation the proposed project is not forecast to significantly alter the volume of surface/stormwater runoff that will be generated

from the project footprint. The roadways and undeveloped area within which the pipeline will be installed will be returned to their original condition upon completion of the placement of each segment of transmission main. The roadways and undeveloped area will generate, transport, and absorb (where applicable) essentially the same amount of stormwater as they do at present because no expansion of roadway or change in drainage patterns are anticipated. Given that no new stormwater collection facilities are required to implement the proposed project, and that the existing stormwater collection facilities will remain in place under the proposed project, development of the project will not require or result in the construction of new or expansion of existing stormwater drainage facilities. Any impacts under this issue are considered less than significant. No mitigation is required.

#### Electric Power

*Less Than Significant Impact* – Development of the proposed 18-Inch Transmission Main Installation Project would not require the installation of electrical services or substantial additional energy beyond that which is currently required to operate WVWD's existing water distribution system. The proposed project would install 650 LF of transmission main that will be connected to WVWD's existing water distribution system. The area the proposed project will serve will receive water by gravity from an existing reservoir. The project will not require substantial additional energy use at existing transmission facilities to accommodate the transmission of 7,649 gallons per day (gpd). Any increase in energy use would be able to operate within existing electrical capacities. Therefore, the project would not result in a significant environmental effect related to the relocation or construction of new or expanded electric power facilities. No impacts are anticipated.

#### Natural Gas

*No Impact* – Development of the proposed 18-Inch Transmission Main Installation Project would not require installation or use of natural gas. Therefore, the project would not result in a significant environmental effect related to the relocation or construction of new or expanded natural gas facilities. No impacts are anticipated.

#### Telecommunications

*No Impact* – Development of the proposed 18-Inch Transmission Main Installation Project would not require installation of wireless internet service or phone service. Therefore, the project would not result in a significant environmental effect related to the relocation or construction of new or expanded telecommunication facilities. No impacts are anticipated.

- b. *Less Than Significant Impact* – Please refer to the discussion under Subchapter X, Hydrology, issue b. The project proposes to install a transmission main to facilitate supply to accommodate the increase in development that is projected to occur in Pressure Zone 7. The construction of this project will provide WVWD with increased circulation of water by connection the existing 18" transmission main on Lytle Creek Road and to the future 18" transmission main connection on Citrus Avenue as part of a planned tract development that has been analyzed in a separate CEQA document. The transmission main will give WVWD the ability to gravity flow water through the proposed transmission main from one side of the I-15 to the other side. The volume capacity of the transmission main once constructed will be approximately 7,649 gallons per day (gpd). The impacts of delivering this volume of water were analyzed in the WVWD 2020 Water Facilities Master Plan and the environmental impacts have been identified by the CEQA document prepared for the tract home development that will be served by the project (the Monarch Hills Residential Development; State Clearinghouse Number [SCH#] 2016101065); the District determined that capacity would be available to support the demand created by the development the proposed transmission main would serve. As such, the installation of the proposed transmission main would have a less than significant potential to substantially decrease groundwater supplies or interfere substantially with groundwater recharge such the project may impede sustainable groundwater management of the basin.
- c. *No Impact* – Please refer to the discussion under XIX(a) above. The operation of the transmission main will not require installation of restroom facilities or connection to the local wastewater treatment collection system; construction will require portable toilets that will be handled by the contractor. As such, given that the proposed transmission main will not require any new connection to wastewater

treatment services, it is not anticipated that the project would result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments. No impacts under this issue are anticipated.

- d&e. *Less Than Significant With Mitigation Incorporated* – The project will generate construction waste from the removal of asphalt, concrete, and similar materials. The inert wastes can be disposed of at existing municipal or construction solid waste facilities, which have adequate capacity to accept inert wastes generated by this project, or can be recycled. Any construction and demolition (C&D) waste will be recycled to the maximum extent feasible and any residual materials will be delivered to one of several C&D disposal sites in the area surrounding the project site. Many of these C&D materials can be reused or recycled, thus prolonging our supply of natural resources and potentially saving money in the process.

In accordance with CALGreen Code 5.408.4, 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing must be reused or recycled. As this is a mandatory requirement, no mitigation is required to ensure compliance by WVWD for this project.

Because of increased construction recycling efforts resulting from CalGreen and other regulations, opportunities for construction recycling are becoming easier to find, such as one in Fontana that accepts a wide range of construction and demolition debris materials: Asphalt, Concrete, Brick, Concrete with Rebar, Mixed Loads, Rock, Roof Tile, Cardboard, Wood, Metals, Dirt, and Appliances. There are additional facilities that accept C&D materials located in the surrounding areas<sup>10</sup> including facilities in Mira Loma and Rialto.

The facilities that accept C&D materials, combined with the landfills in the surrounding area, have adequate capacity to serve the proposed project. Solid waste will be disposed of in accordance with existing regulations at an existing licensed landfill. The project will not conflict with any state, federal, or local regulations regarding solid waste.

The San Bernardino Countywide Plan identifies landfills that serve the planning area. The San Timoteo Sanitary Landfill and Mid-Valley Sanitary Landfill serve the project area. The San Timoteo Sanitary Landfill has a maximum permitted daily capacity of 2,000 tons per day, with a permitted capacity of 20,400,000 cubic yards (CY), with 11,402,000 CY of capacity remaining. The Mid-Valley Sanitary Landfill has a maximum permitted daily capacity of 7,500 tons per day, with a permitted capacity of 101,300,000 CY, with 67,520,000 CY of capacity remaining. The County anticipates an increase in solid waste generation of 5,979,355 pounds per day at Build-Out of the Countywide Plan.

The above landfills permit thousands of tons of waste per day, which is beyond what the expected amount of waste would be generated by the proposed transmission main during construction. Furthermore, the proposed project is not anticipated to generate any operational waste as the project will install the transmission main below ground. As such, the proposed project would comply with all federal, State, and local statutes related to solid waste disposal.

Any hazardous materials collected within the project footprint during either construction or operation of the project will be transported and disposed of by a permitted and licensed hazardous materials service provider. Therefore, the project is expected to comply with all regulations related to solid waste under federal, state, and local statutes. To further reduce potential impacts to solid waste facilities due to the scale of the materials that may require disposal or recycling, the following mitigation measure will be implemented:

**UTIL-1** *The contract with demolition and construction contractors shall include the requirement that all materials that can be recycled shall be salvaged and recycled. This includes, but is not limited to, wood, metals, concrete, road*

<sup>10</sup> [https://cms.sbcounty.gov/Portals/50/solidwaste/CandD\\_Recycling\\_Guide.pzdf?ver=2015-06-10-130931-247](https://cms.sbcounty.gov/Portals/50/solidwaste/CandD_Recycling_Guide.pzdf?ver=2015-06-10-130931-247)

***base, and asphalt. The contractor shall submit a recycling plan to WVWD for review and approval prior to the start of demolition/construction activities to accomplish this objective.***

Therefore, with the above mitigation measure, the project is expected to comply with all regulations related to solid waste under federal, state, and local statutes and be served by a landfill(s) with sufficient permitted capacity to accommodate the project's solid waste disposal needs. No further mitigation is necessary.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XX. WILDFIRE:</b> If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

- a. *Less Than Significant Impact* – The proposed project area is an area susceptible to wildland fires, and is located within an area delineated as a Very High Fire Hazard Severity Zone (VHFHSZ) in a State Responsibility Area (SRA) and a Local Responsibility Area (LRA) shown on Figures IX-3 and IX-4. As stated under Section XVII, Transportation under issue (d), there is an emergency evacuation route located adjacent to the project, the I-15 has been delineated as such on the Evacuation Route map provided as Figure XVII-1. The proposed project is not located along this emergency route, nor would implementation of the project impede emergency response from accessing the site or surrounding area. As stated under issue XVIII(c), the proposed project would install a transmission main below ground. Pipelines and transmission mains are not susceptible to wildfire hazards and the development of the proposed pipeline will not increase the risk of wildland fires to nearby residences and structures. Furthermore, the potential for loss of life during construction is considered lessened because the proposed project site is located in an area with an emergency route that leads away from the project area, I-15, as well as access to Lytle Creek Road and Citrus Avenue, which ultimately lead away from the fire hazard zones when traveling south of the project site. Based on past experience with wildfires in the area, the Valley Region does not experience the same level of wildfire hazards as do the mountain areas where fuel loads are greater, and as such, this part of the project area can be successfully evacuated and life preserved, even if property is damaged. The transmission main, however, would remain functional in the event of a wildland fire, as it will operate belowground. Though the project is located within a very high fire hazard severity zone within an SRA and LRA, impacts to emergency response and/or emergency evacuation plans are considered less than significant.
- b. *Less Than Significant Impact* – The proposed project is located within a vacant site between Lytle Creek Road and Citrus Avenue, with a section of the transmission main boring under the I-15 freeway; it is located in a relatively hilly area due to its location adjacent to the San Gabriel Mountains. The project site is slopes gently from north to south, with the entirety of the project to be installed belowground. The proposed project is located in a sparsely developed area with urban development located within close proximity to the project site; there are nearby areas that remain undeveloped or contain native vegetation. Once in operation, the proposed project will consist of a transmission main



that will operate below ground. The proposed project will remove aboveground vegetation where the trenching and pipeline installation will be installed, thereby minimizing the potential fire risks within this site. Given that, based on past experience with wildfires in the area, this area can be successfully evacuated and life preserved due to the availability of evacuation routes, and that the entirety of the pipeline will operate below ground with no occupied structures being developed, there is a less than significant potential for the proposed project to expose persons to pollutant concentrations from a wildfire or the uncontrolled spread of wildfire. Therefore, impacts under this issue are considered less than significant. No mitigation is required.

- c. *Less Than Significant With Mitigation Incorporated* – The project will install water transmission infrastructure in the form of a new 650 LF transmission main belowground. As stated above, the project will require removal of vegetation located within the project footprint to enable trenching and installation of the proposed pipeline. However, the project will be required to implement the following mitigation measure, which would minimize fire risk during activities that would utilize electric equipment by requiring construction crews to carry fire prevention equipment during activities involving electrical equipment.

**WF-1** *During site clearing within the project site when any electrical construction equipment is in use, the construction crew shall have fire prevention equipment (such as fire extinguishers, emergency sand bags, etc.) to put out any accidental fires that could result from the use of construction/maintenance equipment.*

The proposed project would not result in any ongoing impacts to the environment that would exacerbate fire risk as the proposed project would operate belowground. Therefore, with the implementation of MM **WF-1** above, the project would not have a significant potential to exacerbate fire risk or that may result in temporary or ongoing impacts to the environment. Impacts under this issue are considered less than significant.

- d. *Less Than Significant Impact* – The proposed project is located within a site that slopes slightly from north to south. The discussion under Section VII, Geology and Soils, concluded that the project would not have a significant potential to experience landslides or slope instability, particularly given that this project area has not been delineated as containing potential for landslides or slope instability by the San Bernardino Countywide Plan and that the entirety of the project would be installed belowground. The proposed project is located in an area that has not been historically subject to flooding. Furthermore, given that the roadways within which the pipeline will be installed will be returned to their original condition upon completion of the installation of the transmission main, as will the area of compacted dirt within which a portion of the alignment will be installed, the pervious area on the surface of the transmission main alignment would only marginally change. Furthermore, the transmission main would remain functional in the event of a wildland fire, as it will operate belowground, should downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage change occur on the surface above which the transmission mains are installed. As such, the development of the 18-Inch Transmission Main Installation Project at this site is anticipated to have a less than significant potential to expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact or Does Not Apply
<b>XXI. MANDATORY FINDINGS OF SIGNIFICANCE:</b>				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SUBSTANTIATION

The analysis in this Initial Study and the findings reached indicate that the proposed project can be implemented without causing any new project specific or cumulatively considerable unavoidable significant adverse environmental impacts. Mitigation is required to control potential environmental impacts of the proposed project to a less than significant impact level. The following findings are based on the detailed analysis of the Initial Study of all environmental topics and the implementation of the mitigation measures identified in the previous text and summarized in this section.

- a. *Less Than Significant With Mitigation Incorporated* – The project has no potential to cause a significant impact any biological or cultural resources. The project has been identified as having no potential to degrade the quality of the natural environment, substantially reduce habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal. The project requires mitigation to prevent significant impacts from occurring as a result of implementation of the project, including mitigation to protect burrowing owl and nesting birds. Based on the historic disturbance of the site, and its current disturbed condition, the potential for impacting cultural resources is low. Based on the past disturbance of the project footprint, it has been determined that no cultural resources of importance are anticipated to occur within the pipeline alignment, so it is not anticipated that any resources could be affected by the project because no cultural resources exist. However, because it is not known what could be unearthed upon any excavation activities, contingency mitigation measures are provided to ensure that, in the unlikely event that any resources are found, they are protected from any potential significant adverse impacts. Please see biological and cultural sections of this Initial Study.
- b. *Less Than Significant With Mitigation Incorporated* – Based on the analysis in this Initial Study, the proposed 18-Inch Transmission Main Installation Project has the potential to cause impacts that are individually or cumulatively considerable. While there may be cumulatively significant impacts under various issues discussed in this Initial Study as a result of cumulative projects, the proposed project's contribution to such impacts would not be cumulatively considerable. Furthermore, the provision of

additional water transmission main is generally viewed as a benefit to the community. The issues of Air Quality, Biological Resources, Cultural Resources, Energy, Geology and Soils, Hazards and Hazardous Materials, Hydrology and Water Quality, Noise, Transportation, Tribal Cultural Resources, Utilities and Service Systems, and Wildfire require the implementation of mitigation measures to reduce impacts to a less than significant level and ensure that cumulative effects are not cumulatively considerable. All other environmental issues were found to have no significant impacts without implementation of mitigation. The potential cumulative environmental effects of implementing the proposed project have been determined to be less than considerable and thus, less than significant impacts.

- c. *Less Than Significant With Mitigation Incorporated* – The project will achieve long-term community goals by providing additional capacity for transmission of water, which would serve existing, planned, and future uses within WVWD's service area. The short-term impacts associated with the project, which are mainly construction-related impacts, are less than significant with mitigation, and the proposed project is compatible with long-term environmental protection. The issues of Air Quality, Geology and Soils, Hazards and Hazardous Materials, Noise, and Wildfire require the implementation of mitigation measures to reduce human impacts to a less than significant level. All other environmental issues were found to have no significant impacts on humans without implementation of mitigation. The potential for direct human effects from implementing the proposed project have been determined to be less than significant.

### Conclusion

This document evaluated all CEQA issues contained in the Initial Study Checklist form. The evaluation determined that either no impact or less than significant impacts would be associated with the issues of Aesthetics, Agricultural and Forestry Resources, Greenhouse Gas Emissions, Land Use and Planning, Mineral Resources, Population/Housing, Public Services, and Recreation. The issues of Air Quality, Biology, Cultural Resources, Energy, Geology and Soils, Hazards and Hazardous Materials, Hydrology and Water Quality, Noise, Transportation, Tribal Cultural Resources, Utilities and Service Systems, and Wildfire require the implementation of mitigation measures to reduce impacts to a less than significant level. The required mitigation has been proposed in this Initial Study to reduce impacts for these issues to a less than significant impact and will be implemented by the District.

Based on the findings in this Initial Study, West Valley Water District (WVWD or District) proposes to adopt a Mitigated Negative Declaration (MND) for the West Valley Water District 18-Inch Transmission Main Installation Project. A Notice of Intent to Adopt a Mitigated Negative Declaration (NOI) will be issued for this project by the District. The Initial Study and NOI will be circulated for 30 days of public comment because this project does involve state agencies as either a responsible or trustee agency. At the end of the 30-day review period, a final MND package will be prepared and it will be reviewed and considered by the District. WVWD will hold a future hearing for project adoption at their offices, the date for which has not yet been schedule. If you or your agency comments on the MND/NOI for this project, you will be notified about the meeting date in accordance with the requirements in Section 21092.5 of CEQA (statute).

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Note: Authority cited: Sections 21083 and 21083.05, Public Resources Code. Reference: Section 65088.4, Gov. Code; Sections 21080(c), 21080.1, 21080.3, 21083, 21083.05, 21083.3, 21093, 21094, 21095, and 21151, Public Resources Code; *Sundstrom v. County of Mendocino*, (1988) 202 Cal.App.3d 296; *Leonoff v. Monterey Board of Supervisors*, (1990) 222 Cal.App.3d 1337; *Eureka Citizens for Responsible Govt. v. City of Eureka* (2007) 147 Cal.App.4th 357; *Protect the Historic Amador Waterways v. Amador Water Agency* (2004) 116 Cal.App.4th at 1109; *San Franciscans Upholding the Downtown Plan v. City and County of San Francisco* (2002) 102 Cal.App.4th 656.

Revised 2019

Authority: Public Resources Code sections 21083 and 21083.09

Reference: Public Resources Code sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3/ 21084.2 and 21084.3

## **SUMMARY OF MITIGATION MEASURES**

### **Air Quality**

- AQ-1 Fugitive Dust Control. The following measures shall be incorporated into project plans and specifications for implementation during construction:
- Apply soil stabilizers to inactive areas.
  - Prepare a high wind dust control plan and implement plan elements and terminate soil disturbance when winds exceed 25 mph.
  - Stabilize previously disturbed areas if subsequent construction is delayed.
  - Apply water to disturbed surfaces 3 times/day.
  - Replace ground cover in disturbed areas quickly.
  - Reduce speeds on unpaved roads to less than 15 mph.
  - Trenches shall be left exposed for as short a time as possible.
  - Identify proper compaction for backfilled soils in construction specifications.
- AQ-2 Exhaust Emissions Control. The following measures shall be incorporated into Project plans and specifications for implementation:
- Utilize off-road construction equipment that has met or exceeded the maker's recommendations for vehicle/equipment maintenance schedule.
  - Contactors shall utilize Tier 4 or better heavy equipment.
  - Enforce 5-minute idling limits for both on-road trucks and off-road equipment.

### **Biological Resources**

- BIO-1 Preconstruction presence/absence surveys for burrowing owl shall be conducted no more than 3 days prior to any onsite ground disturbing activity by a qualified biologist, including prior to each phase of new ground disturbance. The burrowing owl surveys shall be conducted pursuant to the recommendations and guidelines established by the California Department of Fish and Wildlife in the "California Department of Fish and Wildlife 2012 Staff Report on Burrowing Owl Mitigation." In the event this species is not identified within the project limits, no further mitigation is required, and a letter shall be prepared by the qualified biologist documenting the results of the survey. The letter shall be submitted to CDFW prior to commencement of project activities. If during the preconstruction survey, the burrowing owl is found to occupy the site, Mitigation Measure BIO-2 shall be required.
- BIO-2 If burrowing owls are identified during the survey period, the District shall take the following actions to offset impacts prior to ground disturbance:

The District shall notify CDFW within three business days of determining that a burrowing owl is occupying the site to discuss the observed location, activities and behavior of the burrowing owl(s) and appropriate avoidance and minimization measures.

Active nests within the areas scheduled for disturbance or degradation shall be avoided until fledging has occurred, as confirmed by a qualified biologist. Following fledging, owls may be passively relocated by a qualified biologist, as described below.

If impacts on occupied burrows are unavoidable, onsite passive relocation techniques may be used if approved by the CDFW to encourage owls to move to alternative burrows provided by the District outside of the impact area.

If relocation of the owls is approved for the site by CDFW, CDFW shall require the District to hire a qualified biologist to prepare a plan for relocating the owls to a suitable site and conduct an impact assessment. A qualified biologist shall prepare and submit a passive relocation program in accordance with Appendix E (i.e., Example Components for Burrowing Owl Artificial Burrow

and Exclusion Plans) of the 2012 Staff Report on Burrowing Owl Mitigation (CDFG 2012) to the CDFW for review/approval prior to the commencement of disturbance activities onsite.

The relocation plan must include all of the following and as indicated in Appendix E:

- The location of the nest and owls proposed for relocation.
- The location of the proposed relocation site.
- The number of owls involved and the time of year when the relocation is proposed to take place.
- The name and credentials of the biologist who will be retained to supervise the relocation.
- The proposed method of capture and transport for the owls to the new site.
- A description of site preparation at the relocation site (e.g., enhancement of existing burrows, creation of artificial burrows, one-time or long-term vegetation control).

The District shall conduct an impact assessment, in accordance with the Staff Report on Burrowing Owl Mitigation prior to commencing project activities to determine appropriate mitigation, including the acquisition and conservation of occupied replacement habitat at no less than a 2:1 ratio.

Prior to passive relocation, suitable replacement burrows site(s) shall be provided at a ratio of 2:1 and permanent conservation and management of burrowing owl habitat such that the habitat acreage, number of burrows and burrowing owl impacts are replaced consistent with the Staff Report on Burrowing Owl Mitigation including its Appendix A within designated adjacent conserved lands identified through coordination with CDFW and the District. A qualified biologist shall confirm the natural or artificial burrows on the conservation lands are suitable for use by the owls. Monitoring and management of the replacement burrow site(s) shall be conducted and a reporting plan shall be prepared. The objective shall be to manage the replacement burrow sites for the benefit of burrowing owls (e.g., minimizing weed cover), with the specific goal of maintaining the functionality of the burrows for a minimum of 2 years.

A final letter report shall be prepared by the qualified biologist documenting the results of the passive relocation. The letter shall be submitted to CDFW.

- BIO-3 Nesting bird surveys shall be conducted by a qualified avian biologist no more than three (3) days prior to vegetation clearing or ground disturbance activities. Preconstruction surveys shall focus on both direct and indirect evidence of nesting, including nest locations and nesting behavior. The qualified avian biologist will make every effort to avoid potential nest predation as a result of survey and monitoring efforts. If active nests are found during the preconstruction nesting bird surveys, a Nesting Bird Plan (NBP) shall be prepared and implemented by the qualified avian biologist. At a minimum, the NBP shall include guidelines for addressing active nests, establishing buffers, ongoing monitoring, establishment of avoidance and minimization measures, and reporting. The size and location of all buffer zones, if required, shall be based on the nesting species, individual/pair's behavior, nesting stage, nest location, its sensitivity to disturbance, and intensity and duration of the disturbance activity. To avoid impacts to nesting birds, any grubbing or vegetation removal should occur outside peak breeding season (typically February 1 through September 1).

### **Cultural Resources**

- CUL-1 Should any cultural resources be encountered during construction of these facilities, earthmoving or grading activities in the immediate area of the finds shall be halted and an onsite inspection shall be performed immediately by a qualified archaeologist. Responsibility for making this determination shall be with the District. The archaeological professional shall assess the find, determine its significance, and make recommendations for appropriate mitigation measures within the guidelines of the California Environmental Quality Act.

CUL-2 Archaeological Monitoring

Due to the heightened cultural sensitivity of the proposed project area, an archaeological monitor with at least 3 years of regional experience in archaeology shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of archaeological monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist and submitted to the District for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and approve the plan, it shall be adopted by the District – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.

**Geology and Soils**

- GEO-1 Stored backfill material shall be covered with water resistant material during periods of heavy precipitation to reduce the potential for rainfall erosion of stored backfill material. Where covering is not possible, measures such as the use of straw bales or sand bags shall be used to capture and hold eroded material on the Project site for future cleanup such that erosion does not occur.
- GEO-2 Excavated areas shall be backfilled and compacted such that erosion does not occur. Paved areas disturbed by this project shall be repaved in such a manner that roadways and other disturbed areas are returned to the pre-project conditions or better.
- GEO-3 All exposed, disturbed soil (trenches, stored backfill, etc.) will be sprayed with water or soil binders twice a day or more frequently if fugitive dust is observed migrating from the site within which the pipelines are being installed.
- GEO-4 The length of trench which can be left open at any given time will be limited to that needed to reasonably perform construction activities. This will serve to reduce the amount of backfill stored onsite at any given time.
- GEO-5 Based upon the geotechnical investigation (Appendix 4a of this document), all of the recommended design and construction measures identified in Appendix 4a (listed on Pages 4-7) shall be implemented by the District. Implementation of these specific measures will address all of the identified geotechnical constraints identified at project site, including soil stability on future project-related structures.
- GEO-6 Should any paleontological resources be accidentally encountered during construction of these facilities, earthmoving or grading activities in the immediate area of the finds shall be halted and an onsite inspection should be performed immediately by a qualified paleontologist. Responsibility for making this determination shall be with WVWD's onsite inspector. The paleontological professional shall assess the find, determine its significance, and determine appropriate mitigation measures within the guidelines of the California Environmental Quality Act that shall be implemented to minimize any impacts to a paleontological resource.

### Hazards and Hazardous Materials

HAZ-1 All spills or leakage of petroleum products during construction activities will be remediated in compliance with applicable state and local regulations regarding cleanup and disposal of the contaminant released. The contaminated waste will be collected and disposed of at an appropriately licensed disposal or treatment facility.

### Hydrology and Water Quality

HYD-1 The District shall require that the construction contractor to implement specific Best Management Practices (BMPs) that will prevent all construction pollutants from contacting stormwater and with the intent of keeping all products of erosion from moving offsite into receiving waters. These practices shall include a Plan that identifies the methods of containing, cleanup, transport and proper disposal of hazardous chemicals or materials released during construction activities that are compatible with applicable laws and regulations. BMPs to be implemented by the District include the following:

- The use of silt fences or coir rolls;
- The use of temporary stormwater desilting or retention basins;
- The use of water bars to reduce the velocity of stormwater runoff;
- The use of wheel washers on construction equipment leaving the site;
- The washing of silt from public roads at the access point to the site to prevent the tracking of silt and other pollutants from the site onto public roads;
- The storage of excavated material shall be kept to the minimum necessary to efficiently perform the construction activities required. Excavated or stockpiled material shall not be stored in water courses or other areas subject to the flow of surface water; and
- Where feasible, stockpiled material shall be covered with waterproof material during rain events to control erosion of soil from the stockpiles.

### Noise

NOI-1 All construction vehicles and fixed or mobile equipment shall be equipped with operating and maintained mufflers.

NOI-2 All employees that will be exposed to noise levels greater than 75 dB over an 8-hour period shall be provided adequate hearing protection devices to ensure no hearing damage will result from construction activities.

NOI-3 No construction activities shall occur during the hours of 6 PM through 7 AM, Monday through Friday, or 5 PM through 8 AM on Saturdays for temporary construction noise sources or 5 PM through 9 AM for mobile noise sources during construction and at no time shall construction activities occur on Sundays or holidays, except in case of urgent necessity in the interest of public health and safety, and then only with a permit from the building inspector.

NOI-4 Equipment not in use for five minutes shall be shut off.

NOI-5 Equipment shall be maintained and operated such that loads are secured from rattling or banging.

NOI-6 Construction employees shall be trained in the proper operation and use of equipment consistent with these mitigation measures, including no unnecessary revving of equipment.

NOI-7 WVWD will require that all construction equipment be operated with mandated noise control equipment (mufflers or silencers). Enforcement will be accomplished by random field inspections by WVWD.

**Transportation**

- TRAN-1 WVWD shall require that contractors prepare a construction traffic control plan. Elements of the plan should include, but are not necessarily limited to, the following:
- Develop circulation and detour plans, if necessary, to minimize impacts to local street circulation. Use haul routes minimizing truck traffic on local roadways to the extent possible.
  - To the extent feasible, and as needed to avoid adverse impacts on traffic flow, schedule truck trips outside of peak morning and evening commute hours.
  - Install traffic control devices as specified in Caltrans' Manual of Traffic Controls for Construction and Maintenance Work Zones where needed to maintain safe driving conditions. Use flaggers and/or signage to safely direct traffic through construction work zones.
  - For roadways requiring lane closures that would result in a single open lane, maintain alternate one-way traffic flow and utilize flagger-controls.
  - Coordinate with facility owners or administrators of sensitive land uses such as police and fire stations, hospitals, and schools. Provide advance notification to the facility owner or operator of the timing, location, and duration of construction activities.
- TRAN-2 WVWD shall require that all disturbances to public roadways be repaired in a manner that complies with the Standard Specifications for Public Works Construction (green book) or other applicable County of San Bernardino or City of Fontana standard design requirements.

**Tribal Cultural Resources**

- TCR-1 Tribal Monitoring  
Due to the heightened cultural sensitivity of the proposed project area, Tribal monitors representing the San Manuel Band of Mission Indians shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of Tribal monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist, as detailed within CUL-1, and submitted to the District for dissemination to the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI). Once all parties review and agree to the plan, it shall be adopted by the District – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.
- TCR-2 Treatment of Cultural Resources  
If a pre-contact cultural resource is discovered during archaeological presence/absence testing, the discovery shall be properly recorded and then reburied in situ. A research design shall be developed by the archaeologist that shall include a plan to evaluate the resource for significance under CEQA criteria. Representatives from the San Manuel Band of Mission Indians Cultural Resources Department (SMBMI), the archaeologist/applicant, and the Lead Agency shall confer regarding the research design, as well as any testing efforts needed to delineate the resource boundary. Following the completion of evaluation efforts, all parties shall confer regarding the archaeological significance of the resource, its potential as a Tribal Cultural Resource (TCR), avoidance (or other appropriate treatment) of the discovered resource, and the potential need for construction monitoring during project implementation. Should any significant resource and/or TCR not be a candidate for avoidance or preservation in place, and the removal of the resource(s) is necessary to mitigate impacts, the research design shall include a comprehensive discussion



of sampling strategies, resource processing, analysis, and reporting protocols/obligations. Removal of any cultural resource(s) shall be conducted with the presence of a Tribal monitor representing the Tribe, unless otherwise decided by SMBMI. All plans for analysis shall be reviewed and approved by the applicant and SMBMI prior to implementation, and all removed material shall be temporarily curated on-site. It is the preference of SMBMI that removed cultural material be reburied as close to the original find location as possible. However, should reburial within/near the original find location during project implementation not be feasible, then a reburial location for future reburial shall be decided upon by SMBMI and the District, and all finds shall be reburied within this location. Additionally, in this case, reburial shall not occur until all ground-disturbing activities associated with the project have been completed, all monitoring has ceased, all cataloging and basic recordation of cultural resources have been completed, and a final monitoring report has been issued to the District, CHRIS, and SMBMI. All reburials are subject to a reburial agreement that shall be developed between the District and SMBMI outlining the determined reburial process/location, and shall include measures and provisions to protect the reburial area from any future impacts (vis a vis project plans, conservation/preservation easements, etc.).

Should it occur that avoidance, preservation in place, and on-site reburial are not an option for treatment, the landowner shall relinquish all ownership and rights to this material and confer with SMBMI to identify an American Association of Museums (AAM)-accredited facility within the County that can accession the materials into their permanent collections and provide for the proper care of these objects in accordance with the 1993 CA Curation Guidelines. A curation agreement with an appropriate qualified repository shall be developed between the District and museum that legally and physically transfers the collections and associated records to the facility. This agreement shall stipulate the payment of fees necessary for permanent curation of the collections and associated records and the obligation of the Project developer/applicant to pay for those fees.

All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the archaeologist and submitted to the District and SMBMI for their review and comment. After approval from all parties, the final reports and site/isolate records are to be submitted to the local CHRIS Information Center, the District, and SMBMI.

TCR-3 Inadvertent Discoveries of Human Remains/Funerary Objects

In the event that any human remains are discovered within the project area, ground disturbing activities shall be suspended 100 feet around the resource(s) and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. The on-site lead/foreman shall then immediately who shall notify SMBMI, the applicant/developer, and the Lead Agency. The District and the applicant/developer shall then immediately contact the County Coroner regarding the discovery. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c). The NAHC-identified Most Likely Descendant (MLD), shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and funerary objects shall be treated and disposed of with appropriate dignity. The MLD and the District agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes. The MLD shall complete its inspection and make recommendations within forty-eight (48) hours of the site visit, as required by California Public Resources Code § 5097.98.

Reburial of human remains and/or funerary objects (those artifacts associated with any human remains or funerary rites) shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The MLD in consultation with the landowner, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains and funerary objects. All parties are aware that the MLD may wish to rebury the

human remains and associated funerary objects on or near the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The District should accommodate on-site reburial in a location mutually agreed upon by the Parties.

It is understood by all Parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and the District, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r).

### **Utilities and Service Systems**

UTIL-1 The contract with demolition and construction contractors shall include the requirement that all materials that can be recycled shall be salvaged and recycled. This includes, but is not limited to, wood, metals, concrete, road base, and asphalt. The contractor shall submit a recycling plan to WVWD for review and approval prior to the start of demolition/construction activities to accomplish this objective.

### **Wildfire**

WF-1 During site clearing within the project site when any electrical construction equipment is in use, the construction crew shall have fire prevention equipment (such as fire extinguishers, emergency sand bags, etc.) to put out any accidental fires that could result from the use of construction/maintenance equipment.

## REFERENCES

- CRM TECH, "Identification and Evaluation of Historic Properties, West Valley Water District 18-inch Transmission Main Installation Project" dated November 3, 2021
- Giroux & Associates, "Air Quality and GHG Impact Analyses, West Valley Water District Transmission Main Installation Project, San Bernardino County, California" dated July 12, 2021
- Jacobs, "West Valley Water District 18-inch Transmission Main Installation Project, Biological Resources Assessment and Jurisdictional Delineation Report" dated September 2021
- Landmark Geo-Engineers and Geologists, "Geotechnical Report Proposed 18-inch Transmission Main Waterline, Fontana, California" dated April 23, 2021
- Monarch Hills Residential Development Environmental Impact Report (EIR); State Clearinghouse Number [SCH#] 2016101065)
- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Service

## Websites

- <http://countywideplan.com/theplan/>
- <https://www.sce.com/about-us/reliability/meeting-demand>
- [https://soilseries.sc.egov.usda.gov/OSD\\_Docs/T/TUJUNGA.html](https://soilseries.sc.egov.usda.gov/OSD_Docs/T/TUJUNGA.html)
- <https://www.wwd.org/wp-content/uploads/2020/07/2020-Water-Facilities-Master-Plan.pdf>
- <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>
- [https://scag.ca.gov/sites/main/files/file-attachments/unincareasanbernardinocounty\\_0.pdf?1606013790](https://scag.ca.gov/sites/main/files/file-attachments/unincareasanbernardinocounty_0.pdf?1606013790)
- [https://scag.ca.gov/sites/main/files/file-attachments/fontana\\_localprofile.pdf?1606014851](https://scag.ca.gov/sites/main/files/file-attachments/fontana_localprofile.pdf?1606014851)
- [https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial\\_demographics-and-growth-forecast.pdf?1606001579](https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579)
- [https://cms.sbcounty.gov/Portals/50/solidwaste/CandD\\_Recycling\\_Guide.pzdf?ver=2015-06-10-130931-247](https://cms.sbcounty.gov/Portals/50/solidwaste/CandD_Recycling_Guide.pzdf?ver=2015-06-10-130931-247)

**FIGURES**

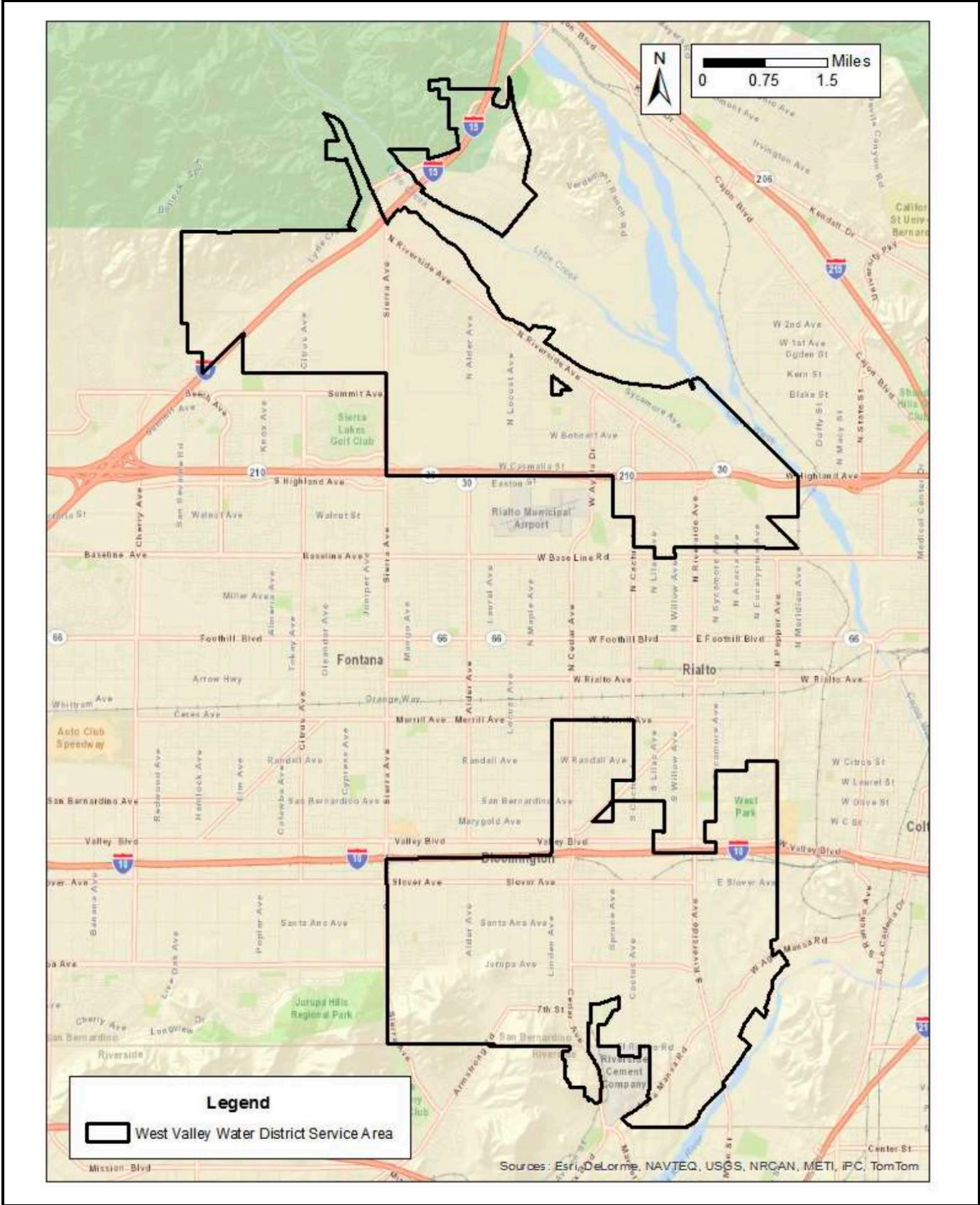


FIGURE 1

**Tom Dodson & Associates**  
Environmental Consultants

**WVWD Service Area**



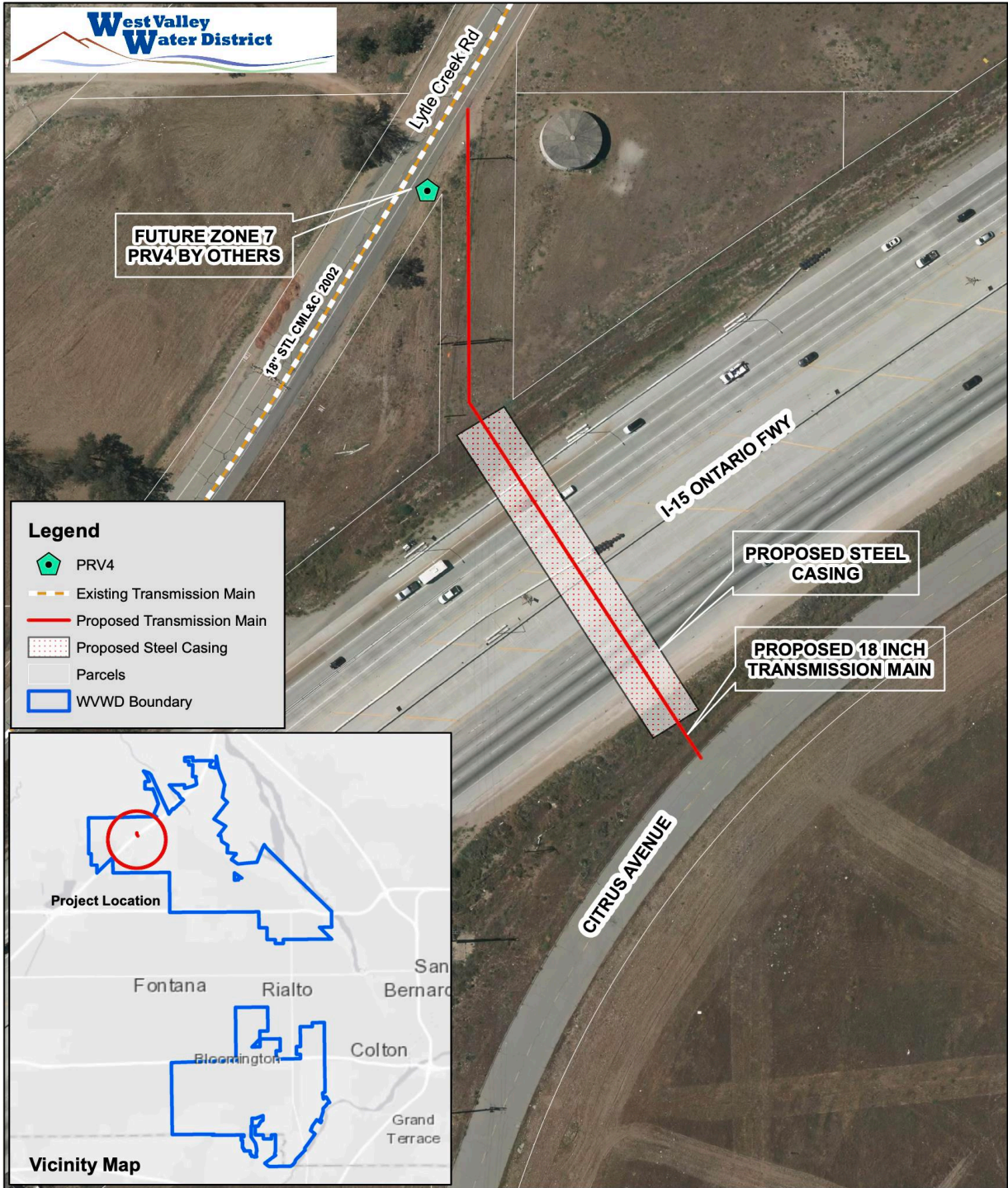
**West Valley Water District Pipeline Transmission Main Installation Project**  
Regional Location Map



**Tom Dodson & Associates**  
Environmental Consultants

**Site Location Map**

**FIGURE 3**



**EXHIBIT A**

*Proposed 18 inch Transmission Main with Steel Casing within Future Right-of-Way from Citrus Avenue to Lytle Creek Rd.*

0 50 100 Feet

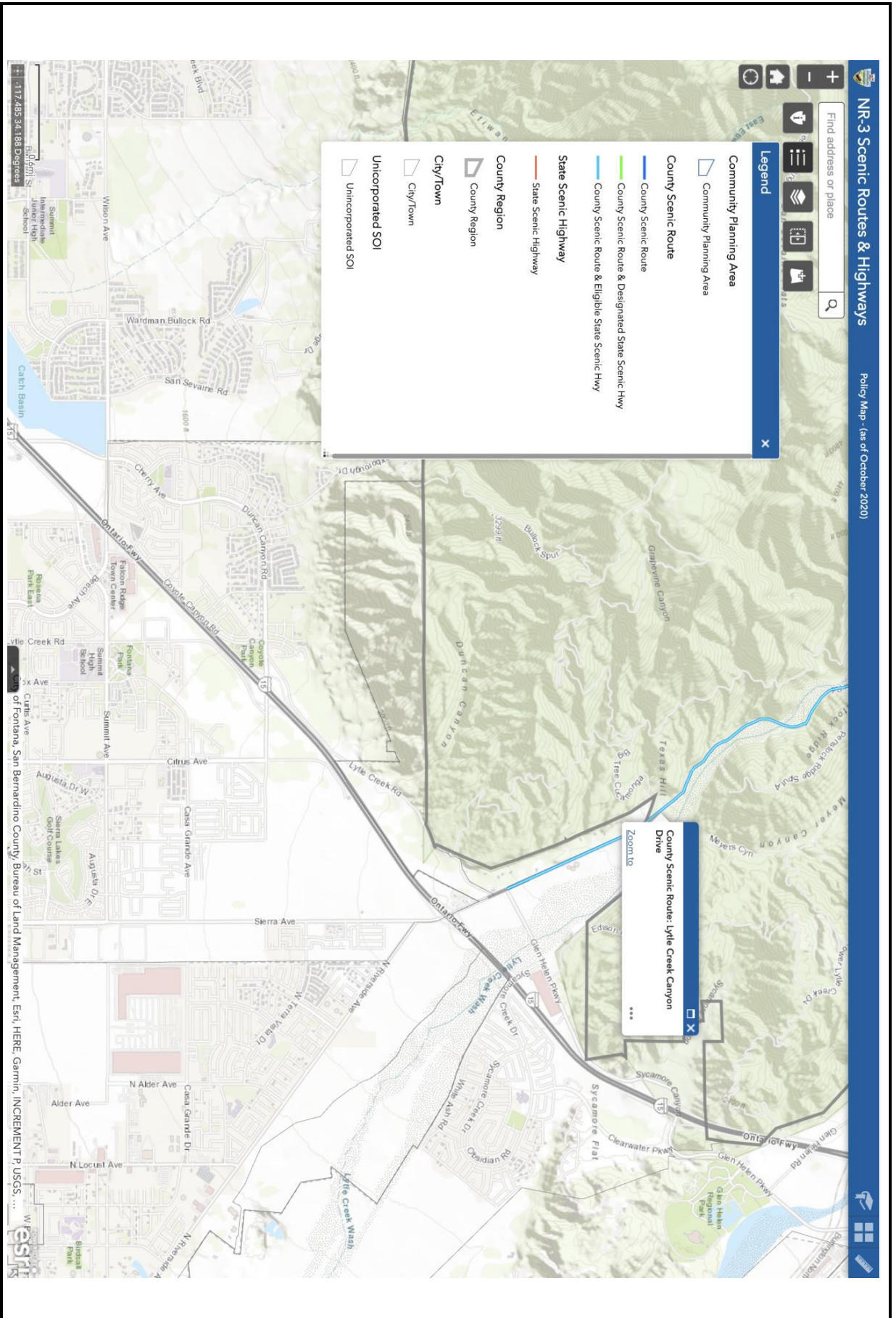
SOURCE: West Valley Water District

FIGURE 4

**Tom Dodson & Associates**  
Environmental Consultants

**Site Plan**





Policy Map - (as of October 2020)

Tom Dodson & Associates  
Environmental Consultants

Scenic Routes and Highways

FIGURE I-1

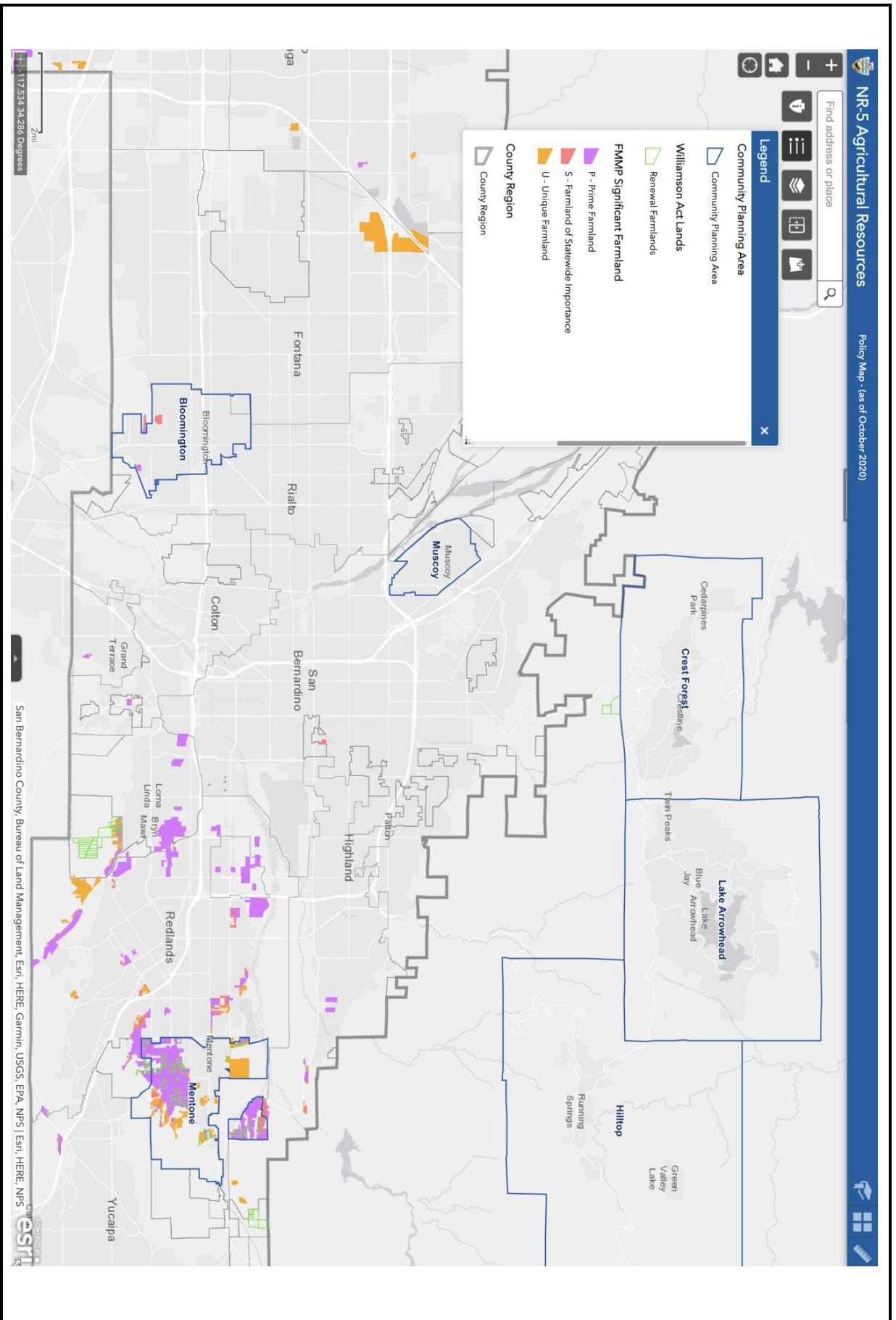
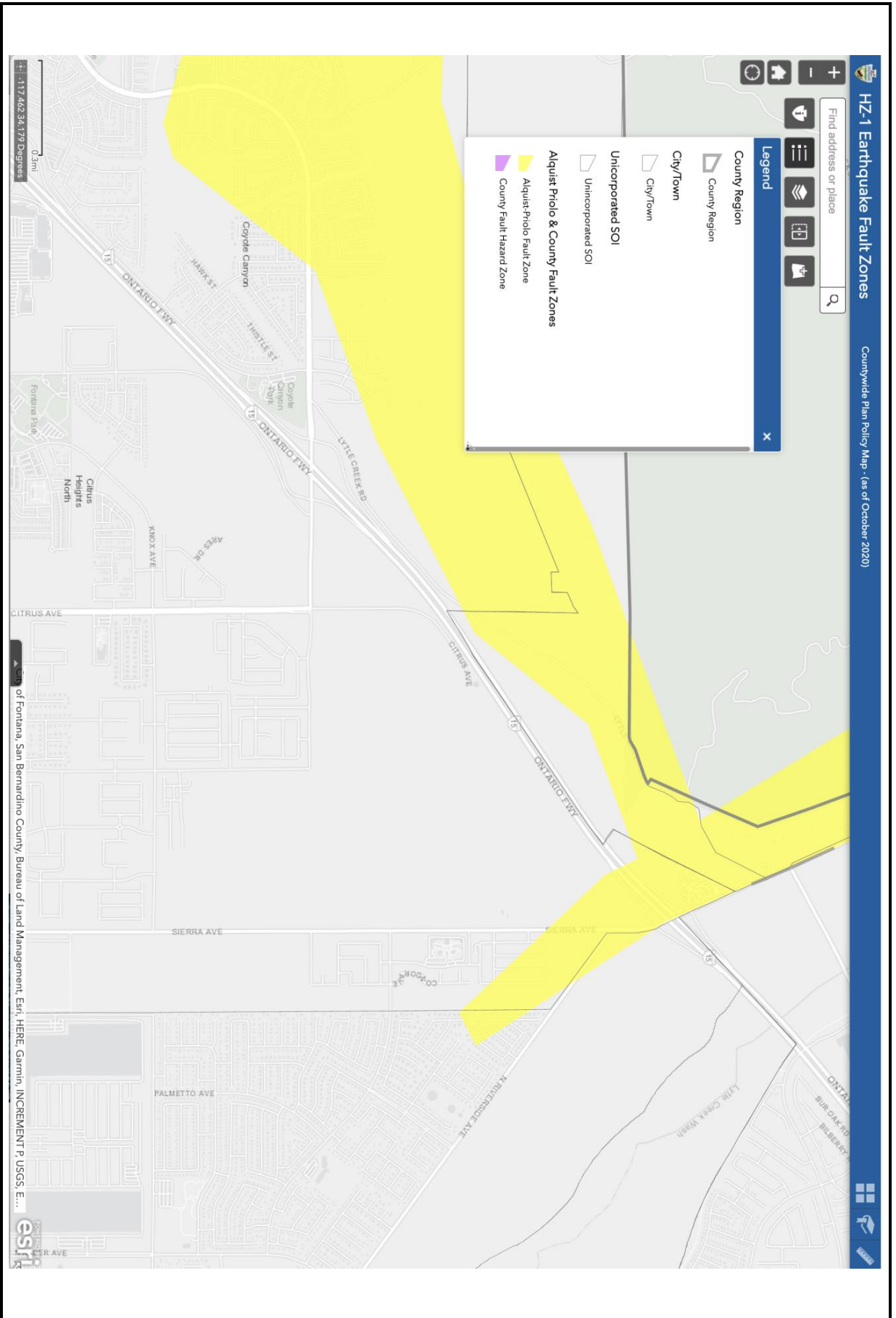


FIGURE II-1

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Agricultural Resources



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Earthquake Fault Zone

FIGURE VII-1





FIGURE IX-1

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GeoTracker

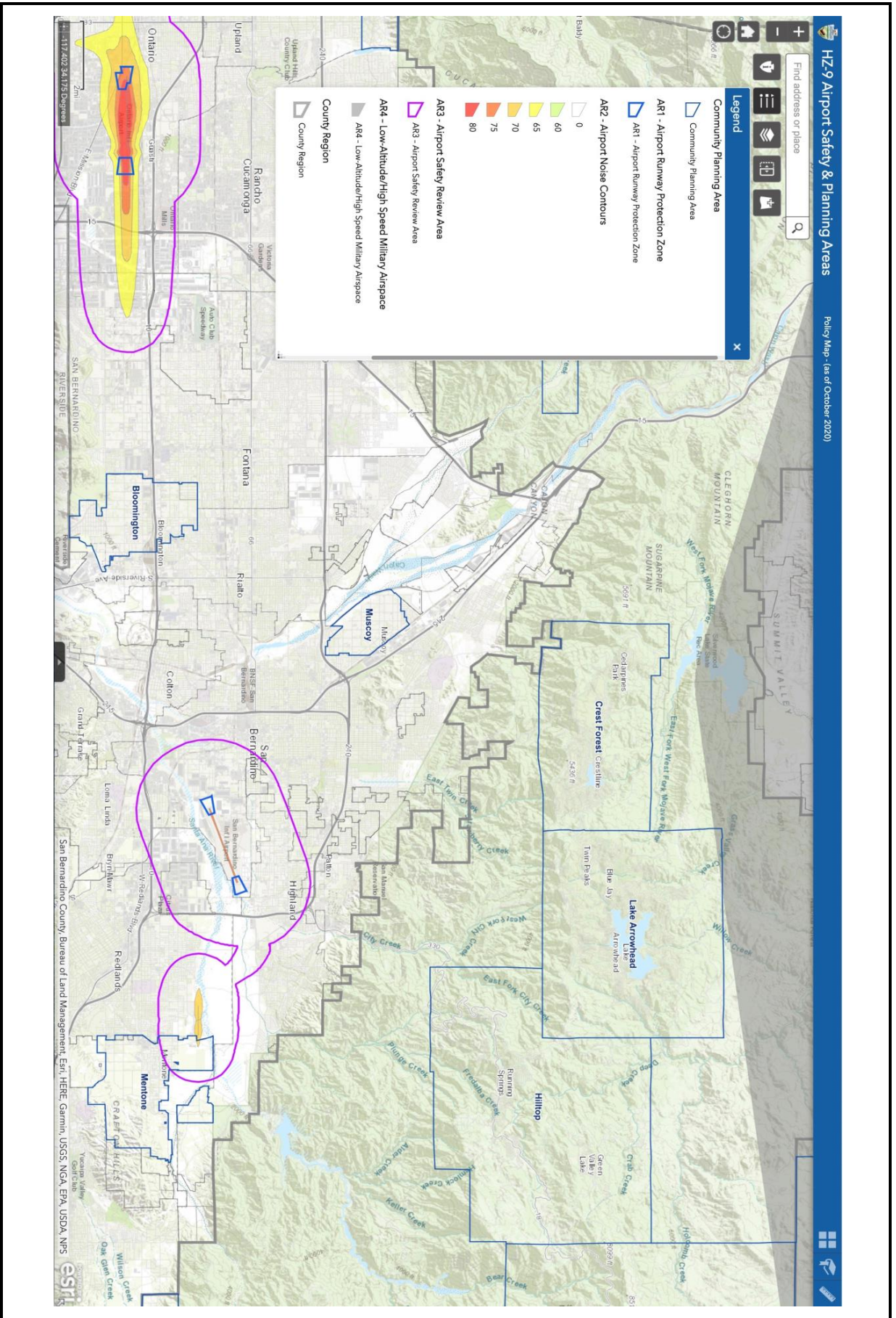
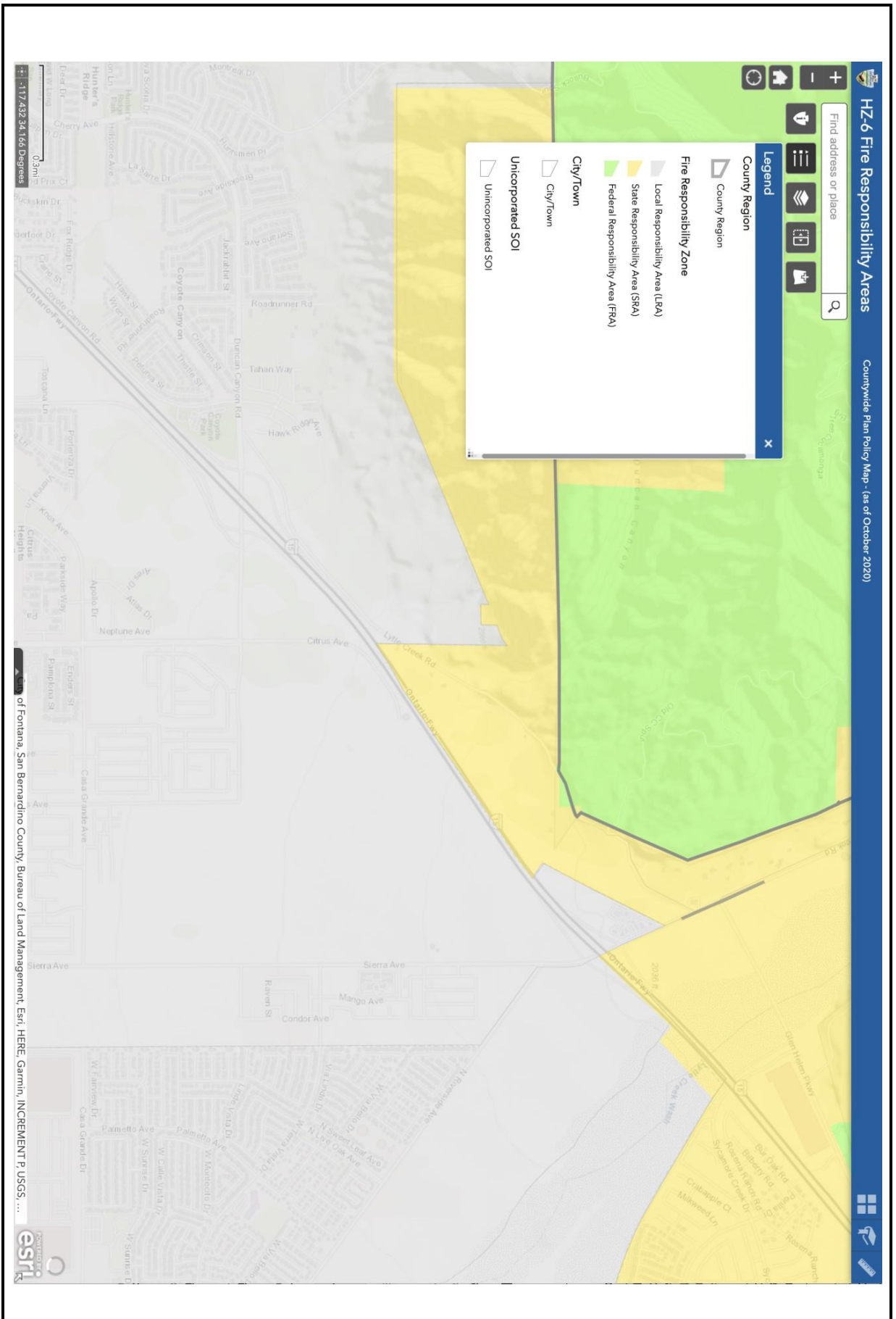


FIGURE IX-2

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Airport Safety & Planning Areas Map





Tom Dodson & Associates  
Environmental Consultants

FIGURE IX-4  
Fire Responsibility Areas



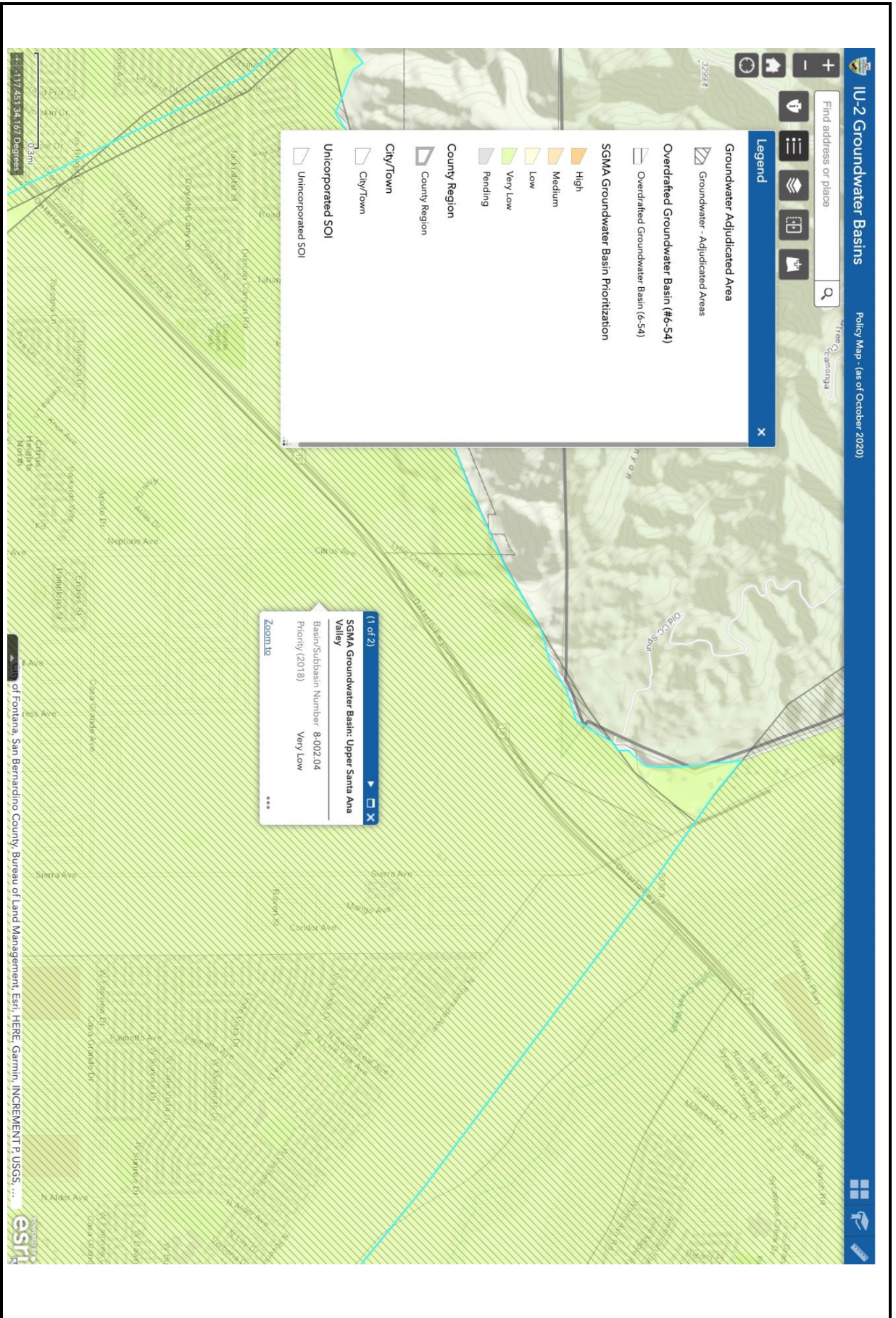
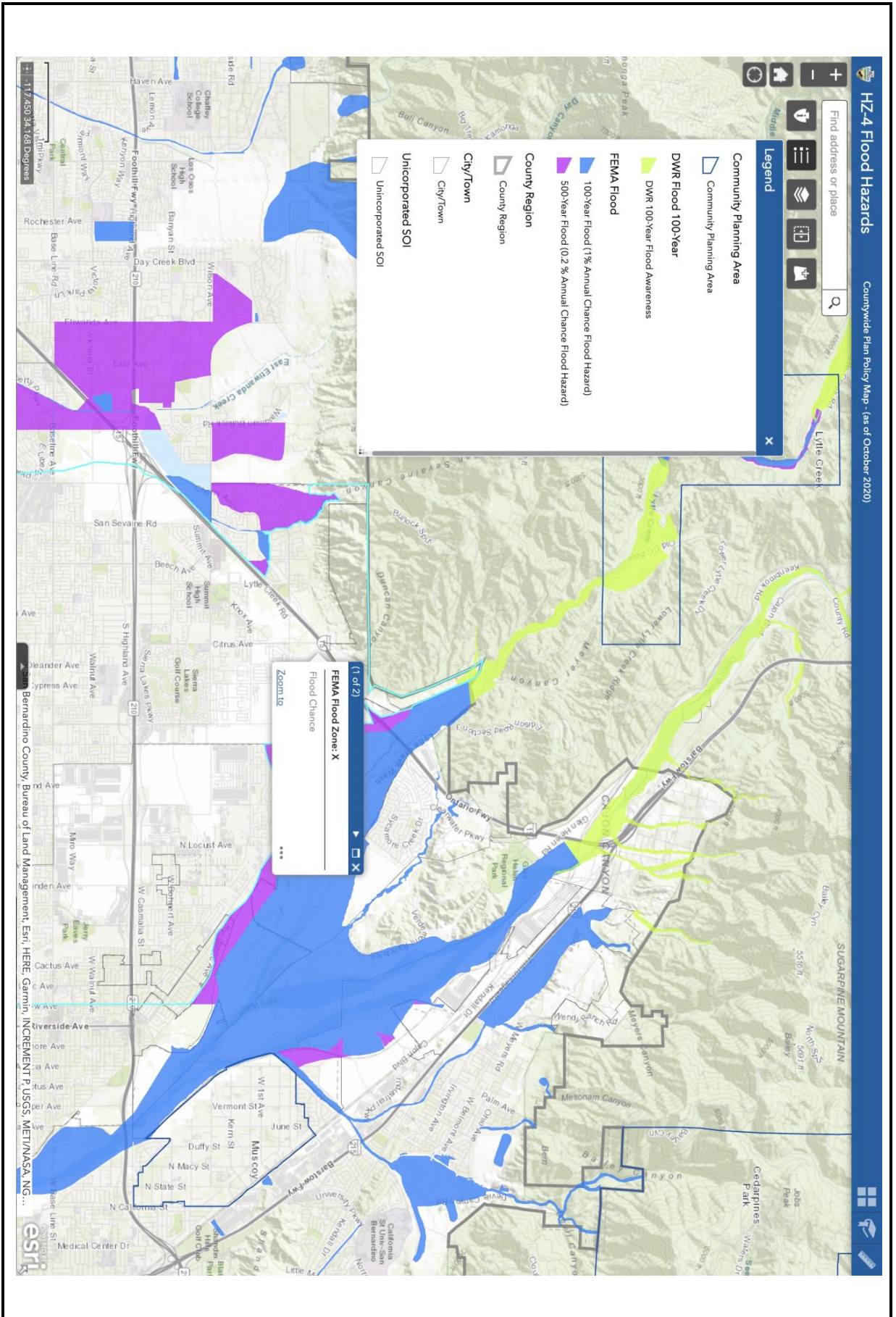


FIGURE X-1

Tom Dodson & Associates  
Environmental Consultants

Groundwater Basin Map



**Tom Dodson & Associates**  
Environmental Consultants

**Flood Hazards**

**FIGURE X-2**

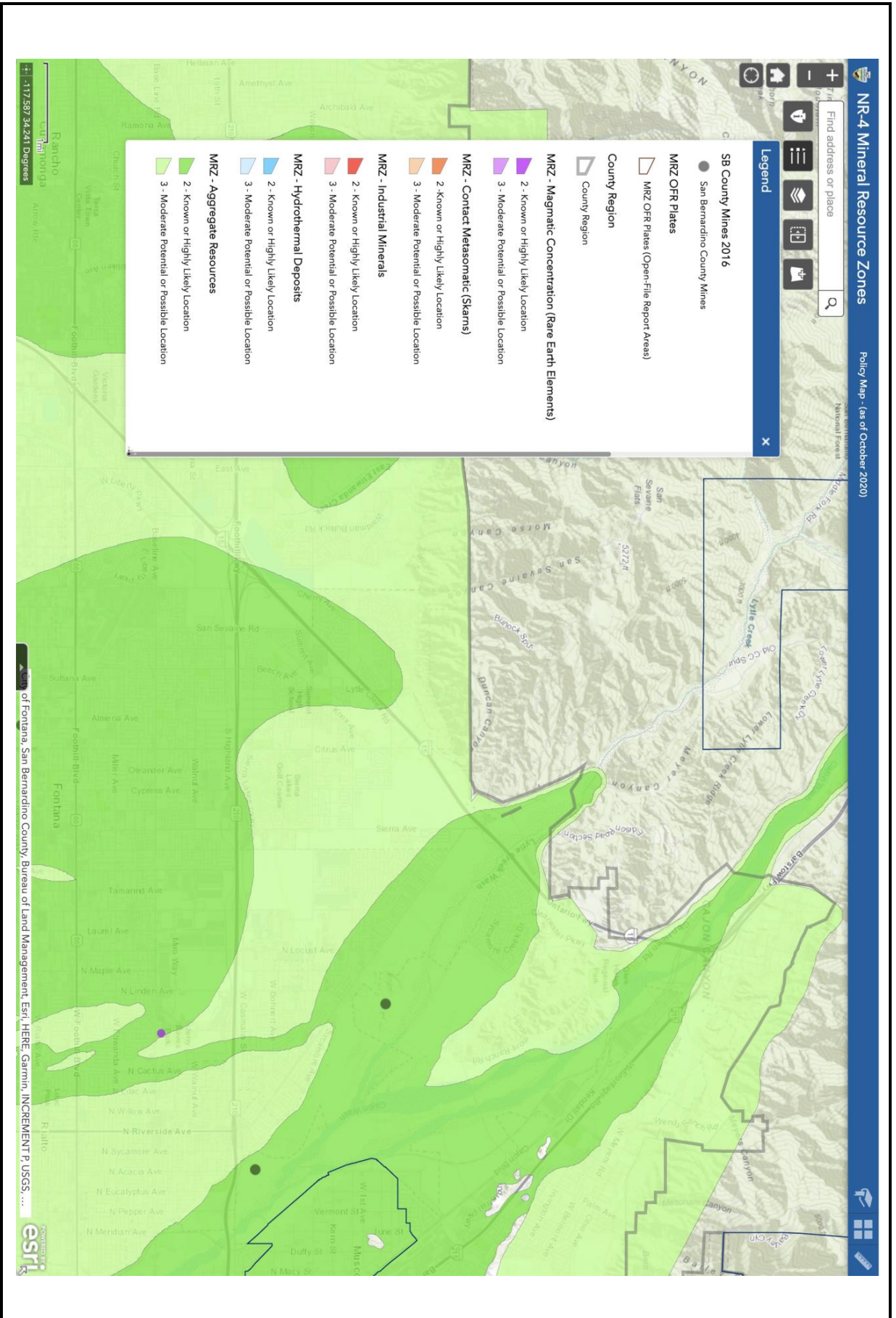
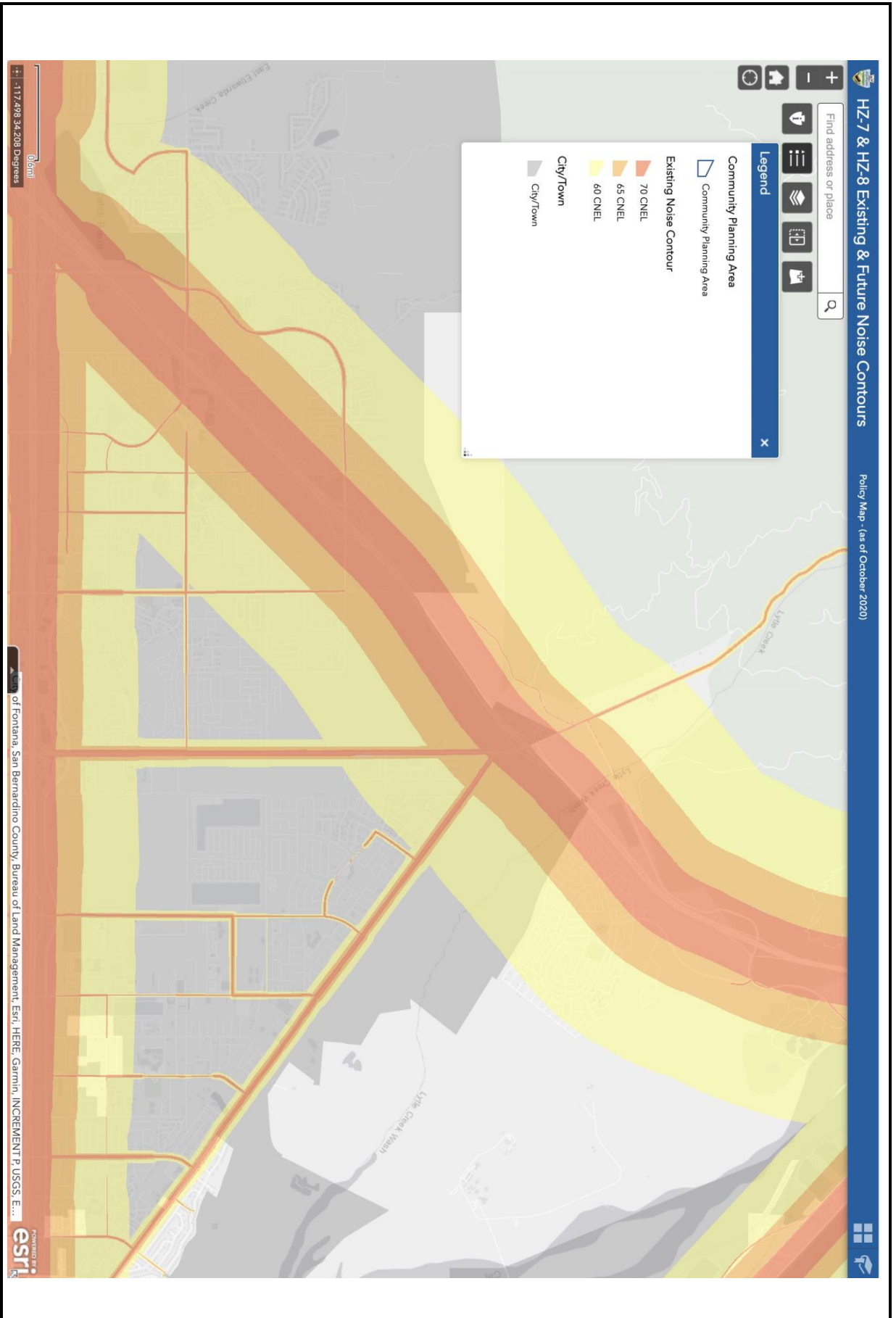


FIGURE XII-1

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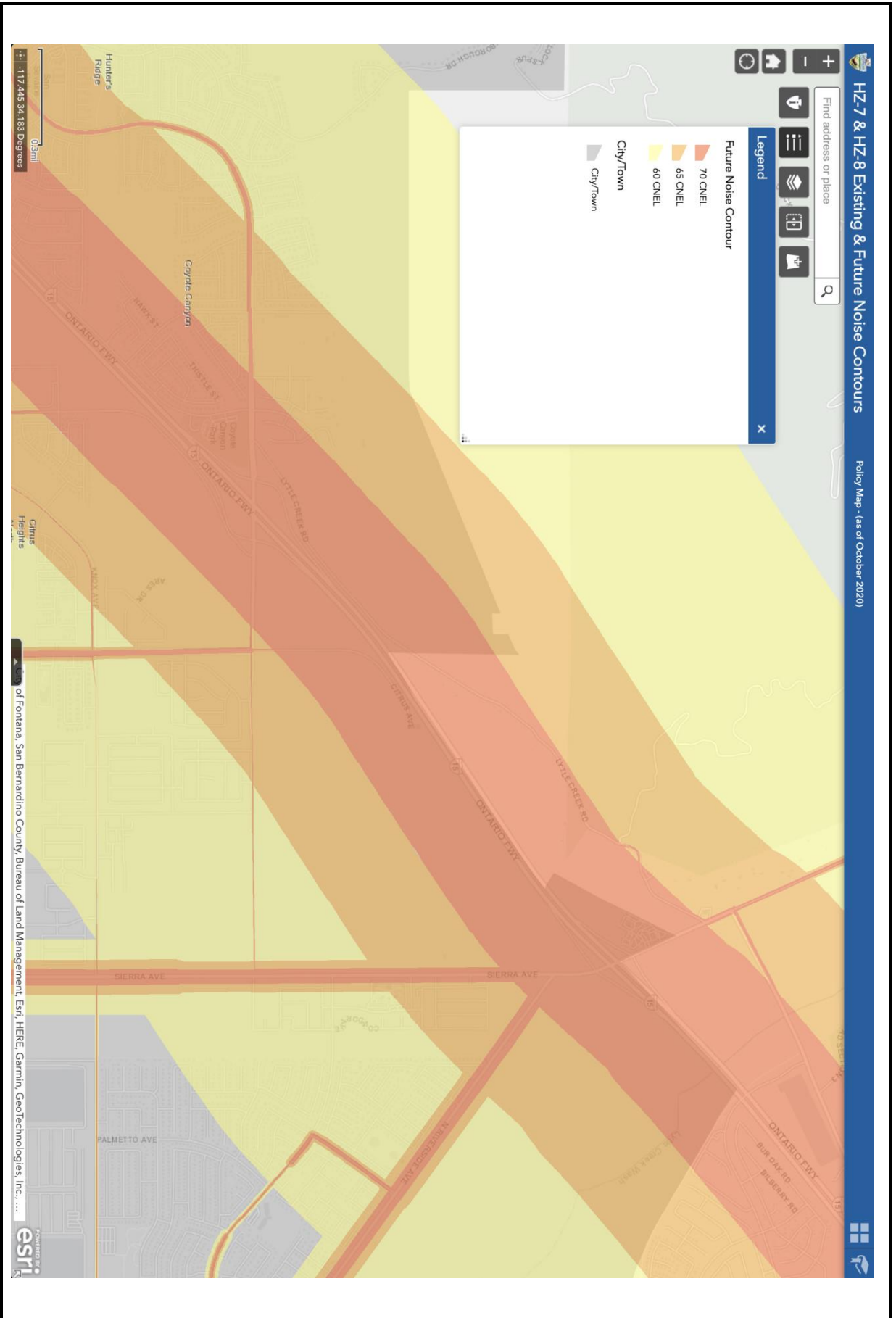
**Mineral Resource Zones**



**Tom Dodson & Associates**  
Environmental Consultants

**Existing Noise Contours**

**FIGURE XIII-1**



**Tom Dodson & Associates**  
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**Future Noise Contours**

**FIGURE XIII-2**

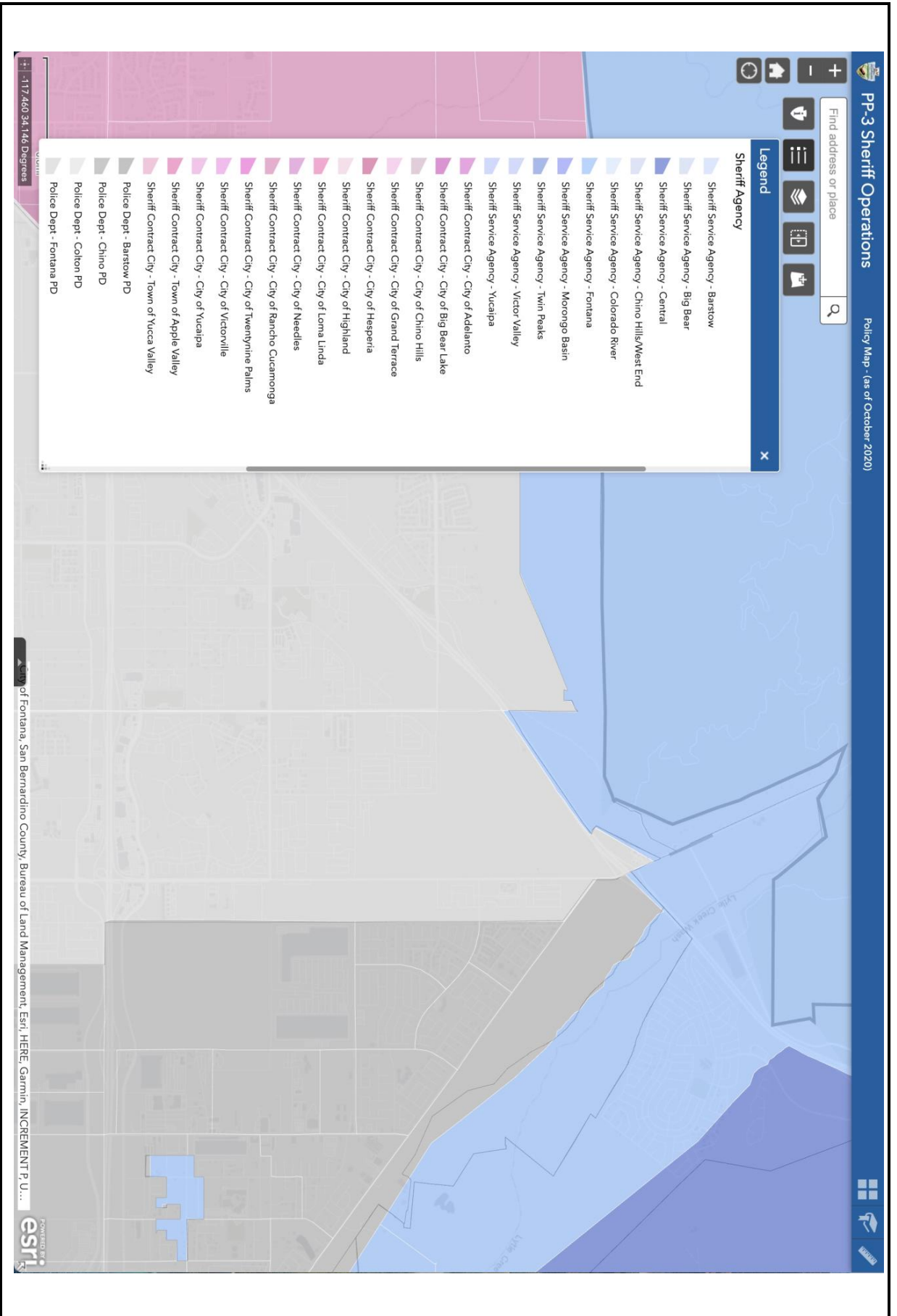


FIGURE XV-1

**Tom Dodson & Associates**  
Environmental Consultants

**Sheriff Operations**

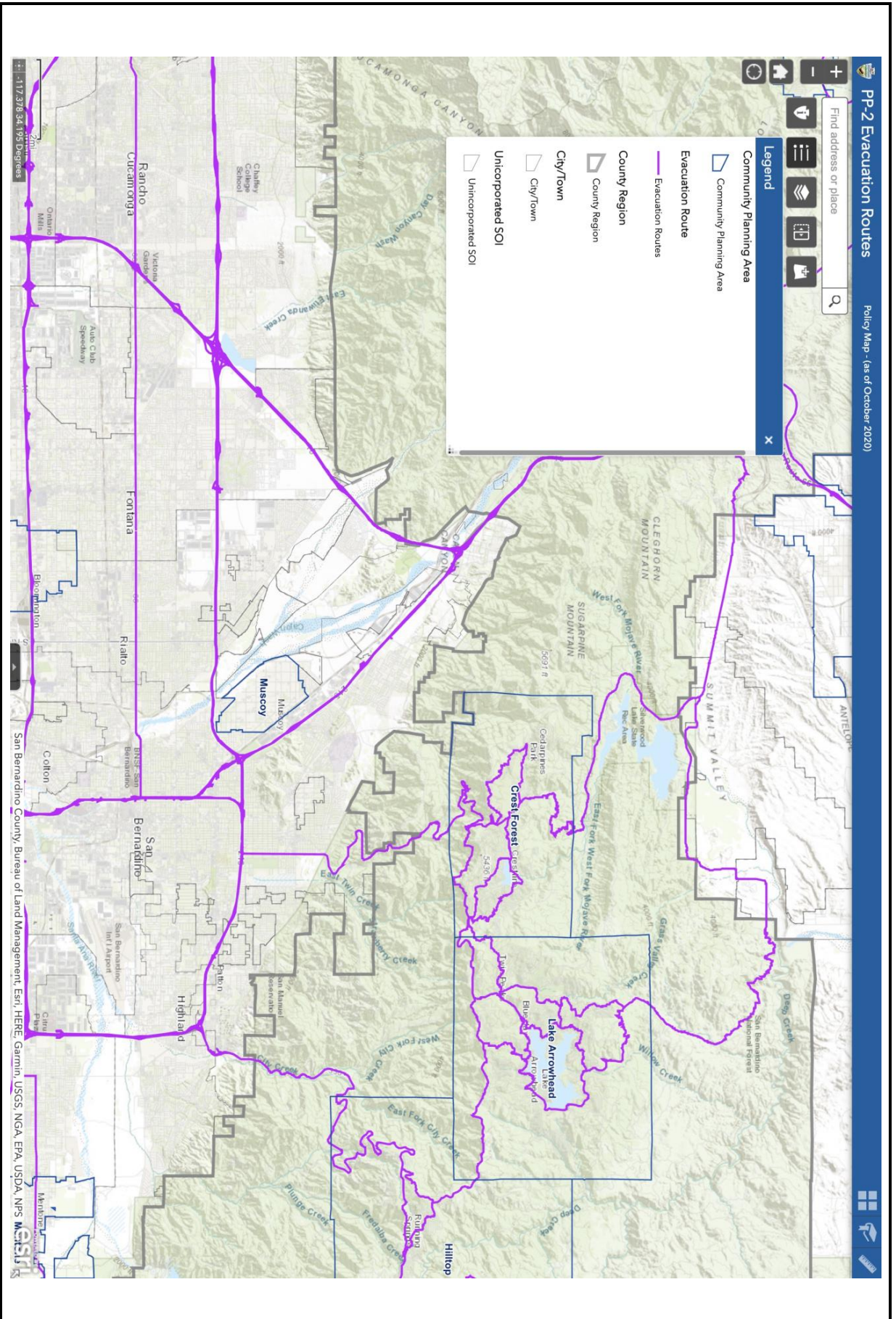


FIGURE XVII-1

Tom Dodson & Associates  
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Evacuation Routes

**APPENDIX 1**



**AIR QUALITY and GHG IMPACT ANALYSES**  
**WV-090**  
**WEST VALLEY WATER DISTRICT**  
**TRANSMISSION MAIN INSTALLATION PROJECT**  
**SAN BERNARDINO, CALIFORNIA**

Prepared by:

Giroux & Associates

Prepared for:

Tom Dodson & Associates  
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PO Box 2307  
San Bernardino, CA 92406-2307

Date:

July 12, 2021

Project No.: P21-024 AQ

## ATMOSPHERIC SETTING

The climate the eastern San Bernardino Valley, as with all of Southern California, is governed largely by the strength and location of the semi-permanent high-pressure center over the Pacific Ocean and the moderating effects of the nearby vast oceanic heat reservoir. Local climatic conditions are characterized by very warm summers, mild winters, infrequent rainfall, moderate daytime on-shore breezes, and comfortable humidity levels. Unfortunately, the same climatic conditions that create such a desirable living climate combine to severely restrict the ability of the local atmosphere to disperse the large volumes of air pollution generated by the population and industry attracted in part by the climate.

The project will be situated in an area where the pollutants generated in coastal portions of the Los Angeles basin undergo photochemical reactions and then move inland across the project site during the daily sea breeze cycle. The resulting smog at times gives San Bernardino County some of the worst air quality in all of California. Fortunately, significant air quality improvement in the last decade suggests that healthful air quality may someday be attained despite the limited regional meteorological dispersion potential.

Winds across the project area are an important meteorological parameter because they control both the initial rate of dilution of locally generated air pollutant emissions as well as controlling their regional trajectory. Winds across the project site display a very unidirectional onshore flow from the southwest-west that is strongest in summer with a weaker offshore return flow from the northeast that is strongest on winter nights when the land is colder than the ocean. The onshore winds during the day average 6-8 mph while the offshore flow is often calm or drifts slowly westward at 1-3 mph.

During the daytime, any locally generated air emissions are thus rapidly transported eastward toward Banning Pass without generating any localized air quality impacts. The nocturnal drainage winds which move slowly across the area have some potential for localized stagnation, but fortunately, these winds have their origin in the adjacent mountains where background pollution levels are low such that any localized contributions do not create any unhealthful impacts.

In conjunction with the two characteristic wind regimes that affect the rate and orientation of horizontal pollutant transport, there are two similarly distinct types of temperature inversions that control the vertical depth through which pollutants are mixed. The summer on-shore flow is capped by a massive dome of warm, sinking air which caps a shallow layer of cooler ocean air. These marine/subsidence inversions act like a giant lid over the basin. They allow for local mixing of emissions, but they confine the entire polluted air mass within the basin until it escapes into the desert or along the thermal chimneys formed along heated mountain slopes.

In winter, when the air near the ground cools while the air aloft remains warm, radiation inversions are formed that trap low-level emissions such as automobile exhaust near their source. As background levels of primary vehicular exhaust rise during the seaward return flow, the combination of rising non-local baseline levels plus emissions trapped locally by these radiation inversions creates micro-scale air pollution "hot spots" near freeways, shopping centers and other

traffic concentrations in coastal areas of the Los Angeles Basin. Because the nocturnal airflow down the adjacent slopes to the north has its origin in very lightly developed areas of the San Bernardino Mountains, background pollution levels at night in winter are very low in the project vicinity. Localized air pollution contributions are insufficient to create a "hot spot" potential when superimposed upon the clean nocturnal baseline. The combination of winds and inversions are thus critical determinants in leading to the degraded air quality in summer, and the generally good air quality in winter in the project area.

## AIR QUALITY SETTING

### AMBIENT AIR QUALITY STANDARDS (AAQS)

In order to gauge the significance of the air quality impacts of the proposed project, those impacts, together with existing background air quality levels, must be compared to the applicable ambient air quality standards. These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those people most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise, called "sensitive receptors." Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed. Recent research has shown, however, that chronic exposure to ozone (the primary ingredient in photochemical smog) may lead to adverse respiratory health even at concentrations close to the ambient standard.

National AAQS were established in 1971 for six pollution species with states retaining the option to add other pollutants, require more stringent compliance, or to include different exposure periods. The initial attainment deadline of 1977 was extended several times in air quality problem areas like Southern California. In 2003, the Environmental Protection Agency (EPA) adopted a rule, which extended and established a new attainment deadline for ozone for the year 2021. Because the State of California had established AAQS several years before the federal action and because of unique air quality problems introduced by the restrictive dispersion meteorology, there is considerable difference between state and national clean air standards. Those standards currently in effect in California are shown in Table 1. Sources and health effects of various pollutants are shown in Table 2.

The Federal Clean Air Act Amendments (CAAA) of 1990 required that the U.S. Environmental Protection Agency (EPA) review all national AAQS in light of currently known health effects. EPA was charged with modifying existing standards or promulgating new ones where appropriate. EPA subsequently developed standards for chronic ozone exposure (8+ hours per day) and for very small diameter particulate matter (called "PM-2.5"). New national AAQS were adopted in 1997 for these pollutants.

Planning and enforcement of the federal standards for PM-2.5 and for ozone (8-hour) were challenged by trucking and manufacturing organizations. In a unanimous decision, the U.S. Supreme Court ruled that EPA did not require specific congressional authorization to adopt national clean air standards. The Court also ruled that health-based standards did not require preparation of a cost-benefit analysis. The Court did find, however, that there was some inconsistency between existing and "new" standards in their required attainment schedules. Such attainment-planning schedule inconsistencies centered mainly on the 8-hour ozone standard. EPA subsequently agreed to downgrade the attainment designation for a large number of communities to "non-attainment" for the 8-hour ozone standard.

Table 1

Ambient Air Quality Standards							
Pollutant	Averaging Time	California Standards <sup>1</sup>		National Standards <sup>2</sup>			
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>	
Ozone (O <sub>3</sub> ) <sup>8</sup>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry	
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )			
Respirable Particulate Matter (PM10) <sup>9</sup>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		—			
Fine Particulate Matter (PM2.5) <sup>9</sup>	24 Hour	—	—	35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12.0 µg/m <sup>3</sup>			15 µg/m <sup>3</sup>
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m <sup>3</sup> )	—	Non-Dispersive Infrared Photometry (NDIR)	
	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )		9 ppm (10 mg/m <sup>3</sup> )			
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		—			
Nitrogen Dioxide (NO <sub>2</sub> ) <sup>10</sup>	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Gas Phase Chemiluminescence	100 ppb (188 µg/m <sup>3</sup> )	—	Gas Phase Chemiluminescence	
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )		0.053 ppm (100 µg/m <sup>3</sup> )			Same as Primary Standard
Sulfur Dioxide (SO <sub>2</sub> ) <sup>11</sup>	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	75 ppb (196 µg/m <sup>3</sup> )	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)	
	3 Hour	—		—			0.5 ppm (1300 µg/m <sup>3</sup> )
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (for certain areas) <sup>11</sup>			—
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) <sup>11</sup>			—
Lead <sup>12,13</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption	
	Calendar Quarter	—		1.5 µg/m <sup>3</sup> (for certain areas) <sup>12</sup>			Same as Primary Standard
	Rolling 3-Month Average	—		0.15 µg/m <sup>3</sup>			
Visibility Reducing Particles <sup>14</sup>	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	<b>No National Standards</b>			
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography				
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence				
Vinyl Chloride <sup>12</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography				

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (5/4/16)

Table 1 (continued)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150  $\mu\text{g}/\text{m}^3$  is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15  $\mu\text{g}/\text{m}^3$  to 12.0  $\mu\text{g}/\text{m}^3$ . The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35  $\mu\text{g}/\text{m}^3$ , as was the annual secondary standard of 15  $\mu\text{g}/\text{m}^3$ . The existing 24-hour PM10 standards (primary and secondary) of 150  $\mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO<sub>2</sub> standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO<sub>2</sub> national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5  $\mu\text{g}/\text{m}^3$  as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (5/4/16)

**Table 2**  
**Health Effects of Major Criteria Pollutants**

<b>Pollutants</b>	<b>Sources</b>	<b>Primary Effects</b>
Carbon Monoxide (CO)	<ul style="list-style-type: none"> <li>• Incomplete combustion of fuels and other carbon-containing substances, such as motor exhaust.</li> <li>• Natural events, such as decomposition of organic matter.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced tolerance for exercise.</li> <li>• Impairment of mental function.</li> <li>• Impairment of fetal development.</li> <li>• Death at high levels of exposure.</li> <li>• Aggravation of some heart diseases (angina).</li> </ul>
Nitrogen Dioxide (NO <sub>2</sub> )	<ul style="list-style-type: none"> <li>• Motor vehicle exhaust.</li> <li>• High temperature stationary combustion.</li> <li>• Atmospheric reactions.</li> </ul>	<ul style="list-style-type: none"> <li>• Aggravation of respiratory illness.</li> <li>• Reduced visibility.</li> <li>• Reduced plant growth.</li> <li>• Formation of acid rain.</li> </ul>
Ozone (O <sub>3</sub> )	<ul style="list-style-type: none"> <li>• Atmospheric reaction of organic gases with nitrogen oxides in sunlight.</li> </ul>	<ul style="list-style-type: none"> <li>• Aggravation of respiratory and cardiovascular diseases.</li> <li>• Irritation of eyes.</li> <li>• Impairment of cardiopulmonary function.</li> <li>• Plant leaf injury.</li> </ul>
Lead (Pb)	<ul style="list-style-type: none"> <li>• Contaminated soil.</li> </ul>	<ul style="list-style-type: none"> <li>• Impairment of blood function and nerve construction.</li> <li>• Behavioral and hearing problems in children.</li> </ul>
Respirable Particulate Matter (PM-10)	<ul style="list-style-type: none"> <li>• Stationary combustion of solid fuels.</li> <li>• Construction activities.</li> <li>• Industrial processes.</li> <li>• Atmospheric chemical reactions.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced lung function.</li> <li>• Aggravation of the effects of gaseous pollutants.</li> <li>• Aggravation of respiratory and cardio respiratory diseases.</li> <li>• Increased cough and chest discomfort.</li> <li>• Soiling.</li> <li>• Reduced visibility.</li> </ul>
Fine Particulate Matter (PM-2.5)	<ul style="list-style-type: none"> <li>• Fuel combustion in motor vehicles, equipment, and industrial sources.</li> <li>• Residential and agricultural burning.</li> <li>• Industrial processes.</li> <li>• Also, formed from photochemical reactions of other pollutants, including NO<sub>x</sub>, sulfur oxides, and organics.</li> </ul>	<ul style="list-style-type: none"> <li>• Increases respiratory disease.</li> <li>• Lung damage.</li> <li>• Cancer and premature death.</li> <li>• Reduces visibility and results in surface soiling.</li> </ul>
Sulfur Dioxide (SO <sub>2</sub> )	<ul style="list-style-type: none"> <li>• Combustion of sulfur-containing fossil fuels.</li> <li>• Smelting of sulfur-bearing metal ores.</li> <li>• Industrial processes.</li> </ul>	<ul style="list-style-type: none"> <li>• Aggravation of respiratory diseases (asthma, emphysema).</li> <li>• Reduced lung function.</li> <li>• Irritation of eyes.</li> <li>• Reduced visibility.</li> <li>• Plant injury.</li> <li>• Deterioration of metals, textiles, leather, finishes, coatings, etc.</li> </ul>

Source: California Air Resources Board, 2002.

Evaluation of the most current data on the health effects of inhalation of fine particulate matter prompted the California Air Resources Board (ARB) to recommend adoption of the statewide PM-2.5 standard that is more stringent than the federal standard. This standard was adopted in 2002. The State PM-2.5 standard is more of a goal in that it does not have specific attainment planning requirements like a federal clean air standard, but only requires continued progress towards attainment.

Similarly, the ARB extensively evaluated health effects of ozone exposure. A new state standard for an 8-hour ozone exposure was adopted in 2005, which aligned with the exposure period for the federal 8-hour standard. The California 8-hour ozone standard of 0.07 ppm is more stringent than the federal 8-hour standard of 0.075 ppm. The state standard, however, does not have a specific attainment deadline. California air quality jurisdictions are required to make steady progress towards attaining state standards, but there are no hard deadlines or any consequences of non-attainment. During the same re-evaluation process, the ARB adopted an annual state standard for nitrogen dioxide (NO<sub>2</sub>) that is more stringent than the corresponding federal standard, and strengthened the state one-hour NO<sub>2</sub> standard.

As part of EPA's 2002 consent decree on clean air standards, a further review of airborne particulate matter (PM) and human health was initiated. A substantial modification of federal clean air standards for PM was promulgated in 2006. Standards for PM-2.5 were strengthened, a new class of PM in the 2.5 to 10 micron size was created, some PM-10 standards were revoked, and a distinction between rural and urban air quality was adopted. In December, 2012, the federal annual standard for PM-2.5 was reduced from 15 µg/m<sup>3</sup> to 12 µg/m<sup>3</sup> which matches the California AAQS. The severity of the basin's non-attainment status for PM-2.5 may be increased by this action and thus require accelerated planning for future PM-2.5 attainment.

In response to continuing evidence that ozone exposure at levels just meeting federal clean air standards is demonstrably unhealthful, EPA had proposed a further strengthening of the 8-hour standard. A new 8-hour ozone standard was adopted in 2015 after extensive analysis and public input. The adopted national 8-hour ozone standard is 0.07 ppm which matches the current California standard. It will require three years of ambient data collection, then 2 years of non-attainment findings and planning protocol adoption, then several years of plan development and approval. Final air quality plans for the new standard are likely to be adopted around 2022. Ultimate attainment of the new standard in ozone problem areas such as Southern California might be after 2025.

In 2010 a new federal one-hour primary standard for nitrogen dioxide (NO<sub>2</sub>) was adopted. This standard is more stringent than the existing state standard. Based upon air quality monitoring data in the South Coast Air Basin, the California Air Resources Board has requested the EPA to designate the basin as being in attainment for this standard. The federal standard for sulfur dioxide (SO<sub>2</sub>) was also recently revised. However, with minimal combustion of coal and mandatory use of low sulfur fuels in California, SO<sub>2</sub> is typically not a problem pollutant.



## BASELINE AIR QUALITY

Existing and probable future levels of air quality around the proposed project area can best be best inferred from ambient air quality measurements conducted by the SCAQMD at the Upland monitoring station. This station measures both regional pollution levels such as smog, as well as primary vehicular pollution levels near busy roadways such as carbon monoxide, PM-10, and nitrogen oxides. The Ontario monitoring station near route 60 monitors PM-2.5. Table 3 provides a 4-year summary of the monitoring data for the major air pollutants compiled from these air monitoring stations. From these data the following conclusions can be drawn:

1. Photochemical smog (ozone) levels frequently exceed standards. The 1-hour state standard was violated an average of 14 percent of all days in the last four years near Upland. The federal 8-hour standard has been exceeded an average of 15 percent of all days within the same period and the state 8-hour standard has been exceeded approximately 21 percent of all days. While ozone levels are still high, they are much lower than 10 to 20 years ago. Attainment of all clean air standards in the project vicinity is not likely to occur soon, but the severity and frequency of violations is expected to continue to slowly decline during the current decade.
2. PM-10 levels have exceeded the state 24-hour standard on approximately five percent of all measurement days. The three times less stringent federal 24 hour-standard has not been exceeded once in the last four years.
3. A substantial fraction of PM-10 is comprised of ultra-small diameter particulates capable of being inhaled into deep lung tissue (PM-2.5). Both the frequency of violations of particulate standards, as well as high percentage of PM-2.5, are air quality concerns in the project area. However, PM-2.5 readings very infrequently exceed the federal 24-hour PM-2.5 ambient standard on approximately one percent of the measured days.
4. More localized pollutants such as carbon monoxide, nitrogen oxides, etc. are very low near the project site because background levels throughout western San Bernardino County, never exceed allowable levels. There is substantial excess dispersive capacity to accommodate localized vehicular air pollutants such as NOx or CO without any threat of violating applicable AAQS.

Although complete attainment of every clean air standard is not yet imminent, extrapolation of the steady improvement trend suggests that such attainment could occur within the reasonably near future.

**Table 3**  
**Project Area Air Quality Monitoring Summary 2017-2020**  
**(Days Standards Were Exceeded and Maximum Observed Levels)**

<b>Pollutant/Standard</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
<b>Ozone</b>				
1-Hour > 0.09 ppm (S)	66	25	31	82
8-Hour > 0.07 ppm (S)	87	52	52	114
8- Hour > 0.075 ppm (F)	72	32	34	87
Max. 1-Hour Conc. (ppm)	0.150	0.133	0.131	0.158
Max. 8-Hour Conc. (ppm)	0.127	0.111	0.107	0.123
<b>Carbon Monoxide</b>				
1-Hour > 20. ppm (S)	0	0	0	0
8-Hour > 9. ppm (S, F)	0	0	0	0
Max 8-Hour Conc. (ppm)	1.4	1.2	1.1	1.1
<b>Nitrogen Dioxide</b>				
1-Hour > 0.18 ppm (S)	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.06	0.06	0.06	0.06
<b>Respirable Particulates (PM-10)</b>				
24-Hour > 50 µg/m <sup>3</sup> (S)	26/320	14/322	7/306	12/305
24-Hour > 150 µg/m <sup>3</sup> (F)	0/320	0/322	0/306	0/305
Max. 24-Hr. Conc. (µg/m <sup>3</sup> )	106.	73.	125.	63.
<b>Fine Particulates (PM-2.5)<sup>1</sup></b>				
24-Hour > 35 µg/m <sup>3</sup> (F)	7/359	5/357	5/364	4/356
Max. 24-Hr. Conc. (µg/m <sup>3</sup> )	44.8	47.9	41.3	53.1

S=State Standard  
F=Federal Standard

Source: South Coast AQMD  
Upland Monitoring Station (5175) ,<sup>1</sup> Ontario Monitoring (near CA-60) Station for PM-2.5

## AIR QUALITY PLANNING

The Federal Clean Air Act (1977 Amendments) required that designated agencies in any area of the nation not meeting national clean air standards must prepare a plan demonstrating the steps that would bring the area into compliance with all national standards. The SCAB could not meet the deadlines for ozone, nitrogen dioxide, carbon monoxide, or PM-10. In the SCAB, the agencies designated by the governor to develop regional air quality plans are the SCAQMD and the Southern California Association of Governments (SCAG). The two agencies first adopted an Air Quality Management Plan (AQMP) in 1979 and revised it several times as earlier attainment forecasts were shown to be overly optimistic.

The 1990 Federal Clean Air Act Amendment (CAAA) required that all states with air-sheds with “serious” or worse ozone problems submit a revision to the State Implementation Plan (SIP). Amendments to the SIP have been proposed, revised and approved over the past decade. The most current regional attainment emissions forecast for ozone precursors (ROG and NO<sub>x</sub>) and for carbon monoxide (CO) and for particulate matter are shown in Table 4. Substantial reductions in emissions of ROG, NO<sub>x</sub> and CO are forecast to continue throughout the next several decades. Unless new particulate control programs are implemented, PM-10 and PM-2.5 are forecast to slightly increase.

The Air Quality Management District (AQMD) adopted an updated clean air “blueprint” in August 2003. The 2003 Air Quality Management Plan (AQMP) was approved by the EPA in 2004. The AQMP outlined the air pollution measures needed to meet federal health-based standards for ozone by 2010 and for particulates (PM-10) by 2006. The 2003 AQMP was based upon the federal one-hour ozone standard which was revoked late in 2005 and replaced by an 8-hour federal standard. Because of the revocation of the hourly standard, a new air quality planning cycle was initiated.

With re-designation of the air basin as non-attainment for the 8-hour ozone standard, a new attainment plan was developed. This plan shifted most of the one-hour ozone standard attainment strategies to the 8-hour standard. As previously noted, the attainment date was to “slip” from 2010 to 2021. The updated attainment plan also includes strategies for ultimately meeting the federal PM-2.5 standard.

Because projected attainment by 2021 required control technologies that did not exist yet, the SCAQMD requested a voluntary “bump-up” from a “severe non-attainment” area to an “extreme non-attainment” designation for ozone. The extreme designation was to allow a longer time period for these technologies to develop. If attainment cannot be demonstrated within the specified deadline without relying on “black-box” measures, EPA would have been required to impose sanctions on the region had the bump-up request not been approved. In April 2010, the EPA approved the change in the non-attainment designation from “severe-17” to “extreme.” This reclassification set a later attainment deadline (2024), but also required the air basin to adopt even more stringent emissions controls.

**Table 4  
South Coast Air Basin Emissions Forecasts (Emissions in tons/day)**

<b>Pollutant</b>	<b>2015<sup>a</sup></b>	<b>2020<sup>b</sup></b>	<b>2025<sup>b</sup></b>	<b>2030<sup>b</sup></b>
<b>NOx</b>	357	289	266	257
<b>VOC</b>	400	393	393	391
<b>PM-10</b>	161	165	170	172
<b>PM-2.5</b>	67	68	70	71

<sup>a</sup>2015 Base Year.

<sup>b</sup>With current emissions reduction programs and adopted growth forecasts.

Source: California Air Resources Board, 2013 Almanac of Air Quality

In other air quality attainment plan reviews, EPA had disapproved part of the SCAB PM-2.5 attainment plan included in the AQMP. EPA stated that the current attainment plan relied on PM-2.5 control regulations that had not yet been approved or implemented. It was expected that a number of rules that were pending approval would remove the identified deficiencies. If these issues were not resolved within the next several years, federal funding sanctions for transportation projects could result. The 2012 AQMP included in the current California State Implementation Plan (SIP) was expected to remedy identified PM-2.5 planning deficiencies.

The federal Clean Air Act requires that non-attainment air basins have EPA approved attainment plans in place. This requirement includes the federal one-hour ozone standard even though that standard was revoked almost ten years ago. There was no approved attainment plan for the one-hour federal standard at the time of revocation. Through a legal quirk, the SCAQMD is now required to develop an AQMP for the long since revoked one-hour federal ozone standard. Because the current SIP for the basin contains a number of control measures for the 8-hour ozone standard that are equally effective for one-hour levels, the 2012 AQMP was believed to satisfy hourly attainment planning requirements.

AQMPs are required to be updated every three years. The 2012 AQMP was adopted in early 2013. An updated AQMP was required for completion in 2016. The 2016 AQMP was adopted by the SCAQMD Board in March, 2017, and has been submitted the California Air Resources Board for forwarding to the EPA. The 2016 AQMP acknowledges that motor vehicle emissions have been effectively controlled and that reductions in NOx, the continuing ozone problem pollutant, may need to come from major stationary sources (power plants, refineries, landfill flares, etc.) . The current attainment deadlines for all federal non-attainment pollutants are now as follows:

- 8-hour ozone (70 ppb)                      2032
- Annual PM-2.5 (12 µg/m<sup>3</sup>)              2025
- 8-hour ozone (75 ppb)                      2024 (old standard)
- 1-hour ozone (120 ppb)                    2023 (rescinded standard)

24-hour PM-2.5 (35  $\mu\text{g}/\text{m}^3$ ) 2019

The key challenge is that NO<sub>x</sub> emission levels, as a critical ozone precursor pollutant, are forecast to continue to exceed the levels that would allow the above deadlines to be met. Unless additional stringent NO<sub>x</sub> control measures are adopted and implemented, ozone attainment goals may not be met.

The proposed project does not directly relate to the AQMP in that there are no specific air quality programs or regulations water improvement projects. Conformity with adopted plans, forecasts and programs relative to population, housing, employment and land use is the primary yardstick by which impact significance of planned growth is determined. The SCAQMD, however, while acknowledging that the AQMP is a growth-accommodating document, does not favor designating regional impacts as less-than-significant just because the proposed development is consistent with regional growth projections. Air quality impact significance for the proposed project has therefore been analyzed on a project-specific basis.

## AIR QUALITY IMPACT

### CEQA STANDARDS OF SIGNIFICANCE

The SCAQMD has designated significant emissions levels as surrogates for evaluating regional air quality impact significance independent of chemical transformation processes. Projects with daily emissions that exceed any of the emission thresholds in Table 5 are recommended by the SCAQMD to be considered significant under CEQA guidelines.

**Table 5  
Daily Emissions Thresholds**

Pollutant	Construction	Operations
ROG	75	55
NOx	100	55
CO	550	550
PM-10	150	150
PM-2.5	55	55
SOx	150	150
Lead	3	3

Source: SCAQMD CEQA Air Quality Handbook, November, 1993 Rev.

### Federal Thresholds

Conformity analysis under EPA guidelines can be undertaken to demonstrate that the combined emissions from direct and indirect (transportation, etc.) project-related emissions have been accurately incorporated into the applicable SIP. A simpler test, as outlined in 40CFR Part 93.153, is to demonstrate that these emissions are less than the *de minimis* thresholds which depend upon the seriousness of the current level of non-attainment for federal clean air standards. If the project-related emissions from construction and operations are less than specified “*de minimis*” levels, no further SIP consistency demonstration is required. The SCAB is designated as “extreme” non-attainment for the 8-hour ozone standard and “serious” non-attainment of PM-2.5. Therefore, the applicable thresholds are as follows:

- VOC/ROG - 10 tons/year
- NOx - 10 tons/year
- CO - 100 tons/year
- PM-2.5 - 70 tons/year
- PM-10 - 100 tons/year

Projects with annual direct and indirect emissions below these *de minimis* thresholds are considered to be in conformance with the applicable SIP.

**CEQA SIGNIFICANCE IMPACT ANALYSIS**

Inland Empire Utilities Agency proposes to install 650 linear feet of 18-inch transmission main pipeline in the Lytle Creek area which will bore under the Interstate 15 freeway and terminate at Citrus Avenue. The project is in an undeveloped area. The nearest residential use is more than 700 feet to the northeast.

CalEEMod was developed by the SCAQMD to provide a model by which to calculate both construction emissions and operational emissions from a variety of land use projects. It calculates both the daily maximum and annual average emissions for criteria pollutants as well as total or annual greenhouse gas (GHG) emissions. The following equipment fleet and durations shown in Table 6 were modeled as provided by the project engineer:

**Table 6  
Construction Activity Equipment Fleet  
650 LF**

<b>Demo Roadway and Trench 2 weeks</b>	2 Loader/Backhoes
	1 Excavator
	1 Concrete Saw
	3 Signal Boards
<b>Install Pipe 2 weeks</b>	2 Forklifts
	1 Crane
	2 Loader/Backhoes
	3 Signal Boards
<b>Backfill and Pave 60 days</b>	1 Compactor
	1 Paver
	1 Loader/Backhoe
	1 Roller
	3 Signal Boards

Utilizing the indicated equipment fleet and durations the following worst-case daily construction emissions are calculated by CalEEMod as shown in Table 7.

**Table 7  
Construction Activity Emissions  
Maximum Daily Emissions (pounds/day)**

<b>Maximal Construction Emissions</b>	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO<sub>2</sub></b>	<b>PM-10</b>	<b>PM-2.5</b>
<b>2021</b>	<b>1.0</b>	<b>8.2</b>	<b>9.4</b>	<b>0.0</b>	<b>0.7</b>	<b>0.4</b>
SCAQMD Thresholds	75	100	550	150	150	55

Peak daily construction activity emissions are estimated to be below SCAQMD CEQA thresholds without the need for added mitigation.

**LOCALIZED SIGNIFICANCE THRESHOLDS**

The SCAQMD has developed analysis parameters to evaluate ambient air quality on a local level in addition to the more regional emissions-based thresholds of significance. These analysis elements are called Localized Significance Thresholds (LSTs).

For the proposed project, the primary source of possible LST impact would be during construction. LSTs are applicable for a sensitive receptor where it is possible that an individual could remain for 24 hours such as a residence, hospital or convalescent facility.

LSTs are only applicable to the following criteria pollutants: oxides of nitrogen (NOx), carbon monoxide (CO), and particulate matter (PM-10 and PM-2.5). LSTs represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard and are developed based on the ambient concentrations of that pollutant for each source receptor area and distance to the nearest sensitive receptor.

LST screening tables are available for 25, 50, 100, 200 and 500 meter source-receptor distances. For this project, the nearest residential use is more than 700-feet to the northeast such that the 200-meter distance was used.

The SCAQMD has issued guidance on applying CalEEMod to LSTs. LST pollutant screening level concentration data is currently published for 1, 2 and 5 acre sites. For this project, the most stringent standards for a 1-acre disturbance area were used.

The following thresholds and emissions shown in Table 8 are therefore determined (pounds per day):

**Table 8  
LST and Project Emissions (pounds/day)**

<b>LST 1 acres/200 meters Central San Bernardino Valley</b>	<b>CO</b>	<b>NOx</b>	<b>PM-10</b>	<b>PM-2.5</b>
<b>LST Threshold</b>	5,356	334	74	23
<b>Max On-Site Emissions</b>	10	8	<1	<1

CalEEMod Output in Appendix

LSTs were compared to the maximum daily construction activities. Emissions meet the LST for construction thresholds without the need for added mitigation. LST impacts are less-than-significant.



**NEPA Analysis**

Annual emissions were run with the same assumptions as used for daily emissions and are shown in Table 9. The calculated maximum annual emissions were then compared to the EPA *de minimis* emission thresholds that would allow for a federal conformity finding with Section 176c of the Clean Air Act.

**Table 9  
Total Annual Construction Emissions  
(tons/year)**

Activity	ROG	NOx	CO	SO <sub>2</sub>	PM-10	PM-2.5
Construction 2021	0.03	0.27	0.30	<0.1	0.02	0.02
NEPA Threshold	10	10	100	100	100	70

As summarized below, maximum annual emissions are much less than their associated *de minimis* thresholds. A formal SIP consistency analysis is not required.

Pollutant	Threshold	Project Emissions
VOC/ROG	10 tons/year	0.03 tons/year
NOx	10 tons/year	0.27 tons/year
PM-2.5	70 tons/year	0.02 tons/year
PM-10	100 tons/year	0.02 tons/year
CO	100 tons/year	0.30 tons/year
SO <sub>2</sub>	100 tons/year	<0.1 tons/year

**GHG EMISSIONS THRESHOLDS**

On December 5, 2008 the SCAQMD Governing Board adopted an Interim quantitative GHG Significance Threshold for industrial projects where the SCAQMD is the lead agency (e.g., stationary source permit projects, rules, plans, etc.) of 10,000 Metric Tons (MT) CO<sub>2</sub> equivalent/year CO<sub>2</sub>e. In the absence of an adopted numerical threshold of significance, project related GHG emissions in excess of the 10,000 MT guideline level are presumed to trigger a requirement for enhanced GHG reduction at the project level.

**PROJECT GHG EMISSIONS GENERATION**

**Construction Activity GHG Emissions**

The project is assumed to require less than one year for construction. During project construction, the CalEEMod2016.3.2 computer model predicts that the construction activities will generate the annual CO<sub>2</sub>e emissions identified in Table 10.

**Table 10**  
**Construction Emissions (Metric Tons CO<sub>2</sub>e)**

<b>CO<sub>2</sub>e</b>	45.7
<b>Amortized</b>	1.5

CalEEMod Output provided in appendix

SCAQMD GHG emissions policy from construction activities is to amortize emissions over a 30-year lifetime. The amortized level is also provided. GHG impacts from construction are considered less-than-significant.

Total project GHG emissions would be substantially below the proposed significance threshold of 10,000 MT suggested by the SCAQMD. Hence, the project would not result in generation of a significant level of greenhouse gases.

## CALEEMOD2016.3.2 COMPUTER MODEL OUTPUT

- DAILY EMISISONS
- ANNUAL EMISSIONS

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

**WEST VALLEY WATER DISTRICT Pipeline**  
**San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.10	User Defined Unit	0.10	0.00	0

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10	Operational Year			2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - 0.1 acre per proj description

Construction Phase - Demo 2 weeks, Pipeline Install 2 weeks, Backfill and Pave 60 days

Off-road Equipment - Cutting and digging: 1 concrete saw, 2 loader/backhoes, 1 excavator, 3 signal boards

Off-road Equipment - Pipeline Install: 1 crane, 2 forklifts, 2 loader/backhoes, 3 signal boards

Off-road Equipment - Backfill and Pave: 1 paver, 1 roller, 1 loader/backhoe, 1 compactor, 3 signal boards

Trips and VMT - 22 worker trips day, 10 dump trucks 80 miles round trip

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	10.00

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

tbConstructionPhase	NumDays	PhaseStartDate	PhaseEndDate	60.00
tbConstructionPhase	5.00	2/4/2022	10/1/2021	
tbConstructionPhase		2/1/2022	12/24/2021	
tbConstructionPhase	PhaseStartDate	2/5/2022	10/2/2021	
tblLandUse	LotAcreage	0.00	0.10	
tbOffRoadEquipment	OffRoadEquipmentType		Signal Boards	
tbOffRoadEquipment	OffRoadEquipmentType		Excavators	
tbOffRoadEquipment	OffRoadEquipmentType		Signal Boards	
tbOffRoadEquipment	OffRoadEquipmentType		Plate Compactors	
tbOffRoadEquipment	OffRoadEquipmentType		Signal Boards	
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00	
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00	
tbOffRoadEquipment	PhaseName		Building Construction	
tbOffRoadEquipment	PhaseName		Demolition	
tbOffRoadEquipment	PhaseName		Demolition	
tbOffRoadEquipment	PhaseName		Paving	
tbOffRoadEquipment	PhaseName		Paving	
tbOffRoadEquipment	UsageHours	8.00	6.00	
tbOffRoadEquipment	UsageHours	7.00	6.00	
tbOffRoadEquipment	UsageHours	7.00	6.00	
tbOffRoadEquipment	UsageHours	7.00	6.00	
tbOffRoadEquipment	UsageHours	8.00	6.00	
tbOffRoadEquipment	UsageHours	7.00	6.00	
tbITripsAndVMT	HaulingTripNumber	0.00	10.00	
tbITripsAndVMT	VendorTripLength	6.90	80.00	
tbITripsAndVMT	VendorTripNumber	0.00	1.00	
tbITripsAndVMT	VendorTripNumber	0.00	1.00	
tbITripsAndVMT	WorkerTripNumber	0.00	22.00	

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

tbTripsAndVMT	WorkerTripNumber	10.00	22.00
tbTripsAndVMT	WorkerTripNumber	18.00	22.00

2.0 Emissions Summary

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
2021	0.9745	8.2809	9.6391	0.0172	0.2634	0.4353	0.6876	0.0700	0.4038	0.4709	0.0000	1,618,352.4	1,618,352.4	0.3322	0.0000	1,625,345.1
Maximum	0.9745	8.2809	9.6391	0.0172	0.2634	0.4353	0.6876	0.0700	0.4038	0.4709	0.0000	1,618,352.4	1,618,352.4	0.3322	0.0000	1,625,345.1

**Mitigated Construction**

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
2021	0.9745	7.2026	9.6391	0.0172	0.2634	0.4353	0.6876	0.0700	0.4038	0.4709	0.0000	1,618,352.4	1,618,352.4	0.3322	0.0000	1,625,345.1
Maximum	0.9745	7.2026	9.6391	0.0172	0.2634	0.4353	0.6876	0.0700	0.4038	0.4709	0.0000	1,618,352.4	1,618,352.4	0.3322	0.0000	1,625,345.1

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	lb/day											lb/day				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.0000e-005	2.0000e-005	0.0000		2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

**Mitigated Operational**

Category	lb/day											lb/day				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.0000	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.0000e-005	2.0000e-005	0.0000		2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>



WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

Percent Reduction	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/14/2021	5	10	
2	Building Construction	Building Construction	9/18/2021	10/1/2021	5	10	
3	Paving	Paving	10/2/2021	12/24/2021	5	60	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	4.00	158	0.38
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Signal Boards	3	8.00	6	0.82
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Signal Boards	3	8.00	6	0.82
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	6.00	80	0.38
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Signal Boards	3	8.00	6	0.82
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	5	22.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	22.00	0.00	10.00	14.70	80.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	22.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

3.2 Demolition - 2021

Unmitigated Construction On-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.8568	7.2825	8.6930	0.0140		0.3919	0.3919		0.3743	0.3743		1,295.1357	1,295.1357	0.2684		1,301.8466
<b>Total</b>	<b>0.8568</b>	<b>7.2825</b>	<b>8.6930</b>	<b>0.0140</b>		<b>0.3919</b>	<b>0.3919</b>		<b>0.3743</b>	<b>0.3743</b>		<b>1,295.1357</b>	<b>1,295.1357</b>	<b>0.2684</b>		<b>1,301.8466</b>

Unmitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	5.9400e-003	0.2281	0.0353	7.8000e-004	0.0175	6.5000e-004	0.0182	4.8000e-003	6.2000e-004	5.4200e-003		82.5190	82.5190	4.4200e-003		82.6296
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1118	0.0691	0.9108	2.4200e-003	0.2459	1.5700e-003	0.2475	0.0652	1.4500e-003	0.0667		240.6977	240.6977	6.8500e-003		240.8690
<b>Total</b>	<b>0.1177</b>	<b>0.2972</b>	<b>0.9461</b>	<b>3.2000e-003</b>	<b>0.2634</b>	<b>2.2200e-003</b>	<b>0.2656</b>	<b>0.0700</b>	<b>2.0700e-003</b>	<b>0.0721</b>		<b>323.2167</b>	<b>323.2167</b>	<b>0.0113</b>		<b>323.4985</b>

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

3.2 Demolition - 2021

Mitigated Construction On-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.8568	5.1221	8.6930	0.0140		0.3919	0.3919		0.3743	0.3743	0.0000	1,295.1357	1,295.1357	0.2684		1,301.8466
<b>Total</b>	<b>0.8568</b>	<b>5.1221</b>	<b>8.6930</b>	<b>0.0140</b>		<b>0.3919</b>	<b>0.3919</b>		<b>0.3743</b>	<b>0.3743</b>	<b>0.0000</b>	<b>1,295.1357</b>	<b>1,295.1357</b>	<b>0.2684</b>		<b>1,301.8466</b>

Mitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	5.9400e-003	0.2281	0.0353	7.8000e-004	0.0175	6.5000e-004	0.0182	4.8000e-003	6.2000e-004	5.4200e-003		82.5190	82.5190	4.4200e-003		82.6296
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1118	0.0691	0.9108	2.4200e-003	0.2459	1.5700e-003	0.2475	0.0652	1.4500e-003	0.0667		240.6977	240.6977	6.8500e-003		240.8690
<b>Total</b>	<b>0.1177</b>	<b>0.2972</b>	<b>0.9461</b>	<b>3.2000e-003</b>	<b>0.2634</b>	<b>2.2200e-003</b>	<b>0.2656</b>	<b>0.0700</b>	<b>2.0700e-003</b>	<b>0.0721</b>		<b>323.2167</b>	<b>323.2167</b>	<b>0.0113</b>		<b>323.4985</b>

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

**3.3 Building Construction - 2021**

**Unmitigated Construction On-Site**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.8534	8.1153	7.0366	0.0119		0.4336	0.4336		0.4022	0.4022		1,100.7064	1,100.7064	0.3235		1,108.7940
<b>Total</b>	<b>0.8534</b>	<b>8.1153</b>	<b>7.0366</b>	<b>0.0119</b>		<b>0.4336</b>	<b>0.4336</b>		<b>0.4022</b>	<b>0.4022</b>		<b>1,100.7064</b>	<b>1,100.7064</b>	<b>0.3235</b>		<b>1,108.7940</b>

**Unmitigated Construction Off-Site**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.5900e-003	0.0964	0.0182	2.7000e-004	6.4000e-003	1.7000e-004	6.5700e-003	1.8400e-003	1.6000e-004	2.0000e-003		28.4589	28.4589	1.8000e-003		28.5039
Worker	0.1118	0.0691	0.9108	2.4200e-003	0.2459	1.5700e-003	0.2475	0.0652	1.4500e-003	0.0667		240.6977	240.6977	6.8500e-003		240.8690
<b>Total</b>	<b>0.1144</b>	<b>0.1655</b>	<b>0.9289</b>	<b>2.6900e-003</b>	<b>0.2523</b>	<b>1.7400e-003</b>	<b>0.2541</b>	<b>0.0671</b>	<b>1.6100e-003</b>	<b>0.0687</b>		<b>269.1566</b>	<b>269.1566</b>	<b>8.6500e-003</b>		<b>269.3729</b>

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

**3.3 Building Construction - 2021**

**Mitigated Construction On-Site**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.8534	7.0371	7.0366	0.0119		0.4336	0.4336		0.4022	0.4022	0.0000	1,100.7064	1,100.7064	0.3235		1,108.7940
<b>Total</b>	<b>0.8534</b>	<b>7.0371</b>	<b>7.0366</b>	<b>0.0119</b>		<b>0.4336</b>	<b>0.4336</b>		<b>0.4022</b>	<b>0.4022</b>	<b>0.0000</b>	<b>1,100.7064</b>	<b>1,100.7064</b>	<b>0.3235</b>		<b>1,108.7940</b>

**Mitigated Construction Off-Site**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.5900e-003	0.0964	0.0182	2.7000e-004	6.4000e-003	1.7000e-004	6.5700e-003	1.8400e-003	1.6000e-004	2.0000e-003		28.4589	28.4589	1.8000e-003		28.5039
Worker	0.1118	0.0691	0.9108	2.4200e-003	0.2459	1.5700e-003	0.2475	0.0652	1.4500e-003	0.0667		240.6977	240.6977	6.8500e-003		240.8690
<b>Total</b>	<b>0.1144</b>	<b>0.1655</b>	<b>0.9289</b>	<b>2.6900e-003</b>	<b>0.2523</b>	<b>1.7400e-003</b>	<b>0.2541</b>	<b>0.0671</b>	<b>1.6100e-003</b>	<b>0.0687</b>		<b>269.1566</b>	<b>269.1566</b>	<b>8.6500e-003</b>		<b>269.3729</b>

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

3.4 Paving - 2021

Unmitigated Construction On-Site

Category	lb/day											lb/day				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.6694	6.0780	6.3450	0.0103		0.3154	0.3154		0.2941	0.2941		931.3375	931.3375	0.2631		937.9137
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6694</b>	<b>6.0780</b>	<b>6.3450</b>	<b>0.0103</b>		<b>0.3154</b>	<b>0.3154</b>		<b>0.2941</b>	<b>0.2941</b>		<b>931.3375</b>	<b>931.3375</b>	<b>0.2631</b>		<b>937.9137</b>

Unmitigated Construction Off-Site

Category	lb/day											lb/day				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.5900e-003	0.0964	0.0182	2.7000e-004	6.4000e-003	1.7000e-004	6.5700e-003	1.8400e-003	1.6000e-004	2.0000e-003		28.4589	28.4589	1.8000e-003		28.5039
Worker	0.1118	0.0691	0.9108	2.4200e-003	0.2459	1.5700e-003	0.2475	0.0652	1.4500e-003	0.0667		240.6977	240.6977	6.8500e-003		240.8690
<b>Total</b>	<b>0.1144</b>	<b>0.1655</b>	<b>0.9289</b>	<b>2.6900e-003</b>	<b>0.2523</b>	<b>1.7400e-003</b>	<b>0.2541</b>	<b>0.0671</b>	<b>1.6100e-003</b>	<b>0.0687</b>		<b>269.1566</b>	<b>269.1566</b>	<b>8.6500e-003</b>		<b>269.3729</b>

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

3.4 Paving - 2021

Mitigated Construction On-Site

Category	lb/day											lb/day				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.6694	4.8113	6.3450	0.0103		0.3154	0.3154		0.2941	0.2941	0.0000	931.3375	931.3375	0.2631		937.9137
Paving	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6694</b>	<b>4.8113</b>	<b>6.3450</b>	<b>0.0103</b>		<b>0.3154</b>	<b>0.3154</b>		<b>0.2941</b>	<b>0.2941</b>	<b>0.0000</b>	<b>931.3375</b>	<b>931.3375</b>	<b>0.2631</b>		<b>937.9137</b>

Mitigated Construction Off-Site

Category	lb/day											lb/day				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.5900e-003	0.0964	0.0182	2.7000e-004	6.4000e-003	1.7000e-004	6.5700e-003	1.8400e-003	1.6000e-004	2.0000e-003		28.4589	28.4589	1.8000e-003		28.5039
Worker	0.1118	0.0691	0.9108	2.4200e-003	0.2459	1.5700e-003	0.2475	0.0652	1.4500e-003	0.0667		240.6977	240.6977	6.8500e-003		240.8690
<b>Total</b>	<b>0.1144</b>	<b>0.1655</b>	<b>0.9289</b>	<b>2.6900e-003</b>	<b>0.2523</b>	<b>1.7400e-003</b>	<b>0.2541</b>	<b>0.0671</b>	<b>1.6100e-003</b>	<b>0.0687</b>		<b>269.1566</b>	<b>269.1566</b>	<b>8.6500e-003</b>		<b>269.3729</b>

4.0 Operational Detail - Mobile



WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

4.1 Mitigation Measures Mobile

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Biogenic CO2	Non-Biogenic CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.3 Trip Type Information

Land Use	Miles	Trip %						Trip Purpose %					
		H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0	0	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	lb/day															

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	NaturalGas Use	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		lb/day															
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

Land Use	NaturalGas Use	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
		lb/day															
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		2.0000e-005	2.0000e-005	0.0000		2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		2.0000e-005	2.0000e-005	0.0000		2.0000e-005

**6.2 Area by SubCategory**  
**Unmitigated**

SubCategory	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000					0.0000	0.0000		0.0000	0.0000			2.0000e-005			2.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>2.0000e-005</b>

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6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000		1.0000e-005			0.0000	0.0000		0.0000	0.0000		2.0000e-005	2.0000e-005			2.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>		<b>2.0000e-005</b>

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

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**WEST VALLEY WATER DISTRICT Pipeline**  
**San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.10	User Defined Unit	0.10	0.00	0

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10	Operational Year			2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - 0.1 acre per proj description

Construction Phase - Demo 2 weeks, Pipeline Install 2 weeks, Backfill and Pave 60 days

Off-road Equipment - Cutting and digging: 1 concrete saw, 2 loader/backhoes, 1 excavator, 3 signal boards

Off-road Equipment - Pipeline Install: 1 crane, 2 forklifts, 2 loader/backhoes, 3 signal boards

Off-road Equipment - Backfill and Pave: 1 paver, 1 roller, 1 loader/backhoe, 1 compactor, 3 signal boards

Trips and VMT - 22 worker trips day, 10 dump trucks 80 miles round trip

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	10.00

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tbConstructionPhase	NumDays	PhaseStartDate	PhaseEndDate	PhaseStartDate	PhaseEndDate	60.00
tbConstructionPhase		2/4/2022	10/1/2021			
tbConstructionPhase		2/1/2022	12/24/2021			
tbConstructionPhase	PhaseStartDate	2/5/2022	10/2/2021			
tblLandUse	LotAcreage	0.00	0.10			
tbOffRoadEquipment	OffRoadEquipmentType		Signal Boards			
tbOffRoadEquipment	OffRoadEquipmentType		Excavators			
tbOffRoadEquipment	OffRoadEquipmentType		Signal Boards			
tbOffRoadEquipment	OffRoadEquipmentType		Plate Compactors			
tbOffRoadEquipment	OffRoadEquipmentType		Signal Boards			
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00			
tbOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00			
tbOffRoadEquipment	PhaseName		Building Construction			
tbOffRoadEquipment	PhaseName		Demolition			
tbOffRoadEquipment	PhaseName		Demolition			
tbOffRoadEquipment	PhaseName		Paving			
tbOffRoadEquipment	PhaseName		Paving			
tbOffRoadEquipment	UsageHours	8.00	6.00			
tbOffRoadEquipment	UsageHours	7.00	6.00			
tbOffRoadEquipment	UsageHours	7.00	6.00			
tbOffRoadEquipment	UsageHours	8.00	6.00			
tbOffRoadEquipment	UsageHours	7.00	6.00			
tbOffRoadEquipment	HaulingTripNumber	0.00	10.00			
tbOffRoadEquipment	VendorTripLength	6.90	80.00			
tbOffRoadEquipment	VendorTripNumber	0.00	1.00			
tbOffRoadEquipment	VendorTripNumber	0.00	1.00			
tbOffRoadEquipment	WorkerTripNumber	0.00	22.00			



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tbTripsAndVMT	WorkerTripNumber	10.00	22.00
tbTripsAndVMT	WorkerTripNumber	18.00	22.00

2.0 Emissions Summary

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**2.1 Overall Construction**

**Unmitigated Construction**

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	0.0328	0.2670	0.3012	5.4000e-004	9.9600e-003	0.0137	0.0236	2.6500e-003	0.0128	0.0154	0.0000	45.4804	45.4804	0.0102	0.0000	45.7341
Maximum	0.0328	0.2670	0.3012	5.4000e-004	9.9600e-003	0.0137	0.0236	2.6500e-003	0.0128	0.0154	0.0000	45.4804	45.4804	0.0102	0.0000	45.7341

**Mitigated Construction**

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2021	0.0328	0.2128	0.3012	5.4000e-004	9.9600e-003	0.0137	0.0236	2.6500e-003	0.0128	0.0154	0.0000	45.4804	45.4804	0.0102	0.0000	45.7341
Maximum	0.0328	0.2128	0.3012	5.4000e-004	9.9600e-003	0.0137	0.0236	2.6500e-003	0.0128	0.0154	0.0000	45.4804	45.4804	0.0102	0.0000	45.7341

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-1-2021	9-30-2021	0.0857	0.0699
		Highest	0.0857	0.0699

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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2.2 Overall Operational

Mitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Area	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	9/14/2021	5	10	
2	Building Construction	Building Construction	9/18/2021	10/1/2021	5	10	
3	Paving	Paving	10/2/2021	12/24/2021	5	60	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	4.00	158	0.38
Demolition	Concrete/Industrial Saws	1	6.00	81	0.73
Demolition	Signal Boards	3	8.00	6	0.82
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Signal Boards	3	8.00	6	0.82
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	6.00	80	0.38
Paving	Plate Compactors	1	6.00	8	0.43
Paving	Signal Boards	3	8.00	6	0.82
Building Construction	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	6.00	97	0.37

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction		5	22.00	1.00	0.00	14.70	6.90	20.00;LD_Mix	HDT_Mix	HHDT
Demolition		4	22.00	0.00	10.00	14.70	80.00	20.00;LD_Mix	HDT_Mix	HHDT
Paving		7	22.00	1.00	0.00	14.70	6.90	20.00;LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
	tons/Yr										MTYr					
Off-Road	4.2800e-003	0.0364	0.0435	7.0000e-005	1.9600e-003	1.9600e-003	1.9600e-003	1.8700e-003	1.8700e-003	1.8700e-003	0.0000	5.8746	5.8746	1.2200e-003	0.0000	5.9051
<b>Total</b>	<b>4.2800e-003</b>	<b>0.0364</b>	<b>0.0435</b>	<b>7.0000e-005</b>	<b>1.9600e-003</b>	<b>1.9600e-003</b>	<b>1.9600e-003</b>	<b>1.8700e-003</b>	<b>1.8700e-003</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.8746</b>	<b>5.8746</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>5.9051</b>

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3.2 Demolition - 2021

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	3.0000e-005	1.1700e-003	1.9000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3702	0.3702	2.0000e-005	0.0000	0.3707
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	3.8000e-004	3.9200e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0009	1.0009	3.0000e-005	0.0000	1.0016
<b>Total</b>	<b>5.4000e-004</b>	<b>1.5500e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.3711</b>	<b>1.3711</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.3723</b>

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	4.2800e-003	0.0256	0.0435	7.0000e-005	1.9600e-003	1.9600e-003	1.9600e-003	1.8700e-003	1.8700e-003	1.8700e-003	0.0000	5.8746	5.8746	1.2200e-003	0.0000	5.9051
<b>Total</b>	<b>4.2800e-003</b>	<b>0.0256</b>	<b>0.0435</b>	<b>7.0000e-005</b>	<b>1.9600e-003</b>	<b>1.9600e-003</b>	<b>1.9600e-003</b>	<b>1.8700e-003</b>	<b>1.8700e-003</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.8746</b>	<b>5.8746</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>5.9051</b>

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3.2 Demolition - 2021

Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	3.0000e-005	1.1700e-003	1.9000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.3702	0.3702	2.0000e-005	0.0000	0.3707
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	3.8000e-004	3.9200e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0009	1.0009	3.0000e-005	0.0000	1.0016
<b>Total</b>	<b>5.4000e-004</b>	<b>1.5500e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>1.0000e-005</b>	<b>1.3000e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>1.3711</b>	<b>1.3711</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>1.3723</b>

3.3 Building Construction - 2021

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	4.2700e-003	0.0406	0.0352	6.0000e-005	2.1700e-003	2.1700e-003	2.1700e-003	2.0100e-003	2.0100e-003	2.0100e-003	0.0000	4.9927	4.9927	1.4700e-003	0.0000	5.0294
<b>Total</b>	<b>4.2700e-003</b>	<b>0.0406</b>	<b>0.0352</b>	<b>6.0000e-005</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>2.0100e-003</b>	<b>2.0100e-003</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>4.9927</b>	<b>4.9927</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>5.0294</b>



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**3.3 Building Construction - 2021**

**Unmitigated Construction Off-Site**

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.9000e-004	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1270	0.1270	1.0000e-005	0.0000	0.1272
Worker	5.1000e-004	3.8000e-004	3.9200e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0009	1.0009	3.0000e-005	0.0000	1.0016
<b>Total</b>	<b>5.2000e-004</b>	<b>8.7000e-004</b>	<b>4.0200e-003</b>	<b>1.0000e-005</b>	<b>1.2400e-003</b>	<b>1.0000e-005</b>	<b>1.2400e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1279</b>	<b>1.1279</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1288</b>

**Mitigated Construction On-Site**

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	4.2700e-003	0.0352	0.0352	6.0000e-005	2.1700e-003	2.1700e-003	2.1700e-003	2.0100e-003	2.0100e-003	2.0100e-003	0.0000	4.9927	4.9927	1.4700e-003	0.0000	5.0294
<b>Total</b>	<b>4.2700e-003</b>	<b>0.0352</b>	<b>0.0352</b>	<b>6.0000e-005</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>2.1700e-003</b>	<b>2.0100e-003</b>	<b>2.0100e-003</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>4.9927</b>	<b>4.9927</b>	<b>1.4700e-003</b>	<b>0.0000</b>	<b>5.0294</b>

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**3.3 Building Construction - 2021**

**Mitigated Construction Off-Site**

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	4.9000e-004	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1270	0.1270	1.0000e-005	0.0000	0.1272
Worker	5.1000e-004	3.8000e-004	3.9200e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0009	1.0009	3.0000e-005	0.0000	1.0016
<b>Total</b>	<b>5.2000e-004</b>	<b>8.7000e-004</b>	<b>4.0200e-003</b>	<b>1.0000e-005</b>	<b>1.2400e-003</b>	<b>1.0000e-005</b>	<b>1.2400e-003</b>	<b>3.3000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1279</b>	<b>1.1279</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.1288</b>

**3.4 Paving - 2021**

**Unmitigated Construction On-Site**

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0201	0.1823	0.1904	3.1000e-004	9.4600e-003	9.4600e-003	8.8200e-003	8.8200e-003	8.8200e-003	8.8200e-003	0.0000	25.3469	25.3469	7.1600e-003	0.0000	25.5258
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0201</b>	<b>0.1823</b>	<b>0.1904</b>	<b>3.1000e-004</b>	<b>9.4600e-003</b>	<b>9.4600e-003</b>	<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>0.0000</b>	<b>25.3469</b>	<b>25.3469</b>	<b>7.1600e-003</b>	<b>0.0000</b>	<b>25.5258</b>

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3.4 Paving - 2021

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	2.9200e-003	5.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.7619	0.7619	5.0000e-005	0.0000	0.7632
Worker	3.0400e-003	2.3000e-003	0.0235	7.0000e-005	7.2400e-003	5.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9700e-003	0.0000	6.0053	6.0053	1.7000e-004	0.0000	6.0096
<b>Total</b>	<b>3.1200e-003</b>	<b>5.2200e-003</b>	<b>0.0241</b>	<b>8.0000e-005</b>	<b>7.3300e-003</b>	<b>6.0000e-005</b>	<b>7.4700e-003</b>	<b>1.9700e-003</b>	<b>4.0000e-005</b>	<b>2.0300e-003</b>	<b>0.0000</b>	<b>6.7672</b>	<b>6.7672</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>6.7727</b>

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0201	0.1443	0.1904	3.1000e-004	9.4600e-003	9.4600e-003	9.4600e-003	8.8200e-003	8.8200e-003	8.8200e-003	0.0000	25.3468	25.3468	7.1600e-003	0.0000	25.5258
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0201</b>	<b>0.1443</b>	<b>0.1904</b>	<b>3.1000e-004</b>	<b>9.4600e-003</b>	<b>9.4600e-003</b>	<b>9.4600e-003</b>	<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>0.0000</b>	<b>25.3468</b>	<b>25.3468</b>	<b>7.1600e-003</b>	<b>0.0000</b>	<b>25.5258</b>

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3.4 Paving - 2021

Mitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/Yr										MT/Yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	2.9200e-003	5.9000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.7619	0.7619	5.0000e-005	0.0000	0.7632
Worker	3.0400e-003	2.3000e-003	0.0235	7.0000e-005	7.2400e-003	5.0000e-005	7.2800e-003	1.9200e-003	4.0000e-005	1.9700e-003	0.0000	6.0053	6.0053	1.7000e-004	0.0000	6.0096
<b>Total</b>	<b>3.1200e-003</b>	<b>5.2200e-003</b>	<b>0.0241</b>	<b>8.0000e-005</b>	<b>7.4300e-003</b>	<b>6.0000e-005</b>	<b>7.4700e-003</b>	<b>1.9700e-003</b>	<b>4.0000e-005</b>	<b>2.0300e-003</b>	<b>0.0000</b>	<b>6.7672</b>	<b>6.7672</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>6.7727</b>

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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Category	tons/yr											MTYr				
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.3 Trip Type Information

Land Use	Miles						Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.553113	0.036408	0.180286	0.116335	0.016165	0.005101	0.018218	0.063797	0.001357	0.001565	0.005903	0.000808	0.000944

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr											MT/yr				
Electricity Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

Land Use	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	KBTU/yr	tons/yr											MT/yr				
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

Land Use	NaturalGas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**5.3 Energy by Land Use - Electricity**  
**Mitigated**

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Category	FOG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



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6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOX	CO	SO2	tons/yr			MT/yr			Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total						
Architectural Coating	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

SubCategory	ROG	NOX	CO	SO2	tons/yr			MT/yr			Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total						
Architectural Coating	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

7.0 Water Detail

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Annual

**7.1 Mitigation Measures Water**

Category	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Annual

**7.2 Water by Land Use**

**Mitigated**

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

Category/Year	Total CO2	CH4	N2O	CO2e
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Annual

**8.2 Waste by Land Use**

**Unmitigated**

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

WEST VALLEY WATER DISTRICT Pipeline - San Bernardino-South Coast County, Annual

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

**APPENDIX 2**

# Biological Resources Assessment & Jurisdictional Delineation Report



**Jacobs**



West Valley Water District  
18-inch Transmission Main Installation Project

Biological Resources Assessment And  
Jurisdictional Delineation Report

Document No. | FINAL  
September 2021

Tom Dodson & Associates

Document history and status

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2021 Tom Dodson & Associates  
West Valley Water District  
18-inch Transmission Main Installation Project  
BRA/JD

**Jacobs**

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## WVWD 18-inch Transmission Main Installation Project

Project No: W3X83304 (WV-090)  
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Appendix A. CNDDDB Species and Habitats Documented Within the *Devore* and *Cucamonga Peak* USGS  
7.5-Minute Quadrangles

Appendix B. Site Photos

Appendix C. Regulatory Framework

## Executive Summary

Jacobs Engineering Group, Inc. was retained by Tom Dodson and Associates to conduct a Biological Resources Assessment and Jurisdictional Delineation for the West Valley Water District's proposed 18-inch Transmission Main Installation Project. The proposed Project would connect a new 18-inch transmission main to an existing 18-inch transmission main at Lytle Creek Road and bore under the Interstate 15 freeway, terminating at Citrus Avenue in the City of Fontana and unincorporated San Bernardino County, California.

In August of 2021, Jacobs biologists conducted a Biological Resources Assessment survey to address potential effects of the Project on designated Critical Habitats and/or special status species. Results of the Biological Resources Assessment are intended to provide sufficient baseline information to the Project Proponent and, if required, to City and/or County planning officials and federal and state regulatory agencies to determine if the Project is likely to result in any adverse effects on sensitive biological resources and to identify mitigation measures to offset those effects. Data regarding biological resources in the Project vicinity were obtained through literature review and field investigation. Available databases and documentation relevant to the Project Area were reviewed for documented occurrences of sensitive species that could potentially occur in the Project vicinity, including the U.S. Fish and Wildlife Service designated Critical Habitat online mapper and Information for Planning and Consultation System, as well as the most recent versions of the California Natural Diversity Database and California Native Plant Society Electronic Inventory. The result of the reconnaissance-level field survey was that no state or federally listed species were identified within the Project Area and the Project is not within any federal Critical Habitat. Due to the environmental conditions on site and the adjacent disturbances, the Project Area is likely not suitable to support any of the special status wildlife species that have been documented in the Project vicinity (within approximately 3 miles).

Jacobs biologists also assessed the Project Area for the presence of state and/or federal jurisdictional waters that may potentially be impacted by the Project. The jurisdictional waters assessment was conducted in accordance with the U.S. Army Corps of Engineers *Wetlands Delineation Manual, Jurisdictional Determination Form Instructional Guidebook*, and *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region*. The result of the jurisdictional waters assessment is that there are no wetland or non-wetland jurisdictional waters within the Project Area. Therefore, the Project will not impact any jurisdictional waters and no state or federal jurisdictional waters permitting will be required under current regulation.

This report describes delineated resources, provides an aquatic resource delineation map, identifies state and/or federally listed species with potential to occur on site and presents representative site photographs. The delineation results and conclusions presented in this report are considered preliminary and valid under current regulatory context. Additionally, according to protocol and standard practices, the results of the habitat assessment surveys will remain valid for the period of one year, or until August 2022, after which time, if the site has not been disturbed in the interim, another survey may be required to determine the persisting absence of special status species and to verify environmental conditions on site. Regardless of survey results and conclusions given herein, if any state or federally listed species are found on site during Project-related work activities, all activities likely to affect the animal(s) should cease immediately and regulatory agencies should be contacted to determine appropriate management actions.

## 1. Introduction

The West Valley Water District (WVWD) serves customers in the Cities of Rialto, Fontana, Colton, Jurupa Valley ("Riverside County") and unincorporated areas of San Bernardino County, serving over 80,000 residents within these jurisdictions. The District obtains water from both local and imported sources to serve its customers, including about 68% from groundwater, 18% from surface water diversions from Lytle Creek, and 14% from the State Water Project. The service area consists of eight (8) pressure zones: Zone 2, 3, 3A, 4, 5, 6, 7 and 8, and is divided into Northern and Southern systems by the central portion of the City of Rialto.

Pressure Zone 7 is north of Pressure Zone 6 in WVWD's North System. Storage is provided by Reservoirs (R7-1, R7-2, R7-3, and R7-4) on Lytle Creek Road. There is currently no source of supply within Pressure Zone 7, as water is boosted from the Lower Pressure Zones (4, 5, and 6) to serve that area. As such, the District is proposing a new 650-linear-foot (LF), 18-inch transmission main to facilitate supply to accommodate the increase in development that is projected to occur in Pressure Zone 7.

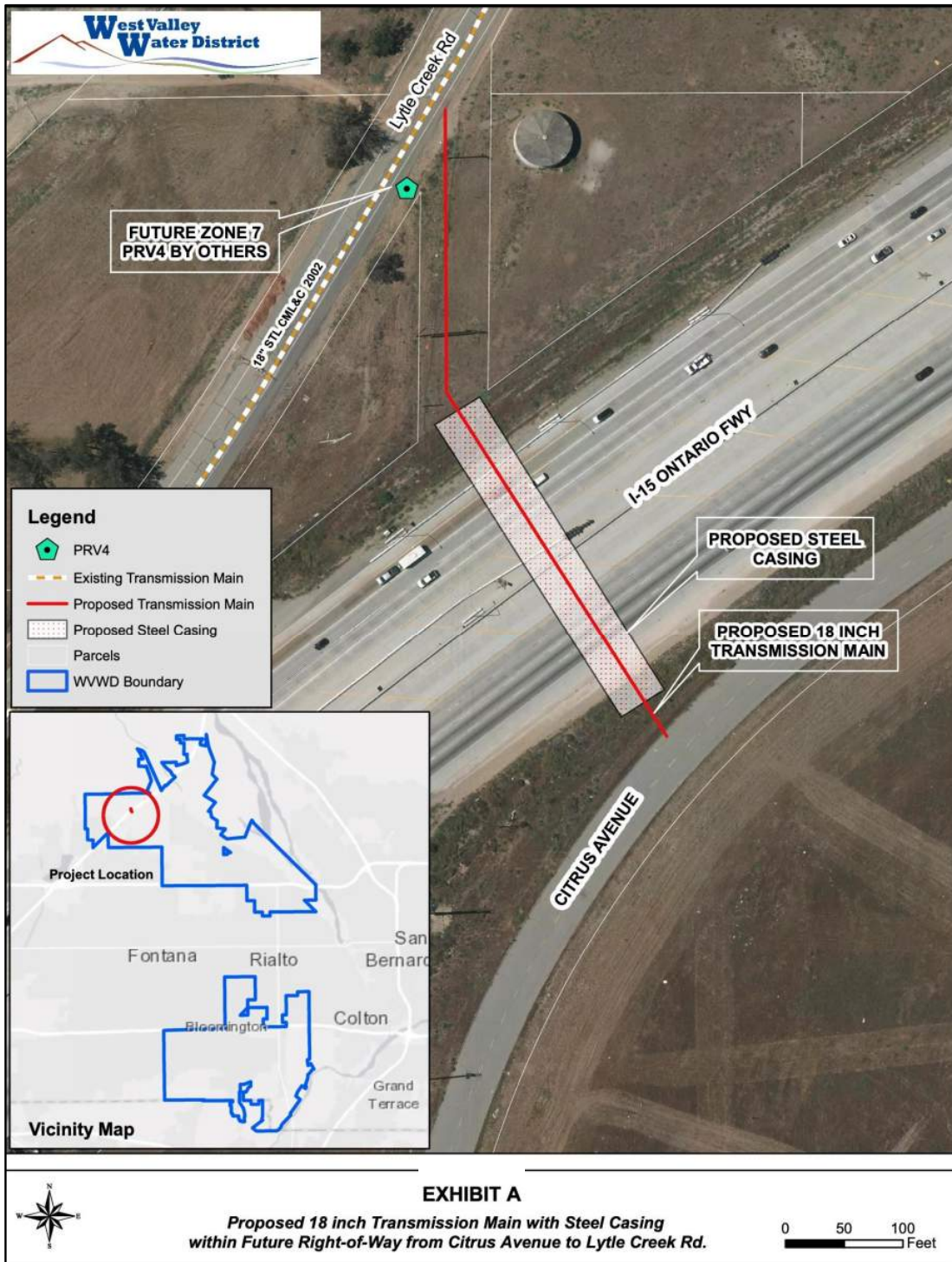
On behalf of Tom Dodson and Associates (TDA), Jacobs Engineering Group, Inc. (Jacobs) has prepared this Biological Resources Assessment (BRA) report for WVWD's proposed 18-inch Transmission Main Installation Project (Project). The BRA fieldwork was conducted by Jacobs biologist Daniel Smith in August of 2021. The purpose of the BRA survey was to address potential effects of the Project on designated Critical Habitats and/or any species currently listed or formally proposed for listing as endangered or threatened under the federal Endangered Species Act (ESA) and/or the California Endangered Species Act (CESA), as well as any species otherwise designated as sensitive by the California Department of Fish and Wildlife (CDFW [formerly California Department of Fish and Game]) and/or the California Native Plant Society (CNPS).

The Project Area was assessed for sensitive species known to occur locally. Attention was focused on those state and/or federally listed as threatened or endangered species and California Fully Protected species that have been documented in the vicinity of the Project Area, whose habitat requirements are present within or adjacent to the Project Area. Results of the habitat assessment are intended to provide sufficient baseline information to the Project Proponent (WVWD) and, if required, to City, County or other local government planning officials and federal and state regulatory agencies, including the U.S. Fish and Wildlife Service (USFWS) and CDFW, respectively, to determine if the Project is likely to result in any adverse effects on sensitive biological resources and to identify mitigation measures to offset those effects.

In addition to the BRA survey, Jacobs biologists assessed the Project Area for the presence of state and/or federal jurisdictional waters potentially subject to regulation by the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA), Regional Water Quality Control Board (RWQCB) under Section 401 of the CWA and Porter Cologne Water Quality Control Act, and CDFW under Section 1600 of the California FGC, respectively.

### 1.1 Project Description

The Project would consist of installing approximately 650 LF of 18-inch transmission main within Pressure Zone 7 (Figure 1). The proposed transmission main would connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Interstate 15 (I-15) freeway and terminate at Citrus Avenue in an unimproved area. Approximately 250 LF of 18-inch diameter pipe would be trenched in the unimproved area. The proposed pits for the jack and bore would be approximately 40 feet in length and 20 feet in width and would be located outside the Caltrans right-of-way (ROW). The pipeline that would traverse under the I-15 includes trenchless installation of approximately 325 LF of 18-inch diameter carrier pipe in a 30-inch diameter casing under the I-15 freeway to connect to segments at either side of the freeway. The segments of pipeline would be installed mostly within unimproved areas between Lytle Creek Road and Citrus Avenue (Figure 1).



SOURCE: West Valley Water District

FIGURE 1

**Jacobs** **Proposed Project Layout**  
WVWD 18-inch Transmission Main Installation Project

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West Valley Water District  
18-inch Transmission Main Installation Project  
BRA/JD

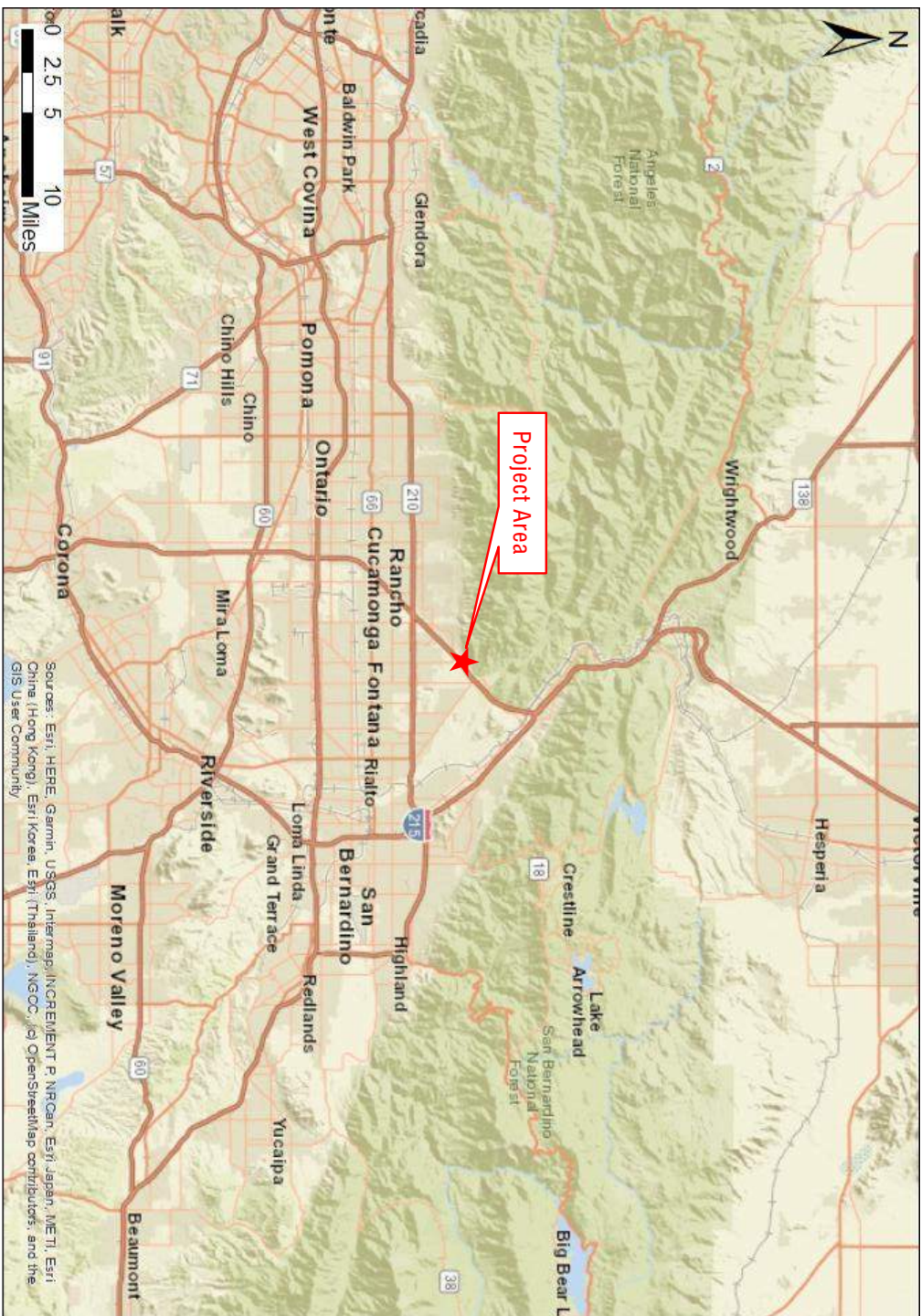
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**Jacobs**

## 1.2 Location

The WVWD service area is in southern California within southwestern San Bernardino County, with a small part in northern Riverside County. The WVWD's service area is shown on Figure 1. The Project will occur within the northern portion of the WVWD service area, within an easement between Lytle Creek Road to the north and Citrus Avenue to the south, traversing under the I-15 freeway within unincorporated San Bernardino County and the City of Fontana. The Project Area is depicted on the *Devore* U. S. Geological Survey's (USGS) 7.5-Minute Series Quadrangle map, within Section 18 of Township 1 North and Range 5 West, San Bernardino Base Meridian. The approximate GPS coordinates of the Project Area are 34.171502°, -117.453627°. Please refer to Figures 2 and 3 for the regional and site location maps.

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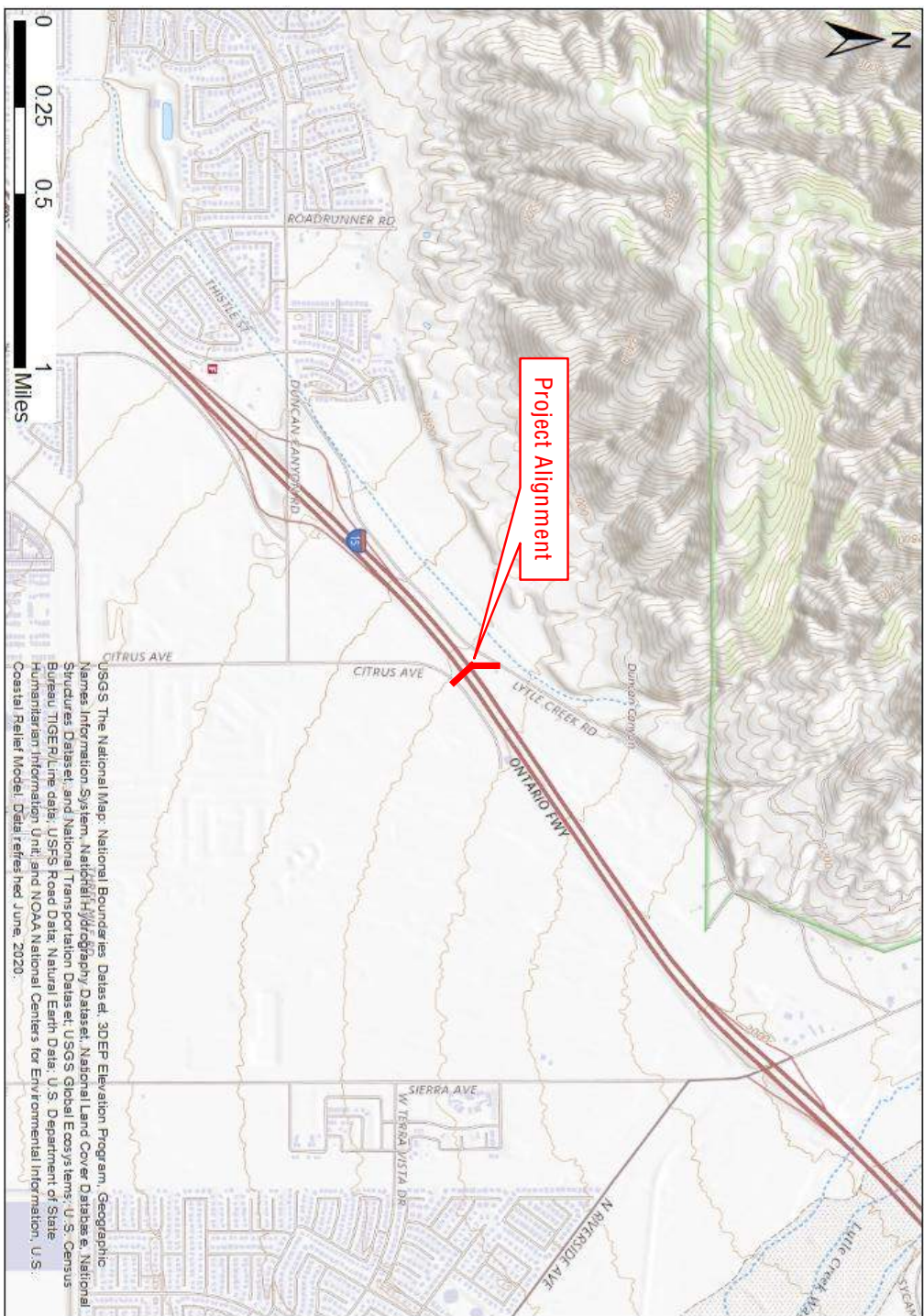
SOURCE: Esri ArcMap 10.6 – World Street Map 1:500,000 scale

FIGURE 2



Regional Location  
WWWD 18-inch Transmission Main Installation Project

2021 Tom Dodson & Associates  
West Valley Water District  
18-inch Transmission Main Installation Project  
BRA/JD



SOURCE: Esri ArcMap 10.6 – USGS Topo 1:24,000 scale

FIGURE 3



Topographic Map of Project Location  
WWWD 18-inch Transmission Main Installation Project



### 1.3 Environmental Setting

The Project Area lies in the geographically based ecological classification known as the Inland Valleys – Level IV ecoregion, of the Southern California/Northern Baja Coast – Level III ecoregion (Griffith et al. 2016). The goal of regional ecological classifications is to reduce variability based on spatial covariance in climate, geology, topography, climax vegetation, hydrology, and soils. The Inland Valleys ecoregion is a heavily urbanized ecoregion that historically consisted of the alluvial fans and basin floors immediately south of the San Gabriel and San Bernardino Mountains (Griffith et al. 2016).

The Project Area is situated near the northern end of the broad alluvial fan that lies to the southwest of Lytle Creek, northwest of the Lytle Creek Wash/Cajon Wash confluence, and south of the eastern end of the San Gabriel Mountain foothills. The topography of the Project site consists of a flat, graded landscape, comprised of existing transportation corridor and adjacent disturbed landscape. The elevation of the Project site ranges from approximately 1,865 feet above mean sea level (amsl) at the north end of the Project alignment, to 1,845 feet amsl at the south end of the Project alignment.

The Project Area is within a hot-summer Mediterranean climate (Csa), characterized by both seasonal and annual variations in temperature and precipitation. Average annual maximum temperatures peak at 96.2 degrees Fahrenheit (° F) in July and August and drop to an average annual minimum temperature of 38.5° F in January. Average annual precipitation is greatest from November through April and reaches a peak in February (3.25 inches). Precipitation is lowest in the month of July (0.04 inches). Annual total precipitation averages 16.12 inches.

Hydrologically, the Project Area is situated within the Rialto Hydrologic Sub-Area (HSA 801.43). The Rialto HSA comprises a 4,577-acre drainage area, within the larger Santa Ana Watershed (HUC 18070203). The Santa Ana River is the major hydrogeomorphic feature within the Santa Ana Watershed. The nearest tributary to the Santa Ana River is Lytle Creek, which flows generally northwest to southeast, approximately 1.5 miles northeast of the Project site at its closest point.

Soils within the Project Areas consist of fill material and Tujunga gravelly loamy sand, 0 to 9 percent slopes. Tujunga gravelly loamy sand soil type consists of gravelly loamy sand and gravelly sand layers comprised of alluvium derived from granite. This soil type is somewhat excessively drained, with a very low runoff class and does not have a hydric soil rating.

The Fontana area consists of a mix of urban landscapes, disturbed vacant land, and undeveloped chaparral, sage scrub, and grassland habitats. The Project Area consists of existing transportation corridor (I-15), paved roadways (Lytle Creek Road to the north and Citrus Avenue to the south), and disturbed, vacant land. Adjacent land consists of non-native grassland and unvegetated (disked) bare ground.

## 2. Assessment Methodology

### 2.1 Biological Resources Assessment

Data regarding biological resources in the Project vicinity were obtained through literature review, desktop evaluation and field investigation. Prior to performing the field survey, available databases, and documentation relevant to the Project Area were reviewed for documented occurrences of sensitive species that could potentially occur in the Project vicinity. The USFWS designated Critical Habitat online mapper, USFWS threatened and endangered species occurrence data overlay, and the most recent versions of the California Natural Diversity Database (CNDDDB) and California Native Plant Society Electronic Inventory (CNPSEI) databases were searched for sensitive species data in the *Devore* and *Cucamonga Peak* USGS 7.5-Minute Series Quadrangles. The Project site is situated within the western portion of the *Devore* quad and the sites' proximity to the *Cucamonga Peak* quad led to its inclusion in the review. These databases contain records of reported occurrences of state and federally listed species or otherwise sensitive species and habitats that may occur within the vicinity of the Project site (approximately 3 miles). Other available technical information on the biological resources of the area was also reviewed including previous surveys and recent findings.

#### 2.1.1 Biological Resources Assessment Field Survey

Jacobs biologist Daniel Smith conducted a biological resources assessment of the Project Area on August 23, 2021. The reconnaissance-level field survey consisted of a pedestrian survey that encompassed the entire Project Area and included 100 percent visual coverage of the site and immediate surrounding area. Wildlife species were detected during field surveys by sight, calls, tracks, scat, and/or other sign. In addition to species observed, expected wildlife usage of the site was determined based on known habitat preferences of regional wildlife species and knowledge of their relative distributions in the area. The focus of the faunal species survey was to identify potential habitat for special status wildlife that may occur within the Project vicinity.

### 2.2 Jurisdictional Delineation

On August 23, 2021, Mr. Smith also evaluated the Project Area for the presence of riverine/riparian/wetland habitat and jurisdictional waters, i.e. Waters of the U.S. (WOTUS), as regulated by the USACE and RWQCB, and/or jurisdictional streambed and associated riparian habitat as regulated by the CDFW. Prior to the field visit, aerial photographs of the Project Area were viewed and compared with the surrounding USGS 7.5-Minute Topographic Quadrangle maps to identify drainage features within the survey area as indicated from topographic changes, blue-line features, or visible drainage patterns. The USFWS National Wetland Inventory (NWI) and Environmental Protection Agency (EPA) Water Program "My Waters" Google Earth Pro data layers were also reviewed to determine whether any hydrologic features and wetland areas had been documented within the vicinity of the site. Similarly, the United States Department of Agriculture (USDA) – Natural Resources Conservation Service (NRCS) "Web Soil Survey" was reviewed for soil types found within the Project Area to identify the soil series in the area and to check these soils to determine whether they are regionally identified as hydric soils. Upstream and downstream connectivity of waterways (if present) were reviewed on Google Earth Pro aerial photographs and topographic maps to determine jurisdictional status. The lateral extent of potential USACE jurisdiction was measured at the Ordinary High Water Mark (OHWM) in accordance with regulations set forth in 33CFR part 328 and the USACE guidance documents listed below:

- *USACE – Corps of Engineers Wetlands Delineation Manual, Wetlands Research Program Technical Report Y-87-1 (on-line edition), January 1987 - Final Report.*
- *USACE – Jurisdictional Determination Form Instructional Guidebook (JD Form Guidebook), May 30, 2007.*

- *USACE – A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (A Delineation Manual), August 2008.*
- *USACE – Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0), September 2008.*
- *USACE – Minimum Standards for Acceptance of Aquatic Resources Delineation Reports (Minimum Standards), January 2016.*
- *The Environmental Protection Agency (EPA) and the Department of the Army's "Navigable Waters Protection Rule: Definition of "Waters of the United States,"" April 21, 2020 (effective June 22, 2020) (85 FR 22250).*

To be considered a *jurisdictional wetland* under the federal CWA, Section 404, an area must possess three (3) wetland characteristics: *hydrophytic vegetation*, *hydric soils*, and *wetland hydrology*.

- ▶ ***Hydrophytic vegetation:*** Hydrophytic vegetation is plant life that grows, and is typically adapted for life, in permanently or periodically saturated soils. The hydrophytic vegetation criterion is met if more than 50 percent of the dominant plant species from all strata (tree, shrub, and herb layers) is considered hydrophytic. Hydrophytic species are those included on the 2018 National Wetland Plant Lists for the Arid West Region (USACE 2018). Each species on the lists is rated with a wetland indicator category, as shown in Table 1. To be considered hydrophytic, the species must have *wetland indicator status*, i.e., be rated as OBL, FACW or FAC.

Table 1. Wetland Indicator Vegetation Categories

Category	Probability
Obligate Wetland (OBL)	Almost always occur in wetlands (estimated probability >99%)
Facultative Wetland (FACW)	Usually occur in wetlands (estimated probability 67 to 99%)
Facultative (FAC)	Equally likely to occur in wetlands and non-wetlands (estimated probability 34 to 66%)
Facultative Upland (FACU)	Usually occur in non-wetlands (estimated probability 67 to 99%)
Obligate Upland (UPL)	Almost always occur in non-wetlands (estimated probability >99%)

- ▶ ***Hydric Soil:*** Soil maps from the USDA-NRCS Web Soil Survey (USDA 2021) were reviewed for soil types found within the Project Area. Hydric soils are saturated or inundated long enough during the growing season to develop anaerobic conditions that favor growth and regeneration of hydrophytic vegetation. There are several indirect indicators that may signify the presence of hydric soils including hydrogen sulfide generation, the presence of iron and manganese concretions, certain soil colors, gleying, and the presence of mottling. Generally, hydric soils are dark in color or may be gleyed (bluish, greenish, or grayish), resulting from soil development under anoxic (without oxygen) conditions. Bright mottles within an otherwise dark soil matrix indicate periodic saturation with intervening periods of soil aeration. Hydric indicators are particularly difficult to observe in sandy soils, which are often recently deposited soils of flood plains (entisols) and usually lack sufficient fines (clay and silt) and organic material to allow use of soil color as a reliable indicator of hydric conditions. Hydric soil indicators in sandy soils include accumulations of organic matter in the surface horizon, vertical streaking of subsurface horizons by organic matter, and organic pans.

The hydric soil criterion is satisfied at a location if soils in the area can be inferred or observed to have a high groundwater table, if there is evidence of prolonged soil saturation, or if there are any indicators

suggesting a long-term reducing environment in the upper part of the soil profile. Reducing conditions are most easily assessed using soil color. Soil colors were evaluated using the Munsell Soil Color Charts (Munsell 2000). Soil pits are dug (when necessary) to an approximate depth of 16-20 inches to evaluate soil profiles for indications of anaerobic and redoximorphic (hydric) conditions in the subsurface.

- ▶ Wetland Hydrology. The wetland hydrology criterion is satisfied at a location based upon conclusions inferred from field observations that indicate an area has a high probability of being inundated or saturated (flooded, ponded, or tidally influenced) long enough during the growing season to develop anaerobic conditions in the surface soil environment, especially the root zone (USACE 1987 and USACE 2008).

Evaluation of CDFW jurisdiction followed guidance in the Fish and Game Code and *A Review of Stream Processes and Forms in Dryland Watersheds* (CDFW, 2010). Specifically, CDFW jurisdiction would occur where a stream has a definite course showing evidence of where waters rise to their highest level and to the extent of associated riparian vegetation.

### 3. Results

#### 3.1 Existing Biological and Physical Conditions

The Project Area consists of the approximately 650-foot alignment between Lytle Creek Road to the north, and Citrus Avenue to the south (Figure 1). The proposed impact area is completely disturbed, consisting of existing transportation corridor (I-15), paved roadways (Lytle Creek Road and Citrus Avenue), and the disturbed, vacant land between Lytle Creek Road and Citrus Avenue. Surrounding land uses consist of transportation corridor, paved roadways, and disturbed, vacant land.

The proposed impact area no longer supports any native habitat, but there is some non-native grassland within and adjacent the proposed impact area (see attached Site Photos). Vegetation in the Project Area is dominated by non-native species including non-native brome grasses (*Bromus* spp.), tocalote (*Centaurea melitensis*), and shortpod mustard (*Hirschfeldia incana*). Scattered native species present within the Project Area are mostly ruderal species including Turkey-mullein (*Croton setiger*), jimsonweed (*Datura wrightii*), and common sunflower (*Helianthus annuus*), as well as several California buckwheat (*Eriogonum fasciculatum*).

Birds were the only observed wildlife group during survey and species observed or otherwise detected in the Project Area during the reconnaissance-level survey included:

- Rock pigeon (*Columba livia*)
- American kestrel (*Falco sparverius*)
- House finch (*Haemorhous mexicanus*)
- Black phoebe (*Sayornis nigricans*)
- European starling (*Sturnus vulgaris*)
- Cassin's kingbird (*Tyrannus vociferans*)

#### 3.2 Special Status Species and Habitats

According to the CNDDDB, 45 sensitive species (21 plant species, 24 animal species) and five sensitive habitats have been documented in the *Devore* and *Cucamonga Peak* USGS 7.5-Minute Series Quadrangles. This list of sensitive species and habitats includes any state and/or federally listed threatened or endangered species, California Fully Protected species, CDFW designated Species of Special Concern (SSC), and otherwise Special Animals. "Special Animals" is a general term that refers to all the taxa the CNDDDB is interested in tracking, regardless of their legal or protection status. This list is also referred to as the list of "species at risk" or "special status species." The CDFW considers the taxa on this list to be those of greatest conservation need.

Of the six state and/or federally listed species documented within the *Devore* and *Cucamonga Peak* quads, the following four state and/or federally listed species have been documented in the Project vicinity (within approximately 3 miles):

- San Bernardino kangaroo rat (*Dipodomys merriami parvus*)
- Slender-horned spineflower (*Dodecahema leptoceras*)
- Coastal California gnatcatcher (*Poliophtila californica californica*)
- Least Bell's vireo (*Vireo bellii pusillus*)

Although not a state or federally listed as threatened or endangered species, burrowing owl (*Athene cunicularia*) are considered a state and federal SSC and this species is protected by the international treaty under the Migratory Bird Treaty Act (MBTA) of 1918 and by State law under the California FGC (FGC #3513 & #3503.5).

Additionally, this species is commonly found in open habitats consisting of short or sparse vegetation and disturbed areas. Therefore, burrowing owl will be included in the discussion below.

### 3.2.1 Special Status Species

No state and/or federally listed threatened or endangered species, or other sensitive species were observed within the Project Area during the reconnaissance-level field survey and due to the environmental conditions on site, none are expected to occur. An analysis of the likelihood for occurrence of all CNDDDB sensitive species documented in the *Devore* and *Cucamonga Peak* quads is provided in Appendix A. This analysis considers species' range as well as documentation within the vicinity of the Project site and includes the habitat requirements for each species and the potential for their occurrence on site, based on required habitat elements and range relative to the current site conditions.

#### *Slender-horned spineflower – Endangered (Federal/State)*

The state and federally listed as endangered slender-horned spineflower is a small annual flower that is found in sandy soil in association with mature alluvial scrub. The ideal habitat for this species appears to be a terrace or bench that receives over-bank deposits every 50 to 100 years. This flower is endemic to southwestern California, ranging from central Los Angeles County east to San Bernardino County, and south to southwestern Riverside County in the foothills of the Transverse and Peninsular Ranges, at 200 to 700 meters elevation (Hickman 1993). Only eight areas are still known to support slender-horned spineflower populations, including two in San Bernardino County (Santa Ana River floodplain and Cajon Wash) (CNDDDB 2008). Individuals are small and difficult to locate. This species is only readily detectable in the spring between April and June when in bloom. The Slender-horned spineflower was listed as endangered in January 1982 by the California Fish and Game Commission. On September 28, 1987, it was federally listed as endangered.

**Findings:** According to the CNDDDB, the nearest documented slender-horned spineflower occurrence (2005) is approximately 1.5 miles northeast of the Project site, within the Lytle Creek floodplain. However, the Project Area is likely not suitable to support slender-horned spineflower. The habitat this species is typically associated with (i.e. mature alluvial scrub) is absent from the Project Area and the Project site is outside of the 100-year floodplain. Furthermore, the Project Area consists of paved surfaces, fill material, and disturbed soils that are regularly disked for weed abatement. Therefore, slender-horned spineflower is presumed absent from the Project Area and the Project is not likely to adversely affect this species.

#### *San Bernardino kangaroo rat – Endangered (Federal)*

The federally listed as endangered San Bernardino kangaroo rat (SBKR) is one of three recognized subspecies of Merriam's kangaroo rat (*D. merriami*) in California. The Merriam's kangaroo rat is a small, burrowing rodent species that can be found within inland valleys and deserts of southwest United States of America and northern Mexico. The Dulzura kangaroo rat (*Dipodomys simulans*), the Pacific kangaroo rat (*Dipodomys agilis*) and the Stephens kangaroo rat (*Dipodomys stephensi*) occur in areas occupied by SBKR, but these other species have a wider habitat range. SBKR, however, has a restricted southern California distribution, confined to certain inland valley scrub communities and, more particularly, to scrub communities occurring along rivers, streams, and drainages within the San Bernardino, Menifee, and San Jacinto valleys. Most of these drainages have been historically altered due to a variety of reasons including, mining, off-road vehicle use, road and housing development, and flood control efforts. This increased use of river floodplain resources resulted in a reduction in both the amount and quality of habitat available for SBKR.

The areas which SBKR occupy are subjected to periodic flooding and hence, the dominant vegetation type (alluvial fan sage scrub) is described in general terms as having three successional phases: pioneer, intermediate, and mature as determined by elevation and distance from the main channel and time since previous flooding (Hanes et al. 1989, p. 187, as cited in USFWS 2009). Vegetation cover generally increases with distance from the active stream channel. The pioneer phase is subject to frequent flood disturbance (Smith 1980, p. 133; Hanes et al. 1989, p. 187, as cited in USFWS 2009). The intermediate phase, defined as the area between the active channel and mature terraces, is subject to periodic flooding at longer intervals. The vegetation on intermediate terraces is relatively open. As alluvial fan scrub vegetation ages in the absence of flooding, the suitability of this habitat for the SBKR declines (McKernan 1997, p. 58, as cited in USFWS 2009).

The USFWS listed SBKR as endangered on September 24, 1998 and set aside 33,295 acres of critical habitat for the SBKR in 2002. The USFWS then revised that decision in 2008 after a lawsuit and cut the designation down to 7,779 acres in Riverside and San Bernardino counties. On January 10, 2011, a federal court struck down the 2008 designation. The ruling concluded that the USFWS improperly relied on "core habitat" to define critical habitat for the SBKR rather than specifying the physical and biological features essential for the kangaroo rat's conservation, as the law requires. The ruling reinstated the 2002 designation. The 2002 critical habitat rule for SBKR defined four Primary Constituent Elements (PCEs) that are essential to the conservation of SBKR. These PCEs are as follows: 1) Soil series consisting predominantly of sand, loamy sand, sandy loam, or loam; 2) Alluvial sage scrub and associated vegetation, such as coastal sage scrub and chamise chaparral, with a moderately open canopy; 3) River, creek, stream, and wash channels; alluvial fans; floodplains; floodplain benches and terraces; and historic braided channels that are subject to dynamic geomorphological and hydrological processes typical of fluvial systems within the historical range of the SBKR; and 4) Upland areas proximal to floodplains with suitable habitat.

*Findings:* According to the CNDDDB, the nearest documented SBKR occurrence (2003) is approximately 0.5 miles southeast of the Project site, within fragmented alluvial fan sage scrub habitat on the Fontana Alluvial Fan. This occurrence consists of a remnant population detected during presence/absence trapping studies conducted in 2002 and 2003 (CNDDDB 2021). According to the CNDDDB, two male SBKR were trapped during 250 trap nights in 2002 and one male SBKR was detected in 2003, respectively (CNDDDB 2021). However, the Project Area is likely not suitable to support SBKR. Although there are loamy sand soils within the Project Area (PCE 1), the plant communities this species typically occurs in (i.e. alluvial sage scrub and associated vegetation) are absent from the Project Area (PCEs 2 and 4), and the Project Area is no longer subject to the dynamic hydrological processes (PCE 3) typical of the fluvial systems within the historical range of this species. Furthermore, the Project site is subject to a high level of ongoing human disturbance associated with the I-15 freeway, and the habitat within and adjacent the Project Area consists of non-native grassland that is regularly disked for weed abatement. Therefore, SBKR is presumed absent from the Project Area and the Project is not likely to adversely affect this species.

#### *Coastal California gnatcatcher – Threatened (Federal)*

The federally listed as threatened coastal California gnatcatcher (CAGN) is a resident (non-migratory) small songbird (passerine) which typically nests and forages in coastal sage scrub vegetation in southern California year-round. CAGN occur in dynamic and successional sage scrub habitats and non-sage scrub habitats such as chaparral, grassland, riparian areas, in proximity to sage scrub habitats. This species often nests in California sagebrush (USFWS 2010).

CAGN was federally listed as threatened in 1993 and critical habitat for this species was designated by the USFWS in 2000 and revised in 2007. The PCEs identified by the USFWS for CAGN consist of the following: 1) Dynamic and successional sage scrub habitats: Venturan coastal sage scrub, Diegan coastal sage scrub,

Riversidean sage scrub, Riversidean alluvial fan sage scrub, maritime succulent scrub, southern coastal bluff scrub, and coastal sage-chaparral scrub in Ventura, Los Angeles, Orange, Riverside, San Bernardino, and San Diego Counties that provide space for individual and population growth, normal behavior, breeding, reproduction, nesting, dispersal and foraging; and 2) Non-sage scrub habitats such as chaparral, grassland, riparian areas, in proximity to sage scrub habitats as described for PCE 1 above that provide space for dispersal, foraging, and nesting.

*Findings:* According to the CNDDDB, the nearest documented CAGN occurrence (1991) is approximately 1.4 miles northeast of the Project site, within the Lytle Creek floodplain. However, the Project Area is likely not suitable to support CAGN. The PCEs identified for this species (i.e. dynamic and successional sage scrub habitats and proximal non-sage scrub habitats) are absent from the Project Area. Furthermore, the Project site is subject to a high level of ongoing human disturbance associated with the I-15 freeway, and the habitat within and adjacent the Project Area consists of non-native grassland that is regularly disked for weed abatement. Therefore, CAGN is presumed absent from the Project Area and the Project is not likely to adversely affect this species.

*Least Bell's Vireo – Endangered (Federal/State)*

The least Bell's vireo (LBVI) is a state and federally listed endangered migratory bird species. This species is a small, olive-gray migratory songbird that nests and forages almost exclusively in riparian woodland habitats. LBVI nesting habitat typically consists of well-developed overstory, understory, and low densities of aquatic and herbaceous cover. The understory frequently contains dense sub-shrub or shrub thickets. These thickets are often dominated by plants such as narrow-leaf willow, mulefat, young individuals of other willow species such as arroyo willow or black willow, and one or more herbaceous species. LBVI generally begin to arrive from their wintering range in southern Baja California and establish breeding territories by mid-March to late-March.

LBVI was first proposed for listing as endangered by the USFWS on May 3, 1985, (50 FR 18968 18975) and was subsequently listed as federally endangered on May 2, 1986 (51 FR 16474 16482). Critical habitat units were designated by the USFWS on February 2, 1994 (59 FR 4845) and included reaches of ten streams in six counties in southern California and the surrounding approximately 38,000 acres.

*Findings:* According to the CNDDDB, the nearest documented LBVI occurrence (2007) is approximately 2.7 miles northeast of the Project site, within cottonwood-willow riparian habitat northeast of the Lytle Creek floodplain. However, there is no riparian habitat within or adjacent the Project Area. Therefore, LBVI is presumed absent from the Project Area and the Project is not likely to adversely affect this species.

*Burrowing Owl – SSC*

The burrowing owl (BUOW) is a ground dwelling owl typically found in arid prairies, fields, and open areas where vegetation is sparse and low to the ground. The BUOW is heavily dependent upon the presence of mammal burrows, with ground squirrel burrows being a common choice, in its habitat to provide shelter from predators, inclement weather and to provide a nesting place (Coulombe 1971). They are also known to make use of human-created structures, such as cement culverts and pipes, for burrows. According to the definition provided in the 2012 CDFG Staff Report on Burrowing Owl Mitigation, "Burrowing owl habitat generally includes, but is not limited to, short or sparse vegetation (at least at some time of year), presence of burrows, burrow surrogates or presence of fossorial mammal dens, well-drained soils, and abundant and available prey." BUOW spend a great deal of time standing on dirt mounds at the entrance to a burrow or perched on a fence post or other low to the ground perch from which they hunt for prey. They feed primarily on insects such as grasshoppers, June beetles



and moths, but will also take small rodents, birds, and reptiles. They are active during the day and night but are considered a crepuscular owl; generally observed in the early morning hours or at twilight. The breeding season for BUOW is February 1 through August 31.

BUOW have disappeared from significant portions of their range in the last 15 years and, overall, nearly 60 percent of the breeding groups of owls known to have existed in California during the 1980s had disappeared by the early 1990s (Burrowing Owl Consortium 1993). The BUOW is not listed under the state or federal ESAs but is considered both a state and federal SSC. Additionally, the BUOW is a migratory bird protected by the international treaty under the Migratory Bird Treaty Act of 1918 and by State law under the California FGC (FGC #3513 & #3503.5).

*Findings:* BUOW have not been documented within or adjacent the Project Area. According to the CNDDDB, the nearest documented BUOW occurrence (2009) is approximately 2.3 miles southwest of the Project site. The reconnaissance level pedestrian survey included a BUOW habitat suitability assessment survey that was structured, in part, to detect BUOW. The survey included 100 percent visual coverage of any potentially suitable BUOW habitat within and immediately adjacent the Project site.

The result of the survey was that no evidence of BUOW was found in the survey area. Although there is short, sparse vegetation and well drained soils within and adjacent the Project Area, and the surrounding undeveloped areas likely support sufficient prey resources, no BUOW individuals or sign including castings, feathers or whitewash were observed during survey. Furthermore, no suitably sized burrows, burrow surrogates, or fossorial mammal dens were observed within or adjacent the Project Area. Therefore, BUOW are considered absent from the Project Area at the time of survey and the Project is not likely to adversely affect this species.

### 3.2.2 Special Status Habitats

According to the CNDDDB, five sensitive habitats have been documented in the *Devore* and *Cucamonga Peak* USGS 7.5-Minute Series Quadrangles. None of the five sensitive habitats documented in the CNDDDB query for these quads are present within or adjacent the Project Area. However, Project Area is mapped within USFWS designated Critical Habitat for SBKR. The USFWS Critical Habitat designation for the SBKR encompasses 33,295 acres of land in Riverside and San Bernardino counties, California. The areas designated as critical habitat for SBKR are identified in four separate units. The four units are within the geographical range of the SBKR and support the habitat the species requires for foraging, sheltering, reproduction, rearing of young, dispersal, and genetic exchange.

*Findings:* The Project Area falls just within the boundary of the Lytle and Cajon Creeks Critical Habitat Unit (Unit 2), located in San Bernardino County. Unit 2 encompasses approximately 13,970 acres, and includes suitable alluvial fan, floodplain terrace, and historic braided river channel habitat along Lytle and Cajon Creeks (67 FR 19812 19845). However, the Project site and surrounding area consists of paved surfaces, fill material, and non-native grassland that is regularly disked for weed abatement, and no longer supports the alluvial sage scrub and associated vegetation (PCEs 2 and 4) and dynamic hydrological processes (PCE 3) typical of suitable SBKR habitat. Furthermore, all Project impacts will be temporary, consisting of the installation of an underground pipeline. Therefore, the Project will not result in any loss or adverse modification of USFWS designated Critical Habitat, or any other special status habitats.

### 3.3 Jurisdictional Delineation

The Project Area is within the Rialto Hydrologic Sub-Area (HSA 801.43). The Rialto HSA comprises a 4,577-acre drainage area, within the larger Santa Ana Watershed (HUC 18070203). This watershed is primarily within San Bernardino County and Riverside Counties, with smaller areas in Orange and Los Angeles Counties. The Santa Ana Watershed is bound on the north by the Mojave and Southern Mojave Watersheds, on the southeast by the Whitewater and San Jacinto Watersheds, and on the west by the San Gabriel, Seal Beach, Newport Bay, and Aliso-San Onofre Watersheds. The Santa Ana Watershed encompasses a portion of the San Gabriel and San Bernardino Mountains in the north, the Santa Ana Mountains in the south, and is approximately 1,694 square miles in area. The Santa Ana River is the major hydrogeomorphic feature within the Santa Ana Watershed. The nearest tributary to the Santa Ana River is Lytle Creek, which flows generally northwest to southeast, approximately 1.5 miles northeast of the Project site at its closest point.

#### *Waters of the U.S.*

The USACE has authority to permit the discharge of dredged or fill material in WOTUS under Section 404 of the CWA. WOTUS are defined as:

"All waters used in interstate or foreign commerce; all interstate waters including interstate wetlands; all other waters such as intrastate lakes, rivers, streams (including intermittent and ephemeral streams), mudflats, sand flats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes or natural ponds, where the use, degradation, or destruction of which could affect interstate commerce; impoundments of these waters; tributaries of these waters; or wetlands adjacent to these waters" (Section 404 of the CWA; 33 CFR 328.3 (a)).

Therefore, CWA jurisdiction exists over the following:

1. All traditional navigable waters (TNWs);
2. All wetlands adjacent to TNWs;
3. Non-navigable tributaries of TNWs that are relatively permanent waters (RPWs) i.e., tributaries that typically flow year-round or have continuous flow at least seasonally; and
4. Every water body determined to have a significant nexus with TNWs.

Additionally, areas meeting all three wetland parameters would be designated as USACE wetlands, if they are adjacent to jurisdictional WOTUS, or otherwise determined to have a significant nexus to a TNW.

***Findings:*** There are no wetland or non-wetland WOTUS within the Project Area. Therefore, the Project will not result in any permanent or temporary impacts to WOTUS.

#### *State Lake/Streambed*

There are no lake, river, stream or aquatic resources, stream-dependent wildlife resources or riparian habitats within the Project Area. Therefore, the Project will not result in any permanent or temporary impacts to jurisdictional waters of the State.

## 4. Conclusions and Recommendations

### 4.1 Sensitive Biological Resources

No sensitive species were observed within the Project Area during the reconnaissance-level field survey and due to the environmental conditions on site, none are expected to occur. The Project Area is completely disturbed (see attached Site Photos), consisting of existing transportation corridor (I-15), paved roadways (Lytle Creek Road to the north and Citrus Avenue to the south), and disturbed, vacant land comprised of non-native grassland and unvegetated (disked) bare ground. The Project Area no longer supports any native habitats that would be suitable to support any of the state or federally listed species, or other special status species documented in the Project vicinity. Therefore, the proposed Project is not likely to adversely affect any state or federally listed species, or other special status species, and the potential for any of the sensitive species identified in Appendix A to occur within the Project Area is low. Furthermore, although the Project Area is within USFWS designated Critical Habitat for the federally listed SBKR, and the Project will not result in any loss or adverse modification of Critical Habitat.

#### *Burrowing Owl*

A BUOW habitat suitability assessment was conducted by Jacobs biologists in August 2021 that included 100 percent visual coverage of the Project Area, wherever potentially suitable BUOW habitat was present. The result of the survey was that no evidence of BUOW was found in the survey area. No BUOW individuals or sign including castings, feathers or whitewash were observed and BUOW are considered absent from the Project Area at the time of survey. Although the Project is not likely to adversely affect this species, there is still a potential for the Project Area to become occupied by BUOW between the time the survey was conducted and the commencement of Project-related construction activities. Therefore, the following precautionary avoidance measures are recommended to ensure the Project does not result in any impacts to BUOW:

Pre-construction surveys for BUOW should be conducted no more than 3 days prior to commencement of Project-related ground disturbance to verify that BUOW remain absent from the Project Area.

It is recommended that orange construction fence be installed around the perimeter of the proposed Project footprint and that all Project-related activities, personnel, and equipment be restricted to the clearly identified Project site and existing access roads.

The BUOW is a state and federal SSC and is also protected under the MBTA and by state law under the California FGC (FGC #3513 & #3503.5). In general, impacts to BUOW can be avoided by conducting work outside of their nesting season (peak BUOW breeding season is identified as April 15<sup>th</sup> to August 15<sup>th</sup>). However, if all work cannot be conducted outside of nesting season, a project specific BUOW protection and/or passive relocation plan can be prepared to determine suitable buffers and/or artificial burrow construction locations. Regardless of survey results and conclusions given herein, BUOW are protected by applicable state and federal laws. As such, if a BUOW is found on-site at the time of construction, all activities likely to affect the animal(s) should cease immediately and regulatory agencies should be contacted to determine appropriate management actions. Importantly, nothing given in this report is intended to authorize any form of disturbance to BUOW. Such authorization must come from the appropriate regulatory agencies, including CDFW and/or USFWS.

#### *Nesting Birds*

There is habitat within the Project Area that is suitable to support nesting birds, including both vegetation and man-made structures. Most native bird species are protected from unlawful take by the MBTA (Appendix C). In December 2017, the Department of the Interior (DOI) issued a memorandum concluding that the MBTA's

prohibitions on take apply “[...] only to affirmative actions that have as their purpose the taking or killing of migratory birds, their nests, or their eggs” (DOI 2017). Then in April 2018, the USFWS issued a guidance memorandum that further clarified that the take of migratory birds or their active nests (i.e., with eggs or young) that is incidental to, and not the purpose of, an otherwise lawful activity does not constitute a violation of the MBTA (USFWS 2018).

However, the State of California provides additional protection for native bird species and their nests in the FGC (Appendix C). Bird nesting protections in the FGC include the following (Sections 3503, 3503.5, 3511, 3513 and 3800):

- Section 3503 prohibits the take, possession, or needless destruction of the nest or eggs of any bird.
- Section 3503.5 prohibits the take, possession, or needless destruction of any nests, eggs, or birds in the orders Falconiformes (new world vultures, hawks, eagles, ospreys, and falcons, among others), and Strigiformes (owls).
- Section 3511 prohibits the take or possession of Fully Protected birds.
- Section 3513 prohibits the take or possession of any migratory nongame bird or part thereof, as designated in the MBTA. To avoid violation of the take provisions, it is generally required that Project-related disturbance at active nesting territories be reduced or eliminated during the nesting cycle.
- Section 3800 prohibits the take of any any non-game bird (i.e., bird that is naturally occurring in California that is not a gamebird, migratory game bird, or fully protected bird).

In general, impacts to all bird species (common and special status) can be avoided by conducting work outside of the nesting season, which is generally February 1<sup>st</sup> through August 31<sup>st</sup>. However, if all work cannot be conducted outside of nesting season, the following is recommended:

To avoid impacts to nesting birds (common and special status) during the nesting season, a qualified Avian Biologist should conduct pre-construction nesting bird surveys no more than 3 days prior to Project-related disturbance to suitable nesting areas to identify any active nests. If no active nests are found, no further action would be required. If an active nest is found, the biologist should set appropriate no-work buffers around the nest which would be based upon the nesting species, its sensitivity to disturbance, nesting stage and expected types, intensity, and duration of disturbance. The nest(s) and buffer zones should be field checked weekly by a qualified biological monitor. The approved no-work buffer zone should be clearly marked in the field, within which no disturbance activity should commence until the qualified biologist has determined the young birds have successfully fledged and the nest is inactive.

## 4.2 Jurisdictional Waters

In addition to the BRA, Jacobs also assessed the Project Area for the presence of any state and/or federal jurisdictional waters. The result of the jurisdictional waters assessment is that there are no wetland or non-wetland WOTUS or waters of the State potentially subject to regulation by the USACE under Section 404 of the CWA, the RWQCB under Section 401 of the CWA and/or Porter Cologne Water Quality Control Act, or the CDFW under Section 1602 of the California FGC, respectively. Therefore, the Project will not impact any jurisdictional waters and no state or federal jurisdictional waters permitting will be required.

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BRA/JD – Appendix A

**Jacobs**

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**Appendix A. CNDDDB Species and Habitats Documented Within the  
*Devore* and *Cucamonga Peak* USGS 7.5-Minute  
Quadrangles**

### Special Status Species Occurrence Potential Analysis

Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Ambrosia monogyra</i>	singlehorl burrobush	None/ None	G5; S2; CNPS: 2B.2	Chaparral, Sonoran desert scrub. Sandy soils. 5-475 m.	The habitats this species is associated with are absent from the Project Area. Occurrence potential is low.
<i>Anniella stebbinsi</i>	Southern California legless lizard	None/ None	G3; S3; CDFW: SSC	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Plute Mountains in Kern County. Variety of habitats; generally, in moist, loose soil. They prefer soils with a high moisture content.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i>	San Gabriel manzanita	None/ None	G5T3; S3; CNPS: 1B.2	Chaparral. Rocky outcrops; can be dominant shrub where it occurs. 960-2015 m.	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
<i>Arizona elegans occidentalis</i>	California glossy snake	None/ None	G5T2; S2; CDFW: SSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Artemisiospiza belli</i>	Bell's sage sparrow	None/ None	G5T2T3; S3; CDFW: WL	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range. Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.



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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Athene cucularia</i>	burrowing owl	None/ None	G4; S3; CDFW: SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	This species was absent from the Project Area at the time of survey. However, there is some potentially suitable habitat for this species in the surrounding area. Occurrence potential is low within the Project site and moderate adjacent the Project site.
<i>Batrachoseps gabrieli</i>	San Gabriel slender salamander	None/ None	G2G3; S2S3	Known only from the San Gabriel Mtns. Found under rocks, wood, and fern fronds, and on soil at the base of talus slopes. Most active on the surface in winter and early spring.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Bombus crotchii</i>	Crotch bumble bee	None/ Candidate Endangered	G3G4; S1S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include <i>Anthrinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .	Very few food plants for this species exist in the Project Area. Occurrence potential is low.
California Walnut Woodland	California Walnut Woodland	None/ None	G2; S2.1		This habitat is absent from the Project Area.
<i>Calochortus plummerae</i>	Plummer's mariposa-lily	None/ None	G4; S4; CNPS: 4.2	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland, lower montane coniferous forest. Occurs on rocky and sandy sites, usually of granitic or alluvial material. Can be very common after fire. 60-2500 m.	The Project Area consists of paved surfaces, fill material, and disturbed soils that are regularly disked for weed abatement. Occurrence potential is low.
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily	None/ None	G3G4T2; S3; CNPS: 1B.2	Coastal scrub, chaparral, valley and foothill grassland. Dry, rocky calcareous slopes and rock outcrops. 60-1575 m.	The Project Area consists of paved surfaces, fill material, and disturbed soils that are regularly disked for weed abatement. Occurrence potential is low.

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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	None/ None	G5T3T4; S3S4; CDFW: SSC	Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County. Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse	None/ None	G5T3T4; S3S4; CDFW: SSC	Desert border areas in eastern San Diego County in desert wash, desert scrub, desert succulent scrub, pinyon-juniper, etc. Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Chorizanthe parryi</i>	Parry's spineflower	None/ None	G3T2; S2; CNPS: 1B.1	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland. Dry, sandy soils. 90-1220 m.	The Project Area consists of paved surfaces, fill material, and disturbed soils that are regularly disked for weed abatement. Occurrence potential is low.
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	None/ None	G4T3; S3; CNPS: 1B.2	Mojavean desert scrub, pinyon and juniper woodland, coastal scrub (alluvial fans) Sandy or gravelly places. 365-1830 m.	The Project Area consists of paved surfaces, fill material, and disturbed soils that are regularly disked for weed abatement. Occurrence potential is low.
<i>Claytonia peirsonii</i> ssp. <i>peirsonii</i>	Peirson's spring beauty	None/ None	G2G3T2; S2; CNPS: 1B.2	Upper montane coniferous forest, subalpine coniferous forest. Granitic scree slopes, often with a sandy or fine soil component and granitic cobbles. 1510-2745 m.	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	None/ None	G3; S2.1		This habitat is absent from the Project Area.
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat	Endangered/ Candidate Endangered	G5T1; S1; CDFW: SSC	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains. Needs early to intermediate seral stages.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Endangered/ Endangered	G1; S1; CNPS: 1B.1	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub). Flood deposited terraces and washes; associates include <i>Eneolla</i> , <i>Dalea</i> , <i>Lepidospartum</i> , etc. Sandy soils. 200-765 m.	The environmental conditions and habitats this species is associated with are absent from the Project Area. Occurrence potential is low.

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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	Endangered/ Endangered	G4T1; S1; CNPS: 1B.1	Coastal scrub, chaparral. In sandy soils on river floodplains or terraced fluvial deposits. 180-705 m.	The environmental conditions and habitats this species is associated with are absent from the Project Area. Occurrence potential is low.
<i>Eriogonum microthecum</i> var. <i>johnstonii</i>	Johnston's buckwheat	None/ None	G5T2; S2; CNPS: 1B.3	Subalpine coniferous forest, upper montane coniferous forest. Slopes and ridges on granite or limestone. 1795-2865 m	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
<i>Eumops perotis californicus</i>	western mastiff bat	None/ None	G4G5T4; S3S4; CDFW: SSC	Many open, semi-arid to arid habitats, including conifer & deciduous woodlands, coastal scrub, grasslands, chaparral, etc. Roosts in crevices in cliff faces, high buildings, trees and tunnels.	No suitable roosting habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	None/ None	G4T1; S1; CNPS: 1B.1	Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 15-1645 m.	The habitats this species is associated with are absent from the Project Area. Occurrence potential is low.
<i>Lasurus xanthinus</i>	western yellow bat	None/ None	G4G5; S3; CDFW: SSC	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	No suitable roosting habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	None/ None	G5T3T4; S3S4; CDFW: SSC	Intermediate canopy stages of shrub habitats & open shrub / herbaceous & tree / herbaceous edges. Coastal sage scrub habitats in Southern California.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Lilium parryi</i>	lemon lily	None/ None	G3; S3; CNPS: 1B.2	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest. Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows & seeps. 625-2930 m.	The mesic conditions this species is associated with are absent from the Project Area. Occurrence potential is low.

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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Linanthus concinnus</i>	San Gabriel linanthus	None/ None	G2; S2; CNPS: 1B.2	Lower montane coniferous forest, upper montane coniferous forest, chaparral. Dry rocky slopes, often in Jeffrey pine/canyon oak forest. 1310-2560 m.	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
<i>Lycium parishii</i>	Parish's desert-thorn	None/ None	G4; S1; CNPS: 2B.3	Coastal scrub, Sonoran desert scrub. -3-570 m.	The habitats this species is associated with are absent from the Project Area. Occurrence potential is low.
<i>Malacothamnus parishii</i>	Parish's bush-mallow	None/ None	GXQ; SX; CNPS: 1A	Chaparral, coastal sage scrub. In a wash. 305-455 m.	The environmental conditions and habitats this species is associated with are absent from the Project Area. Occurrence potential is low.
<i>Monardella australis</i> ssp. <i>jokerstii</i>	Jokerst's monardella	None/ None	G4T1?, S1?; CNPS: 1B.1	Lower montane coniferous forest, chaparral. Steep scree or talus slopes between breccia. Secondary alluvial benches along drainages and washes. 210-1740 m.	The environmental conditions and habitats this species is associated with are absent from the Project Area. Occurrence potential is low.
<i>Neolarra alba</i>	white cuckoo bee	None/ None	GH; SH	Known only from localities in Southern California. Cleptoparasitic in the nests of perdita bees.	Unknown.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/ None	G5T3T4; S3S4; CDFW: SSC	Coastal scrub of Southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	None/ None	G5; S3; CDFW: SSC	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc. Rocky areas with high cliffs.	No suitable roosting habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail	None/ None	G5T3; S3; CNPS: 1B.2	Chaparral, Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland. Sandy soil or coarse, granitic loam. 425-2015 m.	This species is absent from the Project Area.

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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Oreonana vestita</i>	woolly mountain-parsley	None/ None	G3; S3; CNPS: 1.B.3	Subalpine coniferous forest, upper montane coniferous forest, lower montane coniferous forest. High ridges; on scree, talus, or gravel. 800-3370 m.	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
<i>Ovis canadensis nelsoni</i>	desert bighorn sheep	None/ None	G4T4; S3; CDFW: FP	Widely distributed from the White Mtns in Mono Co. to the Chocolate Mts in Imperial Co. Open, rocky, steep areas with available water and herbaceous forage.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	None/ None	G5T2; S1S2; CDFW: SSC	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin. Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Phrynosoma blainvillii</i>	coast horned lizard	None/ None	G3G4; S3S4; CDFW: SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Poliophtia californica californica</i>	coastal California gnatcatcher	Threatened/ None	G4G5T3Q; S2; CDFW: SSC	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.
<i>Rana muscosa</i>	southern mountain yellow-legged frog	Endangered/ Endangered	G1; S1; CDFW: WL	Federal listing refers to populations in the San Gabriel, San Jacinto and San Bernardino mountains (southern DPS). Northern DPS was determined to warrant listing as endangered, Apr 2014, effective Jun 30, 2014. Always encountered within a few feet of water. Tadpoles may require 2 - 4 yrs to complete their aquatic development.	The aquatic habitats this species requires do not exist in the Project Area. Therefore, this species is considered absent from the Project Area.

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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Rhinichthys osculus</i> ssp. 8	Santa Ana speckled dace	None/ None	G5T1; S1; CDFW: SSC	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system. Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles.	The aquatic habitats this species requires do not exist in the Project Area. Therefore, this species is considered absent from the Project Area.
Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	None/ None	G1; S1.1		This habitat is absent from the Project Area.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	None/ None	G3; S3; CNPS: 1B.2	Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. 0-605 m.	The mesic conditions this species is associated with are absent from the Project Area. Occurrence potential is low.
Southern Riparian Forest	Southern Riparian Forest	None/ None	G4; S4		This habitat is absent from the Project Area.
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	None/ None	G4; S4		This habitat is absent from the Project Area.
<i>Spea hammondi</i>	western spadefoot	None/ None	G2G3; S3; CDFW: SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	The aquatic habitats this species requires do not exist in the Project Area. Therefore, this species is considered absent from the Project Area.
<i>Streptanthus berrardinus</i>	Laguna Mountains jewelflower	None/ None	G3G4; S3S4; CNPS: 4.3	Chaparral, lower montane coniferous forest. Clay or decomposed granite soils; sometimes in disturbed areas such as streambanks or roadcuts. 1440-2500 m.	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/ None	G4; S3S4; CDFW: SSC	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	The aquatic habitats this species requires do not exist in the Project Area. Therefore, this species is considered absent from the Project Area.

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Scientific Name	Common Name	Listing Status	Other Status	Habitat	Occurrence Potential
<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet	None/ None	G4G5T3; S3; CNPS: 1B.2	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps. Dry mountain peaks and slopes. 1580-3700 m.	The Project Area is outside the known elevation range for this species. Occurrence potential is low.
<i>Vireo bellii pusillus</i>	least Bell's vireo	Endangered/ Endangered	G5T2; S2	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	No suitable habitat for this species exists in the Project Area. Occurrence potential is low.

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Coding and Terms

E = Endangered    T = Threatened    C = Candidate    FP = Fully Protected    SSC = Species of Special Concern    R = Rare

State Species of Special Concern: An administrative designation given to vertebrate species that appear to be vulnerable to extinction because of declining populations, limited acreages, and/or continuing threats. Raptor and owls are protected under section 3502.5 of the California Fish and Game code: "It is unlawful to take, possess or destroy any birds in the orders Falconiformes or Strigiformes or to take, possess or destroy the nest or eggs of any such bird."

State Fully Protected: The classification of Fully Protected was the State's initial effort in the 1960's to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, mammals, amphibians and reptiles. Fully Protected species may not be taken or possessed at any time and no licenses or permits may be issued for their take except for collecting these species for necessary scientific research and relocation of the bird species for the protection of livestock.

Global Rankings (Species or Natural Community Level):

- G1 = Critically Imperiled – At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
- G2 = Imperiled – At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.
- G3 = Vulnerable – At moderate risk of extinction due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
- G4 = Apparently Secure – Uncommon but not rare; some cause for long-term concern due to declines or other factors.
- G5 = Secure – Common, widespread and abundant.

Subspecies Level: Taxa which are subspecies or varieties receive a taxon rank (T-rank) attached to their G-rank. Where the G-rank reflects the condition of the entire species, the T-rank reflects the global situation of just the subspecies. For example: the Point Reyes mountain beaver, *Aplodontia rufa* ssp. *phaea* is ranked G5T2. The G-rank refers to the whole species range i.e., *Aplodontia rufa*. The T-rank refers only to the global condition of ssp. *phaea*.

State Ranking:

- S1 = Critically Imperiled – Critically imperiled in the State because of extreme rarity (often 5 or fewer populations) or because of factor(s) such as very steep declines making it especially vulnerable to extirpation from the State.
- S2 = Imperiled – Imperiled in the State because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the State.
- S3 = Vulnerable – Vulnerable in the State due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation from the State.
- S4 = Apparently Secure – Uncommon but not rare in the State; some cause for long-term concern due to declines or other factors.
- S5 = Secure – Common, widespread, and abundant in the State.

California Rare Plant Rankings (CNPS List):

- 1A = Plants presumed extirpated in California and either rare or extinct elsewhere.
- 1B = Plants rare, threatened, or endangered in California and elsewhere.
- 2A = Plants presumed extirpated in California, but common elsewhere.
- 2B = Plants rare, threatened, or endangered in California, but more common elsewhere.
- 3 = Plants about which more information is needed; a review list.
- 4 = Plants of limited distribution; a watch list.

Threat Ranks:

- 1 = Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- 2 = Moderately threatened in California (20–80% occurrences threatened / moderate degree and immediacy of threat)
- 3 = Not very threatened in California (less than 20% of occurrences threatened / low degree and immediacy of threat or no current threats known)



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## Appendix B. Site Photos



Photo 1. North side of Project alignment; looking southwest along Lytle Creek Road, where the proposed 18-inch CML&C transmission water main would connect to an existing 18-inch transmission main at Lytle Creek Road.



Photo 2. North side of Project alignment, looking south along the proposed 18-inch CML&C transmission water main alignment on the north side of I-15 from Lytle Creek Road.



Photo 3. North side of Project alignment, looking north along the proposed 18-inch CML&C transmission water main alignment on the north side of I-15 from I-15 (on the upper right side).



Photo 4. Approximate location of proposed jack and bore pit on north side of I-15.



Photo 5. South side of Project alignment; looking northwest toward I-15 from Citrus Avenue.



Photo 6. South side of Project alignment; looking southeast toward Citrus Avenue from I-15.

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## Appendix C. Regulatory Framework

## Federal Regulations

### *Clean Water Act*

The purpose of the Clean Water Act (CWA) of 1977 is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Section 404 of the CWA prohibits the discharge of dredged or fill material into "waters of the United States" (WOTUS) without a permit from the United States Army Corps of Engineers (USACE). The definition of waters of the United States includes rivers, streams, estuaries, territorial seas, ponds, lakes, and wetlands. Wetlands are defined as those areas "that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 Code of Federal Regulations [CFR] 328.3 7b). The U.S. Environmental Protection Agency (EPA) also has authority over wetlands and may override a USACE permit. Substantial impacts to wetlands may require an individual permit. Projects that only minimally affect wetlands may meet the conditions of one of the existing Nationwide Permits. A Water Quality Certification or waiver pursuant to Section 401 of the CWA is required for Section 404 permit actions; in California this certification or waiver is issued by the Regional Water Quality Control Board (RWQCB).

### *Navigable Waters Protection Rule*

The USACE has authority to permit the discharge of dredged or fill material in WOTUS under Section 404 of the CWA. According to the EPA and the Department of the Army's April 21, 2020 (effective June 22, 2020) "Navigable Waters Protection Rule: Definition of 'Waters of the United States,'" WOTUS are defined as: "The territorial seas and traditional navigable waters; perennial and intermittent tributaries that contribute surface water flow to such waters; certain lakes, ponds, and impoundments of jurisdictional waters; and wetlands adjacent to other jurisdictional waters." (85 FR 22250). The Navigable Waters Protection Rule specifically excludes from the definition of WOTUS:

- "Groundwater, including groundwater drained through subsurface drainage systems;
- ephemeral features that flow only in direct response to precipitation, including ephemeral streams, swales, gullies, rills, and pools;
- diffuse stormwater runoff and directional sheet flow over upland;
- ditches that are not traditional navigable waters, tributaries, or that are not constructed in adjacent wetlands, subject to certain limitations;
- prior converted cropland;
- artificially irrigated areas that would revert to upland if artificial irrigation ceases;
- artificial lakes and ponds that are not jurisdictional impoundments and that are constructed or excavated in upland or non-jurisdictional waters;
- water-filled depressions constructed or excavated in upland or in non-jurisdictional waters incidental to mining or construction activity, and pits excavated in upland or in non-jurisdictional waters for the purpose of obtaining fill, sand, or gravel;

- stormwater control features constructed or excavated in upland or in non-jurisdictional waters to convey, treat, infiltrate, or store stormwater run-off;
- groundwater recharge, water reuse, and wastewater recycling structures constructed or excavated in upland or in non-jurisdictional waters; and
- waste treatment systems.” (85 FR 22250).

#### *Federal Endangered Species Act (ESA)*

The federal Endangered Species Act (ESA) of 1973 protects plants and wildlife that are listed by the United States Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS) as endangered or threatened. Section 9 of the ESA (USA) prohibits the taking of endangered wildlife, where taking is defined as any effort to “harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct” (50 CFR 17.3). For plants, this statute governs removing, possessing, maliciously damaging, or destroying any endangered plant on federal land and removing, cutting, digging up, damaging, or destroying any endangered plant on non-federal land in knowing violation of state law (16 United States Code [USC] 1538). Under Section 7 of the ESA, federal agencies are required to consult with the USFWS if their actions, including permit approvals or funding, could adversely affect an endangered species (including plants) or its critical habitat. Through consultation and the issuance of a biological opinion, the USFWS may issue an incidental take statement allowing take of the species that is incidental to an otherwise authorized activity, provided the action will not jeopardize the continued existence of the species. The ESA specifies that the USFWS designate habitat for a species at the time of its listing in which are found the physical or biological features “essential to the conservation of the species,” or which may require “special Management consideration or protection...” (16 USC § 1533[a][3].2; 16 USC § 1532[a]). This designated Critical Habitat is then afforded the same protection under the ESA as individuals of the species itself, requiring issuance of an Incidental Take Permit prior to any activity that results in “the destruction or adverse modification of habitat determined to be critical” (16 USC § 1536[a][2]).

#### *Interagency Consultation and Biological Assessments*

Section 7 of ESA provides a means for authorizing the “take” of threatened or endangered species by federal agencies, and applies to actions that are conducted, permitted, or funded by a federal agency. The statute requires federal agencies to consult with the USFWS or National Marine Fisheries Service (NMFS), as appropriate, to ensure that actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of threatened or endangered species or result in the destruction or adverse modification of critical habitat for these species. If a Proposed Project “may affect” a listed species or destroy or modify critical habitat, the lead agency is required to prepare a biological assessment evaluating the nature and severity of the potential effect.

#### *Habitat Conservation Plans*

Section 10 of the federal ESA requires the acquisition of an Incidental Take Permit (ITP) from the USFWS by non-federal landowners for activities that might incidentally harm (or “take”) endangered or threatened wildlife on their land. To obtain a permit, an applicant must develop a Habitat Conservation Plan that is designed to offset any harmful impacts the proposed activity might have on the species.

#### *Fish and Wildlife Coordination Act*

The Fish and Wildlife Coordination Act (16 U.S.C. Sections 661 to 667e et seq.) applies to any federal Project where any body of water is impounded, diverted, deepened, or otherwise modified. Project proponents are required to consult with the USFWS and the appropriate state wildlife agency.

### *Bald and Golden Eagle Protection Act*

The Bald and Golden Eagle Protection Act (The Eagle Act) (1940), amended in 1962, was originally implemented for the protection of bald eagles (*Haliaeetus leucocephalus*). In 1962, Congress amended the Eagle Act to cover golden eagles (*Aquila chrysaetos*), a move that was partially an attempt to strengthen protection of bald eagles, since the latter were often killed by people mistaking them for golden eagles. This act makes it illegal to import, export, take (molest or disturb), sell, purchase, or barter any bald eagle or golden eagle or part thereof. The golden eagle, however, is accorded somewhat lighter protection under the Eagle Act than that of the bald eagle.

### *Migratory Bird Treaty Act*

The Migratory Bird Treaty Act (MBTA) of 1918 implements international treaties between the United States and other nations created to protect migratory birds, any of their parts, eggs, and nests from activities, such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations or by permit. As authorized by the MBTA, the USFWS issues permits to qualified applicants for the following types of activities: falconry, raptor propagation, scientific collecting, special purposes (rehabilitation, education, migratory game bird propagation, and salvage), take of depredating birds, taxidermy, and waterfowl sale and disposal. The regulations governing migratory bird permits can be found in 50 CFR Part 13 General Permit Procedures and 50 CFR part 21 Migratory Bird Permits. The State of California has incorporated the protection of birds of prey in Sections 3800, 3513, and 3503.5 of the California Fish and Game Code (CFGC).

However, on December 22, 2017 the U.S. Department of the Interior (DOI) issued a memorandum concluding that MBTA's prohibitions on take apply "[...] only to affirmative actions that have as their purpose the taking or killing of migratory birds, their nests, or their eggs" (DOI 2017). Therefore, take of migratory birds or their active nests (i.e., with eggs or young) that is incidental to, and not the purpose of, an otherwise lawful activity does not constitute a violation of the MBTA. Then, on April 11, 2018, the USFWS issued a guidance memorandum that provided further clarification on their interpretation:

"We interpret the M-Opinion to mean that the MBTA's prohibitions on take apply when the purpose of an action is to take migratory birds, their eggs, or their nests. Conversely, the take of birds, eggs or nests occurring as the result of an activity, the purpose of which is not to take birds, eggs or nests, is not prohibited by the MBTA" (USFWS 2018).

Therefore, the MBTA is currently interpreted to prohibit the take of birds, nests or eggs when the *purpose* or *intent* of the action is to take birds, eggs or nests, not when the take of birds, eggs or nests is incidental to but not the intended purpose of an otherwise lawful action.

### *Executive Orders (EO)*

*Invasive Species – EO 13112 (1999)*: Issued on February 3, 1999, promotes the prevention and introduction of invasive species and provides for their control and minimizes the economic, ecological, and human health impacts that invasive species cause through the creation of the Invasive Species Council and Invasive Species Management Plan.

*Migratory Bird – EO 13186 (2001)*: Issued on January 10, 2001, promotes the conservation of migratory birds and their habitats and directs federal agencies to implement the Migratory Bird Treaty Act. Protection and Enhancement of Environmental Quality—EO 11514 (1970a), issued on March 5, 1970, supports the purpose and policies of the National Environmental Policy Act (NEPA) and directs federal agencies to take measures to meet national environmental goals.



### *Migratory Bird Treaty Reform Act*

The Migratory Bird Treaty Reform Act (Division E, Title I, Section 143 of the Consolidated Appropriations Act, 2005, PL 108–447) amends the Migratory Bird Treaty Act (16 U.S.C. Sections 703 to 712) such that nonnative birds or birds that have been introduced by humans to the United States or its territories are excluded from protection under the Act. It defines a native migratory bird as a species present in the United States and its territories as a result of natural biological or ecological processes. This list excluded two additional species commonly observed in the United States, the rock pigeon (*Columba livia*) and domestic goose (*Anser domesticus*).

### *Birds of Conservation Concern*

Birds of Conservation Concern (BCC) is a USFWS list of bird species identified to have the highest conservation priority, and with the potential for becoming candidates for listing as federally threatened or endangered. The chief legal authority for BCC is the Fish and Wildlife Conservation Act of 1980 (FWCA). Other authorities include the FESA, the Fish and Wildlife Act of 1956, and the Department of the Interior U.S Code (16 U.S.C. § 701). The 1988 amendment to the FWCA (Public Law 100-653, Title VIII) requires the Secretary of the Interior, through the USFWS, to "identify species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become candidates for listing under the Endangered Species Act of 1973" (USFWS, 2008a).

## State Regulations

### *California Fish and Game Code Sections 1600 through 1606 of the CFGC*

This section requires that a Streambed Alteration Application be submitted to the CDFW for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake." The CDFW reviews the proposed actions and, if necessary, submits to the applicant a proposal for measures to protect affected fish and wildlife resources. The final proposal that is mutually agreed upon by the Department and the applicant is the Streambed Alteration Agreement. Often, Projects that require a Streambed Alteration Agreement also require a permit from the USACE under Section 404 of the CWA. In these instances, the conditions of the Section 404 permit and the Streambed Alteration Agreement may overlap.

### *California Endangered Species Act*

The California Endangered Species Act (CESA) (Sections 2050 to 2085) establishes the policy of the state to conserve, protect, restore, and enhance threatened or endangered species and their habitats by protecting "all native species of fishes, amphibians, reptiles, birds, mammals, invertebrates, and plants, and their habitats, threatened with extinction and those experiencing a significant decline which, if not halted, would lead to a threatened or endangered designation." Animal species are listed by the CDFW as threatened or endangered, and plants are listed as rare, threatened, or endangered. However, only those plant species listed as threatened or endangered receive protection under the California ESA.

CESA mandates that state agencies do not approve a Project that would jeopardize the continued existence of these species if reasonable and prudent alternatives are available that would avoid a jeopardy finding. There are no state agency consultation procedures under the California ESA. For Projects that would affect a species that is federally and State listed, compliance with ESA satisfies the California ESA if the California Department of Fish and Wildlife (CDFW) determines that the federal incidental take authorization is consistent with the California ESA under Section 2080.1. For Projects that would result in take of a species that is state listed only, the Project sponsor must apply for a take permit, in accordance with Section 2081(b).

### *Fully Protected Species*

Four sections of the California Fish and Game Code (CFGF) list 37 fully protected species (CFGF Sections 3511, 4700, 5050, and 5515). These sections prohibit take or possession "at any time" of the species listed, with few exceptions, and state that "no provision of this code or any other law will be construed to authorize the issuance of permits or licenses to 'take' the species," and that no previously issued permits or licenses for take of the species "shall have any force or effect" for authorizing take or possession.

### *Bird Nesting Protections*

Bird nesting protections (Sections 3503, 3503.5, 3511, 3513 and 3800) in the CFGF include the following:

- Section 3503 prohibits the take, possession, or needless destruction of the nest or eggs of any bird.
- Section 3503.5 prohibits the take, possession, or needless destruction of any nests, eggs, or birds in the orders Falconiformes (new world vultures, hawks, eagles, ospreys, and falcons, among others), and Strigiformes (owls).
- Section 3511 prohibits the take or possession of Fully protected birds.
- Section 3513 prohibits the take or possession of any migratory nongame bird or part thereof, as designated in the MBTA. To avoid violation of the take provisions, it is generally required that Project-related disturbance at active nesting territories be reduced or eliminated during the nesting cycle.

Section 3800 prohibits the take of any non-game bird (i.e., bird that is naturally occurring in California that is not a gamebird, migratory game bird, or fully protected bird).

### *Native Plant Protection Act*

The Native Plant Protect Act (NPPA) (1977) (CFGF Sections 1900-1913) was created with the intent to "preserve, protect, and enhance rare and endangered plants in this State." The NPPA is administered by CDFW. The Fish and Game Commission has the authority to designate native plants as endangered or rare and to protect endangered and rare plants from take. CESA (CFGF 2050-2116) provided further protection for rare and endangered plant species, but the NPPA remains part of the Fish and Game Code.

**APPENDIX 3**

**IDENTIFICATION AND EVALUATION OF HISTORIC PROPERTIES**

**WEST VALLEY WATER DISTRICT**

**18-INCH TRANSMISSION MAIN INSTALLATION PROJECT**

**In and near the City of Fontana  
San Bernardino County, California**

**For Submittal to:**

West Valley Water District  
855 W. Baseline Road  
Rialto, CA 92376

**Prepared for:**

Tom Dodson & Associates  
2150 N. Arrowhead Avenue  
San Bernardino, CA 92405

**Prepared by:**

CRM TECH  
1016 E. Cooley Drive, Suite A/B  
Colton, CA 92324

Bai "Tom" Tang, Principal Investigator  
Michael Hogan, Principal Investigator

November 3, 2021  
CRM TECH Contract No. 3755

**Title:** Identification and Evaluation of Historic Properties: West Valley Water District 18-inch Transmission Main Installation Project, in and near the City of Fontana, San Bernardino County, California

**Author(s):** Bai “Tom” Tang, Principal Investigator/Historian  
Deirdre Encarnación, Archaeologist/Report Writer  
Salvadore Boites, Archaeologist

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Colton, CA 92324  
(909) 824-6400

**Date:** November 3, 2021

**For Submittal to:** Rosa M. Gutierrez, Senior Engineer  
West Valley Water District  
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Rialto, CA 92376  
(909) 644-0592

**Prepared for:** Kaitlyn Dodson-Hamilton, Vice President  
Tom Dodson & Associates  
2150 N. Arrowhead Avenue  
San Bernardino, CA 92405  
(909) 882-3612

**USGS Quadrangle:** Devore, Calif., 7.5’ quadrangle (Section 18; T1N R5W, San Bernardino Baseline and Meridian)

**Project Size:** Approximately 650 linear feet

**Keywords:** Northeastern San Bernardino Valley; Phase I historical/archaeological resources survey; Site 3755-1H (temporary designation): segment of Lytle Creek Road; no “historic property” or “historical resource” affected

## EXECUTIVE SUMMARY

Between July and November 2021, at the request of Tom Dodson & Associates, CRM TECH performed a cultural resources study on the Area of Potential Effects (APE) for a proposed water main installation project in and near the City of Fontana, San Bernardino County, California. The project entails primarily the installation of approximately 650 linear feet of 18-inch transmission main pipeline from an existing water main along Lytle Creek Road, proceeding south and southeast under Interstate Highway 15 (I-15) and terminating at Citrus Avenue. The APE lies within the west half of Section 18, Township 1 North, Range 5 West, San Bernardino Baseline and Meridian, as depicted in the United States Geological Survey Devore, California, 7.5' quadrangle. The vertical extent of the APE is anticipated to range from 6.5 feet to 13.4 feet below surface.

The study is a part of the environmental review process for the undertaking, as required by the West Valley Water District (WVWD) pursuant to the California Environmental Quality Act (CEQA). As the project may involve federal funding and oversight, the study was designed and carried out to comply with both CEQA and Section 106 of the National Historic Preservation Act (NHPA). The purpose of the study is to provide the WVWD and other responsible agencies with the necessary information and analysis to determine whether the project would have an effect on any "historic properties," as defined by 36 CFR 800.16(l), or "historical resources," as defined by PRC §5020.1(j), that may exist in or near the APE. In order to accomplish this objective, CRM TECH initiated a historical/archaeological resources records search, pursued historical and geoarchaeological background research, consulted with Native American representatives, and conducted an intensive-level field survey.

During the survey, the small segment of Lytle Creek Road at the northern end of the APE was recorded into the California Historical Resources Inventory and assigned the temporary designation of Site 3755-1H, pending assignment of an official identification number once the California Historical Resources Information System resumes normal operation. The site represents the southwestern end of the portion of Lytle Creek Road that still follows its pre-1970s alignment, which dated at least to the 1930s. Further to the southwest, the road was completely realigned as a result of the construction of I-15 in the 1970s, and the original alignment, extending south along a portion of the APE, has been removed and has left no discernable physical remains today. Due to the lack of any distinguished aspects of significance and of sufficient historic integrity, Site 3755-1H does not appear eligible for listing in the National Register of Historic Places or the California Register of Historical Resources. Therefore, it does not meet the definition of a "historic property" or a "historical resource."

No other potential "historic properties"/"historical resources" were encountered within or adjacent to the APE, and the subsurface sediments in the vertical APE appear to be relatively low in sensitivity for potentially significant archaeological deposits of prehistoric origin. Based on these findings, and pursuant to 36 CFR 800.4(d)(1) and Calif. PRC §21084.1, CRM TECH recommends to the WVWD and other responsible agencies a conclusion that *no "historic properties" or "historical resources" will be affected by the proposed undertaking*. No further cultural resources investigation is recommended for the undertaking unless construction plans undergo such changes as to include areas not covered by this study. However, if buried cultural materials are encountered during earth-moving operations associated with the undertaking, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the finds.

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### INTRODUCTION

Between July and November 2021, at the request of Tom Dodson & Associates, CRM TECH performed a cultural resources study on the Area of Potential Effects (APE) for a proposed water main installation project in and near the City of Fontana, San Bernardino County, California (Fig. 1). The project entails primarily the installation of approximately 650 linear feet of 18-inch transmission main pipeline from an existing water main along Lytle Creek Road, proceeding south and southeast under Interstate Highway 15 (I-15) and terminating at Citrus Avenue. The APE lies within the west half of Section 18, Township 1 North, Range 5 West, San Bernardino Baseline and Meridian, as depicted in the United States Geological Survey (USGS) Devore, California, 7.5' quadrangle (Figs. 2, 3). The vertical extent of the APE is anticipated to range from 6.5 feet to 13.4 feet below surface.

The study is a part of the environmental review process for the undertaking, as required by the West Valley Water District (WVWD) pursuant to the California Environmental Quality Act (CEQA). As the project may involve federal funding and oversight, the study was designed and carried out to comply with both CEQA and Section 106 of the National Historic Preservation Act (NHPA). The purpose of the study is to provide the WVWD and other responsible agencies with the necessary information and analysis to determine whether the project would have an effect on any "historic properties," as defined by 36 CFR 800.16(l), or "historical resources," as defined by PRC §5020.1(j), that may exist in or near the APE.

In order to accomplish this objective, CRM TECH initiated a historical/archaeological resources records search, pursued historical and geoarchaeological background research, consulted with Native American representatives, and conducted an intensive-level field survey. The following report is a complete account of the methods, results, and final conclusion of the study. Personnel who participated in the study are named in the appropriate sections below, and their qualifications are provided in Appendix 1.

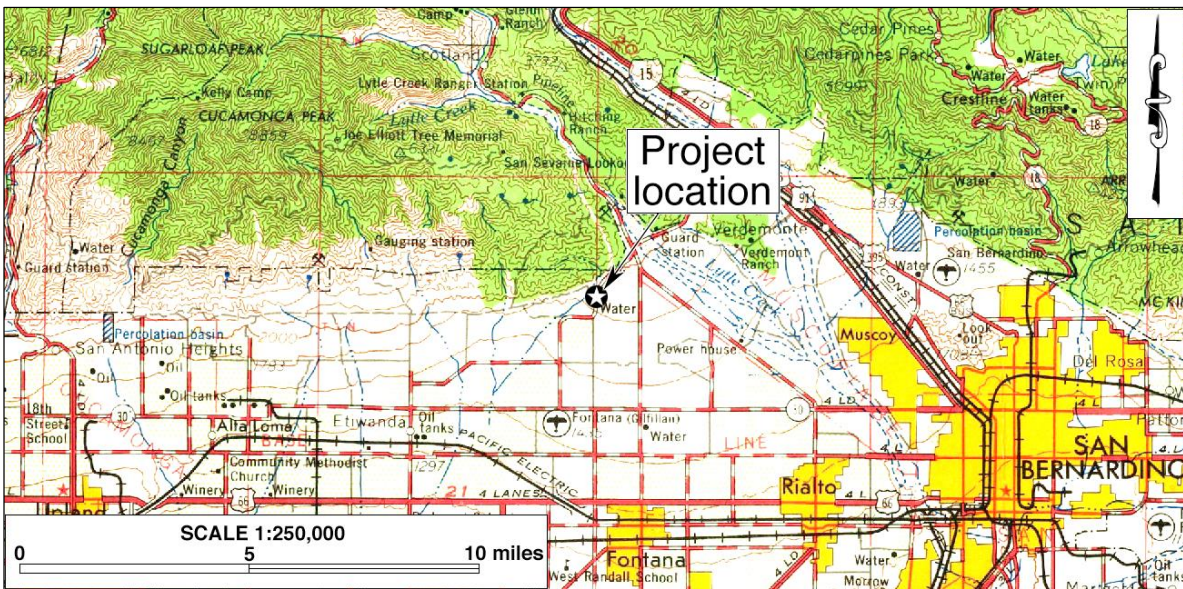


Figure 1. Project vicinity. (Based on USGS San Bernardino, Calif., 120'x60' quadrangle [USGS 1969])



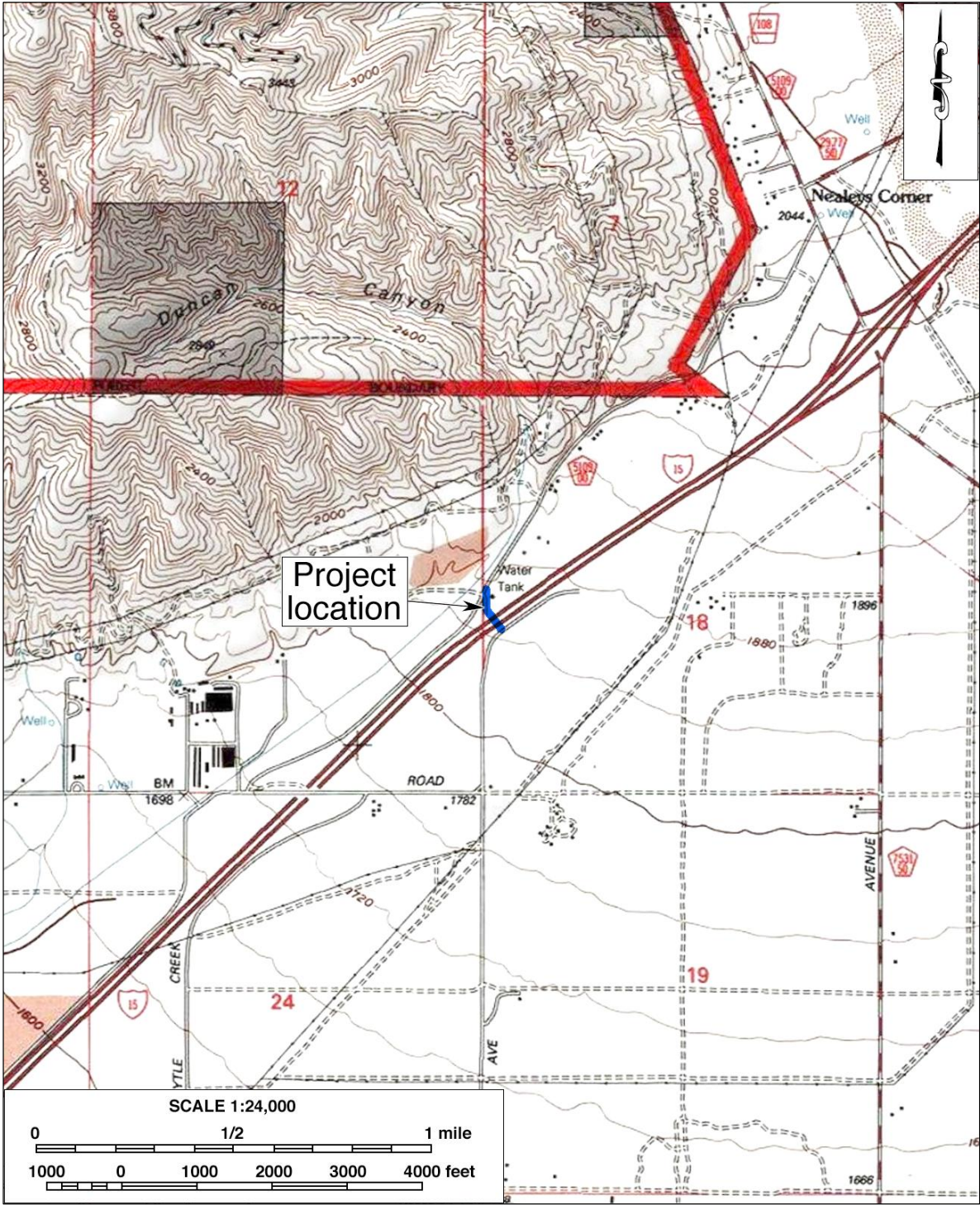


Figure 2. Project location. (Based on USGS Devore, Calif., 7.5' quadrangle [USGS 1988])



Figure 3. Aerial view of the Area of Potential Effects. (Based on Google Earth imagery)

## SETTING

### CURRENT NATURAL SETTING

The APE is located in the northeastern portion of the San Bernardino Valley and near the southern base of the San Gabriel Mountains, which constitute a part of the Transverse Range that separate the Los Angeles Basin and the San Bernardino Valley on the south from the Mojave Desert on the north. The natural environment of the San Bernardino Valley is dictated by the typical Mediterranean climate of the southern California lowland country, featuring hot, dry summers and mild, rainy winters. In the vicinity of the APE, summer highs reach well over 110°F, and winter lows sometimes dip below freezing. Average annual precipitation is less than five inches, occurring mostly between December and March.

More specifically, the APE lies on a series of alluvial fans that extend from the San Gabriel Mountains and have blended together near the project location. Approximately 370 feet of the alignment extends south across undeveloped land from Lytle Creek Road to the northwestern side of I-15, where the proposed pipeline will bore underneath the freeway towards the southeast (Fig. 3). On the southeastern side of the freeway, the APE extends roughly 50 feet across another swath of undeveloped land to end at Citrus Avenue.

The terrain along the project alignment is relatively level, at an elevation of approximately 1,855 feet above mean sea level. The native surface soil consists of silty-sandy loam containing coarse-grained sand and small granitic rocks. Vegetation in the APE is sparse and mostly dry, including scattered patches of California buckwheat and datura (Fig. 4). The ground surface in the vicinity has been extensively disturbed in the past, most notably by the construction of I-15, Lytle Creek Road, and a concrete culvert running under the freeway, and by recent weed abatement (Fig. 4).



Figure 4. Typical landscape in the APE. (Photograph taken on September 10, 2021; view to the north toward Lytle Creek Road)

## CULTURAL SETTING

### Prehistoric Context

The earliest evidence of human occupation in inland southern California was discovered below the surface of an alluvial fan in the northern portion of the Lakeview Mountains, overlooking the San Jacinto Valley, with radiocarbon dates clustering around 9,500 B.P. (Horne and McDougall 2008). Another site found near the shoreline of Lake Elsinore, close to the confluence of Temescal Wash and the San Jacinto River, yielded radiocarbon dates between 8,000 and 9,000 B.P. (Grenda 1997). Additional sites with isolated Archaic dart points, bifaces, and other associated lithic artifacts from the same age range have been found in the Cajon Pass area near the APE, typically atop knolls with good viewsheds (Basgall and True 1985; Goodman and McDonald 2001; Goodman 2002; Milburn et al. 2008).

The cultural prehistory of southern California has been summarized into numerous chronologies, including those developed by Chartkoff and Chartkoff (1984), Warren (1984), and others. Specifically, the prehistory of the inland region has been addressed by O'Connell et al. (1974), McDonald et al. (1987), Keller and McCarthy (1989), Grenda (1993), Goldberg (2001), and Horne and McDougall (2008). Although the beginning and ending dates of different cultural horizons vary regionally, the general framework of regional prehistory can be divided into three primary periods:

- Paleoindian Period (ca. 18,000-9,000 B.P.): Native peoples of this period created fluted spearhead bases designed to be hafted to wooden shafts. The distinctive method of thinning bifaces and spearhead preforms by removing long, linear flakes leaves diagnostic Paleoindian markers at tool-making sites. Other artifacts associated with the Paleoindian toolkit include choppers, cutting tools, retouched flakes, and perforators. Sites from this period are very sparse across the landscape and most are deeply buried.
- Archaic Period (ca. 9,000-1,500 B.P.): Archaic sites are characterized by abundant lithic scatters of considerable size with many biface thinning flakes, bifacial preforms broken during manufacture, and well-made groundstone bowls and basin metates. As a consequence of making dart points, many biface thinning waste flakes were generated at individual production stations, which is a diagnostic feature of Archaic sites.
- Late Prehistoric Period (ca. 1,500 B.P.-contact): Sites from this period typically contain small lithic scatters from the manufacture of small arrow points, expedient groundstone tools such as tabular metates and unshaped manos, wooden mortars with stone pestles, acorn or mesquite bean granaries, ceramic vessels, shell beads suggestive of extensive trading networks, and steatite implements such as pipes and arrow shaft straighteners.

### Ethnohistoric Context

The APE is generally considered a part of the homeland of the Serrano people, which is centered in the nearby San Bernardino Mountains. Together with that of the Vanyume people, linguistically a subgroup, the traditional territory of the Serrano also includes part of the San Gabriel Mountains, much of the San Bernardino Valley, and the Mojave River valley in the southern portion of the Mojave Desert, reaching as far east as the Cady, Bullion, Sheep Hole, and Coxcomb Mountains. The name of the group, Serrano, was derived from a Spanish term meaning "mountaineer" or

“highlander.” The basic written sources on Serrano culture are Kroeber (1925), Strong (1929), and Bean and Smith (1978), and the following ethnographic discussion of the Serrano people is based primarily on these sources.

Prior to European contact, native subsistence practices were defined by the surrounding landscape and were based primarily on the cultivating and gathering of wild foods and hunting, exploiting nearly all of the resources available. The Serrano settled mostly on elevated terraces, hills, and finger ridges near where flowing water emerged from the mountains. They were loosely organized into exogamous clans, which were led by hereditary heads, and the clans in turn were affiliated with one of two exogamous moieties, the Wildcat (*Tukutam*) or the Coyote (*Wahiiam*). The exact nature of the clans, their structure, function, and number are not known, except that each clan was the largest autonomous political and landholding unit, the core of which was the patrilineage.

The Serrano had a variety of technological skills that they used to acquire subsistence, shelter, and medicine or to create ornaments and decorations. Common tools included manos and metates, mortars and pestles, hammerstones, fire drills, awls, arrow straighteners, and stone knives and scrapers. These lithic tools were made from locally sourced material as well as those procured through trade or travel. The Serrano also used wood, horn, and bone spoons and stirrers; baskets for winnowing, leaching, grinding, transporting, parching, storing, and cooking; and pottery vessels for carrying water, storage, cooking, and serving food and drink. Much of this material cultural, elaborately decorated, does not survive in the archaeological record. As usual, the main items found archaeologically relate to subsistence activities.

Although contact with Europeans may have occurred as early as 1771 or 1772, direct European influence on Serrano lifeways began in the 1810s, when the mission system expanded to the edge of their territory. Between then and the end of the mission era in 1834, most of the Serrano in the western portion of their traditional territory were removed to the nearby missions. In the eastern portion, a series of punitive expeditions in 1866-1870 resulted in the death or displacement of almost all remaining Serrano population in the San Bernardino Mountains. Today, most Serrano descendants are affiliated with the San Manuel Band of Mission Indians, the Morongo Band of Mission Indians, or the Serrano Nation of Indians.

### **Historical Context**

In 1772, three years after the beginning of Spanish colonization of Alta California, Pedro Fages, *comandante* of the new province, and a small force of soldiers under his command became the first Europeans to set foot in the San Bernardino Valley (Beck and Haase 1974:15). They were followed in the next few years by two other famed early Spanish explorers, Juan Bautista de Anza and Francisco Garcés, who traveled through the valley in the mid-1770s (*ibid.*). Despite these early visits, for the next 40 years the inland valley received little impact from the Spanish colonization activities in Alta California, which were concentrated predominantly in the coastal regions.

Following the establishment of Mission San Gabriel in 1771, the San Bernardino Valley became nominally a part of the vast landholdings of that mission. The name “San Bernardino” was bestowed on the region at least by 1819, when a mission *asistencia* and an associated rancho were officially established under that name in present-day Loma Linda (Lerch and Haenszel 1981). After

gaining independence from Spain in 1821, the Mexican government began in 1834 the process of secularizing the mission system in Alta California, which in practice meant the confiscation of the Franciscan missions' landholdings, to be distributed later among prominent citizens of the province. During the 1830s and the 1840s, several large land grants were created in the vicinity of present-day Fontana, but most of the Fontana area was not involved in any of these, and thus remained public land when Alta California became a part of the United States in 1848.

Used primarily as cattle ranches, the ranchos around Fontana saw little development until the mid-19th century, when a group of Mormon settlers from Salt Lake City founded the town of San Bernardino in 1851. In 1861, John Brown, Sr., a prominent early settler in the San Bernardino Valley, built an improved toll road to the north of Fontana in Cajon Canyon, under franchise from the County of San Bernardino (Robinson 1989:51). This was followed by the construction of the California Southern Railroad (a subsidiary of the Atchison, Topeka and Santa Fe Railway) in 1885 (Serpico 1988:21-22), the National Old Trails Highway (U.S. Route 66) in the 1910s-1930s (Scott and Kelly 1988:31; Casebier 1989:149), and finally present-day I-15, all of which run through Cajon Canyon. As a result, the Cajon Canyon area's position as an important nexus of regional and national transportation thoroughfares became the main theme of the historical heritage of what is now the northern portion of Fontana.

After the completion of the Southern Pacific Railroad in the mid-1870s, and especially after the Atchison, Topeka and Santa Fe Railway introduced a competing line in the 1880s, a phenomenal land boom swept through much of southern California, ushering in a number of new settlements in the San Bernardino Valley. In 1887, the Semi-Tropic Land and Water Company purchased a large tract of land near the mouth of Lytle Creek, together with the necessary water rights to the creek, and laid out the townsites of Rialto, Bloomington, and Rosena (Schuiling 1984:90). While Rialto and Bloomington soon began to grow, little development took place at Rosena before the collapse of the 1880s land boom and the ensuing financial destruction of the Semi-Tropic Land and Water Company (*ibid.*:90, 102; Ingersoll 1904:620).

In 1905, Azariel Blanchard "A.B." Miller (1878-1941), widely considered the founder of present-day Fontana, arrived in Rosena from the Imperial Valley and, along with his associates, established Fontana Farms on a tract of land that eventually reached 20,000 acres (Anicic 2005:32-40). By 1910, an irrigation system was constructed and much of the land was planted in grain and citrus crops (Schuiling 1984:102). Miller's Fontana Farms became synonymous to the location, and Rosena was renamed Fontana in 1913.

Up to the early 1940s, Fontana remained primarily an agricultural settlement where citrus cultivation and poultry, hog, and rabbit raising played important roles in the local economy (Schuiling 1984:102). During World War II, however, the establishment of the Kaiser Steel Mill dramatically altered the agrarian setting of the Fontana area. The City of Fontana incorporated in 1952. With other industrial enterprises following Kaiser to the area during and after WWII, Fontana became known for the next four decades as a center of heavy industry (*ibid.*:106). Since the closure of the Kaiser Steel Mill in 1983, and in response to the growing demand for affordable housing, Fontana, like many other cities in the San Bernardino Valley, has increasingly taken on the characteristics of a "bedroom community."

## RESEARCH METHODS

### RECORDS SEARCH

The historical/archaeological resources records search for this study was conducted by the South Central Coastal Information Center (SCCIC) of the California Historical Resources Information System on September 3, 2021. Located on the campus of California State University, Fullerton, SCCIC is the State of California's official cultural resource records repository for the County of San Bernardino. During the records search, SCCIC staff examined the center's digital maps, records, and databases for previously identified cultural resources and existing cultural resources reports within a half-mile radius of the APE. Due to facility closure during the COVID-19 pandemic, records that had not been digitized, including recent surveys and site records, were unavailable to SCCIC staff. Therefore, SCCIC cautions that the records search results "may or may not be complete" (see App. 2).

### HISTORICAL BACKGROUND RESEARCH

Historical background research for this study was conducted by CRM TECH principal investigator/historian Bai "Tom" Tang. Sources consulted during the research included published literature in local and regional history, U.S. General Land Office (GLO) land survey plat map dated 1874-1875, USGS topographic maps dated 1901-1988, and aerial photographs taken in 1938-2020. The historic maps are available at the websites of the USGS and the U.S. Bureau of Land Management, and the aerial photographs are available at the Nationwide Environmental Title Research (NETR) Online website and through the Google Earth software.

### FIELD SURVEY

On September 10, 2021, CRM TECH archaeologist Salvadore Boites carried out the intensive-level field survey of the APE. The survey was conducted on foot along parallel transects placed on either side of the project centerline, with the exception of the portion of the APE crossing under I-15. In this way, the ground surface in the APE was systematically and carefully examined for any evidence of human activities dating to the prehistoric or historic period (i.e., 50 years ago or older). Ground visibility ranged was generally excellent (90%) except where the surface was completely obscured by pavement.

### NATIVE AMERICAN PARTICIPATION

On July 13, 2021, CRM TECH submitted a written request to the State of California Native American Heritage Commission (NAHC) for a records search in the commission's Sacred Lands File. Following the NAHC's recommendations and previously established consultation protocol, CRM TECH further contacted a total of 12 Native American representatives in the region in writing on August 4, 2021, for additional information on potential Native American cultural resources in the project vicinity. Follow-up telephone solicitations were carried out between August 20 and August 30, 2021. Correspondence between CRM TECH and the Native American representatives is summarized below and attached to the report in Appendix 3.

## GEOARCHAEOLOGICAL ANALYSIS

As part of the research procedures, CRM TECH archaeologist Deirdre Encarnación pursued geoarchaeological analysis to assess the APE's potential for the deposition and preservation of subsurface cultural deposits from the prehistoric period, which cannot be detected through a standard surface archaeological survey. Sources consulted for this purpose included primarily topographic and geologic maps and reports pertaining to the surrounding area. Findings from these sources were used to develop a geomorphologic history of the APE and address geoarchaeological sensitivity of the vertical APE.

## RESULTS AND FINDINGS

### RECORDS SEARCH

According to SCCIC records, the APE was included in the geographic scope of five previous studies compiled between 1983 and 2017. These studies included a historical overview of the nearby settlement of Grapeland, two research-oriented projects, and two linear surveys along I-15 and Lytle Creek Road. Due to their nature and formats, these studies did not involve a systematic field survey that included the APE in its entirety. For statutory compliance purposes, therefore, the APE remained unsurveyed prior to this study. SCCIC records further indicate that no historical/archaeological resources were previously recorded within or adjacent to the APE (see App. 2).

Within the half-mile scope of the records search, SCCIC records identify seven other previous studies. As a result of these and other similar studies in the vicinity, 12 historical/archaeological sites have been recorded within the half-mile radius, as listed in Table 1. One of these sites was prehistoric (i.e., Native American) in nature, consisting of two rock circles located approximately 0.15 mile to the southwest of the project location. All of the other sites dated to the historic period, including water conveyance features, power transmission lines, homestead and other building remains, and a row of Eucalyptus trees planted as a wind break. None of these known sites were found in the immediate vicinity of the APE. Therefore, none of them require further consideration during this study.

<b>Primary #</b>	<b>Trinomial</b>	<b>Description</b>
36-004296	CA-SBR-4296	Rock circles
36-007296	CA-SBR-7296H	Wood-and-concrete water reservoir
36-007694	CA-SBR-7694H	LADWP Boulder Dam to Los Angeles Transmission Line
36-008857	CA-SBR-8857H	SCE Lugo-Mira Loma No.1 500kV Transmission Line
36-011678	CA-SBR-11678H	Historic-period homestead remains
36-012736	N/A	Historic-period talc mine
36-012739	CA-SBR-12366H	Stone foundation of Perdeew School
36-012740	CA-SBR-12367H	Waters homestead site
36-015376	N/A	Grapeland Homestead and Water Works Historic District
36-027084	CA-SBR-17099H	Historic-period homestead remains
36-027085	CA-SBR-17100H	Water cistern and pipeline
36-031276	CA-SBR-31276H	Eucalyptus wind breaks



### HISTORICAL BACKGROUND RESEARCH

Historical maps and aerial photographs consulted for this study reveal no evidence of any settlement or land development activities in the immediate vicinity of the APE between the 1850s and the 1970s but demonstrate that the general vicinity has served as part of an important travel corridor since at least the mid-19th century (Figs. 5-8; NETR Online 1938-1980). During the 1850s-1890s era, the main road to Cajon Pass, a distant forerunner of present-day I-15, traversed generally east-west across the northern end of the APE (Figs. 5, 6). By the 1930s, with most of the traffic diverted to the famed U.S. Route 66 (now Foothill Boulevard) a few miles to the south, the road at this location became a part of Lytle Creek Road (Fig. 7).

In the 1930s-1960s, Lytle Creek Road approached the APE from the northeast as it does today but turned south along the northern portion of the APE to meet Citrus Avenue further to the south (Figs. 7, 8; NETR Online 1938-1966). This was changed when I-15 was constructed across the southern portion of the APE in the 1970s (NETR Online 1980). With its original route truncated by the freeway, Lytle Creek Road was realigned from the northern end of the APE to extend southwest along the current route (*ibid.*). The portion of Lytle Creek Road to the west of the project location, therefore, is a modern feature.

Other than these various roads at different times in history, no notable human-made features are known to have been present in the APE (Figs. 5-8; NETR Online 1938-2018; Google Earth 1994-2020). The aerial photographs, in particular, show the rest of the land to be undeveloped and largely unused throughout the historic period and to the present time (NETR Online 1938-2018; Google Earth 1994-2020).

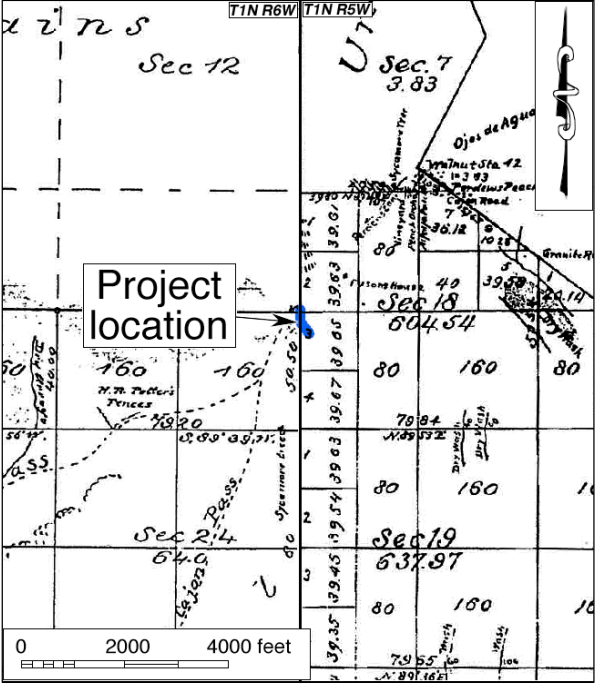


Figure 5. The project location in 1852-1875. (Source: GLO 1874; 1875)

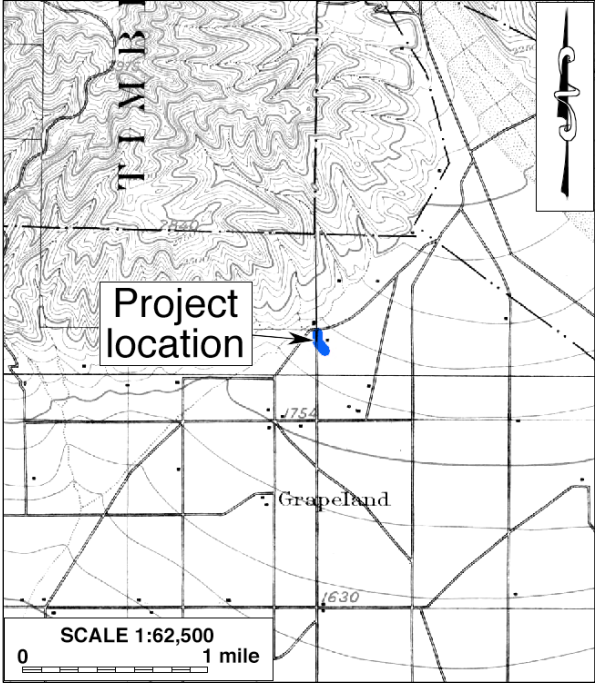


Figure 6. The project location in 1893-1894. (Source: USGS 1901)

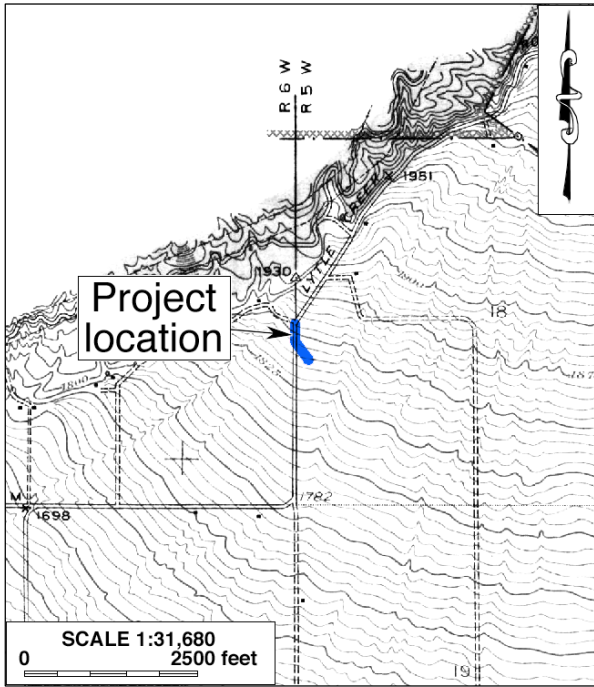


Figure 7. The project location in 1936. (Source: USGS 1941)

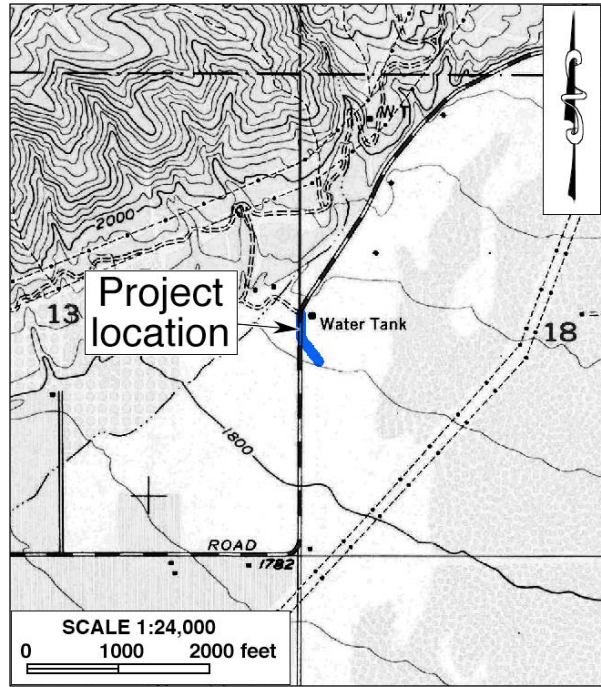


Figure 8. The project location in 1952-1954. (Source: USGS 1954)

### FIELD SURVEY

During the field survey, the small segment of Lytle Creek Road across the northern end of the APE, measuring roughly 100 feet in total length, was recorded into the California Historical Resources Inventory and given the temporary designation of Site 3755-1H, pending assignment of an official identification number once the California Historical Resources Information System resumes normal operation (see App. 4). The site represents the southwestern end of the portion of Lytle Creek Road that still follows its pre-1970s alignment, which dated at least to the 1930s, as noted above. The segment of the pre-1970s alignment extending south along the northern portion of the APE has been completely removed and has left no discernable physical remains today.

In its current configuration, Lytle Creek Road at this location is a two-lane, asphalt-paved country highway with hard shoulders on both sides, measuring approximately 35 feet in total width (Fig. 9). Due to the relatively recent alterations and regular maintenance, it exhibits no distinctively historical characteristics. No other potential “historic properties”/“historical resources” were identified within or adjacent to the APE.

### NATIVE AMERICAN PARTICIPATION

On July 30, 2021, the NAHC replied to CRM TECH’s request in writing that the Sacred Lands File identified unspecified Native American cultural resource(s) in the vicinity of the APE but did not reveal the location or nature of the resource(s). Instead, the NAHC referred further inquiries to the



Figure 9. Current condition of Lytle Creek Road at the northern end of the APE. (Photograph taken on September 10, 2021; view to the southwest)

Gabrielino Band of Mission Indians-Kizh Nation. Meanwhile, the NAHC also recommended consulting with other local Native American groups and provided a list of potential contacts in the region for that purpose (see App. 3).

Upon receiving the NAHC's reply, CRM TECH initiated consultation with all 12 tribal organizations on the referral list (see App. 3). In some cases, the designated tribal spokespersons on cultural resources issues were contacted in lieu of individuals recommended by the NAHC, as recommended in the past by the appropriate tribal government staff. The Native American representatives contacted during this study are listed below:

- Patricia Garcia-Plotkin, Tribal Historic Preservation Officer, Agua Caliente Band of Cahuilla Indians;
- Andrew Salas, Chairperson, Gabrieleño Band of Mission Indians-Kizh Nation;
- Sandonne Goad, Chairperson, Gabrielino/Tongva Nation;
- Robert F. Dorame, Chairperson, Gabrielino Tongva Indians of California Tribal Council;
- Anthony Morales, Chairperson, Gabrieleno/Tongva San Gabriel Band of Mission Indians;
- Charles Alvarez, Chairperson, Gabrielino-Tongva Tribe;
- Ann Brierty, Tribal Historic Preservation Officer, Morongo Band of Mission Indians;
- Jill McCormick, Tribal Historic Preservation Officer, Quechan Tribe of the Fort Yuma Reservation;
- Jessica Mauck, Director of Cultural Resources Department, San Manuel Band of Mission Indians;

- Vanessa Minott, Tribal Administrator, Santa Rosa Band of Cahuilla Indians;
- Mark Cochrane, Co-Chairperson, Serrano Nation of Mission Indians;
- Joseph Ontiveros, Tribal Historic Preservation Officer, Soboba Band of Luiseño Indians.

As of this time, eight of the 12 tribes contacted have responded either in writing or via telephone (see App. 3). Among them, the Agua Caliente Band, the Soboba Band, and the Quechan Tribe deferred to other tribes located in closer proximity to the APE, while the Santa Rosa Band had no comments regarding this undertaking. The Serrano Nation and the Gabrielino Tongva Indians requested immediate notification if any prehistoric artifacts and/or human remains were uncovered during ground-disturbing activities. The Gabrieleño Band of Mission Indians-Kizh Nation requested contact information for the lead agency, which CRM TECH provided via e-mail on August 4.

The San Manuel Band, meanwhile, expressed “great concern” over this undertaking. According to the tribe’s reply, the APE is located less than a quarter-mile from a known rock cairn feature, presumably Site 36-004296 (see Table 1). Therefore, the San Manuel Band indicated that they would seek further consultation with the WVWD under provisions of AB 52.

## GEOARCHAEOLOGICAL ANALYSIS

Geologic maps of the project vicinity identify the surface sediments in the APE as *Qyf<sub>4</sub>* and *Qyf<sub>5</sub>*, representing young alluvial-fan deposits of early Holocene age with slightly dissected surfaces and well-developed soils (Morton and Matti 2001; Morton and Miller 2006). These sediments are described as unconsolidated to moderately consolidated silt, sand, coarse-grained sand containing some boulders, and boulder alluvial-fan deposits (*ibid.*). In light of their relatively young age and alluvial origin, the subsurface sediments in the APE exhibit the potential to contain buried deposits of prehistoric cultural remains.

Geospatial analyses of known prehistoric sites in inland southern California suggest that longer-term residential settlements of the Native population were more likely to occur in sheltered areas near the base of hills and on elevated terraces, hills, and finger ridges near permanent or reliable sources of water, while the level, unprotected valley floor was used mainly for resource procurement, travel, and occasional camping during these activities. This is corroborated by the ethnographic literature that identifies foothills as the preferred settlement environment for Native Americans of the inland region (Bean and Smith 1978). Based on this settlement pattern, the geographic setting of the APE fits more closely the profile of a resource procurement area, while the finger ridges in the foothills just to the north and northwest of the project location would have provided a more favorable setting for long-term habitation.

The location of the APE beneath the finger ridges and between more recent drainage channels places it in a direct path of deposition for any cultural material washed down from areas of higher elevation. Conversely, this also suggests that any subsurface cultural materials encountered in or near the APE may not be *in situ* and thus lack provenience. Furthermore, the ground surface within the APE exhibits extensive disturbance from recent construction and maintenance activities associated with I-15, Lytle Creek Road, and Citrus Avenue. Due to this disturbed condition, along with the compromised depositional integrity, the subsurface sediments within the vertical APE are considered to be low in sensitivity for potentially significant archaeological deposits of prehistoric origin.

## DISCUSSION

The purpose of this study is to identify any “historic properties” or “historical resources” that may exist within the APE. “Historic properties,” as defined by the Advisory Council on Historic Preservation, include “any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior” (36 CFR 800.16(1)). The eligibility for inclusion in the National Register is determined by applying the following criteria, developed by the National Park Service as per provision of the National Historic Preservation Act:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and

- (a) that are associated with events that have made a significant contribution to the broad patterns of our history; or
- (b) that are associated with the lives of persons significant in our past; or
- (c) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- (d) that have yielded, or may be likely to yield, information important in prehistory or history. (36 CFR 60.4)

For CEQA-compliance considerations, the State of California’s Public Resources Code (PRC) establishes the definitions and criteria for “historical resources,” which require similar protection to what NHPA Section 106 mandates for “historic properties.” “Historical resources,” according to PRC §5020.1(j), “includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California.”

More specifically, CEQA guidelines state that the term “historical resources” applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the lead agency (Title 14 CCR §15064.5(a)(1)-(3)). Regarding the proper criteria of historical significance, CEQA guidelines mandate that “generally a resource shall be considered by the lead agency to be ‘historically significant’ if the resource meets the criteria for listing on the California Register of Historical Resources” (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

- (1) Is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage.
- (2) Is associated with the lives of persons important in our past.
- (3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- (4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

In summary of the research results presented above, Site 3755-1H, representing the small segment of Lytle Creek Road at the northern end of the project alignment, is the only potential “historic property”/“historical resource” identified within or adjacent to the APE. As noted previously, the site marks the southwestern end of the portion of Lytle Creek Road that follows its 1930s-1970s alignment, and the rest of the road along the historical alignment in the APE is no longer extant.

Despite the long history of Lytle Creek Road, and despite it being the successor to a 19th century wagon road to Cajon Pass, the present study has discovered no evidence that this segment of the road is closely associated with any important person or significant event in national, state, or local history. As a nondescript infrastructure feature of standard design and construction, Lytle Creek Road demonstrates no notable qualities in architecture, engineering, or aesthetics, nor is it known to embody the work of a prominent designer or builder. For the same reason, the road does not hold the promise for any important archaeological information.

Based on these considerations, Site 3755-1H does not appear to meet any of the criteria for listing in the National Register of Historic Places or the California Register of Historical Resources. Furthermore, as a result of major alterations in the 1970s, including partial realignment, and regular maintenance throughout the modern era, the road segment no longer retains sufficient integrity to relate to its period of origin, or the historic period in general. Therefore, Site 3755-1H does not meet the definition of a “historic property” or a “historical resource,” as outlined above.

Meanwhile, the subsurface sediments in the vertical APE appear to be relatively low in sensitivity for potentially significant archaeological deposits of prehistoric origin. Although the NAHC reported the presence of known Native American cultural resource(s) in the general vicinity, local tribes consulted during the study identified no such resources within or adjacent to the boundaries of the APE. In light of these findings, the present study concludes that no “historic properties” or “historical resources” exist within or adjacent to the APE.

## **CONCLUSION AND RECOMMENDATIONS**

Section 106 of the National Historic Preservation Act mandates that federal agencies take into account the effects of their undertakings on historic properties and seek ways to avoid, minimize, or mitigate any adverse effects on such properties (36 CFR 800.1(a)). Similarly, CEQA establishes that a project that may cause a substantial adverse change in the significance of a “historical resource” is a project that may have a significant effect on the environment (PRC §21084.1). “Substantial adverse change,” according to PRC §5020.1(q), “means demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired.”

As stated above, the segment of Lytle Creek Road recorded across the northern end of the APE does not appear to meet the definition of a “historic property” or a “historical resource,” and no other potential “historic properties” or “historical resources” were identified within or adjacent to the APE. The subsurface sediments in the vertical extent of the APE appear to be low in sensitivity for potentially significant archaeological remains in buried deposits. Therefore, pursuant to 36 CFR 800.4(d)(1) and Calif. PRC §21084.1, CRM TECH presents the following recommendations to the WVWD and other responsible agencies:

- No “historic properties” or “historical resources” are present within or adjacent to the APE, and thus no “historic properties” or “historical resources” will be affected by the proposed project.
- No further cultural resources investigation will be necessary for the project unless construction plans undergo such changes as to include areas not covered by this study.
- If buried cultural materials are discovered inadvertently during earth-moving operations associated with the project, all work in that area should be halted or diverted until a qualified archaeologist can evaluate the nature and significance of the find.

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**APPENDIX 1  
PERSONNEL QUALIFICATIONS**

**PRINCIPAL INVESTIGATOR/HISTORIAN  
Bai “Tom” Tang, M.A.**

**Education**

- 1988-1993 Graduate Program in Public History/Historic Preservation, University of California, Riverside.
- 1987 M.A., American History, Yale University, New Haven, Connecticut.
- 1982 B.A., History, Northwestern University, Xi’an, China.
- 2000 “Introduction to Section 106 Review,” presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno.
- 1994 “Assessing the Significance of Historic Archaeological Sites,” presented by the Historic Preservation Program, University of Nevada, Reno.

**Professional Experience**

- 2002- Principal Investigator, CRM TECH, Riverside/Colton, California.
- 1993-2002 Project Historian/Architectural Historian, CRM TECH, Riverside, California.
- 1993-1997 Project Historian, Greenwood and Associates, Pacific Palisades, California.
- 1991-1993 Project Historian, Archaeological Research Unit, University of California, Riverside.
- 1990 Intern Researcher, California State Office of Historic Preservation, Sacramento.
- 1990-1992 Teaching Assistant, History of Modern World, University of California, Riverside.
- 1988-1993 Research Assistant, American Social History, University of California, Riverside.
- 1985-1988 Research Assistant, Modern Chinese History, Yale University.
- 1985-1986 Teaching Assistant, Modern Chinese History, Yale University.
- 1982-1985 Lecturer, History, Xi’an Foreign Languages Institute, Xi’an, China.

**Cultural Resources Management Reports**

Preliminary Analyses and Recommendations Regarding California’s Cultural Resources Inventory System (with Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

**PRINCIPAL INVESTIGATOR/ARCHAEOLOGIST**  
**Michael Hogan, Ph.D., Registered Professional Archaeologist #28576644**

**Education**

- 1991 Ph.D., Anthropology, University of California, Riverside.  
 1981 B.S., Anthropology, University of California, Riverside; with honors.  
 1980-1981 Education Abroad Program, Lima, Peru.
- 2002 “Section 106—National Historic Preservation Act: Federal Law at the Local Level,”  
 UCLA Extension Course #888.  
 2002 “Recognizing Historic Artifacts,” workshop presented by Richard Norwood,  
 Historical Archaeologist.  
 2002 “Wending Your Way through the Regulatory Maze,” symposium presented by the  
 Association of Environmental Professionals.  
 1992 “Southern California Ceramics Workshop,” presented by Jerry Schaefer.  
 1992 “Historic Artifact Workshop,” presented by Anne Duffield-Stoll.

**Professional Experience**

- 2002- Principal Investigator, CRM TECH, Riverside/Colton, California.  
 1999-2002 Project Archaeologist/Field Director, CRM TECH, Riverside, California.  
 1996-1998 Project Director and Ethnographer, Statistical Research, Inc., Redlands, California.  
 1992-1998 Assistant Research Anthropologist, University of California, Riverside.  
 1992-1995 Project Director, Archaeological Research Unit, U.C. Riverside.  
 1993-1994 Adjunct Professor, Riverside Community College, Mt. San Jacinto College, U.C.  
 Riverside, Chapman University, and San Bernardino Valley College.  
 1991-1992 Crew Chief, Archaeological Research Unit, U.C. Riverside.  
 1984-1998 Project Director, Field Director, Crew Chief, and Archaeological Technician for  
 various southern California cultural resources management firms.

**Research Interests**

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange  
 Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural  
 Diversity.

**Cultural Resources Management Reports**

Principal investigator for, author or co-author of, and contributor to numerous cultural resources  
 management study reports since 1986.

**Memberships**

Society for American Archaeology; Society for California Archaeology; Pacific Coast  
 Archaeological Society; Coachella Valley Archaeological Society.

**PROJECT ARCHAEOLOGIST/REPORT WRITER**  
**Deirdre Encarnación, M.A.**

**Education**

- 2003 M.A., Anthropology, San Diego State University, California.  
 2000 B.A., Anthropology, minor in Biology, with honors; San Diego State University, California.
- 2021 Certificate of Specialization, Kumeyaay Studies, Cuyamaca College/KCC.  
 2001 Archaeological Field School, San Diego State University.  
 2000 Archaeological Field School, San Diego State University.

**Professional Experience**

- 2004- Project Archaeologist/Report Writer, CRM TECH, Riverside/Colton, California.  
 2001-2003 Part-time Lecturer, San Diego State University, California.  
 2001 Research Assistant for Dr. Lynn Gamble, San Diego State University.  
 2001 Archaeological Collection Catalog, SDSU Foundation.

**PROJECT ARCHAEOLOGIST**  
**Salvadore Z. Boites, M.A.**

**Education**

- 2013 M.A., Applied Anthropology, California State University, Long Beach.  
 2003 B.A., Anthropology/Sociology, University of California, Riverside.  
 1996-1998 Archaeological Field School, Fullerton Community College, Fullerton, California.

**Professional Experience**

- 2014- Project Archaeologist, CRM TECH, Colton, California.  
 2010-2011 Adjunct Instructor, Anthropology, Everest College, Anaheim, California.  
 2003-2008 Project Archaeologist, CRM TECH, Riverside/Colton, California.  
 2001-2002 Teaching Assistant, Moreno Elementary School, Moreno Valley, California.  
 1999-2003 Research Assistant, Anthropology Department, University of California, Riverside.

**Research Interests**

Cultural Resource Management, Applied Archaeology/Anthropology, Indigenous Cultural Identity, Poly-culturalism.

**APPENDIX 2**  
**SUMMARY OF CULTURAL RESOURCES**  
**RECORDS SEARCH RESULTS**

**South Central Coastal Information Center**

California State University, Fullerton  
Department of Anthropology MH-426  
800 North State College Boulevard  
Fullerton, CA 92834-6846  
657.278.5395 / FAX 657.278.5542  
[sccic@fullerton.edu](mailto:sccic@fullerton.edu)

*California Historical Resources Information System*  
*Orange, Los Angeles, and Ventura Counties*

9/3/2021

Records Search File No.: 22681.8856

Nina Gallardo  
CRM TECH  
1016 E. Cooley Drive, Suite A/B  
Colton CA 92324

Re: Records Search Results for the 3755 L Creek Road Bore Project

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Devore, CA USGS 7.5' quadrangle. Due to the COVID-19 emergency, we have implemented new records search protocols, which limits the deliverables available to you at this time. **WE ARE ONLY PROVIDING DATA THAT IS ALREADY DIGITAL AT THIS TIME.** Please see the attached document on COVID-19 Emergency Protocols for what data is available and for future instructions on how to submit a records search request during the course of this crisis. If your selections on your data request form are in conflict with this document, we reserve the right to default to emergency protocols and provide you with what we stated on this document. You may receive more than you asked for or less than you wanted. The following reflects the results of the records search for the project area and a ½-mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format:  custom GIS maps  shape files  hand-drawn maps

Resources within project area: 0	None
Resources within ½-mile radius: 12	SEE ATTACHED MAP or LIST
Reports within project area: 5	SB-01407, SB-02621, SB-05178, SB-08099, SB-08269
Reports within ½-mile radius: 7	SEE ATTACHED MAP or LIST

- Resource Database Printout (list):**  enclosed  not requested  nothing listed
- Resource Database Printout (details):**  enclosed  not requested  nothing listed
- Resource Digital Database (spreadsheet):**  enclosed  not requested  nothing listed
- Report Database Printout (list):**  enclosed  not requested  nothing listed
- Report Database Printout (details):**  enclosed  not requested  nothing listed
- Report Digital Database (spreadsheet):**  enclosed  not requested  nothing listed
- Resource Record Copies:**  enclosed  not requested  nothing listed
- Report Copies:**  enclosed  not requested  nothing listed

- OHP Built Environment Resources Directory (BERD) 2019:**  available online; please go to [https://ohp.parks.ca.gov/?page\\_id=30338](https://ohp.parks.ca.gov/?page_id=30338)
- Archaeo Determinations of Eligibility 2012:**  enclosed  not requested  nothing listed
- Historical Maps:**  not available at SCCIC; please go to <https://ngmdb.usgs.gov/topoview/viewer/#4/39.98/-100.02>
- Ethnographic Information:**  not available at SCCIC
- Historical Literature:**  not available at SCCIC
- GLO and/or Rancho Plat Maps:**  not available at SCCIC
- Caltrans Bridge Survey:**  not available at SCCIC; please go to <http://www.dot.ca.gov/hq/structur/strmaint/historic.htm>
- Shipwreck Inventory:**  not available at SCCIC; please go to [http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks\\_Database.asp](http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp)
- Soil Survey Maps: (see below)**  not available at SCCIC; please go to <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the [California Historical Resources Information System](#),

Michelle Galaz  
Assistant Coordinator

## Enclosures:

- (X) Covid-19 Emergency Protocols for San Bernardino County Records Searches – 2 pages
- (X) Custom Maps – 1 page
- (X) Resource Digital Database (spreadsheet) – 12 lines
- (X) Report Digital Database (spreadsheet) – 12 lines
- (X) Resource Record Copies – (all) – 339 pages
- (X) Report Copies – (within project area) – 453 pages
- (X) Archaeological Determinations of Eligibility (2012) – 1 page
- (X) National Register Status Codes – 1 page
- (X) Invoice #22681.8856



## **Emergency Protocols for San Bernardino County Records Searches**

**These instructions are for qualified consultants with a valid Access and Use Agreement.**

**WE ARE ONLY PROVIDING DATA THAT IS ALREADY DIGITAL AT THIS TIME. WE ARE NOT PROVIDING SHAPEFILE DATA FOR SAN BERNARDINO COUNTY; YOU WILL ONLY RECEIVE A CUSTOM DIGITAL MAP.**

We can only provide you information that is already in digital format; therefore, your record search may or may not be complete. Some records are only available in paper formats and so may not be available at this time. This also means that there may be data missing from the database bibliographies; locations of resource and report boundaries may be missing or mis-mapped on our digital maps; and that no pdf of a resource or report is available or may be incomplete.

As for the GIS mapped data, bibliographic databases, and pdfs of records and reports; not all the data in our digital archive for San Bernardino County was processed by SCCIC, therefore, we cannot vouch for its accuracy. Accuracy checking and back-filling of missing information is an on-going process under normal working conditions and cannot be conducted under the emergency protocols.

This is an extraordinary and unprecedented situation. Your options will be limited so that we can help as many of you as possible in the shortest amount of time. You may not get everything you want and/or you may get more than you want. We appreciate your patience and resilience.

**Please send in your request via email using the data request form along with the associated shape files and pdf map of the project area.** If you have multiple SBCO jobs for processing, you may not get them all back at the same time. Use this data request form:

<http://web.sonoma.edu/nwic/docs/CHRISDataRequestForm.pdf>

**Please make your selections on the data request form based on the following instructions.**

1. Keep your search radius as tight as possible, but we understand if you have a requirement. The wider the search radius, the higher the cost. You are welcome to request a Project area only search, but please make it clear on the request form that that is what you are seeking.

2. You will get custom maps of resource locations for the project area and the radius that you choose. We will only be providing maps of report locations for the project area and up to a ¼-mile radius. If you need bibliographic information for more than ¼-mile radius – you will be charged for all report map features within your selected search radius. You can opt out of having us create custom maps but you still pay for the map features in the project area or the selected search radius if you want the associated bibliographic information or pdfs of resources or reports.
3. You can request copies of site records and reports if they are digitally available.
4. You will also get the bibliographies (List, Details, Spreadsheet) that you choose for resources and reports. Because the bibliographic database is not yet complete, you will only get what is available at the time of your records search.
5. If you request more than what we are offering here, we may provide it if it is available or we reserve the right to default to these instructions. If you want copies of resources and reports that are not available digitally at the time of the search, you can send us a separate request for processing when we are allowed to return to the office. Fees will apply.
6. **You will need to search the OHP BERD yourself for your project area and your search radius.** This replaces the old OHP HPD. It is available online at the OHP website.
7. You can go online to find historic maps, so we are not providing them at this time.
8. Your packet will be sent to you electronically via Dropbox. We use 7-zip to password protect the files so you will need both on your computers. We email you the password. If you can't use Dropbox for some reason, then you will need to provide us with your Fed ex account number and we will ship you a disc with the results. As a last resort, we will ship on a disc via the USPS. You may be billed for our shipping and handling costs.
9. We will be billing you at the staff rate of \$150 per hour and you will be charged for all resources and reports according to the “custom map charges”, even if you don't get a custom or hand-drawn map. You will also be billed 0.15 per pdf page, as usual. Quad fees will apply if your research includes more than 2 quads. The fee structure for custom maps was designed to mimic the cost of doing the search by hand so the fees are comparable.
10. **A copy of the digital fee structure is available on the Office of Historic Preservation website under the CHRIS tab. If the digital fee structure is new to you or you don't understand it; please ask questions before we process your request, not after. Thank you.**

**APPENDIX 3**

**CORRESPONDENCE WITH  
NATIVE AMERICAN REPRESENTATIVES\***

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\* Twelve local Native American representatives were contacted during this study; a sample letter is included in the appendix.

# SACRED LANDS FILE & NATIVE AMERICAN CONTACTS LIST REQUEST

## NATIVE AMERICAN HERITAGE COMMISSION

915 Capitol Mall, RM 364  
Sacramento, CA 95814  
(916) 653-4082  
(916) 657-5390 (fax)  
nahc@pacbell.net

**Project:** West Valley Water District 18-inch Transmission Main Installation Project (CRM TECH No. 3755)

**County:** San Bernardino

**USGS Quadrangle Name:** Devore, Calif.

**Township** 1 North **Range** 5 West **SB BM; Section(s):** 18

**Company/Firm/Agency:** CRM TECH

**Contact Person:** Nina Gallardo

**Street Address:** 1016 E. Cooley Drive, Suite A/B

**City:** Colton, CA **Zip:** 92324

**Phone:** (909) 824-6400 **Fax:** (909) 824-6405

**Email:** ngallardo@crmtech.us

**Project Description:** The primary component of the project is to install approximately 650 linear feet of 18-inch transmission main that will connect to an existing 18-inch transmission main at Lytle Creek Road, bore under the I-15 freeway and terminate at Citrus Avenue on the southeast side of the freeway. The project location is in and near the City of Fontana, San Bernardino County, California.

July 13, 2021



STATE OF CALIFORNIA

Gavin Newsom, Governor

## NATIVE AMERICAN HERITAGE COMMISSION

July 30, 2021

Nina Gallardo  
CRM TECHVia Email to: [ngallardo@crmtech.us](mailto:ngallardo@crmtech.us)CHAIRPERSON  
**Laura Miranda**  
LuiseñoVICE CHAIRPERSON  
**Reginald Pagaling**  
ChumashSECRETARY  
**Merri Lopez-Keifer**  
LuiseñoPARLIAMENTARIAN  
**Russell Attebery**  
KarukCOMMISSIONER  
**William Mungary**  
Paiute/White Mountain  
ApacheCOMMISSIONER  
**Julie Tumamait-Stenslie**  
ChumashCOMMISSIONER  
[Vacant]COMMISSIONER  
[Vacant]COMMISSIONER  
[Vacant]EXECUTIVE SECRETARY  
**Christina Snider**  
Pomo

**NAHC HEADQUARTERS**  
1550 Harbor Boulevard  
Suite 100  
West Sacramento,  
California 95691  
(916) 373-3710  
[nahc@nahc.ca.gov](mailto:nahc@nahc.ca.gov)  
[NAHC.ca.gov](http://NAHC.ca.gov)

**Re: Proposed West Valley Water District 18-inch Transmission Main Installation Project, San Bernardino County**

Dear Ms. Gallardo:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: [Andrew.Green@nahc.ca.gov](mailto:Andrew.Green@nahc.ca.gov).

Sincerely,

Andrew Green  
Cultural Resources Analyst

Attachment

**Native American Heritage Commission  
Native American Contact List  
San Bernardino County  
7/30/2021**

**Agua Caliente Band of Cahuilla Indians**

Jeff Grubbe, Chairperson  
5401 Dinah Shore Drive Cahuilla  
Palm Springs, CA, 92264  
Phone: (760) 699 - 6800  
Fax: (760) 699-6919

**Gabrielino Tongva Indians of California Tribal Council**

Christina Conley, Tribal  
Consultant and Administrator  
P.O. Box 941078 Gabrielino  
Simi Valley, CA, 93094  
Phone: (626) 407 - 8761  
christina.marsden@alumni.usc.edu

**Agua Caliente Band of Cahuilla Indians**

Patricia Garcia-Plotkin, Director  
5401 Dinah Shore Drive Cahuilla  
Palm Springs, CA, 92264  
Phone: (760) 699 - 6907  
Fax: (760) 699-6924  
ACBCI-THPO@aguacaliente.net

**Gabrielino-Tongva Tribe**

Charles Alvarez,  
23454 Vanowen Street Gabrielino  
West Hills, CA, 91307  
Phone: (310) 403 - 6048  
roadkingcharles@aol.com

**Gabrieleno Band of Mission Indians - Kizh Nation**

Andrew Salas, Chairperson  
P.O. Box 393 Gabrielino  
Covina, CA, 91723  
Phone: (626) 926 - 4131  
admin@gabrielenoindians.org

**Morongo Band of Mission Indians**

Robert Martin, Chairperson  
12700 Pumarra Road Gabrielino  
Banning, CA, 92220  
Phone: (951) 755 - 5110  
Fax: (951) 755-5177  
abrierty@morongo-nsn.gov

**Gabrieleno/Tongva San Gabriel Band of Mission Indians**

Anthony Morales, Chairperson  
P.O. Box 693 Gabrielino  
San Gabriel, CA, 91778  
Phone: (626) 483 - 3564  
Fax: (626) 286-1262  
GTTribalcouncil@aol.com

**Morongo Band of Mission Indians**

Ann Brierty, THPO  
12700 Pumarra Road Gabrielino  
Banning, CA, 92220  
Phone: (951) 755 - 5259  
Fax: (951) 572-6004  
abrierty@morongo-nsn.gov

**Gabrielino /Tongva Nation**

Sandonne Goad, Chairperson  
106 1/2 Judge John Aiso St., Gabrielino  
#231  
Los Angeles, CA, 90012  
Phone: (951) 807 - 0479  
sgoad@gabrielino-tongva.com

**Quechan Tribe of the Fort Yuma Reservation**

Jill McCormick, Historic  
Preservation Officer  
P.O. Box 1899 Quechan  
Yuma, AZ, 85366  
Phone: (760) 572 - 2423  
historicpreservation@quechantribe.com

**Gabrielino Tongva Indians of California Tribal Council**

Robert Dorame, Chairperson  
P.O. Box 490 Gabrielino  
Bellflower, CA, 90707  
Phone: (562) 761 - 6417  
Fax: (562) 761-6417  
gtongva@gmail.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Proposed West Valley Water District 18-inch Transmission Main Installation Project, San Bernardino County.



**From:** Nina Gallardo <ngallardo@crmtech.us>  
**Sent:** Wednesday, August 4, 2021 8:50 AM  
**To:** admin@gabrielenoindians.org;  
**Subject:** Information Regarding Positive NAHC Response for Proposed West Valley Water District 18-inch Transmission Main Installation Project in and near the City of Fontana (CRM TECH No. 3755)

Hello Mr. Salas,

I'm emailing to inform you that CRM TECH will be conducting a cultural resources study for the proposed West Valley Water District 18-inch Transmission Main Installation Project in and near the City of Fontana, San Bernardino County. We have received a positive SLF response from the Native American Heritage Commission. In the response, the NAHC recommended specifically contacting the Gabrieleño Band of Mission Indians–Kizh Nation for further information (see attached).

I'm contacting you to see if the Gabrieleno Band of Mission Indians- Kizh Nation has any information regarding cultural sites in the project vicinity (see enclosed map). We would appreciate any information that the tribe can provide to us and please feel free to call or email us back.

Thanks for your time and input on this project.

Nina Gallardo  
Project Archaeologist/Native American liaison  
CRM TECH  
1016 E. Cooley Drive, Ste. A/B  
Colton, CA 92324  
(909) 824-6400



August 4, 2021

RE: Proposed West Valley Water District 18-inch Transmission Main Installation Project  
Approximately 650 Linear Feet of Pipeline Alignment in and near the City of Fontana  
San Bernardino County, California  
CRM TECH Contract #3755

Dear Tribal Representative:

I am writing to bring your attention to an ongoing CEQA Plus study for the proposed project referenced above, which entails the installation of approximately 650 linear feet of 18-inch transmission main pipeline in and near the City of Fontana, San Bernardino County, California. The Area of Potential Effects (APE) for the project consists of the proposed pipeline alignment from Lytle Creek Road, across (underneath) Interstate Highway 15, and terminating at Citrus Avenue. The accompanying map, based on the USGS Devore, Calif., 7.5' quadrangle, depicts the APE in Section 18, T1N R5W, SBBM.

In a letter dated July 30, 2021, the Native American Heritage Commission reports that the results of the Sacred Lands File search were positive for tribal cultural resources in the vicinity and recommends contacting local tribes, specifically the Gabrieleño Band of Mission Indians–Kizh Nation, for further information (see attached). As part of the cultural resources study for this project, I am writing to request your input on any specific information that you can provide regarding the Sacred Lands File search results.

Please respond at your earliest convenience if you have any specific knowledge of sacred/religious sites or other sites of Native American traditional cultural value in or near the APE, or any other information to consider during the cultural resources investigations. Any information or concerns may be forwarded to CRM TECH by telephone, e-mail, facsimile, or standard mail. Requests for documentation or information we cannot provide will be forwarded to our client and/or the lead agency, namely the West Valley Water District.

We would also like to clarify that, as the cultural resources consultant for the project, CRM TECH is not involved in the AB 52-compliance process or in government-to-government consultations. The purpose of this letter is to seek any information that you may have to help us determine if there are cultural resources in or near the project area that we should be aware of and to help us assess the sensitivity of the APE. Thank you for your time and effort in addressing this important matter.

Respectfully,

Nina Gallardo  
Project Archaeologist/Native American liaison  
CRM TECH  
Email: ngallardo@crmtech.us

**From:** Vanessa Minott  
**To:** ngallardo@crmtech.us  
**Date:** Wednesday, August 4, 2021 9:39:09 AM  
**Subject:** RE: NA Scoping Letter for the Proposed WVWD 18-inch Transmission Main Installation Project in and near the City of Fontana; CRM TECH No. 3755

Acha'i Tamit,

Santa Rosa does not have any comments at this time. Thank you.

Respectfully,  
 Vanessa Minott  
 Tribal Administrator  
 Santa Rosa Band of Cahuilla Indians  
 W - 951-659-2700 ext. 102  
 C - 760-668-0460  
 F - 951-659-2228  
 65199 State Hwy. 74  
 Mountain Center, CA 92561  
 P.O. Box 391820  
 Anza, CA 92539

*Please note that my email has changed to vminott@santarosa-nsn.gov*

---

**From:** Gonzalez Romero, Arysa (TRBL)  
**To:** ngallardo@crmtech.us  
**Date:** Wednesday, August 4, 2021 9:20:52 AM  
**Subject:** RE: NA Scoping Letter for the Proposed WVWD 18-inch Transmission Main Installation Project in and near the City of Fontana; CRM TECH No. 3755

Greetings,

A records check of the Tribal Historic preservation office's cultural registry revealed that this project is not located within the Tribe's Traditional Use Area. Therefore, we defer to the other tribes in the area. This letter shall conclude our consultation efforts.

Thank you,

**Arysa Gonzalez Romero, M.S., RPA.**  
*Historic Preservation Technician*  
 Agua Caliente Band of Cahuilla Indians  
 Tribal Historic Preservation Office  
 Main (760)-883-1327 | Cell (760)-831-2484

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**From:** Quechan Historic Preservation Officer <historicpreservation@quechantribe.com>  
**Sent:** Wednesday, August 4, 2021 10:38 AM  
**To:** ngallardo@crmtech.us  
**Subject:** RE: NA Scoping Letter for the Proposed WVWD 18-inch Transmission Main Installation Project in and near the City of Fontana; CRM TECH No. 3755

This email is to inform you that we have no comments on this project. We defer to the more local Tribes and support their decisions on the projects.

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**From:** Gabrieleno Administration <admin@gabrielenoindians.org>  
**Sent:** Wednesday, August 4, 2021 11:03 AM  
**To:** Nina Gallardo  
**Subject:** RE: Information Regarding Positive NAHC Response for Proposed West Valley Water District 18-inch Transmission Main Installation Project in and near the City of Fontana (CRM TECH No. 3755)

Hello Nina

Thank you for your email. Can you please provide me with the lead agencies contact information?

Admin Specialist  
 Gabrieleno Band of Mission Indians - Kizh Nation  
 PO Box 393  
 Covina, CA 91723  
 Office: 844-390-0787  
 website: [www.gabrielenoindians.org](http://www.gabrielenoindians.org)

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**From:** Nina Gallardo <ngallardo@crmtech.us>  
**Sent:** Wednesday, August 4, 2021 12:06 PM  
**To:** 'Gabrieleno Administration'  
**Subject:** RE: Information Regarding Positive NAHC Response for Proposed West Valley Water District 18-inch Transmission Main Installation Project in and near the City of Fontana (CRM TECH No. 3755)

Hello,

I'm sending along the lead agency's contact information. The lead agency is West Valley Water District, and their contact person for this project is Ms. Rosa Gutierrez. Her email is [rgutierrez@wwwd.org](mailto:rgutierrez@wwwd.org) and her phone is (909) 875-1322 x 327.

Thanks for your time and input on this project.

Nina Gallardo  
 Project Archaeologist/Native American liaison  
 CRM TECH  
 1016 E. Cooley Drivem Ste. A/B  
 Colton, CA 92324  
 (909) 824-6400

---

**From:** Ryan Nordness <Ryan.Nordness@sanmanuel-nsn.gov>  
**Sent:** Friday, August 20, 2021 5:56 PM  
**To:** [ngallardo@crmtech.us](mailto:ngallardo@crmtech.us)  
**Subject:** RE: NA Scoping Letter for the Proposed WWWD 18-inch Transmission Main Installation Project in and near the City of Fontana; CRM TECH No. 3755

Hey Nina,

Thank you for reaching out to the San Manuel Band of Mission Indians concerning the proposed project area. SMBMI appreciates the opportunity to review the project documentation received by the Cultural Resources Management Department on August 20, 2021. The proposed project is located less than a ¼ mile from a known cairn feature. The area is of great concern to SMBMI and are very interested to consult whenever this project moves into AB52/CEQA territory.

Thank you again for your correspondence, if you have any additional questions or comments please reach out to me at your earliest convenience.

Respectfully,

Ryan Nordness  
CULTURAL RESOURCE ANALYST  
Email: Ryan.Nordness@sanmanuel-nsn.gov  
O: (909) 864-8933 Ext 50-2022  
Internal: 50-2022  
M: (909) 838-4053  
26569 Community Center Dr Highland California 92346

## TELEPHONE LOG

Name	Tribe/Affiliation	Telephone Contacts	Note
Patricia Garcia-Plotkin, Director, Tribal Historic Preservation Office	Agua Caliente Band of Cahuilla Indians	None	Arysa Gonzalez Romero, Historic Preservation Technician for the tribe, responded by e-mail on August 4, 2021 (copy attached).
Sandonne Goad, Chairperson	Gabrielino/Tongva Nation	9:48 am, August 20, 2021; 4:00 pm, August 30, 2021	Left messages; no response to date.
Andrew Salas, Chairman	Gabrieleño Band of Mission Indians–Kizh Nation	None	The tribe responded by e-mail on August 4, 2021 (copy attached).
Anthony Morales, Chairperson	Gabrieleno/Tongva San Gabriel Band of Mission Indians	9:50 am, August 20, 2021; 4:12 pm, August 30, 2021	According to Mr. Morales, the tribe had not yet reviewed the request for input, but he noted that this project involved minimal ground disturbance.
Charles Alvarez, Chairperson	Gabrielino-Tongva Tribe	10:01 am, August 20, 2021; 4:23 pm, August 30, 2021	Mr. Alvarez stated that the cultural resource department was reviewing the request and would send any comments as soon as possible. No further response has been received.
Robert F. Dorame, Tribal Chairman	Gabrielino Tongva Indians of California	9:56 am, August 20, 2021; 4:19 pm, August 30, 2021	Mr. Dorame requested notification if any prehistoric artifacts and/or human remains were uncovered during ground-disturbing activities.
Jill McCormick, Historic Preservation Officer	Quechan Tribe of the Fort Yuma Reservation	None	Ms. McCormick responded by e-mail on August 4, 2021 (copy attached).
Ann Brierty, Tribal Historic Preservation Officer	Morongo Band of Mission Indians	10:05 am, August 20, 2021; 4:27 pm, August 30, 2021	Left messages; no response to date.
Jessica Mauck, Director of Cultural Resources Management	San Manuel Band of Mission Indians	10:16 am, August 20, 2021	Ryan Nordness, Cultural Resource Analyst for the tribe, responded by e-mail on August 20, 2021 (copy attached).
Vanessa Minott, Tribal Administrator	Santa Rosa Band of Cahuilla Indians	None	Ms. Minott responded by e-mail on August 4, 2021 (copy attached).
Mark Cochrane, Co-Chairperson	Serrano Nation of Mission Indians	10:18 am, August 20, 2021; 4:31 pm, August 30, 2021	Mr. Cochrane requested to be notified immediately if any Native American cultural resources or human remains were discovered during the project.
Joseph Ontiveros, Tribal Historic Preservation Officer	Soboba Band of Luiseño Indians	10:22 am, August 20, 2021; 4:38 pm, August 30, 2021	The tribe deferred to the San Manuel Band of Mission Indians and the Gabrieleno/Tongva San Gabriel Band of Mission Indians for this location.

**APPENDIX 4**  
**CALIFORNIA HISTORICAL RESOURCES INVENTORY**  
**RECORD FORM**

<b>State of California--The Resources Agency</b> <b>DEPARTMENT OF PARKS AND RECREATION</b> <b>PRIMARY RECORD</b>	<b>Primary #</b> <b>HRI #</b> <b>Trinomial</b> _____ <b>NRHP Status Code</b> <u>6Z</u>
	<b>Other Listings</b> <b>Review Code</b> _____ <b>Reviewer</b> _____ <b>Date</b> _____

Page 1 of 4      \*Resource Name or # (Assigned by recorder) CRM TECH 3755-1H

- P1. **Other Identifier:** Lytle Creek Road
- \*P2. **Location:** Not for Publication  Unrestricted      \*a. **County** San Bernardino  
 and (P2b and P2c or P2d. Attach a Location Map as necessary.)  
 \*b. **USGS 7.5' Quad** Devore, Calif.      **Date** 1966, photorevised 1988  
**T1N; R5W; NW 1/4 of NW 1/4 of SW 1/4 of Sec 18 ; S.B. B.M.**  
**Elevation:** Approximately 1,865 feet above mean sea level
- c. **Address** N/A      **Census Designated Place** Lytle Creek      **Zip** \_\_\_\_\_
- d. **UTM:** (Give more than one for large and/or linear resources) **Zone** 11 ; 458195 **mE/** 3781360 **mN;**  
**UTM Derivation:** USGS Quad **GPS**  Google Earth
- e. **Other Locational Data:** (e.g., parcel #, directions to resource, etc., as appropriate) Approximately 250 feet northwest of Interstate Highway 15

\*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) The site consists of a small segment of Lytle Creek Road that will be impacted by a proposed water main pipeline installation project. It marks the southwestern end of the portion of Lytle Creek Road that still follows its pre-1970s alignment, which dated at least to the 1930s. Further to the southwest, the road was completely realigned as a result of the construction of Interstate Highway 15 nearby in the 1970s, and the original alignment, extending south from this location to meet Citrus Avenue, has been removed and has left no discernable physical remnants today. In its current configuration, Lytle Creek Road at this location is a two-lane, asphalt-paved country highway with hard shoulders on both sides, measuring approximately 35 feet in total width. Due to the relatively recent alterations and regular maintenance, it exhibits no distinctively historical characteristics.

- \*P3b. **Resource Attributes:** (List attributes and codes) AH7: Road
- \*P4. **Resources Present:** Building Structure Object Site District Element of District  
Isolate  Other (linear feature)

P5a. **Photograph or Drawing** (Photograph required for buildings, structures, and objects.) (See p. 2)

P5b. **Description of Photo:** (view, date, accession #) \_\_\_\_\_

\*P6. **Date Constructed/Age and Sources:**  Historic  Prehistoric  Both  Pre-1936

\*P7. **Owner and Address:** San Bernardino County Department of Public Works, Transportation Division, 825 East Third Street, San Bernardino, CA 92415

\*P8. **Recorded by:** (Name, affiliation, and address) Salvadore Z. Boites, CRM TECH, 1016 East Cooley Drive, Suite A/B, Colton, CA 92324

\*P9. **Date Recorded:** September 10, 2021

\*P10. **Survey Type:** (Describe) Intensive-level survey for Section 106- and CEQA-compliance purposes

\*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.") Bai "Tom" Tang, Deirdre Encarnación, and Salvadore Boites (2021): Identification and Evaluation of Historic Properties: West Valley Water District 18-inch Transmission Main Installation Project, in and near the City of Fontana, San Bernardino County, California

\*Attachments: None  Location Map  Sketch Map  Continuation Sheet  Building, Structure, and Object Record  
 Archaeological Record  District Record  Linear Resource Record  Milling Station Record  Rock Art Record  
 Artifact Record  Photograph Record  Other (List): \_\_\_\_\_





State of California - Natural Resources Agency  
DEPARTMENT OF PARKS AND RECREATION  
**LOCATION MAP**

Primary #  
HRI#  
Trinomial

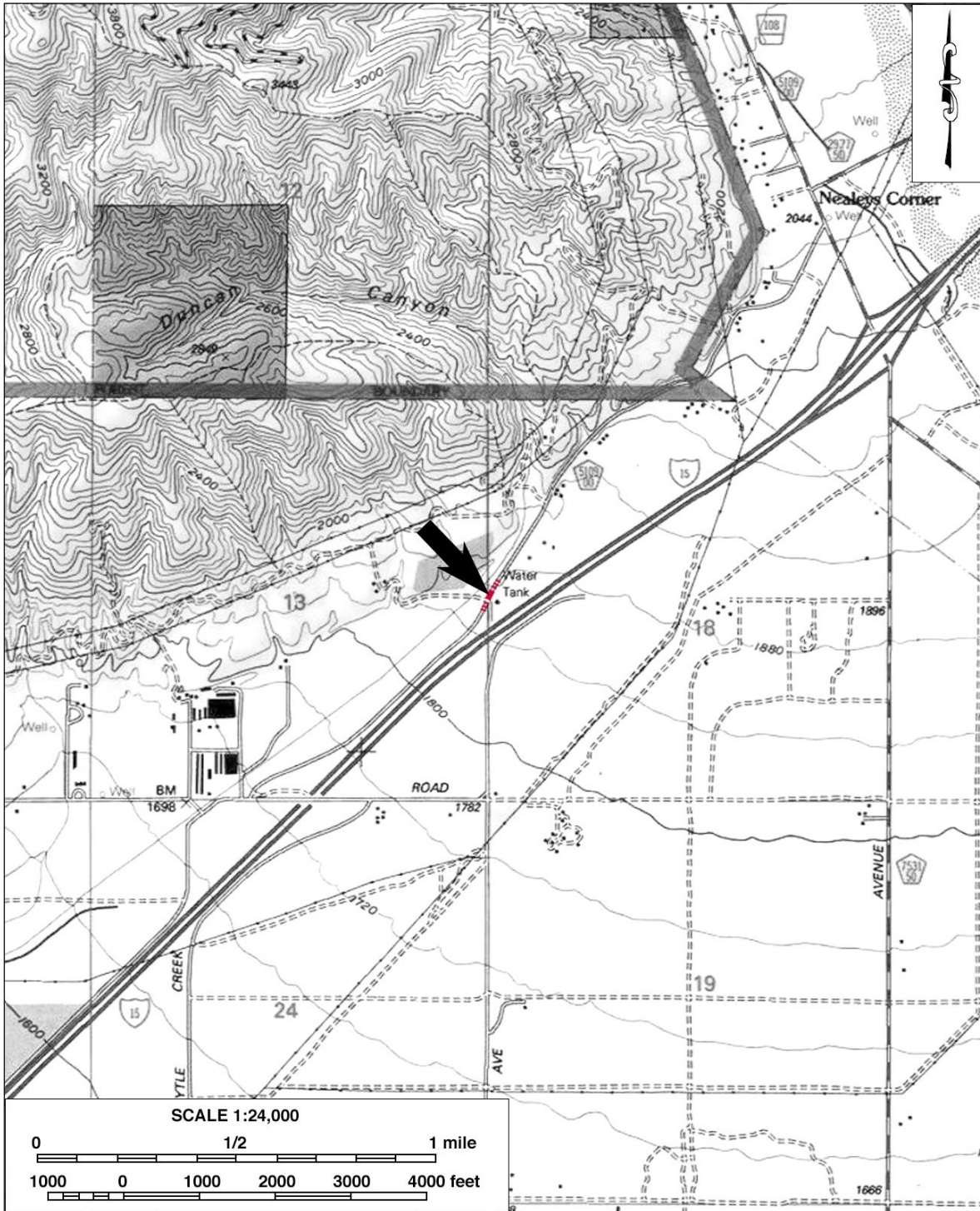
Page 3 of 4

\*Resource Name or # (Assigned by recorder) CRM TECH 3755-1H

\*Map Name: Devore, Calif.

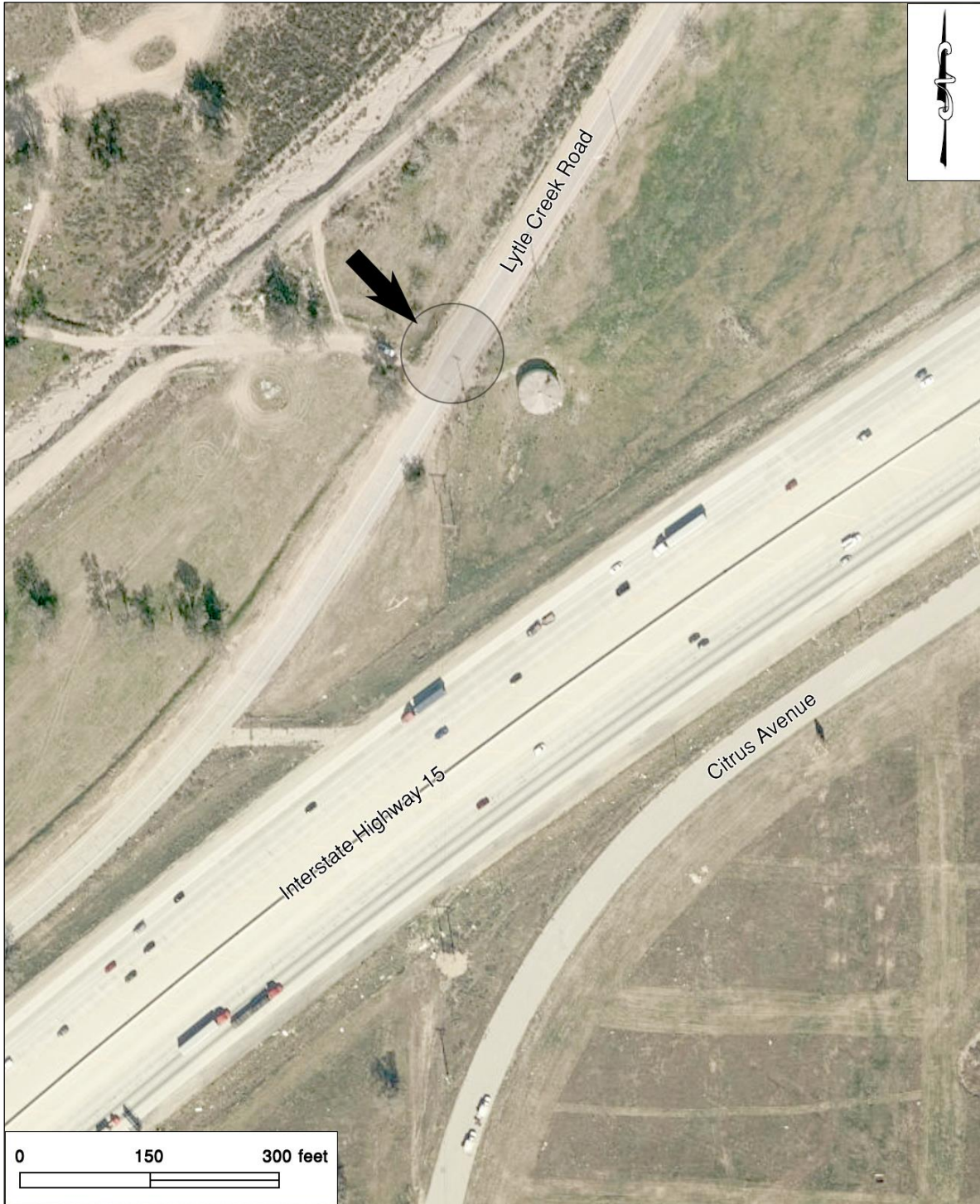
\*Scale: 1:24,000

\*Date of Map: 1966/1988



State of California - Natural Resources Agency  
DEPARTMENT OF PARKS AND RECREATION  
**CONTINUATION SHEET**

Primary #  
HRI#  
Trinomial \_\_\_\_\_



**APPENDIX 4a**



780 N. 4th Street  
El Centro, CA 92243  
(760) 370-3000  
landmark@landmark-ca.com

77-948 Wildcat Drive  
Palm Desert, CA 92211  
(760) 360-0665  
gchandra@landmark-ca.com

April 23, 2021

Mr. Siming Zhang  
Albert A Webb Associates  
3788 McCray Street  
Riverside, CA 92506

**Geotechnical Report  
Proposed 18-inch Transmission Main Waterline  
Fontana, California  
LCI Report No.: LP21010**

Dear Mr. Zhang:

As per your request, *LandMark Consultants, Inc.* is providing the following geotechnical report for the proposed transmission main waterline project located along future Right-of-Way from Lytle Creek Road to Citrus Avenue in northern Fontana, California.

**Project Description**

This report presents the findings of our geotechnical investigation for proposed waterline development located along future Right-of-Way from Citrus Avenue to Lytle Creek Road in northern Fontana, California (See Vicinity Map, Plate A-1). The proposed development will consist of installation of 18-inch transmission water main with steel casing under I-15 Ontario Freeway. A site plan for the proposed development was provided by your office on March 2021.

**Purpose of Work**

The purpose of this study was to investigate the upper 31.5 feet of subsurface soil at selected locations within the site for evaluation of physical/engineering properties. From the analysis of the field and laboratory data, professional opinions were developed and are provided in this report regarding geotechnical conditions at this site and the effect on design and construction.

**Field Exploration**

Subsurface exploration was performed on March 30, 2021 using 2R Drilling of Ontario, California to advance two (2) borings to depths of 20.5 and 31.5 feet below existing ground surface. The borings were advanced with a truck-mounted, CME-75 drill rig using 8-inch diameter, hollow-stem, continuous-flight augers. The approximate boring locations were established in the field and plotted on the site map by sighting to discernable site features. The boring locations are shown on the Site and Exploration Plan (Plate A-2).

Our geo-technician observed the drilling operations and maintained a log of the soil encountered and sampling depths, visually classified the soil encountered during drilling in accordance with the Unified Soil Classification System, and obtained drive tube and bulk samples of the subsurface materials at selected intervals. Relatively undisturbed soil samples were retrieved using a 2-inch outside diameter (OD) split-spoon sampler or a 3-inch OD Modified California Split-Barrel (ring) sampler. The samples were obtained by driving the sampler ahead of the auger tip at selected depths.

The drill rig was equipped with a 140-pound CME automatic hammer with a 30-inch drop for conducting Standard Penetration Tests (SPT) in accordance with ASTM D1586. The number of blows required to drive the samplers the last 12 inches of an 18-inch drive length into the soil is recorded on the boring logs as “blows per foot”. Blow counts reported on the boring logs represent the field blow counts. No corrections have been applied for effects of overburden pressure, automatic hammer drive energy, drill rod lengths, liners, and sampler diameter. When samples were not able to be driven an 18 inches depth, sampler penetration depth was recorded for 50 blows with a 140-lbs drive hammer.

After logging and sampling the soil, the exploratory boring was backfilled with the excavated material. The backfill was loosely placed and was not compacted to the requirements specified for engineered fill.

The subsurface logs are presented on Plates B-1 and B-2 in Appendix B. A key to the log symbols is presented on Plate B-3. The stratification lines shown on the subsurface logs represent the approximate boundaries between the various strata. However, the transition from one stratum to another may be gradual over some range of depth.

**Laboratory Testing**

Laboratory tests were conducted on selected bulk soil samples to aid in classification and evaluation of selected properties of the site soils. The tests were conducted in general conformance to the procedures of the American Society for Testing and Materials (ASTM) or other standardized methods as referenced below. The laboratory testing program consisted of the following tests:

- < Amount of Material Finer than 75- $\mu$ m (No. 200) Sieve in Soils by Washing (ASTM D1140)
- < Unit Dry Densities (ASTM D2937) and Moisture Contents (ASTM D2216)
- < Chemical Analyses (soluble sulfates & chlorides, pH, and resistivity)

The laboratory test results are presented on the subsurface logs (Appendix B) and Appendix C. Engineering parameters of soil strength, compressibility, and relative density utilized for developing design criteria provided within this report were extrapolated from data obtained from the field and laboratory testing program.

**Site Conditions**

The project site is located in northern Fontana, California at the intersection of the Interstate 5 Freeway and Citrus Avenue. The proposed pipeline will extend under the I-5 Freeway. The project site is undeveloped with a power line running parallel to the proposed pipeline.

The project site lies at an elevation between approximately 1835 to 1855 feet above mean sea level (MSL) in the Fontana area of Southern California. Annual average rainfall in this region is approximately 11 inches with average summertime temperature highs above 90°F and lows in the mid 50's to low 60's. Average winter temperature highs are in the high 60's with lows in mid 30's to low 40's.

**Subsurface Soils**

Subsurface soils encountered during the field exploration conducted on March 30, 2021 consist of medium dense to very dense interbedded silty sands (SM) and sands (SP and SP-SM) with gravel and cobbles to a depth of 31.5 feet, the maximum depth of exploration. The near surface soils are non-expansive in nature.

The subsurface logs (Plates B-1 and B-2) depict the stratigraphic relationships of the various soil types. Refusal was encountered in Boring B-2 at a depth of 20.5 feet.

### **Groundwater**

Groundwater was not encountered in the borings during the time of exploration. The well information collected near the subject site (Well 341475N1174729W001), has indicated that the ground water level ranges from 705 feet to 732 feet below the ground surfaces in the last 5 years.

Groundwater levels may fluctuate with precipitation, irrigation of adjacent properties, drainage, and site grading. The groundwater level noted should not be interpreted to represent an accurate or permanent condition. Based on the regional topography, groundwater flow is assumed to be generally towards the southeast within the site area. Flow directions may vary locally in the vicinity of the site.

### **Systematic Settlements**

Systematic settlements are primarily caused by the collapse of the overcut, or annular space, between the jacking pipe and the excavation, and to a lesser extent by elastic deformations of the soil ahead of the advancing tunnel. During tunneling, or after the tunnel is completed, the soil may collapse or squeeze onto the pipe, resulting in settlements at the surface. Systematic settlements generally decrease with distance above the crown of the pipe and with lateral distance from the centerline of the pipe. Systematic settlements decrease as the annular overcut decreases, and the soil consistency (density/stiffness) increase, also, decrease as pipe diameter decreases.

Systematic settlements were evaluated using methodology developed by Birger, Schimdt and Peck (1969) and modified by Cording (1993) as presented in the Design Information Bulletin No. 83-04 (Caltrans Supplement to FHWA Culvert Repair Practices Manual). The following table provides systematic settlements with borehole diameters ranging from 30-¼ to 31 inches, ground cover from 10 to 15 feet above the steel sleeve pipe, and an estimated Angle of Internal Friction of 32°.

**Systematic Settlements for a 30-inch Steel Pipe Sleeve**

Borehole Diameter, db, (in)	Depth of Cover Above Ground, hc, (ft / in)					
	10 / 120	11 / 132	12 / 144	13 / 156	14 / 168	15 / 180
30 <sup>3</sup> / <sub>4</sub>	0.13	0.12	0.11	0.11	0.10	0.10
30 <sup>1</sup> / <sub>2</sub>	0.26	0.25	0.23	0.22	0.20	0.19
30 <sup>3</sup> / <sub>4</sub>	0.40	0.37	0.35	0.32	0.31	0.29
31	0.53	0.49	0.46	0.43	0.41	0.39

Maximum systematic settlements were evaluated directly above the centerline of the 30-inch pipe sleeve. As per Design Information Bulletin No. 83-04 (page 126), the maximum systematic settlement of  $\frac{1}{4}$  inch is allowed for the surface in traffic vehicular lanes and  $\frac{1}{2}$  inch at the surface with no traffic.

If systematic settlements are higher than the maximum allowed, they can be controlled by limiting the radial overcut, and by filling the annulus with bentonite lubricant during tunneling, and with cement grout after tunneling is completed.

Monitoring points may be required to monitor the surface settlements. In general, subsurface monitoring points should be installed at 5 ft and 10 ft above the crown of the proposed tunnel near the jacking shaft, above utilities, and on shoulders of roadways, to evaluate the Contractor's operations before proceeding under critical locations. Additional points at non-critical locations should be monitored to gain an early indication of Contractor workmanship. Simple subsurface monitoring points that consist of a length of steel rebar installed inside a cased borehole that extends to the desired height above the tunnel crown is shown on Plate D-1 (Appendix D).

**Bedding and Backfill of Pipeline**

Bedding provides lateral and bearing support to the pipe. The bedding and the backfill and their densification should conform to the "*Standard Specifications for Public Works Construction*" Sections 306-1.2.1 and 306-1.3.1 through 306-1.3.5 or other acceptable standard methods.

Pipe Support: It is assumed that pipeline depths at most locations will vary from 3 to 5 feet below ground surface. At these depths, the soils are predominantly sands and silts. For pipes bedded on the native soils, a modulus of Soil Reaction ( $E'$ ) of 1,000 psi may be used to estimate initial pipe



deflection calculation. Earth dead loads may be assumed to be approximately 125 pounds per cubic foot.

### **Bearing Capacity of Thrust Blocks**

Resistance to lateral forces can be assumed to be provided by friction at the base of thrust blocks and by passive earth pressure. Thrust blocks for the pipeline may be designed using a lateral bearing capacity based on an allowable lateral soil pressure of 250 pcf, computed as an equivalent fluid pressure. An ultimate value of coefficient of friction of 0.35 may be used between the thrust block and the supporting natural soil or compacted fill. The allowable vertical soil pressure may be taken as 2,000 psf.

### **Utility Trench Backfill**

On-site soil free of debris, vegetation, and other deleterious matter may be suitable for use as utility trench backfill. Backfill should be placed in layers not more than 6 inches in thickness, uniformly moisture conditioned to at least 2% over optimum moisture and mechanically compacted to a minimum of 90% of the ASTM D1557 maximum dry density except for the top 12 inches of the trench which shall be compacted to at least 95%. Native backfill should only be placed and compacted after encapsulating buried pipes with suitable bedding and pipe envelope material. On-site soil free of debris, vegetation, and other deleterious matter may be suitable for use as utility trench backfill.

Backfill within roadways should be placed in layers not more than 6 to 8 inches in thickness, uniformly moisture conditioned to at least 2% of optimum moisture and mechanically compacted to a minimum of 90% of the ASTM D1557 maximum dry density except for the top 12 inches of the trench which shall be compacted to at least 95%. Native backfill should only be placed and compacted after encapsulating buried pipes with suitable bedding and pipe envelope material. Pipe envelope/bedding should either be clean sand (Sand Equivalent  $SE > 30$ ). Precautions should be taken in the compaction of the backfill to avoid damage to the pipes and structures.

**Observation and Density Testing**

Site preparation and fill placement should be continuously observed and tested by a representative of a qualified geotechnical engineering firm. Near full-time observation services during the excavation and scarification process is necessary to detect undesirable materials or conditions and soft areas that may be encountered in the construction area. The geotechnical firm that provides observation and testing during construction shall assume the responsibility of "*geotechnical engineer of record*" and, as such, shall perform additional tests and investigation as necessary to satisfy themselves as to the site conditions and the recommendations for site development.

**Closure**

We did not encounter soil conditions that would preclude implementation of the proposed project provided the recommendations contained in this report are implemented in the design and construction of this project.

We appreciate the opportunity to provide our findings and professional opinions regarding geotechnical conditions at the site. If you have any questions or comments regarding our findings, please call our office at (760) 360-0665.

Respectfully Submitted,  
**LandMark Consultants, Inc.**

Greg M. Chandra, P.E., M.ASCE  
Principal Engineer

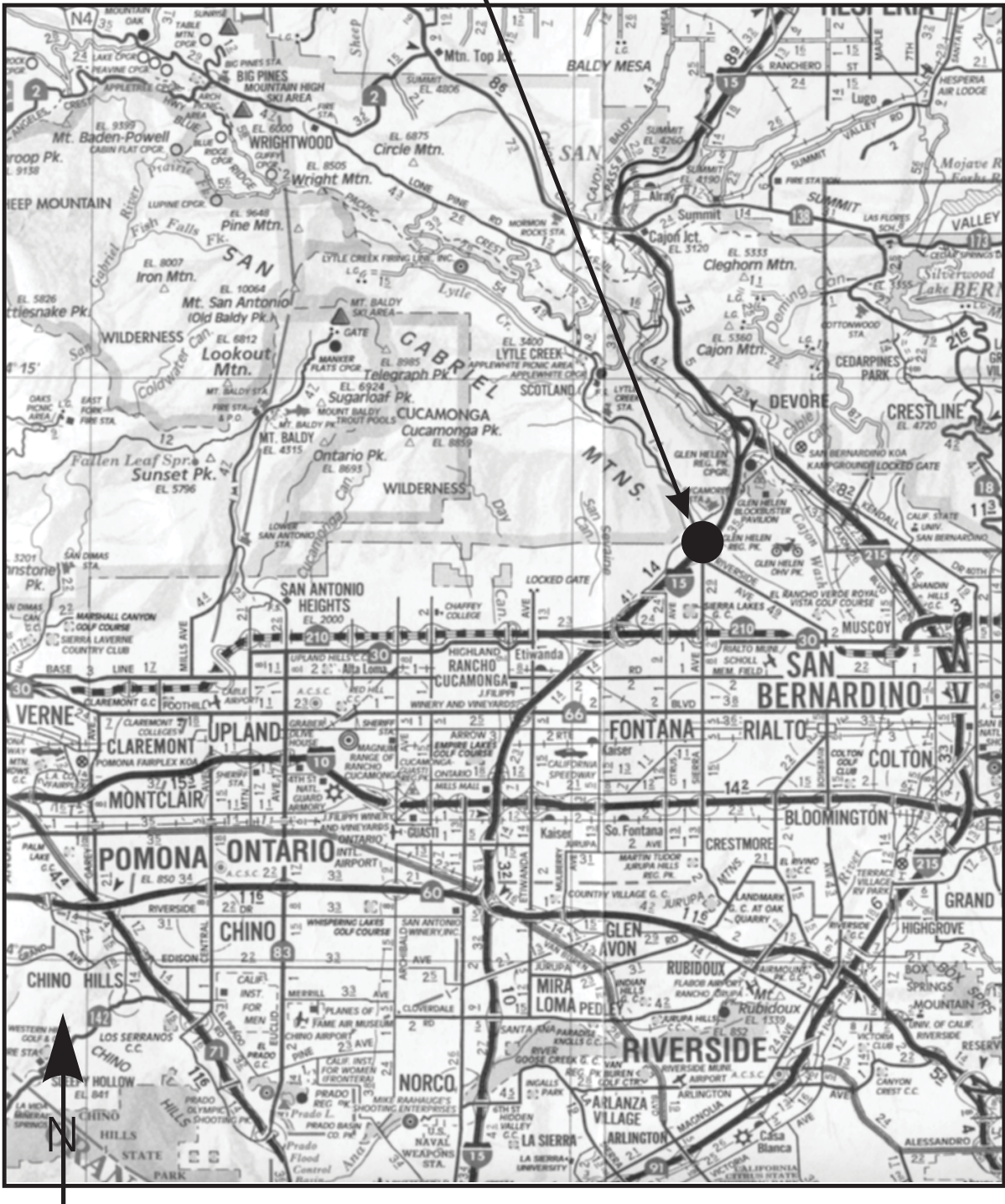


## Attachments:

- Appendix A: Vicinity and Site Maps
- Appendix B: Subsurface Soil Logs and Soil Key
- Appendix C: Laboratory Test Results
- Appendix D: Settlement Monitoring Point Detail

# APPENDIX A

Project Site



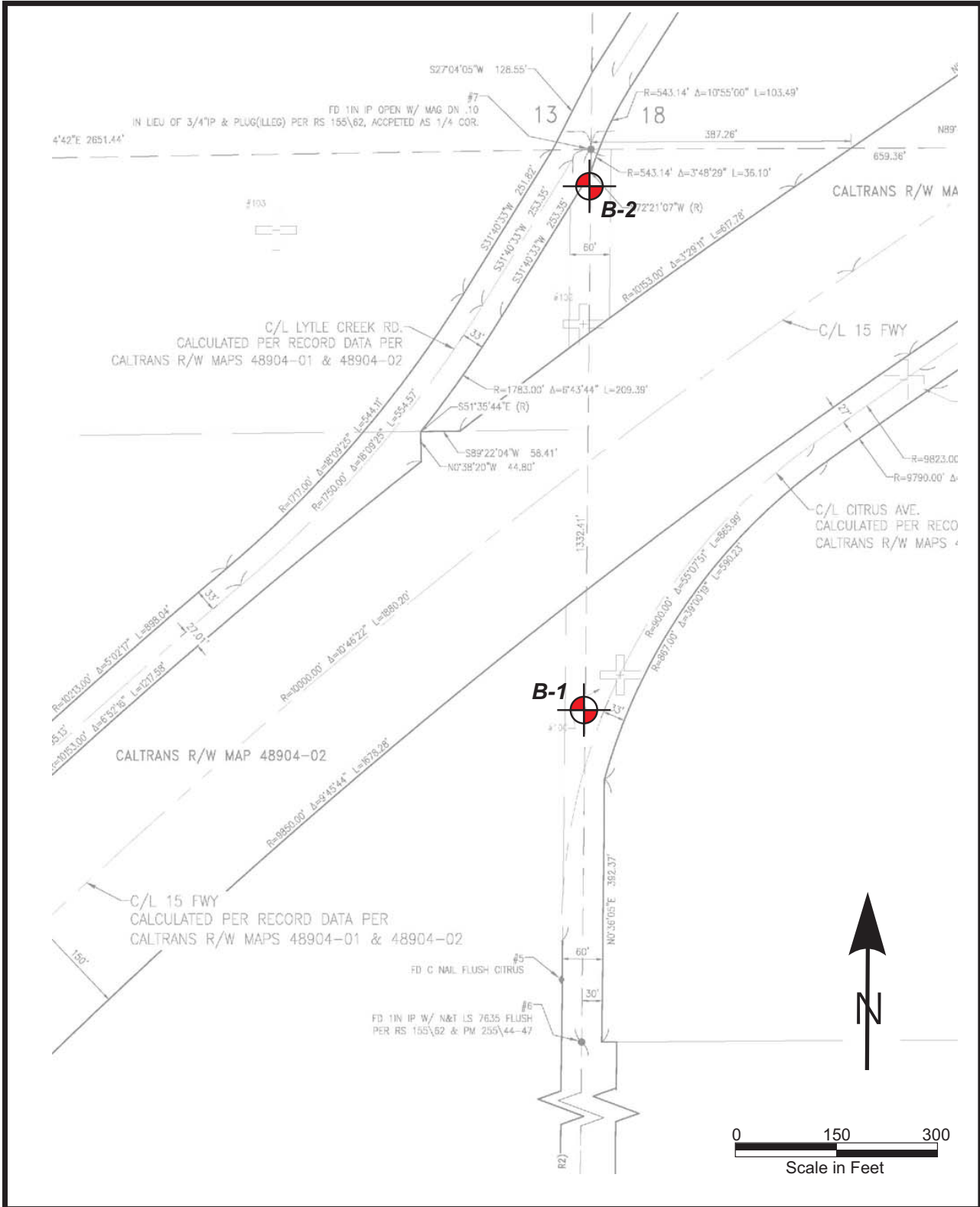
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**LANDMARK**  
 Geo-Engineers and Geologists

Project No.: LP21010

Vicinity Map

Plate  
A-1



**LANDMARK**  
Geo-Engineers and Geologists  
Project No.: LP21010

Site and Exploration Map

Plate  
A-2



117° 27' 24" W



Map Scale: 1:3,320 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84

117° 27' 24" W



USDA Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

4/23/2021 Page 1 of 3

**LANDMARK**  
Geo-Engineers and Geologists

Project No.: LP21010

USDA Soil Conservation  
Soil Service Map

Plate  
A-3

### MAP LEGEND

- Area of Interest (AOI)
- Area of Interest (AOI)
- Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points
- Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features
- Water Features**
- Streams and Canals
- Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads
- Background**
- Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County Southwestern Part, California  
 Survey Area Data: Version 12, May 27, 2020  
 Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.  
 Date(s) aerial images were photographed: Apr 1, 2018—Jun 30, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
HaC	Hanford coarse sandy loam, 2 to 9 percent slopes	21.8	40.4%
ShF	Saugus sandy loam, 30 to 50 percent slopes	0.7	1.3%
TvC	Tujunga gravelly loamy sand, 0 to 9 percent slopes	31.6	58.4%
<b>Totals for Area of Interest</b>		<b>54.1</b>	<b>100.0%</b>





Reference: USGS Topographic Map  
Devore, CA Quadrangle  
Scale 1:25,000

Site Coordinates  
Lat: 34.171N  
Long: -117.454W

**LANDMARK**  
Geo-Engineers and Geologists

Project No.: LP21010

Topographic Map

Plate  
A-4

# APPENDIX B

DEPTH	FIELD				LOG OF BORING No. B-1 SHEET 1 OF 1	LABORATORY			
	SAMPLE	USCS CLASS.	BLOW COUNT	POCKET PEN. (tsf)		DESCRIPTION OF MATERIAL	DRY DENSITY (pcf)	MOISTURE CONTENT (% dry wt.)	OTHER TESTS
5			71/11"		SAND (SP-SM): Dark brown, dry to damp, medium to coarse grained, dense to very dense, some gravels and cobbles	128.2	2.4	Passing #200 = 6.4%	
10			34			141.9	3.4	Passing #200 = 12.0%	
15			50/2"			No recovery			
20			50/6"					2.7	Passing #200 = 6.4%
25			50/6"					2.5	
30		88/9"			Gray		1.9	Passing #200 = 11.4%	
35									
40									
45									
50									
55					Total Depth = 31.5' Groundwater not encountered at time of drilling Backfilled with excavated soil				
60									

DATE DRILLED: 03/30/21 TOTAL DEPTH: 31.5 Feet DEPTH TO WATER: NA  
 LOGGED BY: L. Jackson TYPE OF BIT: Hollow Stem Auger DIAMETER: 8 in.  
 SURFACE ELEVATION: Approximately 1855 ft. HAMMER WT.: 140 lbs. DROP: 30 in.

PROJECT NO. LP21010		PLATE B-1
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DEPTH	FIELD				LOG OF BORING No. B-2 SHEET 1 OF 1	LABORATORY		
	SAMPLE	USCS CLASS.	BLOW COUNT	POCKET PEN. (tsf)		DESCRIPTION OF MATERIAL	DRY DENSITY (pcf)	MOISTURE CONTENT (% dry wt.)
5			16		SILTY SAND (SM): Brown, damp to moist, medium to coarse grained, medium dense, some gravels and cobbles	112.0	6.1	Passing #200 = 22.2%
10			38		SAND (SP): Greyish brown, dry, medium to coarse grained, dense, some gravels	125.5	1.2	Passing #200 = 4.0%
15			50/5"		SAND (SP-SM): Brown, dry, medium to coarse grained, very dense, some gravels		2.5	Passing #200 = 5.5%
20			50/5"		Refusal @ 20.5 feet			
25								
30								
35								
40								
45								
50								
55								
60								

DATE DRILLED: 03/30/21      TOTAL DEPTH: 20.5 Feet      DEPTH TO WATER: NA  
 LOGGED BY: L. Jackson      TYPE OF BIT: Hollow Stem Auger      DIAMETER: 8 in.  
 SURFACE ELEVATION: Approximately 1835 ft.      HAMMER WT.: 140 lbs.      DROP: 30 in.

PROJECT NO. LP21010		PLATE B-2
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**DEFINITION OF TERMS**

PRIMARY DIVISIONS	SYMBOLS		SECONDARY DIVISIONS
Coarse grained soils More than half of material is larger than No. 200 sieve	<b>Gravels</b>	Clean gravels (less than 5% fines)	<b>GW</b> Well graded gravels, gravel-sand mixtures, little or no fines
		Gravel with fines	<b>GP</b> Poorly graded gravels, or gravel-sand mixtures, little or no fines
			<b>GM</b> Silty gravels, gravel-sand-silt mixtures, non-plastic fines
			<b>GC</b> Clayey gravels, gravel-sand-clay mixtures, plastic fines
	<b>Sands</b>	Clean sands (less than 5% fines)	<b>SW</b> Well graded sands, gravelly sands, little or no fines
		Sands with fines	<b>SP</b> Poorly graded sands or gravelly sands, little or no fines
			<b>SM</b> Silty sands, sand-silt mixtures, non-plastic fines
			<b>SC</b> Clayey sands, sand-clay mixtures, plastic fines
Fine grained soils More than half of material is smaller than No. 200 sieve	<b>Silts and clays</b>		<b>ML</b> Inorganic silts, clayey silts with slight plasticity
	Liquid limit is less than 50%		<b>CL</b> Inorganic clays of low to medium plasticity, gravelly, sandy, or lean clays
			<b>OL</b> Organic silts and organic clays of low plasticity
		<b>Silts and clays</b>	
	Liquid limit is more than 50%		<b>CH</b> Inorganic clays of high plasticity, fat clays
			<b>OH</b> Organic clays of medium to high plasticity, organic silts
Highly organic soils		<b>PT</b> Peat and other highly organic soils	

**GRAIN SIZES**

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		
	200	40	10	4	3/4"	3"	12"
	US Standard Series Sieve			Clear Square Openings			

Sands, Gravels, etc.	Blows/ft. *
Very Loose	0-4
Loose	4-10
Medium Dense	10-30
Dense	30-50
Very Dense	Over 50

Clays & Plastic Silts	Strength **	Blows/ft. *
Very Soft	0-0.25	0-2
Soft	0.25-0.5	2-4
Firm	0.5-1.0	4-8
Stiff	1.0-2.0	8-16
Very Stiff	2.0-4.0	16-32
Hard	Over 4.0	Over 32


\* Number of blows of 140 lb. hammer falling 30 inches to drive a 2 inch O.D. (1 3/8 in. I.D.) split spoon (ASTM D1586).

\*\* Unconfined compressive strength in tons/s.f. as determined by laboratory testing or approximated by the Standard Penetration Test (ASTM D1586), Pocket Penetrometer, Torvane, or visual observation.

**Type of Samples:**

- Ring Sample     
  Standard Penetration Test     
  Shelby Tube     
  Bulk (Bag) Sample

**Drilling Notes:**

- Sampling and Blow Counts  
 Ring Sampler - Number of blows per foot of a 140 lb. hammer falling 30 inches.  
 Standard Penetration Test - Number of blows per foot.  
 Shelby Tube - Three (3) inch nominal diameter tube hydraulically pushed.
- P. P. = Pocket Penetrometer (tons/s.f.).
- NR = No recovery.
- GWT  = Ground Water Table observed @ specified time.

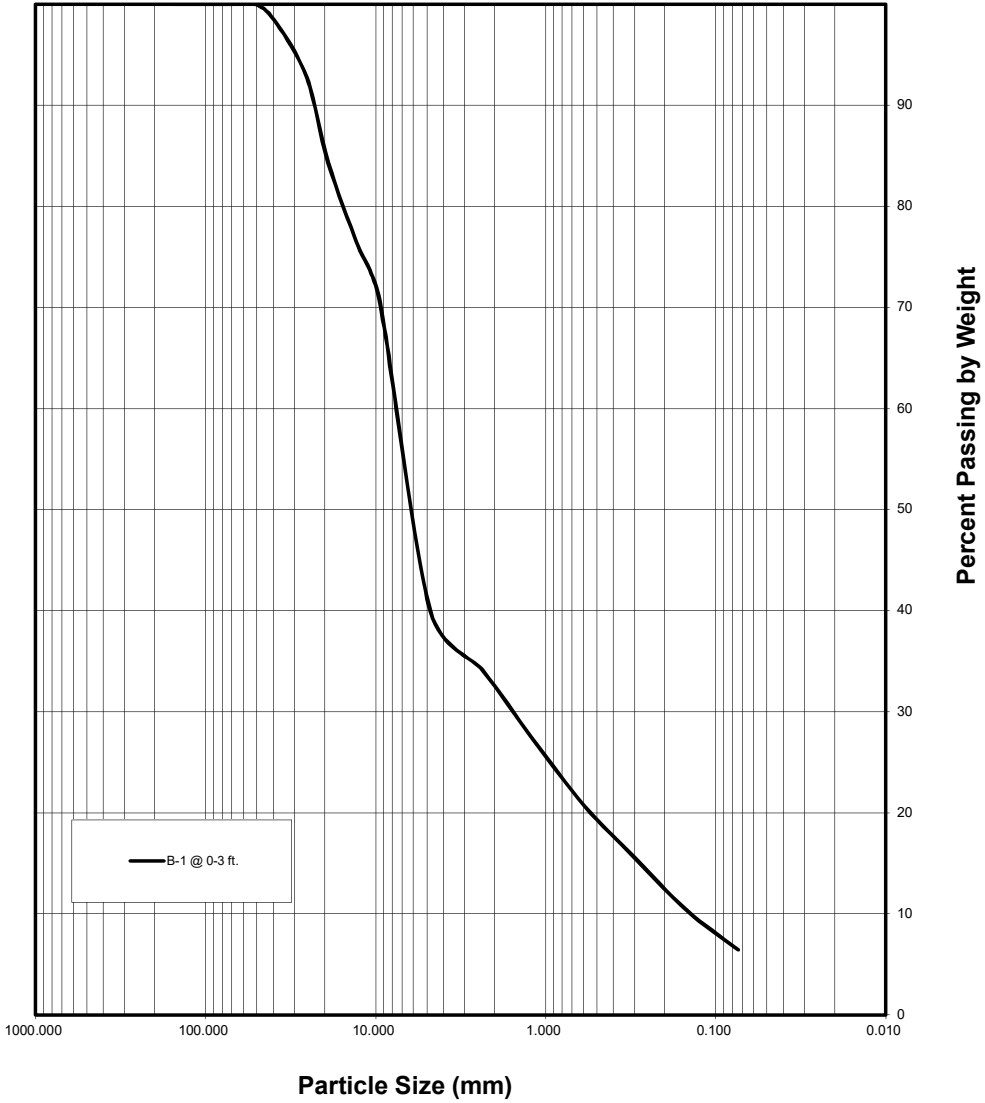
**LANDMARK**  
 Geo-Engineers and Geologists  
 Project No. **LP21010**

**Key to Logs**

**Plate  
B-3**

# APPENDIX C

SIEVE ANALYSIS						
Cobbles and Boulders	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	



Project No.: LP21010

Grain Size Analysis

Plate C-1

**LANDMARK CONSULTANTS, INC.**

**CLIENT:** Albert Webb Associates  
**PROJECT:** MVWD Transmission Main - Fontana, CA  
**JOB No.:** LP21010  
**DATE:** 04/15/21

**CHEMICAL ANALYSIS**

	<b>Boring:</b>	<b>B-1</b>	<b>Caltrans Method</b>
<b>Sample Depth, ft:</b>		0-3	
<b>pH:</b>		8.2	643
<b>Electrical Conductivity (mmhos):</b>		--	424
<b>Resistivity (ohm-cm):</b>		10,500	643
<b>Chloride (Cl), ppm:</b>		50	422
<b>Sulfate (SO4), ppm:</b>		10	417

General Guidelines for Soil Corrosivity

Material Affected	Chemical Agent	Amount in Soil (ppm)	Degree of Corrosivity
Concrete	Soluble Sulfates	0 - 1,000	Low
		1,000 - 2,000	Moderate
		2,000 - 20,000	Severe
		> 20,000	Very Severe
Normal Grade Steel	Soluble Chlorides	0 - 200	Low
		200 - 700	Moderate
		700 - 1,500	Severe
		> 1,500	Very Severe
Normal Grade Steel	Resistivity	1 - 1,000	Very Severe
		1,000 - 2,000	Severe
		2,000 - 10,000	Moderate
		> 10,000	Low



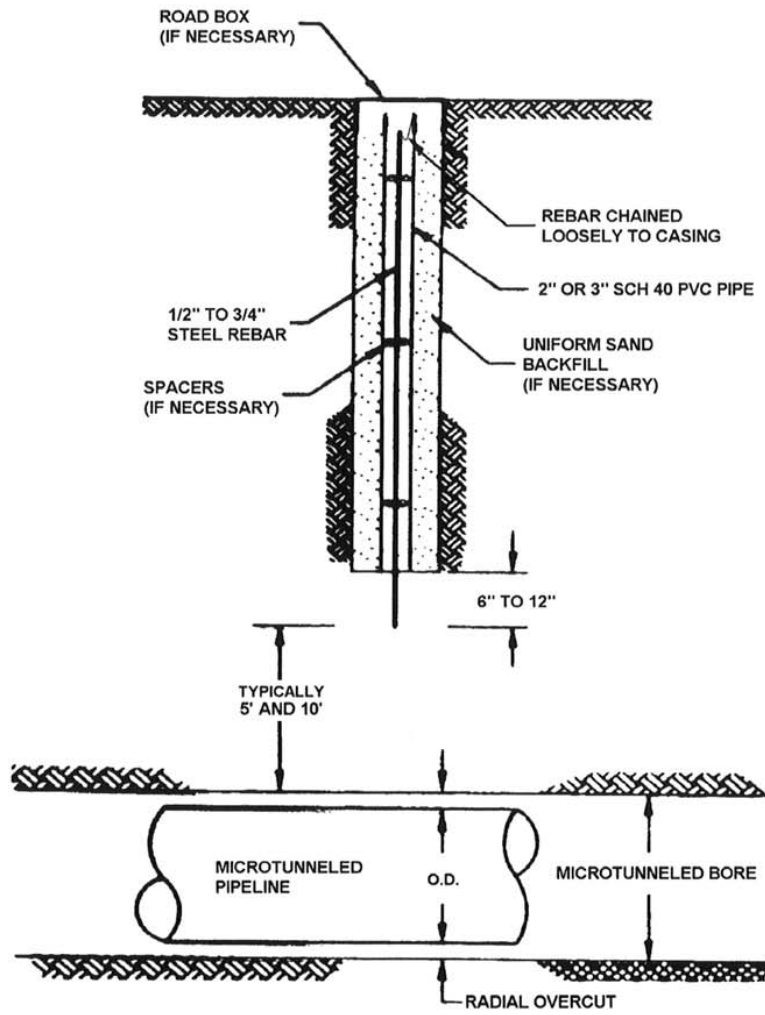
**Project No.: LP21010**

**Selected Chemical Test Results**

**Plate C-2**



# APPENDIX D



**SETTLEMENT MONITORING POINT DETAIL**

The materials needed are 1/2- to 3/4- inch diameter rebar and 2-inch diameter, Schedule 40, PVC pipe installed in a vertical borehole drilled to the desired depth of the settlement point. The casing should be covered with a cap to protect it from the weather and a road box can be used if the point is installed inside a traffic area. The casing is installed at 5 feet or 10 feet above the proposed tunnel crown, and the rebar is inserted into the casing and driven 6 inches to 12 inches below the bottom of the casing, into undisturbed soil. In this way, the response of the ground can be monitored very closely as the microtunneling or tunneling machine passes beneath the point.

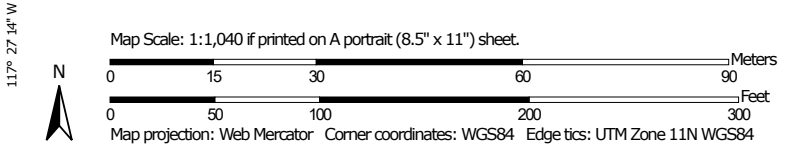
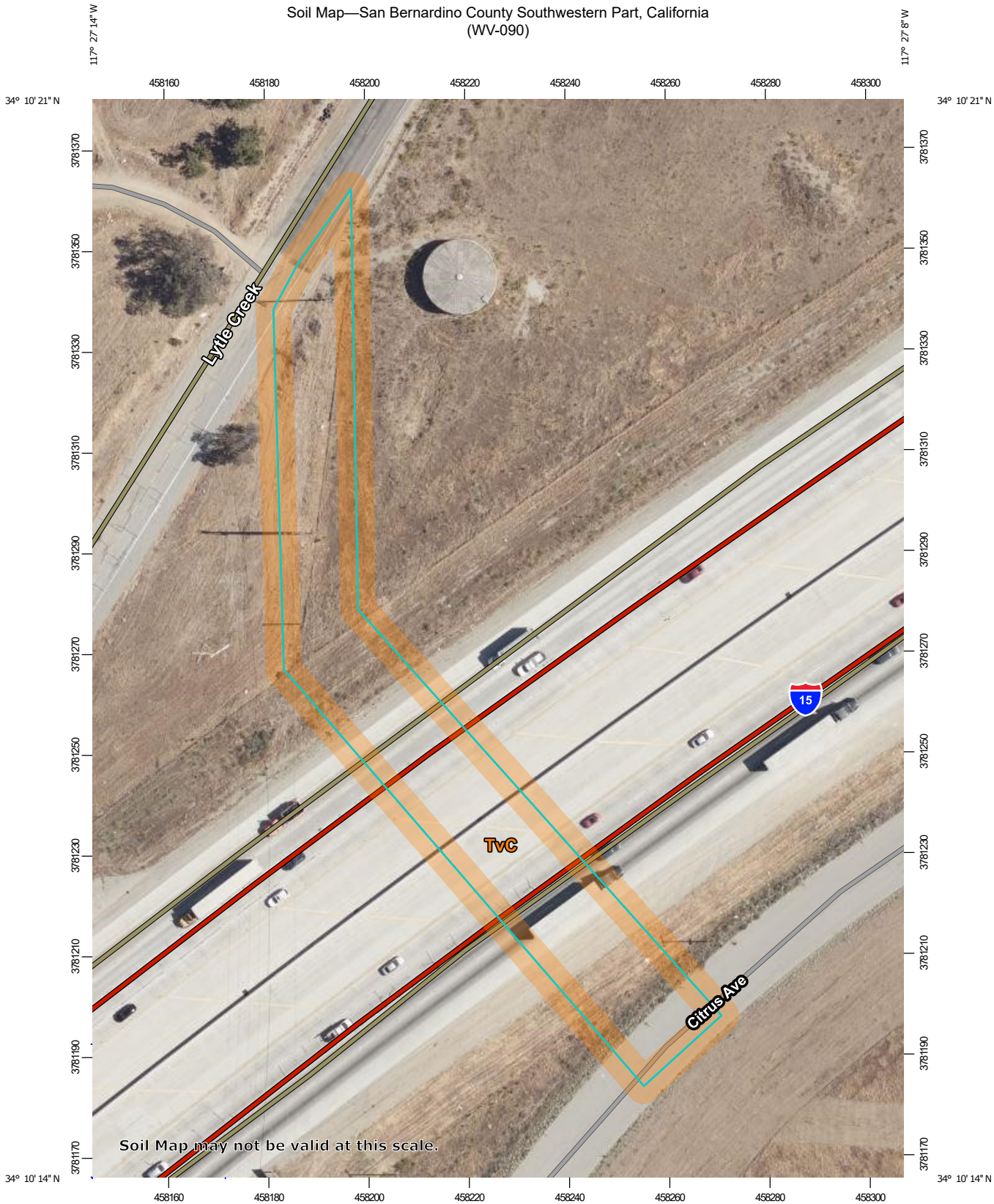
**LANDMARK**  
Geo-Engineers and Geologists  
Project No.: LP21010

Settlement Monitoring Point Detail

Plate  
D-1

**APPENDIX 4b**

Soil Map—San Bernardino County Southwestern Part, California  
(WV-090)



**MAP LEGEND**

- Area of Interest (AOI)
- Area of Interest (AOI)
- Soils**
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points
- Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features
- Water Features**
- Streams and Canals
- Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads
- Aerial Photography

**MAP INFORMATION**

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County Southwestern Part, California

Survey Area Data: Version 12, May 27, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 1, 2018—Jun 30, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TvC	Tujunga gravelly loamy sand, 0 to 9 percent slopes	0.8	100.0%
<b>Totals for Area of Interest</b>		<b>0.8</b>	<b>100.0%</b>



# EXHIBIT B

# WEST VALLEY WATER DISTRICT NOTICE OF DETERMINATION

**To: Office of Planning & Research**  
State Clearinghouse  
1400 Tenth Street  
Sacramento, CA 95814

**From:** West Valley Water District  
855 W Baseline Road  
Rialto, CA 92376

and

San Bernardino County  
**Clerk of the Board of Supervisors**  
385 N. Arrowhead Avenue, 2<sup>nd</sup> Floor  
San Bernardino, CA 92415

Subject: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

18-inch Transmission Main Installation Project  
**Project Title**

<u>2022070521</u>	<u>Ms. Rosa M. Gutierrez</u>	<u>(909) 644-0592</u>	<u>rgutierrez@wvwd.org</u>
<b>State Clearinghouse Number</b>	<b>Lead Agency Contact Person</b>	<b>Telephone Number</b>	<b>Email Address</b>

**Project Location**

The project will occur within the northern portion of the West Valley Water District (WVWD or District) within an easement between Lytle Creek Road to the north and Citrus Avenue to the south traversing under the Interstate-15 (I-15) Freeway within Unincorporated San Bernardino County and the City of Fontana. The project is located within the USGS Topo 7.5-minute map for Devore, CA, and is located in Section 18, Township 1 North and Range 5 West. The approximate GPS coordinates of the project area are 34.171502°, -117.453627°.

**Project Description**

The District's service area includes Pressure Zone 7, which is north of Pressure Zone 6 in WVWD's North System. Storage in this area is provided by District Reservoirs (R7-1, R7-2, R7-3, and R7-4) located on Lytle Creek Road. There is currently no source of supply within Pressure Zone 7, as water is boosted from the Lower Pressure Zones (4, 5, and 6) to serve that area. As such, the District is proposing a new 650 LF 18-inch transmission main to facilitate supply to accommodate the increase in development that is projected to occur in Pressure Zone 7.

WVWD proposes to install approximately 650 linear feet (LF) of 18-inch transmission main within Pressure Zone 7. The proposed transmission main will connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario I-15 freeway and terminate at Citrus Avenue in an unimproved area. Approximately 250 LF of 18-inch diameter pipe will be trenched in the unimproved area. The proposed pits for the jack and bore will be approximately 40 feet in length and 20 feet in width and will be located outside the Caltrans right-of-way. The pipeline that will traverse under the I-15 includes trenchless installation of approximately 325 LF of 18-inch diameter carrier pipe in a 30-inch diameter casing under the I-15 Freeway to connect to segments at either side of the freeway. The segments of pipeline will be installed mostly within undisturbed areas between Lytle Creek Road and Citrus Avenue.

This is to advise that the West Valley Water District has approved the above described project on  Lead Agency  Responsible Agency

\_\_\_\_\_ and has made the following determination regarding the above described project:  
(Date)



**Notice of Determination, page 2 of 2**

- 1. The project [ will  will not] have a significant effect on the environment.
- 2.  An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.  
 A Mitigated Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
- 3. Mitigation measures [ were  were not] made a condition of the approval of the project and a Mitigation Monitoring and Reporting Plan was adopted.
- 4. A Statement of Overriding Considerations [ was  was not] adopted for this project.
- 5. Findings [ were  were not] made pursuant to the provisions of CEQA.

This is to certify that the Mitigated Negative Declaration/Initial Study and record of project approval is available to the general public at:

West Valley Water District, 855 W Baseline Road, Rialto, CA 92376

*Signature*

*Title*

*Date*

**WEST VALLEY WATER DISTRICT  
MITIGATED NEGATIVE DECLARATION**

**Lead Agency:** West Valley Water District  
855 W Baseline Road  
Rialto, CA 92376  
**Contact:** Rosa M. Gutierrez  
**Phone:** (909) 644-0592  
**Email:** rgutierrez@wvwd.org

**Project Title:** 18-inch Transmission Main Installation Project

**State Clearinghouse Number:** 2022070521

**Project Location:** The project will occur within the northern portion of the West Valley Water District (WVWD or District) within an easement between Lytle Creek Road to the north and Citrus Avenue to the south traversing under the Interstate-15 (I-15) Freeway within Unincorporated San Bernardino County and the City of Fontana. The project is located within the USGS Topo 7.5-minute map for Devore, CA, and is located in Section 18, Township 1 North and Range 5 West. The approximate GPS coordinates of the project area are 34.171502°, -117.453627°.

**Project Description:** The District’s service area includes Pressure Zone 7, which is north of Pressure Zone 6 in WVWD’s North System. Storage in this area is provided by District Reservoirs (R7-1, R7-2, R7-3, and R7-4) located on Lytle Creek Road. There is currently no source of supply within Pressure Zone 7, as water is boosted from the Lower Pressure Zones (4, 5, and 6) to serve that area. As such, the District is proposing a new 650 LF 18-inch transmission main to facilitate supply to accommodate the increase in development that is projected to occur in Pressure Zone 7.

WVWD proposes to install approximately 650 linear feet (LF) of 18-inch transmission main within Pressure Zone 7. The proposed transmission main will connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario I-15 freeway and terminate at Citrus Avenue in an unimproved area. Approximately 250 LF of 18-inch diameter pipe will be trenched in the unimproved area. The proposed pits for the jack and bore will be approximately 40 feet in length and 20 feet in width and will be located outside the Caltrans right-of-way. The pipeline that will traverse under the I-15 includes trenchless installation of approximately 325 LF of 18-inch diameter carrier pipe in a 30-inch diameter casing under the I-15 Freeway to connect to segments at either side of the freeway. The segments of pipeline will be installed mostly within undisturbed areas between Lytle Creek Road and Citrus Avenue.

**Finding:** West Valley Water District’s decision to implement this proposed project is a discretionary decision or “project” that requires evaluation under the California Environmental Quality Act (CEQA). Based on the information in the project Initial Study, the District has made a *preliminary* determination that a Mitigated Negative Declaration will be the appropriate environmental determination for this project to comply with CEQA.

**Initial Study:** Copies of the Initial Study can be reviewed at the District’s office at 855 W Baseline Rd, Rialto, CA 92376. The Initial Study can also be found at the District’s Website: www.wvwd.org. The public review period for the Initial Study began on August 1, 2022 and ended on August 30, 2022.

**Mitigation Measures:** All mitigation measures identified in the Initial Study are summarized on beginning on Page 73 of the Initial Study and are proposed for adoption as conditions of the project. These measures will be implemented through a mitigation monitoring and reporting program if the Mitigated Negative Declaration is adopted.

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*Signature* *Title* *Date*

# EXHIBIT C

**RESOLUTION NO. 2022-26**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE WEST VALLEY WATER DISTRICT  
ADOPTING A MITIGATED NEGATIVE DECLARATION ON DISTRICT  
PROJECT KNOWN AS THE 18-INCH TRANSMISSION MAIN INSTALLATION  
PROJECT**

**WHEREAS**, West Valley Water District (“District”) is proposing to install approximately 650 linear feet (LF) of 18-inch transmission main within Pressure Zone 7. The proposed transmission main will connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario I-15 freeway and terminate at Citrus Avenue in an unimproved area. Approximately 250 LF of 18-inch diameter pipe will be trenched in the unimproved area. The proposed pits for the jack and bore will be approximately 40 feet in length and 20 feet in width and will be located outside the Caltrans right-of-way. The pipeline that will traverse under the I-15 includes trenchless installation of approximately 325 LF of 18-inch diameter carrier pipe in a 30-inch diameter casing under the I-15 Freeway to connect to segments at either side of the freeway. The segments of pipeline will be installed mostly within undisturbed areas between Lytle Creek Road and Citrus Avenue; and

**WHEREAS**, District staff has determined that approval of the Project is subject to the environmental review requirements of the California Environmental Quality Act (“CEQA”) and as the lead agency, the District required the preparation of an initial study (the “Initial Study”), which Initial Study has been presented to the Board of Directors of the District (“Board”), to analyze all potential environmental impacts of the Project; and

**WHEREAS**, on the basis of the Initial Study, which indicated that the Project will not have a significant impact upon the environment, District staff determined that a mitigated negative declaration (“Mitigated Negative Declaration”) should be prepared, which proposed Mitigated Negative Declaration has been presented to the Board; and

**WHEREAS**, the proposed Mitigated Negative Declaration was made available to the public and to all interested agencies for review and comment.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of the West Valley Water District as follows:

1. As the decision-making body for the Project, the Board has reviewed and considered the information contained in the Mitigated Negative Declaration and Initial Study (collectively, “Documents”). The Board finds that the Mitigated Negative Declaration and Initial Study contain a complete and accurate reporting of the environmental impacts associated with the Project. The Board further finds that the Documents have been completed in compliance with CEQA and State CEQA Guidelines, and all other applicable rules and regulations.

2. The proposed Mitigated Negative Declaration and Initial Study prepared for the Project reflect the independent judgment of the District.
3. As the decision-making body for the Project, the Board reviewed and independently considered the information contained in the Documents prior to approving the Project.
4. The Board has also reviewed and independently considered the proposed Mitigation Monitoring Program, which has been presented to the Board to implement the recommended mitigation measures.
5. The Project will not result in a significant impact upon the environment.
6. The Board hereby adopts the Mitigated Negative Declaration and Mitigation Monitoring Program for the Project. The Board directs staff to sign the Notice of Determination and Mitigated Negative Declaration and file the Notice of Determination with the County of San Bernardino within five (5) working days of the Project approval.
7. The custodian of records for the Project is the West Valley Water District, General Manager who is located at 855 West Base Line, Rialto, California, 92377.

ADOPTED this 6<sup>th</sup> day of October, 2022.

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Channing Hawkins  
Board President

ATTEST:

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Nancy Albitre,  
Acting Board Secretary

# EXHIBIT D

# San Bernardino County Sun

473 E. Carnegie Dr, Ste 200  
San Bernardino, CA 92408  
909-889-9666  
Fax 909-884-2536  
sbsunlegals@inlandnewspapers.com

5284535

WEST VALLEY WATER DISTRICT  
P.O. BOX 920  
RIALTO, CA 92377

Legal No. **0011561339**

### NOTICE OF PUBLIC MEETING TO APPROVE THE INITIAL STUDY/MITIGATED NEGATIVE DECLARATION FOR THE 18-INCH TRANSMISSION MAIN INSTALLATION PROJECT

## PROOF OF PUBLICATION (2015.5 C.C.P.)

### STATE OF CALIFORNIA County of San Bernardino

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer and publisher of the SAN BERNARDINO COUNTY SUN, a newspaper published in the English language in the city of SAN BERNARDINO, county of SAN BERNARDINO, and adjudged a newspaper of general circulation as defined by the laws of the State of California by the Superior Court of the County of SAN BERNARDINO, State of California, under date 06/20/1952, Case No. 73084. The notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

**09/22/2022**

I certify (or declare) under the penalty of perjury that the foregoing is true and correct.

Executed in San Bernardino County, California  
this 22th day of September, 2022.



Signature

NOTICE IS HEREBY GIVEN that on **Thursday, October 6, 2022 at 6:30 p.m.**, in the meeting room of the Board of Directors of the West Valley Water District, located at 855 W. Baseline Rd., Rialto, CA 92376, the Board of Directors will conduct a public hearing in accordance with the California Environmental Quality Act, Section 15202 of the Public Resources Code to consider and receive comments and input on the initial study/mitigated negative declaration (IS/MND) for the proposed project. The hearing will allow the community to provide input.

The West Valley Water District proposes to construct an 18-inch Transmission Main Crossing Ontario Interstate 15 Freeway from Citrus Avenue to Lytle Creek Road Project. The 18-inch diameter transmission main is required for increased development that is projected to occur in Pressure Zone 7.

The purpose of the hearing is to (1) approve the Initial Study, Notice of Determination and Mitigated Negative Declaration; and (2) adopt the Resolution No. 2022-26 for the 18-inch Transmission Main Installation Project. The project includes installation of approximately 650 linear feet, connect to an existing 18-inch transmission main at Lytle Creek Road and bore under the Ontario I-15 freeway and terminate at Citrus Avenue in an unimproved area. (State Clearinghouse No. 2022070521)

The 18-inch Transmission Main Installation Project has been prepared and is available for viewing on the District's website at [www.wvwd.org](http://www.wvwd.org).

Any interested person desiring to make written protest or comment with respect to the 18-inch Transmission Main Installation Project shall do so by written communication filed with the Board Secretary, West Valley Water District, 855 West Baseline Road, Post Office Box 920, Rialto, California, 92377 no later than the hour set for the meeting.

Any questions concerning this matter should be referred to Linda Jadeski, Director of Engineering, Operation & Planning, at (909) 820-3713 or at [ljadeski@wvwd.org](mailto:ljadeski@wvwd.org) or Rosa M. Gutierrez, Senior Engineer at (909) 875-1804 ext. 327 or at [rgutierrez@wvwd.org](mailto:rgutierrez@wvwd.org).

Nancy Albitre  
Acting Board Secretary  
West Valley Water District  
(909) 875-1804 x 346

Published September 22, 2022  
SB SUN #11561339