



TO PARTICIPATE IN THE MEETING VIA VIDEO OR TELECONFERENCE, GO TO <https://rainbowmwd.zoom.us/j/84694737361> OR CALL 1-669-900-6833 or 1-669-444-9171 or 1-309-205-3325 or 1-312-626-6799 or 1-564-217-2000 or 1-689-278-1000 (WEBINAR/MEETING ID: 846 9473 7361).

MEMBERS OF THE PUBLIC WISHING TO SUBMIT WRITTEN COMMENT TO THE COMMITTEE UNDER PUBLIC COMMENT OR ON A SPECIFIC AGENDA ITEM MAY SUBMIT COMMENTS TO OUR BOARD SECRETARY BY EMAIL AT [DWASHBURN@RAINBOWMWD.COM](mailto:DWASHBURN@RAINBOWMWD.COM) OR BY MAIL TO 3707 OLD HIGHWAY 395, FALLBROOK, CA 92028. ALL WRITTEN COMMENTS RECEIVED **AT LEAST ONE HOUR IN ADVANCE OF THE MEETING** WILL BE READ TO THE COMMITTEE DURING THE APPROPRIATE PORTION OF THE MEETING. THESE PUBLIC COMMENT PROCEDURES SUPERSEDE THE DISTRICT'S STANDARD PUBLIC COMMENT POLICIES AND PROCEDURES TO THE CONTRARY.

**ENGINEERING AND OPERATIONS COMMITTEE MEETING**

**RAINBOW MUNICIPAL WATER DISTRICT**  
**Wednesday, November 1, 2023**  
**Engineering and Operations Committee Meeting - Time: 3:30 p.m.**

---

<b>District Office</b>	<b>3707 Old Highway 395</b>	<b>Fallbrook, CA 92028</b>
------------------------	-----------------------------	----------------------------

---

Notice is hereby given that the Engineering and Operations Committee will be holding a regular meeting beginning at 3:30 p.m. on Wednesday, November 1, 2023.

---

**AGENDA**

- 1. CALL TO ORDER**
- 2. PLEDGE OF ALLEGIANCE**
- 3. ROLL CALL: Flint Nelson (Chair) \_\_\_\_\_ Steve McKesson \_\_\_\_\_ (Vice Chair)**  
**Members:** Helene Brazier \_\_\_\_\_ Robert Marnett \_\_\_\_\_ Mig Gasca \_\_\_\_\_  
**Alternates:** Tracy Largent \_\_\_\_\_
- 4. INSTRUCTIONS TO ALLOW PUBLIC COMMENT ON AGENDA ITEMS FROM THOSE ATTENDING THIS MEETING VIA TELECONFERENCE OR VIDEO CONFERENCE**

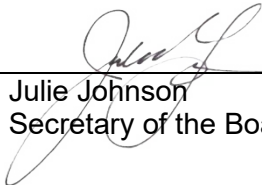
**CHAIR TO READ ALOUD** - "If at any point, anyone would like to ask a question or make a comment and have joined this meeting with their computer, they can click on the "Raise Hand" button located at the bottom of the screen. We will be alerted that they would like to speak. When called upon, please unmute the microphone and ask the question or make comments in no more than three minutes.

Those who have joined by dialing a number on their telephone, will need to press \*6 to unmute themselves and then \*9 to alert us that they would like to speak.

A slight pause will also be offered at the conclusion of each agenda item discussion to allow public members an opportunity to make comments or ask questions."

5. SEATING OF ALTERNATES
6. ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)
7. PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA (Limit 3 Minutes)
- \*8. APPROVAL OF MINUTES
  - A. September 6, 2023
9. GENERAL MANAGER COMMENTS
10. ENGINEERING AND CIP PROGRAM MANAGER COMMENTS
11. OPERATIONS MANAGER COMMENTS
12. COMMITTEE MEMBER COMMENTS
13. BOARD ACTION UPDATES
- \*14. CONSIDER APPROVAL OF CHANGE ORDER #2 WITH VALLEY C.M. FOR CONSTRUCTION MANAGEMENT & INSPECTION SERVICES FOR THE LIFT STATION-1 PROJECT IN THE AMOUNT OF \$216,413 (DIVISIONS 1 & 2) (ENGINEERING)
- \*15. CONSIDER AWARD OF A CONSTRUCTION CONTRACT IN THE AMOUNT OF \$X WITH X FOR THE WEST LILAC, RANCHO AMIGOS, AND DENTRO DE LOMAS PUMP STATIONS PROJECT (DIVISION 1) (ENGINEERING)
16. PIPELINE REHABILITATION AND REPLACEMENT PLANNING UPDATES (CHAIR NELSON)
- \*17. AS-NEEDED SERVICES EXPENDITURES SUMMARY
18. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED ENGINEERING AND OPERATIONS COMMITTEE MEETING
19. ADJOURNMENT

**ATTEST TO POSTING:**

  
\_\_\_\_\_  
Julie Johnson  
Secretary of the Board

10-26-23 @ 8:20 a.m.  
\_\_\_\_\_  
Date and Time of Posting  
Outside Display Cases

**MINUTES OF THE ENGINEERING AND OPERATIONS COMMITTEE MEETING  
OF THE RAINBOW MUNICIPAL WATER DISTRICT  
SEPTEMBER 6, 2023**

1. **CALL TO ORDER** – The Engineering and Operations Committee Meeting of the Rainbow Municipal Water District on September 26, 2023, was called to order by Chairperson Nelson at 3:32 p.m. in the Board Room of the District, 3707 Old Highway 395, Fallbrook, CA 92028. Chairperson Nelson, presiding.

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL:**

**Present:** Member Gasca, Member Marnett, Member McKesson, Member Nelson.

**Also Present:** General Manager Kennedy, Executive Assistant Washburn, Information Technology Manager Khattab, Engineering and CIP Program Manager Williams.

**Absent:** Member Brazier.

**Also Present Via Teleconference or Video Conference:**

Alternate Largent, Operations Manager Gutierrez, Senior Project Manager Tamimi, Administrative Analyst Rubio, Administrative Analyst Barrow.

One member of the public was present in person, via teleconference or video conference.

4. **INSTRUCTIONS TO ALLOW PUBLIC COMMENT ON AGENDA ITEMS FROM THOSE ATTENDING THIS MEETING VIA TELECONFERENCE OR VIDEO CONFERENCE**

There were no members of the public in attendance via teleconference or video conference; therefore, the instructions were not read aloud.

5. **SEATING OF ALTERNATES**

There were no alternates seated.

6. **ADDITIONS/DELETIONS/AMENDMENTS TO THE AGENDA (Government Code §54954.2)**

Mr. Williams noted Item #16 was not for a Notice of Completion, but rather an Acceptance of Infrastructure instead.

Discussion returned from Item #11.

Mr. Nelson acknowledged Mr. Gasca needs to leave at approximately 4:30 p.m.; thus, he would like to suggest Items #15 and #16 could be addressed prior to Item #14. There were no objections.

Discussion went to Item #15.

**7. PUBLIC COMMENT RELATING TO ITEMS NOT ON THE AGENDA (Limit 3 Minutes)**

There were no comments.

**\*8. APPROVAL OF MINUTES**

**A. August 2, 2023**

**Motion:**

**To accept the minutes.**

**Action: Approve, Moved by Member McKesson, Seconded by Member Gasca.**

**Vote: Motion carried by unanimous vote (summary: Ayes = 4).**

**Ayes: Member Gasca, Member Marnett, Member McKesson, Member Nelson.**

**Absent: Member Brazier.**

**9. GENERAL MANAGER COMMENTS**

Mr. Kennedy announced this would be his last Engineering and Operations Committee meeting as RMWD’s General Manager due to his upcoming retirement. He expressed appreciation to all the committee members for all they have given.

Mr. Kennedy referenced the SDCWA lawsuit documents with which RMWD was recently served. He noted at the August Board meeting, the Board authorized RMWD’s general counsel to prepare some counter litigation against SDCWA which is intended to help encourage SDCWA that this was a path RMWD would prefer not to take.

Mr. Kennedy reported AB399 was just passed by the Senate, but it took three rounds of votes to reach this decision. He explained this matter will now go to the Assembly Local Government Committee at which time another attempt will be made to block it. He pointed out when AB399 came out of the Senate Appropriations Committee, the urgency clause was dropped which in turn means, this bill will not take effect until after the November election. Discussion followed.

Mr. Nelson inquired as to who, other than Legal Counsel, had read the documents RMWD was served related to the SDCWA lawsuit. Mr. Kennedy and Mr. Gasca stated they both had read the first 58 pages noting this was new information and the remaining pages contained backup documentation which had been reviewed previously when initially circulated.

Mr. Nelson asked whether Alchemy Consulting Group was assisting RMWD in the legislature. Mr. Kennedy stated Mr. Brown was assisting RMWD with facilitating the application process, not in the state legislature. Discussion ensued.

Mr. Nelson to Mr. Kennedy that he appreciates his service and the things he has done.

***DRAFT***

***DRAFT***

***DRAFT***

Mr. Marnett inquired as to pending new general manager's background. Mr. Kennedy stated he is a licensed civil engineer who served as the assistant general manager of engineering and operations at Rancho California Water District. Mr. Gasca added there was an ad-hoc committee formed to work through the numerous applications received in response to the job announcement. Mr. Kennedy recognized Mr. Gutierrez and Ms. Largent as excellent internal candidates for this position although neither were selected.

**10. ENGINEERING AND CIP PROGRAM MANAGER COMMENTS**

Mr. Williams reported staff has been working diligently over the past 1½-2 years on the Rancho Amigos, West Lilac and Dentro de Lomas pump station project and how the bid opening will take place on October 5, 2023, following which the Board will consider awarding the contract in October.

**11. OPERATIONS MANAGER COMMENTS**

Mr. Gutierrez reported 244 of the 540 on the original meter exchange list have been completed. He noted the warranty repairs on North River Road are expected to be scheduled next week as well as provided details related to the fires and main line break that took place on August 11, 2023, as well as the tropical storm activity anticipated in late August and how the emergency response community took precautionary actions.

Mr. Gasca inquired as to whether there was a means of providing RMWD Board and committee members with a list of worksites and projects within each of the divisions so that they would be able to better communicate with the members of the public. Mr. Gutierrez explained crews put out schedules on Sundays for the upcoming week if this would suffice. Mr. Gasca agreed a weekly basis would be great.

Discussion returned to Item #6.

**12. COMMITTEE MEMBER COMMENTS**

Mr. Marnett stated considering the new transmitters and antennas being installed at the Hutton Tank, he wanted to be sure RMWD was requiring the builder to measure the RF at this home as well as his neighbor's home once Dish completes the installation. he wanted to be sure RMWD requires the builder to measure the RF at his home as well as his neighbor's house once Dish completes the installation of the cell towers. Mr. Gutierrez stated he has just emailed Mr. Marnett all the paperwork related to the project for his review. Mr. Marnett stated he wanted to make this requirement more official. Mr. Kennedy pointed out caution would need to be exercised due to the location being within 500' of his home that RMWD's Administrative Code does not allow Mr. Marnett to weigh in on this due to potential conflicts of interest. Mr. Marnett stated he will be measuring the RF himself anyways.

Mr. Nelson asked whether the corrections to be made to the North River Road warranty work is related to the lining RMWD conducted or the manhole project. Mr. Gutierrez confirmed it was the lining noting what had occurred and what still needs to take place. Discussion followed.

Discussion went to Item #13.

**13. BOARD ACTION UPDATES**

Mr. Williams noted the Board approved all three engineering action items. Discussions followed.

Discussion went to Item #14.

**14. PRESENTATION ON DISSEMINATING INFORMATION ABOUT MICROPLASTICS AND NEW DPR REGULATIONS (ENGINEERING/OPERATIONS/GENERAL MANAGER)**

Mr. Kennedy introduced Brent Alspach, Vice President and Director of Applied Research for Arcadis, noting Mr. Alspach performs some of the higher-level research in the engineering field related to existing and new technologies. He said he invited Mr. Alspach to speak to the committee on this topic.

Mr. Alspach stated because the Direct Potable Reuse (DPR) regulations were currently in draft format, he will spend more time speaking about microplastics. He proceeded with his presentation titled “WRF 5155: Developing Strategic Consumer Messaging for Microplastics in Drinking Water”.

Mr. Nelson inquired as to whether the recent concerns related to microplastics were more about whether they are harmful. Discussion ensued.

***Member Gasca excused himself from the meeting at 4:30 p.m.***

Mr. Alspach continued with the presentation, noting RMWD will receive a report with all the information soon.

Discussions ensued.

Mr. Marnett inquired as to whether there was a clearinghouse where more information could be found related to microplastics. Mr. Asphalt offered to send a link to Mr. Kennedy to share with the committee members.

Mr. Nelson asked if there were any other things in the water like microplastics where we know it is there but have no idea whether they are harmful or not that has been the subject of the media. Mr. Alspach stated not to his knowledge. Discussion followed.

Discussion went to Item #17.

**\*15. NOTICE OF COMPLETION OF INFRASTRUCTURE FOR RMWD WATER QUALITY IMPROVEMENT PROJECT – WATER AND MAIN SERVICE LOCATIONS (DIVISION 5) (ENGINEERING)**

Mr. Williams reported this project was 100% complete; thus, the staff was seeking a recommendation from the committee that the Board accept the Water Quality Improvement Project.

***Motion:***

***That the Board accept staff’s recommendation Option 1 - Accept the Rainbow Water Quality Improvement Project – Water Mains and Service Relocation improvements as complete and as shown on the approved plans, approve Filing the Notice of Completion, add installation costs of \$998,141.39 to the District’s valuation, and make a finding that the action herein does not constitute a “project” as defined by CEQA.***

***Action: Approve, Moved by Member Nelson, Seconded by Member McKesson.***

**Vote: Motion carried by unanimous vote (summary: Ayes = 4).**

**Ayes: Member Gasca, Member Marnett, Member McKesson, Member Nelson.**

**Absent: Member Brazier.**

Discussion went to Item #16.

**\*16. ACCEPTANCE OF INFRASTRUCTURE FOR RICE CANYON TRANSMISSION MAIN PROJECT (DIVISIONS 4 AND 5) (ENGINEERING)**

*(The title for this item was revised as noted in Item #6.)*

Mr. Williams reported this project was complete, noting there was a pressure reducing station installed at the bottom to assist with breaking the pressure buildup. He noted this project was not typical with some unusual challenges to be worked through. He noted the one-year warranty was advanced when RMWD signed the Notice of Substantial Completion as noted in the draft Board memo provided.

Mr. Kennedy pointed out this was an important pipeline in that it now provides RMWD with the ability to move water from Connection 10 as well as improve Rice Canyon Tank’s water quality.

Discussion ensued regarding the payment of installation costs totaling approximately \$5.5M

**Motion:**

***That the Board accept staff’s recommendation Option 1 - Accept the Rice Canyon Transmission Main improvements as complete and as shown on the approved plans, add installation costs of \$5,582,373.24 to the District’s valuation, and make a finding that the action herein does not constitute a “project” as defined by CEQA.***

**Action: Approve, Moved by Member McKesson, Seconded by Member Marnett.**

**Vote: Motion carried by unanimous vote (summary: Ayes = 4).**

**Ayes: Member Gasca, Member Marnett, Member McKesson, Member Nelson.**

**Absent: Member Brazier.**

Discussion went to Item #12.

**\*17. AS-NEEDED SERVICES EXPENDITURES SUMMARY**

Mr. Williams confirmed there were five items added to the list. Discussion followed.

Discussion went to Item #18.

**18. LIST OF SUGGESTED AGENDA ITEMS FOR THE NEXT SCHEDULED ENGINEERING AND OPERATIONS COMMITTEE MEETING**

It was noted engineering will provide a list of topics for the October agenda.

***DRAFT***

***DRAFT***

***DRAFT***

Discussion went to Item #19.

**19. ADJOURNMENT**

***The meeting was adjourned by Chairperson Nelson.***

The meeting adjourned at 5:09 p.m.

---

**Flint Nelson, Committee Chairperson**

---

**Dawn M. Washburn, Board Secretary**



## BOARD OF DIRECTORS

December 5, 2023

---

### SUBJECT

---

CONSIDER APPROVAL OF CHANGE ORDER #2 WITH VALLEY C.M. FOR CONSTRUCTION MANAGEMENT & INSPECTION SERVICES FOR THE LIFT STATION-1 PROJECT IN THE AMOUNT OF \$216,413 (DIVISIONS 1 & 2)

### BACKGROUND

---

At the Board of Directors meeting on April 28, 2020, the District entered into an Agreement for Out-of-Agency Service with Valley Center Municipal Water District and an Annexation Agreement with Pardee Homes to provide water and wastewater service to the Citro Development (formerly known as Meadowood), which includes construction of approximately 844 homes. An analysis of the District's existing wastewater conveyance system prepared by Dexter Wilson Engineering, Inc. projected the need for the following projects located in Divisions 1 and 2 in order to serve the Citro Development:

- (1) Thoroughbred Lift Station and appurtenant pipeline modifications
- (2) Force main from Thoroughbred Lift Station to Old River Road
- (3) Upsize of existing sewer line along Highway 76
- (4) Gravity Main to proposed Thoroughbred Lift Station from Olive Hill Road

Designs for the Lift Station-1 (LS-1) project were completed at the end of Summer 2021 and the project was awarded to JW Fowler following a public bidding process in October of 2021. Due to the District's workload and project's needs, a full-time consulting construction manager and inspector were needed to ensure that the project was constructed per the plans and specifications, facilitate communication between the contractor and third parties, and prepare and maintain construction documentation. The District hired Valley Construction Management (Valley C.M.) to provide full-time construction management and inspection services in October of 2021 with a contract amount of \$1,423,717.

### DESCRIPTION

---

Due to supply chain disruptions, there have been significant delays in obtaining materials for the LS-1 project. As a result, the project construction completion was extended. The original project schedule went from 369 to 538 working days with an anticipated completion date of March 4, 2024. Furthermore, JW Fowler added two (2) working shifts for the force main installation near Old River Road due to work limitations imposed by San Diego County. This additional shift was not anticipated nor budgeted in the original project scope of services. The District also requested supplemental geotechnical work based on JW Fowler's contention of changed subsurface conditions. The geotechnical work was unanticipated, and done in good faith by the District to continue progress on the overall project. To date, there has been one (1) no-cost change order to Valley C.M. to extend the contract date. A breakdown of proposed Change Order #2 is presented below.

1. Construction Management-\$30,895
2. Construction Inspection-\$132,518
3. Geotech/Material Testing-\$53,413

The proposed change order amount is \$216,413 to complete construction management, inspections, and geotechnical work for the project. Furthermore, a time extension for the contract through March 29, 2024 is needed.

**POLICY/STRATEGIC PLAN KEY FOCUS AREA**

---

Strategic Focus Area Two: Asset Management. The increases in sewer flows expected with the addition of the Citro Development make it necessary to install several key sewer facilities to safely and reliably convey wastewater to the Oceanside outfall.

**ENVIRONMENTAL**

---

In accordance with the California Environmental Quality Act (CEQA) guidelines Section 15378, the action before the Board does not constitute a “project” as defined by CEQA for approving an amendment to an existing professional services agreement for construction management and inspection services. An Initial Study/Mitigated Negative Declaration was previously adopted for this construction project and filed with the County and State.

**BOARD OPTIONS/FISCAL IMPACTS**

---

Adequate funds are available and were budgeted in the Five-Year Wastewater CIP Plan for project number 530001.

Option 1:

- (1) Approve Change Order #2 with Valley Construction Management in the amount of \$216,413 and extend the contract term through March 29, 2024.
- (2) Authorize the General Manager to execute Change Order #2 to the existing professional services agreement.
- (3) Make a determination that the action identified herein does not constitute a “project” as defined by CEQA.

Option 2:

- (1) Provide other direction to staff.

**STAFF RECOMMENDATION**

---

Staff recommends Option 1.

---

Chad Williams  
Engineering and CIP Program  
Manager

December 5, 2023



## CONTRACT CHANGE ORDER 02

Date: December 5, 2023

Project No. 530001  
Contract No. 21-18

**Valley Construction Management**  
**3525 Del Mar Heights Road, Suite #192**  
**San Diego, CA 92130**

Project Title: Construction Management and Inspection Services for Lift Station No.1 Replacement Phase 1

This Change Order provides for: A contract change due to supply chain delays in materials and changed field conditions, affecting the Contractor’s (JW Fowler) completion schedule on the Lift Station 1 Project. The changed field conditions also required additional geotechnical services to be conducted under Valley CM’s agreement. As a result of these delays and changes in scope, the agreement with Valley Construction Management to provide construction management and inspection services in support of this project needs to be extended through the project completion and an increase in scope. Additional scope of services details are in Exhibit “A” The Consultant is to continue providing construction management and inspection services as prescribed in the Professional Service Agreement, Contract Number 21-18, dated October 28, 2021.

Total Cost: An **increase** of \$216,413

Schedule: Contract expiration date is **extended** to March 30, 2024

CONTRACT SUMMARY			
Original Contract Amount	Previous Change Orders	This Change Order	Total Contract Amount
\$1,423,717	CO# 01: \$0		\$1,423,717
		CO#02: \$216,413	\$1,640,130

Recommended by: \_\_\_\_\_  
 Chad Williams, Engineering & CIP Program Manager

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

Approved by: \_\_\_\_\_  
 Paul Mochel, Principal

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

Approved by: \_\_\_\_\_  
 Jake Wiley, General Manager

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

**Notice to Proceed:** Signature acknowledgment above authorizes Valley Construction Management to commence work, as this Change Order prescribes.





September 14, 2023

Malik Tamimi  
 Senior CIP Project Manager  
 Rainbow Municipal Water District  
 3707 Old Hwy 395  
 Fallbrook, CA 92028

**SUBJECT: Lift Station No. 1 Replacement-Phase 1**  
 Construction Management & Inspection Amendment Request #2

Dear Mr. Tamimi:

Valley CM respectfully request an amendment to our contract to cover additional costs required to complete the project due to the contractor's extended schedule for completion of the project and District requested extra work.

Valley CM's original contract to provide Construction Management and Inspection services for the above project included a 24-month contract duration. Change Order #6 added 218 calendar days to the contract due to supply chain issues and Change Order #7 added 17 calendar days due to utility conflicts. This has extended the contract duration from 369 working days to 538 working days an almost 50% increase. JW Fowlers latest schedule update (August 2023) shows a contract completion date of March 4, 2024 . This date is almost 10 months past the original contract completion date of May 23, 2023. JW Fowler is also working 2 shifts for the force main installation on Old River Road for approximately 2 months due to work hour limitations imposed by the County to avoid disrupting Bonsall Elementary School traffic. This additional inspection shift was not budgeted in our original proposal as the County ROW was not issued until after construction. Additionally, the District requested extra geotechnical work due to a changed subsurface condition claim by JWF. While Valley CM has managed the existing budget to cover a portion of the extended contract duration, we respectfully request a contract amendment be executed to cover the additional costs required to provide Construction Management and Inspection services for the extended duration of the contract. The additional costs are outlined below:

- a. Construction Management (Paul Mochel)
  - i. 7 months remaining (9/23 – 3/24) @ 100 hours/month = 700 hours to complete.
  - ii. 700 hours – 533 hours remaining (as of 8/31/23) = 167 additional hours required to complete.
  - iii. 167 hours @ \$185/hour = \$30,895.00.
- b. Construction Inspection (Matt Luttrell)
  - i. 2 months remaining with JWF Double Shifts (9/23 – 10/24) @ 352 hours/month = 704 hours to complete.
  - ii. 5 months remaining (11/24-3/24) @ 176 hours/month = 880 hours to complete.
  - iii. 704 + 880 = 1,584 hours to complete.
  - iv. 1,584 hours – 818 hours remaining (as of 8/31/23) = 766 additional hours required.
  - v. 766 hours @ \$173/hour = \$132,518

**TOTAL CM&I REQUESTED: \$163,413.00**

[www.ValleyCM.com](http://www.ValleyCM.com)

3525 Del Mar Heights Rd Suite 192  
 San Diego, CA 92130  
 866 966 2720  
 Info@ValleyCM.com






- c. Material Testing (Leighton Consulting)
  - i. See attached proposal from Leighton for additional geotechnical testing.

**TOTAL MATERIAL TESTING REQUESTED \$53,000.00**

**REQUESTED ADDITIONAL BUDGET = \$216,413.00**

Please call me if you have any questions.

Sincerely,  
Valley Construction Management

  
Paul Mochel, PE, CCM





**SUPPLEMENTAL WORK AUTHORIZATION**

**LEIGHTON CONSULTING, INC.**  
3934 Murphy Canyon Road, Suite B205  
San Diego, California 92123  
(858) 292-8030

**Client:** Valley Construction Management  
3525 Del Mar Heights Road, Suite 192  
Del Mar, California 92067

**Date:** August 31, 2023  
**Project No.** SD23-190

**Attention:** Mr. Paul Mochel

**From:** Mr. Steven Norton

**Project Name:** RMWD Lift Station No. 1 Replacement Project  
Rainbow Municipal Water District  
Bonsal, San Diego County, California

This work authorization is being sent to request your authorization to increase our contract amount for additional services that are associated with the proposed Lift Station No. 1 Replacement Project for the Rainbow Municipal Water District (RMWD). Services include additional geotechnical exploration consisting of six (6) hollow-stem auger borings in order to better constrain the subsurface conditions. An update report will be prepared upon completion of the exploration and laboratory testing. In addition, we are requesting your authorization to increase our contract amount to cover additional construction costs related to geotechnical observation and testing services at the time of work which is dependent on the contractor's progress.

The additional services will be performed on a time-and materials basis in accordance with the attached 2023 Professional Fee Schedule with Prevailing Wage in accordance with the existing contract documents. Specifically, we request the following additions to the project budget:

<b><u>Additional Geotechnical Services:</u></b>	
Additional Geotechnical Investigation and Report.....	\$ 23,000
Additional Site Inspection (associated with 4- or 8-hour minimums) .....	\$ 30,000
<b>Subtotal: \$ 53,000</b>	

---

Previous Authorized Budget for Geotechnical Services	\$ 98,700
Additional Requested Budget for Geotechnical Services	<u>\$ 53,000</u>
<b>Revised Total Budget</b>	<b>\$151,700</b>

The scope of work and budget identified above are authorized and subject to terms and conditions of the existing Master Services Agreement between Valley Construction Management and Leighton Consulting, Inc., Number **C93495M**. If the services are awarded to Leighton and the Scope of Work Agreement is acceptable to you, please have the Agreement executed by a duly authorized officer of your corporation and transmit them to us. We will return one fully executed copy for your records. Your assent to our beginning work before the Agreement is fully executed constitutes your agreement that the terms and conditions of this Scope of Work are acceptable to you.

**VALLEY CONSTRUCTION MANAGEMENT**

**LEIGHTON CONSULTING, INC.**

\_\_\_\_\_  
Signature of Authorized Agent of Client

\_\_\_\_\_  
Signature of Authorized Agent of Leighton

\_\_\_\_\_  
Name/Title

\_\_\_\_\_  
Name/Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date



## LABOR RATES

CLASSIFICATION	\$/HR	CLASSIFICATION	\$/HR
Technician I.....	100	Project Administrator/Word Processor/Dispatcher .....	90
Technician II / Special Inspector.....	110	Information Specialist .....	130
Senior Technician / Senior Special Inspector .....	130	CAD Operator.....	155
Prevailing Wage (field soils / materials tester) * .....	178	GIS Specialist.....	155
Prevailing Wage (Special Inspector) * .....	183	GIS Analyst .....	180
Prevailing Wage (On site Source Inspector, NDT and soil remediation O&M)*.....	188	Staff Engineer / Geologist / Scientist.....	170
System Operation & Maintenance (O&M) Specialist.....	165	Senior Staff Engineer / Geologist / Scientist / ASMR .....	185
Non Destructive Testing (NDT).....	175	Operations / Laboratory Manager.....	205
Deputy Inspector .....	130	Project Engineer / Geologist / Scientist.....	215
Field / Laboratory Supervisor .....	165	Senior Project Engineer / Geologist / Scientist / SMR.....	235
Source Inspector .....	150	Associate .....	260
City of Los Angeles Deputy Building (including Grading) Inspector .....	175	Principal.....	290
		Senior Principal .....	345

\* See Prevailing Wages in Terms and Conditions

## GEOTECHNICAL LABORATORY TESTING

METHOD	\$/TEST	METHOD	\$/TEST
<b>CLASSIFICATION &amp; INDEX PROPERTIES</b>		<b>COMPACTION &amp; PAVEMENT SUBGRADE TESTS</b>	
Photograph of sample .....	15	Standard Proctor compaction, 4 points (ASTM D698)	
Moisture content (ASTM D2216).....	25	- 4 inch diameter mold (Methods A & B) .....	170
Moisture & density (ASTM D2937) ring samples.....	35	- 6 inch diameter mold (Method C) .....	230
Moisture & density (ASTM D2937) Shelby tube or cutting .....	45	Modified Proctor compaction 4 points (ASTM D1557):	
Atterberg limits 3 points (ASTM D4318):.....	160	- 4 inch diameter mold Methods A & B.....	235
- Single point, non-plastic.....	90	- 6 inch diameter mold Method C.....	265
- Atterberg limits (organic ASTM D2487 / D4318).....	195	Check point (per point) .....	70
- Visual classification as non-plastic (ASTM D2488).....	15	Relative compaction of untreated/treated soils/aggregates (CTM 216) .....	270
Particle size:.....		Relative density 0.1 ft mold (ASTM D4253, D4254).....	250
- Sieve only 1½ inch to #200 (AASHTO T27/ASTM C136/ASTM D6913/CTM 202)...	145	California Bearing Ratio (ASTM D1883)	
- Large sieve 6 inch to #200 (AASHTO T27/ASTM C136/ASTM D6913/CTM 202)...	190	- 3 point.....	535
- Hydrometer only (ASTM D7928) .....	120	- 1 point.....	200
- Sieve + hydrometer ≤3 inch sieve, (ASTM D7928) .....	200	R-Value untreated soils/aggregates (AASHTO T190/ASTM D2844/CTM 301).....	335
- Percent passing #200 sieve, wash only (ASTM D1140).....	75	R-Value lime or cement treated soils/aggregates (AASHTO T190/ASTM D2844/CTM 301) .....	365
Specific gravity and absorption of fine aggregate (AASHTO T84/ASTM C128/ASTM D854/CTM 207).....	140		
Specific gravity and absorption of coarse aggregate (AASHTO T85/ASTM C127/CTM 206).....	110	<b>SOIL CHEMISTRY &amp; CORROSIVITY</b>	
- Total porosity - on Shelby tube sample (calculated) .....	180	pH Method A (ASTM D4972 or CTM 643) .....	50
- Total porosity - on other sample (calculated) .....	165	Electrical resistivity – single point – as received moisture.....	50
Shrinkage limits wax method (ASTM D4943).....	135	Minimum resistivity 3 moisture content points (ASTM G187/CTM 643) .....	95
Pinhole dispersion (ASTM D4647).....	225	pH + minimum resistivity (CTM 643) .....	140
Dispersive characteristics (double hydrometer ASTM D4221) .....	215	Sulfate content - gravimetric (CTM 417 B Part 2).....	75
As-received moisture & density (chunk/carved samples).....	65	Sulfate content - by ion chromatograph (CTM 417 Part 2) .....	85
Sand Equivalent (AASHTO T176/ASTM D2419/CTM 217) .....	115	Sulfate screen (Hach®) .....	35
		Chloride content (AASHTO T291/CTM 422) .....	75
		Chloride content – by ion chromatograph (AASHTO T291/CTM 422).....	85
		Corrosion suite: minimum resistivity, sulfate, chloride, pH (CTM 643).....	285
		Organic matter content (ASTM D2974).....	70
<b>SHEAR STRENGTH</b>		<b>CONSOLIDATION &amp; EXPANSION/SWELL TESTS</b>	
Pocket penetrometer .....	20	Consolidation (ASTM D2435):.....	210
Direct shear (ASTM D3080, mod., 3 points):		Each additional time curve .....	50
Consolidated undrained - 0.05 inch/min (CU) .....	305	Each additional load/unload w/o time reading .....	45
Consolidated drained - <0.05 inch/min (CD) .....	370	Expansion Index (ASTM D4829).....	140
Residual shear EM 1110-2-1906-IXA (price per each additional pass after shear)....	55	Single load swell/collapse - Method B (ASTM D4546-B, seat, load & inundate only)....	115
Remolding or hand trimming of specimens (3 points).....	95	Swell collapse Method A up to 10 load/unloads w/o time curves (ASTM D4546-A) .....	310
Oriented or block hand trimming (per hour).....	70		
Single point shear.....	115		
Torsional shear (ASTM D6467 / ASTM D7608).....	880		

METHOD	\$/TEST
<b>TRIAXIAL TESTS</b>	
Unconfined compression strength of cohesive soil (with stress/strain plot, ASTM D2166).....	145
Unconsolidated undrained triaxial compression test on cohesive soils (UU, ASTM D2850, USACE Q test, per confining stress).....	185
Consolidated undrained triaxial compression test for cohesive soils, (CU, ASTM D4767, USACE R-bar test) with back pressure saturation & pore water pressure measurement (per confining stress).....	400
Consolidated drained triaxial compression test (CD, USACE S), with volume change measurement. Price per soil type below EM 1110-2-1906(X):	
Sand or silty sand soils (per confining stress).....	400
Silt or clayey sand soils (per confining stress).....	535
Clay soils (per confining stress).....	755
Three-stage triaxial (sand or silty sand soils).....	700
Three-stage triaxial (silt or clayey sand soils).....	935
Three-stage triaxial (clay soils).....	1,320
Remolding of test specimens.....	70

METHOD	\$/TEST
<b>HYDRAULIC CONDUCTIVITY TESTS</b>	
Triaxial permeability in flexible-wall permeameter with backpressure saturation at one effective stress (EPA 9100/ASTM D5084, falling head Method C):.....	335
Each additional effective stress.....	130
Hand trimming of soil samples for horizontal K.....	65
Remolding of test specimens.....	70
Permeability of granular soils (ASTM D2434).....	145
Soil suction (filter paper method, ASTM D5298).....	430
<b>SOIL-CEMENT</b>	
Moisture-density curve for soil-cement mixtures (ASTM D558).....	260
Wet-dry durability of soil-cement mixtures (ASTM D559) <sup>1</sup> .....	1,290
Compressive strength of molded soil-cement cylinder (ASTM D1633) <sup>1</sup> .....	65
Soil-cement remolded specimen (for shear strength, consolidation, etc.) <sup>1</sup> .....	250

<sup>1</sup> Compaction (ASTM D558 maximum density) should also be performed – not included in above price

## CONSTRUCTION MATERIALS LABORATORY TESTING

METHOD	\$/TEST
<b>CONCRETE STRENGTH CHARACTERISTICS</b>	
Concrete cylinders compression (ASTM C39) (6" x 12" and 4" x 8").....	40
Compression, concrete or masonry cores (testing only) ≤6 inch (ASTM C42).....	45
Trimming concrete cores (per core).....	25
Flexural strength of concrete (simple beam-3rd pt. loading, ASTM C78/CTM 523).....	90
Flexural strength of concrete (simple beam-center pt. loading, ASTM C293/CTM 523).....	90
Non shrink grout cubes (2 inch, ASTM C109/C1107).....	30
Drying shrinkage - four readings, up to 90 days, 3 bars (ASTM C157).....	430
Length of concrete cores (CTM 531).....	45
<b>HOT MIX ASPHALT (HMA)</b>	
Resistance of compacted HMA to moisture-induced damage (AASHTO T283/CTM 371).....	2,250
Hamburg Wheel, 4 briquettes (modified) (AASHTO T324).....	965
Superpave gyratory compaction (AASHTO T312/ASTM D6925).....	375
Extraction by ignition oven, percent asphalt (AASHTO T308/ASTM D6307/CTM 382).....	160
Ignition oven correction/correlation values (AASHTO T308/ASTM D6307/CTM 382).....	1,445
Extraction by centrifuge, percent asphalt (ASTM D2172).....	160
Gradation of extracted aggregate (AASHTO T30/ASTM D5444/CTM 202).....	145
Stabilometer, S-Value (ASTM D1560/CTM 366).....	285
Bituminous mixture preparation (AASHTO R30/CTM 304).....	85
Moisture content of HMA (AASHTO T329/ASTM D6037/CTM 370).....	65
Bulk specific gravity of compacted HMA, molded specimen or cores, uncoated (AASHTO T166/ASTM D2726/CTM 308).....	55
Bulk specific gravity of compacted HMA, molded specimen or cores, paraffin-coated (AASHTO T275/ASTM D1188/CTM 308).....	60
Maximum density - Hveem (CTM 308).....	215
Theoretical maximum density and specific gravity of HMA (AASHTO T209/ASTM D2041/CTM 309).....	140
Thickness or height of compacted bituminous paving mixture specimens (ASTM D3549).....	45
Wet track abrasion of slurry seal (ASTM D3910).....	160
Rubberized asphalt (add to above rates).....	+25%
<b>BRICK</b>	
Compression - cost for each, 5 required (ASTM C67).....	55
Absorption - cost for each, 5 required (ASTM C67).....	55

METHOD	\$/TEST
<b>AGGREGATE PROPERTIES</b>	
Bulk density and voids in aggregates (AASHTO T19/ASTM C29/CTM 212).....	55
Organic impurities in fine aggregate sand (AASHTO T21/ASTM C40/CTM 213).....	65
LA Rattler-smaller coarse aggregate <1.5" (AASHTO T96/ASTM C131/CTM 211).....	215
LA Rattler-larger coarse aggregate 1-3" (AASHTO T96/ASTM C535/CTM 211).....	270
Apparent specific gravity of fine aggregate (AASHTO T84/ASTM C128/CTM 208).....	140
Specific gravity and absorption of coarse aggregate (ASTM C127/CTM 206)	
>#4 retained.....	110
Clay lumps, friable particles (AASHTO T112/ASTM C142).....	190
Durability Index (AASHTO T210/ASTM D3744/CTM 229).....	215
Moisture content of aggregates by oven drying (AASHTO T255/ASTM C566/CTM 226).....	45
Uncompacted void content of fine aggregate (AASHTO T304/ASTM C1252/CTM 234).....	140
Percent of crushed particles (AASHTO T335/ASTM D5821/CTM 205).....	145
Flat & elongated particles in coarse aggregate (ASTM D4791/CTM 235).....	230
Cleanness value of coarse aggregate (CTM 227).....	225
Soundness, magnesium (AASHTO T104/ASTM C88/CTM 214).....	240
Soundness, sodium (AASHTO T104/ASTM C88/CTM 214).....	695

<b>MASONRY</b>	
Mortar cylinders 2" x 4" (ASTM C780).....	35
Grout prisms 3" x 6" (ASTM C1019).....	35
Masonry cores compression, ≤6" diameter - testing only (ASTM C42).....	45
Masonry core shear testing (Title 24).....	85
Veneer bond strength, cost for each - 5 required (ASTM C482).....	60
CMU compression to size 8" x 8" x 16" - 3 required (ASTM C140).....	60
CMU moisture content, absorption & unit weight - 6 required (ASTM C140).....	55
CMU linear drying shrinkage (ASTM C426).....	190
CMU grouted prisms compression test ≤8" x 8" x 16" (ASTM C1314).....	215
CMU grouted prisms compression test > 8" x 8" x 16" (ASTM C1314).....	270

<b>BEARING PADS/PLATES AND JOINT SEAL</b>	
Elastomeric bearing pads (Caltrans SS 51-3).....	1060
Elastomeric bearing pad with hardness and compression tests (Caltrans SS 51-3).....	1,315
Type A Joint Seals (Caltrans SS 51-2).....	1,735
Type B Joint Seals (Caltrans SS 51-2).....	1,640
Bearing plates (A536).....	770

METHOD	\$/TEST
<b>REINFORCING STEEL AND PRESTRESSING STRANDS</b>	
Rebar tensile test, ≤ up to No. 11 (ASTM A370).....	70
Rebar tensile test, ≥ No. 14 & over (ASTM A370) .....	215
Rebar bend test, up to No. 11 (ASTM A370).....	70
Rebar bend test, ≥ No. 14 & over (ASTM A370).....	215
Resistance butt-welded hoops/bars, tensile test, ≤ up to No. 10 (CTM 670)....	70
Resistance butt-welded hoops/bars, tensile test, ≥ No. 11 & over (CTM 670)...	90
Mechanical rebar splice, tensile test, ≤ up to No. 11 (CTM 670).....	70
Mechanical rebar splice, slip test, ≤ up to No. 11 (CTM 670).....	45
Mechanical rebar splice, tensile test, ≥ No. 14 & over (CTM 670).....	215
Mechanical rebar splice, slip test, ≥ No. 14 & over (CTM 670).....	215
Headed rebar splice, tensile test, ≤ up to No. 11 (CTM 670).....	70
Headed rebar splice, tensile test, ≥ No. 14 & over (CTM 670).....	215
Epoxy coated rebar/dowel film thickness (coating) test (ASTM A775/A934).....	50
Epoxy coated rebar/dowel continuity (Holiday) test (ASTM A775/A934).....	70
Epoxy coated rebar flexibility/bend test, up to No. 11 (ASTM A775/A934).....	50
Prestressing wire, tension (ASTM A416) .....	190
Sample preparation (cutting) .....	55

METHOD	\$/TEST
<b>STREET LIGHTS/SIGNALS</b>	
LED Luminaires / Signal Modules / Countdown Pedestrian Signal Face Modules (Caltrans RSS 86).....	1,390
<b>SPRAY APPLIED FIREPROOFING</b>	
Unit weight (density, ASTM E605).....	65
<b>FASTENERS / BOLTS / RODS</b>	
F3125 GR A307, A325 Bolts, tensile test, ≤ up to 1-1/4" diameter, plain (ASTM A370) .....	70
F3125 GR A307, A325 Bolts, tensile test, ≤ up to 1-1/4" diameter, galvanized (ASTM A370) .....	80
A490 Bolts, tensile test, ≤ up to 1-1/4" diameter, plain (ASTM A370) .....	70
A490 Bolts, tensile test, ≤ up to 1-1/4" diameter, galvanized (ASTM A370) .....	80
A593 Bolts, tensile test, ≤ up to 1-1/4" diameter, stainless steel (ASTMA370)...	70
F1554 Bolts, tensile test, ≤ up to 1-1/4" diameter, plain (ASTM A370).....	110
F1554 Bolts, tensile test, ≤ up to 1-1/4" diameter, galvanized (ASTM A370)...	130
<b>SAMPLE TRANSPORT</b>	
Pick-up & delivery (weekdays, per trip, <50 mile radius from Leighton office) ...	95

**EQUIPMENT LIST**

ITEM	\$UNIT
1/4 inch Grab plates .....	5 each
1/4 inch Tubing (bonded).....	0.60 foot
1/4 inch Tubing (single) .....	0.40 foot
3/8 inch Tubing, clear vinyl .....	0.60 foot
4-Gas meter (RKI Eagle or similar)/GEM 2000 .....	140 day
Air flow meter and purge pump (200 cc/min).....	55 day
Box of 24 soil drive-sample rings.....	130 box
Brass sample tubes .....	11 each
Caution tape (1000-foot roll).....	22 each
Combination lock or padlock .....	15 each
Compressed air tank and regulator .....	55 day
Concrete coring machine (≤6-inch-dia).....	160 day
Consumables (gloves, rope, soap, tape, etc.).....	40 day
Core sample boxes.....	30 each
Crack monitor Two-Dimensional.....	30 each
Crack monitor Three-Dimensional.....	40 each
Cutoff saws, reciprocating, electric (Sawzall®) .....	80 day
D-Meter Walking Floor Profiler .....	110 day
Disposable bailers .....	25 each
Disposable bladders.....	20 each
Dissolved oxygen meter .....	50 day
DOT 55-gallon containment drum with lid .....	85 drum
Double-ring infiltrometer .....	135 day
Dual-stage interface probe .....	85 day
Dynamic Cone Penetrometer .....	430 day
Generator, portable gasoline fueled, 3,500 watts.....	90 day
Global Positioning System/Laser Range Finder.....	80 day
Hand auger set.....	90 day
HDPE safety fence (≤100 feet) .....	40 roll
Horiba U-51 water quality meter.....	135 day
Light tower (towable vertical mast).....	150 day
Magnehelic gauge .....	15 day
Manometer .....	25 day
Mileage (will adjust with IRS published rate).....	0.655 mile

ITEM	\$ UNIT
Moisture test kit (excludes labor to perform test, ASTM E1907) .....	65 test
Nuclear moisture and density gauge .....	88 day
Electrical moisture and density gauge .....	88 Day
Pachometer .....	50 day
Particulate Monitor.....	135 day
pH/Conductivity/Temperature meter .....	60 day
Photo-Ionization Detector (PID).....	130 day
Pump, Typhoon 2 or 4 stage .....	55 day
QED bladder pump w/QED control box.....	175 day
Quire fee – Phase I only .....	250 each
Resistivity field meter and pins .....	200 day
Slip / threaded cap, 2-inch or 4-inch diameter, PVC Schedule 40.....	20 each
Slope inclinometer .....	250 day
Soil sampling T-handle (Encore) .....	10 day
Soil sampling tripod .....	40 day
Speedy (R) moisture tester.....	10 day
Stainless steel bailer.....	60 day
Submersible pump with controller .....	180 day
Submersible pump/transfer pump, 10-25 gpm .....	65 day
Support service truck usage (well installation, etc.).....	250 day
Survey/fence stakes .....	10 each
Tedlar® bags .....	25 each
Traffic cones (≤25)/barricades (single lane).....	55 day
Turbidity meter .....	80 day
Tyvek® suit (each).....	25 each
Vapor sampling box .....	65 day
Vehicle usage (carrying equipment) .....	20 hour
VelociCalc.....	40 day
Visqueen (20 x 100 feet) .....	130 roll
Water level indicator (electronic well sounder) <300 feet deep well....	100 day
ZIPLEVEL® .....	40 day
Other specialized geotechnical and environmental testing and monitoring equipment are available, and priced per site	

## TERMS AND CONDITIONS

- **Expiration:** This fee schedule is effective through December 31, 2023 after which non-prevailing wage rates for remaining or additional services will increase by 4% on January 1st of each year.
- **Proposal Expiration:** Proposals are valid for at least 30 days, subject to change after 30 days; unless otherwise stated in an attached proposal.
- **Prevailing Wages:** Our fees for prevailing wage work are based upon California prevailing wage laws and wage determinations. Unless specifically indicated in our proposal, costs for apprentice are not included. If we are required to have an apprentice on your project, additional fees will be charged. Prevailing wage rates will increase by \$8 on July 1st of each year.
- **Overtime:** Standard overtime rate is per California Labor Law and is billed at 1.5 or 2 times their hourly billing rate. Overtime rate for non-exempt field personnel working on a Leighton observed holiday is billed at 2 times their hourly billing rate. Overtime rate for Prevailing wage work is per the California Department of Industrial Relations (DIR) determination and is multiplied at 1.5 to 2 times their hourly billing rate for overtime and double-time, respectively.
- **Expert Witness Time:** Expert witness deposition and testimony will be charged at 2 times hourly rates listed on the previous pages, with a minimum charge of four hours per day.
- **Minimum Field Hourly Charges:** For Field Technicians, Special Inspectors or any on-site (field) materials testing services:
  - **4 hours:** 4-hour minimum charge up to the first four hours of work.
  - **8 hours:** 8-hour minimum charge for over four hours of work, up to eight hours.
- **Project time accrued includes portal to portal travel time.**
- **Insurance & Limitation of Liability:** These rates are predicated on standard insurance coverage and a limit of Leighton's liability equal to our total fees for a given project.
- **Outside Direct Costs:** Heavy equipment, subcontractor fees and expenses, project-specific permits and/or licenses, project-specific supplemental insurance, travel, subsistence, project-specific parking charges, shipping, reproduction, and other reimbursable expenses will be invoiced at cost plus 20%, unless billed directly to and paid by client.
- **Invoicing:** Invoices are rendered monthly, payable upon receipt in United States dollars. A service charge of 1½-percent per month will be charged for late payment.
- **Client Disclosures:** Client agrees to provide all information in Client's possession about actual or possible presence of buried utilities and hazardous materials on the project site, prior to fieldwork, and agrees to reimburse Leighton for all costs related to unanticipated discovery of utilities and/or hazardous materials. Client is also responsible for providing safe and legal access to the project site for all Leighton field personnel.
- **Earth Material Samples:** Quoted testing unit rates are for soil and/or rock (earth) samples free of hazardous materials. Additional costs will accrue beyond these standard testing unit rates for handling, testing and/or disposing of soil and/or rock containing hazardous materials. Hazardous materials will be returned to the site or the site owner's designated representative at additional cost not included in listed unit rates. Standard turn-around time for geotechnical-laboratory test results is 10 working days. Samples will be stored for 2 months following completion of assigned tests, after which they will be discarded. Prior documented notification is required if samples need to be stored for a longer time. A monthly storage fee of \$15 per bag and \$6 per sleeve or tube will be applied. Quoted unit rates are only for earth materials sampled in California. There may be additional cost for handling imported samples.
- **Construction Material Samples:** After all designated breaks for a given sample set meet specified compressive at design age or other client-designated strength, all "hold" cylinders or specimens will be automatically disposed of, unless specified in writing prior to the 28-day break. Unless specifically requested otherwise, all other construction materials will be disposed of after completion of testing and reporting.

### BOARD OF DIRECTORS

December 5, 2023

---

### SUBJECT

CONSIDER AWARD OF A CONSTRUCTION CONTRACT IN THE AMOUNT OF \$X WITH X FOR THE WEST LILAC, RANCHO AMIGOS, AND DENTRO DE LOMAS PUMP STATIONS PROJECT (DIVISION 1)

### BACKGROUND

The Hutton, Turner, and Gopher Canyon tanks and associated pressure zones receive water from San Diego County Water Authority (SDCWA) connections 3, 6, and 11. The SDCWA aqueduct is shut down at least once per year for scheduled inspection and maintenance. These scheduled shutdowns impact the District's water supply and delivery to customers in the southern zone. During these shutdowns, the District must rent, install, and operate temporary pump stations in up to four (4) strategic locations to pump water to its tanks. Rental pumps take about two (2) to three (3) weeks for delivery, setup, and testing for water quality results. These pumps oftentimes must be placed along roads or homes, creating noise concerns for the public. In addition to the scheduled SDCWA shutdown(s), there have also been emergency, unscheduled shutdowns in recent years, during which the District must perform the same level of effort to supply water to its customers.

At the January 26, 2021 meeting, the Board approved a design contract with Hoch Consulting (Hoch) for the replacement of the temporary pumps with permanent pumps to supply water to the Hutton and Turner tanks. During the design of the two (2) pump stations, West Lilac and Rancho Amigos, the project team determined that the design criteria established by earlier modeling efforts by HDR were not fully inclusive of the information needed to model the demands in the District's southern zone. Staff determined that a macro approach to the District's comprehensive hydraulic model was necessary to determine the sizing of the West Lilac and Rancho Amigos pump stations. Staff also discovered that there were limitations for the Rancho Amigos Pump Station site (age of pipe, suction discharge limitation, and size of pipe). The District supported efforts to recalibrate the hydraulic model and run new design scenarios. A third pump station, Dentre De Lomas (Dentre), was recommended based on the findings of the updated hydraulic model. Below is a list of the three (3) proposed pump stations and their locations:

1. West Lilac PS: 7220 West Lilac Road, Bonsall, CA 92003
2. Rancho Amigos PS: 31267 Rancho Amigos, Bonsall, CA 92003
3. Dentre PS: 1990 Dentre De Lomas, Bonsall, CA 92003

Hoch Consulting completed the design plans for the project in August 2023, which include the installation of three (3) pre-fabricated EFI pump stations that are already in fabrication.

**DESCRIPTION**

On September 14, 2023, the District released a construction bid package for the West Lilac, Rancho Amigos, and Dentro pump stations (Project Number 600013) for public bidding. It was advertised in the Daily Journal, posted on the District’s website, and emails sent to various platforms and local contractors with experience in constructing pump stations.

On October 26, 2023, the District received X contractor bids:

<b>Contractor Name</b>	<b>Bid Amount</b>
1. XXXX	XXXX
2. XXXX	XXXX
3. XXXX	XXXX
4. XXXX	XXXX
5. XXXX	XXXX
6. XXXX	XXXX
7. XXXX	XXXX

The lowest responsible and responsive bidder was XXXX, with a bid amount of \$XXXX. Staff has evaluated the bids and there were no irregularities with the lowest bidder, XXXX. Staff recommends award to the lowest bidder, XXXX.

**POLICY/STRATEGIC PLAN KEY FOCUS AREA**

Strategic Focus Area One: Water Resources. Designing and constructing the West Lilac, Rancho Amigos, and Dentro De Lomas Pump Stations for regular use in transporting water from the Morro Zone to the Hutton and Turner Tanks will allow the District to ensure the availability of water during scheduled and unscheduled SDCWA Aqueduct shutdowns.

**ENVIRONMENTAL**

The West Lilac and Rancho Amigos pump station sites qualify for a categorical exemption under two categories. Section 15303, Class 3, New Construction or Conversion of Small Structures and Class 4, Minor Alterations to Land.

The Dentro Pump Station was included as part of the projects analyzed in the Environmental Impact Report (EIR) for the Polo Club at Valley Vista Tentative Map, which was certified by the County of San Diego Board of Supervisors on November 3, 1993. It was also included in the Addendum to the EIR dated June 24, 2022, which updated the Major Use Permit and Tentative Map.

1. Addendum to the Polo Club at Valley Vista Tentative Map EIR for Bonsall Oaks Phase 1A Minor Deviation of Major Use Permit (TM 4736RPL4; P92-019; PDS2022-MUP-92-019M4, APNs 127-571-01 through 127-571-09;127-570-01 through 14), dated June 24, 2022
2. Final EIR for the Polo Club at Valley Vista Tentative Map (P92-019, TM4736RPL4, Log No. 88-2-31), SCH No. 1988111617, dated November 1993.

A California Environmental Quality Act (CEQA) finding from the District is not necessary because the project was fully covered under the EIR and subsequent Addenda for the Polo Club at Valley Vista TM.

**BOARD OPTIONS/FISCAL IMPACTS**

Funds were budgeted in the Five-Year CIP Plan for PN: 600013.PN: 600013n for the project. This project falls under the Wholesale Water Efficiency Capital Project Budget with an approved budget of \$6,000,000 for this fiscal year. A mid-year adjustment will be necessary to increase the budget to cover the full amount of the contract pulling in funds that were planned to be spent in a future fiscal year, as well as funds budgeted to other Wholesale Water Efficiency Capital Projects that can be allocated in a future fiscal year if still needed.

Option 1:

- (1) Allocate funding and approve the Construction Agreement with XXXXX in the amount of \$XXXXX.
- (2) Authorize the General Manager to execute the construction contract.
- (3) Make a determination that the West Lilac and Rancho Amigos pump station sites are categorically exempt Section 15303, Class 3, New Construction or Conversion of Small Structures and Class 4, Minor Alterations to Land.

Option 2: (1) Reject all bids.

Option 3: (1) Provide other direction to staff.

**STAFF RECOMMENDATION**

Staff recommends Option 1.

Chad Williams  
Engineering and CIP Program  
Manager

December 5, 2023





**AS-NEEDED CONTRACT EXPENDITURES REPORT**  
**September & October 2023**

Note: This report only shows the current year and the previous year assignments, per the E&O Committee's request.

CONTRACT INFO	FUND SOURCE	ASSIGN. NO.	STATUS	DATED	DESCRIPTION	CONTRACT AMOUNT	AUTHORIZED ASSIGNMENT	INVOICED TO DATE
<b>Title: On-Call Civil Engineering Services, PSA #22-25   Firm: Ardurra   Expires: 11/2/25   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 150,000		
		2023-__						
					Unspecified		\$ 150,000.00	\$ -
<b>TOTALS:</b>						\$ 150,000	\$ 150,000.00	\$ -
<b>Title: On-Call Civil Engineering Services, PSA #22-26   Firm: Dexter Wilson Eng.   Expires: 11/2/22   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 150,000.00		
		2023-__						
					Unspecified		\$ 150,000.00	
<b>TOTALS:</b>						\$ 150,000	\$ 150,000.00	\$ -
<b>Title: On-Call Civil Engineering Services, PSA #22-27   Firm: Harris &amp; Assoc.   Expires: 11/2/25   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 150,000		
		2023-__						
					Unspecified		\$ 150,000.00	
<b>TOTALS:</b>						\$ 150,000	\$ 150,000.00	\$ -
<b>Title: On-Call Civil Engineering Services, PSA #22-28   Firm: Water Works Engineers   Expires: 11/2/25   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 150,000		
		2023-__						
					Unspecified		\$ 150,000.00	\$ -
<b>TOTALS:</b>						\$ 150,000	\$ 150,000.00	\$ -
<b>Title: On-Call Real Estate Services, PSA #22-29   Firm: Anderson &amp; Brabant   Expires: 11/3/25   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 50,000		
		2023-__						
					Unspecified		\$ 50,000.00	\$ -
<b>TOTALS:</b>						\$ 50,000	\$ 50,000.00	\$ -

**AS-NEEDED CONTRACT EXPENDITURES REPORT  
AUGUST 2023**

CONTRACT INFO	FUND SOURCE	ASSIGN. NO.	STATUS	DATED	DESCRIPTION	CONTRACT AMOUNT	AUTHORIZED ASSIGNMENT	INVOICED TO DATE
<b>Title: On-Call Real Estate Services, PSA #22-30   Firm: Epic Land Solutions   Expires: 11/3/25   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						<b>\$ 50,000</b>		
		2023-01	Closed	2/13/2023	Bonsall Reservoir - Appraisal for Rental & Sale of Property. Beck Reservoir - Apparials for Sale of Property.		\$ 7,000.00	\$ 7,000.00
					Unspecified		\$ 43,000.00	\$ -
<b>TOTALS:</b>						<b>\$ 50,000</b>	<b>\$ 50,000.00</b>	<b>\$ 7,000.00</b>
<b>Title: On-Call Land Surveying Services, PSA #22-33   Firm: GIS Surveyors, Inc. (GSI)   Expires: 1/3/2026   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						<b>\$ 100,000</b>		
		2023-__						
					Unspecified		\$ 100,000.00	\$ -
<b>TOTALS:</b>						<b>\$ 100,000</b>	<b>\$ 100,000.00</b>	<b>\$ -</b>
<b>Title: On-Call Land Surveying Services, PSA #22-34   Firm: KDM Meridian   Expires: 1/3/2026   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						<b>\$ 100,000</b>		
	CIP	2023-01	Open	2/9/2023	Live Oak Park Bridge - Staking of 8" and 16" Water main.		\$ 7,480.00	\$ 1,120.00
					Unspecified		\$ 92,520.00	\$ -
<b>TOTALS:</b>						<b>\$ 100,000</b>	<b>\$ 100,000.00</b>	<b>\$ 1,120.00</b>
<b>Title: On-Call Land Surveying Services, PSA #22-35   Firm: Right-of-Way Eng.   Expires: 1/3/2026   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						<b>\$ 100,000</b>		
	Non-CIP	2023-01	Open	2/1/2023	Genista Place - Staking of existing utility easements.		\$ 2,860.00	\$ 2,450.00
	Non-CIP	2023-02	Open	2/6/2023	Via Monserate/Ramona - Staking of existing utility easements.		\$ 7,500.00	\$ 2,692.34
	Non-CIP	2023-03	Open	2/28/2023	Via Mariposa - Staking of existing easment.		\$ 2,970.00	\$ 2,545.00
	Non-CIP	2023-04	Open	8/9/2023	Maravilla Lane - Staking of existing pipeline.		\$ 6,750.00	\$ 5,908.70
					Unspecified		\$ 79,920.00	\$ -
<b>TOTALS:</b>						<b>\$ 100,000</b>	<b>\$ 100,000.00</b>	<b>\$ 13,596.04</b>
<b>Title: On-Call Geotechnical Services, PSA #22-36   Firm: Atlas Tech Consultants   Expires: 1/6/2026   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						<b>\$ 100,000</b>		
		2023-__						
					Unspecified		\$ 100,000.00	\$ -
<b>TOTALS:</b>						<b>\$ 100,000</b>	<b>\$ 100,000.00</b>	<b>\$ -</b>

**AS-NEEDED CONTRACT EXPENDITURES REPORT  
AUGUST 2023**

CONTRACT INFO	FUND SOURCE	ASSIGN. NO.	STATUS	DATED	DESCRIPTION	CONTRACT AMOUNT	AUTHORIZED ASSIGNMENT	INVOICED TO DATE	
<b>Title: On-Call Geotechnical Services, PSA #22-37   Firm: Leighton Consultants   Expires: 1/6/2026   CCO:</b>									
<b>CONTRACT AMOUNT:</b>						\$ 100,000			
		2023-__							
					Unspecified		\$ 100,000.00	\$ -	
						<b>TOTALS:</b>	\$ 100,000	\$ 100,000.00	\$ -
<b>Title: On-Call Geotechnical Services, PSA #22-38   Firm: Ninyo &amp; Moore   Expires: 1/6/2026   CCO:</b>									
<b>CONTRACT AMOUNT:</b>						\$ 100,000			
	CIP	2023-01	Closed	4/4/2023	Sumac Communication Tower Photovoltaic & Battery System -		\$ 9,732.00	\$ 562.50	
					Unspecified		\$ 90,268.00	\$ 562.50	
						<b>TOTALS:</b>	\$ 100,000	\$ 90,268.00	\$ 562.50
<b>Title: On-Call Construction Management &amp; Insp. Services, PSA #23-04   Firm: Acroctic   Expires: 5/23/26   CCO:</b>									
<b>CONTRACT AMOUNT:</b>						\$ 100,000			
		2023-__							
					Unspecified		\$ 100,000.00	\$ -	
<b>Title: On-Call Construction Management &amp; Insp. Services, PSA #23-05   Firm: Ardurra   Expires: 5/23/26   CCO:</b>									
<b>CONTRACT AMOUNT:</b>						\$ 100,000			
		2023-__							
					Unspecified		\$ 100,000.00	\$ -	
						<b>TOTALS:</b>	\$ 100,000	\$ 100,000.00	\$ -

**AS-NEEDED CONTRACT EXPENDITURES REPORT  
AUGUST 2023**

CONTRACT INFO	FUND SOURCE	ASSIGN. NO.	STATUS	DATED	DESCRIPTION	CONTRACT AMOUNT	AUTHORIZED ASSIGNMENT	INVOICED TO DATE
<b>Title: On-Call Construction Management &amp; Insp. Services, PSA #23-06   Firm: Valley CM   Expires: 5/23/26   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 100,000		
	Non-CIP	2023-01	Open	8/2/2023	District staff support with coordination & logistics in finalizing the Standard Specifications and Drawings.		\$ 18,500.00	
	Both	2023-02	Open	8/4/2023	Inspection support services on various District projects.		\$ 51,993.00	
					Unspecified		\$ 29,507.00	\$ -
					<b>TOTALS:</b>	\$ 100,000	\$ 100,000.00	\$ -
<b>Title: On-Call Environmental Services, PSA #23-07   Firm: Helix   Expires: 5/23/26   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 100,000		
	Non-CIP	2023-01	Open	8/4/2023	Nesting bird surveys for upcoming tree trimming at District headquarters.		\$ 2,025.00	
	600013	2023-02	Open	8/17/2023	Environmental compliance support for the West Lilac, Rancho Amigas, & Dentro de Lomas Pump Station project.		\$ 6,240.00	\$ 1,430.00
					Unspecified		\$ 91,735.00	\$ -
					<b>TOTALS:</b>	\$ 100,000	\$ 100,000.00	\$ 1,430.00
<b>Title: On-Call Environmental Services, PSA #23-08   Firm: RECON   Expires: 5/23/26   CCO:</b>								
<b>CONTRACT AMOUNT:</b>						\$ 100,000		
		2023-						
					Unspecified		\$ 100,000.00	\$ -
					<b>TOTALS:</b>	\$ 100,000	\$ 100,000.00	\$ -