Tuesday, November 22, 2022 at 1:00 PM
Valley Sanitary District Board Room
45500 Van Buren Street, Indio, CA 92201

BOARD OF DIRECTORS
REGULAR SESSION
AGENDA

Valley Sanitary District is open to the public and board meetings will be conducted in person. In addition to attending in person, members of the public may view and participate in meeting via the following:

Zoom link: https://us06web.zoom.us/j/81589416021

Meeting ID: 815 8941 6021

To address the Board of Directors during the virtual live session via zoom, please email the Clerk of the Board at hgould@valley-sanitary.org or, alternatively, during the specific agenda item or general comment period (i.e. non-agenda items), please use the "raise your hand" function in zoom in order to be recognized by the Clerk of the Board in order to provide comments in real time.

The Clerk of the Board will facilitate to the extent possible any email requests to provide oral testimony that are sent during the live meeting. Members of the public may provide Oral testimony in person or during the virtual live session and are limited to three minutes each. To address the Board in person please complete speaker request card located at in the Board Room and give it to the Clerk of the Board.

If you are unable to provide comments during the meeting, written public comments on agenda or non-agenda items may be submitted by email to the Clerk of the Board at hgould@valley-sanitary.org. Written comments must be received by the Clerk of the Board no later than 11:00 a.m. on the day of the meeting.

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **PLEDGE OF ALLEGIANCE**
4. **PUBLIC COMMENT**
5. **CONSENT CALENDAR**
   Consent calendar items are expected to be routine and noncontroversial, to be acted upon by the

Board of Directors at one time, without discussion. If any Board member requests that an item be removed from the consent calendar, it will be removed so that it may be acted upon separately.

5.1 Review and Approve Board Meeting Minutes of November 8, 2022
Recommendation: Approve

5.2 Approve Warrants for November 22, 2022
Recommendation: Approve

5.3 Approve Monthly Revenue & Expense Report for the Period Ending October 31, 2022
Recommendation: Approve

5.4 Receive and File Credit Card Report for October 31, 2022
Recommendation: Receive and File

6. NON-HEARING ITEMS

6.1 Receive and File the Annual Comprehensive Financial Report (SCFR) for the Valley Sanitary District for the Fiscal Year Ending June 30, 2022
Recommendation: Receive and File

6.2 Authorize the General Manager to Execute a Professional Services Contract with Leighton Consulting, Inc. for Third-Party Inspection Services for the Recycled Water Project - Phase I in an Amount Not to Exceed $152,000
Recommendation: Approve

6.3 Adopt Resolution No. 2022-1172 Honoring Director Dennis Coleman for His Dedication and Service to Valley Sanitary District
Recommendation: Approve

6.4 Adopt Valley Sanitary District Legislative Advocacy Guidelines
Recommendation: Approve

6.5 Discuss the Annual Employee Performance Bonus, Approve the Amount, and Authorize the General Manager to Implement the Program for 2022
Recommendation: Approve

7. GENERAL MANAGER'S REPORT

8. COMMITTEE REPORTS

8.1 Discuss Draft Minutes for November 15, 2022, Regular Community Engagement Committee Meeting
Recommendation: Information

9. DIRECTOR'S ITEMS

10. INFORMATIONAL ITEMS

11. PUBLIC COMMENT

This is the time set aside for public comment on any item to be discussed in Closed Session. Please notify the Secretary at the beginning of the meeting if you wish to speak on a Closed Session item.

12. CONVENE IN CLOSED SESSION

13.1 Conference with Legal Counsel - Discussion to Consider Initiation of Litigation Pursuant to Government Code Section 54956.9 (d)(2) Under existing facts and circumstances, legal counsel believes that there is significant exposure to litigation

13.2 Public Employment Recruitment Pursuant to Government Code Section 54957 Title: General Manager

13. CONVENE IN OPEN SESSION

14. ADJOURNMENT

POSTED November 17, 2022
Holly Gould
Clerk of the Board
Valley Sanitary District

PUBLIC NOTICE

In compliance with the Americans with Disabilities Act, access to the Board Room and Public Restrooms has been made. If you need special assistance to participate in this meeting, please contact Valley Sanitary District (760) 235-5400. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting (28 CFR 35.102-35.104 ADA TITLE II). All public records related to open session items contained on this Agenda are available upon request at the Administrative Office of Valley Sanitary District located at 45-500 Van Buren Street, Indio, CA 92201. Copies of public records are subject to fees and charges for reproduction.

ITEM 5.1
ACTION

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Holly Gould, Clerk of the Board**
SUBJECT:	**Review and Approve Board Meeting Minutes of November 8, 2022**

Suggested Action
Approve

Strategic Plan Compliance
GOAL 6: Improve Planning, Administration and Governance

Fiscal Impact
There is no fiscal impact.

Environmental Review
This is not a project as defined by CEQA.

Background
Attached are the meeting minutes for the Board of Directors Meeting held November 8, 2022.

Recommendation
Staff recommends that the Board of Directors review and Approve Board Meeting Minutes of November 8, 2022.

Attachments
08 Nov 2022 Meeting Minutes.pdf

VALLEY SANITARY DISTRICT
MINUTES OF REGULAR BOARD MEETING
November 8, 2022

A regular Board Meeting of the Governing Board of Valley Sanitary District (VSD) was held on Tuesday, November 8, 2022, at 45-500 Van Buren St., Indio, CA 92201.

1. CALL TO ORDER

President Sear called the meeting to order at 1:03 p.m.

2. ROLL CALL

Directors Present:
Debra Canero, Dennis Coleman, Mike Duran, Scott Sear, William Teague

Staff Present:
Beverli Marshall, Holly Gould, Jeanette Juarez, Ron Buchwald, Dave Commons, Mark Wiseman, Miguel Serna, and Craig Hayes, Best Best & Krieger

Guests Present:
Dr. Bruce Underwood, Healthy Futures

3. PLEDGE OF ALLEGIANCE

4. NOVEMBER EMPLOYEE ANNIVERSARIES

- Mark Wiseman, Wastewater Operator II – 2 years
- Dave Commons, Chief Operating Officer – 1 year
- Miguel Serna, Human Resources Specialist – 1 year

The Board of Directors thanked Mark, Dave, and Miguel for their hard work and years of service to the District.

5. PUBLIC COMMENT

Please notify the Secretary in advance of the meeting if you wish to speak on a non-hearing item or any item not appearing on the agenda.

Dr. Bruce Underwood, Healthy Futures, Inc., gave public comment.

6. CONSENT CALENDAR

6.1 Approve Meeting Minutes of October 25, 2022

6.2 Approve Warrants for November 8, 2022

ACTION TAKEN:
MOTION: Director Duran motioned to approve the consent calendar as presented. Director Teague seconded the motion. Motion carried by the following roll call vote:
AYES: Canero, Coleman, Duran, Sear, Teague
NOES: None
MINUTE ORDER NO. 2022-3247

7. NON-HEARING ITEMS

7.1 Declare 2009 Ford Crew Cab 4x4 Surplus Equipment and Authorize the General Manager to Dispose of it as Appropriate

---

The 2009 Ford Crew Cab 4x4 truck has reached the end of its useful life as a primary District vehicle and was identified in the Vehicle and Equipment replacement fund for the Fiscal Year 2022-23. It has 43,028 miles of use, but the vehicle shows wear, and replacement parts are getting harder to find and costly. In 2005, SCAQMD and California Resources Control Board (CARB) passed a rule that requires all gas stations to retrofit the gasoline dispensers at all pumps. All gas stations have complied. VSD is upgrading our gas dispensing system, which will not work on vehicles older than 2014, even though it complies with AQMD and CARB regulations. VSD has purchased a 2022 Ford Hybrid truck to replace the 2009 Ford Crew Cab. If approved, the surplus truck will be sold on GovDeals.

ACTION TAKEN:
MOTION: Director Teague motioned to declare the 2009 Ford Crew Cab 4x4 truck as surplus equipment and authorize the General Manager to dispose of as appropriate. Secretary/Treasurer Coleman seconded the motion. Motion carried by the following roll call vote:
AYES: Canero, Coleman, Sear, Teague
NOES: Duran
MINUTE ORDER NO. 2022-3248

7.2 Authorize the General Manager to Execute a Contract with Elevation Health to Provide Employee Health and Wellness Program Services in an Amount Not to Exceed $37,750 for 12 months

---

Dr. Bruce Underwood, Healthy Futures, Inc., commented publicly on Item 7.2.

On September 20, 2022, the District released a second Request for Proposals (RFP) for Employee Wellness Program services. The Board requested this after concerns were expressed regarding the previous RFP. Since the existing contract has been in place for three years, the District's policy requires soliciting proposals for a new contract. Staff prepared an RFP for a consulting and/or wellness firm to develop a wellness program for District employees. The consulting and/or wellness firm needs expertise and experience in implementing a customized wellness program that promotes healthy behaviors. The District received three proposals: Elevation Health, Healthy Futures, and Pinnacle Training Systems. A four-member evaluation committee comprised of VSD employees independently reviewed the submitted Valley Sanitary District Recommendation proposals utilizing the six evaluation criteria in the RFP. According to the evaluation scores, the Committee determined that Elevation Health represents the best option for VSD's Employee Health and Wellness Program. Elevation Health provides the best overall wellness options utilizing onsite, web-based, and virtual connections. After much discussion, the Board requested to review all submitted proposals and bring this item back to the next board meeting.

ACTION TAKEN:

MOTION: Director Duran motioned for staff to present the Board of Directors with all proposals for review and to bring this item back to the Board at the next board meeting on November 25, 2022. Vice President Canero seconded the motion. Motion carried by the following roll call vote:
AYES: Canero, Duran, Sear, Teague
NOES: Coleman
MINUTE ORDER NO. 2022-3249

7.3 Adopt Valley Sanitary District Legislative Advocacy Guidelines

Staff will bring this item back to the next board meeting. The Legislative Advocacy Guidelines should have been included in the staff report.

7.4 Discuss Attending the CASA 2023 Washington DC Policy Forum and Authorize Specific Directors to Attend and Reimbursement of Related Expenses and Provide Direction to Staff

Each year the California Association of Sanitation Agencies holds a policy forum in Washington, D.C., to discuss and advocate for wastewater-related issues. In the past, three or four directors have attended this event. District policy requires prior approval by the Board for Directors to participate in events outside the local area (Coachella Valley). The cost associated with attending the conference is approximately $4,500 per attendee.

ACTION TAKEN:

MOTION: Director Duran motioned to authorize Directors Scott Sear, Debra Canero, and Mike Duran to attend the CASA Washington DC Policy Forum and the reimbursement of related expenses. Vice President Canero seconded the motion. Motion carried by the following roll call vote:

AYES: Canero, Duran, Sear, Teague
NOES: Coleman
MINUTE ORDER NO. 2022-3251

7.5 Establish an Ad Hoc Committee for the Purpose of Recruiting a General Manager

President Sear established an ad hoc committee to recruit a General Manager. He appointed himself and Vice President Canero to the Committee.

8. GENERAL MANAGER'S ITEMS

8.1 Monthly General Managers Report – September 2022

Secretary/Treasurer Coleman congratulated Ivan Monroy, Environmental Compliance Inspector, for being accepted into the Leadership Coachella Valley 2022-2023 Cohort.

9. COMMITTEE REPORTS

9.1 Budget & Finance Committee Report for November 1, 2022

Chairperson Dennis Coleman reported on the Budget & Finance Committee meeting on November 1, 2022. Staff worked with Morgan Stanley Smith Barney LLC to conduct an internal audit of the 457 retirement plans and make recommendations. The Committee directed staff for two additional quotes for 321 Financial Advisor Services and to present all three quotes at the next Budget & Finance Committee meeting in January 2023. The Committee also received an update on the Fiscal Year 2022 audit. Jeanette stated that the auditors are in the final stage of completing the audit. The visuals have been submitted by staff, and the audit is going through a final review. She stated that the audit took longer than usual due to additional bond disclosures.

10. DIRECTOR'S ITEMS

Vice President Canero stated the Día de Los Muertos event at the Coachella Valley History Museum was a very nice event. Secretary/Treasurer Coleman may not be able to attend the November 22, 2022, board meeting due to jury duty. President Sear will speak at the City of Indio State of the City event on November 6, 2022. He will also present the award to the school that won the water bear naming contest at the Desert Sands Unified School District board meeting on November 15, 2022. President Sear will also shadow two VSD employees to better understand the water reclamation facility.

11. INFORMATIONAL ITEMS

11.1 Recognize November 19, 2022, as United Nations World Toilet Day

The World Toilet Day 2022 campaign, called 'Making the invisible visible, focuses on the impact of the sanitation crisis on groundwater, exploring how inadequate sanitation systems spread human waste

into rivers, lakes, and soil, polluting underground water resources. Groundwater is the world's most abundant source of freshwater. The central message of World Toilet Day 2022 is that safely managed sanitation protects groundwater from human waste pollution.

12. PUBLIC COMMENT

Please notify the Clerk of the Board in advance of the meeting if you wish to speak on an item to be discussed in Closed Session.

None.

President Sear called for a short recess at 3:13 p.m. The Board of Directors reconvened at 3:21 p.m. Roll call was taken, and all Directors were present.

13. CONVENE IN CLOSED SESSION

Items discussed in Closed Session comply with the Ralph M. Brown Act.

13.1 Conference with Legal Counsel – Discussion to Consider Initiation of Litigation Pursuant Government Code Section 54956.9 (d)(2) Under existing facts and circumstances, legal counsel believes that there is significant exposure to litigation.

13.2 Public Employment Recruitment
Pursuant to Government Code Section 54957
Title: General Manager

The Board adjourned to Closed Session at 3:22 p.m.

14. CONVENE IN OPEN SESSION

Report out on Closed Session items

The Board reconvened in open session at 4:15 p.m. President Sear stated there was nothing to report.

15. ADJOURNMENT

There being no further business to discuss, the meeting adjourned at 4:16 p.m. The next regular Board meeting will be on November 22, 2022.

Respectfully submitted,

Holly Gould, Clerk of the Board
Valley Sanitary District

ITEM 5.2
ACTION

Valley Sanitary District

DATE: **November 22, 2022**

TO: **Board of Directors**

FROM: **Jeanette Juarez, Chief Administrative Officer**

SUBJECT: **Approve Warrants for November 22, 2022**

Suggested Action
Approve

Strategic Plan Compliance
GOAL 5: Long-Term Financial Strength

Fiscal Impact
The total charges incurred for the warrants from October 31, 2022, through November 14, 2022, are $984,611.11.

Background
The attached warrants list shows all disbursements from November 1, 2022, through November 14, 2022.

Recommendation
Staff recommends that the Board of Directors approve the warrants for November 22, 2022.

Attachments
list of bills 11-22-2022.pdf

DISBURSEMENTS
Approved at the Board Meeting of
November 22, 2022

41001	Advanced Resources, LLC	Temp lab tech - 10/17/2022-10/28/2022	$3,487.50
41002	Automation Pride	10 microplus remotes	$627.88
41003	Badger Meter, Inc	Tubing	$35.63
41004	Birdseye Planning Group	Task auth #22-01 Study - Sept - Oct 2022	$10,390.00
41005	Calif. Assoc. of Sanitation Agencies	Membership renewal - 1/1/2023-12/31/2023	$18,000.00
41006	Caltest Analytical Laboratory	Monthly samples - 11/3/2022	$1,157.65
41006	Caltest Analytical Laboratory	Weekly samples - 11/9/2022	$383.40
41007	Cintas Corp	Uniforms, mats, towels & etc - 11/3/2022	$470.03
41007	Cintas Corp	Uniforms, mats, towels, etc	$506.14
41008	Consolidated Electrical Distributors, Inc.	Galv slotted channel, work fordged belt	$200.37
41009	CV Strategies	Strategic communications - September 2022	$1,775.00
41009	CV Strategies	Strategic communications - October 2022	$1,525.00
41010	Desert Arc	Janitorial Services - October 2022	$3,500.36
41010	Desert Arc	Landscaping services - Nov 2022	$840.00
41011	Desert Hose & Supply	Red air hose, white paint marker	$27.39
41012	Diamond Environmental Services, LP	Portable restroom rental - 10/31/2022-11/27/2022	$268.33
41013	Downing Construction, Inc	IPS rehab payment #12 - Oct 2022	$514,716.75
41014	Dudek & Associates, Inc.	Plant watermain replacement - ph 2 - Sept 2022	$6,412.50
41015	Eisenhower Occupational Health	DOT Physical	$205.00
41016	Facilities Protection Systems	Troubleshoot system	$855.00
41017	Fiesta Ford	Oil filler cap	$8.70
41018	Fisher Scientific	Cleaner tube 5mm	$317.57
41019	Fleetcrew	Emissions Inspection	$662.99
41019	Fleetcrew	Certified Opacity Test	$75.00
41020	Franklin Truck Parts, Inc.	Surge tank cap	$35.91
41020	Franklin Truck Parts, Inc.	LED Lamps	$103.88
41021	Fulton Distributing Co.	Cutlery, towels, plates, soap	$1,394.71
41022	Geotab USA, Inc	Telemetrics subscription - 10/31/2022	$550.92
41023	GPE Controls, Inc.	Thermo Coupler & Well for Flare	$1,677.69
41024	Grainger	Compact ball valve	$145.10
41024	Grainger	Thermal unit	$123.98
41024	Grainger	Battery	$71.45
41024	Grainger	Spring nut	$43.42
41024	Grainger	Corner connector	$198.72
41024	Grainger	Ball valve	$133.74
41024	Grainger	Battery load tester	$116.20
41024	Grainger	Ball valve 1 inch	$133.74
41024	Grainger	Purge valve	$134.72
41024	Grainger	PVC valve	$143.32
41024	Grainger	Cone nut	$154.43
41024	Grainger	Evokit battery	$190.83
41024	Grainger	Fuse holder	$84.33
41024	Grainger	45 elbow	$76.86
41024	Grainger	Galss Microfiber Filters	$213.26
41025	Grainger	Non-Detergent Compressor Oil	$43.90
41026	Granicus, LLC	Granicus software renewal - 11/15/2022-11/14/2023	$9,924.60
41027	High Tech Irrigation Inc.	PVC pipe, elbows	$2,616.20
41028	Innovative Document Solutions	Monthly Maintenance for Canon Copier	$24.77
41029	Innovative Federal Strategies LLC	Federal advocacy - October 2022	$6,500.00
41030	JWC Environmental Inc.	11T cam cutters, DI monster renew	$33,667.92
41031	Kaman Industrial Technologies	Radial Ball Bearing	$25.42
41032	Linde Gas & Equipment Inc.	Tip for mdx 250	$24.36
41033	Master's Refreshment Services LLC	Water delivery - 10/31/2022	$418.00
41034	McMaster-Carr Supply Co.	Oil resistant gasket	$770.69
41035	Nicholas Castaneda	Collection system exam prep grade 3 reimbursement	$291.66
41036	Parkhouse Tire Services, Inc.	Tires	$1,686.67
41037	Pyro-Comm Systems	Fire Alarm Monitoring	$135.00
41038	Quinn Company	Paint	$43.46
41039	Rudy's Pest Control	Pest control - 11/7/2022	$200.00
41040	Southern California Boiler, Inc.	Boiller maintenance - October 2022	$1,004.99
41041	Southwest Networks, Inc.	Viewsonic monitor	$168.04
41041	Southwest Networks, Inc.	Vivotek camera	$2,756.11
41041	Southwest Networks, Inc.	Guardian BDR storage - Dec 2022	$699.00
41041	Southwest Networks, Inc.	Managed workstation - Nov 2022	$24.00
41041	Southwest Networks, Inc.	GuardianIT managed, cyber training, office 365 backup	$10,077.00
41041	Southwest Networks, Inc.	IT labor charges - October 2022	$118.75
41041	Southwest Networks, Inc.	Contract, Fixed fee Desktop Lab Tech	$100.00
41042	Staples Advantage	New charges - October 2022	$317.82
41043	Superior Protection Consultants	Security services - Oct 2022	$9,672.00
41044	Todd Groundwater	EVRA GRRP Hydrogeologic evaliation - October 2022	$23,757.98
41045	Townsend Public Affairs, Inc	State advocacy - Nov 2022	$5,000.00

41046	Underground Service Alert	Dig alerts - November 2022	$58.38
41046	Underground Service Alert	Dig alerts - November 2022	$179.75
41047	United States Plastic Corp.	Lab Supplies	$110.99
41048	United Way of the Desert	PR 10/14/2022 - 10/27/2022 PD 11/04/2022	$20.00
41049	Univar Solutions	Sodium Bisulfite - 11/8/2022	$6,549.21
41049	Univar Solutions	Sodium hypo - 11/2/2022	$13,672.51
41050	USA Blue Book	Replacement Screen for Y Strainer	$181.62
41050	USA Blue Book	Settlemeter	$199.81
41051	Willdan Financial Services	AD 2004-VSD FY22/23	$4,500.00
41052	YSI Inc	2 pumps	$32,574.48
202211081	Bank of New York Mellon	Interest Payment - VSD WW rev refunding bonds	$68,343.75
202211082	Basic	Payment deducted - 11/08/2022	$208.33
202211091	FedEx	Shipping services - 10/11/2022	$229.52
202211091	FedEx	Shipping charges - 10/18/2022	$203.12
202211091	FedEx	Shipping charges - 10/25/2022	$203.53
202211101	Burrtec Waste & Recycling Svcs	Grit temoval - October 2022	$2,104.94
202211102	Burrtec Waste & Recycling Svcs	Trash service - November 2022	$256.84
202211103	SPOK, Inc.	Pager service - November 2022	$24.87
202211131	Time Warner Cable	Telephone service - November 2022	$1,167.03
202211141	Purchase Power	Postage refill - 10/07/2022	$238.98
202211151	Associated Time Instruments	AOD - July 2022	$295.56
202211171	SoCal Gas	Gas service - October 2022	$181.31
202211181	Paychex - Direct Deposit	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$90,964.62
202211182	Paychex - Garnishment	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$210.46
202211183	Paychex - Tax	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$41,753.17
202211184	Nationwide Retirement Solution	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$1,813.00
202211185	Mission Square (formerly ICMARC / Vantage Point)	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$1,570.00
202211186	Empower (formerly Mass Mutual)	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$10.00
202211187	CalPERS 457	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$1,070.00
202211188	CalPERS Retirement	PR 10/28/2022 - 11/10/2022 PD 11/18/2022	$22,770.48
202211251	Umpqua Bank	New charges - October 2022	$10,751.11
		Totals	$984,661.11

ITEM 5.3
ACTION

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Jeanette Juarez, Chief Administrative Officer**
SUBJECT:	**Approve Monthly Revenue & Expense Report for the Period Ending October 31, 2022**

Suggested Action
Approve

Strategic Plan Compliance
GOAL 5: Long-Term Financial Strength

Fiscal Impact
There is no fiscal impact from this report.

Background
The adopted operating and capital budget for the fiscal year 2022/23 includes $17,767,816 in revenues and $16,189,076 in operating expenditures.

The attached Monthly Income Summary (Attachment A) and Budget Variance (Attachment B) report compare revenues and expenses to the respective line-item budgets. The report identifies current monthly revenues and expenses as well as fiscal year-to-date (FYTD) values.

Year-to-Date Summary

- As of October 31, 2022, the District has recorded $17,719,237 in revenue. The revenues are $1,888,974 or 11.9% over the annual seasonal budget. The variance is attributed to pending tax roll revenue and interest income recorded in July 2022.
- As of October 31, 2022, the District has incurred $4,641,393 in expenditures. The District's expenditures are $754,966 or 14.0% under the FYTD straight-line budget.

The Summary of Cash and Investments (Attachment C) report details the changes to the fund balances by fund type.

Fund	Unaudited Fund Balance As of 10/31/2022
Operating Fund (Fund 11)	$20,076,916
Special Revenue Fund (Fund 11 and Fund 6)	1,041,263
Fiduciary Fund (Fund 4)	247,779
Capital Improvement Fund (Fund 13)	11,569,607
Restricted CIP Fund (Fund 12)	28,771,717
Total	**$61,707,282**

Recommendation
Staff recommends that the Board receive and file the Revenue and Expense report for the period ending October 2022.

Attachments
Attachment A Monthly Income Summary - October 2022.pdf
Attachment B Budget Variance Report.pdf
Attachment C Summary of Cash and Investments - October 2022.pdf

Valley Sanitary District
Monthly Income Summary
October 2022 (UNAUDITED)

	Current Month	Fiscal YTD	Annual Projection	% Received	Balance
Revenues					
Sewer Service Chgs-Current	$136,679	$16,498,438	$15,686,490	105 %	($811,948)
Permit & Inspection Fees	$1,965	$9,465	$35,874	26 %	$26,409
Saddles/Disconnect Fees	$80	$80	$0	0 %	($80)
Plan Check Fees	$450	$4,200	$14,704	29 %	$10,504
Other Services	$200	$630	$3,397	19 %	$2,767
Sale of Surplus Property	$8,700	$8,700	$31,818	27 %	$23,118
Taxes - Current Secured	$0	$0	$855,412	0 %	$855,412
Taxes - Current Unsecured	$0	$0	$55,294	0 %	$55,294
Supple Prop. Taxes - Current	$0	$10	$0	0 %	($10)
Supple Prop. Taxes - Prior	$0	$564	$0	0 %	($564)
Homeowners Tax Relief	$0	$0	$6,090	0 %	$6,090
Interest Income	$1,773	$266,242	$36,068	738 %	($230,174)
Unrealized gains (losses)	($3,233)	($22,597)	$0	0 %	$22,597
Rebate Income	$0	$0	$3,836	0 %	$3,836
Non-Operating Revenues - Fnd 11	$91	$173	$5,156	3 %	$4,983
Interest Income	$0	$372,914	$32,151	1,160 %	($340,763)
Connection Fees	$34,942	$247,767	$996,915	25 %	$749,148
Interest Income	$0	$145,016	$4,611	3,145 %	($140,405)
Total Revenues	**$181,648**	**$17,531,602**	**$17,767,816**	**99 %**	**$236,214**

Valley Sanitary District
Budget Variance Report
October 2022

Description	FY23 Total Budget	Current Month Actual	Current Month Budget	Current Month Favorable (Unfavorable)	Fiscal Year to Date FYTD Actual	Fiscal Year to Date FY23 YTD Budget	Fiscal Year to Date Favorable (Unfavorable)	Fiscal Year to Date Percentage Remaining
Revenues:								
Operating Revenue	16,769,198	183,016	1,397,433	(1,214,417)	16,769,280	15,497,390	1,271,890	0.0%
Non-Operating Revenue	998,618	186,266	83,218	103,048	949,956	332,873	617,083	4.9%
Total Operating Revenue	**17,767,816**	**369,282**	**1,480,651**	**(1,111,369)**	**17,719,237**	**15,830,263**	**1,888,974**	**0.3%**
Operating Expenses:								
Salaries And Wages	3,543,600	281,573	295,300	13,727	1,071,226	1,181,200	109,974	69.8%
Director Fee/Payroll Tax-Board	94,985	5,700	7,915	2,215	22,700	31,662	8,962	76.1%
Bonus, Awards, Recertification	10,300	100	858	758	400	3,433	3,033	96.1%
Overtime	33,100	1,509	2,758	1,249	8,351	11,033	2,683	74.8%
Callout	13,000	2,805	1,083	(1,722)	6,079	4,333	(1,746)	53.2%
Standby Pay	61,824	4,620	5,152	532	18,806	20,608	1,802	69.6%
Longevity	43,000	3,231	3,583	353	12,646	14,333	1,687	70.6%
Retirement Contributions	357,077	25,957	29,756	3,799	102,342	119,026	16,684	71.3%
Fica And Medicare	347,615	20,735	28,968	8,233	81,750	115,872	34,121	76.5%
Life Insurance	7,260	700	605	(95)	2,462	2,420	(42)	66.1%
Health Insurance	615,374	48,127	51,281	3,154	191,860	205,125	13,264	68.8%
Dental Insurance	44,232	3,590	3,686	96	14,391	14,744	353	67.5%
Vision Insurance	8,156	655	680	25	2,627	2,719	92	67.8%
Long Term Disability	10,416	1,028	868	(160)	3,611	3,472	(139)	65.3%
Accounting Services-Admin	77,771	2,165	6,481	4,316	21,348	25,924	4,576	72.6%
Certifications	24,080	-	2,007	2,007	1,412	8,027	6,615	94.1%
Chemicals	529,620	48,489	44,135	(4,354)	198,739	176,540	(22,199)	62.5%
Comprehensive Insurance	371,193	29,365	30,933	1,568	119,076	123,731	4,655	67.9%
Conferences/ Meetings	202,629	3,241	16,886	13,645	36,857	67,543	30,686	81.8%
Contracts	1,527,336	71,988	127,278	55,290	212,589	509,112	296,523	86.1%
County Expense	23,100	-	1,925	1,925	3,046	7,700	4,654	86.8%
Covid-19 Supplies	15,759	143	1,313	1,170	632	5,253	4,621	96.0%
Election Expense	70,000	-	5,833	5,833	-	23,333	23,333	100.0%
Electric	726,000	61,247	60,500	(747)	236,898	242,000	5,102	67.4%
Gas, Oil & Fuel	58,000	7,320	4,833	(2,486)	23,552	19,333	(4,219)	59.4%
Grit & Screening Removal	40,000	2,362	3,333	972	8,210	13,333	5,124	79.5%
Legal Services	70,000	-	5,833	5,833	22,442	23,333	891	67.9%
Debt Service	4,412,971	367,748	367,748	-	1,470,990	1,470,990	-	66.7%
Medical Services	32,943	603	2,745	2,142	960	10,981	10,021	97.1%
Memberships	60,298	2,700	5,025	2,325	25,492	20,099	(5,393)	57.7%
Misc. Professional Services	109,391	45	9,116	9,071	22,426	36,464	14,038	79.5%
Natural Gas	7,000	181	583	402	773	2,333	1,560	89.0%
Office Supplies	26,000	1,294	2,167	872	4,682	8,667	3,985	82.0%
Opeb Contribution	81,719	1,192	6,810	5,618	4,768	27,240	22,472	94.2%
Other Expenses	70,000	1,319	5,833	4,514	5,181	23,333	18,153	92.6%
Permits & Fees	117,925	1,051	9,827	8,776	8,754	39,308	30,554	92.6%
Projects	369,000	41,427	30,750	(10,677)	118,677	123,000	4,323	67.8%
Publications	3,500	25	292	267	849	1,167	318	75.8%
Repairs & Maintenance	650,637	53,655	54,220	565	184,583	216,879	32,296	71.6%
Research & Monitoring	97,000	3,577	8,083	4,506	16,478	32,333	15,855	83.0%
Supplies	247,306	14,997	20,609	5,611	47,567	82,435	34,868	80.8%
Telephone/Internet	34,569	2,943	2,881	(62)	10,493	11,523	1,030	69.6%
Tools & Equipment	44,300	-	3,692	3,692	561	14,767	14,206	98.7%
Tuition Reimbursement	12,000	292	1,000	708	4,292	4,000	(292)	64.2%
Uniform Services	45,620	910	3,802	2,892	9,500	15,207	5,707	79.2%
Unfunded Accrued Liability	736,606	61,384	61,384	-	245,535	245,535	-	66.7%
Water	27,500	1,710	2,292	581	8,624	9,167	543	68.6%
Workers Compensation	77,364	5,863	6,447	584	26,156	25,788	(368)	66.2%
Total Operating Expenses (Before Depreciation)	**16,189,076**	**1,189,564**	**1,349,090**	**159,525**	**4,641,393**	**5,396,359**	**754,966**	**71.3%**
Operating Expenses in Excess of Operating Revenue		**(820,282)**			**13,077,844**			

Valley Sanitary District
Budget Variance Report
October 2022

Description	FY23 Total Budget	Current Month Actual	Current Month Budget	Current Month Favorable (Unfavorable)	Fiscal Year to Date FYTD Actual	Fiscal Year to Date FY23 YTD Budget	Fiscal Year to Date Favorable (Unfavorable)	Fiscal Year to Date Percentage Remaining
Operating Expenses:								
Wages	3,756,809	296,307	313,067	16,761	1,127,562	1,252,270	124,708	70.0%
Fringe Benefits	1,433,130	104,022	119,428	15,405	411,690	477,710	66,020	71.3%
Services	1,982,849	79,871	165,237	85,367	305,375	660,950	355,575	84.6%
Supplies and Materials	1,610,622	122,156	134,219	12,063	453,242	536,874	83,632	71.9%
Fuels and Lubricants	58,000	7,320	4,833	(2,486)	23,552	19,333	(4,219)	59.4%
Comprehensive Insurance	448,557	35,228	37,380	2,152	145,232	149,519	4,287	67.6%
Projects	369,000	41,427	30,750	(10,677)	118,677	123,000	4,323	67.8%
Utilities	800,500	65,500	66,708	1,208	254,505	266,833	12,329	68.2%
Debt Service	4,412,971	367,748	367,748	-	1,470,990	1,470,990	-	66.7%
Permits and Fees	141,025	1,051	11,752	10,701	11,800	47,008	35,208	91.6%
Unfunded Accrued Liability	736,606	61,384	61,384	-	245,535	245,535	-	66.7%
Other	439,007	7,552	36,584	29,032	73,233	146,336	73,103	83.3%
Total Operating Expenses (Before Depreciation)	**16,189,076**	**1,189,564**	**1,349,090**	**159,525**	**4,641,393**	**5,396,359**	**754,966**	**71.3%**
Revenues:								
Operating Revenue	16,769,198	183,016	1,397,433	(1,214,417)	16,769,280	15,497,390	1,271,890	0.0%
Non-Operating Revenue	998,618	186,266	83,218	103,048	949,956	332,873	617,083	4.9%
Total Revenue	**17,767,816**	**369,282**	**1,480,651**	**(1,111,369)**	**17,719,237**	**15,830,263**	**1,888,974**	**0.3%**
Net Operating Gain (Loss)		**(820,282)**			**13,077,844**			

VALLEY SANITARY DISTRICT

SUMMARY OF CASH AND INVESTMENTS

FOR THE PERIOD: 10/01/2022 TO 10/31/2022 (UNAUDITED) **Agenda Item No. _____**

INVESTMENTS				
LAIF Fund 4 - Agency Fund				
Beginning Balance (Fund 4)		246,980		
Net Transfer from (to) Fund 11		0		
Fair Value Factor for quarter ending 09/30/2022		0		
Interest (Pd quarterly - Int. Rate 1.35%)		799		
Fund 04 Ending Balance			**247,779**	
LAIF Fund 6 - Wastewater Revenue Refunding Bonds				
Beginning Balance (Fund 6)		749		
Net Transfer from (to) Fund 11		0		
Fair Value Factor for quarter ending 09/30/2022		0		
Interest (Pd quarterly - Int. Rate 1.35%)		2		
Fund 06 Ending Balance			**751**	
LAIF Fund 10 - Recycled Water Project				
Beginning Balance (Fund 10)		0		
Net Transfer from (to) Fund 11		0		
Fair Value Factor for quarter ending 09/30/2022		0		
Interest (Pd quarterly - Int. Rate 1.35%)		0		
Fund 10 Ending Balance			**0**	
LAIF Fund 11 - Operating Fund				
Beginning Balance (Fund 11)		17,733,007		
Net Transfer from (to) Fund 04		0		
Net Transfer from (to) Fund 06		0		
Net Transfer from (to) Fund 12		85,697		
Net Transfer from (to) Fund 13		(36,296)		
Fund Transfer from (to) LAIF - WF		0		
Fair Value Factor for quarter ending 09/30/2022		0		
Interest (Pd quarterly - Int. Rate 1.35%)		57,506		
Fund 11 Ending Balance			**17,839,914**	
LAIF Fund 12 - Reserve Fund				
Beginning Balance (Fund 12)		28,764,484		
Net Transfer from (to) Fund 11		(85,697)		
Fair Value Factor for quarter ending 09/30/2022		0		
Interest (Pd quarterly - Int. Rate 1.35%)		92,930		
Fund 12 Ending Balance			**28,771,717**	
LAIF Fund 13 - Capital Improvement Fund				
Beginning Balance		11,496,112		
Connection Fees	36,296			
(Disbursements) or Reimbursements	0			
Net Transfer from (to) Fund 11		36,296		
Fair Value Factor for quarter ending 09/30/2022		0		
Interest (Pd quarterly - Int. Rate 1.35%)		37,199		
Fund 13 Ending Balance			**11,569,607**	
TOTAL LAIF INVESTMENTS: FUNDS 04, 06, 11, 12 AND 13				**58,429,768**
CASH IN CHECKING ACCOUNT				
WELLS FARGO - FUND 11				
Beginning Balance		2,597,210		
Deposits		393,233		
Fund Transfer from (to) LAIF (net)		0		
Disbursements and Payroll		(753,441)		
Wells Fargo Ending Balance			**2,237,002**	
CALTRUST - FUND 11				
Beginning Balance		1,041,971		
Interest Income		1,773		
Unrealized Gain / <Loss>		(3,232)		
CalTRUST Ending Balance			**1,040,512**	
TOTAL WELLS FARGO AND CALTRUST CHECKING				**3,277,514**
TOTAL CASH AND INVESTMENTS				**61,707,282**

The Board certifies the ability of the District to meet its expenditure requirements for the next six (6) months, as per Government Code 53646(b)(3).

This report is in compliance with the District's Investment Policy under Government Code 53646(b)(2).

ITEM 5.4
REVIEW

Valley Sanitary District

DATE: **November 22, 2022**

TO: **Board of Directors**

FROM: **Jeanette Juarez, Chief Administrative Officer**

SUBJECT: **Receive and File Credit Card Report for October 31, 2022**

Suggested Action
Receive and File

Strategic Plan Compliance
GOAL 5: Long-Term Financial Strength

Fiscal Impact
The total charges incurred for the credit card statement ending October 31, 2022, are $10,751.11.

Environmental Review
This is not a project as defined by CEQA.

Background
The attached report summarizes the District's credit card expenditures for the statement ending October 31, 2022.

Recommendation
Staff recommends that the Board of Directors receive the credit card statement for October 31, 2022.

Attachments
3.4 Attachment A Credit Card Transaction October 2022.xlsx
UMPQUA Credit Card Statement Redacted Oct 2022.pdf

Diverted From Cardholder Name	Tran Date	Post Date	Merchant Name	MCC Description	Debits	Credits
BEVERLI A MARSHALL	10/28/2022	10/28/2022	Palm Sp Desert Sun	Continuity/Subscription Merchants	$14.99	
BEVERLI A MARSHALL	10/25/2022	10/26/2022	VISTAPRINT	Miscellaneous Publishing And Printing	$255.55	
BEVERLI A MARSHALL	10/25/2022	10/26/2022	VISTAPRINT	Miscellaneous Publishing And Printing	$391.04	
BEVERLI A MARSHALL	10/24/2022	10/25/2022	PE SUBSCRIPTIONS	Advertising Services	$10.00	
BEVERLI A MARSHALL	10/19/2022	10/20/2022	SACBEE SUBSCRIPTION	News Dealers & Newsstands	$15.99	
BEVERLI A MARSHALL	10/18/2022	10/19/2022	WEF MAIN	Membership Organizations Not Elsewher	$118.99	
BEVERLI A MARSHALL	10/12/2022	10/13/2022	PAYPAL *QUICKYMARTL	Telecommunications Equipment Including	$4.99	
BEVERLI A MARSHALL	10/10/2022	10/11/2022	PAYPAL *CCMI LCP	Variety Stores	$45.00	
BEVERLI A MARSHALL	7/14/2022	10/10/2022	CR ADJ/CHARGEBACK PROC	Payment Adjustment Fee or Finance Charge		($332.00)
BRANDEN RODRIGUEZ	10/28/2022	10/28/2022	PANERA BREAD #601254 O	Express Payment Services (Fast Food)	$109.78	
BRANDEN RODRIGUEZ	10/12/2022	10/13/2022	FASTRAK VIOLATION CENT	Tolls Road And Bridge Fees	$7.00	
BRANDEN RODRIGUEZ	10/12/2022	10/13/2022	QUICKQUACK* #0701 WASH	Car Washes	$9.99	
BRANDEN RODRIGUEZ	10/10/2022	10/12/2022	GO-GO EXPRESS WASH	Car Washes	$10.00	
DANIEL A MILLS	10/13/2022	10/16/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$6.25	
DANIEL A MILLS	10/12/2022	10/13/2022	SEPULVEDA BLDG INDIO	Lumber & Building Materials Storestran	$108.35	
DAVE COMMONS	10/25/2022	10/26/2022	AMAZON.COM*H03C62AT0 AMZN	Book Stores	$5.04	
DAVE COMMONS	10/15/2022	10/16/2022	AMZN Mktp US*HT81O4BR0	Book Stores	$74.66	
DAVE COMMONS	10/11/2022	10/12/2022	AMZN Mktp US*1K0CQ4Y80	Book Stores	$27.18	
DAVE COMMONS	10/4/2022	10/5/2022	AMZN Mktp US*147J89VF2	Book Stores	$16.30	
DAVE COMMONS	10/3/2022	10/4/2022	Adobe Inc	Digital Goods-Software Applications	$14.99	
EDUARDO LUNA	10/28/2022	10/30/2022	EXPRESS PIPE INDIO-2020	Industrial Supplies Not Elsewhere Clas	$54.59	
EDUARDO LUNA	10/28/2022	10/30/2022	EXPRESS PIPE INDIO-2020	Industrial Supplies Not Elsewhere Clas	$114.13	
EDUARDO LUNA	10/26/2022	10/28/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$7.04	
EDUARDO LUNA	10/26/2022	10/27/2022	DESERT ELECTRIC-INDIO	Electrical Parts And Equipment	$127.61	
EDUARDO LUNA	10/25/2022	10/27/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$169.40	
EDUARDO LUNA	10/24/2022	10/26/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$144.25	
EDUARDO LUNA	10/13/2022	10/16/2022	THE HOME DEPOT 6874	Home Supply Warehouse Stores	$82.05	
HEBERTO MORENO	10/25/2022	10/25/2022	AMZN Mktp US	Book Stores		($11.95)
HEBERTO MORENO	10/19/2022	10/19/2022	AMZN Mktp US*HT7767X52	Book Stores	$17.39	
HEBERTO MORENO	10/18/2022	10/19/2022	AMZN Mktp US*H87NS5N00	Book Stores	$11.95	
HEBERTO MORENO	10/14/2022	10/16/2022	APPLE.COM/BILL	Digital Goods-Audiovisual Media	$2.99	
HEBERTO MORENO	10/5/2022	10/7/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$32.36	
HOLLY GOULD	10/28/2022	10/30/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$189.71	
HOLLY GOULD	10/27/2022	10/28/2022	Amazon.com*H02E22Z41	Book Stores	$336.03	
HOLLY GOULD	10/26/2022	10/27/2022	WM SUPERCENTER #2181	Grocery Stores Supermarkets	$60.95	
HOLLY GOULD	10/26/2022	10/27/2022	FD *CA DMV VFC *SVC	Government Services Not Elsewhere Clas	$0.03	
HOLLY GOULD	10/26/2022	10/27/2022	FD *CA DMV VFC	Government Services Not Elsewhere Clas	$1.00	
HOLLY GOULD	10/26/2022	10/27/2022	AMZN Mktp US*H09D63PO0	Book Stores	$259.91	
HOLLY GOULD	10/26/2022	10/27/2022	AMZN Mktp US*H892S9VS2	Book Stores	$156.59	
HOLLY GOULD	10/24/2022	10/26/2022	WAL-MART #2181	Grocery Stores Supermarkets	$84.92	
HOLLY GOULD	10/25/2022	10/26/2022	GCVCC	Membership Organizations Not Elsewher	$795.00	
HOLLY GOULD	10/21/2022	10/24/2022	PAYPAL *CWEA	Charitable And Social Service Organiza	$305.00	
HOLLY GOULD	10/21/2022	10/23/2022	BROWN AND CALDWELL	Engineering Architectural & Surveying	$200.00	
HOLLY GOULD	10/19/2022	10/20/2022	LIEBERTCASS	Legal Services Attorneys	$475.00	
HOLLY GOULD	10/11/2022	10/12/2022	CALIFORNIA WATER ENVIRON	Membership Organizations Not Elsewher	$202.00	
HOLLY GOULD	10/6/2022	10/7/2022	AMZN Mktp US*1K1C36N40	Book Stores	$143.40	
HOLLY GOULD	10/4/2022	10/5/2022	LIEBERTCASS	Legal Services Attorneys	$475.00	
HOLLY GOULD	10/3/2022	10/4/2022	FD *CA DMV VFC *SVC	Government Services Not Elsewhere Clas	$0.17	
HOLLY GOULD	10/3/2022	10/4/2022	FD *CA DMV VFC	Government Services Not Elsewhere Clas	$7.00	
HOLLY GOULD	10/1/2022	10/2/2022	AMZN Mktp US*141FL80B1	Book Stores	$21.72	
HOLLY GOULD	10/1/2022	10/2/2022	AMZN Mktp US*147U270O1	Book Stores	$10.86	
JEANETTE JUAREZ	10/27/2022	10/28/2022	WAL-MART #2181	Grocery Stores Supermarkets	$58.56	
JEANETTE JUAREZ	10/26/2022	10/28/2022	RENAISSANCE ESMERALDA	Stouffer Corporation	$6.25	
JEANETTE JUAREZ	10/19/2022	10/20/2022	J2 EFAX SERVICES	Continuity/Subscription Merchants	$16.95	
JEANETTE JUAREZ	10/5/2022	10/6/2022	GOVERNMENT FINANCE OFFIC	Membership Organizations Not Elsewher	$160.00	
JEANETTE JUAREZ	10/4/2022	10/6/2022	AROUND THE CLOCK CALL CTR	Miscellaneous & Specialty Retail Store	$123.70	
JEANETTE JUAREZ	10/3/2022	10/5/2022	AMERICAN AIR0017850485277	American Airlines	$299.60	
JEANETTE JUAREZ	10/3/2022	10/5/2022	UNITED 0167837279663	United Airlines	$76.60	
JEANETTE JUAREZ	10/4/2022	10/5/2022	HYATT REGENCY SACRAMENTO	Hyatt Hotels	$254.47	
JEANETTE JUAREZ	10/4/2022	10/5/2022	ADOBE ACROPRO SUBS	Computer Software	$186.89	
JEANETTE JUAREZ	10/3/2022	10/4/2022	CSMFO	Charitable And Social Service Organiza	$470.00	
JEANETTE JUAREZ	10/3/2022	10/4/2022	EXPEDIA 72403127910861	Travel Agencies	$3.06	
JEANETTE JUAREZ	9/30/2022	10/2/2022	CSMFO	Membership Organizations Not Elsewher	$150.00	
JIMMY GARCIA	10/27/2022	10/28/2022	SMART AND FINAL 718	Grocery Stores Supermarkets	$145.46	
JIMMY GARCIA	10/26/2022	10/28/2022	ARCO #42960 AMPM	Service Stations	$12.00	
JIMMY GARCIA	10/27/2022	10/27/2022	MSC	Industrial Supplies Not Elsewhere Clas	$115.80	
JIMMY GARCIA	10/20/2022	10/23/2022	ARCO #42960 AMPM	Service Stations	$10.00	
JIMMY GARCIA	10/20/2022	10/21/2022	MOWERS PLUS	Nurseries Lawn & Garden Supply Stores	$32.37	
JIMMY GARCIA	10/19/2022	10/20/2022	RDOAG IND 010445	Commercial Equipment Not Elsewhere Cl	$19.90	
JIMMY GARCIA	10/18/2022	10/19/2022	JOHN M ELLSWORTH CO INC	Hardware Equipment And Supplies	$188.72	
JIMMY GARCIA	10/5/2022	10/7/2022	THE HOME DEPOT 6874	Home Supply Warehouse Stores	$86.30	
JIMMY GARCIA	10/5/2022	10/7/2022	THE HOME DEPOT 6874	Home Supply Warehouse Stores	$307.00	
JIMMY GARCIA	10/5/2022	10/6/2022	SEPULVEDA BLDG INDIO	Lumber & Building Materials Storestran	$205.59	
JIMMY GARCIA	10/3/2022	10/5/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$189.97	
SCOTT SEAR	10/26/2022	10/28/2022	RENAISSANCE ESMERALDA	Stouffer Corporation	$8.25	
SCOTT SEAR	9/30/2022	10/2/2022	BEST BUY MHT 00010207	Electronics Sales	$108.74	
TINO TIJERINA	10/28/2022	10/31/2022	YELLOW MART STORES	Sporting Goods Stores	$17.38	
TINO TIJERINA	10/26/2022	10/28/2022	ZORO TOOLS INC	Industrial Supplies Not Elsewhere Clas	$61.32	
TINO TIJERINA	10/24/2022	10/26/2022	THE HOME DEPOT 6874	Home Supply Warehouse Stores	$98.66	
TINO TIJERINA	10/24/2022	10/25/2022	Ariat International Inc.	Family Clothing Stores	$184.82	
TINO TIJERINA	10/21/2022	10/23/2022	SP BULBAMERICA	Electrical Parts And Equipment	$26.61	
TINO TIJERINA	10/20/2022	10/21/2022	SQ *LIGHTBULBS.COM	Miscellaneous & Specialty Retail Store	$215.19	
TINO TIJERINA	10/11/2022	10/14/2022	HOBBY-LOBBY #627	Hobby Toy & Game Shops		($184.87)
TINO TIJERINA	10/11/2022	10/13/2022	HOBBY-LOBBY #627	Hobby Toy & Game Shops	$156.49	
TINO TIJERINA	10/10/2022	10/12/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$70.14	
TINO TIJERINA	10/7/2022	10/9/2022	SEPULVEDA BLDG INDIO	Lumber & Building Materials Storestran	$288.93	
TINO TIJERINA	10/6/2022	10/9/2022	SHERMAN'S LIQUOR	Miscellaneous Food Stores - Specialty	$15.78	
TINO TIJERINA	10/7/2022	10/9/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$31.08	
TINO TIJERINA	10/6/2022	10/7/2022	ARRIOLAS TORTILLERIA	Eating Places Restaurants	$48.04	

TINO TIJERINA	10/6/2022	10/7/2022	SWB-INDIO	Lumber & Building Materials Storestran	$195.71	
TINO TIJERINA	10/3/2022	10/5/2022	HOBBY-LOBBY #627	Hobby Toy & Game Shops	$194.09	
TINO TIJERINA	10/3/2022	10/4/2022	SEPULVEDA BLDG INDIO	Lumber & Building Materials Storestran	$252.81	
TINO TIJERINA	9/30/2022	10/2/2022	QUICK N EASY	Package Stores - Beer Liquor	$8.05	
TINO TIJERINA	9/30/2022	10/2/2022	ARRIOLAS TORTILLERIA	Eating Places Restaurants	$56.84	
TINO TIJERINA	9/29/2022	10/2/2022	THE HOME DEPOT #6874	Home Supply Warehouse Stores	$42.38	
TINO TIJERINA	9/30/2022	10/2/2022	SHERMAN'S LIQUOR	Miscellaneous Food Stores - Specialty	$13.29	
				Total	$10,947.93	($528.82)

Account Summary

Billing Cycle		10/31/2022
Days In Billing Cycle		31
Previous Balance		$24,830.49
Purchases	+	$10,947.93
Cash	+	$0.00
Balance Transfers	+	$0.00
Special	+	$0.00
Credits	-	$528.82-
Payments	-	$24,498.49-
Other Charges	+	$0.00
Finance Charges	+	$0.00
NEW BALANCE		**$10,751.11**

Credit Summary

Total Credit Line	$75,000.00
Available Credit Line	$64,248.89
Available Cash	$0.00
Amount Over Credit Line	$0.00
Amount Past Due	$0.00
Disputed Amount	$332.00

Account Inquiries

Call us at: (866) 777-9013
Lost or Stolen Card: (866) 839-3485

Go to www.umpquabank.com

Write us at PO BOX 35142 - LB1181, SEATTLE, WA 98124-5142

Payment Summary

NEW BALANCE	**$10,751.11**
MINIMUM PAYMENT	**$10,419.11**
PAYMENT DUE DATE	**11/25/2022**

NOTE: *Grace period to avoid a finance charge on purchases, pay entire new balance by payment due date. Finance charge accrues on cash advances until paid and will be billed on your next statement.*

Corporate Activity

TOTAL CORPORATE ACTIVITY **$24,498.49-**

Trans Date	Post Date	Reference Number	Transaction Description	Amount
10/10	10/10	74807252282111111111111	AUTO PMT FROM ACCT [redacted]	$24,498.49-

Cardholder Account Summary

JEANETTE JUAREZ #### #### #### 4756	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$1,806.08	$0.00	$1,806.08

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/30	10/02	PPLN01	2449216227400000570018 4	CSMFO WWW.CSMFO.ORG CA	$150.00
10/03	10/04	PPLN01	2469216227610926965821 4	EXPEDIA 72403127910861 EXPEDIA.COM WA	$3.06
10/03	10/04	PPLN01	2455930227690001958495 5	CSMFO 916-2312137 CA	$470.00

PLEASE DETACH COUPON AND RETURN PAYMENT USING THE ENCLOSED ENVELOPE ALLOW UP TO 7 DAYS FOR RECEIPT - *

UMPQUA BANK
PO BOX 35142 - LB1181
SEATTLE WA 98124-5142

UMPQUA BANK

Account Number [redacted]

Check box to indicate name/address change on back of this coupon ☐

Closing Date	New Balance	Total Minimum Payment Due	Payment Due Date
10/31/22	$10,751.11	$10,419.11	11/25/22

AMOUNT OF PAYMENT ENCLOSED

$ _____.__

BL ACCT [redacted]
VALLEY SANITARY DISTRICT
45-500 VAN BUREN STREET
INDIO CA 92201

35744

MAKE CHECK PAYABLE TO:

UMPQUA BANK COMMERCIAL CARD OPS
PO BOX 35142 - LB1181
SEATTLE WA 98124-5142

35 0012 5937 0000 0000 00000000 00000000 0

IMPORTANT INFORMATION

Finance Charge Calculation Methods and Computation of Average Daily Balance Subject to Finance Charge: The Finance Charge Calculation Method applicable to your account for Cash Advances and Credit Purchases of goods and services that you obtain through the use of your card is specified on the front side of this statement and explained below:

Method A - Average Daily Balance (including current transactions): The Finance Charge on purchases begins on the date the transaction posted to your account. The Finance Charge on Cash Advances begins on the date you obtained the cash advance, or the first day of the billing cycle within which it is posted to your account, whichever is later. There is no grace period.

The Finance Charges for a billing cycle are computed by applying the Periodic Rate to the "average daily balance" of your account. To get the average daily balance, we take the beginning balance of your account each day, add any new purchases or cash advances, and subtract any payments, credits, non-accruing fees, and unpaid finance charges. This gives us the daily balance. Then we add up all the daily balances for the billing cycle and divide the total by the number of days in the billing cycle.

Method E - Average Daily Balance (excluding current transactions): To avoid incurring an additional Finance Charge on the balance of purchases (and cash advances if Method E is specified as applicable to cash advances) reflected on your monthly statement, you must pay the New Balance shown on your monthly statement on or before the Payment Due Date. The grace period for the New Balance of purchases extends to the Payment Due Date.

The Finance Charges for a billing cycle are computed by applying the Periodic Rate to the "average daily balance" of purchases (and if applicable, cash advances). To get the average daily balance, we take the beginning balance of your account each day and subtract any payments, credits, non-accruing fees, and unpaid finance charges. We do not add in any new purchases or cash advances. This gives us the daily balance. Then we add up all the daily balances for the billing cycle and divide the total by the number of days in the billing cycle.

Method G - Average Daily Balance (including current transactions): To avoid incurring an additional Finance Charge on the balance of purchases (and cash advances, if Method G is specified as applicable to cash advances) reflected on your monthly statement and, on any new purchases (and if applicable, cash advances) appearing on your next monthly statement, you must pay the New Balance, shown on your monthly statement, on or before the Payment Due Date. The grace period for the New Balance of purchases extends to the Payment Due Date.

The Finance Charges for a billing cycle are computed by applying the Periodic Rate to the "average daily balance" of purchases (and if applicable, cash advances). To get the average daily balance, we take the beginning balance of your account each day, add any new purchases or cash advances, and subtract any payments, credits, non-accruing fees, and unpaid finance charges. This gives us the daily balance. Then we add up all the daily balances for the billing cycle and divide the total by the number of days in the billing cycle.

Payment Crediting and Credit Balance: Payments received at the location specified on the front of the statement after the phrase "MAKE CHECK PAYABLE TO" will be credited to the account specified on the payment coupon as of the date of receipt. Payments received at a different location or payments that do not conform to the requirements set forth on or with the periodic statement (e.g. missing payment stub, payment envelope other than as provided with your statement, multiple checks or multiple coupons in the same envelope) may be subject to delay in crediting, but shall be credited within five days of receipt. If there is a credit balance due on your account, you may request in writing, a full refund. Submit your request to the Account Inquiries address on the front of this statement.

By sending your check, you are authorizing the use of the information on your check to make a one-time electronic debit from the account on which the check is drawn. This electronic debit, which may be posted to your account as early as the date your check is received, will be only for the amount of your check. The original check will be destroyed and we will retain the image in our records. If you have questions please call the customer service number on the front of this billing statement.

Closing Date: The closing date is the last day of the billing cycle; all transactions received after the closing date will appear on your next statement.

Annual Fee: If your account has been assessed an annual fee, you may avoid paying this annual fee by sending written notification of termination within 30 days following the mailing date of this bill. Submit your request to the Account Inquiries address on the front of this statement. You may use your card(s) during this 30 day period but immediately thereafter must send your card(s), which you have cut in half, to this same address.

Negative Credit Reports: You are hereby notified that a negative credit report reflecting on your credit record may be submitted to a credit reporting agency if you fail to fulfill the terms of your credit obligations.

BILLING RIGHTS SUMMARY

In Case of Errors or Inquiries About Your Bill: If you suspect there is an error on your account or you need information about a transaction on your bill, send your written inquiry to the Account Inquiries address on the front of this statement within 60 days of the date of the statement containing the transaction in question. You may telephone us, however a written request is required to preserve your rights.

In your letter, give us the following information:

- Your name and account number.
- The dollar amount of the suspected error.
- Describe the error and explain, if you can, why you believe there is an error. If you need more information, describe the item you are unsure about.

You do not have to pay any amount in question while we are investigating, but you are still obligated to pay the parts of your bill that are not in question. While we investigate your question, we cannot report you as delinquent or take any action to collect the amount you question.

Please provide a legal document evidencing your name change, such as a court document.
Please use blue or black ink to complete form

NAME CHANGE

Last

First Middle

ADDRESS CHANGE

Street

City State ZIP Code

Home Phone ( ) -

Business Phone ( ) -

Cell Phone ( ) -

E-mail Address

SIGNATURE REQUIRED TO AUTHORIZE CHANGES Signature

Cardholder Account Detail Continued

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/03	10/05	PPLN01	24692162277100052121279	UNITED 0167837279663 800-932-2732 TX JUAREZ/JEANETTE 013123 PSP / SFO UA N O SFO / SMF UA N O	$76.60
10/03	10/05	PPLN01	2494300227734490020267 6	AMERICAN AIR0017850485277 FORT WORTH TX JUAREZ/JEANETTE 020323 SMF PHX AA L X PSP AA L O	$299.60
10/04	10/05	PPLN01	24943002277722743382948	HYATT REGENCY SACRAMENTO 8885884384 CA	$254.47
10/04	10/05	PPLN01	24943002277700561738722	ADOBE ACROPRO SUBS 800-443-8158 CA	$186.89
10/04	10/06	PPLN01	24412902278030024162548	AROUND THE CLOCK CALL CTR 888-711-1956 CA	$123.70
10/05	10/06	PPLN01	24005942278300632686991	GOVERNMENT FINANCE OFFIC CHICAGO IL	$160.00
10/19	10/20	PPLN01	24692162292108257110618	J2 EFAX SERVICES 323-817-3205 CA	$16.95
10/26	10/28	PPLN01	24692162300104247830027	RENAISSANCE ESMERALDA 760-773-4444 CA	$6.25
10/27	10/28	PPLN01	24226382301091005464784	WAL-MART #2181 INDIO CA	$58.56

Cardholder Account Summary

BEVERLI A MARSHALL #### #### #### 5986	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$332.00-	$1,188.55	$0.00	$856.55

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
07/14	10/10		70000002283900000019701	CR ADJ/CHARGEBACK PROC	$332.00-
10/10	10/11	PPLN01	24492152283894785786185	PAYPAL *CCMI LCP 402-935-7733 CA	$45.00
10/12	10/13	PPLN01	24492152285894859981256	PAYPAL *QUICKYMARTL 402-935-7733 CA	$4.99
10/18	10/19	PPLN01	24009582291300603266156	WEF MAIN 703-684-2400 VA	$118.99
10/19	10/20	PPLN01	24001752293083133419637	SACBEE SUBSCRIPTION 800-284-3233 CA	$15.99
10/24	10/25	PPLN01	24493982298083155310865	PE SUBSCRIPTIONS 951-368-9000 CA	$10.00
10/25	10/26	PPLN01	24492152298719851090431	VISTAPRINT 866-207-4955 MA	$391.04
10/25	10/26	PPLN01	24492152298745855511957	VISTAPRINT 866-207-4955 MA	$255.55
10/28	10/28	PPLN01	24692162301104598742648	Palm Sp Desert Sun 888-426-0491 IN	$14.99
07/14	08/24	PPLN01	24009582195300624103427	DISPUTE	$332.00

Cardholder Account Summary

HEBERTO MORENO #### #### #### 6026	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$11.95-	$64.69	$0.00	$52.74

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/05	10/07	PPLN01	24943012279010184107439	THE HOME DEPOT #6874 INDIO CA	$32.36
10/14	10/16	PPLN01	24692162287104559588921	APPLE.COM/BILL 866-712-7753 CA	$2.99
10/18	10/19	PPLN01	24692162291107729999096	AMZN Mktp US*H87NS5N00 Amzn.com/bill WA	$11.95
10/19	10/19	PPLN01	24692162292107978414747	AMZN Mktp US*HT7767X52 Amzn.com/bill WA	$17.39
10/25	10/25		74692162298102441707396	CREDIT VOUCHER AMZN Mktp US Amzn.com/bill WA	$11.95-

Cardholder Account Summary

TINO TIJERINA #### #### #### 6034	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$184.87-	$1,977.61	$0.00	$1,792.74

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/29	10/02	PPLN01	24943012273010183587629	THE HOME DEPOT #6874 INDIO CA	$42.38
09/30	10/02	PPLN01	24801972274206802400104	SHERMAN'S LIQUOR INDIO CA	$13.29
09/30	10/02	PPLN01	24055232274091611000077	ARRIOLAS TORTILLERIA INDIO CA	$56.84
09/30	10/02	PPLN01	24493982274286907600198	QUICK N EASY INDIO CA	$8.05
10/03	10/04	PPLN01	24493982276286934300059	SEPULVEDA BLDG INDIO INDIO CA	$252.81
10/03	10/05	PPLN01	24137462277200233000132	HOBBY-LOBBY #627 LA QUINTA CA	$194.09
10/06	10/07	PPLN01	24692162280101736018357	SWB-INDIO INDIO CA	$195.71
10/06	10/07	PPLN01	24055232280091613000127	ARRIOLAS TORTILLERIA INDIO CA	$48.04
10/07	10/09	PPLN01	24943012281010183725260	THE HOME DEPOT #6874 INDIO CA	$31.08
10/07	10/09	PPLN01	24493982281286934700012	SEPULVEDA BLDG INDIO INDIO CA	$288.93
10/06	10/09	PPLN01	24801972280206802000120	SHERMAN'S LIQUOR INDIO CA	$15.78
10/10	10/12	PPLN01	24943012284010180606429	THE HOME DEPOT #6874 INDIO CA	$70.14
10/11	10/13	PPLN01	24137462285200213946874	HOBBY-LOBBY #627 LA QUINTA CA	$156.49
10/11	10/14		74137462285200232470166	CREDIT VOUCHER HOBBY-LOBBY #627 LA QUINTA CA	$184.87-
10/20	10/21	PPLN01	24692162293109221227263	SQ *LIGHTBULBS.COM gosq.com MN	$215.19
10/21	10/23	PPLN01	24492162294000031646118	SP BULBAMERICA BULBAMERICA.M NY	$26.61
10/24	10/25	PPLN01	24204292297308616868721	Ariat International, Inc. 877-7027428 CA	$184.82
10/24	10/26	PPLN01	24692162298102792236164	THE HOME DEPOT 6874 INDIO CA	$98.66
10/26	10/28	PPLN01	24755422300273006287638	ZORO TOOLS INC 855-2899676 IL	$61.32
10/28	10/31	PPLN01	24687202303030041417141	YELLOW MART STORES INDIO CA	$17.38

Cardholder Account Summary

SCOTT SEAR #### #### #### 6109	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$116.99	$0.00	$116.99

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
09/30	10/02	PPLN01	24399002273295068011445	BEST BUY MHT 00010207 LA QUINTA CA	$108.74
10/26	10/28	PPLN01	24692162300104247830035	RENAISSANCE ESMERALDA 760-773-4444 CA	$8.25

Cardholder Account Summary

EDUARDO LUNA #### #### #### 9557	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$699.07	$0.00	$699.07

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/13	10/16	PPLN01	24692162287104573798209	THE HOME DEPOT 6874 INDIO CA	$82.05
10/24	10/26	PPLN01	24943012298010183482061	THE HOME DEPOT #6874 INDIO CA	$144.25
10/26	10/27	PPLN01	24801972300081066793652	DESERT ELECTRIC-INDIO INDIO CA	$127.61
10/25	10/27	PPLN01	24943012299010179620533	THE HOME DEPOT #6874 INDIO CA	$169.40
10/26	10/28	PPLN01	24943012300010183577635	THE HOME DEPOT #6874 INDIO CA	$7.04
10/28	10/30	PPLN01	24941682302081229645306	EXPRESS PIPE INDIO-2020 INDIO CA	$114.13
10/28	10/30	PPLN01	24941682302081255993745	EXPRESS PIPE INDIO-2020 INDIO CA	$54.59

Cardholder Account Summary

BRANDEN RODRIGUEZ #### #### #### 9565	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$136.77	$0.00	$136.77

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/10	10/12	PPLN01	24269792284500599193947	GO-GO EXPRESS WASH COACHELLA CA	$10.00
10/12	10/13	PPLN01	24431062285081142422554	FASTRAK VIOLATION CENT 415-486-8655 CA	$7.00
10/12	10/13	PPLN01	24011342285000038940374	QUICKQUACK* #0701 WASH 188-87722792 CA	$9.99
10/28	10/28	PPLN01	24692162301104662826483	PANERA BREAD #601254 O 760-564-3750 CA	$109.78

Cardholder Account Summary

HOLLY GOULD #### #### #### 7260	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$3,724.29	$0.00	$3,724.29

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/01	10/02	PPLN01	2469216227410766660 4734	AMZN Mktp US*147U270O1 Amzn.com/bill WA	$10.86
10/01	10/02	PPLN01	2469216227410766745 9245	AMZN Mktp US*141FL80B1 Amzn.com/bill WA	$21.72
10/03	10/04	PPLN01	2411641227740063601 1344	FD *CA DMV VFC clover.com CA	$7.00
10/03	10/04	PPLN01	2411641227740001601 1328	FD *CA DMV VFC *SVC clover.com CA	$0.17
10/04	10/05	PPLN01	2449215227785251383 2588	LIEBERTCASS 310-981-2000 CA	$475.00
10/06	10/07	PPLN01	2469216227910120360 3619	AMZN Mktp US*1K1C36N40 Amzn.com/bill WA	$143.40
10/11	10/12	PPLN01	2480197228569038491 1231	CALIFORNIA WATER ENVIRON 510-382-7800 CA	$202.00
10/19	10/20	PPLN01	2449215229285219877 5889	LIEBERTCASS 310-981-2000 CA	$475.00
10/21	10/23	PPLN01	2475542229513295734 2155	BROWN AND CALDWELL 925-2102277 CO	$200.00
10/21	10/24	PPLN01	2449215229685228202 1592	PAYPAL *CWEA 510-382-7800 CA	$305.00
10/24	10/26	PPLN01	2422638229836045578 6722	WAL-MART #2181 INDIO CA	$84.92
10/25	10/26	PPLN01	2449216229800003122 3070	GCVCC WWW.GCVCC.ORG CA	$795.00
10/26	10/27	PPLN01	2444500230040020963 0191	WM SUPERCENTER #2181 INDIO CA	$60.95
10/26	10/27	PPLN01	2469216229910327604 8355	AMZN Mktp US*H892S9VS2 Amzn.com/bill WA	$156.59
10/26	10/27	PPLN01	2469216229910376112 0313	AMZN Mktp US*H09D63PO0 Amzn.com/bill WA	$259.91
10/26	10/27	PPLN01	2411641230040063900 4180	FD *CA DMV VFC clover.com CA	$1.00
10/26	10/27	PPLN01	2411641230040001900 4149	FD *CA DMV VFC *SVC clover.com CA	$0.03
10/27	10/28	PPLN01	2469216230010407479 6275	Amazon.com*H02E22Z41 Amzn.com/bill WA	$336.03
10/28	10/30	PPLN01	2494301230201018326 3077	THE HOME DEPOT #6874 INDIO CA	$189.71

Cardholder Account Summary

JIMMY GARCIA #### #### #### 7450	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$1,313.11	$0.00	$1,313.11

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/03	10/05	PPLN01	2494301227701017982 2689	THE HOME DEPOT #6874 INDIO CA	$189.97
10/05	10/06	PPLN01	2449398227828693450 0144	SEPULVEDA BLDG INDIO INDIO CA	$205.59
10/05	10/07	PPLN01	2469216227910143926 8401	THE HOME DEPOT 6874 INDIO CA	$307.00
10/05	10/07	PPLN01	2469216227910143926 8492	THE HOME DEPOT 6874 INDIO CA	$86.30
10/18	10/19	PPLN01	2449215229171381810 6957	JOHN M ELLSWORTH CO INC 414-354-1414 WI	$188.72
10/19	10/20	PPLN01	2406720229221919050 2059	RDOAG IND 010445 INDIO CA	$19.90
10/20	10/21	PPLN01	2470780229302701840 2382	MOWERS PLUS BERMUDA DUNES CA	$32.37
10/20	10/23	PPLN01	2403454229400241915 1727	ARCO #42960 AMPM INDIO CA	$10.00
10/27	10/27	PPLN01	2469216230010397772 0341	MSC 800-645-7270 NY	$115.80
10/27	10/28	PPLN01	2423168230183700004 0466	SMART AND FINAL 718 COACHELLA CA	$145.46
10/26	10/28	PPLN01	2403454230000308882 5718	ARCO #42960 AMPM INDIO CA	$12.00

Cardholder Account Summary

DANIEL A MILLS #### #### #### 8110	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$114.60	$0.00	$114.60

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/12	10/13	PPLN01	2449398228528693400 0013	SEPULVEDA BLDG INDIO INDIO CA	$108.35
10/13	10/16	PPLN01	2494301228701018328 8370	THE HOME DEPOT #6874 INDIO CA	$6.25

Cardholder Account Summary

DAVE COMMONS #### #### #### 7327	Payments & Other Credits	Purchases & Other Charges	Cash Advances	Total Activity
	$0.00	$138.17	$0.00	$138.17

Cardholder Account Detail

Trans Date	Post Date	Plan Name	Reference Number	Description	Amount
10/03	10/04	PPLN01	2420429227600014989672 6	Adobe Inc 800-8336687 CA	$14.99
10/04	10/05	PPLN01	24692162277109726121326	AMZN Mktp US*147J89VF2 Amzn.com/bill WA	$16.30
10/11	10/12	PPLN01	24692162284102253603429	AMZN Mktp US*1K0CQ4Y80 Amzn.com/bill WA	$27.18
10/15	10/16	PPLN01	24692162288104919326334	AMZN Mktp US*HT81O4BR0 Amzn.com/bill WA	$74.66
10/25	10/26	PPLN01	24431062299083722198186	AMAZON.COM*H03C62AT0 AMZN AMZN.COM/BILL WA	$5.04

Additional Information About Your Account

THE ITEM(S) LISTED ABOVE HAS BEEN DISPUTED BY YOU. WHILE IT REMAINS IN YOUR STATEMENT BALANCE, IT IS NOT INCLUDED IN PAYMENT CALCULATIONS. PLEASE REFER TO THE LAST PAGE OF YOUR STATEMENT FOR IMPORTANT INFORMATION ON DISPUTED TRANSACTIONS.

IT IS NOT NECESSARY TO MAIL YOUR PAYMENT. YOUR ACCOUNT WILL BE AUTOMATICALLY PAID THROUGH A DIRECT DEBIT OF YOUR CHECKING OR SAVINGS ACCOUNT ON 11/10/22 PER YOUR AGREEMENT WITH US. THE DEBIT AMOUNT THIS MONTH IS $10751.11

Finance Charge Summary / Plan Level Information

Plan Name	Plan Description	FCM[1]	Average Daily Balance	Periodic Rate *	Corresponding APR	Finance Charges	Effective APR Fees **	Effective APR	Ending Balance
Purchases									
PPLN01 001	PURCHASE	E	$0.00	0.06024%(D)	21.9900%	$0.00	$0.00	0.0000%	$10,751.11
Cash									
CPLN01 001	CASH	A	$0.00	0.06572%(D)	23.9900%	$0.00	$0.00	0.0000%	$0.00

* Periodic Rate (M)=Monthly (D)=Daily
Days In Billing Cycle: 31

** includes cash advance and foreign currency fees
APR = Annual Percentage Rate

[1] FCM = Finance Charge Method

(V) = Variable Rate If you have a variable rate account the periodic rate and Annual Percentage Rate (APR) may vary.

ITEM 6.1
REVIEW

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Jeanette Juarez, Chief Administrative Officer**
SUBJECT:	**Receive and File the Annual Comprehensive Financial Report (SCFR) for the Valley Sanitary District for the Fiscal Year Ending June 30, 2022**

Suggested Action
Receive and File

Strategic Plan Compliance
GOAL 5: Long-Term Financial Strength

Fiscal Impact
The District's total net position increased $9.4 million or 9.2% for the year ended June 30, 2022, from $103.0 million to $112.5 million. The variance is primarily due to an increase in sewer service revenue. In the fiscal year 2020/21, after properly conducting a noticed public and as allowed by Proposition 218 the District adopted a rate increase schedule that will continue through the fiscal year 2025/26. The rate increase will fund capital improvement projects, repairs, and rehabilitation of the District's collection and system infrastructure and equipment.

Background
In accordance with the Generally Accepted Accounting Principles (GAAP) for State and Local governments, the Districts prepare an ACFR for the fiscal year.

The purpose of the ACFR is to provide accountability for both the financial and operational information that is useful to the decision-makers of the District.

The District's external financial auditors, Davis Farr LLP, completed the field audit work and submitted a Letter of Audit Findings (included in the ACFR). Overall, the auditors provided an unmodified opinion of the District's financial reports. Jonathan Foster, CPA, Davis Farr LLP, will provide the Board with an overview of the audit process and outcome.

Recommendation

Staff recommends that the Board of Directors receive and file the ACFR for Valley Sanitary District for the fiscal year ending June 30, 2022.

Attachments

VSD FY22 Financial Statements.pdf

VALLEY SANITARY DISTRICT

ANNUAL COMPREHENSIVE FINANCIAL REPORT

FISCAL YEAR ENDING JUNE 30TH, 2022

PREPARED BY :

THE ADMINISTRATION DEPARTMENT

GIVING WATER ANOTHER CHANCE

VSD

VALLEY SANITARY DISTRICT

Annual Comprehensive Financial Report

Year ended June 30, 2022

TABLE OF CONTENTS

INTRODUCTION

INTRODUCTORY SECTION
(UNAUDITED)

This page intentionally left blank

VALLEY SANITARY DISTRICT
VSD
45500 Van Buren Street
Indio, CA 92201

November 18, 2022

To: The Board of Directors and District Ratepayers

Subject: Annual Comprehensive Financial Report for the Years Ended June 30, 2022

It is our pleasure to submit the Annual Comprehensive Financial Report (ACFR) for the Valley Sanitary District (District) for the fiscal years ended June 30, 2022. This report was prepared by the District's Administration Department following guidelines recommended by the Governmental Accounting Standards Board (GASB) and in accordance with Generally Accepted Accounting Principles (GAAP). State law requires that all special-purpose local governments publish these basic financial statements within six months of the close of the agency's fiscal year. This report is published to fulfill that requirement and to provide the Board of Directors (Board), the public, and other interested parties these basic financial statements.

Management assumes full responsibility for both the accuracy of the data and the completeness and the fairness of presentation, including all disclosures in this financial report. To ensure completeness and reliability of the information contained in this report, management uses established internal controls that have been adopted for effectiveness, reliability, and compliance. These controls are designed to protect the District's assets from loss, theft, or misuse, and to ensure sufficiently reliable information for the preparation of the District's basic financial statements in conformity with GAAP. As management, we assert that this financial report is complete and reliable in all material respects.

The District's basic financial statements have been audited by Davis Farr, LLP, a firm of licensed certified public accountants. The independent firm audited the accompanying financial statements of the business-type activities and the fiduciary fund of the District, as of and for the year ended June 30, 2022, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents. The audit was conducted in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. The independent auditor rendered an unmodified opinion that the District's basic financial statements for the fiscal year ended June 30, 2022, are fairly presented, in conformity with GAAP. The independent auditor's report is presented as the first component of the financial section of this report.

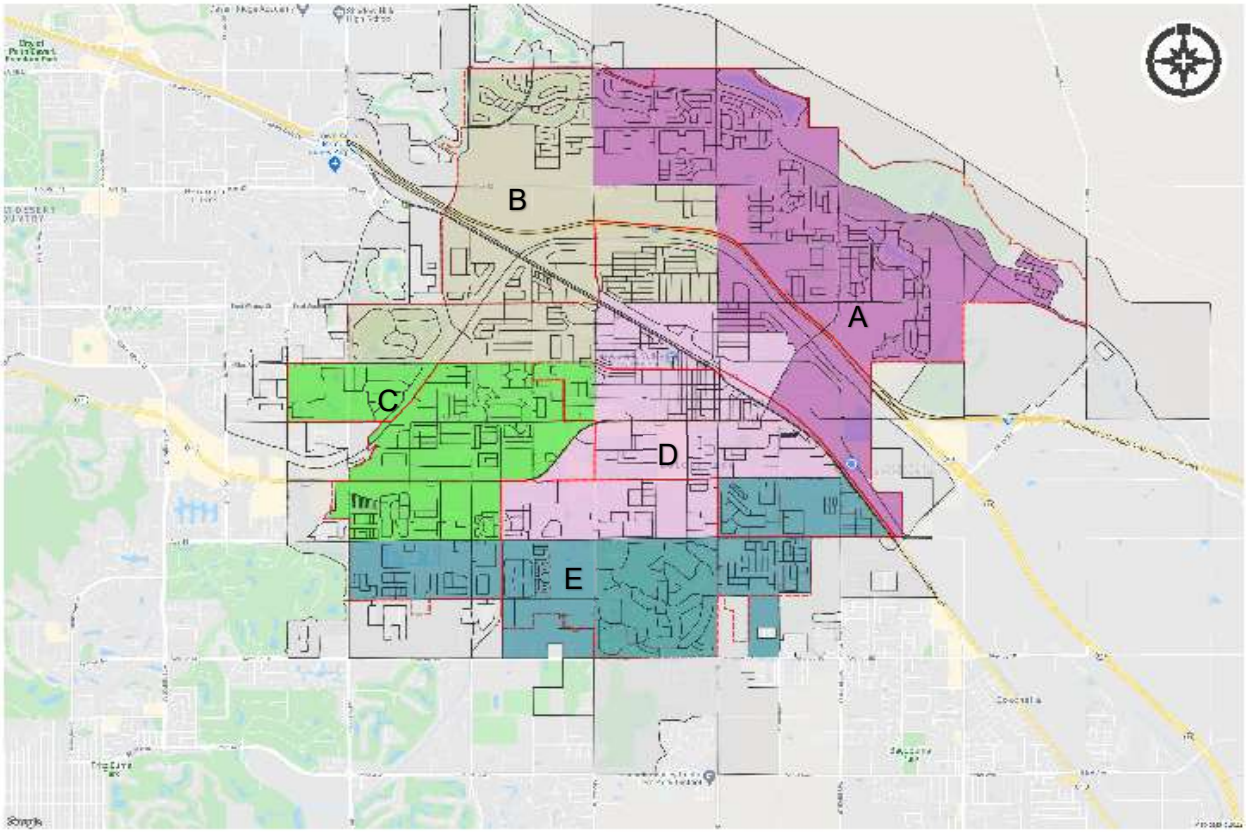
Generally Accepted Accounting Principles (GAAP) requires that management provide a narrative introduction, overview, and analysis to accompany the financial statements in the form of the Management's Discussion and Analysis (MD&A) section. This letter of transmittal is designed to complement the MD&A and should be read in conjunction with the MD&A. The District's MD&A can be found immediately after the Independent Auditors' Report and provides an overview and analysis of the basic financial statements.

District Structure and Leadership

Mission Statement
Valley Sanitary District serves and benefits Indio and the surrounding communities by collecting, treating, and recycling wastewater to ensure a healthy environment and sustainable water supply.

District Governance
Valley Sanitary District is a California special district, which operates under the authority of the Health and Safety Code, Sanitary District Act of 1923, § 6400 et seq. The District was formed June 1, 1925, and is governed by a five-member Board of Directors. Each Director is elected through a division-based election system. Each Director represents a specific geographic area within the District known as an Election Division.

Option 3



Under California law the Board of Directors establishes and implements policies for the operation of the District. The Board of Directors establishes goals and objectives, manages sound fiscal policy and control, sets rates and fees, approves the annual operating and capital budget, approves capital improvement plans, maintains strong communication between the Board of Directors and the General Manager, and advocates for the District. The Board of Directors makes decisions to serve the best interests of the community. The District's Board of Directors meet on the second and fourth Tuesday each month. Meetings are publicly noticed, and citizens are encouraged to attend.

The U.S. Environmental Protection Agency, the California Regional Water Quality Control Board, the California Health Service Department, as well as other regulatory agencies provide the permits and standards that the District must meet to collect, treat, recycle, reuse and dispose of wastewater.

District Services

Valley Sanitary District is in Indio, California located in the eastern desert area of Riverside County. As the largest city in the Coachella Valley, Indio has a population of approximately 89,551. The District provides sanitary sewer services to approximately 28,028 connections within its 19.5 square mile service area. The District encompasses portions of the City of Indio, the City of Coachella, and adjacent unincorporated areas of Riverside County, California. Residential customers represent approximately 97% of the District's customer base and produce an estimated 81% of the sewage flow. The District operates and maintains approximately 254 miles of sanitary sewer line and delivers over 6 million gallons per day of wastewater to its water reclamation facility. The reclamation facility has the capacity to treat 12.5 million gallons per day. The treated wastewater is discharged into the Whitewater Storm Channel and becomes a source of freshwater replenishment to the Salton Sea.

Budget Process

The District's budget conforms to Generally Accepted Accounting Principles as applicable to local governments. While it is an enterprise agency, the accounts of the District are organized and operated on the basis of funds. A fund is an independent fiscal and accounting entity with a self-balancing set of accounts which comprise its assets, liabilities, fund balances, revenues, and expenditures. The District prepares its annual budget on a fund accounting basis, which segregates funds according to their intended purpose and is used to aid management in demonstrating compliance with financial related legal and contractual provisions. The District maintains the minimum number of funds consistent with legal and managerial requirements and reports the following funds in its annual budget:

- Operating Fund: This is the general operating fund of the District and the primary revenue source for this fund is derived from rates charged to customers for services provided. Other receipts that are not allocated by law or contractual agreement to some other funds are also accounted for in this fund. General operating expenditures, fixed charges, and maintenance costs not paid through other funds are paid from this fund.

- Special Revenue Funds: These funds receive support from various sources, mainly in the form of grants, loans and other aid and are restricted to expenditures for particular purposes. Currently, the District has three special revenue funds:

    - 2015 Wastewater Revenue Refunding Bonds
    - State Water Resources Control Board Revolving Fund Loan
    - Bank of America Loan

- Fiduciary Fund: The District reports an Agency Fund that is purely custodial in nature (assets equal liabilities), and thus does not involve measurement of results of operations. This fund is used to account for assets for the Assessment District No. 2004 (Shadow Hills Interceptor) for which the District acts as an agent for its debt service activities.

- Capital Improvement Fund: This fund is unrestricted and used to allocate for capital expenditures for identified projects.

- Restricted CIP Fund: Indicates the current fiscal year resource allocation and amount allocated for capital expenditures for increased capacity-related projects.

Resources are allocated to and accounted for in individual funds based upon the purposes for which they are to be spent and how activities are controlled. The overview of each fund provides a detailed explanation of the purpose of the fund and its planned budget for each fiscal year.

The budget process for the District is a collaborative effort among all departments that is based on sound financial management and longevity. The operating budget focuses on allocating and using resources within the framework of the strategic plan to ensure long term success and development of the District as a whole. The capital budget includes key projects to further advance the District's Capital Improvement Program (CIP) and for capital projects that are necessary to meet regulatory requirements, system reliability, repair, and replacement of District assets.

The District strives to maintain formal policies and procedures that reflect "best practices" for budget development and adjustments. The District uses established budgetary preparation procedures and guidelines, calendar of events, planning models by fund, budget adjustment procedures, establishment of rates and fees, indirect costs, and interest income. The budget is scheduled to allow sufficient review and input by the Board of Directors and constituents. The budget document reflecting all final actions as adopted by the Board of Directors, on or before June 30th of each year, is made available within 30 days of such adoption in both hard copy at the District office and on the District's web site.

Budgetary Control
The Board of Directors annually adopt an operating and capital budget prior to the new fiscal year. The budget authorizes and provides the basis for reporting and control of financial operations and accountability for the District's enterprise and capital projects. The budget and reporting treatment applied to the District is consistent with the accrual basis of accounting and the financial statement basis.

If actual costs are expected to be higher than what was budgeted, these options are available within the requirements of existing policies:

1. Cancel the project or reduce the scope of the project.
2. Transfer funds from another project with lower priority or excess funds available.
3. Appropriate funds from reserves, with Board approval.
4. Re-budget the project, with additional funding, in the following fiscal year.
5. Board approval is required for any new projects added during the fiscal year.

Internal Control Structure
District management is responsible for the establishment and maintenance of the internal control structure that ensures the assets of the District are protected from loss, theft, or misuse. The internal control structure also ensures adequate accounting data is compiled to allow for the preparation of financial statements in conformity with GAAP. The District's internal control structure is designed to provide reasonable assurance that these objectives are met. The concept of reasonable assurance recognizes that (1) the cost of the control should not exceed the benefits likely to be derived, and (2) the valuation of costs and benefits requires estimates and judgments by management.

Economic Condition and Outlook
The economy in Indio, unincorporated Riverside County, and Coachella improved after the initial challenges faced during the COVID-19 pandemic. According to the Coachella Valley

Economic Partnership's 2022 Greater Palm Springs Economic Report, employment in six of the nine cities improved to almost pre-pandemic peak levels from February 2020 to March 2022 and employment in the remaining three cities (Cathedral City, Desert Hot Springs, and Indio), employment showed a net gain[1]. With most of the pandemic restrictions removed or significantly loosened by March 2022, critical events like Coachella Valley Music and Arts Festival and Stagecoach country music festival returned and brought much-needed employment in the Leisure, Hospitality, and Retail Trade sectors.

Of the nine cities, only Coachella had an unemployment rate higher than 6% as of February 2022. Indio's unemployment rate was just under 5% and was the third highest of the nine cities. This continues to present a challenge to the pandemic recovery efforts. For the District, this poses a challenge in balancing the need for rate increases to fund critical infrastructure while remaining sensitive to the economic situation of many of its residential ratepayers and businesses.

Home sales was another area of significant economic growth in Coachella Valley during 2020-21. According to the California Desert Association of Realtors and the Greater Palm Springs Realtors, the home sales average price per square foot for detached homes increased from $269 in 2020 to $381 in 2021 with the average home sales average price increasing from $680,953 to $823,246.

Housing permits reached an all-time high in 2004 and then plummeted in 2007 with a low in 2011. In recent years, these permits were increasing at a slow but steady pace, even during the pandemic. Increases in housing and commercial permits were accounted for in the estimated annual growth that was the basis of the 2013 Reclamation Plant expansion. There is still significant capacity for continued growth for many years.

The City of Indio has continued to see an increase in home building, and new shopping centers have opened, and more are schedule to open within the coming fiscal year. The College of the Desert Indio Campus Expansion, which will more than double capacity, achieved a milestone with its groundbreaking ceremony on March 14, 2022. The expected completion is scheduled for the 2024 school year.

There is also progress regarding the remodel and redesign of the Indio Fashion Mall into the Indio Market Place. The new Indio Market Place will feature reimagined community shopping, dining, entertainment, hotels, and apartment housing. This could be a catalyst for further economic stimulus in this area of the District's service area.

In summary the City of Indio is taking full advantage of the opportunities to rebuild and implement strategic planning to actualize its goals. These initiatives benefit the District because it encourages residential and commercial development within the service area, which in turn leads to an increase in sewer connections. The District, like the City of Indio, will build on the current momentum to take full advantage of the opportunities and realize goals through strategic planning.

Major Initiatives

During Fiscal Year 2021-2022, the District completed or initiated several significant projects:

- **Collections System Rehabilitation & Replacement Program** – The District operates and maintains approximately 254 miles of sanitary sewer line and delivers over six million gallons per day of wastewater to its wastewater reclamation facility. To keep up with an aging and expanding infrastructure, the District is working with Harris & Associates to develop a $60 million, 12-year rehabilitation and replacement

program. The District has completed the design for the first sewer main rehabilitation project consisting of Cured In Place Pipe (CIPP) lining and manhole rehabilitation along Indio Boulevard from Highway 111 to Dr. Carreon Boulevard. The District expects to go out to bid on the project in Fall 2022 and begin construction in early 2023.

- **Westward Ho Sewer Siphon Replacement Project** – A new sewer siphon crossing the Coachella Stormwater Channel at Westward Ho Drive is in the design phase after being damaged by flooding that occurred on February 14, 2019. The District is working with Carollo Engineers to complete the final design and obtain the estimated construction cost to begin the bidding process for a qualified contractor. A significant portion of the estimated project cost of $5.2 million will be reimbursed by Federal Emergency Management Agency (FEMA) disaster recovery funds through the California Office of Emergency Management.

- **Reclaimed Water Project, Phase 1** – This $73 million project will replace an aging and capacity-restricting infrastructure and provide redundancy by: adding a second digester and expanding the bar screens, add a biofilter and a sludge holding tank, and providing a sludge thickener building. Schneider Electric and Stantec were selected as the design-build partners for this project. The design should be completed by the end of 2022 with construction commencing in early 2023. The project is funded through a 20-year loan through the Banc of America Public Capital Corp.

- **Influent Pump Station Rehabilitation Project** – Stantec is assisting the District as an Owner's Representative for the rehabilitation of the influent pump station structure, which is showing significant signs of deterioration. DCI and Dudek have been selected as the design-build team for this project. The project budget is $3 million. Installation of the replacement equipment is scheduled for November 2022.

- **New Training & Office Building Project** – The District identified a need for new space for offices for District personnel as well as an area for training, meetings, and events. The District selected SGH Architects for the initial design of the new building which includes a schematic layout of the building and the estimated construction cost. Due to lack of funding (approximately $3 million), the project has been deferred to Fiscal Year 2023-24.

- **New Laboratory Building Project** – The District has identified a need for a new laboratory to comply with new regulatory standards. The District selected SGH Architects for the initial design of the new building which includes a schematic layout of the building and the estimated construction cost. Due to lack of funding (approximately $3 million), the project has been deferred to Fiscal Year 2023-24.

- **Steel Water Line Replacement Project** – The above ground, steel waterline adjacent to the aeration basins is old and prone to leaks, especially at the grooved joints, and has exceeded its useful life. The new steel waterline will have traditional joints that will provide a longer life. This project has been in the CIP for several years but was identified as a lower priority due to fewer leaks and the difficult nature of replacement. The project was awarded to Dudek, and the development of the project design and specifications have begun.

Sewer Rates and District Revenues

The District receives revenue from limited sources, the Sewer Use Charge (SUC) being the primary source of both operating and capital improvement revenue. In fiscal year 2020/21 the District hired an independent consultant to complete a Comprehensive Wastewater Rate Study. The study addressed three key issues.

- Development of net revenue requirements from FY22 to FY41
- Establishing and maintaining reserve funds and targets
- Funding the Capital Improvement Program (CIP)

The findings of the completed study showed a significant funding shortfall in coming years if no adjustment to rates is implemented. Without the additional revenue, the District would not be able to maintain operating service levels, fund critical, high-risk projects identified in the 20-Year District-Wide Master Plan, and meet debt service requirements. The proposed rates are needed. In addition to using the additional SUC revenue, the District plans to finance $165 million through various loan programs to bridge the gap.

The public had several opportunities to comment on the proposed rate increases, after which the Board approved the SUC effective July 1, 2021.

Proposed Annual Sewer Rate Schedule Starting July 1, 2021 through June 30, 2026

Annual Sewer Rate Schedule Programa Annual de Tarifas de Alcantarillado	Current Ahora	July 1, 2021	July 1, 2022	July 1, 2023	July 1, 2024	July 1, 2025
Fixed Service Charge (Cargo Por Servicio Fijo)						
	Per EDU	Rates per EDU (Tarifas por EDU)				
Single Family (Unifamiliar)	$330.00	$ 342.72	$ 385.56	$ 433.76	$ 487.98	$ 497.74
Multi-Family (Multifamilia)	$330.00	$ 150.00	$ 168.75	$ 189.84	$ 213.57	$ 217.84
Mobile Home (Casas Moviles)	$330.00	$ 181.28	$ 203.94	$ 229.43	$ 258.11	$ 263.27
RV Park (Parque RV)	$330.00	$ 141.25	$ 158.91	$ 178.77	$ 201.12	$ 205.14
	Per EDU	Rates per Account (Tarifas por Cuenta)				
Commercial-Low/Med Strength (Baja Resistencia)	$330.00	$ 199.03	$ 223.91	$ 251.90	$ 283.39	$ 289.06
Commercial-High Strength (Alta Resistencia)	$330.00	$ 607.00	$ 682.88	$ 768.24	$ 864.27	$ 881.56
Volumetric Rate (Tasa Volumetrica)						
		$ per hcf average winter water consumption ($ por hcf consumo medio de aqua en invierno)				
Single Family (Unifamiliar)	-	$ 0.98	$ 1.10	$ 1.24	$ 1.40	$ 1.43
Multi-Family (Multifamilia)	-	$ 0.98	$ 1.10	$ 1.24	$ 1.40	$ 1.43
Mobile Home (Casas Moviles)	-	$ 0.98	$ 1.10	$ 1.24	$ 1.40	$ 1.43
		$/hcf annualized water consumption ($/hcf del consume de agua anualizado)				
RV Park (Parque RV)	-	$ 1.10	$ 1.23	$ 1.38	$ 1.55	$ 1.58
Commercial-Low/Med Strength (Baja Resistencia)	-	$ 0.88	$ 0.99	$ 1.11	$ 1.25	$ 1.28
Commercial-High Strength (Alta Resistencia)	-	$ 2.00	$ 2.25	$ 2.53	$ 2.85	$ 2.91

Strategic Plan

The District with the support of the Board of Directors continues to focus its energy and resources towards realizing the goals and objectives identified in the Strategic Plan. The following six goals that support the District's mission, vision, and values.

Goal 1: Fully Staffed with a Highly Trained and Motivated Team
Goal 2: Increase Recycling, Reuse, and Sustainability
Goal 3: Excellent Facilities
Goal 4: Increase Community Understanding and Support
Goal 5: Long-Term Financial Strength

Goal 6: Improve Planning, Administration and Governance

Challenges Facing the District
The District is not immune to increasing costs in key areas such as utility rates, aging infrastructure and replacement needs, mandatory retirement benefit contributions, health care premiums, post-employment benefits, and regulatory changes. The District has addressed these challenges through implementation of efficiency methods, installation of a 1 Mega Watt solar power system, and replacement of high-energy use equipment with more efficient equipment.

The District's biggest challenge is addressing its aging infrastructure and proactive preparation for changing regulatory requirements. The 20-Year Master Plan indicates a need for over $260 million in improvements and replacement of assets. The District's rate analysis reflects that the District will need to borrow approximately $165 million with a 30-year repayment schedule for each loan at a 2.5% interest rate.

The District continues to look for other revenue sources, such as grants and partnerships with private companies, to offset the cost of both operations and capital improvements.

Financial Stability
The key to financial stability is the ability to successfully maintain services and functions, efficiently manage expenses, and with stand and adapt to external changes. In Fiscal Year 2021-22, the COVID-19 pandemic continued to affect the economy at a national and global level. Businesses, schools, entertainment venues, and other services deemed non-essential were forced to close as public health policies were enforced to reduce the spread of the virus.

The District acknowledges that the current economic atmosphere has higher levels of uncertainty than years passed. However, it has a long history of sound financial management and planning. The financial stability of the District is stable despite the external economic stressors the pandemic has created. As previously mentioned, the District is not without challenges including increases in costs of supplies, services, premiums, and CIP rehabilitation, replacement, and expansion. Fiscal Year 2021-22 was a year of planning and strategy to ensure the continuity and success of the organization.

Awards and Recognition
During the past year, the District received the following awards:

- California Society of Municipal Finance Officers – Operating Budget: Meritorious Award
- California Water Environmental Association (CWEA) Colorado River Basin Section – Pretreatment, Pollution Prevention & Stormwater Person of the Year: Ivan Monroy
- California Water Environmental Association (CWEA) Colorado River Basin Section – Community Engagement & Outreach Project of the Year
- Government Finance Officers Association (GFOA) – Excellence in Financial Reporting
- Government Finance Officers Association (GFOA) – Distinguished Budget Presentation Award
- National Association of Clean Water Agencies – Peak Performance Silver Award

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to Valley Sanitary District for its Comprehensive Annual Financial Report for the fiscal year ended June 30, 2021. This was the 10th consecutive year that the District received this prestigious award. To award

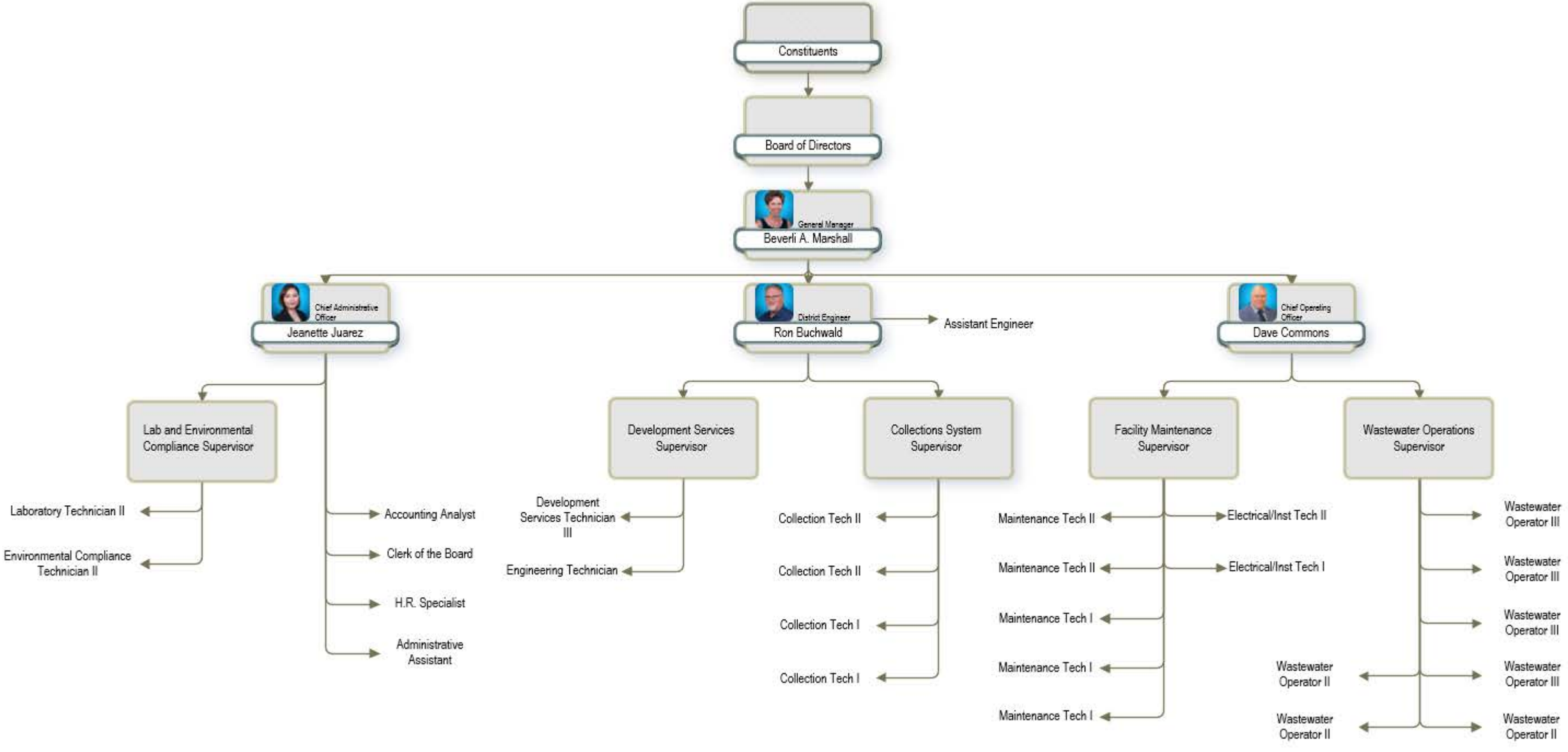
a Certificate of Achievement, a government must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both Generally Accepted Accounting Principles (GAAP) and applicable legal requirements.

Acknowledgements

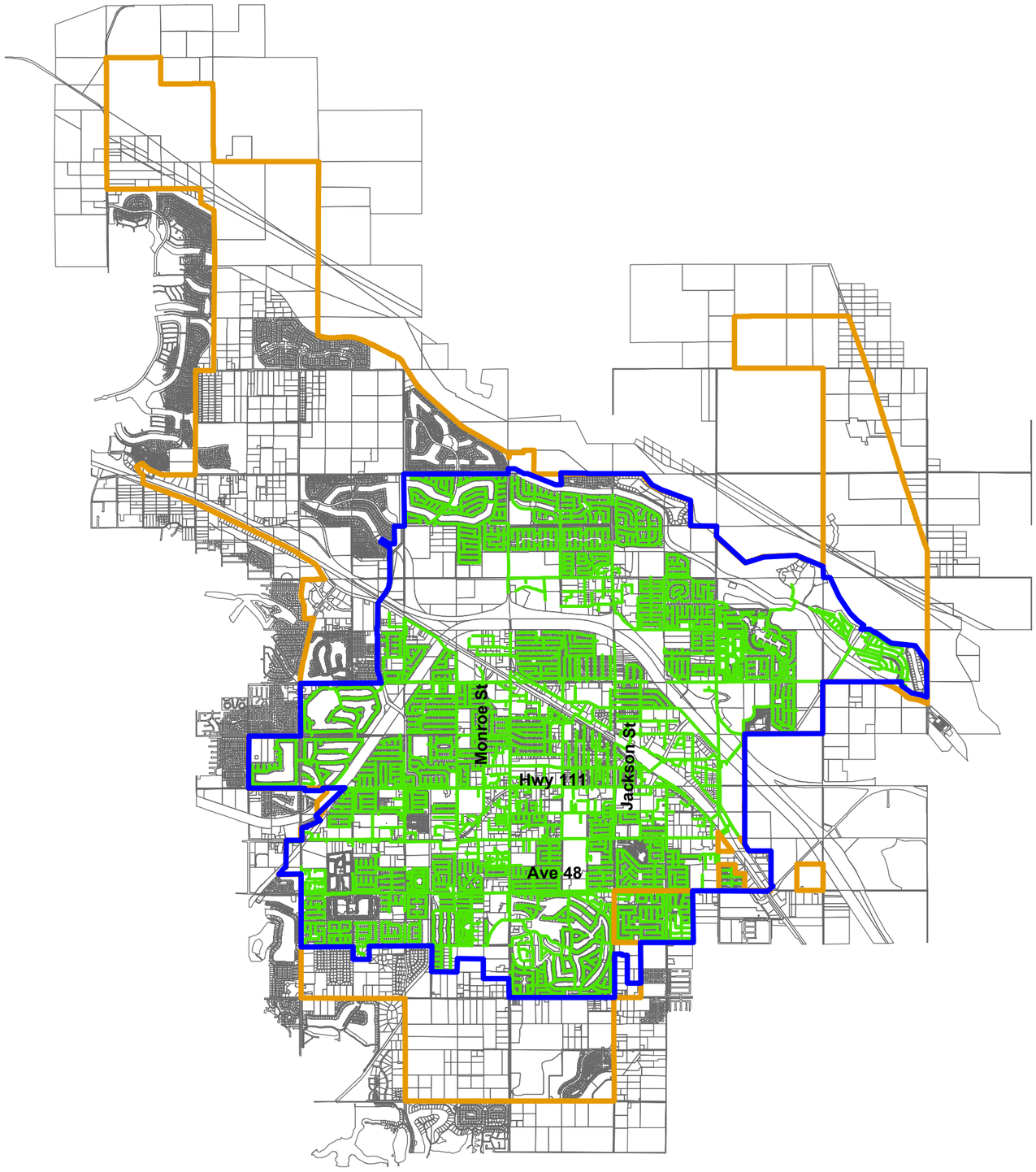
Preparation of this report was accomplished by the combined efforts of District staff. We appreciate the dedicated efforts and professionalism that our staff members bring to the District. We would like to thank the members of the Board of Directors for their continued support in the planning and implementation of the District's fiscal policies.

Respectfully submitted,

Dr. Beverli A. Marshall, ICMA-CM, CSDM
General Manager


Constituents
Board of Directors
General Manager
Beverli A. Marshall
Chief Administrative Officer
Jeanette Juarez
District Engineer
Ron Buchwald
Assistant Engineer
Chief Operating Officer
Dave Commons
Lab and Environmental Compliance Supervisor
Laboratory Technician II
Environmental Compliance Technician II
Accounting Analyst
Clerk of the Board
H.R. Specialist
Administrative Assistant
Development Services Supervisor
Development Services Technician III
Engineering Technician
Collections System Supervisor
Collection Tech II
Collection Tech II
Collection Tech I
Collection Tech I
Facility Maintenance Supervisor
Maintenance Tech II
Maintenance Tech II
Maintenance Tech I
Maintenance Tech I
Maintenance Tech I
Electrical/Inst Tech II
Electrical/Inst Tech I
Wastewater Operations Supervisor
Wastewater Operator II
Wastewater Operator II
Wastewater Operator III
Wastewater Operator III
Wastewater Operator III
Wastewater Operator III
Wastewater Operator II

VSD



Valley Sanitary District Boundary Map

Legend

- VSD Boundary
- Indio Limits
- Sewer Pipe

VALLEY SANITARY DISTRICT

ANNUAL COMPREHENSIVE FINANCIAL REPORT

FISCAL YEAR END JUNE 30, 2022

BOARD OF DIRECTORS

Scott Sear
Board President

Debra Canero
Board Vice President

Dennis Coleman
Secretary/Treasurer

Mike Duran
Director

William Teague
Director

Mission Statement

Valley Sanitary District serves and benefits Indio and the surrounding communities by collecting, treating, and recycling wastewater to ensure a healthy environment and sustainable water supply.

VALLEY SANITARY DISTRICT

ANNUAL COMPREHENSIVE FINANCIAL REPORT

FISCAL YEAR END JUNE 30, 2022

SENIOR ADMINISTRATION

Beverli Marshall
General Manager

Jeanette Juarez
Chief Administrative Officer

Ron Buchwald
District Engineer

Dave Commons
Chief Operating Officer

Contact Us

45500 Van Buren St Indio, CA 92201

(760) 238-5400

www.valley-sanitary.org

Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Valley Sanitary District
California

For its Annual Comprehensive
Financial Report
For the Fiscal Year Ended

June 30, 2021

Christopher P. Morrill

Executive Director/CEO

FINANCIAL SECTION

Financial Section

This page intentionally left blank

DavisFarr
CERTIFIED PUBLIC ACCOUNTANTS

Davis Farr LLP
18201 Von Karman Avenue | Suite 1100 | Irvine, CA 92612
Main: 949.474.2020 | Fax: 949.263.5520

Independent Auditor's Report

Board of Directors
Valley Sanitary District
Indio, California

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of the business-type activities and the aggregate remaining fund information of Valley Sanitary District (the "District"), as of and for the year June 30, 2022, and the related notes to the financial statements, which collectively comprise the District's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements present fairly, in all material respects, the respective financial position of the business-type activities and the aggregate remaining fund information of the District, as of June 30, 2022, and the respective changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the District and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Financial Statements

The District's management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the District's ability to continue as a going concern for one year after the date that the financial statements are issued.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance

but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the District's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control–related matters that we identified during the audit.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the *Management's Discussion and Analysis* and *Pension and Other Post Employment Benefit Schedules* be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Report on Summarized Comparative Information

We have previously audited the District's June 30, 2021 financial statements, and we expressed an unmodified audit opinion on those audited financial statements in our report dated October 29, 2021. In our opinion, the summarized comparative information presented

herein as of and for the year ended June 30, 2022 is consistent, in all material respects, with the audited financial statements from which it has been derived.

Supplementary Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the District's basic financial statements. The *Schedule of Operating Expenses* are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The *Schedule of Operating Expenses* is the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures, in accordance with auditing standards generally accepted in the United States of America. In our opinion, the *Schedule of Operating Expenses* is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Information

Management is responsible for the other information included in the Annual Comprehensive Financial Report. The other information comprises the *introductory section* and *statistical section* but does not include the financial statements and our auditor's report thereon. Our opinions on the financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon. In connection with our audit of the financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated November 17, 2022 on our consideration of the District's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the District's internal control over financial reporting and compliance.

Davis Farr LLP

Irvine, California
November 17, 2022

This page intentionally left blank

The management of the Valley Sanitary District (District) presents the District's financial statements with a narrative overview and analysis of the financial activities for the fiscal year ending June 30, 2022. Readers are encouraged to consider the information presented here in conjunction with the basic financial statements and notes to the basic financial statements.

Financial Highlights

- The assets and deferred outflows of resources of the District exceeded its liabilities and deferred inflows of resources by $112.5 million for the year ended June 30, 2022. Of this amount, $50.2 million is unrestricted and may be used to meet the District's ongoing obligations to citizens and creditors.

- The District's total net position increased $9.4 million or 9.2% for the year ended June 30, 2022, from $103.0 million to $112.5 million. The variance is primarily due to an increase in sewer service revenue. In the fiscal year 2020/21, after properly conducting a noticed public and as allowed by Proposition 218 the District adopted a rate increase schedule that will continue through the fiscal year 2025/26. The rate increase will fund capital improvement projects, repairs, and rehabilitation of the District's collection and system infrastructure and equipment. It will also fund the Recycle Water Project Phase I for indirect reuse to replenish the Coachella Valley aquifer.

- Current assets increased by $77.9 million or 136.2%. The variance for the year ended June 30, 2022 is due to an increase in cash and investments of $71.0M in an escrow account for the Banc of America loan for the Recycled Water Project Phase I. In the fiscal year 2021/22 there was an increase in $6.9 million collected for annual sewer fees and permits. The increase is attributed to the rate increase for the fiscal year 2021/22 and connection fees for two (2) new apartment developments.

- Noncurrent assets decreased by $7.7 million or 11.8% as of June 30, 2022. The variance is attributed to the addition of capital assets such as the steel waterline replacement, sewer main rehabilitation, and a Backhoe loader. There are also new projects that are in construction in progress such as the Recycled Water Project Phase I and the Collection System Repairs / Rehab / Replace Program construction.

- The District's total liabilities increased $75.2 million or 358.2%. The increase in liabilities is attributed to a loan through Banc of America Co for the Recycled Water Project Phase 1. The Reclaimed Water Project – Phase 1 will replace an aging and capacity-restricting grit chamber and provide redundancy by adding a second digester and expanding the bar screens. This project will also include adding a sludge thickener unit. This project is necessary to meet anticipated regulatory requirements, tertiary treatment, and recycled water production. The total amount of the loan funded was $71,000,000 at an interest rate of 2.75%. The District will make installment payments commencing December 1, 2022, and scheduled to end June 1, 2042.

Overview of the Financial Statements

This discussion and analysis serve as an introduction to the District's financial statements. The District's financial statements comprise of two components: 1) fund financial statements and 2) notes to the basic financial statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

The *statement of net position* presents information on all of the District's assets and liabilities, with the difference between the two reported as *net position*. Over time, increases or decreases in *net*

position may serve as a useful indicator of whether the financial position of the District is improving or deteriorating.

The *statement of revenues, expenses, and changes in net position* presents information showing how the District's net position changed during the most recent fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, *regardless of the timing of related cash flows*. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g., earned but unused vacation leave).

The business-type activity for the District is the provision of sanitary services to the community.

Fund Financial Statements. A *fund* is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The District, like other state and local governments, uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. The various funds are presented in the accompanying financial statements as a proprietary fund category, enterprise fund type.

Fiduciary Funds. Fiduciary funds, which consist solely of trust and agency funds, are used to account for resources held for the benefit of parties outside the District. Fiduciary funds are *not* reflected in the *statement of net position* or the *statement of revenue, expenses, and changes in net position* because the resources of the funds are *not* available to support the District's own programs. Fiduciary funds are custodial in nature and, therefore, the accounting used does not involve the measurement of the results of operations. The fiduciary fund financial statement can be found on page 22 of this report.

Notes to the Financial Statements. The notes provide additional information that is essential to a full understanding of the data provided in the fund financial statements. The notes to the financial statements can be found on pages 24-45 of this report.

Required Supplementary Information. The Schedule of the District's Proportionate Share of the Net Pension Liability and Related Ratios are presented as required supplementary information and can be found starting on page 47 of this report.

Supplementary Information. The Schedule of Operating Expenses presents the functional expenses by activity and is presented as supplementary information beginning on page 54 of this report.

Financial Analysis

As noted earlier, net position may serve over time as a useful indicator of a government's financial position. In the case of the District, assets and deferred outflows of resources exceeded liabilities and deferred inflows of resources by $112.5 million for the year ended June 30, 2022.

The largest portion of the District's net position during June 30, 2022, 51.0%, reflects its investment in capital assets (e.g., land, buildings, machinery, and equipment); less any related debt used to acquire those assets that is still outstanding. The District uses these capital assets to provide services to citizens; consequently, these assets are not available for future spending. Although the District's investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities.

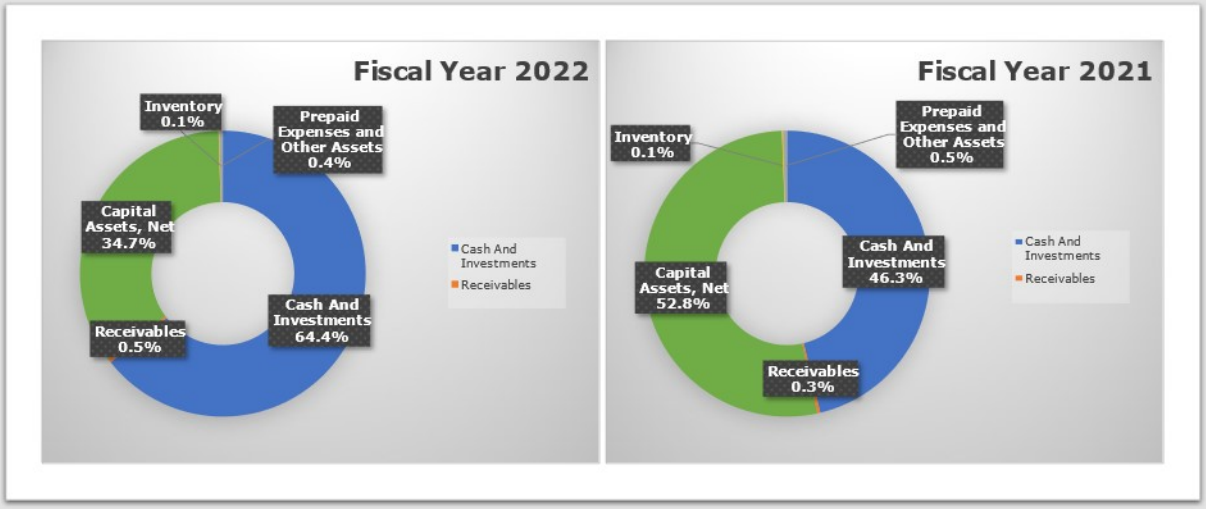
DISTRICT'S NET POSITION

At the end of the year ending June 30, 2022, the District can report positive balances in all three (3) categories of net position. The same situation held true for the prior fiscal year.

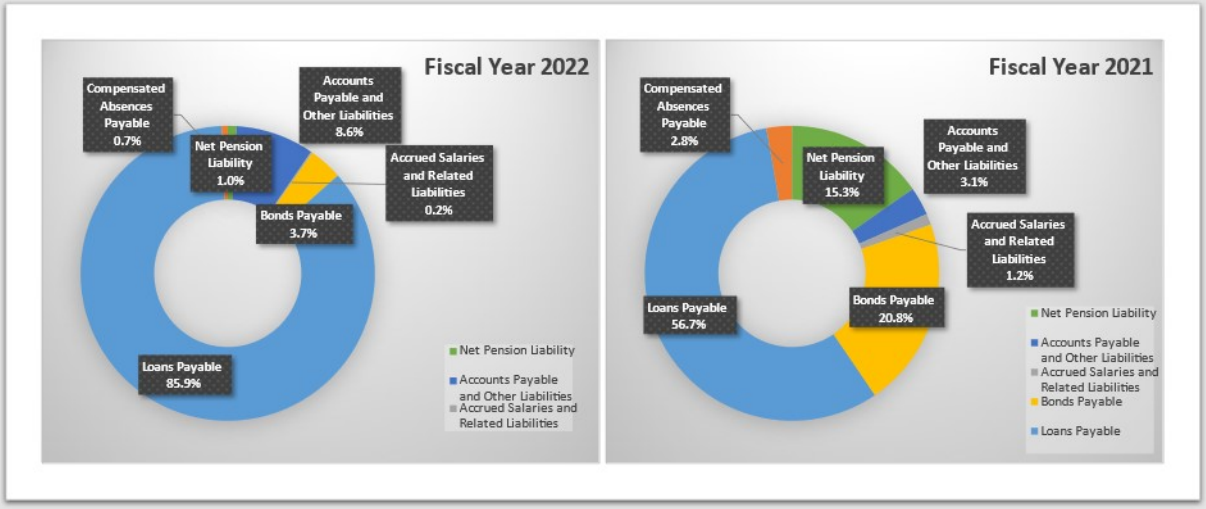
Table I
Valley Sanitary District
Condensed Statement of Net Position
As of June 30, 2022

	2022	2021
Current Assets	$ 135,673,353	$ 57,706,134
Capital Assets	72,268,413	64,822,313
Noncurrent Assets	411,928	186,928
Total Assets	208,353,694	122,715,375
Deferred Outflows of Resources	1,149,809	1,560,230
Current Liabilities	10,973,591	2,337,483
Noncurrent Liabilities	85,170,189	18,643,576
Total Liabilities	96,143,780	20,981,059
Deferred Inflows of Resources	884,243	252,391
Net Position:		
Net Investment in Capital Assets	57,312,137	48,752,135
Restricted	4,963,830	2,005,722
Unrestricted	50,199,513	52,284,298
Total Net Position	$ 112,475,480	$ 103,042,155

District Assets



District Liabilities



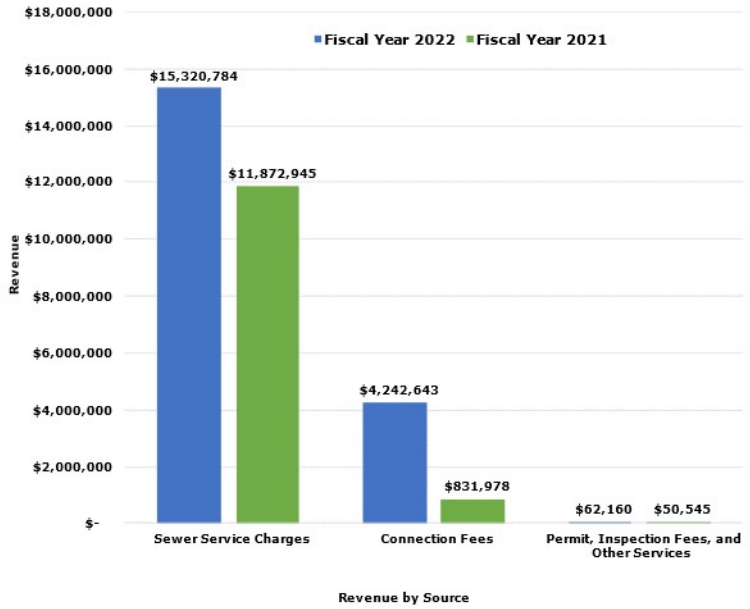
Changes in the District's net position reflect an increase of $9.4 million or 9.2% for the year ended June 30, 2022. The District's total revenues increased during the fiscal year 2021/22 by $6.9 million or 53.9%. The variance is primarily due to an increase in sewer service revenue and connection fees for new developments. In the fiscal year 2021/22, after properly conducting a noticed public and as allowed by Proposition 218 the District adopted a rate increase schedule that will continue through the fiscal year 2025/26. The rate increase will fund capital improvement projects, repairs, and rehabilitation of the District's collection and system infrastructure and equipment. It will also fund the Recycle Water Project Phase I for indirect reuse to replenish the Coachella Valley aquifer.

DISTRICT'S CHANGES IN FUND NET POSITION

Table II
Valley Sanitary District
Condensed Statement of Revenues, Expenses, and Changes in Fund Net Position
As of June 30, 2022

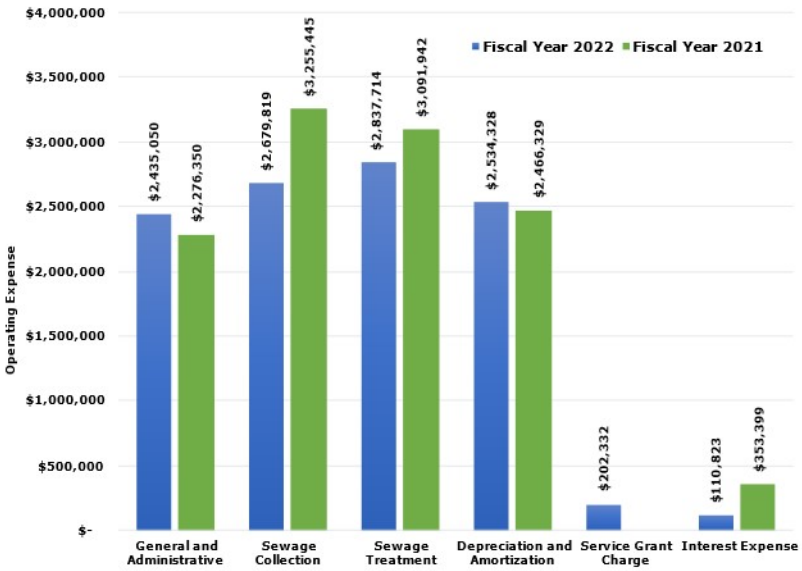
	2022	2021
Revenues:		
Sewer Service Charges	$ 15,320,784	$ 11,872,945
Connection Fees	4,242,643	831,978
Permits & Inspections	44,130	37,270
Other Operating	18,030	13,275
Nonoperating	405,472	1,061,964
Total Revenues	$ 20,031,059	$ 13,817,432
Expenses:		
Depreciation & Nonoperating	$ 2,645,151	$ 2,819,728
Administrative	2,435,050	2,276,350
Sewage Collection	2,679,819	3,255,445
Sewage Treatment	2,837,714	3,091,942
Total Expenses	$ 10,597,734	$ 11,443,465
Increase In Net Position	$ 9,433,325	$ 2,373,967
Beginning Net Position, (As Restated) (Note 14)	103,042,155	100,668,188
Ending Net Position	$ 112,475,480	$103,042,155

Operating Revenues Fiscal Year 2022 vs 2021



Revenue by Source

Operating Expenses Fiscal Year 2022 vs 2021



Operating Expense by Source

Capital Asset Administration

The District's capital assets (net of accumulated depreciation) as of June 30, 2022 were $72.3 million. This includes land, buildings, system improvements, machinery, and equipment. The increase is attributed to the addition of capital assets such as the steel waterline replacement, sewer main rehabilitation, and a Backhoe loader. There are also new projects that are in construction in progress such as the Recycled Water Project Phase I and the Collection System Repairs / Rehab / Replace Program construction.

Major capital asset events during the current fiscal year included the following:

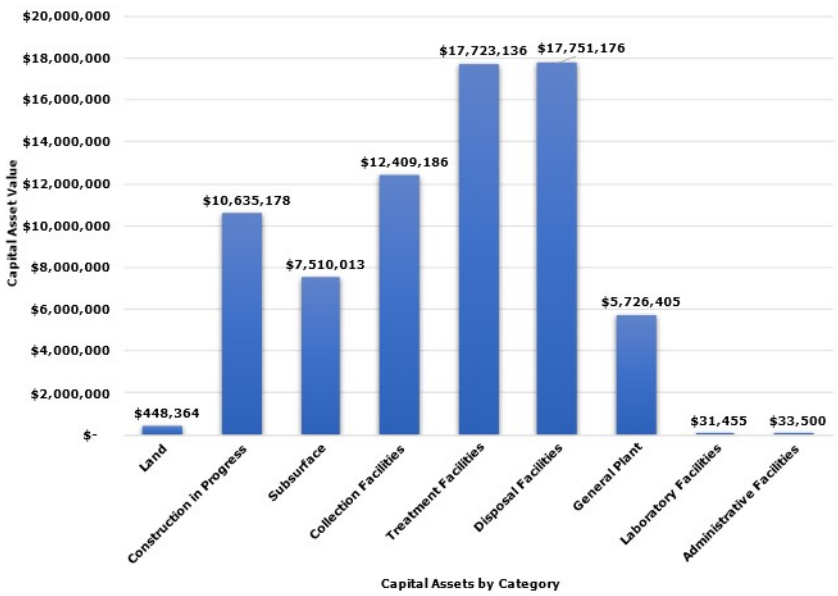
- **Sewer Main Rehabilitation September 2021**
- **Purchase of a Backhoe Loader April 2022**
- **Steel Waterline Replacement June 2022**
- **Recycled Water Project Phase I May 2022**

DISTRICT'S CAPITAL ASSETS

Table III
Valley Sanitary District
Capital Assets Net of Accumulated Depreciation
As of June 30, 2022

	June 30, 2022	June 30, 2021
Land	$ 448,364	$ 448,364
Construction in progress	10,635,178	1,772,945
Subsurface	7,510,013	7,641,080
Collection facilities	12,409,186	12,780,232
Treatment facilities	17,723,136	17,953,779
Disposal facilities	17,751,176	18,343,929
General plant	5,726,405	5,796,806
Laboratory facilities	31,455	23,047
Admin facilities	33,500	62,131
Total	$ 72,268,413	$ 64,822,313

Capital Assets Net of Accumulated Depreciation Fiscal Year 2022



Additional information on the District's capital assets can be found on page 32, Note 5, of this report.

Long-term Debt Administration

At the end of June 30, 2022, the District had total long-term debt of $86.2 million.

The Certificates of Participation (COPs) was debt incurred to help fund Phase I of the District's Treatment Plant Expansion and Renovation in 2006. On June 18, 2015, the District issued Wastewater Revenue Refunding Bonds, Series 2015 in the amount of $7,540,000, refinancing the COPs and reducing payments by approximately $1,596,780 over the term of the certificates which runs through 2026. Repayment of the debt is funded through sewer use fees of the District.

The District received a Clean Water State Revolving Fund (CWSRF) loan in May 2018 for $12.9 million to construct the Requa Avenue Sewer Interceptor Project. The $12.9 million loan for 30 years at 1.7% interest results in an estimated payment of $553,360 annually. The first payment will be due one (1) year after the completion date of the Requa Avenue Sewer Interceptor Project, and payable thereafter on June 1st, per the 2015 Wastewater Refunding Revenue Bonds parity requirements. A restricted reserve fund has also been established, equal to one (1) year's debt service, prior to the construction completion date of the project and shall be maintained for the full term of the Agreement.

The District executed the installment sale agreement in May of 2022 with Banc of America Capital Corp for the Recycled Water Project Phase 1. The Reclaimed Water Project – Phase 1 will replace an aging and capacity restricting grit chamber and provide redundancy by adding a second digester and

expanding the bar screens. This project will also include adding a sludge thickener unit. This project is necessary to meet anticipated regulatory requirements, tertiary treatment, and recycled water production. The total amount of the loan funded was $71,000,000 at an interest rate of 2.75%. The District will make installment payments commencing December 1, 2022, and scheduled to end June 1, 2042.

DISTRICT'S OUTSTANDING DEBT

Table IV
Valley Sanitary District
Outstanding Debt
As of June 30, 2022

	2022	2021
Revenue refunding bond	$ 3,165,000	$ 3,880,000
Bond premium	494,185	293,161
Banc of America Co	71,000,000	-
CWSRF loan	11,550,856	11,901,885
Total	$ 86,210,041	$ 16,075,046

Additional information on the District's long-term debt can be found on page 33, Note 8, of this report.

Economic Factors and Next Year's Budget

In the fiscal year 2021/22, the District concentrated on slow and steady growth and progress. The District's new rate structure for the Sewer Use Charge (SUC) was implemented on July 1, 2021, and will continue through June 30, 2026. In the fiscal year 2022/23 the District is projecting an increase of 12.5% or $1.9M due to the rate increase. The additional revenues are needed to maintain operating service levels, fund critical high-risk projects identified in the 20-Year District-Wide Master Plan and meet debt service requirements. In addition to using the additional SUC revenue, the District plans to finance $165 million through various loan programs to bridge the gap. The District has already commenced its financing initiatives by successfully closing a $71 million dollar loan through Banc of America Corp for the Recycled Water Project Phase I.

In the fiscal year 2021/22, the District received higher than projected revenues by $3.2 million. The additional revenue was mainly attributed to connection fees from increased development activities. The City of Indio permitted a mixed-use affordable housing development consisting of 184 residential units known as Arroyo Crossing. Phase II of the Arroyo Crossing project has been entitled and is proposing to develop 214 units. Additionally, the City of Indio is continuing with its $40 million renovations to the Indio Marketplace which will include new retail and dining establishments.[1]

The COVID-19 Pandemic created uncertainty in the economy that influenced many agencies to make conservative projections and strategically plan expenditures. The City of Indio was no exception budgeting in Fiscal 2021/22 projecting a deficit of $9.4M.

The fiscal year 2022/2023 financial planning process focused on prioritizing resources and aligning with the core strategic goals. The operating budget for the fiscal year 2022/2023 is $16.2M million and is supplemented with $33.5 million in the capital budget, to produce a total financial program of $49.7 million. This represents an increase of $5.2 million over the fiscal year 2021/2022 operating budget and an increase of $17.6 million over the capital budget. The operating budget encompasses costs such as administrative wages, materials, supplies, insurance premiums, loan repayments, and the overhead costs required to run day-to-day operations. In the fiscal year, 2022/23 operating budget the increases are attributed to $3.3M in debt services, and $736K in CalPERS Unfunded Accrued Liability (UAL). The capital budget increase is attributed to the Recycled Water Project Phase I $17.7 million, this project is funded through the Banc of America Corp loan. The capital budget incorporates key projects to help further advance the District's Capital Improvement Program (CIP) as well as the rehabilitation and replacement of assets that have met their useful life.

Also, as discussed in the letter of transmittal Letter the Board of Directors approved a new rate schedule for the next five (5) years. The new rates are needed to maintain operating service levels, fund critical, high-risk projects identified in the 20-Year District-Wide Master Plan, and to meet debt service requirements. In addition to using the additional Sewer Use Charge (SUC) revenue, the District plans to finance $165 million through various loan programs to bridge the gap.

The executive team along with the Board of Directors were proactive, reviewed, and adjusted resources to maintain essential services. The fiscal year 2022/2023 operating and capital budget will ensure that the District can continue with its mission of serving the City of Indio and the surrounding communities by collecting, treating, and recycling wastewater to ensure a healthy environment and sustainable water supply.

1. Riverside County. (2021). Riverside County. https://rivco4.org/Cities/Indio

Requests for Information

This financial report is designed to provide our customers and creditors with a general overview of the District's finances and to demonstrate the District's accountability for the money it receives. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the General Manager, Valley Sanitary District, 45500 Van Buren Street, Indio, California, 92201, or by calling (760) 238-5400.

Basic Financial Statements

This page intentionally left blank

VALLEY SANITARY DISTRICT
Statement of Net Position
June 30, 2022
(with comparative totals for June 30, 2021)

	2022	2021
Assets		
Current assets:		
Cash and investments (note 3)	$ 134,115,856	56,768,349
Accounts receivable, net (note 4)	870,290	380,348
Interest receivable	105,007	41,538
Inventories of materials	148,905	149,715
Prepaid items	433,295	366,184
Total current assets	135,673,353	57,706,134
Noncurrent assets:		
Capital assets, not being depreciated (note 5)	11,083,542	2,221,309
Capital assets, being depreciated (note 5)	61,184,871	62,601,004
Investment in joint venture (note 6)	411,928	186,928
Total noncurrent assets	72,680,341	65,009,241
Total assets	208,353,694	122,715,375
Deferred outflows of resources		
Deferred loss on refunding, net	164,015	205,892
Deferred outflows of resources related to pensions (note 10)	543,508	891,477
Deferred outflows of resources related to OPEB (note 11)	442,286	462,861
Total deferred outflows of resources	1,149,809	1,560,230
Liabilities		
Current liabilities:		
Accounts payable	7,882,914	637,793
Accrued expenses	384,398	-
Accrued payroll and related liabilities	158,989	255,332
Interest payable	11,391	14,370
Compensated absences, due within one year (note 7)	408,094	363,959
Bonds payable, due within one year (note 8)	850,512	715,000
Loans payable, due within one year (note 8)	1,277,293	351,029
Total current liabilities	10,973,591	2,337,483
Noncurrent liabilities:		
Compensated absences, due in more than one year (note 7)	240,603	219,769
Bonds payable, due in more than one year (note 8)	2,708,161	3,659,185
Loans payable, due in more than one year (note 8)	81,273,563	11,550,856
Net pension liabilities (note 10)	444,605	2,574,246
Net OPEB liabilities (note 11)	503,257	639,520
Total noncurrent liabilities	85,170,189	18,643,576
Total liabilities	96,143,780	20,981,059
Deferred Inflows of Resources		
Deferred inflows of resources related to pensions (note 10)	785,371	250,101
Deferred inflows of resources related to OPEB (note 11)	98,872	2,290
Total deferred inflows of resources	884,243	252,391
Net Position		
Net investment in capital assets	57,312,137	48,752,135
Restricted for debt service	4,963,830	2,005,722
Unrestricted	50,199,513	52,284,298
Total net position	$ 112,475,480	103,042,155

See accompanying notes to the basic financial statements.

VALLEY SANITARY DISTRICT
Statement of Revenues, Expenses, and Changes in Net Position
For the year ended June 30, 2022
(with comparative totals for the year ended June 30, 2021)

	2022	2021
Operating Revenues:		
Sewer service charges	$ 15,320,784	11,872,945
Connection fees	4,242,643	831,978
Permit and inspection fees	44,130	37,270
Other services	18,030	13,275
Total operating revenues	19,625,587	12,755,468
Operating Expenses:		
General and administrative	2,435,050	2,276,350
Sewage collection	2,679,819	3,255,445
Sewage treatment	2,837,714	3,091,942
Depreciation	2,534,328	2,466,329
Total operating expenses	10,486,911	11,090,066
Operating Income	9,138,676	1,665,402
Nonoperating Revenues (Expenses):		
Property taxes	1,125,201	1,018,280
Homeowners' tax relief	6,668	5,669
Investment income (loss)	(606,284)	32,137
Interest expenses	(313,155)	(353,399)
Other revenues	64,311	1,804
Gain on disposal of assets	17,908	4,074
Total nonoperating revenues (expenses)	294,649	708,565
Change in net position	9,433,325	2,373,967
Net Position:		
Beginning of year	103,042,155	100,668,188
End of year	$ 112,475,480	103,042,155

See accompanying notes to the basic financial statements.

VALLEY SANITARY DISTRICT
Statement of Cash Flows
For the year ended June 30, 2022
(with comparative totals for the year ended June 30, 2021)

	2022	2021
Cash flows from operating activities:		
Cash receipts from customers	$ 19,135,645	12,758,701
Cash payments to suppliers and vendors for goods and services	3,667,177	(3,051,104)
Cash payments to employees for services	(5,289,113)	(4,668,969)
Net cash provided by operating activities	17,513,709	5,038,628
Cash flows from noncapital financing activities:		
Property taxes	1,125,201	1,018,280
Homeowners' tax relief	6,668	5,669
Net cash provided by noncapital financing activities	1,131,869	1,023,949
Cash flows from capital and related financing activities:		
Acquisition of capital assets	(9,980,766)	(2,173,055)
Proceeds from sale of assets	18,246	37,089
Principal paid on bonds payable	(715,000)	(685,000)
Interest paid on bonds and loans payable	(374,769)	(414,888)
Principal paid on loans payable	(351,029)	(345,161)
Loan proceeds	71,000,000	-
Net cash (used in) capital and related financing activities	59,596,682	(3,581,015)
Cash flows from investing activities:		
Interest received	(669,753)	168,258
Cash payment to joint venture	(225,000)	(31,928)
Net cash provided by investing activities	(894,753)	136,330
Net increase in cash and cash equivalents	77,347,507	2,617,892
Cash and cash equivalents:		
Beginning of year	56,768,349	54,150,457
End of year	$ 134,115,856	56,768,349

See accompanying notes to the basic financial statements.

VALLEY SANITARY DISTRICT
Statement of Cash Flows (Continued)
For the year ended June 30, 2022
(with comparative totals for the year ended June 30, 2021)

	2022	2021
Reconciliation of operating income to net cash provided by operating activities		
Net operating income	$ 9,138,676	1,665,402
Adjustments to reconcile operating income to net cash provided by operating activities:		
Depreciation	2,534,328	2,466,329
Other nonoperating revenues	64,311	18,017
Changes in operating assets and liabilities:		
Accounts receivable	(489,942)	3,233
Inventories of materials	810	(21,158)
Prepaid items	(67,111)	(4,504)
Pension related deferred outflows of resources	347,969	998,005
OPEB related deferred outflows of resources	20,575	(419,914)
Accounts payable	7,245,121	249,317
Accrued payroll and related liabilities	(96,343)	64,847
Compensated absences	64,969	69,230
Net pension liabilities	(2,129,641)	(198,452)
Net OPEB liabilities	(136,263)	27,888
Pension related deferred inflows of resources	535,270	118,145
OPEB related deferred inflows of resources	96,582	2,243
Net cash provided by operating activities	$ 17,129,311	5,038,628
Noncash items from capital and related financing activities:		
Amortization of deferred loss on refunding	$ 41,877	41,877
Amortization of premium	$ (100,512)	(100,512)

See accompanying notes to the basic financial statements.

VALLEY SANITARY DISTRICT
Statement of Fiduciary Net Position
June 30, 2022

	Custodial Fund
Assets:	
Cash and investments (note 3)	$ 724,417
Cash with fiscal agent (note 3)	618,776
Assessment receivable	2,932
Interest receivable	1,278
Total assets	1,347,403
Net Position	$ 1,347,403

See accompanying notes to the basic financial statements.

VALLEY SANITARY DISTRICT
Statement of Changes in Fiduciary Net Position
June 30, 2022

	Custodial Fund
Additions:	
Special tax assessments	$ 2,858
Administrative fees	12,831
Interest income	18,036
Total additions	33,725
Deductions:	
Interest Expense	5,608
Principal Payments	15,000
Total deductions	20,608
Changes in net position	13,117
Net Position, beginning of year	1,334,286
Net Position, end of year	$ 1,347,403

See accompanying notes to the basic financial statements.

Note 1 – Reporting Entity

Valley Sanitary District (the "District") was formed on June 1, 1925 under the Health and Safety Code, Sanitary District Act of 1923, Section 6400 et. seq., for the purpose of operation and maintenance of sewer collection, transmission and treatment facilities, and serving a population of approximately 89,000 in the City of Indio, portions of the City of Coachella, and adjacent unincorporated areas of the County of Riverside. The District is a municipal corporation governed by a 5-member elected board of directors.

The accompanying financial statements present the District and its component unit, an entity for which the District is considered to be financially accountable. Blended component units are, in substance, part of the primary government's operations, even though they are legally separate entities. Thus, blended component units are appropriately presented as funds of the primary government.

Blended Component Unit

Valley Sanitary District Wastewater Facilities Corporation (the "Corporation") was activated in 2006 by the District. The Corporation was organized pursuant to the Nonprofit Public Benefit Corporation Law of the State of California, being Part 2 of Division 2 of Title 1 of the California Corporation Code. It was formed for the purpose of providing financial assistance to the District by acquiring, constructing, improving and developing certain real and personal property, together with appurtenances and appurtenant work for the use, benefit and enjoyment of the public. The District's Board of Directors sits as the Corporation's Board of Directors. The Corporation's activities are blended with those of the District in these financial statements. There was no activity in the Corporation until the fiscal year 2007-2008. Separate financial statements of the Corporation are not issued.

Note 2 – Summary of Significant Accounting Policies

Basis of Presentation

Financial statement presentation follows the recommendations promulgated by the Governmental Accounting Standards Board ("GASB") commonly referred to as accounting principles generally accepted in the United States of America ("U.S. GAAP"). GASB is the accepted standard-setting body for establishing governmental accounting and financial reporting standards.

Measurement Focus, Basis of Accounting, and Financial Statement Presentation

Business-Type Activities

The Financial Statements (i.e., the statement of net position, the statement of revenues, expenses and changes in net position, and the statement of cash flows) report information on all of the activities of the primary government and its component units. The District accounts for its operations (a) that are financed and operated in a manner similar to private business enterprises – where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, accountability or other purposes.

Note 2 – Summary of Significant Accounting Policies

The Financial Statements are reported using the "economic resources" measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Grants and similar items are recognized as revenue as all eligibility requirements have been met. Interest associated with the current fiscal period is considered to be susceptible to accrual and so has been recognized as revenue of the current fiscal period.

Operating revenues are those revenues that are generated from the primary operations of the District. The District reports a measure of operations by presenting the change in net position from operations as "operating income" in the statement of revenues, expenses, and changes in net position. Operating activities are defined by the District as all activities other than financing and investing activities (interest expense and investment income), grants and subsidies, settlement receivable allowance, and other infrequently occurring transactions of a non-operating nature. Operating expenses are those expenses that are essential to the primary operations of the District. All other expenses are reported as non-operating expenses.

Fiduciary Fund Financial Statements

The District reports a custodial fund. The Custodial Fund is used to account for assets for the Assessment District No. 2004 (Shadow Hills Interceptor) for which the District acts as an agent for its debt service activities.

Cash, Cash Equivalents, and Investments

Cash and cash equivalents include all highly liquid investments with original maturities of 90 days or less and are carried at cost, which approximates fair value. Investments are reported at amortized cost, which approximates fair value. Changes in fair value that occur during the fiscal year are recognized as investment income for that fiscal year.

The District participates in an investment pool managed by the State of California titled Local Agency Investment Fund ("LAIF"), which has invested a portion of the pooled funds in structured notes and asset-backed securities. LAIF's investments are subject to credit risk with the full faith and credit of the State of California collateralizing these investments. In addition, these structured notes and asset-backed securities are subject to market risk and to change in interest rates. The reported value of the pool approximates the fair value of the pool shares. The District also participates in CalTrust Medium Term Fund.

Receivables and Allowance for Doubtful Accounts

Customer accounts receivable consist of amounts owed by private individuals and organizations for services rendered in the regular course of business operations. Receivables are shown net of allowances for doubtful accounts. Uncollectible accounts are based on prior experience and management's assessment of the collectability of existing accounts. As of June 30, 2022, there is no allowance for doubtful accounts.

Inventory of Materials

Inventories consist of expendable supplies, spare parts and fittings and are valued at cost using first-in first-out basis.

Note 2 – Summary of Significant Accounting Policies

Prepaid Items

Payments made to vendors for services that will benefit periods beyond the fiscal year ended are recorded as prepaid items.

Capital Assets

Capital assets are valued at historical cost, or estimated historical cost if actual historical cost was not available. Donated capital assets are valued at acquisition value on the date donated. The District policy has set the capitalization threshold for reporting capital assets at $5,000, all of which must have an estimated useful life in excess of one year. Depreciation is recorded on a straight-line basis over estimated useful lives of the assets as follows:

Subsurface Lines	40 years
General Plant	10-40 years
Machinery and Equipment	5-10 years
Collection, Treatment and Disposal Facilities	10-40 years

Major outlays for capital assets are capitalized as projects are constructed, and repairs and maintenance costs are expensed.

Deferred Outflows of Resources and Deferred Inflows of Resources

The Statement of Net Position reports separate sections for deferred outflows of resources, and deferred inflows of resources.

Deferred Outflows of Resources represent outflows of resources (consumption of net position) that apply to future periods and that, therefore, will not be recognized as an expense until that time. The District has three items that qualify for reporting this category: deferred loss on refunding, deferred outflows of resources related to pensions and deferred outflows related to OPEB.

Deferred Inflows of Resources represent inflows of resources (acquisition of net position) that apply to future periods and that, therefore, are not recognized as revenue until that time. The District has two items that qualify for reporting this category: deferred inflows of resources related to pensions and deferred inflows related to OPEB.

Compensated Absences

District policy permits its employees to accumulate not more than two (2) times their current annual vacation. Employees are compensated twelve (12) days of sick leave per year with a maximum accrual not to exceed 120 days. The combined unused vacation and sick pay will be paid to employee or his/her beneficiary upon leaving the District's employment. The amount due will be determined using salary/wage rate in effect at the time of separation.

Note 2 – Summary of Significant Accounting Policies

Pensions

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the plans and additions to/deductions from the plans' fiduciary net position have been determined on the same basis as they are reported by the plans. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with benefit terms. Investments are reported at fair value. The following timeframes are used for pension reporting:

Valuation Date	June 30, 2020
Measurement Date	June 30, 2021
Measurement Period	July 1, 2020 to June 30, 2021

Gains and losses related to changes in total pension liability and fiduciary net position are recognized in pension expense systematically over time. The first amortized amounts are recognized in pension expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to pensions and are to be recognized in future pension expense. The amortization period differs depending on the source of the gain or loss. The difference between projected and actual earnings is amortized using the straight-line method over five (5) years. All other amounts are amortized straight-line over the average expected remaining service lives of all members that are provided with benefits (active, inactive, and retired) as of the beginning of the measurement period.

Other Postemployment Benefits

For purposes of measuring the net other postemployment benefits ("OPEB") liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the plans and additions to/deductions from the plans' fiduciary net position have been determined on the same basis as they are reported by the plans. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with benefit terms. Investments are reported at fair value. The following timeframes are used for OPEB reporting:

Valuation Date	June 30, 2021
Measurement Date	June 30, 2021
Measurement Period	July 1, 2020 to June 30, 2021

Gains and losses related to changes in total OPEB liability and fiduciary net position are recognized in OPEB expense systematically over time. The first amortized amounts are recognized in pension expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to OPEB and are to be recognized in future OPEB expense. The amortization period differs depending on the source of the gain or loss. The difference between projected and actual earnings is amortized using the straight-line method over five (5) years. All other amounts are amortized straight-line over the average expected remaining service lives of all members that are provided with benefits (active, inactive, and retired) as of the beginning of the measurement period.

Note 2 – Summary of Significant Accounting Policies

Long-Term Debt

Debt premiums and discounts are deferred and amortized over the life of the debt using the effective interest method. Long-term debt is reported net of the applicable bond premium or discount. Debt issuance costs are expensed when incurred.

Arbitrage Rebate Requirement

The District is subject to the Internal Revenue Code ("IRC") Section 148(f), related to its tax-exempt revenue bonds. The IRC requires that investment earnings on gross proceeds of any revenue bonds that are in excess of the amount prescribed will be surrendered to the Internal Revenue Service. The District had no rebate liability for arbitrage as of June 30, 2022.

Net Position

Net position represents the difference between all other elements in the statement of net position and should be displayed in the following three components:

Net Investment in Capital Assets – This component of net position consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of debt that are attributable to the acquisition, construction, or improvement of those assets, net of deferred outflows/inflows of resources related to the debt.

Restricted – This component of net position consists of restricted assets reduced by liabilities and deferred inflows of resources related to those assets.

Unrestricted – This component of net position is the amount of the assets, deferred outflows of resources, liabilities, and deferred inflows of resources that are not included in the determination of net investment in capital assets or the restricted component of net position.

When both restricted and unrestricted resources are available for use, it is the District's policy to use restricted resources first, then unrestricted resources as they are needed.

Property Taxes

Property taxes are levied on July 1 and are payable in two installments: November 1 and February 1 of each year. Property taxes become delinquent on December 10 and April 10, for the first and second installments, respectively. The lien date is January 1. The County of Riverside, California ("County") bills and collects property taxes and remits them to the District according to a payment schedule established by the County.

The County is permitted by State law to levy properties at 1% of full market value (at time of purchase) and can increase the property tax rate at no more than 2% per year. The District receives a share of this basic tax levy proportionate to what it received during the years 1976-1978.

Property taxes are recognized in the fiscal year for which the taxes have been levied. No allowance for doubtful accounts was considered necessary.

Note 2 – Summary of Significant Accounting Policies

Use of Estimates

The preparation of financial statements in accordance with U.S. GAAP requires management to make estimates and assumptions that affect certain reported amounts and disclosure. Accordingly, actual results could differ from those estimates.

Comparative Data

Selected information regarding the prior year has been included in the accompanying financial statements. This information has been included for comparison purposes only and does not represent a complete presentation in accordance with generally accepted accounting principles. Accordingly, such information should be read in conjunction with the government's prior year financial statements, from which this selected financial data was derived.

Note 3 – Cash and Investments

At June 30, 2022, cash and investments are classified in the accompanying statements of net position as follows:

	Business-Type Activities	Fiduciary Fund	Total
Cash and investments	$ 134,115,856	724,417	134,840,273
Cash and investments with fiscal agent	-	618,776	618,776
	$ 134,115,856	1,343,193	135,459,049

At June 30, 2022, cash and investments consisted of the following:

Cash on hand	$ 500
Demand deposits	2,378,697
Investments	133,079,852
Total cash and investments	$135,459,049

Demand Deposits

At June 30, 2022, the carrying amount of cash deposit was $2,378,697, which was fully insured and/or collateralized with securities held by the pledging financial institutions in the District's name as discussed below.

The California Government Code requires California banks and savings and loan associations to secure the District's cash deposits by pledging securities as collateral. This Code states that collateral pledged in this manner shall have the effect of perfecting a security interest in such collateral superior to those of a general creditor. Thus, collateral for cash deposits is considered to be held in the District's name.

Note 3 – Cash and Investments

The fair value of pledged securities must equal at least 110% of the District's cash deposits. California law also allows institutions to secure the District's deposits by pledging first trust deed mortgage notes having a value of 150% of the District's total cash deposits. The District may waive collateral requirements for cash deposits, which are fully insured up to $250,000 by the Federal Deposit Insurance Corporation. The District, however, has not waived the collateralization requirements.

Investments Authorized by the California Code and The District's Investment Policy

Under the provisions of the District's investment policy and in accordance with California Government Code, the District is authorized to invest or deposit in the following:

- Local Agency Investment Fund (LAIF) established by the State Treasurer
- Bonds issued by the District with a 5-year maximum maturity
- United States Treasury Bills, Notes and Bonds with a 5-year maximum maturity
- Federally Insured Certificates of Deposit with a 5-year maximum maturity
- Collateralized bank deposits with a 5-year maximum maturity
- Fixed income instruments with an average maturity of one (1) year or less including: Mortgage-backed securities; asset-backed securities; banker's acceptances; commercial paper; certificates of deposits; repurchase agreements backed by 102% U.S. agency securities and U.S. Treasury obligations; medium-term notes; and rated money-market funds. All securities must be rated A- or better at the time of purchase
- United States Government Agency Notes and Bonds with a 5-year maximum maturity
- Shares of Beneficial Interest issued by joint powers authority

Local Agency Investment Fund

The District's investments with Local Agency Investment Fund ("LAIF") include a portion of the pooled funds invested in Structured Notes and Asset-Backed Securities. These investments include the following:

> Structured Notes - debt securities (other than asset-backed securities) whose cash flow characteristics (coupon rate, redemption amount, or stated maturity) depend upon one or more indices and/or that have embedded forwards or options.
>
> Asset-Backed Securities - the bulk of which are mortgage-backed securities, entitle their purchasers to receive a share of the cash flows from a pool of assets such as principal and interest repayments from a pool of mortgages (such as CMO's) or credit card receivables.

LAIF is overseen by the Local Agency Investment Advisory Board, which consists of five members, in accordance with State statute. As of June 30, 2022, the District had $60,397,316 invested in LAIF, which had invested 1.10% of the pooled investment funds in Structured Notes and Medium-term Asset-Backed Securities. LAIF is reported at amortized costs, which approximates fair value.

CalTrust Medium Term Fund

As of June 30, 2022, the District had $1,057,211 invested in CalTrust Medium Term Fund. CalTrust Medium Term Fund is reported at amortized costs, which approximates fair value.

Note 3 – Cash and Investments

Money Market Fund

As of June 30, 2022, the District had $618,776 invested in money market fund and held by the bond trustee. The District's investments in money market funds are considered cash equivalents as they are short-term, highly liquid investments that are readily convertible to known amounts of cash, they present insignificant risk of changes in value because of changes in interest rates.

Disclosures Relating to Interest Rate Risk

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment is, the greater the sensitivity of its fair value to changes in market interest rates. One of the ways the District manages its exposure to interest rate risk is by purchasing a combination of shorter term and longer term investments and by timing cash flows from maturities so that a portion of the portfolio is maturing or coming close to maturity evenly over time as necessary to provide the cash flow and liquidity needed for operations. However, the District does not have a formal policy regarding interest rate risk.

As of June 30, 2022, all of the District's investments had maturity dates of twelve (12) months or less.

Disclosures Relating to Custodial Credit Risk

The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty (e.g., broker-dealer) to a transaction, a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The California Government Code and the District's investment policy do not contain legal or policy requirements that would limit the exposure to custodial credit risk for investments. With respect to investments, custodial credit risk generally applies only to direct investments in marketable securities. Custodial credit risk does not apply to a local government's indirect investment in securities through the use of mutual funds or government investment pools (such as LAIF).

As of June 30, 2022, the District had the following investments with the following ratings:

	Minimum Legal Rating	AAA	Not Rated	Total
Local Agency Investment Fund	N/A	$ -	60,397,316	60,397,316
CalTrust Medium Trust Fund	N/A	-	1,057,211	1,057,211
Goldman Sachs Escrow	N/A	-	71,006,549	71,006,549
Held by bond trustee:				
Money market fund	AAA	618,776	-	618,776
Total investments		$ 618,776	132,461,076	133,079,852

Note 4 – Accounts Receivable

Accounts receivable primarily consists of sewer use fees - direct billings, connection fees, and reimbursements as well as the District's allocation of property taxes and sewer use charges collected but not remitted by the County of Riverside.

As of June 30, 2022, the accounts receivable were as follows:

Direct billing, connection fee and reimbursement receivables	$	589,660
Property taxes and sewer use receivable from County of Riverside		273,787
Workers' comp receivable		2,593
Basic employee receivable		4,250
Total accounts receivables	$	870,290

Note 5 – Capital Assets

Summary of changes in capital assets for the year ended June 30, 2022 is as follows:

	Balance July 1, 2021	Additions	Deletions	Balance June 30, 2022
Capital assets, not depreciated				
Land	$ 448,364	-	-	448,364
Construction in progress	1,772,945	8,862,233	-	10,635,178
Total capital assets, not depreciated	2,221,309	8,862,233	-	11,083,542
Capital assets, being depreciated				
Subsurface	20,677,314	201,110	-	20,878,424
Sewage collection facilities	16,610,055	44,235	(44,418)	16,609,872
Wastewater treatment facilities	35,854,535	481,253	(60,426)	36,275,362
Sludge disposal facilities	24,681,864		-	24,681,864
General plant facilities	8,889,022	376,411	(6,772)	9,258,661
Laboratory facilities	31,195	15,524	-	46,719
Administrative facilities	151,386		-	151,386
Total capital assets, being depreciated	106,895,371	1,118,533	(111,616)	107,902,288
Less accumulated depreciation				
Subsurface	(13,037,264)	(316,447)	-	(13,353,711)
Sewage collection facilities	(3,859,006)	(432,353)	44,418	(4,246,941)
Wastewater treatment facilities	(17,897,697)	(708,798)	60,426	(18,546,069)
Sludge disposal facilities	(6,337,913)	(592,753)	-	(6,930,666)
General plant facilities	(3,063,753)	(447,017)	6,434	(3,504,336)
Laboratory facilities	(8,148)	(7,115)	-	(15,263)
Administrative facilities	(90,586)	(29,845)	-	(120,431)
Total accumulated depreciation	(44,294,367)	(2,534,328)	111,278	(46,717,417)
Total capital assets, being depreciated, net	62,601,004	(1,415,795)	(338)	61,184,871
Total capital assets, net	$ 64,822,313	7,446,438	(338)	72,268,413

Note 6 – Investment in Joint Venture

On December 18, 2013, the District entered into a Joint Powers Agreement with the City of Indio (the "City") to form the East Valley Reclamation Authority (the "JPA") to plan, program, finance, design and operate a reclaimed water facility to bring a sustainable water supply and manage the water resources for the customers of the Indio Water Authority (a blended component unit of the City) and the District. The costs and expenses of the JPA are generally shared equally by the City and the District unless otherwise determined by the JPA's Board of Directors, except that the District is responsible for 100% of the costs and expenses associated with the design and construction of facilities for the District's compliance with any permit terms. During the year ended June 30, 2022, the District made a contribution to the JPA in the amount of $225,000. As of June 30, 2022, the District reported investments in joint venture in the amounts of $411,928. Copies of the annual financial report for the JPA may be obtained from the finance department of the City of Indio.

Note 7 – Compensated Absences

Summary of changes in compensated absences for the year ended June 30, 2022 is as follows:

Beginning Balance	Additions	Deletions	Ending Balance	Due within One Year	Due in More Than One Year
$ 583,728	199,405	(134,436)	648,697	408,094	240,603

Note 8 – Long-term Debt

Summary of changes in long-term debt for the year ended June 30, 2022 is as follows:

	Beginning Balance	Additions	Deletions	Ending Balance	Due within One Year	Due in More Than One Year
2015 Wastewater Revenue Refunding Bonds	$ 3,880,000	-	(715,000)	3,165,000	750,000	2,415,000
Bond Premium, net of amortization	494,185	-	(100,512)	393,673	100,512	293,161
State Water Resources Control Board Revolving Fund Loan	11,901,885	-	(351,029)	11,550,856	356,997	11,193,859
Banc of America loan	-	71,000,000	-	71,000,000	920,296	70,079,704
	$ 16,276,070	71,000,000	(1,166,541)	86,109,529	2,127,805	83,981,724

2015 Wastewater Revenue Refunding Bonds

On August 26, 2006, the District issued the 2006 Certificates of Participation in the amount of $12,915,000. The purpose of the Certificates was to fund Phase I of the District's treatment plant expansion. Interest ranging from 3.50% to 4.375% is payable semi-annually on February 1st and August 1st commencing February 1, 2007.

On June 18, 2015, the District issued Wastewater Revenue Refunding Bonds, Series 2015 in the amount of $7,540,000. The purpose of the bond issuance was to provide funds to defease and refund on current basis the District's outstanding 2006 Certificates of Participation (Treatment Plan Expansion) and pay the costs of issuing the bonds. The bonds are payable from and secured by a lien on net revenue of the wastewater system of the District. Interest rate of 5% (except for 2.125% in 2023) is payable semi-annually on each December 1 and June 1 beginning December 1, 2015. The bonds are not subject to redemption prior to maturity. The outstanding balance as of June 30, 2022 was $3,165,000.

Note 8 – Long-term Debt

Future debt service requirements are as follows:

2015 Wastewater Revenue Refunding Bonds			
Year Ending June 30,	Principal	Interest	Total
2023	$ 750,000	136,687	886,687
2024	765,000	120,750	885,750
2025	805,000	82,500	887,500
2026	845,000	42,250	887,250
	$ 3,165,000	382,187	3,547,187

State Water Resources Control Board Revolving Fund Loan

The District executed the installment sale agreement with the State Water Resources Control Board (the "SWRCB") for the construction of the Requa Avenue Sewer Interceptor Project. As part of the Requa Avenue Sewer Interceptor Project, the District constructed 4.2 miles of new gravity flow sewer pipeline and related utility improvements designed to collect and convey sanitary sewer flow within an existing public right-of-way through central Indio, California, to the existing District's Water Reclamation Plant. The SWRCB provided financial assistance. The total amount of the loan funded was $12,920,155 with no unused credit. There was no pledged asset as collateral. In event of default, the District upon demand by SWRCB, will immediately repay an amount equal to project funds disbursed, accrued interests, penalty assessments, and additional payments. Beginning June 2019, the District will repay the principal of the project funds, together with all interest accruing thereon, annually to the SWRCB. As of June 30, 2022, the outstanding balance of the SWRCB revolving fund loan was $11,550,856.

Future debt service requirements are as follows:

State Water Resources Control Board Revolving Fund Loan			
Year Ending June 30,	Principal	Interest	Total
2023	$ 356,997	196,363	553,360
2024	363,065	190,296	553,361
2025	369,237	184,124	553,361
2026	375,514	177,846	553,360
2027	381,898	171,463	553,361
2028-2032	2,009,110	757,694	2,766,804
2033-2037	2,185,789	581,014	2,766,803
2038-2042	2,378,007	388,795	2,766,802
Thereafter	3,131,239	188,925	3,320,164
	$ 11,550,856	2,836,520	14,387,376

A reserve account is required to be maintained equal to one (1) year of the SWRCB revolving fund loan debt service payments from unrestricted net revenues. The reserve requirement is $553,360 for the duration of the loan. The balances held in the reserve at June 30, 2022 in the amount of $1,106,722. Debt covenants of the SWRCB revolving fund loan require that the District have net revenues that are at least 125% of the total debt service payments (including

Note 8 – Long-term Debt

2015 Wastewater Revenue Refunding Bonds). Net revenue and total debt service paid during the year ended June 30, 2022, were in the amount of $11,673,004 and $1,445,848 which resulted in ratio of 808%.

Banc of America Loan

On May 13, 2022, the District executed the installment sale agreement with Banc of America Public Capital Corp (Lender) to finance public capital improvements to the District's wastewater system. The total amount of the loan funded was $71,000,000. The District will make installment payments to the Lender commencing December 1, 2022 and scheduled to end June 1, 2042. As of June 30, 2022, the outstanding balance of the Banc of America loan was $71,000,000.

Future debt service requirements are as follows:

	Banc of America Loan		
Year Ending June 30,	Principal	Interest	Total
2023	$ 920,296	976,250	1,896,546
2024	1,901,556	963,596	2,865,152
2025	1,272,389	937,450	2,209,839
2026	2,366,972	919,954	3,286,926
2027	2,576,648	887,408	3,464,056
2028-2032	19,755,151	3,729,179	23,484,330
2033-2037	20,996,048	2,327,118	23,323,166
2038-2042	21,210,940	887,086	22,098,026
	$ 71,000,000	11,628,041	82,628,041

Note 9 – Conduit Debt

Limited Obligation Improvement Bonds

On July 21, 2005, the District issued $8,080,000 limited obligation improvement bonds, series 2005 for Assessment District No. 2004-VSD (Shadow Hills Interceptor). Interest ranging from 3.05% to 5.20% is payable semi-annually on March 2nd and September 2nd of each year commencing from March 2, 2006. The bonds mature September 2nd commencing September 2, 2007, and continuing through 2030 with optional call dates beginning September 2, 2014.

The bonds are limited obligations of the District payable, solely from the installments of assessments levied on the assessment parcels within the District and other funds pledged under the fiscal agent agreement. The District shall only be obligated to pay the principal of the bonds, or the interest thereon, from funds described in the Indenture and neither the faith and credit nor the taxing power of the District, the State of California or any of its political subdivisions is pledged to the payment of principal or interest on the bonds. Therefore, the limited obligation improvement bonds are not included in the accompanying financial statements. As of June 30, 2022, the outstanding balance of the bond was in the amount of $4,300,000.

Note 10 – Pension Plans

General Information about the Pension Plan

Plan Description

The District contributes to the California Public Employees' Retirement System ("CalPERS"), a cost-sharing multiple-employer defined benefit pension plan. CalPERS acts as a common investment and administrative agent for participating public entities within the State of California. A full description of the pension plan, benefit provisions, assumptions (for funding, but not accounting purposes), and membership information are listed in the June 30, 2020 Annual Actuarial Valuation Report. This report and CalPERS' audited financial statements are publicly available reports that can be obtained at CalPERS' website under Forms and Publications.

Employees Covered by Benefit Terms

At June 30, 2020 valuation date, the following employees were covered by the benefit terms:

	2020	
	Classic	PEPRA
Active employees	15	17
Transferred and terminated employees	17	9
Retired employees and beneficiaries	16	-
	48	26

Benefit Provided

CalPERS provides retirement and disability benefits, annual cost-of-living adjustments, and death benefits to plan members and beneficiaries. A classic CalPERS member becomes eligible for Service Retirement upon attainment of age 55 with at least five (5) years of credited service. Public Employee Pension Reform Act (PEPRA) Miscellaneous Plan members become eligible for service retirement upon attainment of age 62 with at least five (5) years of service. The service retirement benefit is a monthly allowance equal to the product of the benefit factor, years of service, and final compensation. The final compensation is the highest average annual compensation during any consecutive 12 or 36-month period of employment. Retirement benefits for classic miscellaneous employees are calculated as 2.5% of the highest average annual compensation during any consecutive 12 or 36-month period of employment. Retirement benefits for PEPRA miscellaneous employees are calculated as 2% of the average final three (3) year compensation.

Participant is eligible for non-industrial disability retirement if they become disabled and have at least five (5) years of credited service. There is no special age requirement. The standard non-industrial disability retirement benefit is a monthly allowance equal to 1.8% of final compensation, multiplied by service. Industrial disability benefits are not offered to miscellaneous employees.

An employee's beneficiary may receive the basic death benefit if the employee dies while actively employed. The employee must be actively employed with the District to be eligible for this benefit. An employee's survivor who is eligible for any other pre-retirement death benefit may choose to receive that death benefit instead of this basic death benefit. The basic death benefit is a lump sum in the amount of the employee's accumulated contributions,

Note 10 – Pension Plans

where interest is currently credited at 7.5% per year, plus a lump sum in the amount of one month salary for each completed year of current service, up to a maximum of six months' salary. For purposes of this benefit, one month salary is defined as the member's average monthly full-time rate of compensation during the 12 months preceding death. Upon the death of a retiree, a one-time lump sum payment of $500 will be made to the retiree's designated survivor(s), or to the retiree's estate.

Benefit terms provide for annual cost-of-living adjustments to each employee's retirement allowance. Beginning the second calendar year after the year of retirement, retirement and survivor allowances will be annually adjusted on a compound basis by 2%.

Contributions

Section 20814(c) of the California Public Employees' Retirement Law ("PERL") requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and shall be effective on the July 1 following notice of a change in the rate. The total plan contributions are determined through CalPERS' annual actuarial valuation process. The public agency cost-sharing plans covered by the miscellaneous risk pools, the Plan's actuarially determined rate is based on the estimated amount necessary to pay the Plan's allocated share of the risk pool's costs of benefits earned by employees during the year, and any unfunded accrued liability. The employer is required to contribute the difference between the actuarially determined rate and the contribution rate of employees.

For the measurement period ended June 30, 2021, the active employee contribution rate for miscellaneous plan and PEPRA miscellaneous plan is 8.00% and 7.25% of annual pay, respectively, and the employer's contribution rate is 11.533% and 7.072% of annual payroll, respectively.

Pension Liabilities, Pension Expenses, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pension

The June 30, 2020, valuations were rolled forward to determine the June 30, 2021 total pension liabilities, based on the following actuarial methods and assumptions:

Actuarial Methods and Assumptions Used to Determine Total Pension Liability

Actuarial Cost Method	Entry Age Normal in accordance with the requirement of GASB Statement No. 68
Actuarial Assumptions:	
Discount Rate	7.15%
Inflation	2.50%
Salary Increases	Varies by Entry Age and Service
Mortality Rate Table[1]	Derived using CalPERS' Membership Data for all Funds
Post Retirement Benefit Increase	Contract COLA up to 2.50% until Purchasing Power Protection Allowance Floor on Purchasing Power applies

[1]The mortality table used was developed based on CalPERS-specific data. The table includes 15 years of mortality improvements using Society of Actuaries Scale 90% of scale MP 2016. For more details on this table, please refer to December 2017 experience study report (based on CalPERS demographic data from 1997 to 2015) that can be found on the CalPERS website.

Change of Assumption

In 2021, there were no changes of assumptions.

Note 10 – Pension Plans

Long-term Expected Rate of Return

The long-term expected rate of return on pension plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

In determining the long-term expected rate of return, CalPERS took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Using historical returns of all of the funds' asset classes, expected compound (geometric) returns were calculated over the short-term (first 10 years) and the long-term (11+ years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the rounded single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equal to the single equivalent rate calculated below and adjusted to account for assumed administrative expenses.

The expected real rates of return by asset class are as followed:

Asset Class[1]	Assumed Asset Allocation	Real Return Years 1-10[2]	Real Return Years 11+[3,4]
Public Equity	50.00%	4.80%	5.98%
Fixed Income	28.00%	1.00%	2.62%
Inflation Assets	0.00%	0.77%	1.81%
Private Equity	8.00%	6.30%	7.23%
Real Assets	13.00%	3.75%	4.93%
Liquidity	1.00%	0.00%	(0.92)%

[1] In the System's Annual Comprehensive Financial Report (ACFR), Fixed Income is included in Global Debt Securities; Liquidity is included in Short-Term Investments; Inflation Assets are included in both Global Equity Securities and Global Debt Securities.

[2] An expected inflation of 2.00% used

[3] An expected inflation of 2.92% used

[4] Figures are based on ALM of 2017

Discount Rate

The discount rate used to measure the total pension liabilities was 7.15 percent. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from employers will be made at statutorily required rates, actuarially determined. Based on those assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Note 10 – Pension Plans

Sensitivity of the District's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the District's proportionate share of the net pension liabilities of the Plan as of the measurement date at June 30, 2021, calculated using the discount rate of 7.15%, as well as what the District's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1 percentage-point lower (6.15%) or 1 percentage-point higher (8.15%) than the current rate:

	Plan's Aggregate Net Pension Liability/(Asset)		
Measurement Date	Discount Rate -1% (6.15%)	Current Discount Rate (7.15%)	Discount Rate + 1% (8.15%)
June 30, 2021	$ 2,463,738	444,605	(1,224,583)

Pension Plan Fiduciary Net Position

Detail information about the plan's fiduciary net position is available in the separately issued CalPERS financial report and can be obtained from CalPERS' website under Forms and Publications.

Proportionate Share of Net Pension Liability and Pension Expense

The following table shows the plan's proportionate share of the risk pool collective net pension liability over the measurement period:

	Increase (Decrease)		
	Total Pension Liability	Fiduciary Net Position	Net Pension Liability/(Asset)
Balance at: 6/30/20 (Valuation date)	$ 14,237,629	11,663,383	2,574,246
Balance at: 6/30/21 (Measurement date)	15,292,879	14,848,274	444,605
Net changes during 2020-2021	(1,055,250)	(3,184,891)	2,129,641

Deferred outflows of resources, deferred inflows of resources, and pension expense is allocated based on the District's share of risk pool actuarial accrued liability at the beginning of measurement period.

The District's proportionate share of the net pension liability was as follows:

Measurement Date	
30, 2020	0.02366%
30, 2021	0.00822%
Change - Increase (Decrease)	-0.01544%

For the year ended June 30, 2022, the District recognized pension credit in the amount of $948,849.

Note 10 – Pension Plans

The amortization period differs depending on the source of the gain or loss. The difference between projected and actual earnings is amortized over 5-years straight line. All other amounts are amortized straight-line over the average expected remaining service lives of all members that are provided with benefits (active, inactive and retired) as of the beginning of the measurement period.

At June 30, 2022, the District reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred outflows of resources	Deferred inflows of resources
Differences between Expected and Actual Experience	$ 49,858	-
Differences between Projected and Actual Investment Earnings	-	(388,117)
Differences between Employer's Contributions and Proportionate Share of Contributions	173,718	(218,488)
Change in Employer's Proportion	22,378	(178,766)
Pension Contributions Made Subsequent to Measurement Date	297,554	-
Total	$ 543,508	(785,371)

Deferred outflows of resources related to pension resulting from District's contributions subsequent to the measurement date in the amount of $297,554 will be recognized as a reduction of the net pension liability in the fiscal year ended June 30, 2023.

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Fiscal Year Ending June 30,	Deferred Outflows/(Inflows) of Resources
2023	$ (88,736)
2024	(192,103)
2025	(151,322)
2026	(107,256)
2027	-
Thereafter	-
Total	(539,417)

Deferred Compensation Plans

The District has made available to its employees four deferred compensation plans, whereby employees authorize the District to withhold funds from salary to be invested. Funds may be withdrawn by participants upon termination of employment or retirement. The District makes no contributions under the plans. Pursuant Internal Revenue Code ("IRC") Section 457, the plan assets are held in trust in which all assets and income of the 457 plans were placed. The assets, all property and rights purchased with such amount, and all income attributable to

Note 10 – Pension Plans

such amounts, property, or rights are held in trust for the exclusive benefit of the participants and their beneficiaries. These assets are not the property of the District and, as such, are not subject to the claims of the District's general creditors. As a result, the assets of the 457 plan are not reflected in the financial statements.

Note 11 – Other Postemployment Benefits ("OPEB")

General Information about the OPEB Plan

Plan Description

The District contributes to a single employer defined benefit plan to provide post-employment medical benefits. Specifically, the District offers postretirement medical benefits to all employees who retire from the District after attaining age 50 with at least 5 years of service. The plan does not provide a publicly available financial report.

Benefit Types Provided	Medical only
Duration of Benefits	Lifetime
Required Services	5 years
Minimum Age	50
Dependent Coverage	Yes
District Contribution %	100%
District Cap	$149.00 per month* for measurement period 20-21

*This amount will increase as provided in California Government Code Section 22891

Employees Covered by Benefit Term

At June 30, 2021 valuation date, the following employees were covered by the benefit term:

Active employees	22
Inactive employees receiving benefits	8
Inactive employees entitled to but not receiving benefits	-
Total	30

Contribution

The obligation of the District to contribute to the plan is established and may be amended by the District's Board of Directors. Employees are not required to contribute to the plan. The District made contributions on pay-as-you-go basis.

Note 11 – Other Postemployment Benefits ("OPEB")

Net OPEB Liability

The District's 2022 net OPEB liability is measured as of June 30, 2021, and the total OPEB liabilities used to calculate the net OPEB liabilities were determined by an actuarial valuation as of June 30, 2020.

Actuarial Assumptions

Total OPEB liability in the June 30, 2021, actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Discount Rate

The discount rate of 6.75% was used in the valuation. The Actuary used historic 28 year real rates of return for each asset class along with the assumed long-term inflation assumption to set the discount rate. The Actuary offset the expected investment return by investment expenses of 25 basis points. The following is the assumed asset allocation and assumed rate of return:

Asset Class	Percentage of Portfolio	Assumed Gross Return
All Equities	59.00%	7.545%
All Fixed Income	25.00%	4.250%
Real Estate Investment Trusts	8.00%	7.250%
All Commodities	3.00%	7.545%
Treasury Inflation Protected Securities (TIPS)	5.00%	3.000%
	100.00%	

Note 11 – Other Postemployment Benefits ("OPEB")

The District looked at rolling periods of time for all asset classes in combination to appropriately reflect correlation between asset classes. That means that the average returns for any asset class don't necessarily reflect the averages over time individually, but reflect the return for the asset class for the portfolio average. The District used geometric means.

	Increase (Decrease)		
	Total OPEB Liability	Plan Fiduciary Net Position	Net OPEB Liability
Balance at June 30, 2020 (measurement date)	$ 789,982	150,462	639,520
Changes recognized for the measurement period:			
Service Cost	25,260	-	25,260
Interest on total OPEB liability	56,183	45,868	10,315
Difference between expected and actual experience	(79,782)	-	(79,782)
Difference in benefit payment	-	-	-
Employer contributions	-	115,209	(115,209)
Employee contributions	-	-	-
Changes in assumptions	23,088	-	23,088
Administrative expenses	-	(65)	65
Benefit payments	(57,074)	(57,074)	-
Net change during measurement period 2020-2021	(32,325)	103,938	(136,263)
Balance at June 30, 2021 (measurement date)	$ 757,657	254,400	503,257

Sensitivity of the Net OPEB Liability to Changes in the Discount Rate

The following presents the net OPEB liability of the District, as well as what the District's net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower (5.75 percent) or 1-percentage- point higher (7.75 percent) than the current discount rate:

	Net OPEB Liability		
Measurement Date	Discount Rate -1% (5.75%)	Current Discount Rate (6.75%)	Discount Rate +1% (7.75%)
June 30, 2021	$ 583,355	503,257	435,597

Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trend

The following presents the net OPEB liability of the District, as well as what the District's net OPEB liability would be if it were calculated using healthcare cost trend rates that is 1-percentage-point lower (4.0 percent decreasing to 3.0 percent) or 1-percentage- point higher (4.0 percent increasing to 5.0 percent) than the current healthcare cost trend rates:

	Net OPEB Liability		
Measurement Date	Healthcare Cost Trend Rate -1% (3.00%)	Current Healthcare Cost Trend Rate (4.00%)	Healthcare Cost Trend Rate + 1% (5.00%)
June 30, 2021	$ 423,248	503,257	600,828

Note 11 – Other Postemployment Benefits ("OPEB")

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the year ended June 30, 2022, the District recognized OPEB expense in the amount of $94,461. At June 30, 2022 the District reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred outflows of resources	Deferred inflows of resources
OPEB contribution after measurement date	$ 56,493	-
Changes of assumptions	358,697	-
Difference between expected and actual experience	27,096	(75,812)
Projected earnings on pension plan investments under/(in excess of) actual earnings	-	(23,060)
Total	$ 442,286	(98,872)

Deferred outflows of resources related to OPEB resulting from District's contributions subsequent to the measurement date in the amount of $56,493 will be recognized as a reduction of the net OPEB liability in the fiscal year ended June 30, 2023.

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Fiscal Year Ending June 30,	Deferred Outflows/(Inflows) of Resources
2023	$ 25,519
2024	25,531
2025	25,267
2026	24,247
2027	30,906
Thereafter	155,451
Total	286,921

Note 12 – Risk Management

The District is exposed to various risks of loss related to torts; theft of, damage to and destruction of assets; errors and omissions; and natural disasters for which the District carries commercial insurance. Premiums are paid annually by the District. For the years ended June 30, 2022, the District had insurance expenses in the amounts of $329,747 in premium payments.

Liabilities are reported when it is probable that a loss has occurred and the amount of the loss can be reasonably estimated. As of June 30, 2022, there were no liabilities to be reported. During the past three fiscal years there have been no settlements or judgments that exceeded insured coverage. There have been no significant reductions in insured liability coverage from coverage in the prior year.

Note 13 – Commitments and Contingencies

Shadow Hills Assessment District

In September 1994, the District authorized oversize credits of $343,403 against capital impact fees for developments occurring within Assessment District 90-1 that are benefiting from the sewer trunk line improvements installed in 1993. As of June 30, 2022, credits of $224,471 have been applied, leaving a balance of $118,932 to be issued.

Pending Legal Actions

The District has not been named in any lawsuit. However, there could be pending litigation. While the outcome of these lawsuits is not presently determinable, in the opinion of management of the District, based in part on the advice of counsel, the resolution of these matters is not expected to have a material adverse effect on the financial position or results of operations of the District, or is adequately covered by insurance.

Construction Commitments

Outstanding construction commitments as of June 30, 2022:

Projects:	
Collection System Repairs / Rehab / Replace Const	$ 3,666,667
Collection System Repairs / Rehab / Replace Program Design	1,228,340
Sewer Siphon Replacement at Westward Ho – Design	638,000
Sewer Siphon Replacement at Westward Ho – Construction	4,464,000
Influent Pump Station Rehabilitation Project	3,300,000
Recycled Water Project Phase 1 (Bank of America loan)	17,763,656
	$ 31,060,663

Required Supplementary Information
(Unaudited)

Valley Sanitary District
Required Supplementary Information
Schedule of District's Proportionate Share of the Net Pension Liability and Related Ratios
Year ended June 30, 2022

Last Ten Fiscal Years

California Public Employees' Retirement System ("CalPERS") Miscellaneous Plan

Measurement date	June 30, 2014	June 30, 2015	June 30, 2016	June 30, 2017	June 30, 2018
District's proportion of the net pension liability	0.02185%	0.02397%	0.02461%	0.02573%	0.02584%
District's proportionate share of the net pension liability	$ 1,359,412	1,645,582	2,129,724	2,551,281	2,490,030
District's covered payroll	$ 1,805,145	1,980,191	2,004,667	2,279,280	2,059,259
District's proportionate share of the net pension liability as a percentage of covered payroll	75.31%	83.10%	106.24%	111.93%	129.92%
Plan's proportionate share of the fiduciary net position as a percentage of the total pension liability	83.77%	81.08%	77.15%	77.13%	79.13%

[1] Historical information is presented only for measurement periods for which GASB 68 is available for periods after GASB 68 implementation in 2013-14.

Valley Sanitary District
Required Supplementary Information
Schedule of District's Proportionate Share of the Net Pension Liability and Related Ratios (Continued)
Year ended June 30, 2022

Last Ten Fiscal Years

California Public Employees' Retirement System ("CalPERS") Miscellaneous Plan

Measurement date	June 30, 2019	June 30, 2020	June 30, 2021
District's proportion of the net pension liability	0.02706%	0.02366%	0.82200%
District's proportionate share of the net pension liability	2,772,698	2,574,246	444,605
District's covered payroll	2,362,608	2,427,580	2,768,913
District's proportionate share of the net pension liability as a percentage of covered payroll	117.36%	106.04%	16.06%
Plan's proportionate share of the fiduciary net position as a percentage of the total pension liability	78.86%	81.92%	81.92%

[1] Historical information is presented only for measurement periods for which GASB 68 is available for periods after GASB 68 implementation in 2013-14.

Valley Sanitary District
Required Supplementary Information
Schedule of Contributions - Pensions
Year ended June 30, 2022

Last Ten Fiscal Years

California Public Employees' Retirement System ("CalPERS") Miscellaneous Plan

Fiscal year end	2013-14[1]	2014-15	2015-16	2016-17	2017-18
Actuarially determined contribution[2]	$ 340,629	279,922	203,392	303,301	323,626
Contribution in relation to the actuarially determined contribution[2]	(1,126,986)	(279,922)	(203,392)	(303,301)	(323,626)
Contribution deficiency/(excess)	$ (786,357)	-	-	-	-
District's covered payroll[3]	$ 1,805,145	1,980,191	2,004,667	2,279,280	2,059,259
Contributions as a percentage of covered payroll	62.43%	14.14%	10.15%	13.31%	15.72%

[1] Historical information is presented only for measurement periods for which GASB 68 is available for periods after GASB 68 implementation in 2013-14. Additional years of information will be displayed as it become available.

[2] Employers are assumed to make contributions equal to the actuarially determined contributions. However, some employers may choose to make additional contributions towards their unfunded liability. Employer contributions for such plans exceed the actuarially determined contributions.

[3] Reportable earnings to CalPERS, closed

Notes to Schedule:

The CalPERS Board of Administration has adopted a new amortization policy effective with the June 30, 2019 actuarial valuation. The new policy shortens the period over which actuarial gains and losses are amortized from 30 years to 20 years with the payments computed as a level dollar amount. In addition, the new policy does not utilize a 5-year rampup and ramp-down on Unfunded Accrued Liability (UAL) bases attributable to assumption and method changes and non-investment gains/losses. The new policy does not utilize a 5-year ramp-down on investment gains/losses. These changes apply only to new UAL bases established on or after June 30, 2019.

Changes of Assumptions: In 2019, there were no changes. In 2018, demographic assumptions and inflation rate were changed in accordance to the CalPERS Experience Study and Review of Actuarial Assumptions December 2017. There were no changes in the discount rate. In 2017, the accounting discount rate reduced from 7.65 percent to 7.15 percent. In 2016, there were no changes. In 2015, amounts reported reflect an adjustment of the discount rate from 7.5 percent (net of administrative expense) to 7.65 percent (without a reduction for pension plan administrative expense.) In 2014, amounts reported were based on the 7.5 percent discount rate.

Valley Sanitary District
Required Supplementary Information
Schedule of Contributions - Pensions (Continued)
Year ended June 30, 2022

Last Ten Fiscal Years

California Public Employees' Retirement System ("CalPERS") Miscellaneous Plan

Fiscal year end	2018-19	2019-20	2020-21	2021-22
Actuarially determined contribution[2]	$ 814,982	716,153	284,596	297,554
Contribution in relation to the actuarially determined contribution[2]	(814,982)	(716,153)	(284,596)	(297,554)
Contribution deficiency/(excess)	-	-	-	-
District's covered payroll[3]	$ 2,362,608	2,427,580	2,768,913	3,010,687
Contributions as a percentage of covered payroll	34.50%	29.50%	10.28%	9.88%

[1] Historical information is presented only for measurement periods for which GASB 68 is available for periods after GASB 68 implementation in 2013-14. Additional years of information will be displayed as it become available.

[2] Employers are assumed to make contributions equal to the actuarially determined contributions. However, some employers may choose to make additional contributions towards their unfunded liability. Employer contributions for such plans exceed the actuarially determined contributions.

[3] Reportable earnings to CalPERS, closed

Notes to Schedule:

The CalPERS Board of Administration has adopted a new amortization policy effective with the June 30, 2019 actuarial valuation. The new policy shortens the period over which actuarial gains and losses are amortized from 30 years to 20 years with the payments computed as a level dollar amount. In addition, the new policy does not utilize a 5-year rampup and ramp-down on Unfunded Accrued Liability (UAL) bases attributable to assumption and method changes and non-investment gains/losses. The new policy does not utilize a 5-year ramp-down on investment gains/losses. These changes apply only to new UAL bases established on or after June 30, 2019.

Changes of Assumptions: In 2019, there were no changes. In 2018, demographic assumptions and inflation rate were changed in accordance to the CalPERS Experience Study and Review of Actuarial Assumptions December 2017. There were no changes in the discount rate. In 2017, the accounting discount rate reduced from 7.65 percent to 7.15 percent. In 2016, there were no changes. In 2015, amounts reported reflect an adjustment of the discount rate from 7.5 percent (net of administrative expense) to 7.65 percent (without a reduction for pension plan administrative expense.) In 2014, amounts reported were based on the 7.5 percent discount rate.

Valley Sanitary District
Required Supplementary Information
Schedule of Changes in Net Other Postemployment Benefits Liability and Related Ratios
Year ended June 30, 2022

Last Ten Fiscal Years

Other Postemployment Benefits ("OPEB")

Measurement period	June 30, 2017[1]	June 30, 2018	June 30, 2019	June 30, 2020	June 30, 2021
Total OPEB liability					
Service cost	$ 8,775	9,016	9,264	24,584	25,260
Interest	15,962	17,288	18,677	52,317	56,183
Difference in benefit terms	-	-	116	(2,443)	(79,782)
Differences between expected and actual experience	-	-	34,873	-	-
Changes of assumption	-	-	435,621	-	23,088
Benefit payments	(5,921)	(6,158)	(7,126)	(41,586)	(57,074)
Net change in total OPEB liability	18,816	20,146	491,425	32,872	(32,325)
Total OPEB liability, beginning	226,723	245,539	265,685	757,110	789,982
Total OPEB liability, ending (a)	245,539	265,685	757,110	789,982	757,657
OPEB fiduciary net position					
Contributions - employer	21,565	27,960	14,136	41,586	115,209
Net investment income	9,580	8,919	8,063	5,055	45,868
Benefit payments	(5,921)	(6,158)	(7,126)	(41,586)	(57,074)
Administrative expense	(80)	(193)	(28)	(71)	(65)
Other	-	(15,583)	-	-	-
Net change in plan fiduciary net position	25,144	14,945	15,045	4,984	103,938
Plan fiduciary net position, beginning	90,344	115,488	130,433	145,478	150,462
Plan fiduciary net position, ending (b)	115,488	130,433	145,478	150,462	254,400
Plan net OPEB liability - ending (a) - (b)	$ 130,051	135,252	611,632	639,520	503,257
Plan's fiduciary net position as a percentage of the total OPEB liability	47.03%	49.09%	19.21%	19.05%	33.58%
Covered payroll	$ 2,279,280	2,059,259	2,362,608	2,427,580	2,768,913
Plan net OPEB liability as a percentage of covered payroll	5.71%	6.57%	25.89%	26.34%	18.18%

[1] Historical information is presented only for measurement periods for which GASB 75 is available for periods after GASB 75 implementation in 2016-17. Additional years of information will be displayed as it become available.

Valley Sanitary District
Required Supplementary Information
Schedule of Contributions - Other Postemployment Benefits
For the year ended June 30, 2022

Last Ten Fiscal Years

Other Postemployment Benefits ("OPEB")

Fiscal year end	2016-17[1]	2017-18	2018-19	2019-20	2020-21	2021-22
Actuarially determined contribution[2]	$ 15,225	-	-	-	-	-
Contribution in relation to the actuarially determined contribution[2]	(21,565)	(27,599)	(14,136)	(9,990)	(58,135)	(43,534)
Contribution deficiency/(excess)	$ (6,340)	(27,599)	(14,136)	(9,990)	(58,135)	(43,534)
Covered payroll	$ 2,279,280	2,059,259	2,362,608	2,427,580	2,768,913	3,010,687
Contributions as a percentage of covered payroll	0.95%	1.34%	0.60%	0.41%	2.10%	1.45%

[1] Historical information is presented only for measurement periods for which GASB 75 is available for periods after GASB 75 implementation in 2016-17. Additional years of information will be displayed as it become available.

[2] The June 30, 2015 actuarial valuation provided the actuarially determined contributions for fiscal year ended June 30, 2017. There is no actuarially determined contribution for the years ended June 30, 2018, 2019, 2020, and 2021.

Notes to Schedule:	
Valuation date:	June 30, 2021
Methods and assumptions used to determine contribution rates:	
Actuarial cost method:	Entry age actuarial cost method
Inflation:	2.75% per year
Investment return/discount rate:	6.75% per year based on assumed long-term return on plan assets assuming 100% funding through CERBT. "Building Block Method" is used.
Healthcare cost trend:	4.00% per year
Payroll increase:	2.75% per year
Mortality:	2017 CalPERS active mortality for miscellaneous employees
Retirement rates:	Hired < 1/1/2013: 2017 CalPERS 2.0%@62 rate for miscellaneous employee Hired > 12/31/12: 2017 CalPERS 2.5%@55 rate for miscellaneous employees adjusted to reflect minimum retirement age of 52

Supplementary Information

VALLEY SANITARY DISTRICT
Schedule of Operating Expenses
Year ended June 30, 2022
(with comparative totals for the year ended June 30, 2021)

	General and Administrative	Sewage Collection	Sewage Treatment	Total 2022	Total 2021
Salaries and wages	$ 777,736	1,570,941	1,101,898	3,450,575	3,241,588
Employee benefits	194,379	243,682	142,109	580,170	2,022,841
Directors' fees	61,068	-	-	61,068	48,350
Insurance	329,747	-	-	329,747	308,396
Memberships	48,168	3,998	3,688	55,854	43,911
Office expenses	21,121	-	-	21,121	16,427
Permits	325	18,975	15,883	35,183	42,610
Operating supplies	42,062	43,170	81,228	166,460	193,811
Professional services	2,050	-	-	2,050	3,782
Repairs and maintenance	15,784	495,103	18,673	529,560	489,756
Travel and seminars	75,917	16,622	11,488	104,027	49,065
Utilities and telephone	30,227	12,040	746,183	788,450	667,942
Chemicals	-	-	400,075	400,075	407,342
Clothing	-	15,770	13,244	29,014	23,484
Certifications	6,040	6,029	3,557	15,626	4,430
Gas, oil and fuel	-	-	44,267	44,267	34,094
County charges	22,537	-	-	22,537	20,521
Contractual services	721,372	227,079	245,122	1,193,573	850,475
Publication/legal notices	2,614	-	-	2,614	3,673
Small tools	68,300	26,368	3,617	98,285	69,438
Other expenses	15,603	42	6,682	22,327	81,801
Total	$ 2,435,050	2,679,819	2,837,714	7,952,583	8,623,737

STATISTICAL SECTION

STATISTICAL SECTION
(UNAUDITED)

This page intentionally left blank

Valley Sanitary District
Statistical Section
(Unaudited)

This part of District's Annual Comprehensive Financial Report (CAFR) presents detailed information as a context for understanding what the information in the financial statements, note disclosures, and required supplementary information says about the District's overall financial health.

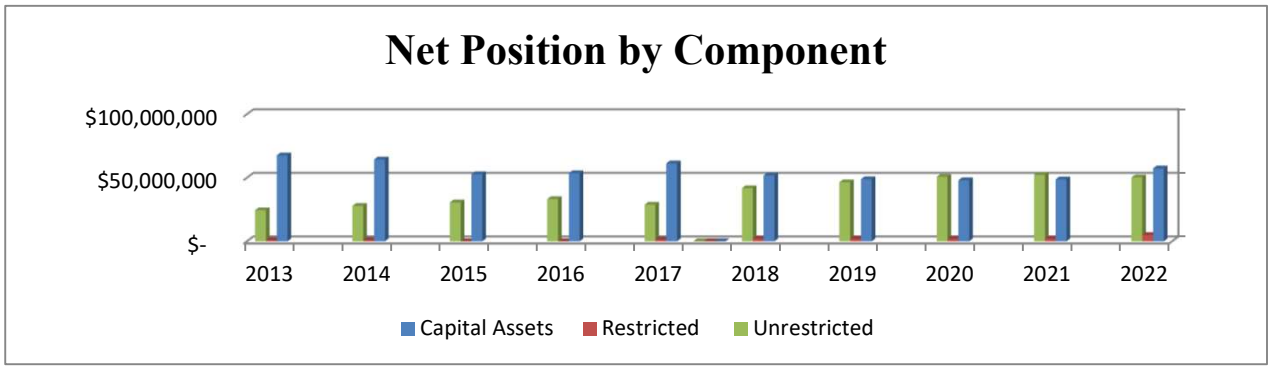
Table of Contents **Page**

Valley Sanitary District
Table of Net Position By Component
Last Ten Fiscal Years

	Fiscal Year Ended June 30				
	2022	2021	2020	2019	2018
			As Restated		
NET POSITION:					
Net investment in Capital Assets	$ 57,312,137	$ 48,752,135	$ 48,005,841	$ 48,843,501	$ 51,797,220
Restricted	4,963,830	2,005,722	2,005,722	2,005,722	1,958,648
Unrestricted	50,199,513	52,284,298	50,689,404	46,401,215	41,754,432
TOTAL NET POSITION	**$ 112,475,480**	**$ 103,042,155**	**$ 100,700,967**	**$ 97,250,438**	**$ 95,510,300**

Valley Sanitary District
Table of Net Position By Component (Continued)
Last Ten Fiscal Years

	Fiscal Year Ended June 30				
	2017	2016	2015	2014	2013
	As Restated		As Restated	As Restated	As Restated
NET POSITION:					
Net investment in Capital Assets	$ 61,242,162	$ 53,603,070	$ 52,839,192	$ 64,388,904	$ 67,535,369
Restricted	1,413,000	-	-	964,900	964,900
Unrestricted	28,777,592	33,187,943	30,548,647	27,817,622	24,444,820
TOTAL NET POSITION	**$ 91,432,754**	**$ 86,791,013**	**$ 83,387,839**	**$ 93,171,426**	**$ 92,945,089**

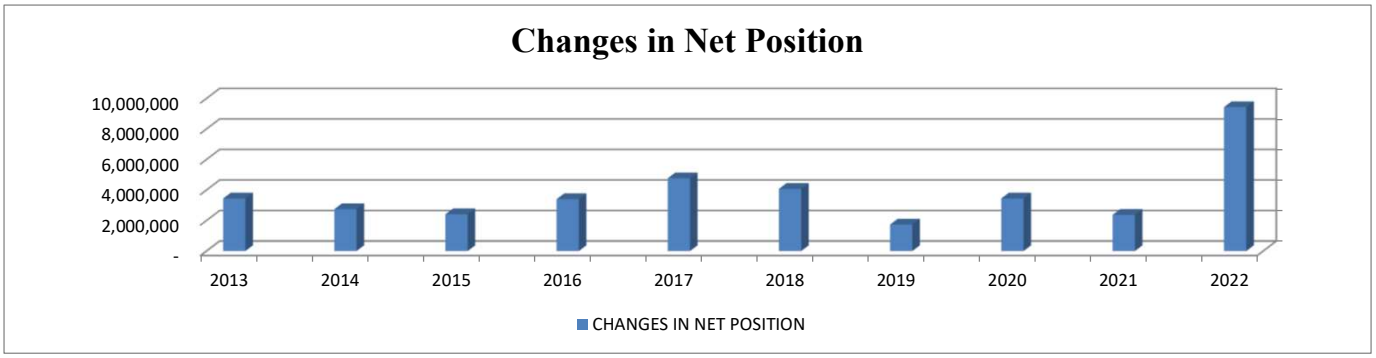


Valley Sanitary District
Statements of Revenues, Expenses, and Changes in Net Position
Last Ten Fiscal Years
Changes in Net Position

	Fiscal Year Ended June 30				
	2022	2021	2020	2019	2018
			As Restated		
OPERATING REVENUES:					
Sewer service charges	$ 15,320,784	$ 11,872,945	$ 11,198,100	$ 11,139,580	$ 11,004,428
Connection fees	4,242,643	831,978	832,348	1,010,031	1,272,580
Permits and inspection fees	44,130	37,270	21,225	25,390	17,885
Other services	18,030	13,275	13,640	10,950	10,139
TOTAL OPERATING REVENUES	19,625,587	12,755,468	12,065,313	12,185,951	12,305,032
OPERATING EXPENSES:					
General and administrative	2,435,050	2,276,350	2,270,072	2,089,490	1,652,714
Sewage collection	2,679,819	3,255,445	2,903,125	3,082,175	2,604,267
Sewage treatment	2,837,714	3,091,942	2,792,483	2,361,681	2,413,567
Sewage disposal	2,534,328	-	-	-	-
Total administrative and plant	10,486,911	8,623,737	7,965,680	7,533,346	6,670,548
Other Operating Expenses					
Depreciation		2,466,329	2,578,816	2,451,371	2,444,764
TOTAL OPERATING EXPENSES	10,486,911	11,090,066	10,544,496	9,984,717	9,115,312
NET OPERATING INCOME	9,138,676	1,665,402	1,520,817	2,201,234	3,189,720
NON-OPERATING REVENUES (EXPENSES)					
Property taxes	1,125,201	1,018,280	902,875	862,297	794,367
Homeowner's tax relief	6,668	5,669	6,203	5,873	5,978
Investment income	(606,284)	32,137	1,143,026	1,193,840	479,862
Bond issue cost		-	-	-	-
Interest expense	(110,823)	(353,399)	(391,814)	(428,612)	(412,602)
Service Grant Charge	(202,332)	-	-	-	-
Gain (loss) on disposed assets	17,908	(12,139)	30,170	(2,120,122)	19,976
Other revenues	64,311	18,017	239,253	25,628	245
TOTAL NON-OPERATING REVENUES (EXPENSES)	294,649	708,565	1,929,712	(461,096)	887,826
CHANGES IN NET POSITION	**9,433,325**	**2,373,967**	**3,450,529**	**1,740,138**	**4,077,546**
NET POSITION, beginning of the year	103,042,155	100,700,967	97,250,438	95,510,300	91,564,221
Prior period adjustments		(32,779)	-	-	(131,467)
NET POSITION, end of the year	$ 112,475,480	$ 103,042,155	$ 100,700,967	$ 97,250,438	$ 95,510,300

Valley Sanitary District
Statements of Revenues, Expenses, and Changes in Net Position (Continued)
Last Ten Fiscal Years
Changes in Net Position

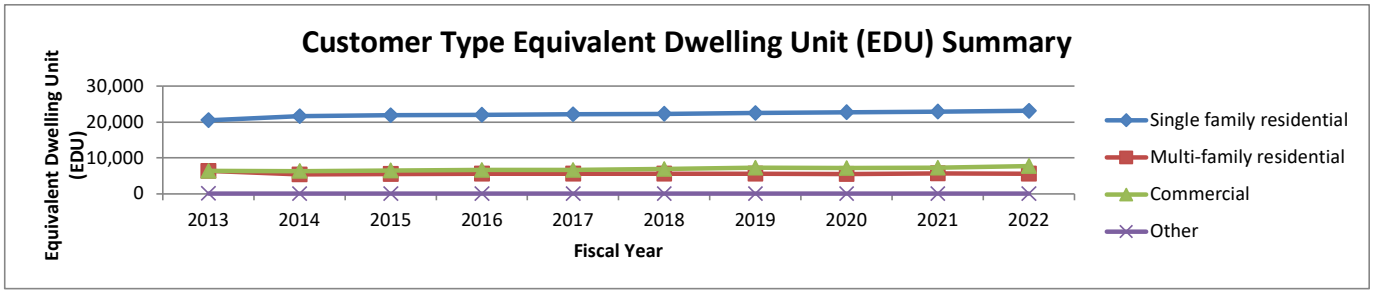
	Fiscal Year Ended June 30				
	2017	2016	2015	2014	2013
	As Restated		As Restated	As Restated	As Restated
OPERATING REVENUES:					
Sewer service charges	$ 10,846,682	$ 9,347,928	$ 9,218,538	$ 9,187,360	$ 9,053,022
Connection fees	791,280	1,446,315	897,863	1,998,788	548,527
Permits and inspection fees	22,442	21,735	17,264	40,202	12,017
Other services	11,300	7,495	27,425	46,100	7,039
TOTAL OPERATING REVENUES	11,671,704	10,823,473	10,161,090	11,272,450	9,620,605
OPERATING EXPENSES:					
General and administrative	1,297,345	1,744,274	1,819,626	1,997,332	1,403,644
Sewage collection	2,091,041	856,871	866,622	855,884	917,799
Sewage treatment	2,048,207	3,104,860	3,140,480	3,631,992	2,588,299
Sewage disposal	-	-	-	-	338
Total administrative and plant	5,436,593	5,706,005	5,826,728	6,485,208	4,910,080
Other Operating Expenses					
Depreciation	1,980,043	2,309,350	2,334,398	2,335,264	1,841,601
TOTAL OPERATING EXPENSES	7,416,636	8,015,355	8,161,126	8,820,472	6,751,681
NET OPERATING INCOME	4,255,068	2,808,118	1,999,964	2,451,978	2,868,924
NON-OPERATING REVENUES (EXPENSES)					
Property taxes	761,756	709,233	745,800	605,711	899,670
Homeowner's tax relief	6,203	6,343	6,461	6,604	6,690
Investment income	170,869	142,649	75,611	52,007	75,110
Bond issue cost	-	-	(193,516)	-	-
Interest expense	(267,220)	(279,125)	(175,454)	(402,257)	(422,157)
Service Grant Charge	-	-	-	-	-
Gain (loss) on disposed assets	(160,033)	12,188	(46,408)	14,176	-
Other revenues	6,565	3,768	310	14,735	16,890
TOTAL NON-OPERATING REVENUES (EXPENSES)	518,140	595,056	412,804	290,976	576,203
CHANGES IN NET POSITION	**4,773,208**	**3,403,174**	**2,412,768**	**2,742,954**	**3,445,127**
NET POSITION, beginning of the year	86,791,013	83,387,839	94,251,725	92,945,089	89,499,962
			(13,276,654)	(1,436,318)	
NET POSITION, end of the year	$ 91,564,221	$ 86,791,013	$ 83,387,839	$ 94,251,725	$ 92,945,089



Valley Sanitary District
Customer Type Equivalent Dwelling Unit (EDU) Summary
Last Ten Fiscal Years

	Fiscal Year Ended June 30									
Customer Type	**2022**	**2021**	**2020**	**2019**	**2018**	**2017**	**2016**	**2015**	**2014**	**2013**
Single family residential	23,142	22,908	22,704	22,516	22,321	22,180	22,061	21,863	21,623	20,514
Multi-family residential	5,612	5,685	5,521	5,613	5,623	5,635	5,643	5,513	5,431	6,389
Commercial	7,725	7,289	7,209	7,267	6,913	6,633	6,629	6,504	6,344	6,353
Other	67	67	67	67	66	63	62	62	59	103
Total	**36,546**	**35,949**	**35,501**	**35,463**	**34,923**	**34,511**	**34,395**	**33,942**	**33,457**	**33,359**

Source: Valley Sanitary District



Valley Sanitary District
Annual Sewer Use Fee
Last Ten Fiscal Years

Fixed Service Charge Per	**2022**	**2021**	**2020**	**2019**	**2018**	**2017**	**2016**	**2015**	**2014**	**2013**
Single Family Home	$ 342.72	$ 330.00	$ 313.00	$ 313.00	$ 313.00	$ 313.00	$ 270.00	$ 270.00	$ 270.00	$ 270.00
Multi Family Home	150.00	330.00	313.00	313.00	313.00	313.00	270.00	270.00	270.00	270.00
Mobile Home	181.28	330.00	313.00	313.00	313.00	313.00	270.00	270.00	270.00	270.00
RV Park	141.25	330.00	313.00	313.00	313.00	313.00	270.00	270.00	270.00	270.00
Commercial - Low/ Med Strength	199.03	330.00	313.00	313.00	313.00	313.00	270.00	270.00	270.00	270.00
Commercial - High Strength	607.00	330.00	313.00	313.00	313.00	313.00	270.00	270.00	270.00	270.00

Volumetric Rate $ per Hundred	**2022**	**2021**	**2020**	**2019**	**2018**	**2017**	**2016**	**2015**	**2014**	**2013**
Single Family Home	$ 0.98	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Multi Family Home	0.98	-	-	-	-	-	-	-	-	-
Mobile Home	0.98	-	-	-	-	-	-	-	-	-

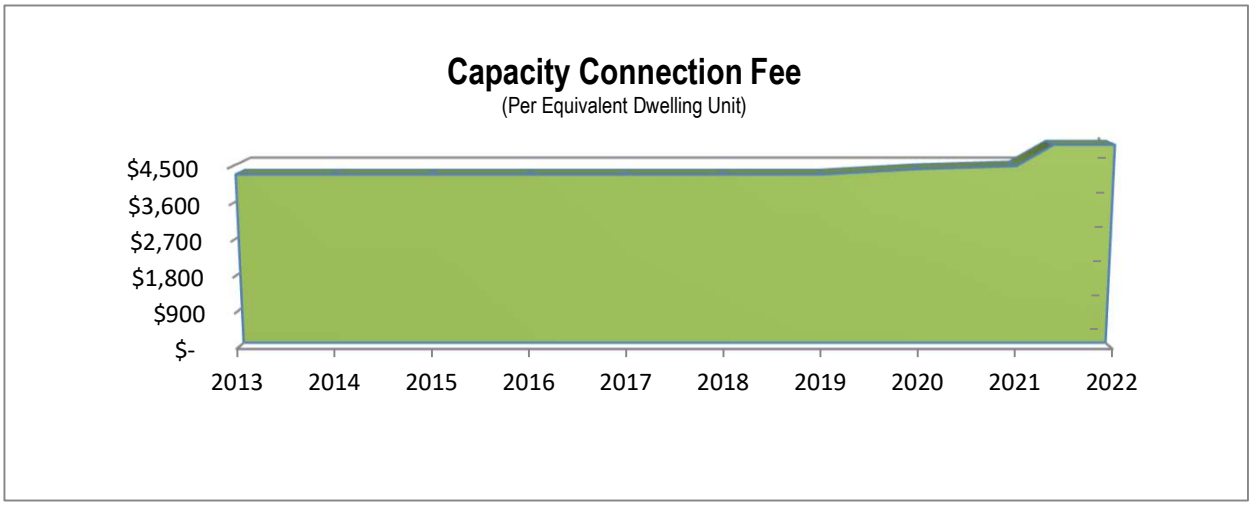
Volumetric Rate $ per Hundred	**2022**	**2021**	**2020**	**2019**	**2018**	**2017**	**2016**	**2015**	**2014**	**2013**
RV Park	$ 1.10	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Commercial - Low/ Med Strength	0.88	-	-	-	-	-	-	-	-	-
Commercial - High Strength	2.00	-	-	-	-	-	-	-	-	-

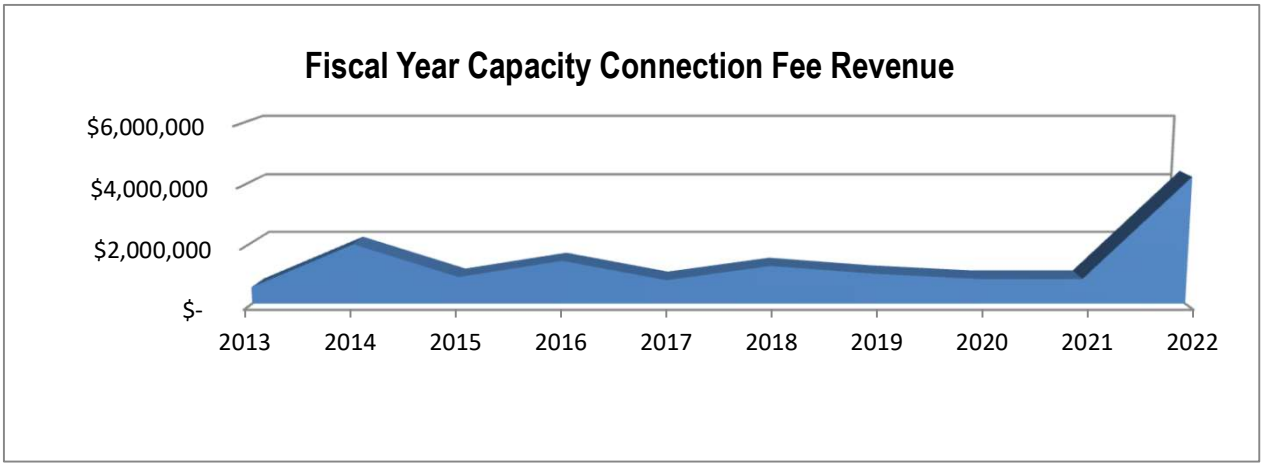
(1) In the fiscal year 2020/21 the District completed a rate study and proposed a new rate schedule commencing fiscal year 2021/22 through 2025/26.
The district published the required public hearing notices and Prop 218 notice 45 days in advance as required.
The Board of Directors held a public hearing as mandated by Prop 218 requirements and implemented the new rates commencing July 1, 2021.

Valley Sanitary District
Capacity Connection Fee and Fiscal Year Revenue
Last Ten Fiscal Years

Fiscal Year Ended June 30	Fee / EDU	Revenue
2022	$ 5,883	$ 4,242,643
2021	4,473	831,978
2020	4,400	832,348
2019	4,265	1,010,031
2018	4,265	1,272,500
2017	4,265	791,280
2016	4,265	1,446,315
2015	4,265	897,863
2014	4,265	1,998,788
2013	4,265	548,527

Source: Valley Sanitary District





Valley Sanitary District
Principal Users
Current Year and Nine Years Ago

	Year Ended June 30 2022			Year Ended June 30 2013		
Principal Users	**Amount Billed**	**Rank**	**Percent of District Total $**	**Amount Billed**	**Rank**	**Percent of District Total $**
Forager Project Inc	$ 521,539	1	3.40%	$ -		0.00%
Desert Sands Unified School District	244,101	2	1.59%	222,480	1	2.46%
Fantasy Springs Casino	148,968	3	0.97%	76,680	4	0.85%
Smoketree Polo Club Apartments	73,345	4	0.48%	77,760	3	0.86%
The Wells Mobile Home Association	65,390	5	0.43%	81,000	2	0.89%
Sunrise Point Apartments	63,587	6	0.42%	73,440	5	0.81%
Del Mar Apartments	60,991	7	0.40%	50,760	9	0.56%
Arabian Gardens Mobile Estates	55,329	8	0.36%	50,220	10	0.55%
Pueblo Del Sol Mobile Home Park	52,806	9	0.34%			
City of Indio	50,312	10	0.33%			
Casa Monroe Apartments	-	-	0.00%	61,020	8	0.67%
Indio Palms Apartments	-	-	0.00%	62,910	7	0.69%
Fred Young Housing	-	-	0.00%	70,470	6	0.78%
Bermuda Palms Mobile Estates	-	-	0.00%			
Total	**$ 1,336,368**		**8.72%**	**$ 826,740**		**9.13%**
District total customer charges	**$ 15,320,784**			**$ 9,053,022**		

Source: Valley Sanitary District

Valley Sanitary District
Ratios of Outstanding Debt by Type
Last Ten Fiscal Years

	Business-Type Activities				Total				
Fiscal Year Ended June 30	Certificates of Participation (1) (net of amortization)	Wastewater Revenue Refunding Bonds Series 2015 (2) (net of amortization)	State Water Resource Control Board Revolving Fund Loan	Bank of America Co Loan	Debt	Population (3)	Personal Income (3)	Percentage of Personal Income	Debt Per Capita
2022	$ -	3,558,673	$ 11,193,860	$ 82,628,041	$ 97,380,574	89,498	$ 28,763	3.78%	1,088
2021	-	4,374,185	11,550,856		18,496,646	89,551	24,604	0.84%	207
2020	-	5,159,697	11,901,885		17,061,582	90,387	25,143	0.75%	189
2019	-	5,910,209	12,247,046		18,157,255	89,863	24,398	0.83%	202
2018	-	6,630,721	12,586,437		19,217,158	89,127	24,994	0.86%	216
2017	-	7,321,233	7,643,459		14,964,692	88,485	23,103	0.73%	169
2016	-	7,986,745	-		7,986,745	86,544	22,336	0.41%	92
2015	-	8,637,257	-		8,637,257	84,201	20,607	0.50%	103
2014	9,379,080	-	-		9,379,080	82,398	21,702	0.52%	114
2013	9,920,254	-	-		9,920,254	81,393	20,645	0.59%	122

Sources: (1) Valley Sanitary District
(2) Valley Sanitary District - Refinancing of Certificates of Participation
(1) California Home Town Locator

Valley Sanitary District
Pledged Revenue Coverage
Last Ten Fiscal Years

Fiscal Year Ended June 30		Revenue & Expenses		Debt Service				
		Net Revenues	Operating Expenses (1)	Net Available Revenues	Principal (2)	Interest	Total	Coverage Ratio (3)
2022		$ 19,920,236	$ 7,952,583	11,967,653	$ 1,030,161	$ 414,888	$ 1,445,049	**8**
2021		13,464,033	8,623,737	4,840,296	1,030,161	414,888	1,445,049	**3**
2020		13,995,025	7,965,680	6,029,345	989,391	453,157	1,442,548	**4**
2019		14,273,589	7,533,346	6,740,243	953,718	489,831	1,443,549	**5**
2018		13,192,858	6,670,548	6,522,310	590,000	299,688	889,688	**7**
2017		12,189,844	5,436,593	6,753,251	565,000	327,938	892,938	**8**
2016		11,418,529	5,706,005	5,712,524	550,000	338,653	888,653	**6**
2015		10,573,894	5,826,728	4,747,166	-	415,378	415,378	**11**
2014		11,563,426	6,485,208	5,078,218	570,000	402,257	972,257	**5**
2013	As Restated	10,196,808	4,910,080	5,286,728	550,000	422,157	972,157	**5**

Notes:

(1) Excludes Depreciation

(2) Due to refinancing of the COPs, no principal payment was due in fiscal year 2014/2015. Costs to refinance are included in interest.

(3) The coverage ratio is a measure of the District's liquidity and how many times the District's revenues will cover their annual bond/loan expense.

Source: Valley Sanitary District

Valley Sanitary District
Principal Employers
Current Year and Ten Years Ago

	Fiscal Year Ended June 30 2022			Fiscal Year Ended June 30 2013		
Employer (1)	**Number of Employees**	**Rank**	**Percent of Total Employment**	**Number of Employees**	**Rank**	**Percent of Total Employment**
County of Riverside	1,212	1	2.93%	1,283	1	4.55%
Fantasy Springs Casino	1,130	2	2.73%	1,100	2	3.90%
Desert Sands Unified School Distric	964	3	2.33%	889	3	3.15%
John F. Kennedy Memorial Hospital	633	4	1.53%	658	4	2.33%
Walmart Supercenter	Unavailable	-	-	-	-	-
City of Indio	250	5	0.60%	235	5	0.83%
Granite Construction	-	-	0.00%	200	6	-
Riverside Superior Court	151	6	0.36%	191	7	0.68%
Indio Nursing and Rehab Center	145	7	0.35%	-		
Fiesta Forn Lincoln	137	8	0.33%			
Mathis Brothers	110	9	0.27%	107	10	0.38%
Cardena's Market	105	10	0.25%	-	-	-
Home Depot	-	-	0.00%	129	9	0.46%
Ralphs	Unavailable	-	-	-	-	0.00%
Super Targer	-	-	0.00%	180	8	0.64%
Total Employment Listed	**4,837**		**11.68%**	**4,972**		**17.63%**
Total City Employment (1)	**41,400**			**28,200**		

"Total Employment" as used above represents the total employment of all employers located within the District.

Sources: (1) City Indio 2020 CAFR

Valley Sanitary District
Total Customers and Number of Permits Issued
Last Ten Fiscal Years

Fiscal Year Ended June 30	Total Customers	Number of Permits Issued
2022	28,478	84
2021	28,239	75
2020	28,028	67
2019	27,849	67
2018	27,668	71
2017	27,535	87
2016	27,417	86
2015	27,164	69
2014	26,908	83
2013	26,807	45

Source: Valley Sanitary District

Valley Sanitary District
Demographic and Economic Statistics
Last Ten Fiscal Years

Fiscal Year Ended June 30	Population (1)	Median Age (2)	Average Household Size (1)	Median Household Income (1)	Per Capita Personal Income (1)	Unemployment Rate (3)
2022	89,498	42.50	3.05	$ 63,198	$ 28,763	4.80%
2021	89,551	42.50	3.16	58,132	24,604	8.70%
2020	90,387	44.70	3.18	57,645	25,143	17.80%
2019	89,863	43.50	3.19	56,961	24,398	5.40%
2018	89,127	40.50	3.19	56,571	24,994	5.80%
2017	88,485	35.90	3.30	54,179	23,103	5.10%
2016	86,544	34.00	3.25	53,183	22,336	7.20%
2015	84,201	32.70	3.25	50,068	20,607	6.50%
2014	82,398	34.10	3.25	50,528	21,702	10.70%
2013	81,393	34.30	3.60	47,642	20,645	11.10%

Sources: (1) California Home Town Locator
(2) City of Indio 2021 ACFR
(3) U.S. Bureau of Labor Statistics

Valley Sanitary District
Operating Indicators
Last Ten Fiscal Years

	Fiscal Year Ended June 30				
	2022	**2021**	**2020**	**2019**	**2018**
Equivalent Dwelling Units (EDU)	36,546	35,949	35,501	35,463	34,923
Rainfall (inches) (1)	1.22	0.62	5.42	6.14	2.19
Flow (MGD) (2)	5.40	5.70	5.60	5.49	5.44
CBOD (mg/L)	281.10	280.10	256.50	280.00	281.00
CBOD (PE) (3)	74,468	78,326	70,468	75,413	74,993
Suspended solids (mg/L)	266.50	252.80	252.30	279.00	266.00
Suspended solids (PE) (4)	60,010	60,088	58,917	63,872	60,342
Tonnage of biosolids produced	1,181	1,278	853	805	1,411
Tonnage of biosolids applied to land	718	934	950	1,438	0
Total waste treated (million gallons/year)	**2,113**	**2,210**	**2,211**	**2,169**	**2,081**

Notes:

(1) Annual rainfall for the Coachella Valley from www.desertweather.com

(2) Million gallons per day

(3) Carbonaceous Biochemical Oxygen Demand (CBOD) Population Equivalent (PE) based on a conversion factor of 0.17

(4) Suspended solids population equivalent based on a conversion factor of 0.20

Source: Valley Sanitary District

Valley Sanitary District
Operating Indicators (Continued)
Last Ten Fiscal Years

	Fiscal Year Ended June 30				
	2017	**2016**	**2015**	**2014**	**2013**
Equivalent Dwelling Units (EDU)	34,511	34,395	33,942	33,457	33,359
Rainfall (inches) (1)	6.46	2.90	2.70	0.92	2.02
Flow (MGD) (2)	5.31	5.30	5.57	5.97	6.18
CBOD (mg/L)	289.00	257.40	246.92	219.75	215.66
CBOD (PE) (3)	75,285	66,928	68,446	63,706	65,385
Suspended solids (mg/L)	262.00	234.2	192.08	188.25	219.83
Suspended solids (PE) (4)	68,252	51,755	45,096	47,083	57,263
Tonnage of biosolids produced	1,362	468	1,440	1,505	1,882
Tonnage of biosolids applied to land	1,162	0	1,440	1,200	718
Total waste treated (million gallons/year)	**2,080**	**2,022**	**2,034**	**2,254**	**2,257**

Notes:

(1) Annual rainfall for the Coachella Valley from www.desertweather.com

(2) Million gallons per day

(3) Carbonaceous Biochemical Oxygen Demand (CBOD) Population Equivalent (PE) based on a conversion factor of 0.17

(4) Suspended solids population equivalent based on a conversion factor of 0.20

Source: Valley Sanitary District

Valley Sanitary District
Capital Assets and Operating Information
Last Ten Fiscal Years

	Fiscal Year Ended June 30				
	2022	2021	2020	2019	2018
Sanitary Sewer Service Operations					
Equivalent Dwelling Units (EDUs)	36,546	35,949	35,501	35,463	34,923
Treatment Plant Operations					
Plant flow					
(Units = Million Gallons Per Day (mgd))					
Monthly average	164.3	173	170	167	165
Permit limitation (dry weather)	12.50	12.50	12.50	12.50	12.50
Annual rainfall (inches) (1)	1.22	0.62	5.42	6.14	2.19
Collection System Operations					
Sewer lines					
Length (ft)	1,341,120	1,341,120	1,341,120	1,341,120	1,351,680
Inspected (ft)	159,128	245,652	167,913	158,940	174,030
Cleaned (ft)	596,717	697,896	610,629	741,600	728,314

Notes:
(1) Annual rainfall for the Coachella Valley from www.desertweather.com

Source: Valley Sanitary District

Valley Sanitary District
Capital Assets and Operating Information (Continued)
Last Ten Fiscal Years

	Fiscal Year Ended June 30				
	2017	**2016**	**2015**	**2014**	**2013**
Sanitary Sewer Service Operations					
Equivalent Dwelling Units (EDUs)	34,511	34,395	33,942	33,457	33,359
Treatment Plant Operations					
Plant flow					
(Units = Million Gallons Per Day (mgd))					
Monthly average	161	161	170	182	188
Permit limitation (dry weather)	12.50	12.50	13.50	13.50	11.00
Annual rainfall (inches) (1)	6.46	2.90	2.70	0.92	2.02
Collection System Operations					
Sewer lines					
Length (ft)	1,335,840	1,336,682	1,323,035	1,298,880	1,288,320
Inspected (ft)	135,472	175,178	136,838	106,350	95,040
Cleaned (ft)	731,159	796,840	708,071	562,472	776,160

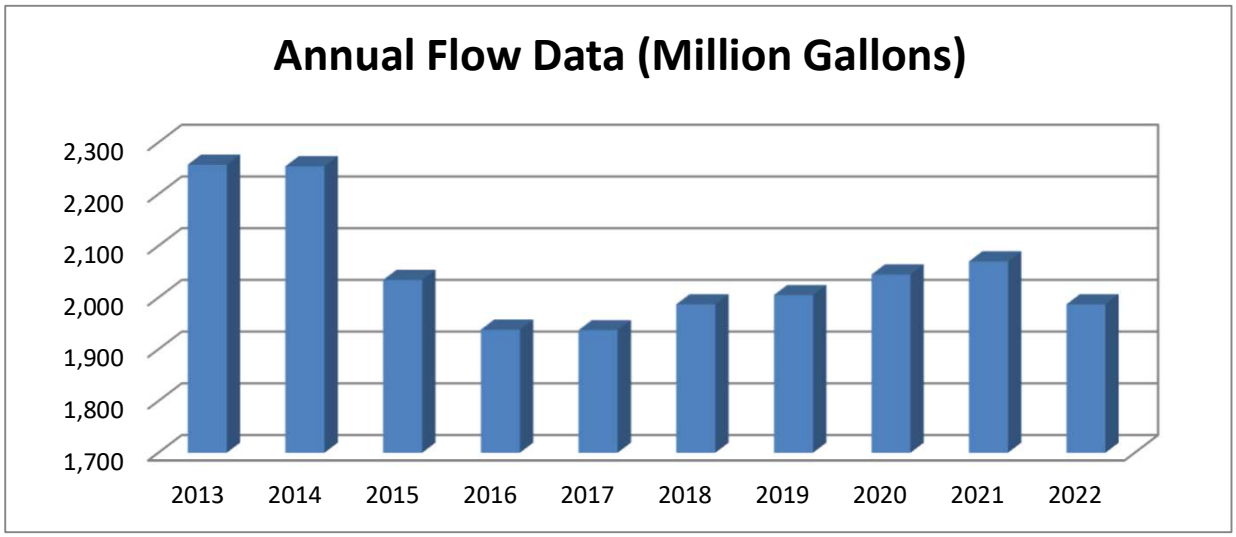
Notes:
(1) Annual rainfall for the Coachella Valley from www.desertweather.com

Source: Valley Sanitary District

Valley Sanitary District
Annual Flow Data (Million Gallons)
Last Ten Fiscal Years

Fiscal Year Ended 30-Jun	Annual Flow
2022	1,987
2021	2,070
2020	2,045
2019	2,005
2018	1,987
2017	1,937
2016	1,938
2015	2,034
2014	2,254
2013	2,257

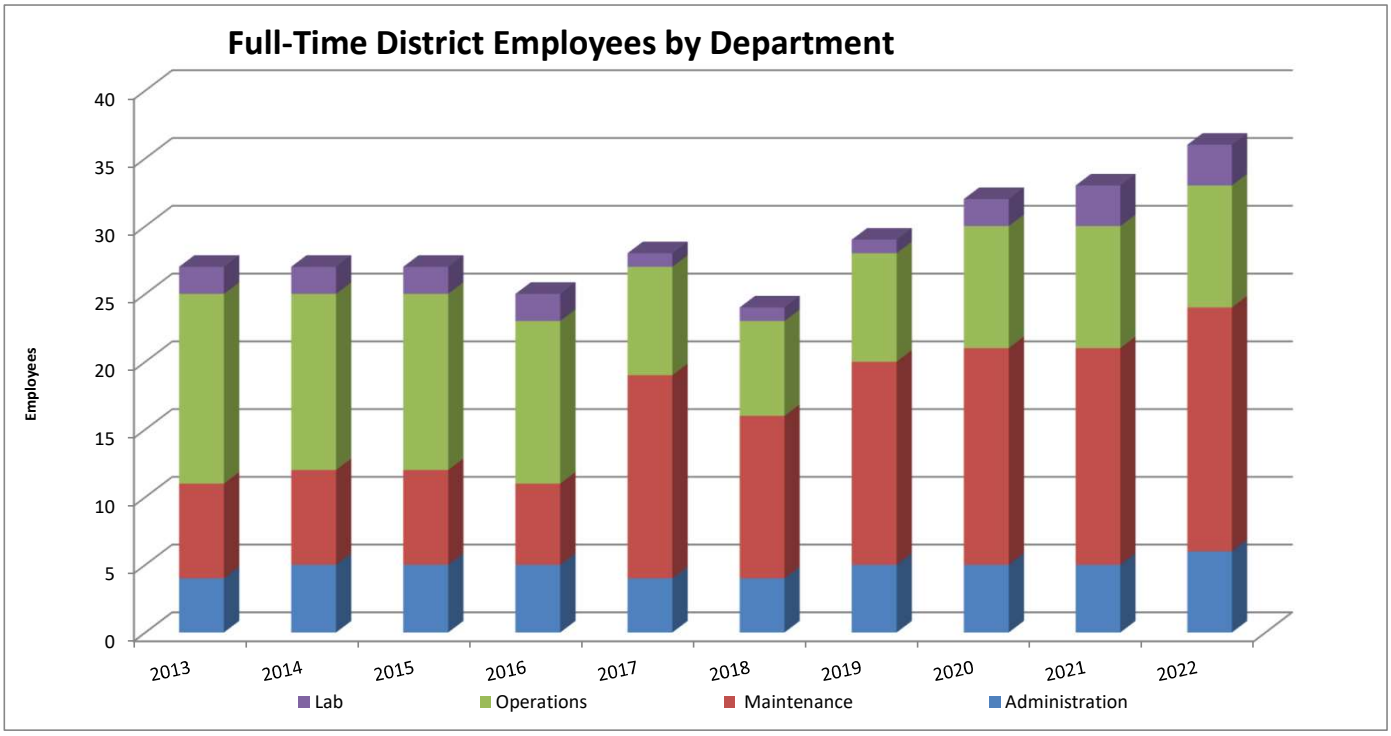
Source: Valley Sanitary District



Valley Sanitary District
Full-Time District Employees by Department
Last Ten Fiscal Years

Fiscal Year Ended June 30	Administration	Engineering & Maintenance	Operations	Lab	Total
2022	6	18	9	3	36
2021	5	16	9	3	33
2020	5	16	9	2	32
2019	5	15	8	1	29
2018	4	12	7	1	24
2017	4	15	8	1	28
2016	5	6	12	2	25
2015	5	7	13	2	27
2014	5	7	13	2	27
2013	4	7	14	2	27

Source: Valley Sanitary District



This page intentionally left blank

Valley Sanitary District strives to provide exceptional service to each and every one of our community members. By collecting, treating, and recycling wastewater our mission is to ensure a healthy environment and sustainable water supply.

45500 Van Buren Street Indio, CA 92201

(760) 238-5400

www.valley-sanitary.org

ITEM 6.2
ACTION

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Ron Buchwald, District Engineer**
SUBJECT:	**Authorize the General Manager to Execute a Professional Services Contract with Leighton Consulting, Inc. for Third-Party Inspection Services for the Recycled Water Project - Phase I in an Amount Not to Exceed $152,000**

Suggested Action
Approve

Strategic Plan Compliance
GOAL 3: Excellent Facilities

Fiscal Impact
The total fiscal impact with 20% contingency is $152,000. This cost is included in the Recycled Water Project - Phase 1 budget and reimbursed from the Bank of America loan.

Environmental Review
This item is not a "Project" as defined by CEQA and does not require any CEQA action.

Background
VSD is in need of geotechnical and materials testing as well as special inspection services as part of our Recycled Water Project - Phase 1. This is required to confirm that all earthwork and compaction efforts are met, that concrete, steel rebars, welding, anchoring, etc. all meet the design specifications. The Schneider Electric design-build team cannot oversee their own work and therefore, a third-party consultant that specializes in this work is needed to oversee this effort.

On September 27, 2022, staff released a Request for Proposal (RFP) to provide the required testing and special inspections needed for the Recycled Water Project - Phase 1. On November 3, VSD received six proposals from consultants who specialize in this work. A committee reviewed the six proposals and scored them per the scoring criteria in the RFP. Leighton Consulting scored the highest of the six proposals. Leighton Consulting has several offices in southern California, including an office in Palm Desert that will be utilized for this project. Leighton Consulting also provided the geotechnical

work needed to design this project, so they are familiar with VSD's plant and this project. Leighton Consulting also provided a competitive price for this three-year project. However, not all consultants provided a total cost because it is based on assumptions of the actual work needed and not on anything quantifiable.

Leighton Consulting's proposal (as are the other five proposals) is based on assumptions of the needed testing and inspection work over the course of the three-year project. The amount of work needed is not quantifiable and could not anticipate changes in work or if additional testing is needed. Leighton Consulting's proposed cost is $126,800. Staff is recommending the addition of a 20% contingency to cover unanticipated costs and to account for the increase to the prevailing wages during the contract term. If additional fees are needed to complete the testing and inspection work, staff will seek authorization from the Board.

Recommendation
Staff recommends that the Board of Directors authorize the General Manager to execute a professional services contract with Leighton Consulting, Inc. for third-party inspection services for the Recycled Water Project - Phase I in an amount not to exceed $152,000.

Attachments
VSD Third Party Testing and Special Inspection RFP.pdf
Scoring & Proposal Cost Sheet .pdf
Leighton.pdf
Converse Consultants.pdf
AESCO.pdf

REQUEST FOR PROPOSALS (RFP) RECYCLED WATER

PROJECT PHASE 1 – TESTING AND SPECIAL INSPECTION

SERVICES

Release Date: September 27, 2022

Deadline for Submission: November 3, 2022

Contact Person: Ron Buchwald, District Engineer

Valley Sanitary District
45-500 Van Buren
St Indio, CA 92201

1 INTRODUCTION

VSD is a small, public agency organized under the Health and Safety Code of the State of California. As a California Special District, VSD has responsibility for the operation and maintenance of the sanitary sewer collection system and wastewater treatment within the City of Indio and portions of Coachella, La Quinta, and unincorporated Riverside County.

A. General Information

VSD is in the Coachella Valley about 20 miles southwest of the Palm Springs airport. VSD is a wastewater district, founded in 1925, operating under the Sanitary District Act of 1923. The District has over 28,000 service connections in a 19.5 square mile service area serving a population of about 75,000 in the communities of Indio, Coachella, La Quinta, and unincorporated Riverside County.

Keeping infrastructure up to date and reliable is a significant part of the District's commitment to provide quality service to its customers. Capital improvement and replacement projects are necessary to replace aging underground infrastructure and to ensure that the District offers superior treatment to meet environmental standards.

VSD is seeking proposals from qualified consultants to perform quality control testing and special inspection services for the Recycled Water Project: Phase 1. Proposers are allowed to partner with other firms to submit a proposal so that the entire scope of work can be met. In this case, only one proposal should be submitted to Valley Sanitary District and details on the qualifications, experience, firm organization, and project team from each partnering firm should be provided.

The technical specifications and drawings for this project have can be downloaded at the following URL: https://www.dropbox.com/sh/7ql59suzqe30cr5/AABSxVKSyN2wZje2s1nh1-KRa?dl=0. The proposing consultant is responsible for the complete review of these project documents to determine the scope required to complete testing and inspection for this project.

All proposals must be received at Valley Sanitary District, 45-500 Van Buren Street, Indio, CA 92201 by **4:00 p.m. on Thursday, November 3, 2022**. Please refer to Section 3, Proposal Format and Section 5, Proposal Due Date and Delivery for details.

Proposals received after the deadline will not be considered. Each proposal must be sealed, and the envelope must be clearly marked with the name of the proposer and the words "**Response to RFP – Recycled Water Project**

Phase 1 – Testing and Inspection". This RFP and the successful Proposer's response will be included in any contract awarded from this RFP; modifications will be determined by and between VSD and the successful Proposer. VSD reserves the right to accept or reject any or all proposals.

B. Background

The Recycled Water Project – Phase 1 consists of several plant upgrades**,** referred to as Energy Conservation Measures (ECMs) described below:

ECM 1 – Mechanical Bar Screen

This includes the removal of the existing manual bar screen and replacing it with a multi-rake mechanical bar screen with ¼" bar spacing and continuous raking. Includes replacement of the existing conveyor with one that extends the full width of the two existing mechanical bar screens and the new one.

ECM 2 – Grit Chamber

Includes demolishing the concrete basin south of bar screens and decommissioning the aerated grit removal tank. Includes installation of a new vortex grit chamber. The new grit chamber will come with two new grit pumps, a grit collector and two grit classifiers. It will attach to the existing 5'-wide concrete effluent channel that will be extended to accommodate this new grit chamber. A new 54" raw sewage pipe will convey the wastewater from the grit chamber to the existing primary sedimentation basins. The existing 48" raw sewage pipe connecting to the existing grit removal tank will be abandoned in place. The existing grit tank will be cleaned and abandoned in place and the existing sump pump will be returned to Valley Sanitary District. The 30" raw sewage pipe near the aerated grit tank, existing grit classifiers, existing sump pump panel, foul air blower, and associated pipes/appurtenances will all be demolished.

ECM 3 – Waste Activated Sludge Thickening – Rotary Screw Thickeners

This includes the installation of two (2) rotary screw thickener units. Each of the two installed thickener units will have a dedicated polymer blending and feed unit, flocculation tank, wash water pump, and TWAS pump. The two thickener units and ancillary equipment will be mounted on a concrete pad under a canopy. Wall panels on the south side and west side will be constructed to provide a wind block and limit direct sun exposure.

ECM 4 – 2nd Digester and Related Systems, Including Secondary Flare

Includes installation of an additional anaerobic digester (No. 1) west of Digester No. 2 and installation of a second flare. The new digester will be the same size as existing Digester No. 1 (85-ft diameter). Includes pumped mixing system, digester gas handling, raw sludge feed and digested feed withdrawal. Digester gas will be flared at this stage.

Supporting equipment includes an additional boiler, digester mixing pumps 1 and 2, sludge recirculation pumps 1 and 2, a sludge transfer pump, hot water recirculation pumps 1 and 2, and subloop hot water recirculation pumps 1 and 2. Supporting digester equipment will be on a concrete pad under a canopy. New MCC-DJ will be installed in Building C to support new digester and related system loads.

The new flare will be a 4" flare, allowing for a reduced range of operation than the existing 6" flare can support. The 4" flare will support plant flow from the current rate of 5.5 MGD up to 7.5 MGD with a capacity of 2,000 – 9,000 CFH. The combination of the new 4" and existing 6" will accommodate the range of plant flow up to 20 MGD. The existing scrubber system is designed to treat up to 15,000 CFH of digester gas; it is sufficient to handle the additional digester gas production of the project.

ECM 5– Switchboard-MS Replacement
Includes the demolition of existing MCC-H and demolition and replacement of SWBD-MS. The existing SWBD-MS and MCC-H are located in the blower building. MCC-H is no longer in service and will be fully demolished. The replacement SWBD-MS will be located outside, adjacent to the existing blower building. This scope of work will involve temporary power during the shutdown.

ECM 6 – Returning Sludge Dewatering Filtrate
This scope of work includes the return subnatant and dewatering filtrate to the plant's upstream liquid treatment processes for reprocessing.

For subnatant return, the scope of work includes constructing an 8-inch gravity pipe to convey subnatant flow to the primary effluent channel. The hydraulics will be verified during detailed design based on the water surface, length, and fittings of the interconnecting pipe.

For dewatering filtrate return, the scope of work includes constructing a new Drain Pump Station 3 (PS3) adjacent to the North Cell with an enclosure or a canopy. The pump station primarily consists of duplex self-priming pumps, a local control panel, and a flow meter. This also includes construct a 12-inch discharge pipe to convey flows from the North Cell to the proposed grit removal facility and providing the power supply for the Drain PS3 from Electrical Building D.

2 SCOPE OF SERVICES

VSD anticipates a project scope that includes activities outlined below; however, proposers should develop a plan of work they believe will most effectively meet VSD's objectives. The selected consultant or consultants

(Consultant) will be required to perform all necessary materials testing and special inspection required to complete the project.

The following Scope of Services describes the specific tasks to be performed by the Consultant. If the Consultant believes that the project can be enhanced in any way by the addition of other tasks or the deletion of any specified tasks, such information should be included in the proposal.

The Concrete, Steel, and Epoxy Inspections are to be performed by the Special Inspector(s). Field observation and testing will be performed as necessary for quality control of earthwork. Please refer to drawings GS2 and GS3 included in Appendix A for further details related to this project.

A. Objectives

This proposal is meant to solicit a consultant who can perform special inspection for the construction project which meets the following objectives:

1. Provide and maintain sufficient field personnel to administer and manage construction contract.
2. Coordinate and communicate with the project's Design-Build Entity, Schneider Electric for requests for interpretation or clarification of meaning and intent of project plans and specifications. For reference, the Engineer of Record is Stantec.
3. Provide soil compaction and materials testing certifications of compliance (COC).
4. Ensure that contractors do not install materials without approved material testing certifications. Any failed tests shall be reported and direct contractor to take correction measures to achieve compliance.

B. Scope of Work

The scope of work involves all necessary special inspection and testing requirements to complete the project. Specifically, the scope of work shall include the following:

1. Review background information, including but not limited to:

    a. Regulatory requirements, code requirements, and other contractual requirements.
    b. Operational requirements.
    c. Other pertinent data, as necessary.

2. Attend meetings and conference calls with staff as needed. An initial in- person meeting is assumed. After that, meetings can take place via conference call or in-person.
3. Perform special inspections as described below.
    a. Concrete Special Inspections - The services to be performed by the consultant firm in accordance with 2019 CBC Section 1705.3, include, but are not limited to:
        - Concrete Placement Inspection
        - Rebar and Prestressing Tendon Placement Inspection
        - Pre and Post Tension Stressing Inspection
        - Reinforcing Steel Welding Inspection
        - Cast-In-Place Anchors Inspection
        - Post-Installed Anchors Inspection
        - Concrete and Grout Materials Testing
        - Reinforcing Steel Materials Testing
        - Precast Concrete Member Erection Inspection
        - Precast Plant Inspection
        - Batch Plant Inspection
        - Concrete Mix Design Review (Verifying use of required design mix)
        - Formwork Inspection
        - Verification of In-Situ Concrete Strength Prior to Removal of Shores and Forms
        - Curing Temperature and Techniques Inspection

    b. Soils Special Inspections – The services to be performed by the consultant firm in accordance with 2019 CBC Section 1705.6, include, but are not limited to:
        - In-Situ Soil Classification and Testing of Controlled Fill Materials
        - Excavation Stability and Suitability Assessment
        - Subgrade Suitability Assessment
        - Soil Compaction Inspection
        - Soil Compaction Testing
        - Stabilized base and subbase materials inspection
        - Rigid and flexible pavement construction testing

- Deep foundation excavation inspection
- Pile driving inspection
- Proctor Tests

c. Structural Steel Inspections – The services to be performed by the consultant firm in accordance with the quality assurance and quality control inspection requirements of AISC 360 and AISC 341, include, but are not limited to:

- Welding Inspection (prior, during, and after welding)
- Welding Nondestructive and Destructive Testing
- High-Strength Bolting Inspection (prior, during, and after bolting)
- Inspection of Placement of Anchor Rods and Other Embedments Supporting Structural Steel
- Load Testing of Cast-In-Place Bolts and Embedments
- High-Strength Bolts Material Testing (Hardness, Tensile Strength)
- Torque Verification of High-Strength Bolting
- Fabricated Steel or Erected Steel Frame Inspection
- Material Verification of Structural Steel
- Steel Frame Joint Details Inspection
- Base Plate Grouting Including Grout Pad Heights Inspection
- Curtain Wall Attachments Inspection
- Shop Fabrication Inspection
- Review of Welding Procedure and Welding Qualifications

d. Post-Installed Anchor Special Inspections – The services to be performed by the inspection firm, include, but are not limited to:

- Epoxy Anchor Inspection
- Mechanical Anchor Inspection
- Torque Verification

e. Asphalt Inspections – The services to be performed by the inspection firm, include, but are not limited to:

- Asphalt Inspection

- Asphalt Materials Testing
- Batch Plant Inspection
- Asphalt Mix Design Review

The consultant shall provide an hourly rate based on current Prevailing Wage Rates for field personnel to perform the services as described above. The tests can be listed as a separate item for each sample.

The consultant shall provide a daily report of inspections and provide the District the details of the testing.

3 PROPOSAL FORMAT

A. Approach / Methodology

Provide a brief description, in a fashion that shows your understanding and ability, of how you intend to approach and/or accomplish each item listed in the scope of services. You may include suggested alternatives or additions to tasks and expectations listed in scope of services. If your firm is not within a 100-mile radius of the Coachella Valley, please specify what work will be done in-person at VSD's offices.

B. Professional Qualifications and Experience

Provide a description of professional qualifications including relevant background experience working with public agencies. Notate any environmentally friendly and/or green practices that the proposing firm implements.

Provide three client references with phone numbers for similar services of similar scope provided by the Proposer within the past five years. A minimum of two references must be from a public agency. Specify the client, location, Proposer's project team, scope of work, and an example of similar work performed.

C. Firm Organization and Project Team

The proposal should include information about the Proposer's organization, including but not limited to the following.

- type of ownership (sole proprietor, partnership, corporation, etc.)
- number of years in business
- listing of primary services provided
- size of firm

The proposal should identify key personnel proposed and roles for

this project. Include biographies and experience on similar projects.

D. Proposed Project Schedule

The proposal will include a projected schedule for items listed in scope of work. The project is anticipated to start on **March 27, 2023,** and be completed within 3 years.

E. Proposed Costs

Indicate costs, hourly and/or if project specific, and expected hours required for completing each task listed in the RFP. Include any additional costs for projects or tasks you may feel will be helpful that are not listed in the RFP.

Hourly rates shall reflect Prevailing Wage rates for those positions that are required to be paid such rates for services rendered. A DIR Number shall also be provided for those services under which work is to be proposed, for all work completed under Prevailing Wage items (soils testing, design/construction surveying, Capital Improvement Projects inspection/observation), etc. It is understood the hourly rate will change annually with the wage determination issued by the State Department of Industrial Relations.

4. SELECTION PROCESS

A. Qualifications

All proposals received by the deadline will be evaluated by VSD. Only information which is received in response to the RFP, or any subsequent interview will be evaluated. VSD will judge the responses of each proposing firm in the specified critical areas. Selected Proposers may be invited to an oral interview.

B. Selection Criteria

VSD will select the most qualified proposal based on the following factors.

Responses to the RFP should address the qualities and criteria that are listed below at a minimum:

- Experience and qualifications of assigned staff **(20 points)**

  The selected consultant shall provide the stated services in accordance with the applicable regulations and policies of the State of California and the Valley Sanitary District. Individuals performing the inspection shall be qualified to do so in the State of California. The consultant shall have sufficiently extensive experience in the Riverside County region and have experience in working in a municipal environment.

- References (particularly public agencies) and relevant work performed

for those references **(20 points)**

- Firm/entity key personnel assigned to the project **(10points)**

- Demonstrated ability to competently implement the scope of services **(20 points)**

- Demonstrated understanding of issues raised by District in RFP and completeness in addressing the scope of work **(30 points)**

While VSD desires to achieve the most cost-effective services, the emphasis is on the ability to best meet the needs stated in this RFP, and not necessarily the lowest cost proposal.

C. Proposed Selection Process and Project Schedule

1. Selection Process
   Staff will recommend to the Board of Directors the firm who achieved the most points during the evaluations of proposals by the evaluation team.

2. Project Schedule

RFP Solicitation Package Released	September 27, 2022
Written Inquiry Submissions Due	October 14, 2022
VSD Response to Written Inquiries	October 21, 2022
Proposals Due	**November 3, 2022**
Proposal Evaluations	Week of November 7th
Consultant Interviews (if necessary)	Week of November 14th
Board Approval	December 13, 2022
Execution of Contract	January 2023
Services begin & Kick-off Meeting	March 2023

3. Required Documents
   The proposal must include all required documents, including evidence of the required insurance coverage. Failure of the successful Proposer to make a timely submission to VSD may result in a rescission of acceptance of the proposal by VSD and award of contract to another proposer.

4. Disclaimer
   This RFP does not commit VSD to award a contract or to pay any costs incurred in the preparation of a proposal in response to this Request. VSD reserves the right to accept or reject any or all proposals received, to negotiate with qualified proposers or to cancel the Request.

   VSD may require the Proposer to submit additional data or information

the District deems necessary to substantiate the costs presented by the proposer. VSD may also require the proposer to revise one or more elements of its proposal in accordance with contract negotiations. VSD reserves the right to evaluate proposals for a period of 90 days before deciding which proposal, if any, to accept.

D. Award of Agreement

It is expected that notice of an approved agreement for services will be made by VSD's General Manager no later than January 31, 2023.

PLEASE NOTE: VSD does not pay for services before it receives them. Therefore, do not propose contract terms that call for up-front payments or deposits. Monthly invoices may be submitted to VSD for work completed and at the satisfaction of VSD. VSD reimburses direct expenses only at actual cost – not cost plus some percentage or markup.

5. PROPOSAL DUE DATE AND DELIVERY

Proposals must be submitted in the format described below and are to be prepared in such a way as to provide a straightforward, concise description of capabilities to satisfy the requirements of this RFP. The Proposer shall submit 5 printed, double- sided proposal(s); expensive bindings, colored displays, or promotional materials, are neither necessary nor desired. Emphasis should be concentrated on conformance to the RFP instructions, responsiveness to the RFP requirements, and on completeness and clarity of content. An electronic PDF version should be directed to Ron Buchwald, Engineering Services Manager, at rbuchwald@valley-sanitary.org.

Proposals should be delivered to VSD at 45-500 Van Buren Street, Indio, CA 92201. All copies of the proposal are to be clearly marked with the words "**Response to RFP – Recycled Water Project Phase 1 – Testing and Special Inspection**," and should be submitted no later than **4:00 p.m. on Thursday, November 3, 2022**. Faxed proposals will not be accepted. All copies received by the deadline will be date and time stamped. Postmarks will not count toward meeting the deadline. Proposals will not be accepted after the deadline.

6. CONDITIONS OF REQUEST

A. General Conditions

VSD reserves the right to cancel or reject all or a portion or portions of the request for proposals without notice. Further, VSD makes no representations that any agreement will be awarded to any professional submitting a proposal. VSD reserves the right to reject any and all proposals submitted in response to this request or any addenda thereto. VSD also reserves the right to reject any sub-Consultant or individual working on a Consultant team and

to replace the sub- Consultant or individual with a mutually acceptable replacement. Any changes to the proposal requirements will be made by written addendum.

B. Liability of Costs and Responsibility

VSD shall not be liable for any costs incurred in response to this request for proposals. All costs shall be borne by the person or professional responding to the request. The person or professional responding to the request shall hold VSD harmless from any and all liability, claim or expense whatsoever incurred by or on behalf of that person or professional. All submitted material becomes the property of Valley Sanitary District.

The selected lead Consultant will be required to assume responsibility for all services offered in the proposal even if they do not possess them within their professional abilities. The selected lead Consultant will be the sole point of contact regarding contractual matters, including payment of all charges resulting from the contract.

C. Validity

The proposing firm agrees to be bound by its proposal for a period of 90 days commencing on date the proposals are due, during which time VSD may request clarification or correction of the proposal for the purpose of evaluation.

Amendments or clarifications shall not affect the remainder of the proposal, but only that portion so amended or clarified.

D. Professional Services Agreement

Any exceptions to terms, conditions, or other requirements must be clearly stated no later than 10 days following the Consultant's receipt of the contract document. Otherwise, VSD will consider that the successful proposing firm will be responsible for compliance. The Professional Service Agreement will not be executed by VSD without first being signed by the proposing firm.

E. Oral and Written Explanations

VSD will not be bound by oral explanations or instructions given at any time during the review process or after the award. Written inquiries regarding the details of the RFP must be submitted on or before the date listed in Section 4 C. VSD will post written questions and responses on VSD's website on date listed in Section 4 C., at: www.valley-sanitary.org.

F. Proposer's Representative

The person signing the proposal must be a legal representative of the firm authorized to bind the firm to an agreement in the event of the award.

G. Insurance

All proposing firms should meet and maintain the minimum insurance requirements for the length of the agreement.

APPENDIX A – DRAWINGS GS-2 AND GS-3

STATEMENT OF SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED IN ACCORDANCE WITH THE 2019 CBC CHAPTER 17. THE OWNER WILL ENGAGE THE SERVICES OF A QUALIFIED SPECIAL INSPECTOR, WHO WILL PROVIDE ALL SERVICES NECESSARY TO MEET THE CBC SPECIAL INSPECTION REQUIREMENTS.

2. SPECIAL INSPECTIONS WILL BE PROVIDED DURING ALL FABRICATION AND CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE NOTES AND SCHEDULES ON THIS DRAWING.

3. SPECIAL INSPECTION FOR THE SEISMIC FORCE RESISTING SYSTEM AND MECHANICAL AND ELECTRICAL EQUIPMENT WILL BE PROVIDED AS INDICATED BELOW:

   A. SEISMIC FORCE RESISTING SYSTEM:

      1. WALL CONNECTIONS TO THE FOUNDATION: SPECIAL INSPECTION OF WALL DOWELS INTO THE FOUNDATION. SPECIAL INSPECTION FOR ALL CONCRETE ANCHOR INSTALLATION WHERE REQUIRED IN ACCORDANCE WITH IBC TABLE 1705.3.

   B. MECHANICAL AND ELECTRICAL COMPONENTS AS NOTED BELOW:

      1. PERIODIC SPECIAL INSPECTION IS REQUIRED DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS

      2. PERIODIC SPECIAL INSPECTION IS REQUIRED DURING THE INSTALLATION OF ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT.

      3. PERIODIC SPECIAL INSPECTION IS REQUIRED DURING THE INSTALLATION OF VIBRATION ISOLATION SYSTEMS.

4. ADDITIONAL SPECIAL INSPECTIONS WILL BE PROVIDED WHERE REQUIRED BY IBC CHAPTER 17.

CONTRACTOR RESPONSIBILITY

1. EACH CONTRACTOR RESPONSIBLE FOR THE FABRICATION OR CONSTRUCTION OF A MAIN WIND-FORCE-RESISTING SYSTEM OR MAIN SEISMIC-FORCE RESISTING SYSTEM OR COMPONENT LISTED ABOVE SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.

STRUCTURAL OBSERVATIONS:

1. STRUCTURAL OBSERVATIONS WILL BE PROVIDED IN ACCORDANCE WITH THE 2019 CBC. THE OWNER WILL EMPLOY THE ENGINEER OF RECORD, HIS/HER DESIGNEE, OR A [STATE] REGISTERED DESIGN PROFESSIONAL TO PERFORM STRUCTURAL OBSERVATIONS, AND WHO WILL PROVIDE ALL SERVICES NECESSARY TO MEET THE CBC STRUCTURAL OBSERVATIONS REQUIREMENTS.

2. STRUCTURAL OBSERVATIONS WILL BE PROVIDED DURING ALL FABRICATION AND CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE NOTES AND SCHEDULES ON THIS DRAWING.

3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE STRUCTURAL OBSERVER AT LEAST 3 BUSINESS DAYS PRIOR TO EACH REQUIRED STRUCTURAL OBSERVATION.

SCHEDULE OF STRUCTURAL OBSERVATIONS

CONCRETE CONSTRUCTION	WHAT TO OBSERVE
FOUNDATIONS - PRIOR TO THE FIRST CONCRETE POUR, BUT AFTER SUBSTANTIAL PLACEMENT OF REINFORCING STEEL, WATERSTOPS, ANCHORS, AND OTHER EMBEDDED ITEMS	REVIEW FOUNDATION REINFORCEMENT, INCLUDING ADDITIONAL REINFORCEMENT AT PENETRATIONS REVIEW WALL DOWELS; ENSURE ADDITIONAL DOWELS ASSOCIATED WITH OPENINGS IN WALL AND JAMB STEEL ARE IN PLACE REVIEW WATERSTOP INSTALLATION, TIE-OFFS, AND JOINTS REVIEW ANCHOR BOLT PLACEMENT, HOLD-DOWN ANCHORS, AND OTHER STEEL EMBEDS. REVIEW PIPING AND CONDUIT PLACEMENT
WALLS - PRIOR TO THE FIRST CONCRETE POUR, BUT AFTER SUBSTANTIAL PLACEMENT OF REINFORCING STEEL, WATERSTOPS, ANCHORS, AND OTHER EMBEDDED ITEMS	REVIEW WALL REINFORCEMENT, INCLUDING ADDITIONAL REINFORCEMENT AT PENETRATIONS REVIEW WATERSTOP INSTALLATION, TIE-OFFS, AND JOINTS REVIEW ANCHOR BOLT PLACEMENT, HOLD-DOWN ANCHORS, AND OTHER STEEL EMBEDS. REVIEW PIPING AND CONDUIT PLACEMENT
ELEVATED SLABS - PRIOR TO THE FIRST CONCRETE POUR, BUT AFTER SUBSTANTIAL PLACEMENT OF REINFORCING STEEL, WATERSTOPS, ANCHORS, AND OTHER EMBEDDED ITEMS	REVIEW SLAB REINFORCEMENT, INCLUDING ADDITIONAL REINFORCEMENT AT PENETRATIONS REVIEW WALL DOWELS; ENSURE ADDITIONAL DOWELS ASSOCIATED WITH OPENINGS IN WALL AND JAMB STEEL ARE IN PLACE

INSPECTION OF STRUCTURAL STEEL CONSTRUCTION

1. SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE AND QUALITY CONTROL INSPECTION REQUIREMENTS OF AISC 360 AND AISC 341.

2. THE CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL PROCEDURES IN ACCORDANCE WITH THE REQUIREMENTS OF AISC 360 CHAPTER N AND AISC 341 CHAPTER J.

3. THE OWNER IS RESPONSIBLE FOR QUALITY ASSURANCE PROCEDURES IN ACCORDANCE WITH THE REQUIREMENTS OF AISC 360 CHAPTER N AND AISC 341 CHAPTER J.

4. THE INSPECTION TABLES AND NOTES PROVIDED ON THIS SHEET ARE INTENDED ONLY TO ASSIST THE CONSTRUCTION PERSONNEL IN IDENTIFYING QUALITY CONTROL AND QUALITY ASSURANCE INSPECTION REQUIREMENTS. THE REQUIREMENTS OF AISC 360 CHAPTER N AND AISC 341 CHAPTER J ARE MINIMUM REQUIREMENTS, AND THE QUALITY CONTROL INSPECTOR(S) AND QUALITY ASSURANCE INSPECTOR(S) ARE RESPONSIBLE FOR MEETING ALL REQUIREMENTS OF AISC 360 CHAPTER N AND AISC 341 CHAPTER J, WHETHER INDICATED ON THIS SHEET OR NOT. IF ANY INSPECTIONS ARE REQUIRED IN ADDITION TO THE AISC 360 CHAPTER N AND AISC 341 CHAPTER J INSPECTIONS, SUCH INSPECTIONS ARE INDICATED ON THIS SHEET. IF A DISCREPANCY EXISTS BETWEEN THE REQUIREMENTS OF AISC 360 CHAPTER N AND AISC 341 CHAPTER J AND THE REQUIREMENTS OF THIS DRAWING, THE MORE STRINGENT REQUIREMENT SHALL APPLY, UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.

INSPECTION OF WELDING PER AISC 360

AS A MINIMUM WELDING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES N5.4-1, N5.4-2 AND N5.4-3. INSPECTION TASKS ARE AS FOLLOWS:

O- OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P- PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER.

INSPECTION TASKS PRIOR TO WELDING (AISC 360 TABLE N5.4-1)

INSPECTION TASK PRIOR TO WELDING	INSPECTION		AWS D1.1/D1.1M REFERENCES
	QUALITY CONTROL	QUALITY ASSURANCE	
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	P	P	6.3
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P	6.2
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O	6.2
WELDER IDENTIFICATION SYSTEM (1)	O	O	6.4
FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY) -JOINT PREPARATION -DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) -CLEANLINESS (CONDITION OF SURFACES) -TACKING (QUALITY AND LOCATION) -BACKING TYPE AND FIT (IF APPLICABLE)	O	O	6.5.2 5.22 5.15 5.18 5.10, 5.22.1.1
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O	6.5.2, 5.17, AISC J1.6
FIT-UP OF FILLET WELDS -DIMENSIONS (ALIGNMENT, GAPS AT ROOT) -CLEANLINESS (CONDITION OF SURFACES) -TACKING (QUALITY AND LOCATION)	O	O	5.22.1 5.15 5.18
CHECK WELDING EQUIPMENT	O	-	6.2, 5.11
THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.			

INSPECTION TASKS DURING WELDING (AISC 360 TABLE N5.4-2)

INSPECTION TASK DURING WELDING	INSPECTION		AWS D1.1/D1.1M REFERENCES
	QUALITY CONTROL	QUALITY ASSURANCE	
USE OF QUALIFIED WELDERS	O	O	6.4
CONTROL AND HANDLING OF WELDING CONSUMABLES -PACKAGING -EXPOSURE CONTROL	O	O	6.2 5.3.1 5.3.2 (FOR SMAW), 5.3.3 (FOR SAW)
NO WELDING OVER CRACKED TACK WELDS	O	O	5.18
ENVIRONMENTAL CONDITIONS -WIND SPEED WITHIN LIMITS -PRECIPITATION AND TEMP	O	O	5.12.1 5.12.2
WPS FOLLOWED: -SETTINGS ON WELDING EQUIP. -TRAVEL SPEED -SELECTED WELDING MATERIALS -SHIELDED GAS TYPE/FLOW RATE -PREHEAT APPLIED -INTERPASS TEMPERATURE (MIN/MAX) -PROPER POSITION (F, V, H, OH)	O	O	6.3.3, 6.5.2, 5.5, 5.21 5.6, 5.7
WELDING TECHNIQUES -INTERPASS AND FINAL CLEANING -EACH PASS WITHIN PROFILE LIMITATIONS -EACH PASS MEETS QUALITY REQUIREMENTS	O	O	6.5.2, 6.5.3, 5.24 5.30.1

INSPECTION TASKS AFTER WELDING (AISC 360 TABLE N5.4-3)

INSPECTION TASKS AFTER WELDING	INSPECTION		AWS D1.1/D1.1M REFERENCES
	QUALITY CONTROL	QUALITY ASSURANCE	
WELDS CLEANED	O	O	5.30.1
SIZE, LENGTH AND LOCATION OF WELDS	P	P	6.5.1
WELDS MEET VISUAL ACCEPTANCE CRITERIA -CRACK PROHIBITION -WELD/BASE METAL FUSION -CRATER CROSS SECTION -WELD PROFILES -WELD SIZE -UNDERCUT -POROSITY	P	P	6.5.3 TABLE 6.1(1) TABLE 6.1(2) TABLE 6.1(3) TABLE 6.1(4), 5.24 TABLE 6.1(6) TABLE 6.1(7) TABLE 6.1(8)
ARC STRIKES	P	P	5.29
K-AREA (1)	P	P	-
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P	5.10, 5.31
REPAIR ACTIVITIES	P	P	6.5.3, 5.26
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P	6.5.4, 6.5.5
WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PREFORMED IN THE K-AREA, VISUALLY INPSECT THE WED K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.			

INSPECTION OF WELDING PER AISC 341

AS A MINIMUM WELDING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES J6-1, J6-2 AND J6-3. INSPECTION TASKS ARE AS FOLLOWS:

OBSERVE (O) - THE INSPECTOR SHALL OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS.

PERFORM (P) - THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.

DOCUMENT (D) - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE REPORT NEED NOT PROVIDE DETAILED MEASUREMENT FOR JOINT FIT-UP, WPS SETTINGS, COMPLETED WELDS, OR INDIVIDUAL ITEMS LISTED IN THE TABLES. FOR SHOP FABRICATION, THE REPORT SHALL INDICATE THE PIECE MARK OF THE PIECE INSPECTED. FOR FIELD WORK, THE REPORT SHALL INDICATE THE REFERENCE GRID LINES AND FLOOR OR ELEVATION INSPECTED. WORK NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND WHETHER THE NON-COMPLIANCE HAS BEEN SATISFACTORILY REPAIRED SHALL BE NOTED IN THE INSPECTION REPORT.

VISUAL INSPECTION TASKS PRIOR TO WELDING (AISC 341 TABLE J6-1)

VISUAL INSPECTION TASK PRIOR TO WELDING	QUALITY CONTROL		QUALITY ASSURANCE	
	TASK	DOC.	TASK	DOC.
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	-	O	-
WELDER IDENTIFICATION SYSTEM	O	-	O	-
FIT-UP GROOVE WELDS (INCLUDING JOINT GEOMETRY) -JOINT PREPARATION -DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) -CLEANLINESS (CONDITION OF SURFACES) -TACKING (QUALITY AND LOCATION) -BACKING TYPE AND FIT (IF APPLICABLE)	P/O**	-	O	-
CONFIGURATION AND FINISH OF ACCESS HOLES	O	-	O	-
FIT-UP OF FILLET WELDS -DIMENSIONS (ALIGNMENT, GAPS AT ROOT) -CLEANLINESS (CONDITION OF SURFACES) -TACKING (QUALITY AND LOCATION)	P/O**	-	O	-
**FOLLOWING PERFORMANCE OF THIS INSPECTION TASK FOR TEN WELDS TO BE MADE BY A GIVEN WELDER, WITH THE WELDER DEMONSTRATING UNDERSTANDING OF REQUIREMENTS AND POSSESSION OF SKILLS AND TOOLS TO VERIFY THESE ITEMS, THE "PERFORM" DESIGNATION OF THIS TASK SHALL BE REDUCED TO "OBSERVE", AND THE WELDER SHALL PERFORM THIS TASK. SHOULD THE INSPECTOR DETERMINE THAT THE WELDER HAS DISCONTINUED PERFORMANCE OF THIS TASK, THE TASK SHALL BE RETURNED TO "PERFORM" UNTIL SUCH TIME AS THE INSPECTOR HAS RE-ESTABLISHED ADEQUATELY ASSURANCE THAT THE WELDER WILL PERFORM THE INSPECTION TASKS LISTED.				

VISUAL INSPECTION TASKS DURING WELDING (AISC 341 TABLE J6-2)

VISUAL INSPECTION TASK DURING WELDING	QUALITY CONTROL		QUALITY ASSURANCE	
	TASK	DOC.	TASK	DOC.
WPS FOLLOWED: -SETTINGS ON WELDING EQUIP. -TRAVEL SPEED -SELECTED WELDING MATERIALS -SHIELDED GAS TYPE/FLOW RATE -PREHEAT APPLIED -INTERPASS TEMPERATURE (MIN/MAX) -PROPER POSITION (F, V, H, OH) -INTERMIX OF FILLER METALS AVOIDED UNLESS APPROVED	O	-	O	-
USE OF QUALIFIED WELDERS	O	-	O	-
CONTROL AND HANDLING OF WELDING CONSUMABLES -PACKAGING -EXPOSURE CONTROL	O	-	O	-
ENVIRONMENTAL CONDITIONS -WIND SPEED WITHIN LIMITS -PRECIPITATION AND TEMP	O	-	O	-
WELDING TECHNIQUES -INTERPASS AND FINAL CLEANING -EACH PASS WITHIN PROFILE LIMITATIONS -EACH PASS MEETS QUALITY REQUIREMENTS	O	-	O	-
NO WELDING OVER CRACKED TACK WELDS	O	-	O	-

REVIEWED BY: VALLEY SANITARY DISTRICT

_____ DATE

PLAN CHECKED BY:

CONTRACTOR:				–	
				–	
INSPECTOR:				–	
				–	
DATE COMPLETED:				–	
				–	
AS BUILT COMP. DATE:	–	–	–	–	–
	BY	DATE			
CONSTRUCTION RECORD	ENGINEER		REVISIONS	APP'D	DATE

BENCHMARK: _____ BASIS OF BEARING

DRAWN BY: V HO

PREPARED FOR: VSD

PROJECT No.:

SCALE: NO SCALE

DESIGNER'S SEAL

ENGINEER:

NAME DATE

R.C.E. No. XXXXX, EXP. XX/XX/XX

NAME OF FIRM:

FIRM ADDRESS:

TELEPHONE # FAX #

APPROVER'S SEAL

APPROVED BY:

NAME
TITLE
RCE No. C XXXXX

DATE: _____

VSD

VALLEY SANITARY DISTRICT
RECYCLED WATER PROJECT - PHASE I

STANDARD NOTES - II

SITE ADDRESS:

I.P. No. XX-XXX

SHEET No.

GS-2

OF XX SHEETS

CITY FILE No.

10% DESIGN SUBMITTAL-NOT FOR CONSTRUCTION

INSPECTION OF HIGH STRENGTH BOLTS PER AISC 360

AS A MINIMUM BOLTING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES N5.6-1, N5.6-2 AND N5.6-3. INSPECTION TASKS ARE AS FOLLOWS:

O- OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P- PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.

INSPECTION TASKS PRIOR TO BOLTING (AISC 360 TABLE N5.6-1)

INSPECTIN TASKS PRIOR TO BOLTING	INSPECTION	
	QUALITY CONTROL	QUALITY ASSURANCE
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	O	O
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	O
CONNECTED ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O

INSPECTION TASKS DURING BOLTING (AISC 360 TABLE N5.6-2)

INSPECTION TASKS DURING BOLTING	INSPECTION	
	QUALITY CONTROL	QUALITY ASSURANCE
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O

INSPECTION TASKS AFTER BOLTING (AISC 360 TABLE N5.6-3)

VERIFICATION AND INSPECTION	INSPECTION	
	QUALITY CONTROL	QUALITY ASSURANCE
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P

INSPECTION OF HIGH STRENGTH BOLTS AISC 341

AS A MINIMUM BOLTING INSPECTION TASKS SHALL BE IN ACCORDANCE WITH TABLES J7-1, J7-2 AND J7-3. INSPECTION TASKS ARE AS FOLLOWS:

OBSERVE (O) - THE INSPECTOR SHALL OBSERVE THESE FUNCTIONS ON A RANDOM, DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATIONS.

PERFORM (P) - THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.

DOCUMENT (D) - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

INSPECTION TASKS PRIOR TO BOLTING (AISC 341 TABLE J7-1)

INSPECTION TASKS PRIOR TO BOLTING	QUALITY CONTROL		QUALITY ASSURANCE	
	TASK	DOC.	TASK	DOC.
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL	O	-	O	-
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	O	-	O	-
CONNECTED ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	-	O	-
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	D	O	D
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	-	O	-

INSPECTION TASKS DURING BOLTING (AISC 341 TABLE J7-2)

INSPECTION TASKS DURING BOLTING	QUALITY CONTROL		QUALITY ASSURANCE	
	TASK	DOC.	TASK	DOC.
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	O	-	O	-
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	-	O	-
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	-	O	-
BOLTS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.	O	-	O	-

INSPECTION TASKS AFTER BOLTING (AISC 341 TABLE J7-3)

INSPECTION TASKS AFTER BOLTING	QUALITY CONTROL		QUALITY ASSURANCE	
	TASK	DOC.	TASK	DOC.
DOCUMENT ACCEPTED OR REJECTED CONNECTIONS	P	D	P	D

OTHER STRUCTURAL STEEL INSPECTION TASKS (AISC 360 WITH MODIFICATIONS)

ADDITIONAL INSPECTION REQUIREMENTS OF THE QUALITY ASSURANCE PROCEDURES ARE AS FOLLOWS:

A) INSPECTION SHALL BE PERFORMED DURING THE PLACEMENT OF THE ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OF THE EMBEDMENT INTO THE CONCRETE, SHALL BE VERIFIED PRIOR TO THE PLACEMENT OF CONCRETE.

B) INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS APPROPRIATE, TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

C) MATERIAL VERIFICATION OF STRUCTURAL STEEL:

I) IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.

II) MANUFACTURERS' VERTIFIED MILL TEST REPORTS.

D) INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:

I) DETAILS SUCH AS BRACING AND STIFFENING.

II) MEMBERS LOCATIONS

III) APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

E) INSPECTION OF BASE PLATE GROUTING INCLUDING GROUT PAD HEIGHTS.

OTHER INSPECTION TASKS (AISC 341 TABLE J8-1)

OTHER INSPECTION TASKS	QUALITY CONTROL		QUALITY ASSURANCE	
	TASK	DOC.	TASK	DOC.
RBS REQUIREMENTS, IF APPLICABLE -CONTOUR AND FINISH -DIMENSIONAL TOLERANCES	P	D	P	D
PROTECTED ZONE - NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE.	P	D	P	D

INSPECTION OF CONCRETE CONSTRUCTION

1. SPECIAL INSPECTION FOR CONCRETE CONSTRUCTION WILL BE IN ACCORDANCE WITH 2019 CBC SECTION 1705.3 AND THE FOLLOWING TABLE.

VERIFICATION AND INSPECTION	INSPECTION		REFERENCED STANDARD (A)	CBC REFERENCE
	CONTINUOUS	PERIODIC		
INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING STEEL, AND PLACEMENT.	-	X	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2 ITEM 2b.	-	-	AWS D1.4 ACI 318: 26.6.4	-
INSPECTION OF ANCHORS CAST IN CONCRETE	-	X	ACI 318 - 17.8.2	-
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (B). A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED DEFINED BY PART A.	X -	- X	ACI 318-17.8.2.4 ACI 318- 17.8.2	-
VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.10
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.4, 7-26,4.9	1908.9
INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: 26.8	-
VERIFICATION OF IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.10.2	-
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	X	ACI 318: 26.10.1 (B)	-

(A) WHERE APPLICABLE, SEE ALSO CBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

(B) SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 355.2 OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS WILL BE AS SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND WILL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

INSPECTION OF SOILS

1. SPECIAL INSPECTION FOR SOIL WILL BE IN ACCORDANCE WITH CBC SECTION 1705.6 AND THE FOLLOWING TABLE.

VERIFICATION AND INSPECTION	INSPECTION	
	CONTINUOUS	PERIODIC
VERIFY MATERIALS BELOW FOOTINGS AND SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	-	X
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	-
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

REVIEWED BY: VALLEY SANITARY DISTRICT

_____ _____
DATE

PLAN CHECKED BY:

CONTRACTOR:				–		
INSPECTOR:				–		
				–		
DATE COMPLETED:				–		
				–		
AS BUILT COMP. DATE:	–	–	–	–	–	
	BY	DATE				
CONSTRUCTION RECORD	ENGINEER		REVISIONS	APP'D	DATE	

BENCHMARK:_____

BASIS OF BEARING

DRAWN BY: V HO

PREPARED FOR: VSD

PROJECT No.:

SCALE: NO SCALE

DESIGNER'S SEAL

ENGINEER:

_____
NAME DATE

R.C.E. No. XXXXX, EXP. XX/XX/XX

NAME OF FIRM:

FIRM ADDRESS:

TELEPHONE # FAX #

APPROVER'S SEAL

APPROVED BY:

_____
NAME
TITLE
RCE No. C XXXXX

DATE:_____

VSD

VALLEY SANITARY DISTRICT
RECYCLED WATER PROJECT - PHASE I

STANDARD NOTES - III

SITE ADDRESS:

I.P. No. XX-XXX

SHEET No.

GS-3

OF XX SHEETS

CITY FILE No.

100% DESIGN SUBMITTAL-NOT FOR CONSTRUCTION

APPENDIX B – PROFESSIONAL SERVICES AGREEMENT

VALLEY SANITARY DISTRICT
PROFESSIONAL SERVICES AGREEMENT
FOR
TESTING AND SPECIAL INSPECTION SERVICES

This Agreement is made and entered into as of _____, 20____ by and between the Valley Sanitary District, a California Special District ("District"), and [***INSERT NAME***], a [***INSERT TYPE OF ENTITY - CORPORATION, PARTNERSHIP, SOLE PROPRIETORSHIP OR OTHER LEGAL ENTITY***] with its principal place of business at [***INSERT ADDRESS***] (hereinafter referred to as "Consultant"). District and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement.

RECITALS

A. District is a public agency of the State of California and is in need of professional services for the following project:

Recycled Water Project Phase 1 – Testing and Special Inspection Services
(hereinafter referred to as "the Project").

B. Consultant is duly licensed and has the necessary qualifications to provide such services.

C. The Parties desire by this Agreement to establish the terms for District to retain Consultant to provide the services described herein.

AGREEMENT

NOW, THEREFORE, IT IS AGREED AS FOLLOWS:

1. Services. Consultant promises and agrees to furnish to the District all labor, materials, tools, equipment, services, and incidental and customary work necessary to fully and adequately supply the professional consulting services necessary for the Project. Consultant shall provide the District with the services described in the scope of services attached hereto as Exhibit "A" and by this reference incorporated herein.

2. Compensation.

a. The District shall pay for such services in accordance with the Schedule of Charges set forth in Exhibit "A" attached hereto and by this reference incorporated herein. In no event shall the total amount paid for services rendered by Consultant under this Agreement exceed the sum of **[***INSERT AMOUNT WRITTEN OUT***]** ($**[***INSERT NUMBER***]**). This amount is to cover all printing and related costs, and the District will not pay any additional fees for printing expenses.

b. Periodic payments shall be made within thirty (30) days of receipt of an undisputed invoice which includes a detailed description of the work performed. Payments to Consultant for work performed will be made on a monthly billing basis. The District may withhold a portion of an application for payment because of defective work not remedied or unsatisfactory prosecution of the work by the Consultant. The District will release any withheld funds upon Consultant satisfactorily remedying the issue that resulted in the withholding. The District will not

pay late fees to the Consultant on the compensation due Consultant under the terms of this Agreement.

c. Payment shall not constitute acceptance of any work completed by Consultant. The making of final payment shall not constitute a waiver of any claims by the District for any reason whatsoever.

3. Additional Work. If changes in the work seem merited by Consultant or District, and informal consultations with the other Party indicate that a change is warranted, it shall be processed in the following manner: a letter outlining the changes shall be forwarded to the District by Consultant with a statement of estimated changes in fee or time schedule. An amendment to this Agreement shall be prepared by the District and executed by the Parties before performance of such services, or the District will not be required to pay for the changes in the scope of work. Such amendment shall not render ineffective or invalidate unaffected portions of this Agreement.

4. Term of Agreement.

a. The term of this Agreement shall be from [*******INSERT DATE*******] to [*******INSERT DATE*******], unless earlier terminated as provided herein. [***INSERT THE FOLLOWING SENTENCE FOR MULTI-YEAR, AUTOMATIC RENEWAL NOT TO EXCEED THREE CONSECUTIVE YEARS; OTHERWISE, ALWAYS DELETE: The District shall have the unilateral option, at its sole discretion, to renew this Agreement automatically for no more than [INSERT NUMBER] additional one-year terms.***] Consultant shall complete the services within the term of this Agreement, and shall meet any other established schedules and deadlines. The Parties may, by mutual, written consent, extend the term of this Agreement if necessary, to complete the services.

b. Consultant shall complete the services within the term of this Agreement and in accordance with the schedule set forth in Exhibit "A" attached hereto and by this reference incorporated herein.

c. Consultant shall perform its services in a prompt and timely manner and shall commence performance upon receipt of written notice from the District to proceed.

5. Delays in Performance.

a. Neither District nor Consultant shall be considered in default of this Agreement for delays in performance caused by circumstances beyond the reasonable control of the non-performing Party. For purposes of this Agreement, such circumstances include but are not limited to, abnormal weather conditions; floods; earthquakes; fire; epidemics; war; riots and other civil disturbances; strikes, lockouts, work slowdowns, and other labor disturbances; sabotage or judicial restraint.

b. Should such circumstances occur, the non-performing Party shall, within a reasonable time of being prevented from performing, give written notice to the other Party describing the circumstances preventing continued performance and the efforts being made to resume performance of this Agreement.

6. Consultant's Books and Records.

a. Consultant shall keep and shall preserve for four (4) years after final completion of the project, accurate and detailed records of all ledgers, books of account, invoices, vouchers, cancelled checks, and other documents or records evidencing or relating to the work, services and disbursements charged to the District under this Agreement (collectively, "Books and Records"). Any and all Books and Records must be maintained in accordance with generally accepted accounting principles and must be sufficiently complete and detailed so as to permit an accurate evaluation of the services provided by Consultant under this Agreement. During such four (4) year period, Consultant shall give the District and its agents, during normal business hours, access to such Books and Records. The District and its agents shall have the right to make copies of any of the said Books and Records.

b. Where the District has reason to believe that any of the Books and Records required to be maintained by this section may be lost or discarded due to dissolution or termination of Consultant's business, the District may, by written request, require that custody of such Books and Records be given to a person or entity mutually agreed upon and such Books and Records thereafter shall be maintained by such person or entity at Consultant's expense. Access to the Books and Records shall be granted to the District and its representatives.

7. Compliance with Law.

a. Consultant shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local government, including Cal/OSHA requirements.

b. If required, Consultant shall assist the District, as requested, in obtaining and maintaining all permits required of Consultant by federal, state and local regulatory agencies.

8. Permits, Licenses, Fees and Other Charges. Consultant shall, in accordance with applicable laws and ordinances, obtain at its expense all permits and licenses necessary to accomplish the services. Failure to maintain a required license or permit may result in immediate termination of this Agreement.

9. Qualifications. Consultant represents and warrants to the District that it has the qualifications, experience, licenses, and facilities necessary to properly perform the services in a competent and professional manner.

10. Standard of Care. Consultant's services will be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions.

11. Assignment and Subconsultant. Consultant shall not assign, sublet, or transfer this Agreement or any rights under or interest in this Agreement without the written consent of the District, which may be withheld for any reason. Any attempt to so assign or so transfer without such consent shall be void and without legal effect and shall constitute grounds for termination. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement. Nothing contained herein shall prevent Consultant from employing independent associates and subconsultants as Consultant may deem appropriate to assist in the performance of services hereunder.

12. Independent Contractor. Consultant is retained as an independent contractor and is not an employee of District. No employee or agent of Consultant shall become an employee of District. The work to be performed shall be in accordance with the work described in this Agreement, subject to such directions and amendments from District as herein provided.

13. Insurance. Consultant shall not commence work for the District until it has provided evidence satisfactory to the District it has secured all insurance required under this section. In addition, Consultant shall not allow any subcontractor to commence work on any subcontract until it has secured all insurance required under this section.

a. Commercial General Liability

(i) The Consultant shall take out and maintain, during the performance of all work under this Agreement, in amounts not less than specified herein, Commercial General Liability Insurance, in a form and with insurance companies acceptable to the District.

(ii) Coverage for Commercial General Liability insurance shall be at least as broad as the following:

(1) Insurance Services Office Commercial General Liability coverage (Occurrence Form CG 00 01) or exact equivalent.

(iii) Commercial General Liability Insurance must include coverage for the following:

(1) Bodily Injury and Property Damage
(2) Personal Injury/Advertising Injury
(3) Premises/Operations Liability
(4) Products/Completed Operations Liability
(5) Aggregate Limits that Apply per Project
(6) Explosion, Collapse and Underground (UCX) exclusion deleted
(7) Contractual Liability with respect to this Agreement
(8) Property Damage
(9) Independent Consultants Coverage

(iv) The policy shall contain no endorsements or provisions limiting coverage for (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; (3) products/completed operations liability; or (4) contain any other exclusion contrary to the Agreement.

(v) The policy shall give District, its officers, employees, agents and District designated volunteers additional insured status using ISO endorsement forms CG 20 10 10 01 and 20 37 10 01, or endorsements providing the exact same coverage.

(vi) The general liability program may utilize either deductibles or provide coverage excess of a self-insured retention, subject to written approval by the District, and provided that such deductibles shall not apply to the District as an additional insured.

b. Automobile Liability

(i) At all times during the performance of the work under this Agreement, the Consultant shall maintain Automobile Liability Insurance for bodily injury and property damage including coverage for owned, non-owned and hired vehicles, in a form and with insurance companies acceptable to the District.

(ii) Coverage for automobile liability insurance shall be at least as broad as Insurance Services Office Form Number CA 00 01 covering automobile liability (Coverage Symbol 1, any auto).

(iii) The policy shall give District, its officers, employees, agents and District designated volunteers additional insured status.

(iv) Subject to written approval by the District, the automobile liability program may utilize deductibles, provided that such deductibles shall not apply to the District as an additional insured, but not a self-insured retention.

c. Workers' Compensation/Employer's Liability

(i) Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions before commencing work under this Agreement.

(ii) To the extent Consultant has employees at any time during the term of this Agreement, at all times during the performance of the work under this Agreement, the Consultant shall maintain full compensation insurance for all persons employed directly by him/her to carry out the work contemplated under this Agreement, all in accordance with the "Workers' Compensation and Insurance Act," Division IV of the Labor Code of the State of California and any acts amendatory thereof, and Employer's Liability Coverage in amounts indicated herein. Consultant shall require all subconsultants to obtain and maintain, for the period required by this Agreement, workers' compensation coverage of the same type and limits as specified in this section.

d. Professional Liability (Errors and Omissions)

At all times during the performance of the work under this Agreement the Consultant shall maintain professional liability or Errors and Omissions insurance appropriate to its profession, in a form and with insurance companies acceptable to the District and in an amount indicated herein. This insurance shall be endorsed to include contractual liability applicable to this Agreement and shall be written on a policy form coverage specifically designed to protect against acts, errors or omissions of the Consultant. "Covered Professional Services" as designated in the policy must specifically include work performed under this Agreement. The policy must "pay on behalf of" the insured and must include a provision establishing the insurer's duty to defend.

e. Minimum Policy Limits Required

(i) The following insurance limits are required for the Agreement:

Coverage	Combined Single Limit
Commercial General Liability	$1,000,000 per occurrence/ $2,000,000 aggregate for bodily injury, personal injury, and property damage
Automobile Liability	$1,000,000 per occurrence for bodily injury and property damage
Employer's Liability	$1,000,000 per occurrence
Professional Liability	$1,000,000 per claim and aggregate (errors and omissions)

(ii) Defense costs shall be payable in addition to the limits.

(iii) Requirements of specific coverage or limits contained in this section are not intended as a limitation on coverage, limits, or other requirement, or a waiver of any coverage normally provided by any insurance. Any available coverage shall be provided to the parties required to be named as Additional Insured pursuant to this Agreement.

f. Evidence Required

Prior to execution of the Agreement, the Consultant shall file with the District evidence of insurance from an insurer or insurers certifying to the coverage of all insurance required herein. Such evidence shall include original copies of the ISO CG 00 01 (or insurer's equivalent) signed by the insurer's representative and Certificate of Insurance (Acord Form 25-S or equivalent), together with required endorsements. All evidence of insurance shall be signed by a properly authorized officer, agent, or qualified representative of the insurer and shall certify the names of the insured, any additional insureds, where appropriate, the type and amount of the insurance, the location and operations to which the insurance applies, and the expiration date of such insurance.

g. Policy Provisions Required

(i) Consultant shall provide the District at least thirty (30) days prior written notice of cancellation of any policy required by this Agreement, except that the Consultant shall provide at least ten (10) days prior written notice of cancellation of any such policy due to non-payment of premium. If any of the required coverage is cancelled or expires during the term of this Agreement, the Consultant shall deliver renewal certificate(s) including the General Liability Additional Insured Endorsement to the District at least ten (10) days prior to the effective date of cancellation or expiration.

(ii) The Commercial General Liability Policy and Automobile Policy shall each contain a provision stating that Consultant's policy is primary insurance and that any insurance, self-insurance or other coverage maintained by the District or any named insureds shall not be called upon to contribute to any loss.

(iii) The retroactive date (if any) of each policy is to be no later than the effective date of this Agreement. Consultant shall maintain such coverage continuously for a period of at least three years after the completion of the work under this Agreement. Consultant

shall purchase a one (1) year extended reporting period A) if the retroactive date is advanced past the effective date of this Agreement; B) if the policy is cancelled or not renewed; or C) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement.

(iv) All required insurance coverages, except for the professional liability coverage, shall contain or be endorsed to provide waiver of subrogation in favor of the District, its officials, officers, employees, agents, and volunteers or shall specifically allow Consultant or others providing insurance evidence in compliance with these specifications to waive their right of recovery prior to a loss. Consultant hereby waives its own right of recovery against District and, shall require similar written express waivers and insurance clauses from each of its subconsultants.

(v) The limits set forth herein shall apply separately to each insured against whom claims are made or suits are brought, except with respect to the limits of liability. Further the limits set forth herein shall not be construed to relieve the Consultant from liability in excess of such coverage, nor shall it limit the Consultant's indemnification obligations to the District and shall not preclude the District from taking such other actions available to the District under other provisions of the Agreement or law.

h. Qualifying Insurers

(i) All policies required shall be issued by acceptable insurance companies, as determined by the District, which satisfy the following minimum requirements:

(1) Each such policy shall be from a company or companies with a current A.M. Best's rating of no less than A:VII and admitted to transact in the business of insurance in the State of California, or otherwise allowed to place insurance through surplus line brokers under applicable provisions of the California Insurance Code or any federal law.

i. Additional Insurance Provisions

(i) The foregoing requirements as to the types and limits of insurance coverage to be maintained by Consultant, and any approval of said insurance by the District, is not intended to and shall not in any manner limit or qualify the liabilities and obligations otherwise assumed by the Consultant pursuant to this Agreement, including but not limited to, the provisions concerning indemnification.

(ii) If at any time during the life of the Agreement, any policy of insurance required under this Agreement does not comply with these specifications or is canceled and not replaced, District has the right but not the duty to obtain the insurance it deems necessary and any premium paid by District will be promptly reimbursed by Consultant or District will withhold amounts sufficient to pay premium from Consultant payments. In the alternative, District may cancel this Agreement.

(iii) The District may require the Consultant to provide complete copies of all insurance policies in effect for the duration of the Project.

(iv) Neither the District nor any of its officials, officers, employees, agents or volunteers shall be personally responsible for any liability arising under or by virtue of this Agreement.

j. Subconsultant Insurance Requirements. Consultant shall not allow any subcontractors or subconsultants to commence work on any subcontract until they have provided evidence satisfactory to the District that they have secured all insurance required under this section. Policies of commercial general liability insurance provided by such subcontractors or subconsultants shall be endorsed to name the District as an additional insured using ISO form CG 20 38 04 13 or an endorsement providing the exact same coverage. If requested by Consultant, District may approve different scopes or minimum limits of insurance for particular subcontractors or subconsultants.

14. Indemnification.

a. To the fullest extent permitted by law, Consultant shall defend (with counsel of District's choosing), indemnify and hold the District, its officials, officers, employees, volunteers and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, in any manner arising out of, pertaining to, or incident to any alleged acts, errors or omissions, or willful misconduct of Consultant, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Consultant's services, the Project or this Agreement, including without limitation the payment of all expert witness fees, attorneys' fees and other related costs and expenses. Consultant's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the Consultant or the District, its officials, officers, employees, agents or volunteers.

b. If Consultant's obligation to defend, indemnify, and/or hold harmless arises out of Consultant's performance as a "design professional" (as that term is defined under Civil Code section 2782.8), then, and only to the extent required by Civil Code section 2782.8, which is fully incorporated herein, Consultant's indemnification obligation shall be limited to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, and, upon Consultant obtaining a final adjudication by a court of competent jurisdiction, Consultant's liability for such claim, including the cost to defend, shall not exceed the Consultant's proportionate percentage of fault.

15. California Labor Code Requirements.

a. Consultant is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations Title 8, Section 16000, et seq. ("Prevailing Wage Laws), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. If the services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the total compensation is $1,000 or more, Consultant agrees to fully comply with such Prevailing Wage Laws, if applicable. Consultant shall defend, indemnify and hold the District, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. It is the intent of the parties to effectuate the requirements of sections 1771, 1774, 1775, 1776, 1777.5, 1813, and 1815 of the Labor Code within this Agreement, and Consultant shall therefore comply with such Labor Code sections to the fullest extent required by law. It shall be mandatory upon the Consultant and all subconsultants to comply with all California Labor Code provisions, which include but are not

limited to prevailing wages, employment of apprentices, hours of labor and debarment of contractors and subcontractors.

b. If the services are being performed as part of an applicable "public works" or "maintenance" project, then pursuant to Labor Code Sections 1725.5 and 1771.1, the Consultant and all subconsultants performing such services must be registered with the Department of Industrial Relations. Consultant shall maintain registration for the duration of the Project and require the same of any subconsultants, as applicable.

c. The Project may also be subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be Consultant's sole responsibility to comply with all applicable registration and labor compliance requirements. Any stop orders issued by the Department of Industrial Relations against Consultant or any subcontractor that affect Consultant's performance of services, including any delay, shall be Consultant's sole responsibility. Any delay arising out of or resulting from such stop orders shall be considered Consultant caused delay and shall not be compensable by the District. Consultant shall defend, indemnify and hold the District, its officials, officers, employees and agents free and harmless from any claim or liability arising out of stop orders issued by the Department of Industrial Relations against Consultant or any subcontractor.

16. Verification of Employment Eligibility. By executing this Agreement, Consultant verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time, and shall require all subconsultants and sub-subconsultants to comply with the same.

17. Laws and Venue. This Agreement shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of this Agreement, the action shall be brought in a state or federal court situated in the County of Riverside, State of California, and the Parties hereto consent to the exercise of personal jurisdiction over them by any such courts for purposes of any such action or proceeding.

18. Termination

a. The District may terminate the Agreement, in whole or in part, with or without cause, upon ten (10) days written notice to Consultant. Upon receipt of the termination notice, Consultant shall promptly discontinue services unless the notice directs to the contrary. In the event the District renders such written notice to Consultant, Consultant shall be entitled to compensation for all services properly rendered prior to the effective date of the notice and all further services set forth in the notice. The District shall be entitled to reimbursement for any compensation paid in excess of services rendered and shall be entitled to withhold compensation for defective work or other damages caused by Consultant's services. Consultant acknowledges the District's right to terminate this Agreement as provided in this section, and hereby waives any and all claims for damages that might arise from the District's termination of this Agreement. Consultant shall deliver to the District and transfer title (if necessary) to all completed work, and work in progress including drafts, documents, plans, forms, maps, products, graphics, computer programs and reports. The District shall not be liable for any costs other than the charges or portions thereof which are specified herein. Consultant shall not be entitled to payment for unperformed services and, shall not be entitled to damages or compensation for termination of work.

b. Consultant may terminate its obligation to provide further services under this Agreement upon thirty (30) calendar days' written notice to District only in the event of substantial failure by District to perform in accordance with the terms of this Agreement through no fault of Consultant.

19. Documents. All original papers, maps, models, designs, studies, surveys, reports, data, notes, computer files, documents, drawings and other work product (collectively "Work Product") produced by Consultant pursuant to this Agreement, except documents which are required to be filed with public agencies, shall be deemed solely the property of the District. Consultant will take such steps as are necessary to perfect or protect the ownership interest of the District in such Work Product. Upon completion, expiration or termination of this Agreement, Consultant shall turn over to the District all such original Work Product in Consultant's possession or control.

20. Confidential Information. All information gained or Work Product produced by Consultant in the performance of this Agreement will be considered confidential, unless such information is in the public domain. Consultant shall not release or disclose any such information or Work Product to persons or entities other than the District without the prior written consent of the District, except as otherwise required by law. Consultant shall promptly notify the District should Consultant or its representatives be served summons, complaint, subpoena, notice of deposition, request for documents, interrogatories, requests for admissions or other discovery request or court order from any third party regarding this Agreement and the services performed under this Agreement.

21. Organization. Consultant shall assign _____ as Project Manager. The Project Manager shall not be removed from the Project or reassigned without the prior written consent of the District.

22. Limitation of Agreement. This Agreement is limited to and includes only the work included in the Project described above.

23. Notice. Any notice or instrument required to be given or delivered by this Agreement may be given or delivered by depositing the same in any United States Post Office, certified mail, return receipt requested, postage prepaid, addressed to:

DISTRICT:	CONSULTANT:
Valley Sanitary District	[***INSERT NAME, ADDRESS & CONTACT PERSON***]
45500 Van Buren Street	
Indio, CA 92201	
Attn: General Manager	

and shall be effective upon receipt thereof.

24. Third Party Rights. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than the District and the Consultant.

25. Cooperation. Consultant shall cooperate in the performance of work with the District and all other agents.

26. Equal Opportunity Employment. Consultant represents that it is an equal opportunity employer and that it shall not discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, sex, age or other interests protected by the State or Federal Constitutions. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination.

27. Entire Agreement. This Agreement, with its exhibits, represents the entire understanding of District and Consultant as to those matters contained herein, and supersedes and cancels any prior or contemporaneous oral or written understanding, promises or representations with respect to those matters covered hereunder. Each Party acknowledges that no representations, inducements, promises or agreements have been made by any person which is not incorporated herein, and that any other agreements shall be void. This Agreement may not be modified or altered except in writing signed by both Parties hereto. This is an integrated Agreement.

28. Severability. The unenforceability, invalidity or illegality of any provision(s) of this Agreement shall not render the provisions unenforceable, invalid or illegal.

29. Successors. This Agreement shall be binding upon and shall inure to the benefit of the successors in interest, executors, administrators and assigns of each Party to this Agreement.

30. Non-Waiver. None of the provisions of this Agreement shall be considered waived by either Party, unless such waiver is specifically specified in writing.

31. Time of Essence. Time is of the essence for each and every provision of this Agreement.

32. District's Right to Employ Other Consultants. District reserves its right to employ other consultants, including engineers, in connection with this Project or other projects.

33. Prohibited Interests. Consultant maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure this Agreement. Consultant warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, District shall have the right to rescind this Agreement without liability. For the term of this Agreement, no official, officer or employee of District, during the term of his or her service with District, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

34. Counterparts. This Agreement may be signed and delivered in any number of counterparts, each of which, when signed and delivered, shall be an original, but all of which shall together constitute one and the same Agreement.

35. Authority to Execute. Each Party represents and warrants to the other Party that all necessary action has been taken by such Party to authorize the undersigned to execute this Agreement and to bind it to the performance of its obligations hereunder.

36. Survival. All rights and obligations hereunder that by their nature are to continue after any expiration or termination of this Agreement, including, but not limited to, the indemnification obligations, shall survive any such expiration or termination.

[SIGNATURES ON FOLLOWING PAGE]

SIGNATURE PAGE FOR PROFESSIONAL SERVICES AGREEMENT BETWEEN THE VALLEY SANITARY DISTRICT AND [*INSERT NAME***]**

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first written above.

VALLEY SANITARY DISTRICT	[***INSERT NAME OF CONSULTANT***]
By: _____	By: _____
Beverli A. Marshall	
General Manager	Its: _____
	Printed Name: _____

EXHIBIT A

Consulting Proposal

Scorer 1

Criteria	AESCO	Converse	Earth Sys	Leighton	RMA Group	LandMark
Experience and qualifications of assigned staff (20 points)	17	17	17	17	17	15
References (particularly public agencies) and relevant work performed for those references (20 points)	15	17	15	18	12	5
Firm/entity key personnel assigned to the project (10points)	10	10	10	10	10	8
Demonstrated ability to competently implement the scope of services (20 points)	20	20	10	20	15	5
Demonstrated understanding of issues raised by District in RFP and completeness in addressing the scope of work (30 points)	23	25	5	25	25	5
TOTAL	85	89	57	90	79	38
proof of insurance document provded	N	N	Y	Y	N	N

Scorer 2

Criteria	AESCO	Converse	Earth Sys	Leighton	RMA Group	LandMark
Experience and qualifications of assigned staff (20 points)	17	18	16	18	17	15
References (particularly public agencies) and relevant work performed for those references (20 points)	17	18	16	18	17	3
Firm/entity key personnel assigned to the project (10points)	8	8	8	9	8	7
Demonstrated ability to competently implement the scope of services (20 points)	17	17	10	18	15	5
Demonstrated understanding of issues raised by District in RFP and completeness in addressing the scope of work (30 points)	20	26	15	28	18	5
TOTAL	79	87	65	91	75	35

Consultant	Proposal Cost
AESCO	$ 283,542.00
Converse	No cost provided
Earth Systems	$ 314,184.00
Leighton	$ 126,800.00
RMA Group	No cost provided
LandMark	$ 75,000.00

Leighton

Recycled Water Project - Phase 1
Testing & Special Inspection Services

Prepared for
Valley Sanitary District

November 3, 2021

Leighton Consulting, Inc.
A Leighton Group Company

Valley Sanitary District
45-500 Van Buren St.
Indio, CA 92201

Thursday, November 3, 2022

Attn: Ron Buchwald, District Engineer

Subject: Response to Request for Proposals for Recycled Water Project Phase 1 - Testing and Special Inspection Services

Leighton Consulting, Inc. (Leighton) stands ready and capable to provide the required testing and special inspection services for the Valley Sanitary District's Recycled Water Project – Phase 1. We are confident that our qualifications and experience working on similar projects throughout Riverside County provides us the edge in delivering high quality and cost-efficient services to the District.

Leighton's services will be mobilized primarily out of our Palm Desert office, just 11 miles from the District's offices. Leading our team as Project Manager and primary point of contact to the District will be Bashir Saiid, PE. Supporting Bashir and assigning resources as required will be Principal-in-Charge, Simon I. Saiid, PE, GE. Thomas C. Benson, Jr., PE, GE will act as signature authority for any contracts that may result from this proposal opportunity. Our contact information is as follows:

Signing Authority	Principal-in-Charge	Project Manager
Thomas C. Benson, Jr., PE, GE 909.527.8771 tbenson@leightongroup.com	**Simon I. Saiid, PE, GE** 951.252.8013 ssaiid@leightongroup.com	**Bashir Saiid, PE** 951.252.8927 bsaiid@leightongroup.com

Leighton has long-standing roots in the Coachella Valley area and in serving municipal sanitary and water districts throughout Southern California. We currently provide as-needed services to local cities, water districts, school districts, and private clients including the Coachella Valley Water District, Eastern Municipal Water District, Elsinore Valley Water District, Rancho California Water District, Western Municipal Water District, Mission Springs Water District, City of Coachella Water Authority, and City of Indio Water Authority. This extensive local experience gives us insight into the local requirements, geology, and regulators, informing our team's approach to best serve the District.

Leighton appreciates the opportunity to submit this proposal. *We have received and acknowledge the District's "Response to Submitted Questions" dated October 20th, 2022.* If you have any questions or need additional information regarding how we can be of service, please feel free to contact us at your convenience.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Simon I. Saiid, PE, GE
Senior Principal Engineer

Thomas C. Benson, Jr., PE, GE
President & CEO

Distribution: (5) hard copies and emailed pdf

TABLE OF CONTENTS

A | Approach and Methodology

Our understanding of this project is primarily based on our review of the project's Request for Proposal (RFP) dated September 27, 2022, overall project plans dated March 2022, 168-sheet plan set (60% submittal), and ECM3 drawings 31-sheet plan set (30% design).

UNIQUE INSIGHT

Leighton also completed the design-phase geotechnical report (Leighton, 2020) for this project, making our team uniquely qualified to provide soil and materials testing due to our familiarity with site conditions.

A TRUE PARTNERSHIP

As part of our philosophy, we believe in creating a "true partnership" with our clients to meet or exceed their objectives and expectations. We do this by collaborating closely with our public clients through proactive and effective communication practices. This includes schedule and budget control measures, responsiveness, and implementing our internal quality control and assurance of our services and deliverables. Leighton's approach is to work closely with the District and with your consultants, including architects and construction managers, to discuss project requirements and proactively address any foreseeable issues in a timely manner to prevent any project schedule related delays.

Site and Project Description

Based on our review, the Valley Sanitary District (VSD) plant is bound by the Whitewater River Storm Channel to the northeast, Cabazon Indian Reservation land to the east, Vista Del Norte to the south, and Van Buren Street to the west. The Recycled Water Project – Phase 1 consists of six plant upgrades, referred to as Energy Conservation Measures (ECMs). These improvements will include:

- Removal of the existing manual bar screen and replacement with a multi-rake mechanical bar screen (ECM1)
- Installation of a new vortex grit chamber (ECM 2)
- Installation of two (2) rotary screw thickener units (ECM 3)
- Installation of an additional anaerobic digester, a second flare, and associated appurtenances (ECM 4)
- Switchboard-MS replacement (ECM 5)
- Construction of a new 8-inch gravity pipe to convey subnatant flow to the primary effluent channel and a new 12-inch discharge pipe to convey flows from the North Cell to the proposed grit removal facility (ECM 6)
- Construction of a new 54" raw sewage pipe will convey the wastewater from the grit chamber to the existing primary sedimentation basins (ECM 2)
- Associated site improvement, grading, and pavement

As discussed in our geotechnical report (Leighton, 2020), subgrade preparation for the grit chamber and new digester tank **will require special remedial grading and may present a construction challenge**, mainly due to the presence of undocumented fill in the area of the proposed grit chamber and the remnants of Pond 1 lining, piping, and possible slough in the area of the new digester tank. Our deep bench of experienced soil technicians is well equipped to proactively identify suitability of soils to be used in construction during fill placement and subgrade preparation for structures discussed above.

Project Management Approach

Our Palm Desert office will take the lead for Leighton Consulting, Inc. for this Coachella Valley project. Our Palm Desert office has been providing geotechnical services throughout the Greater Coachella Valley area for more than

20 years for several public agencies, including the Coachella Valley Water District, the Coachella Valley Unified School District and Desert Sands Unified School District. Leighton has an extensive history and understanding of local, state and federal codes and procedures. From this experience, we have developed cost efficient testing procedures and have the right resources to provide the required services for this project. Resources include our local offices, laboratories and field capabilities.

- LOCAL OFFICE: Our services will be provided primarily from our Palm Desert office**, just 11 miles from the District's offices**, for consistent, quick response and flexibility through completion, as well as reduced mobilization and travel costs.
- LABORATORIES: Our Palm Desert office, supported by our Temecula in-house laboratory, will provide the required geotechnical and materials testing services. Our laboratory holds certifications from Caltrans, California Division of the State Architect (DSA), AASHTO, NICET, Corps of Engineers and other regulatory agencies. We provide both standard ASTM and Caltrans testing and can respond with additional testing methods modified to meet specific field and/or contract conditions. Our laboratories participate bi-yearly in the Cement and Concrete Reference Laboratory (CCRL) Sample Proficiency Testing, and we consistently achieve the highest possible ratings.
- FIELD CAPABILITIES: We have both experience and tested operating procedures in-place to provide you with services you need in an efficient and economical manner. All field and laboratory data is acquired using networked tablets, stored in the Cloud with our MetaField database, for real-time access for our project managers and clients. This MetaField program also provides artificial-intelligence checks for equipment calibration and data quality. **Data will be acquired with GPS location tagging and managed with GIS, calibrated (georeferenced) to project-specific Civil plans.**

Proposed Scope of Work

Our proposed scope of work will consist of geotechnical and materials testing services in accordance with the approved plans/specifications, and any specified standards and recognized authorities as specified in the project manuals.

Site safety is the responsibility of the contractor. Therefore, we will notify your site representative whenever we are on site. We will provide our field representatives with conventional and customary personal protection for construction sites, including a hard hat, orange vest, eye protection, and hard sole steel-toed shoes, in addition to any personal protection specifically required for this site and project, as directed by the District. Our field personnel will also check back in at the project field-office on-site, upon completion of activities for the day. Our Daily Field Reports (DFRs) will be brought to your project superintendent or designated field representative (e.g. your construction manager/inspector), for their signature on the DFR to document their confirmation and comprehension of what was reported.

Our scope of services during construction will generally include the following tasks:

- PRE-CONSTRUCTION MEETING: We have budgeted for our Field Supervisor to attend a pre-construction meeting with your representative(s), contractor/sub-contractors, and construction manager to establish points of contact, protocol for scheduling our services, and distribution lists for test results.
- BACKFILL OBSERVATION AND TESTING: We will provide full or part-time observation and testing of backfill placement, as fill thickness and the earthwork contractor's schedule requires. In-situ fill density will be

determined using a nuclear density gauge in accordance with ASTM D 6938. We expect that geotechnical observation and testing will be required for (1) grading and subgrade compaction under the grit chamber and new digester tank, (2) utility trench backfill, (3) drain pipeline backfill, and (4) site pavement subgrade preparation. Our soil technician will also perform asphalt density tests, where required.

- GEOTECHNICAL LABORATORY TESTING: We will perform geotechnical laboratory testing of onsite or import soils and aggregate base materials to determine the laboratory maximum dry density and optimum moisture content, ("compaction curve"), gradation, etc., along with conformance testing of aggregate base and asphalt concrete.
- CAST-IN PLACE REINFORCED CONCRETE: We will provide a deputy/special inspector on-site to sample fresh concrete and perform slump tests (ASTM C 143) when requested by your designated field representative. Slump tests will be performed for every per sample, in accordance with the project specifications. Air content tests will only be performed if specifically requested (not expected to be required for this project). A set of four test specimens (cylinders) per 50 cubic yards (or portion thereof in a single day) placed per mix-design will be molded in accordance with ASTM C 31 for compressive strength testing. We also understand based on project RFP that reinforcing steel and concrete placement/forms will be inspected by our Deputy Inspector.
- POST-INSTALLED ANCHORS/DOWELS SPECIAL INSPECTION: We will provide a special inspector that has been certified by the International Code Council (ICC) to observe installation of powder driven anchors, expansion anchors, adhesive anchors and dowels. Our special inspector will observe installation of these anchors in accordance with ICC requirements, specific to anchors used. Our special inspector will also evaluate drill bit compliance, hole depth and cleanliness, rod diameter, length of embedment, ambient temperature, material condition, product description and name, and adhesive shelf life and condition of packaging. We will also provide pull/torque and/or proof testing of post-installed anchors, as required.
- WELDING: Leighton will provide an American Welding Society (AWS) Certified Welding Inspectors (CWI) with ICC structural steel. They will perform periodic inspection of all single-pass fillet welds <5/16 inch and continuous inspection for all multi-pass, fillet welds >5/16 inch and all complete penetration welds made during the field erection for compliance of the approved plans and job specifications. The inspector will make a systematic record of all welds, including a list of defective welds and a manner of correction of defects. The inspector will also check the material, equipment, details of construction and procedures welds and the ability of the welder.
- MANAGEMENT, QUALITY REVIEW, AND REPORTS: This scope of work will consist of reviewing field reports and laboratory test results for construction materials inspected and tested by our firm for use on this project. Laboratory tests results will also be reviewed, checked for correctness, and prepared for distribution. Any concerns encountered in the field and noted in the daily reports, and any material tested and found to be outside project specifications, will be brought to the attention of the inspector of record. This scope will also include design mix review, when requested, and final reports. Supervision QA/QC and project management will be provided as needed.

B | Professional Qualifications and Experience

As one of the largest geotechnical consultants focused on Southern California and on waterworks for more than 60 years, Leighton's local experience gives our engineers, geologists, and Soils Technicians an incomparable history and basis for understanding Coachella Valley site issues, constraints, and construction expectations. We take pride in approaching each project with creative and critical thinking to provide our clients with the best value while solving challenging local issues involving geologic and soil conditions. Our technical competency is evidenced by 50 awards for engineering excellence, and successful completion of projects up to $1 billion in construction value.

Why Leighton?

Coachella Valley Experience and Resilience: Leighton has longstanding roots in the Greater Coachella Valley Area, having provided geotechnical engineering and materials testing services for hundreds of projects for local public agencies and private developers. With staff of 190 employees in nine office locations, Leighton's focus for the past 60+ years has been on geotechnical and materials testing services in Southern California.

Geotechnical/Materials Testing Laboratories: Leighton has three in-house geotechnical and materials testing laboratories holding certifications from Caltrans, AASHTO, NICET, Corps of Engineers, California Division of the State Architect (DSA) and other regulatory agencies.

Cloud-Based Field and Laboratory Data Acquisition: All field and laboratory data is acquired using networked tablets, with data stored in the Cloud via our MetaField® database, providing real-time access for our project managers, clients and authorized regulators and/or stakeholders.

Environmentally Friendly Practices: Leighton is committed to providing safe and sustainable services for our clients, including implementing green practices when and where feasible. Ways in which Leighton will prove an environmentally friendly choice include:

- **Close proximity to the project site and VSD Offices**: Because our local Palm Desert office location is just 11 miles from the District's offices, Leighton employees will spend less time behind the wheel contributing to greenhouse gas emissions and consuming gas resources.
- **Paperless Capabilities**: Because Leighton utilizes MetaField to compile all field and laboratory data, information and records are available to our clients in real time without the need for physical paper files. Using a cloud-based system allows our clients to consume drastically less paper or to conduct work entirely paperless, depending on our client's preferences.
- **Small Concrete Cylinders**: Because Leighton utilizes 4-in by 8-in cylinders for concrete compressive strength tests, staff can handle them easier, spend less time and effort preparing them, and, most importantly, use less material, which generates less waste.

Similar Clients Served

Leighton has worked with more than 100 municipalities and public agencies, completing thousands of projects.

Coachella Valley Water District • Eastern Municipal Water District • Western Municipal Water District • Elsinore Valley Water District • Rainbow Municipal Water District • Rancho California Water District • Mission Springs Water District • Temecula Valley Water District • City of Palm Desert • City of Rancho Mirage • City of La Quinta • City of Coachella Water Authority • City of Indio Water Authority • County of Riverside • City of Murrieta • City of Moreno Valley • Olivenhain Municipal Water District • SANDAG • NCTD • City of Temecula • City of Los Angeles • City of Rancho Cucamonga • City of Corona • Orange County Water District • Irvine Ranch Water District

References

Below we have provided three references for projects on which Leighton has provided services similar in nature to those required in the RFP.

Water Reclamation Plant No. 10 (WRP 10), T-1 Pump Station Replacement

PALM DESERT, CALIFORNIA

CLIENT
Coachella Valley Water District

REFERENCE
Jignesh Ladhawala
Senior Engineer, SAN and NPW
(760) 398-2661 ext. 2789
jladhawala@cvwd.org

PROJECT TEAM
Simon Saiid, Bashir Saiid, Mario Aparicio

Leighton provided geotechnical engineering and materials testing support during design and construction for the pump stations, equalization basins, and deep wet wells associated with the CVWD Water Reclamation Plant #10 Pump Station Replacement Project.

The T-1 Pump Station (PS) is to be replaced with a new PS located north of the Existing Equalization Basin No. 1. The new PS includes a below-grade reinforced concrete wet well with a depth of up to 40 feet below existing grades and miscellaneous above-ground and buried pipelines. Additional new improvements include:

- New Equalization Basin No. 2 similar in size/footprint to Basin No.1, which will extend to a depth of 25 feet below existing grades with 2:1 side slopes.
- The new PS MCC Building involves excavation into an existing slope, requiring a masonry wall that retains up to 12 feet of soil.

Leighton performed a geotechnical investigation for the project presenting a detailed description of subsurface geology and providing geotechnical recommendations including seismic lateral pressures for the design of the proposed under- and above-ground structures (i.e. wet well and CMU retaining walls). Leighton also provided geotechnical engineering and materials testing support services during construction and performed soils and concrete testing for all structural improvements including grading of the equalization basin and field welding inspection for structural steel. Responsibilities included close coordination with the District inspector and contractors during the construction phase to promptly address numerous unexpected field conditions due to past grading activities and unidentified underground utilities.

More specifically, the excavation of the sandy deposits north of the pump station for the proposed retaining walls, as well as the deep excavation for the deep wet well required special construction procedures by contractor to ensure that the proper shoring or sloping is in place and the walls and wet well subgrade is properly compacted. As such, upfront discussions with contractor regarding proposed procedures and close monitoring by our soils technicians/ geologist occurred in advance to confirm compaction efforts were achieved and subgrade was suitable for the proposed improvements. Leighton also sampled and collected concrete cylinders and performed laboratory compressive strength testing to verify strength conformance with project specifications, along with masonry inspection and grout sampling associated with the project retaining walls and wet wells.

Our quick response to numerous unexpected field conditions was greatly appreciated by District as well as the design engineer.

PASADENA Water&Power
SERVING THE COMMUNITY SINCE 1906

Wadsworth Treatment Plant

PASADENA, CALIFORNIA

CLIENT
Pasadena Water and Power
c/o: Civiltec Engineering, Inc.

REFERENCE
Shem Hawes, Senior Engineer
Civiltec Engineering, Inc.
626.357.0588
shawes@civiltec.com

PROJECT TEAM
Tom Benson, Roderick Marcia, Rick LeRitz

Leighton Consulting, Inc. supports Civiltec's on-call contract to provide Civil Engineering design and construction management services on Pasadena Water and Power (PWP) projects. Design services for PWP's Wadsworth Groundwater Treatment Plant were recently completed, including our January 18, 2021, geotechnical exploration report. Plant construction is currently underway to rid well water of volatile organics including TCP, all too common in the San Gabriel Valley, see Wadsworth Groundwater Treatment Plant | Pasadena Water and Power: *https://ww5.cityofpasadena.net/water-and-power/wadsworth/*

PWP's Wadsworth Well is located in the northwest corner of Walnut Street and Vinedo Avenue, on a 60-foot-wide abandoned railway (AT&SF double-track) right-of-way along the northerly edge of Walnut Street. This 0.45-acre site is narrow and congested, so this new plant will be constructed predominantly west of the current well site fence, on PWP property as the westerly extension of the abandoned railway.

Geotechnical issues included constructing new facilities adjacent to private industrial buildings up to and on the lot line to the north at a slightly higher elevation. Construction has been underway while the existing waterworks are operational, so existing on-site and off-site facilities had to be protected during new construction earthwork. The following treatment plant components are currently being constructed with buried connecting pipelines:

- **Six GAC Vessels**: Three pairs of granular activated carbon (GAC) vessels will be installed along the north side of this parcel on a single reinforced-concrete mat with plan dimensions of 21- feet north-south by 162.5-feet. Six vessels will be installed for this current project, but the mat is designed to accommodate an additional pair of vessels and a filter on the west end.
- **Backwash Tank**: There will also be a bolted-steel 50,000-gallon backwash tank constructed on a 23.5-foot-diameter pad located in the southwestern corner of this site.
- **Electrical Generator Mat**: An 8- by 18-feet reinforced-concrete mat for an electrical generator is also required.
- **Chemical Containment Structure**: There will be a chemical containment and pump pad with small sumps on a 7-feet north-south by 35-feet pad.
- **Reinforced Masonry Screen Walls**: Improvements also include a perimeter reinforced-masonry screen wall, with a 366-foot wall alignment.
- **Asphalt (HMA) Driveway**: There will also be an asphalt driveway constructed.

On-Call Geotechnical and Materials Testing Services

PERRIS, CALIFORNIA

CLIENT
Eastern Municipal Water District

REFERENCE
Fermin Balvaneda, Civil Engineer
(951) 928-3777 ext. 4481
balvanef@emwd.org

PROJECT TEAM
Simon Saiid, Bashir Saiid, Mario Aparicio, Matthew Vinet, Roderick Marcia

Leighton provided geotechnical and materials testing services on a variety of projects for EMWD. Some key projects include:

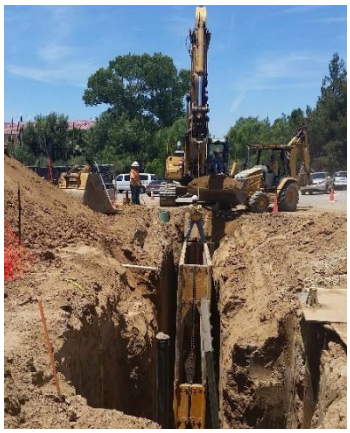
Regional Water Reclamation Facility 18-MGD Upgrade and Expansion, Temecula, CA: Leighton performed a detailed geotechnical investigation for the proposed Temecula Regional Water Reclaim Facility (RWRF) upgrade and expansion project. The development included constructing two 80-foot-diameter digesters, one clarifier, a maintenance building, and three recycle water storage basins with 20-foot-high embankments. The improvements to the facility increased its capacity to accommodate up to 18 million gallons of reclaim water per day.

Leighton's scope of the investigation included performing a site exploration utilizing hollow stem augur borings and backhoe test pits to evaluate subsurface soil and bedrock conditions, laboratory soil testing on samples collected from the site, engineering analysis of field and laboratory data, and geotechnical design recommendations for the proposed structures and improvements. Due to a segment of the Lake Elsinore fault traversing through the site, a site-specific seismic ground motion hazard analysis was performed to develop spectral acceleration and velocity spectrum for various structural damping coefficients. Suitability of onsite soils for use in the 20-foot-high embankments as well as design recommendations for lining, drainage, and erosion control for the proposed storage basins were also included in the geotechnical investigation report.

Leighton provided field observation and soils testing as well as concrete cylinders compressive strength testing during the Waste Activated Sludge (WAS) expansion for the Temecula and Moreno Valley Regional Water Reclamation facilities. The expansion project consisted of construction, modification and additions to Plant 1 WAS, pump station, WAS thickening building, headworks, and appurtenances related to these facilities, and all associated yard piping, paving and grading. Leighton provided observation and testing of minor grading, soil excavation and backfill around below grade structures, sewer, water and dry utilities trench backfill. Leighton also collected concrete cylinders sampled and casted by EMWD inspectors and performed laboratory compressive strength testing to verify strength conformance with project specifications.

De Anza 24-Inch Sewer Force Main, Spec No. 1330S, San Jacinto, CA: Leighton performed a geotechnical investigation during design and construction of an approximately 9,200 lineal feet (LF) of an 8 to 12-inch PVC sewer force main pipeline. The project is located along N. Sanderson Avenue, between the San Jacinto Regional Water Reclamation Facility and the De Anza Lift Station. Due to crossing of potentially active fault, flexible joints were installed at specific locations to reduce impact of any future ground movement along mapped fault. Leighton also provided geotechnical engineering and materials testing services during construction.

Enchanted Heights Sewer System, San Jacinto, CA: Leighton performed a geotechnical investigation for the design of approximately 23,000 linear feet of 8-inch gravity pipe, 3,000 linear feet of 6-inch force main, and a new lift station at the intersection of San Jacinto Avenue and Lukens Lane. The project required detailed rippability studies for portions of the proposed alignment and pump station site due to encountering shallow bedrock conditions. Leighton also provided geotechnical engineering and materials testing services during construction. Responsibilities included close coordination with EMWD and City inspectors and field and laboratory testing of trench backfill, aggregate base, asphalt and PCC concrete.



Wine Country Sewer Infrastructure, Riverside County, CA: Leighton performed a detailed geologic/geotechnical investigation for nearly 7 miles of sewer pipeline system including 1,200 feet of micro tunneling, two lift stations, and other associated improvements. The pipeline was primarily installed within existing streets right-of-way, all in unincorporated Riverside County, California. Leighton also provided fulltime geotechnical observations and field density testing during construction, including laboratory testing of trench and structure backfill, aggregate base, asphalt concrete, and structural concrete for Lift stations. Responsibilities included close coordination with EMWD' inspectors and contractors and providing test results in quick turnaround time to allow for re-opening of very congested public streets.

Temecula Valley Recycled Water Pipeline, Temecula, CA: Leighton provided geotechnical engineering and materials testing support during design and construction of the 18-MGD upgrade and expansion of the existing facility which included two new 80-foot diameter digesters, one clarifier, two out-of-compliance and one tertiary effluent storage ponds, and associated pipelines. Responsibilities included close coordination with EMWD's representatives and contractors during construction phase to promptly address numerous unexpected field conditions resulting from past grading activities and unidentified underground utilities. Recently, Leighton prepared a detailed subsurface investigation for a proposed 36-inch recycled water pipeline which will connect TVRWRF and Washington Street/Murrieta Recycled ponds. The report included detailed description of earth materials along the alignment and recommendations for pipeline design and construction including crossing of Murrieta Creek.

C | Firm Organization and Project Team

Leighton Consulting, Inc.
60+ Years of Experience
California Corporation
Wholly owned subsidiary of
Leighton Group, Inc.
Founded in1961

9 Southern California Offices
190 Employees across all offices

40 Years in the Region
41715 Enterprise Circle N, Ste 103
Temecula, CA 92590

Firm Organization

LEIGHTON is an award-winning geotechnical engineering firm, recognized nationally by Engineering News-Record (ENR) as a 2021 Top Design Firm, that provides geotechnical and materials testing and special inspection services, as well as turnkey geotechnical and environmental engineering.

EXPERIENCED GEOTECHNICAL ENGINEERS AND GEOLOGISTS | Leighton's team of professionals has intimate knowledge of Riverside County geology. Our knowledge of the local geology and local and state agencies means that our scope of work will be well defined, meaningful to the project site, and the schedule will be realistic taking into consideration the anticipated time frames for permitting. Leighton holds quarterly meetings on technical topics for further training, and financially supports industry training in construction dewatering and groundwater control, slope stability, earthquake design, risk assessment, California Code Seminars, and transportation infrastructure bearing capacity, among other areas. We are also up to date with the newest techniques; your projects will benefit from the very latest advancements the geotechnical industry has to offer. We have assigned a team of knowledgeable and experienced professionals, all highly skilled in anticipating the resources and time needed to bring projects to successful completion and help the District achieve its goal of minimizing costs and schedule delays.

EXPERIENCED AND CROSS-CERTIFIED SOILS TECHNICIANS & SPECIAL INSPECTORS | Our staff includes a deep roster of locally experienced field Soils Technicians, ICC deputy inspectors, and laboratory personnel. Their local experience and quick responsiveness is appreciated by our clients and contractors. They prepare well written reports that can transmitted electronically to all parties in the project on a daily basis.

IN-HOUSE LABORATORIES | Leighton operates three in-house, Caltrans- and AASHTO-approved geotechnical and materials testing laboratories located in Temecula, San Diego, and Irvine. Our technical team members are all OSHA HAZWOPER trained and thus are certified to recognize potentially hazardous substances and materials. Our laboratories are fully certified and equipped to perform Superpave hot mix asphalt, Portland cement concrete, and soils and aggregate services.

Key Personnel

Leighton has a deep bench of qualified, certified, and experienced professional staff that can be called upon to serve the District on this project as appropriate. In the following pages, we have provided resumes for key personnel, summarizing their roles, background and expertise, qualifications, and relevant work histories.

33

Years of Industry Exp.

16 Years with Leighton

MS, Civil Engineering, Rensselaer Polytechnic Institute - 1989

BS, Civil Engineering, Rensselaer Polytechnic Institute - 1987

CA Geotechnical Engineer #2641

CA Civil Engineer #62375

Simon Saiid, PE, GE

Principal-in-Charge

Simon Saiid has engineering design and construction supervision experience for the civil and geotechnical aspects of projects related to infrastructure, public facilities, and land development. Mr. Saiid is responsible for geotechnical engineering analyses, laboratory testing, and quality control. He is practiced in geotechnical site investigations, shallow and deep foundation design, buttress and structural landslide mitigation, seismic hazard evaluations and mitigation design, grading control, ground improvement, pipelines, pavement design, and forensic evaluations.

Chlorination System Upgrade Project, Water Reclamation Plant Nos. 7 and 10, Indio and Palm Desert, CA. Project Manager / Geotechnical Engineer performed a subsurface investigation and provided geotechnical recommendations for design and construction of the proposed improvements. Two pipelines to connect an existing chlorine building and chlorine contact tanks at two facilities. One is 400 LF of pipeline to connect an existing chlorine building and chlorine contact tank.

Water Reclamation Plant Nos. 4, 7, and 10 Chemical System Upgrade Project, Indio, CA. Geotechnical Engineer. Geotechnical exploration and report for installation of sulfur dioxide gas scrubbers at three water reclamation plants. Scrubbers are to be founded on pad type foundation exerting minimal loads.

Non-Potable Water Golf Course Connection Project, Indio, CA. The CVWD's Non-Potable Water Golf Course Connection Project involves the design and construction of new connecting pipeline from manicured golf greens to street and open desert soils.

Young's Farmland Non-Potable Water Connection, Indio, CA. Design and construction of a new pipeline that will begin at Avenue 38 and continues south along Jefferson Street to its terminus at Young's Farmland, approximately 800 ft west of Jefferson St. The overall pipeline is approx. 2,500 LF and will be generally installed at a depth of 5 to 7 feet BGS.

CVWD Sewer Pipeline Rehabilitation Project, Indian Wells/LaQuinta, CA. Project manager/geotechnical engineer for a rehabilitation project of two pipeline segments located at the Esmeralda Resort and PGA West Development in the cities of Indian Wells and La Quinta, respectively. The pipelines were reportedly sagged and caused negative flow along between manholes. The results of the investigation indicated the presence of regional subsidence phenomena in this area as well as localized loose silt and sand layers below segments of the pipelines that might have densified/settled during the life span of the respective pipelines.

Water Reclamation Plant No. 10, Pump Station, Palm Desert, CA. Project Manager/Engineer for geotechnical exploration for design and construction of secondary effluent pump station. This pump station will be a below-ground cast-in-place concrete clear well with vertical turbine pumps and mechanical piping located above ground on a structural slab-on-grade.

16

Years of Industry Exp.

14 Years with Leighton

BS, Mathematics (Geology minor), University at Albany

CA - Civil Engineer # 93187

CPN Nuclear Gauge Certificate

Bashir Saiid, PE

Project Manager

Bashir has more than 15 years of performing construction soils and materials testing as well as geotechnical exploration project coordination. He serves as key personnel providing project management support, including site and subcontractor coordination, geologic mapping, field soils classification and data collection, lab test results evaluation, and report preparation. His development and growth from a field technician to a senior staff engineer allows him to understand the full project life cycle and support Leighton's turnkey geotechnical and materials services.

Valley Sanitary District, Wastewater Treatment Plant Proposed Expansion, Indio, CA. Project Manager for the Geotechnical design for the proposed improvements associated with the treatment plant. The improvements consisted of new structures, sludge drying beds and appurtenant plant improvements.

CVWD Water Reclamation Plant #10 Pump Station Replacement Project, Palm Desert, CA. Staff Engineer for field investigation and report data including summary of geologic conditions. Geotechnical exploration and report for installation of new pump station and deep wet well within the plant. Leighton also provided geotechnical engineering and materials testing services during construction.

West Valley Sewer Conveyance Project, Desert Hot Springs, CA. Geotechnical exploration for 16,500 linear feet (LF) of dual 12-inch diameter Force Main and 33-inch and 36-inch diameter gravity sewer pipelines. Field exploration included sixteen (16) hollow-stem auger borings to a maximum depth of 31.5 feet. The pipeline will generally be installed at a depth of 6 to 24 feet below ground surface.

De Anza Lift Station Sewer Force Main, San Jacinto, CA. Staff Engineer. Provided site coordination, field classification and sampling of soils. The investigation also included data analysis, and design parameters and geotechnical recommendations. Mr. Saiid also provided field observations and testing services during construction. Installation of PVC sewer force main pipeline. The project follows Sanderson Avenue for 9,200 LF between the San Jacinto Regional Water Reclamation Facility and the De Anza Lift Station. Due to crossing of potentially active fault, flexible joints were installed at specific locations during construction to reduce impact of any future ground movement along mapped faults.

EVMWD Manhole 3004 Evaluation of Settlement, Lake Elsinore, CA. Staff engineer for an investigation associated with MH 3004 soils collapse. The results of the evaluation indicated the presence of loose fill and void near MH that was caused by prior collapse within the manhole. Recommendations for compaction grouting were provided to prevent future pavement distress/collapse.

25

Years of Industry Exp.

18 Years with Leighton

BS, Civil Engineering, California State University, Long Beach

CA - Civil Engineer # 70150

CPN Nuclear Gauge Certificate

Roderick Marcia, PE

Principal Engineer | Laboratory Manager

Roderick Marcia is a California-registered Professional Engineer with 25 years of experience and has been part of Leighton team for over 12 years. He currently directs the special inspection and materials testing activities of Leighton's laboratories and is responsible for procedural conduct and accuracy in special inspection and laboratory testing, review and evaluation of engineering properties, and performance of construction materials.

Albert Robles Center for Water Recycling and Environmental Learning, Water Replenishment District of Southern California, Pico Rivera, CA. Materials Manager for the quality assurance testing and special inspection during construction of a 5.2-acre advanced water treatment facility and learning center, which allows WRD to deliver 21,000-acre-feet of water to the San Gabriel Coastal Spreading Grounds where it will percolate into the Central Basin. Provided quality control services that included geotechnical observation and testing, concrete sampling, and laboratory testing.

Reservoir No. 2 Improvement and Walnut Pump Station Rehabilitation, City of Fountain Valley, CA. Materials Engineer. Provided materials testing and special inspections services during the rehabilitation of a 5-million-gallon reinforced concrete reservoir including replacement and upgrade of booster pumps and control system and new pump house building. Roderick reviewed and provided inspection reports and test results for concrete, mortar, rebars, masonry grout, welding quality for pavement, foundation, slab on grade, and CMU wall structures.

OCWD Burris Pump Station Replacement Project, Anaheim, CA. Materials Manager during Phase II of construction. Provided observation and testing during grading and construction of the site improvements. Services included observation and/or testing of site preparation and fill placement during grading operations; building footing excavations; riprap keyway construction; sewer, water, gas, electrical, air compressor, and drain line trench backfill; subgrades for curb and gutter, driveway areas, pump station building and associated improvements; and aggregate base placement.

Edgewater Sewer Lift Station, Huntington Beach, CA. The project abandoned and demolished the existing sewer lift station and installed a new 1,000 gallon-per-minute (gpm) submersible sewage lift station and force main. Project scope included new gravity sewers, storm drain, and watermain; grading of new generator and electrical enclosure pads; and replacement of asphalt concrete pavement, concrete curb & gutter, and concrete sidewalks.

Sky Meadows Booster Pump Station & Los Pinos 2A Pump Station Improvement Project, Lake Elsinore, CA. The project installed 2,600 LF of new 8-inch DIP pipeline, demolished existing equipment and facilities, installed discharge and suction surge tanks, vertical turbine pump, and associated appurtenances, motor control center (MCC), electrical work, and civil site improvements.

Mario Aparicio

Senior Engineering Technician

21

Years of Industry Exp.

9 Years with Leighton

ICC Soils Special Inspector | 8189770

Caltrans Test Methods 105, 125 AGG, 201, 202, 205, 216, 217, 226, 227, 229, 231, 504, 518, 524, 539, 540, 541, 543, 556, 557

Concrete - Grade 1 – ACI

CPN Nuclear Gauge Certificate

Mario Aparicio has more than 20 years of experience in the industry. Ability to work under deadlines efficiently. He has been responsible for performing inspection, density tests, observation and final reports on grading operations. Mr. Aparicio has sampled fresh concrete by ACI and Caltrans methods and performed field tests of fresh concrete and prepared both cylinders and beams.

De Anza Lift Station Sewer Force Main, San Jacinto, CA. Field Technician responsible for observation and compaction testing during trench backfill. Documented contractor activities as backfill soils were moisture treated and mixed prior to backfilling. Conducted soil density tests to confirm soil maximum density and optimum moisture content. Installation of PVC sewer force main pipeline. The project follows Sanderson Avenue for 9,200 LF between the San Jacinto Regional Water Reclamation Facility and the De Anza Lift Station. Due to crossing of potentially active fault, flexible joints were installed at specific locations during construction to reduce impact of any future ground movement along mapped faults.

Old Town Front Street Pavement and Storm Drain, Temecula, CA. Completed field observation and compaction testing during the compaction of street subgrade, aggregate base, asphalt, and storm drain trench backfill for the Old Town Front Street rehabilitation and a storm drain improvement. Completed field observation and compaction testing during the compaction of street subgrade, aggregate base, asphalt, and storm drain trench backfill for the Old Town Front Street rehabilitation and a storm drain improvement.

Potable Well #38 Replacement, San Jacinto, CA. Project will repurpose the existing Well 28 building into a disinfection building and construct a new building for Well 38 with associated piping, site walls and site improvements including asphalt drive areas and Edison vault. The proposed structures are primarily single-story CMU wall buildings with metal roofing.

Sky Meadows Booster Pump Station & Los Pinos 2A Pump Station Improvement Project, Lake Elsinore, CA. The project installed 2,600 LF of new 8-inch DIP pipeline, demolished existing equipment and facilities, installed discharge and suction surge tanks, vertical turbine pump, and associated appurtenances, motor control center (MCC), electrical work, and civil site improvements.

Stacy Weimer

Inspector II

26

Years of Industry Exp.

7 Years with Leighton

ICC Certified Special Inspector – Structural Steel and Welding | 876474

ICC Certified Special Inspector – Structural Masonry | 876474

ICC Certified Special Inspector – Reinforced Concrete | 876474

ICC Certified Special Inspector – Structural Steel and Bolting| 876474

AWS Certified Welding Inspector | 09031191

Mr. Weimer has extensive experience as inspector of public works and commercial construction. His responsibilities include overseeing construction management projects for welding/bolting, masonry and concrete placement. He gives emphasis on quality control and cost savings to his clients. He works under strict conformance to project specifications and coordinates with the Construction superintendent or foreman during the structural welding of the framing to verify proper welding procedures and techniques assuring field quality conformed to approved plans, specifications, and codes.

Sky Meadows Booster Pump Station & Los Pinos 2A Pump Station Improvement Project, Lake Elsinore, CA. ICC Special Inspector of reinforced masonry inspection and testing. He verified and approved the work met the requirements of approved plans and specifications and casted mortar samples for laboratory testing. The project installed 2,600 LF of new 8-inch DIP pipeline, demolished existing equipment and facilities, installed discharge and suction surge tanks, vertical turbine pump, and associated appurtenances, motor control center (MCC), electrical work, and civil site improvements.

Fountain Valley Reservoir No. 2 Rehabilitation, Fountain Valley, CA. AWS Certified Welding Inspector. Performed welding inspection during pump station roof, roof deck, and fascia construction. This project rehabilitates an existing 5-million-gallon reinforced concrete reservoir, including the replacement and upgrade of booster pumps and control system and construction of a new pump house building. Scope of services included testing and inspection of concrete, mortar, rebars, masonry grout, welding quality for pavement, foundation, slab on grade, and CMU wall structures.

Plant 408 Reservoir, La Mirada, CA. AWS Certified Welding Inspector. Performed special inspection of welding, including shielded metal arc welding (SMAW), performed by welders during construction of the reservoir. Elements included floor plates, side of tank, spiral stairway and platform, roof and roof railing. Replacement of underground reservoir with three steel tanks. Slopes and surrounding housing led to soldier pile walls in lieu of temporary shoring and retaining walls with spread footings. Leighton provided the geotechnical report for the design, soldier pile walls, and geotechnical testing during rough grading and special inspection for concrete and welding.

Water Treatment Plant #9, Signal Hill, CA. Design and construction of a water treatment plant that will include a multi-use building, a product water tank, concrete pads for equipment, and associated pipelines. The project also includes construction of new asphalt pavement adjacent to the existing driveway and a concrete loading pad.

James “Bo” Flack

Special Inspector

17

Years of Industry Exp.

6 Years with Leighton

BS, Business Management, Troy State University, Alabama

ICC Certified Special Inspector – Structural Steel and Bolting | 8276122

James is a certified Special Inspector with expertise in structural steel and bolting, welding, and pipefitting. His background has spanned several different disciplines of construction positions including carpenter, welder, pipefitter, equipment operator and machine worker. James has experience serving municipal and state/federal government funded public works projects and schools in the Los Angeles, Orange County, and Inland Empire areas.

Saybrook Lift Station Replacement, Huntington Beach, CA. The project consists of the abandonment and demolition of an existing sewer lift station after the completion of the new lift station, which includes the installation of a wet well, valve vault, and associated piping. Structures include a CMU generator enclosure and reinforced concrete pads for the generator enclosure and transformer. Other project features include construction of new gravity sewers, storm drain, and watermain, as well as curb, gutter, sidewalk, and AC paving.

Sky Meadows Booster Pump Station & Los Pinos 2A Pump Station Improvement Project, Lake Elsinore, CA. Reviewed Submittal No. 34 (WPSs, Welder Certifications, Material Specifications, etc.) for the EVMWD Sky Meadows Booster Pump Station. The project installed 2,600 LF of new 8-inch DIP pipeline, demolished existing equipment and facilities, installed discharge and suction surge tanks, vertical turbine pump, and associated appurtenances, motor control center (MCC), electrical work, and civil site improvements.

Rick LeRitz

Inspector II

43

Years of Industry Exp.

22 Years with Leighton

ICC Certified Special Inspector – Reinforced Concrete | 0864767-88

ICC Certified Special Inspector – Structural Masonry | 0864767-84

DSA Masonry Inspector | 5243

Rick has over 40 years of experience on public works projects performing quality assurance testing and special inspection of concrete and masonry materials. He has extensive knowledge of current California Building Codes, Public Works Construction Greenbook, and ICC and ACI testing standards and procedures. With his deep level of expertise, Rick coordinates with the construction superintendent or foreman to assure that quality of materials strictly conform to approved plans, specifications, and codes.

SCLA Industrial Wastewater Treatment Plant, Victorville, CA. Special Inspector for construction of a 25,000-square-foot wastewater treatment plant.

Slater Sewer Lift Station Replacement, Huntington Beach, CA. ICC Concrete Technician during the special inspection and construction materials testing services for the replacement of the Slater Lift Station to address its age and insufficient wet well capacity. Performed inspection of lift station foundation reinforcement per CBC 2019, ACI 318 code, and approved drawing specifications. The project abandons and demolishes the existing lift station and dry well and installs new sanitary sewer lines, new sewer lift station and valve vault, new wet well submersible pumps; replaces a force main; restores asphalt concrete pavement and concrete hardscape; and replaces a segment of an existing concrete masonry unit (CMU) wall.

Albert Robles Center for Water Recycling and Environmental Learning, Pico Rivera, CA. The project constructed a 5.2-acre advanced water treatment (recycling) facility and learning center, which allows WRD to deliver 21,000-acre-feet of water to the San Gabriel Coastal Spreading Grounds where it will percolate into the Central Basin. This project was formerly known as the Groundwater Reliability Improvement Project (GRIP).

Compton East Reservoir and Booster Pump Station, Compton, CA. Geotechnical report update and plan review for design of 650,000-gallon pre-stressed concrete reservoir and booster pump station. The reservoir diameter is approximately 70 feet by 30 feet. The booster pump station will be approximately 1,700 square feet.

Wallace/Corona Keith Tank/Geo & MTIS, Corona, CA. Leighton provided geotechnical and materials testing during construction of the 2.5-million-gallon (MG) Keith 1220-Zone pre-stressed concrete potable water tank in the City of Corona. The water tank is approximately 30-foot-high and 125 feet in diameter. Site improvements also included underground utilities, CMU walls, concrete hardscape, and driveway areas. Our services included observation and testing during remedial removals, overexcavation, and fill placement of the proposed tank pad; utility trenching and backfilling; subgrade preparation and aggregate base placement along new hardscape and driveways; concrete sampling and testing during tank construction; and project management and quality assurance.

Matthew Vinet

Laboratory Supervisor

11

Years of Industry Exp.

11 Years with Leighton

BS, Civil Engineering, California State Polytechnic University, Pomona

ACI Concrete Level I Laboratory Technician

ACI Concrete Grade I Field Testing Technician

ACI Concrete Strength Testing Technician

Caltrans 105, 106, 201, 202, 206, 207, 217, 226, 227, 229, 304, 309, 366, 382

Matthew has more than a decade of professional experience performing a variety of soil and material testing procedures. His responsibilities include performing testing procedures in accordance with current standards, reviewing and finalizing data, communicating results with clients and project managers, ensuring lab equipment is calibrated and managing laboratory staff.

Recycled Water Pond Pump Stations and Pipelines, San Jacinto, CA. The proposed improvements generally include a new pond pump house/station, backwash percolation pit, and 18-inch reclaimed water line connecting to Pond #2. The pump house is approximately 22-ft by 23-ft single-story building with 8-inch CMU walls.

Hexavalent Chromium Treatment Facilities Well Sites 12, 16, 17, 18, 19 and Resin Regeneration Facility, Coachella, CA. Facing compliance with a new state law, Coachella Water Authority (CWA) addressed the requirement to reduce the hexavalent chromium level in groundwater used for drinking water. Leighton provided geotechnical recommendations for two alternative technologies being considered by the CWA.

Temecula Valley RWRF Effluent Storage Expansion, Temecula, CA. Engineering Technician for geotechnical observation and testing during construction, including lab testing of concrete materials for structures.

Oasis Country Club Non-Potable Water Connection Project, Palm Desert, CA. This Coachella Valley Water District's (CVWD's) Non-Potable Water Golf Course Connection Project involves the design and construction of three separate but contiguous connecting pipelines associated with Oasis Country Club, Palm Desert Resort, and Woodhaven Country Clubs.

De Anza Lift Station Sewer Force Main, San Jacinto, CA. Installation of PVC sewer force main pipeline. The project follows Sanderson Avenue for 9,200 LF between the San Jacinto Regional Water Reclamation Facility and the De Anza Lift Station. Due to crossing of potentially active fault, flexible joints were installed at specific locations during construction to reduce impact of any future ground movement.

Chlorination System Upgrade Project, Water Reclamation Plant Nos. 7 and 10, Indio and Palm Desert, CA. Two pipelines to connect an existing chlorine building and chlorine contact tanks at two facilities. One is 400 LF of pipeline to connect an existing chlorine building and chlorine contact tank. The pipeline at plant 10, is 840 LF connecting the chlorine building to contact tanks 1, 2 and 3.

Temecula Valley Recycled Water Pipeline Project, Temecula/Murrieta, CA. Geotechnical Exploration Report and Geotechnical Baseline Report for 15,500 ft pressurized pipeline from Temecula Valley Regional Water Reclamation Facility for expansion of tertiary effluent pump station capacity. A 300-foot section would cross Murrieta Creek utilizing jack and bore technology.

D | Proposed Project Schedule

Leighton has reviewed the plans and provided documents for this project and understands that construction is set to begin in March 2023 and anticipated to last three years. In the fee schedule, we have ballparked likely hours for applicable tasks identified in the scope of work; however, the manner of special inspection and testing services being requested are such that a comprehensive schedule of projected dates is infeasible. Rather, Leighton has found that successful, timely services rely on our team's availability, adaptability, and readiness to provide services when required without affecting the project's critical path.

Below are several methods by which our team ensures that services are provided in such a way that a projects schedule remains on-track.

Flexible and abundant resources: Based on our past experience on similar projects, we understand that construction schedules can be fluid, and the need for soils/materials technicians and special inspectors are often needed within a few days or less. We have structured our team in such a way that allows us to be responsive to this need. Further, we have a deep roster of additional qualified and experienced technicians and inspectors company-wide that we could tap into, if needed. Our plan is to prioritize staff from our nearby Palm Desert office.

Dispatching/Scheduling for Materials Testing and Special Inspection. Our in-house dispatch coordinator will work closely with your Project Inspector to acquire all relevant project information coordinate with and schedule/dispatch the appropriately qualified/certified special inspector to your project site.

Enterprise Resource Planning System: To ensure availability, Leighton relies on Unanet A/E as our Enterprise Resource Planning (ERP) system that was built specifically for the A/E industry. Its project management feature includes real-time resource planning and allocation for project forecasting. We can see what personnel resources are available (and for how long) and designate them to a project task—now or in the future. Based on project information provided to us by you, and appropriate advance notice, we will be able to use our resource planning tool to ensure our proposed team members are made available for District as dictated by the project schedule.

E | Proposed Costs

Leighton Consulting, Inc. – DIR # 1000007443

Table 1. Estimated Construction-Phase Geotechnical + Materials Testing Fees
VSD - Recycled Water Plant No. 1, Indio, Cathedral City, Riverside County, California
Geotechnical (Soils) and Materials Testing During Construction

TASK DESCRIPTION		RATE	UNITS	COST
Pre-Construction Meeting, Project Review and Database Setup				
Senior Project Engineer		$198.00 / hour	2	$396.00
Field Supervisor		$139.00 / hour	4	$556.00
Senior Staff Geologist		$156.00 / hour	1	$156.00
GIS Specialist		$131.00 / hour	2	$262.00
Project Administrator/Word Processor		$77.00 / hour	2	$154.00
			SUBTOTAL	**$1,584.00**
Geotechnical (Soils) Field Observation and Density Testing				
Field Soils/Material Tester (Prevailing Wage)	Grading (6 weeks full-time, otherwise part-time)	$132.00 / hour	240	$31,680.00
Field Soils/Material Tester (Prevailing Wage)	Structures-Foundations (10 days part-time)	$132.00 / hour	40	$5,280.00
Field Soils/Material Tester (Prevailing Wage)	Underground Utilities Backfill (12 Days Onsite)	$132.00 / hour	96	$12,672.00
Field Soils/Material Tester (Prevailing Wage)	Pavement (6 Days Full Time)	$132.00 / hour	48	$6,336.00
Vehicle Usage	Trucks and Equipment	$15.00 / hour	424	$6,360.00
			SUBTOTAL	**$62,328.00**
On-Site Materials Testing and Special Inspection				
Special Inspector (Prevailing Wage)	Rebar	$136.00 / hour	80	$10,880.00
Special Inspector (Prevailing Wage)	Concrete	$136.00 / hour	80	$10,880.00
Special Inspector (Prevailing Wage)	Post-Installed Anchor	$136.00 / hour	32	$4,352.00
Special Inspector (Prevailing Wage)	High Strength Grout	$136.00 / hour	16	$2,176.00
Special Inspector (Prevailing Wage)	Welding (Field)	$136.00 / hour	40	$5,440.00
Special Inspector (Prevailing Wage)	Bolting	$136.00 / hour	32	$4,352.00
			SUBTOTAL	**$38,080.00**
Geotechnical Laboratory Testing				
Particle size - Sieve only 1½ inch to #200, (ASTM D6913/CTM 202)		$135.00 / each	3	$405.00
Particle size - large sieve – 6 inch to #200 (ASTM D6913/CTM 202)		$175.00 / each	1	$175.00
Sand Equivalent (SE, ASTM D2419/CTM 217)		$105.00 / each	2	$210.00
Modified Proctor compaction 4-inch mold (Methods A & B ASTM D1557)		$220.00 / each	4	$880.00
Modified Proctor compaction 6-inch mold (Method C ASTM D1557)		$245.00 / each	2	$490.00
R-Value (AASHTO T190/ASTM D2844/CTM 301) untreated soils/aggregates		$310.00 / each	2	$620.00
Sulfate content - gravimetric (CTM 417 B Part II)		$70.00 / each	4	$280.00
Expansion Index (EI, ASTM D4829)		$130.00 / each	2	$260.00
Extraction by ignition oven, percent asphalt (AASHTO T308/ASTM D6307/CTM 382)		$150.00 / each	3	$450.00
Maximum density - Hveem (CTM 308)		$200.00 / each	2	$400.00
			SUBTOTAL	**$4,170.00**
Materials Laboratory Testing				
Concrete cylinders compression (ASTM C39 6” x 12”) (4" x 8")		$35.00 / each	100	$3,500.00
Non shrink grout cubes (2”, ASTM C109/C 1107)		$25.00 / each	6	$150.00
Pick-up & delivery – (weekdays, per trip, <50 miles from Leighton office)		$90.00 / each	24	$2,160.00
			SUBTOTAL	**$5,810.00**

TASK DESCRIPTION	RATE	UNITS	COST
Office: Project Management, Quality Review and Reporting			
Senior Principal	$293.00 / hour	4	$1,172.00
Associate	$221.00 / hour	8	$1,768.00
Senior Project Engineer	$198.00 / hour	20	$3,960.00
Senior Staff Engineer	$156.00 / hour	20	$3,120.00
Field Supervisor	$139.00 / hour	8	$1,112.00
Project Administrator/Word Processor	$77.00 / hour	28	$2,156.00
Dispatcher	$77.00 / hour	20	$1,540.00
		SUBTOTAL	**$14,828.00**
		TOTAL ESTIMATED COST	**$126,800.00**

Appendix - Sample Insurance

Client#: 1257049 305LEIGHGRO

ACORD **CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY) 8/25/2022

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

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

PRODUCER	CONTACT NAME:	
McGriff Insurance Services 130 Theory, Ste. 200 Irvine, CA 92617 714 941-2800	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS: CertsCA@McGriff.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Lexington Insurance Company	19437
	INSURER B : Travelers Property Casualty Co of Amer	25674
	INSURER C : Travelers Indemnity Co of CT	25682
	INSURER D :	
	INSURER E :	
	INSURER F :	

INSURED
Leighton Consulting, Inc.
17781 Cowan, Ste. 100
Irvine, CA 92614-6009

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			065463440	02/14/2022	02/14/2023	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$50,000
	X BI/PD Ded: $25,000						MED EXP (Any one person)	$EXCLUDED
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	$1,000,000
	POLICY X PRO-JECT X LOC						GENERAL AGGREGATE	$2,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	$2,000,000
				Overall Policy	General	Aggregate		$5,000,000
C	AUTOMOBILE LIABILITY			BA3R7084312243G	02/14/2022	02/14/2023	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			006546318	02/14/2022	02/14/2023	EACH OCCURRENCE	$5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$5,000,000
	DED X RETENTION $10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			UB1R5099812243G	09/01/2022	09/01/2023	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N/A						E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000
A	Prof/Pollutn Liab Claims Made			013001524	02/14/2022	02/14/2023	$2,000,000 Per Claim $4,000,000 Aggregate $100,000 Ded.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Certificate is subject to policy limits, conditions and exclusions.
This certificate only applies to the operations for which our Insured actually performs work and that is referenced by written contract between Certificate Holder and our Insured.
Evidence of Insurance Only.

CERTIFICATE HOLDER

Leighton Consulting Inc
17781 Cowan Ste 100
Irvine, CA 92614-0000

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

Converse Consultants
Geotechnical Engineering
Environmental & Groundwater Science
Inspection & Testing Services




PROPOSAL

FOR RECYCLED WATER PROJECT PHASE 1, TESTING & INSPECTION SERVICES

VALLEY SANITARY DISTRICT
CITY OF INDIO, RIVERSIDE COUNTY, CALIFORNIA

CONVERSE PROJECT NO. 22-81-282-00 (30)

Presented To:
VALLEY SANITARY DISTRICT
45-500 Van Buren Street
Indio, CA 92201

Presented By:
CONVERSE CONSULTANTS
2021 Rancho Drive, Suite 1
Redlands, California 92373
909-796-0544

November 3, 2022

Converse Consultants
Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

November 3, 2022

Mr. Ron Buchwald, PE
District Engineer
Valley Sanitary District
45-500 Van Buren Street
Indio, CA 92201

RE: **PROPOSAL FOR RECYCLED WATER PROJECT PHASE 1 – TESTING AND INSPECTION SERVICES**
Valley Sanitary District (District)
City of Indio, Riverside County, California
Converse Project No. 22-81-282-00 (30)

Dear Mr. Buchwald:

Converse Consultants (Converse) appreciates the opportunity to submit our Proposal to provide Testing and Inspection Services for the Recycled Water Project Phase 1.

In preparation of this proposal, we performed.

- Reviewed the Request for Proposals (RFP) Recycled Water Project Phase 1 – Testing and Special Inspection Services, dated September 27, 2022.
- Reviewed the Response to Submitted Questions for the Request for Proposals (RFP) Recycled Water Project Phase 1 – Testing and Special Inspection Services, dated October 20, 2022.
- Reviewed portions of the plans and specifications for Valley Sanitary District Recycled Water Project – Phase 1 60% Submittal.
- Reviewed drawings G52 and G53 for inspections and testing details.

Our local office is within 11 miles of the District's office and our company information is as follows.

Company Legal Name:	The Converse Professional Group (DBA Converse Consultants)
Mailing Address:	42280 Beacon Hill, Suite D-9, Palm Desert, CA 92211
Main Point of Contact:	Hashmi Quazi, Principal in Charge/Project Manager
Email Address:	hquazi@converseconsultants.com
Phone Numbers:	750-610-2617 (office), 951-264-3286 (cell), 909-796-7675 (fax)

Converse have extensive experience providing geotechnical observation, soils and materials testing and special inspection services during the construction phase water/wastewater treatment plant projects throughout the Coachella Valley and southern California. The reasons we are one of the MOST qualified firm to be considered for this contract are as follows.

- *Extensive experience working in the Coachella Valley and Inland Empire* on numerous projects over the last decade including the Beaumont Wastewater Treatment Plant, the Palm Springs Wastewater Treatment Plant and several projects for the Coachella Valley Water District.
- A thorough understanding of the extent of geotechnical services needed during construction to support water treatment plant, water pipeline, sewer pipeline, booster pump stations and any other water related projects.
- *A company with over 76 years of experience* working for various water related projects throughout southern California.

- *Knowledgeable of the industry standards* and applicable federal, state, and local laws.
- Have executed contracts on similar water related projects with the Eastern Municipal Water District, Coachella Valley Water District, Hi-Desert Water District, Golden State Water Company, Inland Empire Utility Agency, Elsinore Valley Municipal Water District, City of Redlands, City of Ontario, City of Beaumont, City of Palm Springs and other municipalities within Riverside and San Bernardino Counties.
- *Extensive experience preparing reports to assist with the construction of water and wastewater infrastructures.* We provide technically sound and economically viable solutions to challenging issues resulting in saving in money and time for clients.
- *A large pool of resources* such as civil/geotechnical engineers, geologists, environmental scientists, special inspectors, laboratory and field technicians, drafting/CAD specialists, and other support personal specialized and certified in their respective fields.
- Our project manager ensures that our deliverables meet the industry standards. *We are committed to delivering our reports on time and within the agreed budget.*
- *Full-service in-house laboratory* in our Palm Desert and Redlands office can perform all geotechnical and materials tests that may be required for your projects. Our laboratories are approved by various certifying agencies, including American Association of State Highway and Transportation Officials (AASHTO), Caltrans, Division of State Architect (DSA) and Concrete and Cement Reference Laboratory (CCRL). To ensure quality control our laboratory is supervised by a registered Civil Engineer. All equipment is calibrated when they are due. If needed, our laboratory services are available 24 hours a day, 7 days a week. Should the need arise, we have an additional laboratory located in our Monrovia office.
- A very strong project manager in Hashmi Quazi, PhD, PE, GE, who is a registered civil and geotechnical engineer in the State of California with over 35 years of experience. He will ensure that all deliverables are submitted on schedule and within budget. Dr. Quazi is authorized to negotiate and execute an Agreement with the District on behalf of Converse.
- Proximity of our Palm Desert office to your project. This will reduce our response time and *we will NOT assess any travel time or mileage charge* on prevailing wage projects.
- We have read and understand the RFP in its entirety. Converse can comply with all terms and conditions and does not have any objections to the RFP.

We appreciate the opportunity to submit our qualifications and look forward to working with the Valley Sanitary District. If you have any questions or wish to discuss this proposal in greater detail, please feel free to call the undersigned at 909-474-2847.

CONVERSE CONSULTANTS

Hashmi Quazi, PhD, PE, GE
Principal-In-Charge / Project Manager

Dist.: 6/Addressee (1 email & 5 hard copies)

A. Approach/Methodology

Converse understands the District is seeking qualified consultants to perform quality control testing and special inspection services for the Recycled Water Project – Phase 1 which includes capital improvement and replacement projects necessary to replace aging underground infrastructure. Our proposed understanding and approach to perform the work required for this project are discussed below.

A.1 Project Understanding

The Recycled Water Project – Phase 1 consists of several plant upgrades, referred to as Energy Conservation Measures (ECMs) objectives listed below.

- ECM 1: Mechanical Bar Screen
- ECM 2: Grit Chamber
- ECM 3: Waste Activated Sludge Thickening – Rotary Screw Thickens
- ECM 4: 2nd Digester and Related Systems, Including Secondary Flare
- ECM 5: Switchboard – MS Replacement
- ECM 6: Returning Sludge Dewatering Filtrate

A.2 Project Objective

We understand the District will require us to perform special inspection for the construction project which meets the following objectives.

- Provide and maintain sufficient field personnel to administer and manage construction contract.
- Coordinate and communicate with the project's Design-Build Entity, Schneider Electric for requests for interpretation or clarification of meaning and intent of project plans and specifications. For reference, the Engineer of Record is Stantec.
- Provide soil compaction and materials testing certifications of compliance (COC).
- Ensure that contractors do not install materials without approved material testing certifications. Any failed tests shall be reported and direct contractor to take correction measures to achieve compliance.

Scope of Work

The scope of work involves all necessary special inspection and testing requirements to complete the project. Specifically, the scope of work shall include the following:

- Review background information, including but not limited to:
  - Regulatory requirements, code requirements, and other contractual requirements.
  - Operational requirements.
  - Other pertinent data, as necessary.
- Attend meetings and conference calls with staff as needed. An initial in- person meeting is assumed. After that, meetings can take place via conference call or in-person.
- Perform special inspections as described below.
  - Concrete Special Inspections - The services to be performed by the consultant firm in accordance with 2019 CBC Section 1705.3, include, but are not limited to:
    - Concrete Placement Inspection
    - Rebar and Prestressing Tendon Placement Inspection

- Pre and Post Tension Stressing Inspection
- Reinforcing Steel Welding Inspection
- Cast-In-Place Anchors Inspection
- Post-Installed Anchors Inspection
- Concrete and Grout Materials Testing
- Reinforcing Steel Materials Testing
- Precast Concrete Member Erection Inspection
- Precast Plant Inspection
- Batch Plant Inspection
- Concrete Mix Design Review (Verifying use of required design mix)
- Formwork Inspection
- Verification of In-Situ Concrete Strength Prior to Removal of Shores and Forms
- Curing Temperature and Techniques Inspection

o Soils Special Inspections – The services to be performed by the consultant firm in accordance with 2019 CBC Section 1705.6, include, but are not limited to:
- In-Situ Soil Classification and Testing of Controlled Fill Materials
- Excavation Stability and Suitability Assessment
- Subgrade Suitability Assessment
- Soil Compaction Inspection
- Soil Compaction Testing
- Stabilized base and subbase materials inspection
- Rigid and flexible pavement construction testing
- Deep foundation excavation inspection
- Pile driving inspection
- Proctor Tests

o Structural Steel Inspections – The services to be performed by the consultant firm in accordance with the quality assurance and quality control inspection requirements of AISC 360 and AISC 341, include, but are not limited to:
- Welding Inspection (prior, during, and after welding)
- Welding Nondestructive and Destructive Testing
- High-Strength Bolting Inspection (prior, during, and after bolting)
- Inspection of Placement of Anchor Rods and Other Embedments Supporting Structural Steel
- Load Testing of Cast-In-Place Bolts and Embedments
- High-Strength Bolts Material Testing (Hardness, Tensile Strength)
- Torque Verification of High-Strength Bolting
- Fabricated Steel or Erected Steel Frame Inspection
- Material Verification of Structural Steel
- Steel Frame Joint Details Inspection
- Base Plate Grouting Including Grout Pad Heights Inspection
- Curtain Wall Attachments Inspection
- Shop Fabrication Inspection
- Review of Welding Procedure and Welding Qualifications

o Post-Installed Anchor Special Inspections – The services to be performed by the inspection firm, include, but are not limited to:
- Epoxy Anchor Inspection
- Mechanical Anchor Inspection
- Torque Verification

o Asphalt Inspections – The services to be performed by the inspection firm, include, but are not limited to:

- Asphalt Inspection
- Asphalt Materials Testing
- Batch Plant Inspection
- Asphalt Mix Design Review

A.3 Approach/Methodology

Our project approach during construction is dictated by the requirements set forth in the project plan and specification. Our engineering staff, field/laboratory technicians and inspectors will perform the construction phase work described below.

The recycled water project will include modifications and upgrades to the various existing facilities within the wastewater treatment plant. During construction of these modifications/upgrades, we will be required to provide inspection and material testing to ascertain that the contractor's work is in conformance with the project plans and specifications.

Before the initiation of the project, we will submit a memo listing the name and qualifications of the staff who will be assigned to the project. We will also prepare a technical memo which will summarize the specifications for different elements and the project (soil, concrete, steel, etc.). We will arrange a meeting with the District's project manager to discuss how we plan to service the project.

We will require at least 24-hours advance notice when requesting our services through our central dispatcher. Converse will always try our best to accommodate shorter notice.

As you can see, we have a large pool of soils technicians and special inspectors who possess the required certificates and experience in their respective field. This will enable us to accomplish all tasks that will be required for this recycled water project. Some of our field staff are certified in multiple disciplines, as a result they can accomplish multiple tasks which will result in cost savings.

Soils Compaction

- Review soil reports, project plans and specification.
- Review submitted on-site and imported materials to determine their suitability as fill materials.
- Inspect bottom of excavation.
- Perform in-place density tests according to ASTM D 1556 (sand cone method). Soils density tests may also be performed by nuclear method according to ASTM D6938-10 and adjusted to ASTM D 1556 provided that calibration curves are periodically checked
- Provide fill placement inspection and testing during construction, on an intermittent and continuous basis as required to establish proper execution and conformance with the specifications. This includes testing (e.g., field density tests) on-site soil for subgrades to receive fill, fill placement on building pads, backfill placement in trenches, roadways, parking areas, walkways and subgrade.
- Review and provide laboratory testing on soil, backfill materials, aggregate base, under slab granular cushion, sand bedding, etc. Develop compaction curves for materials encountered. Monitor excavation and stockpiling of suitable fill material from mass excavation, existing aggregate base and the crushing of existing concrete for use as aggregate base.
- Review subgrades for floor slabs.
- Prepare daily reports summarizing all observations and test results.

Concrete

- Review concrete mix designs, product mill certificates for compliance.
- Review each batch ticket, inspect concrete placement, and test concrete slump.
- Provide minimum of one test for each type of cement and aggregate for conformance to the working drawings and specifications for mix designs.
- Concrete cylinder preparation and compression strength testing (includes cylinder mold, concrete cylinder preparation, cylinder casting, concrete cylinder pick up, curing, concrete cylinder break and test report, by technician labor work and laboratory technician).
- Verify concrete meets the specified strength and in required areas of locations.
- Fabricate and pick-up concrete cylinders.
- Monitor concrete tests results and advise for non-conforming tests.
- Take concrete samples and test for compressive strength and perform anchor pull test.
- Prepare reports summarizing all observations and test results.
- Cast one set of 4 concrete cylinders (1 week, 2 weeks, 4 weeks and add time cylinder).

Masonry

- Perform sampling and placing of masonry units with special attention to joints and bonding of units at the corners. Inspect placement of reinforcement including splices, clearances and supports. Inspect grout space immediately prior to closing of clean outs and during all grouting operations, including for removal of mortar fins, dirt, and debris.
- Test mortar, grout and block by the Unit Strength Method per CBC section 2105B3.4. Test units before construction and for each 5,000 SF wall area. Test masonry units for strength, absorption, and moisture content.
- Review certificates of compliance for materials; sample and test where nonperformance is indicated.
- Review mortar and grout mix designs and certificates of compliance for materials the Contractor proposes to use.
- Prepare reports summarizing all observations and test results.

Reinforcing Steel

- Review material identification/mill certification sheets to ensure that steel meets project manual specifications.
- Sample and test reinforcing steel (e.g., bend and tensile tests).
- Inspect welds to meet conformance with Project Specifications.
- Verify welding procedures, welding operators and welders in accordance with AWS D1.1.
- Inspect welded reinforcing bars according to CBC Section 1929A.
- Conduct high strength bolting inspection, test bolts, nuts and washers per ICBO, CBC & AISC.
- Prepare reports summarizing all observations and test results.

Shotcrete

- Verify mix design.
- Observe placement.
- Make panels.
- Core samples for compressive strength tests.

Post Tension

Post-installed anchors include expansion anchors, screw anchors, and epoxy anchors/dowels.

- Inspect installation of all post-installed anchors.
- Field test will either be tension test or torque test, as required for the specific anchor type.
- Field test 20% of anchors at all structural application.
- Test 10% of anchors at all non-structural applications.
- Test 10% of anchors at exterior wall track.

Fireproofing

- Inspect spray on fireproofing during construction.
- Perform fireproofing material density testing.

Welding

Our inspector will provide inspection for metal deck, reinforcing stud, metal stud, and concrete inserts. He will conduct the following.

- Pre-qualify all welder before work commences on all weld types.
- Provide continuous inspection in the shop and field during all welding activities.
- Test complete penetration welds either by using Ultrasonic or Radiography.
- Provide inspection for welding of reinforcing steel, structural steel, metal deck and studs.

High Strength Bolting

- Our inspectors will inspect and test high strength bolted joints in accordance with AISC 348 and CBC Section 1704.3.3.
- Sample and test bolt assemblies that include direct tension indicators, on a daily basis to verify proper indication of deformation with required bolt tension for each size lot.

Epoxy

- Observe injection of epoxy.
- Conduct pull tests.

Certified Welding Inspection

- Our inspectors will verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.
- Verify weld filler material manufacturer's certificate of compliance.
- Verify WPS, welder qualification and experience.

Structural Steel

- Review manufacturer's test reports for compliance with requirements specified.
- Verify material identification.
- Inspect high strength bolted connections.
- Inspect field welding.
- Inspect fabrication shop welding.
- Inspect welding in accordance with AWS D1.1.

Laboratory Testing

All laboratory testing will be performed at our certified laboratory. Testing will be required on soils, aggregates, concrete, asphalt and steel. We will ensure that all test results are issued when they

are due. Our laboratory is certified by Caltrans, the US Army Corps of Engineers, Division of the State Architect (DSA), the Cement and Concrete Reference Laboratory (CCRL), and the American Association of State Highway and Transportation Officials (AASHTO). It is supervised by a registered civil engineer to ensure quality control. All equipment is calibrated regularly. Our laboratory services are available 24 hours a day. Our laboratory can perform all soils and materials testing, which may be required for your project, including the following.

- Modified Proctor of soils and aggregate base
- Sieve Analysis
- Expansion Index
- R-value
- Marshall Density
- Extraction and Gradation of Asphalt Mix
- Compressive strength test of concrete cylinders
- Compressive strength of grout/mortar cylinders
- Compressive strength test of masonry
- Compressive test of masonry block (1 set of 9)
- Rebar bend and tensile
- High strength bolts

Reports

For field density and relative compaction tests, we will provide a copy of the test results to the District's representative at the time of testing and will conform to the Federal Requirements and Caltrans Standards. Converse will provide a formal report to the District within 5 working days of project completion. For all other tests, an informal report will be made by phone or fax upon completion of the test. A formal report, including all backup information, will be sent within 5 working days of completion of the testing. A final report stamped and signed by a licensed civil engineer will be submitted to the County at the completion of project.

Office Support

The field and laboratory personnel will be well supported by a group of office staff. The project manager and other office staff will provide the following.

- Consultation and attend as-needed project progress meetings.
- Verify and approve all laboratory test results before issuing to the field representative and the project team.
- Prepare interim reports on project progress.
- Monitor staff allocation.
- Review all laboratory test results to verify compliance.
- Perform budget monitoring and percent completion and budget expended. Keep client updated on the budget status along with every monthly invoice.
- Prepare reports showing laboratory test results.

A.3 Firm Location

Our local office is located at 42280 Beacon Hill, Suite D-9, Palm Desert, California which is within 11 miles of the District's office. Due to our close proximity to your project our response time will be reduced, and we will not charge any travel time or mileage fees.

B. PROFESSIONAL QUALIFICATIONS AND EXPERIENCE

To service this District project, we have prepared this proposal to demonstrate our professional qualifications, competency, capacity in conformance and experience we have working with public agencies for many decades.

B.1 Professional Qualifications

Converse has over 76 years of experience providing geotechnical engineering and field observation and testing services for regional water districts and municipal water departments in Southern California. Our clients include Eastern Municipal Water District, Mojave Water Agency, Upper San Gabriel Municipal Water District, Elsinore Valley Municipal Water District, Coachella Valley Water District, Inland Empire Utilities Agency, San Bernardino Valley Municipal Water District, Western Municipal Water District, Ontario Municipal Water Company, City of Riverside Public Utilities Department, City of Redlands, City of San Bernardino and many others.

Staffing

One of the key elements of servicing any project is to have the appropriate staff available when needed. To meet that demand, we have access to a pool of about 50 regional professional and technical staff including geotechnical engineers, engineering geologists, environmental scientists, deputy inspectors, laboratory and field technicians, drafting/CAD specialists, and other specialized support personnel. A listing of our available staff and our key personnel qualifications and experience are provided in *Section C, Firm Organization and Project Team* of this proposal.

Dr. Hashmi Quazi, PhD, PE, GE will serve as Principal-in-Charge/Project Director for all Converse services for the District. He is a registered civil and geotechnical engineer with over 35 years of experience in Southern California. He has worked on many water agency projects over the years and will ensure that all deliverables are submitted on schedule and within budget.

Laboratory

To support QA/QC services it is very important to have a laboratory equipped with appropriate equipment and staffed by qualified and experienced personal. To meet that need, Converse maintains laboratories in our Palm Desert, Redlands, and Monrovia offices to service our projects effectively. Our laboratories are managed by registered civil engineers and staffed by experienced and qualified technicians. Our in-house capabilities enable sharing the workload across regional labs to ensure that results are ready when they are due and provide services 24/7. Test results are reviewed by the laboratory supervisors and signed by the manager prior to issuance to the client. Our laboratories are certified by DSA, AASHTO, Caltrans, CCRL, and other relevant state and local agencies. We also participate in the AMRL and Caltrans reference sample program. Our capabilities include all standard and many specialized tests to support the full range of services we provide.

Maintaining Schedule and Budget

Maintaining schedule and budget is an integral part of our services. We will work with your Project Manager/Field Representative to ascertain that our services are scheduled when required. Also, we will always attempt to use our staff when there is at least half a day or a full day's' worth of work. The intent is to minimize standby time, which will result in savings for the District. There will NOT be any stoppage of work due to delay in respond to your request for our services.

To avoid any surprises related to budget overrun, our designated project manager will monitor the budget weekly related to every task. He will communicate with your representative to ascertain that the work performed, and budget spent are compatible. If for unavoidable reason(s) additional budget will be required, we will notify the District and provide justification for additional budget request.

Mission Statement

Our mission is to work with your project staff to provide responsive and quality services in a timely and cost-effective manner which this proposal illustrates.

Environmental Practices

Converse promotes and engages in environmentally friendly practices by providing our clients with PDF formatted proposals and reports unless otherwise requested by said clients. Our field technicians are provided tablets to document their field results, therefore, eliminating the need for paper copies. When paper copies are required within our office, we have a recycling system in place to transport all paper documents to a recycling center for disposal. In addition, we have a recycling bin set up for all aluminum and glass containers used by staff. We set our air conditioning at 78 degrees F during work hours and is turned off after hours and during weekends and holidays.

Project Experience

Converse has many years of experience providing material testing and inspection services throughout southern California for many agencies such as those listed above. Below is a list of projects for which we have provided these services for water/wastewater treatment plants over the years. Detailed representative projects which have been completed in the last 5 years are presented on the following pages.

- Palm Springs Water Reclamation Facility
- Beaumont WWTP & Brine Pipeline
- Temecula Valley RWRF Expansion
- Redlands Wastewater Treatment Plant Platforms
- Margaret Chandler Water Reclamation Plant
- VVWRA Reclamation Plant
- Westside Wastewater Reclamation Plant
- Moreno Valley Water Reclamation Plant
- Perris Valley Water Reclamation Plant
- Temecula Valley Water Reclamation Facility
- John W. North Water Treatment Plant
- Banning Wastewater Treatment Plant
- Encinas Wastewater Treatment Plant
- Edward C. Little Recycling Water Plant
- West Basin Municipal Water District ECLWRF
- Fallbrook Water Reclamation Plant
- Santa Rosa Water Reclamation Facility
- Henry Wochholz Wastewter Treatment Plant
- San Jacinto Water Reclamation Facility
- Perris Valley Water Reclamation Facility


Beaumont WWTP


Temecula Valley WWTP


Palm Springs WRF

Beaumont WWTP & Brine Pipeline

PROJECT LOCATION
Beaumont, CA

OWNER / CLIENT
City of Beaumont
c/o MWH Global
300 N. Lake Avenue, Suite 400
Arcadia, CA 91107
Randy Lovan
949-439-0423

PROJECT TEAM
Hashmi Quazi, Principal in Charge
Antonio Maciel, Sr. Staff Engineer
William Buckley, Staff Geologist
Brian Kauffman, Field Technician
Gerardo Portea, Field Technician
Diego Garcia, Field Technician
Bill Kowalski, Field Technician

RESPONSIBILITIES
Geotechnical Observation, Materials Testing & Inspection

PROJECT DURATION
December 2018 – August 2020

PROJECT DESCRIPTION
The project consists of the expansion of the Beaumont Wastewater Treatment Plant located in Beaumont, California. The proposed expansion consists of 2 aeration/anoxic basins, an equalization basin, headworks, UV disinfection system, a RO system, and a Membrane Bio-Reactor (MBR) Treatment Facility. Site development will include mass grading, building pad preparation, and underground utility installation. In addition, a 14-inch diameter brine pipeline provided in two phases will be constructed using open cut-and-cover and bore-and-jack technique.

SCOPE OF WORK DURING CONSTRUCTION
- Review soil reports, project plans and specification and inspect bottom of excavation.
- Perform in-place density tests and provide fill placement inspection and testing during construction, on an intermittent and continuous basis as required to establish proper execution and conformance with the specifications.
- Review and provide laboratory testing on soil, backfill materials, aggregate base. Develop compaction curves for materials encountered.
- Review sub-grades for floor slabs.
- Prepare reports summarizing all observations and test results.
- Review concrete mix design provided by the supplier for compliance.
- Test slump of concrete using slump cone at the beginning of each placement.
- Inspection reinforcing steel, including prestressing tendon, and placement.
- Provide continuous inspection in the shop and field during all welding activities.
- Verify weld filler material manufacturer's certificate of compliance.
- Review manufacturer's structural steel test reports for compliance with requirements specified and verify material identification.
- Inspect and test high strength bolted joints in accordance with AISC 348 and CBC Section 1704.3.3.
- Inspect high strength bolted connections, field welding, and fabrication shop welding in accordance with AWS D1.1.

Palm Springs WWTP Expansion

PROJECT LOCATION
Palm Springs, CA

OWNER / CLIENT
Veolia North America
4375 East Mesquite Avenue
Palm Springs, CA 92274
James Hestad
760-323-8166

PROJECT TEAM
Hashmi Quazi, Principal in Charge
Antonio Maciel, Sr. Staff Engineer
Gerardo Portea, Field Technician
Brandon Williams, Inspector
Brian Kauffman, Field Technician
Bill Kowalski, Field Technician
Diego Garcia, Field Technician

RESPONSIBILITIES
Geotechnical Investigations & Material Testing & Inspections

PROJECT DURATION
Jan. 2014 – Dec. 2018

PROJECT DESCRIPTION
The Palm Springs Wastewater Treatment Plant is located at 4375 East Mesquite Avenue, Palm Springs, CA. The project involves design and construction of two Headworks, Primary Clarifiers, FOG Treatment Facilities, a Cogeneration System Facility, Odor Control Facility and other structures. At-grade / below grade reinforced concrete structures founded on spread footings and mat foundations were part of the project.

SCOPE OF WORK DURING DESIGN
- Reviewed the previous geotechnical investigation report (Converse, 2009 & 2014) and available pertinent geotechnical reports, geologic and seismic hazard maps, and groundwater data for the area.
- Observed the existing conditions and to evaluate the proposed upgrade structures in relation to the boring locations presented in Converse's previous report.
- Drilled a total of 10 borings to depths ranging from 16.5 to 41.5 feet below existing ground surface (bgs).
- Conducted laboratory tests of representative samples of the site soils, including in-situ moisture content and dry density, sand equivalent, soil corrosivity, grain size analysis, maximum dry density and optimum moisture content, direct shear, and consolidation.
- Analyzed and evaluated data obtained from the field exploration and laboratory testing program and performed geotechnical analyses.
- Prepared reports to present our findings, conclusions and preliminary recommendations for site earthwork, and design and construction of foundations for proposed development.

SCOPE OF WORK DURING CONSTRUCTION
- Review concrete mix design provided by the supplier for compliance with the project specifications.
- Perform slump test at the beginning of each placement and when requested to do so by the Engineer.
- Conduct periodic inspection of reinforcing steel, including prestressing tendon, and placement.
- Review soil reports, project plans and specification.
- Perform in-place density tests according to ASTM D 1556.
- Provide fill placement inspection and testing during construction, on an intermittent and continuous basis as required to establish proper execution and conformance with the specifications.
- Review and provide laboratory testing on soil, backfill materials, aggregate base.
- Provide continuous inspection in the shop and field during all welding activities.
- Conduct testing of complete penetration welds either by using Ultrasonic or Radiography.
- Provide inspection for welding of reinforcing steel, structural steel, metal deck and studs.
- Inspect and test high strength bolted joints in accordance with AISC 348 and CBC Section 1704.3.3.
- Conduct inspection of high strength bolted connections, field welding, and fabrication shop welding.

California Avenue Sewer Improvements

PROJECT LOCATION
Corona, CA

OWNER / CLIENT
City of Corona
Department of Public Works
400 South Vicentia Avenue
Corona, CA 92882
Barry Ghami
951-739-4961

PROJECT TEAM
Hashmi Quazi, Principal in Charge
Antonio Maciel, Senior Staff Engineer
Gerardo Portea, Field Technician
Bill Kowalski, Field Technician
Diego Garcia, Field Technician

RESPONSIBILITIES
Geotechnical Material Testing & Inspection Services

PROJECT DURATION
June 2018 – March 2019

PROJECT DESCRIPTION
The proposed project included construction of 9,050 feet of VCP sewer line starting at an existing manhole on Pico Street and California Avenue, 800 feet of 2 parallel 12-inch HDPE force mains starting at the intersection of the gravity sewer line and ending in Foothill Parkway approximately 200 feet west of Tamarisk Lane and 136 feet bore and jack operation with a 27-inch casing at the intersection of Ontario Avenue and California Avenue, and a 100-foot jack and bore operation with a 27-inch casing at the intersection of Chase Drive and California Avenue.

SCOPE OF WORK DURING CONSTRUCTION
- Conduct in-place density testing of structural foundation and backfill, pipeline bedding and backfilling, and testing of aggregate base and asphalt concrete. Testing was required daily during pipeline construction and as required for structural foundation and backfill.
- Perform laboratory testing which consists of maximum dry density and optimum moisture content of soils, aggregate base and asphalt concrete.
- Prepare daily reports to include results of the field compaction testing and laboratory testing to confirm that bedding, backfill subgrades and pavements were installed accordance to the plans and specifications.
- Consult and attend as-needed progress meetings.
- Prepare final report including all tests performed and results then distributed the report to the client representative.

Riverside & Guasti Sewer Pipeline

PROJECT LOCATION
Ontario, CA

OWNER / CLIENT
Ontario Municipal Utilities Company
1425 South Bon View Avenue
Ontario, CA 91761
Omar Gonzalez
951-227-2563

PROJECT TEAM
Hashmi Quazi, Principal in Charge
Antonio Maciel, Senior Staff Engineer
Gerardo Portea, Field Technician
Bill Kowalski, Field Technician
Brian Kauffman, Field Technician
Diego Garcia, Field Technician

RESPONSIBILITIES
Geotechnical Observation, Material Testing and Inspection Services

PROJECT DURATION
August 2017 – January 2018

PROJECT DESCRIPTION
The project consisted of the construction of sewer pipeline improvements along Riverside Avenue at Bon View Avenue and along Guasti Road at Ponderosa Avenue in the City of Ontario, California.

SCOPE OF WORK DURING CONSTRUCTION
- Attended pre-construction meeting with client.
- Performed full-time/as-needed field observation and testing of compacted utility trench backfill.
- Provided full-time/as-need field observation and compaction testing during asphalt concrete placement.
- Conducted laboratory testing of soils, aggregate base, and asphalt concrete, coring of asphalt concrete.
- Reviewed asphalt concrete mix design, provided batch plant inspection, observed placement of asphalt concrete and conduced density tests.
- Provided laboratory testing of samples which included modified proctor, sand equivalent, sieve analysis, specific gravity, Hveem/Marshall laboratory density.
- Prepared final project summary compaction report and distributed to the City's representative.

Moreno Valley Water Reclamation Facility

PROJECT LOCATION
Moreno Valley, CA

OWNER / CLIENT
Eastern Municipal Water District
Greg Kowalski
2270 Trumble Road
Perris, CA 92572-8300
951-928-3777, x4313

PROJECT TEAM
Hashmi Quazi, Principal in Charge
Antonio Maciel, Senior Staff Engineer
Gerardo Portea, Field Technician
Bill Kowalski, Field Technician
Brian Kauffman, Field Technician
Sean Castillo, Field Technician
Brandon William, Inspector

RESPONSIBILITIES
Geotechnical Observation, Material Testing and Inspection Services

PROJECT DESCRIPTION
The project consisted of the construction of Secondary Clarifiers and Tertiary Treatment (SCATT) Expansion and Preliminary Treatment and Acid-Phase Anaerobic Digestion (APAD) Projects. They involve headworks, secondary clarifiers, secondary and tertiary treatment facilities, power and blower buildings, electrical buildings, and various other associated facilities and improvements.

SCOPE OF WORK DURING CONSTRUCTION
- Provided field density testing of trench backfill per EMWD standard specifications, verify and approve the required over-excavation and compaction of soils.
- Performed laboratory testing of pipe bedding backfill material to determine maximum dry density and optimum moisture conditions for compaction per ASTM Standard D1557 test method.
- Observed concrete placement, fabricate concrete cylinders, and conduct compressive strength testing.
- Observed masonry wall construction and inspect structural reinforcement placement and welding.
- Prepared reports containing a summary of geotechnical observations, field density test results and their locations, as well as the certification of compaction of the trench backfill in accordance with the project specifications.

Perris Valley Water Reclamation Facility

PROJECT LOCATION
Perris, CA

OWNER / CLIENT
Eastern Municipal Water District
2270 Trumble Road
Perris, CA 92570
Gabriel Buenagua
951-928-3777, Ext. 4333

PROJECT TEAM
Hashmi Quazi, Principal in Charge
Gerardo Portea, Technician
Bill Kowalski, Technician

RESPONSIBILITIES
Geotechnical Investigation, Geotechnical Observation, & Materials Testing and Inspection Services

PROJECT DESCRIPTION
Converse has been involved with the Perris Valley RWRF for many years. This expansion was at the east portion of the site and minor structures at the north and south portions. The expansion included 3 primary clarifiers, 5 aeration basins, 3 secondary clarifiers, 1 tertiary filter, 3 chlorine contact basins, 1 solids handling building, 3 digesters, 1 gas storage/sludge holding tank, 5 soil filter odor controls, 1 septage receiving station, 1 tertiary chemical facility, 1 tertiary effluent pond, 2 electrical buildings, 1 primary sludge/scum pump station, 2 secondary RAS/WAS scum pump stations, and 1 chlorine contact basin splitter box.

SCOPE OF WORK DURING DESIGN
- Reviewed available pertinent geotechnical and geologic reports and maps for the area.
- Performed site reconnaissance to observe surface conditions and select exploratory boring locations.
- Drilled a total of twenty-one (21) borings to depths ranging from 15.5 to 51.5 feet below existing ground surface (bgs).
- Conducted laboratory testing of representative samples of the site soils, including *in-situ* moisture content and dry density, sieve analysis, maximum dry density and optimum moisture content, direct shear, consolidation, collapse potential, expansion index, Atterberg limits, sand equivalent, falling head permeability, and soil corrosivity.
- Performed engineering analyses and evaluation of results from the field exploration and laboratory testing.
- Prepared a report to present our findings, conclusions, and recommendations pertaining to site grading, backfill behind subterranean structures, and design of walls and foundation.

SCOPE OF WORK DURING CONSTRUCTION
- Performed observation and field density testing during grading, various structure and trench backfills.
- Conducted laboratory tests, including maximum dry density and optimum moisture content relationships of the fill soils, grain size analysis, expansion index, soil corrosivity, sand equivalent.
- Conducted compressive strength testing of concrete cylinders.
- Provided necessary as-needed geotechnical consultation services.
- Prepared a report to summarize field observations, field density, and laboratory testing, and to verify earthwork compliance with the project plans and specifications.

B.2 References

Our mission is to work together with our clients to provide responsive and quality services, resulting in the development of long-term relationships. The successful completion of any project involves the total satisfaction of the client. Our clients will attest to the quality and cost-effectiveness of our services. Below is a list of references including their contact location, Converse project team, scope of work and description of project.

Client Contact	Project Team	Scope of Work
North Perris Groundwater Contamination, *Perris & Moreno Valley, CA*		
Eastern Municipal Water District Greg Kowalski 2270 Trumble Road Perris, CA 92572-8300 951-928-3777, x4313 kowalskg@emwd.org	Hashmi Quazi, PIC Robert Gregorek, Senior Geologist Mahmoud Suliman, Sr. Staff Engineer Catherine Nelson, Sr. Staff Geologist Brian Kauffman, Technician Bill Kowalski, Technician	Provided geotechnical observation and materials testing and inspection services which included construction of Well No. 204 building, electrical room, generator room and chemical room; blow off and storage pone, backwash waste tank and associated site grading, yard piping, access road and drainage; 8-inch water pipeline and 19,945 LF of 12 – 20-inch PVC.
Riverside & Guasti Sewer Pipeline, *Ontario, CA*		
City of Palm Springs **c/o Veolia North America** 4375 East Mesquite Avenue Palm Springs, CA 92274 James Hestad 760-323-8166 James.hestad@veolia.com	Hashmi Quazi, PIC Antonio Maciel, Senior Staff Engineer Gerardo Portea, Technician Bill Kowalski, Technician Brian Kauffman, Technician Diego Garcia, Technician	Provided geotechnical observation and materials testing and inspection services which included design and construction of two Headworks, Primary Clarifiers, FOG Treatment Facilities, a Cogeneration System Facility, Odor Control Facility and other structures.
California Avenue Sewer Pipeline, *Corona, CA*		
City of Corona Barry Ghaemi 400 South Vicentia Avenue Corona, CA 92882 951-279-3558 barry.ghaemi@ci.corona.ca.us	Hashmi Quazi, PIC Antonio Maciel, Sr. Staff Engineer Gerardo Portea, Technician Bill Kowalski, Technician Diego Garcia, Technician	Provided geotechnical observation and materials testing and inspection services for construction of 9,050 LF of VCP sewer line starting at existing manhole on Pico St. and California Ave.
Beaumont Wastewater Treatment Plant & Brine Pipeline, *Beaumont, CA*		
City of Beaumont **c/o MWH Global** 300 N. Lake Avenue, Suite 400 Arcadia, CA 91107 Randy Lovan 949-439-0423 randy.lovan@mwhconstructors.com	Hashmi Quazi, PIC Antonio Maciel, Sr. Staff Engineer William Buckley, Staff Geologist Brian Kauffman, Technician Gerardo Portea, Technician Diego Garcia, Technician Bill Kowalski, Technician	Provided geotechnical observation and materials testing and inspection services for the expansion which consisted of 2 aeration/anoxic basins, an equalization basin, headworks, UV disinfection system, a RO system, and a Membrane Bio-Reactor (MBR) Treatment Facility. Site development will include mass grading, building pad preparation, underground utility installation and 2 brine pipelines.

C. Firm Organization and Project Team

Converse has a large pool of staff with the qualifications and experience providing geotechnical materials testing and inspection services. Our key personnel responsibilities, staff matrix and key personnel resumes are presented in this section. Converse and all key personnel assigned to these projects are licensed to perform the services required and will maintain the appropriate licenses throughout the duration of the contract with the District.

C.1 Company Information

Type of Ownership: Corporation

Number of Years in Business: 76 Years (Established in 1946)

Primary Services Provided

- Engineering Geology: Faulting and Seismicity Hazards
- Geotechnical Engineering: Subsurface Investigation, Earthwork, Foundations, Retaining Walls, Pipelines and Pavement
- Environmental Services: Brownfields, Phase I/Phase II, Landfills/Solid Waste, SWPPP, Remediation, Underground Storage Tanks, Regulatory Compliance, Occupational Health and Safety
- Building Sciences: Asbestos and Lead Paint, Industrial Hygiene/Indoor Air Quality, Mold/Fungal/Legionella, Radon, Sustainable Development
- Construction Services: Soil and Materials
- Geotechnical Laboratory: Soils, Aggregates, Concrete, Bituminous Materials, Masonry, Grout-Mortar, Reinforcing Steel, Roofing and Fireproofing
- Additional Services: Training and Expert Witness

Size of Firm: Converse is an employee-owned corporation, with 9 offices located in Redlands, CA; Monrovia, CA; Costa Mesa, CA; Palmdale, CA; Palm Desert, CA; Reno, NV; Las Vegas, NV; Elko, NV; State College, PA and approximately 130 employees throughout the United States.

C.2 Key Personnel

Our key personnel, who will be assigned to this project, have prior experience and expertise working on the projects noted above. They have the knowledge and experience providing geotechnical and materials testing services. Our staff have worked with owner representatives, construction managers and contractors in delivering quality projects on schedule and within budget.

Hashmi Quazi, PhD, PE, GE, *Principal in Charge/Project Manager,* has over 35 years of experience providing geotechnical and materials testing services. He will be the District's point-of-contact on the matters dealing with the services offered. His duties under will include the following.

- Quality Assurance/Quality Control (QA/QC) for all Converse activities.
- Technical assistance and oversight.
- Contract and budget negotiations.
- Report review.
- Resource management oversight.

- Attend project meetings as needed.

Antonio Maciel, *Senior Staff Engineer/ Assistant Project Manager*, has 14 years of experience providing geotechnical engineering services during the design and construction of related projects. His duties will include the following.

- Attend project kick-off meeting and all as-needed progress meetings.
- Assign personnel to projects on an as-needed basis in coordination with your representatives.
- Work with Field Services Coordinator and Lead Technician to forecast man-hour requirements.
- Supervise field activities and laboratory testing for projects in design and construction phases.
- Verify and approve all laboratory test results before issuing to the field representative and the project team.
- Review all field daily reports to verify compliance with the project plan and specification and prepare interim reports on project progress.
- Oversee our staff to ensure our services are on schedule and within budget.
- Assure that all deliverables are submitted on time.
- Review, monitor, and provide general direction for our laboratory and field personnel.
- Review and issue reports and invoices for submittal.
- Review asphalt and cement concrete mix design.
- Consultation, recommendations and attend as-needed project progress meetings.

Gerardo Portea, *Lead Technician,* is Caltrans certified and has over 24 years of experience with the expertise to perform the observations and tests on complicated sites, anticipate problems before they impact the project and work with the project manager to develop solutions. His duties will include the following.

- Coordinate with the Project Manager and Field Services Coordinator on a daily basis so upcoming earthwork activities can be accurately forecast, and the appropriate team members are made available for this project.
- Coordinate with Field Technicians on an on-going basis.
- Provide as-needed quality control services during construction related to soils, aggregate and concrete.
- Concrete and bituminous plant inspections/testing.
- Concrete cylinder preparation.
- Bituminous pavement coring and testing.
- Prepare daily field reports and submit to the District's representative.

Franklin Tsai, *Lead Inspector,* has over 20 years of experience with the expertise to provide special inspection services. His duties for this project will include the following.

- Coordinate with the Project Manager and Field Services Coordinator
- Coordinate with Inspectors on an on-going basis
- Provide as-needed quality control services during construction
- Prepare daily field reports and submit to client representative

Jita Smith, *Laboratory Supervisor,* has experience managing soils and materials laboratories for Converse and is responsible for the completion of all laboratory testing programs. His duties will include the following.

- Coordinate with the Project Manager on all laboratory testing programs.
- Assign appropriate laboratory staff to ensure all tests are performed properly and results are provided on time.
- Ensure all laboratory equipment is properly calibrated and certified.
- Issue laboratory test results when they are due.
- Report failed test results to the project manager immediately.

Penney Munns, *Field Services Coordinator,* will be the single point of contact to take requests for our services from your representatives. We request 24 hours advance notice; however, since our assigned staff are local to the area, we will be able to respond with shorter notice. Her duties will include the following.

- Make sure we have plans and specifications, as necessary, for the project.
- Prepare field folders to include our proposal and scope of work, project team contact information.
- Schedule and dispatch field staff with appropriate training, certifications and experience.
- Confirm staff is on site on time with all necessary equipment and test data.
- Review daily field activity reports to make sure they are complete and signed.
- File completed laboratory test results in the field folder, so it is available to the field staff.
- Distribute field daily reports and laboratory test results as required.

Field Personnel: We have a pool of qualified and experience field personnel that we will draw from depending on the project demands. Due to the strength of our staff pool and our proximity to any project site we can and will respond to notices shorter than the required 24 hours. The field personnel will have all appropriate certifications and experience for the tasks they are performing. We can assign field and laboratory personnel on a full-time basis if the project demands. The field personnel will conduct sampling and testing on an as-needed basis.

Office Support: The field and laboratory personnel will be well supported by a group of office staff. The project manager and other office staff will provide the following.

- Consultation and attend as-needed project progress meetings.
- Verify and approve all lab test results before issuing to the field representative.
- Prepare interim reports on project progress and monitor staff allocation.
- Review all field daily reports to verify compliance with the project plan and specification.
- Perform budget monitoring and percent completion and budget expended. Keep client updated on the budget status along with every monthly invoice.
- Prepare final project close out reports.

C.3 Key Personnel/Role

Below is our staff matrix which shows our key personnel assignments for this proposal, licenses/certifications, and years of experience.

ENGINEERS / GEOLOGISTS			
Name	**Duties for Projects**	**Certifications**	**Years of Exp.**
Hashmi Quazi	Principal-in-Charge/Project Manager	PhD, PE, GE	35
Antonio Maciel	Sr. Staff Engineer/Asst. Project Manager	BS, EIT	14
Robert Gregorek	Senior Geologist	MS, PG, CEG	43
Mahmoud Suliman	Sr. Staff Engineer	MS	3
Catherine Nelson	Senior Staff Geologist	BS, GIT	3
William Buckley	Staff Geologist	MS	7

FIELD TECHNICIANS			
Name	**Duties for Projects**	**Certifications**	**Years of Exp.**
Bill Kowalski	Lead Technician	Caltrans 125, 231, 504, 518, 533, 539, 540, 543, 556, 557, ACI Certified Field Tech Grade I, Nuclear Gauge	19
Gerardo Portea	Field Technician	Caltrans 125, 231, 504, 518, 523, 533, 539, 540, 543, 556, 557, ACI Certified Grade I, Nuclear Gauge	24
Brian Kauffman	Field Technician	Caltrans 125, 231, 533, ACI, Nuclear Gauge, ACI Concrete Field Tech Grade I	19
Diego Garcia	Field Technician	Caltrans 125, 231, 504, 518, 523, 533, 539, 540, 543, 556, 557, ACI Certified Grade I, Nuclear Gauge	12
Sean Castillo	Field Technician	Caltrans 216, 231, Nuclear Gauge, ACI Grade I	15
Tom Groover	Field Technician	Nuclear Gauge, ACI Grade I	22
Randy White	Field Technician	Caltrans 125, 504, 518, 523, 539, 540, 543, 556, 557	21
Donte Hightower	Field Technician	ACI Grade I	5
Travell Landrum	Field Technician	Caltrans 125, 231, 504, 518, 523, 533, 539, 540, 543, 556, 557	1

INSPECTORS			
Name	**Duties for Projects**	**Certifications**	**Years of Exp.**
Franklin Tsai	Inspector	AWS CWI, UT, Post Tension	20
Sergio Perez	Inspector	ACI Grade I, Nuclear Gauge; ICC Reinforced Conc., Masonry, Fireproofing; DSA Masonry	18
Brandon Williams	Lead Inspector	DSA Masonry, AWS -CWI, ICC Reinforced Concrete, ICC Struct. Masonry, ICC Steel & Bolting Welding, ICC Spray-Applied Fireproofing, ACI Concrete Grade I	21
Craig Hainsworth	Inspector	AWS CWI, ICC Concrete	15

INSPECTORS			
Name	**Duties for Projects**	**Certifications**	**Years of Exp.**
Karl Price	Inspector	ACI Grade I, Batch Plant, DSA Masonry, ICC Reinforced Concrete, ICC Struct. Masonry, ICC PT Concrete, ICC Spray-Applied, Fireproofing, Torque Testing	37
David Hainsworth	Inspector	AWS CWI	11
Ken Jones	Inspector	ICC Reinforced Concrete, ICC Structural Masonry, DSA Masonry, ACI Grade I, Class C-8 Concrete Contractor	28
Kevin Tran	Inspector	AWS CWI, ICC Structural Steel & Bolting	15
Edward Tsai	Inspector	AWS CWI, Certified Level II –UT, MT, Certificate in Training in Level I/II – UT, MT, PT, RT & ET	13
Doug Lupo	Inspector	ICC Reinforced Concrete, ACI Certified	15
Henry Arrendondo	Inspector	AWS, CWI, ICC Structural Steel & Bolting, Welding	15

LABORATORY TECHNICIANS			
Name	**Duties for Projects**	**Certifications**	**Years of Exp.**
Jita Smith	Lab Supervisor	Caltrans 105, 125, 201, 202, 205, 216, 217, 226, 227, 229	3
Christian Quintero	Lab Technician	Caltrans 504, 518, 539, 543, 556, 557, ACI Grade I, Nuclear Gauge	6
Travell Landrum	Lab Technician	Caltrans 125, 231, 533	1

C.4 Key Personnel Resumes

The professional staff assigned to the District's projects have direct experience providing services for the types of projects undertaken by the District. The technical staff are certified in multiple disciplines to maximize the use of their time on site, saving you time and money. Converse and all assigned key personnel hold the proper current licenses to perform the services required. Key personnel resumes are included on the following pages. Additional resumes will be provided upon request.

Hashmi Quazi, PhD, PE, GE

Principal-in-Charge / Project Manager

Dr. Quazi has over 35 years of experience providing geotechnical engineering services and has earned a reputation for providing quality work in an honest and ethical manner, on time and within budget for water/wastewater treatment plants, sewer pipelines, pump stations and other related project types.

EDUCATION

- Ph.D., Civil Engineering, University of Arizona, 1987
- M.S., Civil Engineering, Arizona State University, 1982
- B.S., Bangladesh Engineering University, 1978

REGISTRATIONS/CERTIFICATIONS

- California, Civil Engineer, #46651
- California, Geotechnical Engineer, #2517

Relevant Experience

Beaumont WWTP and Brine Pipeline, *Beaumont, CA*. Principal in Charge. Provided technical and budget oversight, resource allocation, and contract management for the construction phase. The project consists of the expansion of the Beaumont Treatment Plant located in Beaumont, California. The proposed expansion consists of 2 aeration/anoxic basins, an equalization basin, headworks, UV disinfection system, a RO system, and a Membrane Bio-Reactor (MBR) Treatment Facility. Site development will include mass grading, building pad preparation, and underground utility installation. In addition, a 14-inch diameter brine pipeline provided in two phases will be constructed using open cut-and-cover and bore-and-jack technique.

Palm Springs Wastewater Treatment Plant Expansion, *Palm Springs, CA.* Principal in Charge. Provided budget and technical oversight for the design and construction phases of the project. The project involved design and construction of two Headworks, Primary Clarifiers, FOG Treatment Facilities, a Cogeneration System Facility, Odor Control Facility and other structures. Both at-grade and below grade reinforced concrete structures founded on spread footings and mat foundations were planned as part of the project.

California Avenue Sewer, *Corona, CA.* Principal in Charge. Provided technical oversight and budget allocation for the materials testing and inspection services. The project included construction of 9,050 feet of VCP sewer line, 800 feet of two parallel 12-inch HDPE force mains and jack operation with a 27-inch casing.

San Jacinto Valley RWRF Expansion, *San Jacinto, CA*. Principal in Charge. Provided technical oversight and budget control for geotechnical investigation and provides supervision of geotechnical observation and testing during construction. The San Jacinto Valley Expansion Project is located at the existing RWRF site, at 700 North Sanderson Avenue, in the city of San Jacinto, California. The proposed structures include headworks, primary influent splitter box, primary and secondary clarifiers, primary sludge/scum pump station, primary effluent splitter box, APT chemical facilities, aeration basins, blower building, secondary RAS/WAS/Scum pump station, secondary effluent equalization basins, and many others.

Moreno Valley WRF, *Moreno Valley, CA*. Principal in Charge. Provided technical oversight and budget allocation for the materials testing and inspection services. The project consisted of the construction of Secondary Clarifiers and Tertiary Treatment (SCATT) Expansion and Preliminary Treatment and Acid-Phase Anaerobic Digestion (APAD) Projects. They involve headworks, secondary clarifiers, secondary and tertiary treatment facilities, power and blower buildings, electrical buildings, and various other associated facilities and improvements.

Antonio Maciel

Senior Staff Engineer / Assistant Project Manager

Mr. Maciel has 14 years of construction inspection experience involving investigation and engineering analysis. His field experience includes soil investigation and sampling. In his experience, Mr. Maciel has prepared various detailed reports based on field data and observations, laboratory testing and geotechnical engineering principles for water/wastewater treatment plants, sewer pipelines, pump stations and other related project types.

Education

- B.S., Civil Engineering, California State Polytechnic University Pomona, 2011

Registrations/Certifications

- Professional Civil Engineer, California #C84175, 2015

Relevant Experience

Beaumont WWTP and Brine Pipeline, *Beaumont, CA*. Senior Staff Engineer. Managed fieldwork and paperwork and prepared reports for the project during construction. The project consists of the expansion of the Beaumont Treatment Plant located in Beaumont, California. The proposed expansion consists of 2 aeration/anoxic basins, an equalization basin, headworks, UV disinfection system, a RO system, and a Membrane Bio-Reactor (MBR) Treatment Facility. Site development will include mass grading, building pad preparation, and underground utility installation. In addition, a 14-inch diameter brine pipeline provided in two phases will be constructed using open cut-and-cover and bore-and-jack technique.

Palm Springs Water Treatment Plant Expansion, *Palm Springs, CA*. Senior Staff Engineer. Managed fieldwork and paperwork and prepared reports for the project during construction. The project involved design and construction of two Headworks, Primary Clarifiers, FOG Treatment Facilities, a Cogeneration System Facility, Odor Control Facility and other structures. Both at-grade and below grade reinforced concrete structures founded on spread footings and mat foundations were planned as part of the project.

Moreno Valley WRF, *Moreno Valley, CA*. Senior Staff Engineer. Managed fieldwork and paperwork and prepared reports for the project during construction. The project consisted of the construction of Secondary Clarifiers and Tertiary Treatment (SCATT) Expansion and Preliminary Treatment and Acid-Phase Anaerobic Digestion (APAD) Projects. They involve headworks, secondary clarifiers, secondary and tertiary treatment facilities, power and blower buildings, electrical buildings, and various other associated facilities and improvements.

California Avenue Sewer, *Corona, CA.* P Senior Staff Engineer. Managed fieldwork and paperwork and prepared reports for the project. The project included construction of 9,050 feet of VCP sewer line, 800 feet of two parallel 12-inch HDPE force mains and jack operation with a 27-inch casing.

Riverside & Guasti Sewer Pipeline, *Ontario, CA*. Senior Staff Engineer. Managed fieldwork and paperwork and prepared reports for the construction phase of the project. The project consisted of the construction of sewer pipeline improvements along Riverside Avenue at Bon View Avenue and along Guasti Road at Ponderosa Avenue in the City of Ontario, California.

Gerardo Portea

Lead Technician

Mr. Portea has 24 years of experience providing field and laboratory testing and inspection services for various projects, including water/wastewater treatment plants, sewer pipelines, pump stations and other related project types. As Field Technician, Mr. Portea is responsible for providing field and laboratory testing services for soils, aggregates, and concrete. He is experienced in field density testing of soils with sand cone and nuclear gauge test methods during grading and post grading activities, dealing with unsuitable soils removal, construction of keyways and cut-and-fill slope.

REGISTRATIONS/CERTIFICATIONS

- Nuclear Gauge Certified
- ACI Concrete Field Testing- Grade I
- Caltrans 125- Sampling Highway, Materials & Products
- Caltrans 231- Relative Compaction, Soils & Aggregates (Nuclear)
- Caltrans 504- Air Content, Freshly Mixed Concrete, Pressure
- Caltrans 518- Density of Fresh Concrete
- Caltrans 533 – Ball Penetration in Fresh Portland Cement Concrete
- Caltrans 539- Sampling Freshly Fixed Concrete
- Caltrans 540- PCC Cylinder Fabrication Caltrans
- Caltrans 543 - Air Content of Freshly Mixed Concrete
- Caltrans 556- Slump of Fresh Portland Cement Concrete
- Caltrans 557- Temperature of Freshly Mixed Portland Cement Concrete

Relevant Experience

Beaumont WWTP and Brine Pipeline, *Beaumont, CA*. Field Technician. Performed observation, concrete inspection and field density testing during the construction phase of the project. The project consists of the expansion of the Beaumont Treatment Plant located in Beaumont, California. The proposed expansion consists of 2 aeration/anoxic basins, an equalization basin, headworks, UV disinfection system, a RO system, and a Membrane Bio-Reactor (MBR) Treatment Facility. Site development will include mass grading, building pad preparation, and underground utility installation. In addition, a 14-inch diameter brine pipeline provided in two phases will be constructed using open cut-and-cover and bore-and-jack technique.

Palm Springs Water Treatment Plant Expansion, *Palm Springs, CA*. Field Technician. Performed observation, concrete inspection and field density testing during the construction phase of the project. The project involved design and construction of two Headworks, Primary Clarifiers, FOG Treatment Facilities, a Cogeneration System Facility, Odor Control Facility and other structures. Both at-grade and below grade reinforced concrete structures founded on spread footings and mat foundations were planned as part of the project.

California Avenue Sewer, *Corona, CA.* P Field Technician. Performed observation, concrete inspection and field density testing during the construction phase of the project. The project included construction of 9,050 feet of VCP sewer line, 800 feet of two parallel 12-inch HDPE force mains and jack operation with a 27-inch casing.

Riverside & Guasti Sewer Pipeline, *Ontario, CA*. Field Technician. Performed observation, concrete inspection and field density testing during the construction phase of the project. The project consisted of the construction of sewer pipeline improvements along Riverside Avenue at Bon View Avenue and along Guasti Road at Ponderosa Avenue in the City of Ontario, California.

San Jacinto Valley RWRF Pipeline, *San Jacinto, CA*. Field Technician. Field Technician. Performed observation and field density testing for the project. The 36-inch diameter, 3,100 linear foot long pipeline was designed to carry recycled water from the tertiary treatment plant, which is located at 700 North Sanderson Avenue, San Jacinto, California, to the storage pond. The pipeline runs along the northern half of Odel Street, and traverses right along the northern boundary of the treatment plant.

Franklin Tsai

Lead Inspector

Mr. Tsai has 20 years of experience in the construction industry performing welding inspections. He is a certified American Welding Society, International Code Council, Ultrasonic Testing and Magnetic Particle Testing inspector and has worked on a wide range of both private and public projects.

EDUCATION

- Hellier Pacific, Certificate of Complete in Training: Level I/II: UT, MT, PT, RT, and ET, Anaheim, CA
- Northrop Rice Institute of Technology, Inglewood, CA
- Airframe and Power Plant Technician

REGISTRATIONS/CERTIFICATIONS

- AWS Certified Welding Inspector
- ICC Certified Structural Steel and Welding Inspector
- Ultrasonic Testing Level II Certified Inspector
- Magnetic Particle Testing Level II Certified Inspector

Relevant Experience

San Gabriel Water Treatment Plant, *Glendora, CA.* Certified Welding Inspector. Provided welding inspection during construction. The site was occupied by a reservoir, three buildings, utility facilities, and paved areas. The proposed project consisted of the demolition of an existing 185,000-gallon reservoir and maintenance building, and the new construction of a one-million-gallon pre-stressed tank, 3,000 SF pump station and chlorine building, and 3,200 SF storage building. In order to accommodate the specialized tank construction equipment, the excavation for the proposed partially buried reservoir extended 10 feet outside the perimeter for a total excavation diameter of 108 feet.

Canyon Lake Water Treatment Plant Clarifier, *Lake Elsinore, CA*. Special Inspector. Performed welding and steel inspection during the construction phase. The project site was located at the Canyon Lake Water Treatment Plant in the City of Lake Elsinore, California. The project involved the complete cleaning and repainting of the steel surfaces of the clarifier with containment. Repair of grout at support beam bases, welding of diagonal bracing rod pins and replacement of steel pipe sections at the drum center.

Orange County Sanitation District Groundwater Replenishment System, *Fountain Valley, CA*. Inspector. Provided ultrasonic and magnetic particle and steel inspection during construction. The project consisted of modifying the OCWD Groundwater Replenishment System from 70 MGD to 100 MGD. The project involved the Advanced Water Treatment Facility (AWPF) expansion, and the Secondary Effluent Flow Equalization project. The expansion required the construction of a several new structures, including two 7.5 MG above-ground steel storage tanks, 1,000 linear feet of 54-inch diameter pipeline, 200 linear feet of 54-inch diameter pipeline, a UV facility for installation of two new UV trains, a decarbonation tower, a lime saturator, and other modifications.

Orange County Sanitation District P2-105 Digester Ferric Chloride System Rehabilitation, Huntington Beach*, CA*. Inspector. Performed steel inspection during the construction phase. The project included the replacement of the digester ferric chloride station and associated pipelines and upgrades to the instrumentation and control systems that were currently operating.

Orange County Sanitation District P1-100 Sludge Digester Rehabilitation, Fountain Valley*, CA*. Inspector. Performed welding and steel inspection during the construction phase. The project involved the rehabilitation of 12 digesters at the OCSD Plant 1. The project was intended to repair and replace aging equipment, such as pumps, sludge grinders, heat exchangers, and piping, thus making the facilities more efficient for increased solid waste handling. It also includes 1,500 s.f. expansion of the Power Building No. 5.

Sergio Perez

Lead Inspector

Mr. Perez has 18 years of experience as a field technician performing laboratory testing of soils, aggregate and asphalt including in accordance with ASTM Standards. His duties include applying state standardized testing procedures to freshly mixed concrete such as slump cone testing, air content testing, and concrete unit weight. He is also responsible for material testing lab to determine soil moisture/density relationship, gradation, and expansion; marshal compaction, extraction and gradation to determine asphalt maximum density; and compression testing and sulfur capping to determine the PSI of concrete batches.

EDUCATION

- BS, Finance, Real Estate, & Law, California Polytechnic State University of Pomona, 2006

REGISTRATIONS/CERTIFICATIONS

- Nuclear Gauge Certified
- ACI Grade I Field Technician
- ICC Reinforced Concrete Inspector
- ICC Masonry Inspector
- ICC Spray-Applied Fireproofing

Relevant Experience

San Gabriel Water Treatment Plant, *Glendora, CA.* Field Technician. Provided density testing and concrete inspection services. The site was occupied by a reservoir, three buildings, utility facilities, and paved areas. The proposed project consisted of the demolition of an existing 185,000-gallon reservoir and maintenance building, and the new construction of a 1.0 MG pre-stressed tank, 3,000 SF pump station and chlorine building, 3,200 SF storage building and pipeline. In order to accommodate the specialized tank construction equipment, the excavation for the proposed partially buried reservoir extended 10 feet outside the perimeter for a total excavation diameter of 108 feet.

OCWD Groundwater Replenishment System, *Fountain Valley, CA*. Field Technician. Provided density testing and inspection services. The project consisted of modifying the Orange County Water District Groundwater Replenishment System from 70 MGD to 100 MGD. The expansion required the construction of a several new structures, including two 7.5 MG above-ground steel storage tanks, 1,000 linear feet of 54-inch diameter pipeline, 200 linear feet of 54-inch diameter pipeline, a UV facility for installation of two new UV trains, a decarbonation tower, a lime saturator, and other modifications and upgrades.

Azusa Filtration Plant, *Azusa, CA.* Field Technician. Performed soil inspection and testing for the construction and renovation of the existing membrane treatment plant. The project included the construction of a new membrane building, membrane feed pump station, pretreatment basin, yard pipeline, 4 MG water storage reservoir and a new 18 inch, 3,500 feet long pipeline.

Sewer Pipeline Replacement Phase IV, *Pomona, CA.* Field Technician. Provided soils testing and inspection during construction. The project consisted of the removal and replacement of 590 feet of replacement VCP sewer pipelines at specific locations (Point Repairs) and the removal and replacement of 4,446 of VCP sewer, pipeline from Manhole to Manhole (Facility Replacement), including all manhole connections, reconnection of existing sewer laterals and the replacement and rehabilitation of existing pavements.

Pump Station #30 Upgrade, *Palos Verdes, CA.* Field Technician. Provided soils testing and inspection during construction. The California Water Service Company (CWSC), Palos Verdes District was upgrading Pump Station No. 30 located in Palos Verde, California. Converse provided aggregate base compaction and concrete testing services to upgrade the pump station.

Brandon Williams

Inspector

Mr. Williams is a certified inspector assuring the highest quality of inspection from conception to completion. Mr. Williams has over 21 years of inspection experience on public and private projects. He is ICC certified in reinforced and pre-stressed concrete, structural steel and welding, and fireproofing and has experience supervising and performing tests for public and private project types.

EDUCATION

- Hellier Pacific, Certificate of Complete in Training: Level I/II: UT, MT, PT, RT, and ET, Anaheim, CA
- Northrop Rice Institute of Technology, Inglewood, CA
- Airframe and Power Plant Technician

REGISTRATIONS/CERTIFICATIONS

- AWS Certified Welding Inspector
- ICC Certified Structural Steel and Welding Inspector
- Ultrasonic Testing Level II Certified Inspector
- Magnetic Particle Testing Level II Certified Inspector

Relevant Experience

Palm Springs Wastewater Treatment Plant Expansion, *Palm Springs, CA.* Special Inspector. Performed structural welding inspection, structural bolting inspection and testing, reinforced concrete inspection and reinforced masonry inspection. The project involved design and construction of two Headworks, Primary Clarifiers, FOG Treatment Facilities, a Cogeneration System Facility, Odor Control Facility and other structures. Both at-grade and below grade reinforced concrete structures founded on spread footings and mat foundations were planned as part of the project.

Moreno Valley WRF, *Moreno Valley, CA*. Special Inspector. Performed structural welding inspection, structural bolting inspection and testing, reinforced concrete inspection and reinforced masonry inspection. The project consisted of the construction of Secondary Clarifiers and Tertiary Treatment (SCATT) Expansion and Preliminary Treatment and Acid-Phase Anaerobic Digestion (APAD) Projects. They involve headworks, secondary clarifiers, secondary and tertiary treatment facilities, power and blower buildings, electrical buildings, and various other associated facilities and improvements.

Lloyd W. Michael Water Treatment Plant, *Rancho Cucamonga, CA*. Special Inspector. Performed structural welding inspection, structural bolting inspection and testing, reinforced concrete inspection and reinforced masonry inspection. The project consisted of enhancements and modifications to the Lloyd W. Michael WTP located at the southeast corner of Wilson Avenue and Etiwanda Avenue in Rancho Cucamonga, California. The expansion consisted of construction of a canyon water pipeline: 20 or 24-inch diameter, 350 linear feet across Metropolitan's 96" diameter Rialto Feeder, 33,500 square feet of pre-fabricated metal building on top of existing basin, a 200' x 60' filter building, two (2) 6 to 8 Mg pre-stressed concrete tanks, 66" on site pipeline at 1,500 to 2,000 linear feet and sludge lagoon relocation.

Mojave Water Agency Headquarters, *Apple Valley, CA.* Special Inspector: Performed structural welding inspection, structural bolting inspection and testing, reinforced concrete inspection and reinforced masonry inspection. The project consisted of the construction of 6.36-acre development, which includes the construction of 2 new buildings plus a locker room. The Office/Administration Building is a +/- 22,000 s.f. single story building, the Warehouse Building is a +/- 5,500 s.f. building and the Locker Room is a +/- 1,200 s.f. extension to the Warehouse Building. This project also includes utilities, hardscape, landscape development, and other on and off-site improvements. The buildings are a combination of structural steel, masonry, wood and metal framing and concrete "tilt up". The off-site improvements include storm drainage, utilities, and street improvements.


Fallbrook Wastewater Treatment Plant

D. PROPOSED PROJECT SCHEDULE

We understand that the anticipated construction start date is March 27, 2023, with construction to be completed within 3 years. Our schedule is dictated by the construction schedule established by the District and the selected contractor. Converse will have staff available for the duration of the project.

E. PROPOSED COSTS

In general, our fees are based on the following assumptions. Our proposed cost/schedule of fees is provided on the following pages. Per the RFP, it is understood the hourly rate will change annually with the wage determination issued by the State Department of Industrial Relations.

- Access to project construction area will be provided at no cost to Converse.
- An 8-hour day at the site. Overtime will be charged at 1.5 times the regular hourly rate.
- There will be a two-hour minimum charge in case of work cancellation after our field personnel has been dispatched. 4-hour minimum days for workers providing services.
- A minimum of 4 hours will be charged for a site visit of less than 4 hours.
- It is understood by both contracting parties that all field work will be subject to prevailing wage as defined in Labor Code Sections 1770-1780 and as the prevailing wage rates adjust our rates will also adjust accordingly.
- Converse is registered the California Department of Industrial Relations (DIR) No. 1000001465.
- Additional inspections and laboratory testing outside the agreed-upon scope of work can be provided upon request. Charges for these additional services will be based on our attached *Schedule of Fees.*
- No services will be provided prior to fully executed agreement. No additional work required will be provided without written authorization and a budget amendment from your authorized representative.
- Our field representative will not direct, supervise or lay out the work of the contractor. Our services will not include a review or evaluation of the contractor's safety measures on or near the project.
- Any meetings/consultation(s) requested by the client will be charged per Personnel Rates.
- Testing services outlined in this proposal will be performed per your authorized representative.
- If services are provided on as-needed basis, no comments regarding compaction procedures or observations will be made. Daily field reports indicating work performed and test locations will be provided as the testing is completed.
- We require 24 hours advance notice for our services. We will, however, make every attempt to accommodate requests on shorter notice.

CONVERSE CONSULTANTS
Prevailing Wage Schedule of Fees
Personnel

Introduction
It is the objective of Converse Consultants to provide its clients with quality professional and technical services and a continuing source of professional advice and opinions. Services will be performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. This fee schedule is valid through December 31, 2023.

Hourly Charges for Personnel
Staff assignments will depend on personnel availability, job complexity, project site location, and experience level required to satisfy the technical requirements of the project and to meet the prevailing standard of professional care.

Field Technical Services (hourly rate including vehicle and equipment)

Construction Inspector – ACI/ICC and/or AWS/CWI certified (concrete, post-tension, masonry, structural steel, fireproofing; includes concrete batch plant and local steel fabrication inspections)	$135
DSA Masonry Inspector	135
Non-Destructive Testing Inspector (ultrasonic, magnetic particle, dye penetrant, skidmore, pull testing, torque testing, Schmidt hammer, and pachometer)	140
Coring Technician	135
Soils Technician (soil, base, asphalt concrete, and moisture emission testing)	135
Sample Pick-Up	50

Professional Services (consultation for field and office, if requested)

Staff Professional	$130
Senior Staff Professional	140
Project Professional	150
Project Manager	170
Senior Professional	170
Principal Professional	220
Principal Consultant	235

Laboratory Testing

Laboratory Technician (see Geotechnical Laboratory Testing and Materials Testing Services fee schedules.)	Per Test
Laboratory Supervisor	$90

Office Support

Clerical/Word Processing	$80
Drafting	80
CAD Operator/Drafting Manager	90

Overtime and special shift rates for Field Services personnel are determined in accordance with Prevailing Wage law. Travel time to and from the job site will be charged at the hourly rates for the appropriate personnel.

Expenses
1. Exploration expenses (drilling, trenching, etc.) are charged at cost plus fifteen percent.
2. Travel and subsistence expenses (transportation, room and board, etc.) for individuals on projects requiring travel and/or living 50 miles away from the project site are charged at cost plus fifteen percent.
3. Automobile and truck expenses are charged at cost plus fifteen percent (rentals) or at the current IRS milage rate per mile for company-owned vehicles traveling between principal office and project.
4. Other out-of-pocket direct project expenses (aerial photos, long-distance telephone calls, permits, bonds, outside printing services, tests, etc.) are charged at cost plus fifteen percent.

Invoices
1. Invoices will be submitted to the Client on a monthly basis, and a final bill will be submitted upon completion of services.
2. Payment is due upon presentation of invoice and is past-due thirty days from invoice date. In the event Client fails to make any payment to Converse when due, Converse may immediately cease work hereunder until said payment, together with a service charge at the rate of eighteen percent per annum (but not exceeding the maximum allowed by law) from the due date, has been received. Further, Converse may at its sole option and discretion refuse to perform any further work irrespective of payment from Client in the event Client fails to pay Converse for services when said payments are due.
3. Client shall pay attorneys' fees or other costs incurred in collecting any delinquent amount.

General Conditions
The terms and provisions of the Converse General Conditions are incorporated into this fee schedule as though set forth in full. If a copy of the General Conditions does not accompany this fee schedule, Client should request a copy from this office.

CONVERSE CONSULTANTS
Schedule of Fees – Geotechnical Laboratory Testing

Compensation for laboratory testing services will be made in accordance with this fee schedule which includes test report(s) and engineering time. Costs of tests not on this schedule will be by quote and/or in accordance with our current hourly fee schedule. The rates are based on non-contaminated soil. A surcharge will be charged for handling contaminated material, which will be determined based on the project.

IDENTIFICATION AND INDEX PROPERTIES TESTS

Visual Classification, ASTM D2488	20.00
Engineering Classification, ASTM D2487	25.00
Moisture Content and Dry (bulk) Density, ASTM D2216 and D2937	25.00
Moisture Content, ASTM D2216	20.00
Shrinkage Limit, ASTM D4943	85.00
Atterberg Limits, ASTM D4318	
Several points	150.00
One Point	50.00
Particle Size Analysis, ASTM D6913	
Fine Sieve, from +#200 to #4	100.00
Coarse and Fine Sieve, from #200 to 3 in	180.00
Hydrometer	120.00
Percent Passing #200 Sieve, ASTM D1140	80.00
Specific Gravity	
Fine, passing #4 sieve, ASTM D854	100.00
Coarse, retained on #4 sieve, ASTM C127	100.00
Sand Equivalent Test, ASTM D2419	120.00
Double Hydrometer Dispersion, ASTM D4221	150.00

COMPACTION AND BEARING STRENGTH

Standard Proctor Compaction, ASTM D698 or ASTM D1557	
Method A or B	200.00
Method C, 6" mold	210.00
California Impact Method, Caltrans 216	220.00
R-value, ASTM D2844 and CTM301	270.00
California Bearing Ratio (CBR), ASTM D1883	
1 Point	530.00
3 Points	750.00
Relative Density	
0.1 Cubic Foot Mold	200.00
0.5 Cubic Foot Mold	300.00

SHEAR STRENGTH

Torvane/Pocket Penetrometer	25.00
Direct Shear	
Quick Test	75.00
Consolidated, Drained, granular soil, ASTM D3080	220.00
Consolidated, Drained, fine grained soil, ASTM D3080	260.00
Consolidated, Undrained, fine grained soil	220.00
Residual Strength, per cycle	70.00
Remolded Specimens	70.00

STATIC UNIAXIAL AND TRIAXIAL STRENGTH TESTS (PER POINT)

Unconfined Compression, ASTM D2166	150.00
Unconsolidated, Undrained, ASTM D2850	160.00
Consolidated, Undrained, per point	700.00
Consolidated, Drained, per point	700.00
With Pore Pressure Measurement, per load	150.00
Remolded Specimen	90.00

CONSOLIDATION (ASTM2435) AND SWELL COLLAPSE (ASTM D4546) TESTS

8 Load Increments	250.00
Additional Load Increment	50.00
Time-Ratio, per load increment	90.00
Single Point, collapse test	90.00
Single Load Swell, ASTM D4546	
Ring Sample, Field Moisture	95.00
Ring Sample, Air Dried	95.00
Remolded Sample	70.00
Expansion Index Test, UBC 29-2/ASTM D4829	130.00

HYDRAULIC CONDUCTIVITY TESTS

Constant Head, ASTM D2434	250.00
Falling Head Flexible Wall, ASTM D5084	300.00
Triaxial Permeability, EPA 9100	350.00
Remolded Specimen	60.00

CHEMICAL TESTS

Corrosivity (pH, resistivity, sulfates, chlorides)	220.00
Organic Content, ASTM D2974	100.00

Conditions: Unit rates presented on this fee schedule are for routinely performed geotechnical laboratory tests. Numerous other earth material physical tests can be performed in our geotechnical laboratories, including rock core, soil cement and soil lime mixture tests. Tests not listed can be quoted upon request. This fee schedule is valid through December 31, 2023.

Prices are based on the assumption that samples are uncontaminated and do not contain heavy metals, acids, carcinogens and/or volatile organics which can be measured by an organic vapor analyzer or photoionization detector with a concentration greater than 50 parts-per-million (ppm). Quoted testing fees are based on the assumption that no protective clothing will be required to handle samples. If Level D protective clothing will be required during handling of samples (as defined in Federal CFR Part 1910.120), then a 40% increase in fees presented in this schedule will be applied. Level C protective clothing will be a 60% increase in fees. Converse will not handle samples that require either Level B or Level A protection in our geotechnical laboratories. Contaminated samples will be returned to the client. Uncontaminated samples will be disposed of 30 days after presentation of test results. The client must disclose the source of samples. Samples imported from out of state will be incinerated after testing in accordance with requirements of the United States Department of Agriculture. Soil samples obtained within the State of California currently designated quarantine areas will also be incinerated in accordance with the requirement of the State of California, Department of Food and Agriculture, Division of Plant Industry, Pest Exclusion. A $5.00 incineration fee will be added to each sample that is required to be incinerated in accordance with State and Federal law.

Test results requiring plots will be presented in a publishable format generated from computer programs. Otherwise, raw test numbers will be presented. A minimum laboratory fee of $50.00 will be charged to present and mail test results. Beyond the standard U.S. Mail delivery, specialized transmittal will be charged at additional cost (e.g., Federal Express, UPS, etc.). Geotechnical testing does not include engineering and/or geologic review and analysis. Typical turnaround for geotechnical laboratory testing is two weeks (or roughly ten working days). To expedite test turnaround to five working days, a 50% increase in the fees in this schedule will be applied. Many geotechnical tests require at least one week to perform in accordance with ASTM or other standard specifications. Fees presented in this schedule for relatively undisturbed direct shear, consolidation or expansion pressure tests are based on the assumption that 2.416-inch inside diameter brass ring samples will be provided to the geotechnical laboratory for testing. Remolded specimens will be compacted in standard 2.5-inch outside diameter brass rings for direct shear, consolidation and expansion pressure tests. All fees presented in this schedule are based on the assumption that the client will deliver samples to our laboratory at no additional cost to Converse.

Invoices will be issued monthly and are payable on receipt unless otherwise agreed upon. Interest of 1.5% per month (but not exceeding the maximum allowed by law) will be payable on any amount not paid within thirty days; payment thereafter to be applied first to accrued interest and then to the principle unpaid amount. The Client shall pay any attorneys' fees or other costs incurred in collecting any delinquent amounts.

CONVERSE CONSULTANTS
Schedule of Fees – Materials Laboratory Testing

Compensation for laboratory testing services will be based on rates in accordance with this fee schedule which includes test report(s) and engineering time. Costs of tests not on this schedule will be by quote and/or in accordance with our current hourly fee schedule. Our services will be performed in accordance with the General Conditions. This fee schedule is valid through December 31, 2023.

AGGREGATES
Moisture Content, ASTM D2216 ..... 20.00
Particle Size Analysis
- Coarse, ASTM C136, each 100.00
- Coarse and Fine, ASTM C136 & C137), each 180.00

Specific Gravity & Absorption
- Coarse Aggregate, ASTM C127 ..... 100.00
- Fine Aggregate, ASTM C128 ..... 100.00
- Unit Weight per Cubic Foot, ASTM C29 ..... 75.00
- Soundness, Sodium or Magnesium, ASTM C88, each 200.00
- Potential Alkali Reactivity, ASTM D289 ..... 300.00
- Freeze Thaw Soundness 175.00
- Los Angeles Abrasion, per class, ASTM C131, C535 ..... 220.00
- Sand Equivalent, ASTM D2419 ..... 110.00
- Lightweight Particles, ASTM C123, each 100.00
- Clay Lumps & Friable Particles, ASTM C142, each 120.00
- Stripping Test, ASTM D1664, each 85.00
- Organic Impurities, ASTM C40 ..... 100.00
- Durability ..... By Quote

CONCRETE TESTS
Laboratory Trial Batch, ASTM C192 ..... By Quote
Laboratory Mix Design, Historical Data ..... By Quote
Compression Test, 6"x12" Cylinder, ASTM C39, each 45.00
Lightweight Concrete
- Compression 45.00
- Unit Weight 45.00

Specimen Preparation, Trimming or Coring, each 60.00
Bond Strength, ASTM C321
- Prepared by Converse 150.00
- Prepared by Others 80.00

Core Compression Test, ASTM C12, each 80.00
Flexure Test, 6"x6" Beams, ASTM C78, each 110.00
Modulus of Elasticity, Static, ASTM C469, each 150.00
Length Change, ASTM C157, 3 bars, 5 readings each, up to 26 days 320.00
Splitting Tensile, 6"x12" Cylinders, each 80.00
Field Concrete Control (sampling, slump, temperature, cast 4 cylinders, molds, cylinder pick-up, within 10 miles of office, stand-by extra), ASTM/UBC, hourly rate schedule, or each cylinder 95.00
Field Concrete Control (same as above plus air content test), ASTM/UBC, each cylinder 95.00
Hold Cylinder 10.00
Cylinder Mold, sent to job site but not cast by Converse or returned to Converse 5.00

MASONRY (ASTM C140, E447, UBC STANDARD 24-22)
Moisture Content, as received, each 20.00
Absorption, each 50.00
Compression, each 55.00
Shrinkage, ASTM C426, each 100.00
Net Area and Volume, each 25.00
Masonry Blocks, per set of 9 ..... 450.00
Masonry Core Compression, each 55.00
Masonry Core Shear, each 55.00
Masonry Core Trimming, each 55.00
Compression Test, grouted prisms, 8"x8"x16", each 120.00
Compression Test, grouted prisms, 12"x16"x16", each 130.00
Compression Test
- 2"x4" Mortar Cylinder, each 45.00
- 3"x6" Grout Prisms, each 45.00
- 2" Cubes, ASTM C109, each 45.00

Cast by Others 45.00
Mortar or Grout Mix Designs ..... By Quote

FIREPROOFING TESTS
Oven Dry Density, per sample 70.00

MOISTURE EMISSION TEST
Moisture Emission Test Kit 80.00

ASPHALTIC CONCRETE
Stability, Flow, and Unit Weight, ASTM D6927 ..... 220.00
Marshall ASTM D1559, ASTM D2726 ..... 220.00
Measured Maximum Specific Gravity of Mix, ASTM D2041, Rice Method, each 95.00
Void Analysis of Cores or Marshall Specimens, Calculations Only, ASTM D3203, set of 2 or 3 ..... 60.00
Laboratory Mixing of Asphalt & Concrete, per sample 75.00
Complete Asphalt Concrete Mix Design
- Hveem or Marshall ..... By Quote

Extraction of Asphalt and Gradation, ASTM D2172, Method B, or California 310, including ash correction, each 220.00
Extraction of Rubberized Asphalt & Gradation, each 250.00
Specific Gravity, ASTM D2726 or ASTM D1188
- Uncoated 95.00
- Coated 105.00

Immersion-Compression 400.00
Particle Coating, ASTM D2489 ..... 60.00
Stripping, ASTM D1664 ..... 70.00
Moisture or Volatile Distillates in Paving Mixtures, or Materials Containing Petroleum Products or By-Products 220.00
Retained Strength, ASTM D1074/D1075, 6 specimens ..... By Quote
Retained Stability, Mil, Std, 520A, Method 104, 6 specimens ..... By Quote
CBR, ASTM D1883, including M/D Curve, 1 point 350.00
Asphalt Temperature 15.00

STRUCTURAL STEEL
Tensile Test #9 Bar or Smaller, each 60.00
Bend Test #9 Bar or Smaller, each 60.00
Tensile Test #10 Bar or Greater, each 280.00
Tensile Test #14 Bar, each 310.00
Rebar Coupler Tensile Test 100.00
Tensile Test, Welded #9 Bar or Smaller, each 100.00
Tensile Test, Welded #10 Bar or Greater, each 280.00
Tensile Test, Welded #14 Bar, each 310.00
Tensile Test, Mechanically Spliced, #9 Bar or Smaller, each 180.00
Tensile Test, Mechanically Spliced, #10 Bar or Greater, each 350.00

HIGH STRENGTH BOLT, NUT, AND WASHER TESTING
Wedge Tensile Test, A490 Bolts
- Under 100,000 lbs., each 65.00
- Over 100,000 lbs., each 75.00

Wedge Tensile Test, A325 Bolts
- Under 100,000 lbs., each 80.00

Tensile Test, Anchor Bolts, tested with displacement transducers, each 300.00
Nut Hardness, Proof & Cone Proof Load Test, each 50.00
Washer Hardness, each 50.00
A325 or A490, Bolt Hardness Only, each 50.00
Bolt A325 or A490 Wedge Tensile
- Under 100,000 lbs. & Hardness, each 90.00
- Over 100,000 lbs. & Hardness, each 150.00

Bolt, Nut & Washer, all tests per set with bolts
- Under 100,000 lbs. 300.00
- Over 100,000 lbs. 380.00

See *Schedule of Fees – Geotechnical Laboratory Testing* for soil testing. Hourly rates are available upon request. Field Laboratory rates are available upon request. Listed unit rates are based upon the assumption that samples will be delivered to our laboratory at no cost to Converse.

Orange County
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831
www.aescotech.com

LETTER OF TRANSMITTAL

TO: Valley Sanitary District
45-500 Van Buren Street
Indio, CA 92201

DATE: November 3, 2022

ATTENTION: Mr. Ron Buchwald

PROJECT: **Response to RFP-Recycled Water Project-Phase 1- Testing and Special Inspection Services AESCO Proposal No. P7287**

ENCLOSING: ☐ For Your Review ☒ For Your Request

Via: ☐ FedEx ☐ GSO ☒ Messenger ☐ U.S. Mail ☐ Other

DESCRIPTION:
- 5 copies of **Response to RFP-Recycled Water Project-Phase 1**
- 1 pdf flash drive **Response to RFP-Recycled Water Project-Phase 1**

REMARKS:
- If you have any questions or comments, please call.
- Please notify us if enclosures listed are not received.

Very truly yours,
AESCO

By: Debra Perez
Debra Perez
Project Manager

Orange County
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831

Response to RFP-Recycled Water Project-Phase 1-
Testing and Special Inspection Services
AESCO Proposal No. P7287

VALLEY SANITARY DISTRICT
VSD
INDIO, CALIFORNIA
Giving Water Another Chance

Valley Sanitary District
45-500 Van Buren Street
Indio, CA 92201

Attention: Mr. Ron Buchwald, Engineering Services Manager

AESCO
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831

November 3, 2022

Orange County
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831

November 3, 2022

Mr. Ron Buchwald
Valley Sanitary District
45-500 Van Buren Street
Indio, CA 92201

Subject: Response to RFP-Recycled Water Project-Phase 1-
Testing and Special Inspection Services
AESCO Proposal No. P7287

Dear Mr. Ron Buchwald:

AESCO is pleased to present this Statement of Qualifications to provide the Valley Sanitary District our proposal for the Testing and Special Inspection Services for the Recycled Water Project-Phase 1. We understand that the project consists of several plant upgrades, referred to as Energy Conservation Measures (ECMs). The ECM's include a new multi-rake mechanical bar screen, a new vortex grit chamber, two (2) rotary screw thickener units, an additional anaerobic digester (No. 1) west of Digester No. 2 and installation of a second flare and associated structures, a replacement SWBD-MS, and return subnatant and dewatering filtrate to the plant's upstream liquid treatment processes for reprocessing which includes an 8-inch gravity pipe to convey subnatant flow to the primary effluent channel and a new Drain Pump Station 3 (PS3) with a 12-inch discharge pipe.

We understand that the Engineer of Record is Stantec and AESCO has worked with Stantec on multiple projects including the Orangethorpe and Tustin Avenues Railroad Grade Separation project.

Founded in 1993, AESCO, a small, woman-owned business enterprise with 35 employees, has provided **Materials Testing and Special Inspection Services** as well as Geotechnical and Environmental Engineering services on both small and large municipal capital improvement and commercial projects in Los Angeles, San Bernardino, Riverside, and Orange Counties. **AESCO has held, or is currently holding, the on-call contract for construction materials testing and inspection services and for geotechnical and environmental engineering for the Cities of Huntington Beach, Santa Ana, Villa Park, Buena Park, Irvine, Lynwood, Lakewood, Riverside, the County of Orange, the Orange County Transportation Authority, the Los Angeles Unified School District** as well as other cities and agencies. We believe that our extensive experience with various water projects brings a unique blend of expertise, knowledge and experience.

AESCO is **SBE, DBE, WBE**, and **CBE** certified. AESCO's DIR number is 100011569.

PERSONNEL

Mr. Adam Chamaa, PE, GE will be the project manager and point of contact to provide the project deliverables to the District. He can be reached at 714-375-3830 (o) or 714-270-0090 (c) and he is located at our Huntington Beach office located at 17782 Georgetown Lane, Huntington Beach, CA 92647. Resumes are included within **Appendix A**.

SCOPE OF WORK

The Scope of Work consists of performing all necessary materials testing and special inspection required to complete the project. AESCO has reviewed the technical specifications and drawings for this project. The Scope of Work will include a review of all pertinent data and code requirements, attend meetings and conference calls, perform special inspections including concrete, soils, structural steel, post-installed anchors, and asphalt. Daily reports with inspection and testing details will be provided.

AESCO'S LABORATORY

AESCO's laboratory has been approved or certified by the Division of State Architect (DSA), California Department of Transportation (Caltrans) under certification #1002, by the City of Los Angeles under certification #10191, by the CCRL, and by the AMRL. AESCO is also a current member of the Independent Assurance Program with Caltrans, CCRL, and AMRL.

ADDITIONS OR EXCEPTIONS TO THE COUNTY'S REQUEST FOR PROPOSAL

AESCO has reviewed the Professional Services Agreements and is willing to execute the agreement as drafted.

PROPOSED COSTS

The proposed costs for the project are provided in **Appendix B**.

If you need further assistance regarding this matter, please give feel free to call either myself or Ms. Debra Perez. We look forward to hearing from you.

Very truly yours,
AESCO, Inc.

Adam Chamaa, MSCE, P.E., G.E.
Engineering Manager

Debra Perez
Project Manager

Statement of Qualifications

Table of Contents

Section A
Approach / Methodology

AESCO is committed to our ability and availability to perform the services outlined in the Scope of Work to the District. AESCO maintains a 24-hour answering service that is maintained by a registered professional engineer. AESCO has the capability to respond immediately to any requests by the City. **AESCO is located approximately 125 miles from the City of Indio but we do not anticipate that any work will take place at the VSP offices.**

Every project has its own unique scheduling and construction challenges; therefore, AESCO's methodology is intended to be flexible and allows input from the Owner to guarantee smooth completion of the project. AESCO's team is comprised of some of the most experienced professionals in the industry. The overall project team is always available for discussions regarding the project in order to craft solutions. Each inspector has multiple licenses that allow them to perform various inspection duties simultaneously, thus creating an efficient budget for the Owner. AESCO will provide qualified soil technicians and deputy inspectors with extensive public facility, utility and soils and site grading experience. AESCO's method of operation is the following:

- Prior to the start of any project AESCO will become familiar with the contract documents, project plans, technical specification, etc. and existing site(s) and conditions, and other pertinent project documents and meet with the DISTRICT to review staffing, project needs, coordinate inspections and testing, and will also attend the pre-construction meeting(s) if requested.
- AESCO provides a 24-hour live answering service and one of our Project Engineers is always available to answer any technical or scheduling issues. Technicians shall be available upon 24-hour notice, or less, and for occasional night work.
- AESCO digitally controls all assigned tasks to our technicians and each unit of service is closely watched by our project manager. AESCO does not exceed the assigned budget for its services prior to authorization by the DISTRICT.
- The inspector (or inspectors) then arrives at the site to perform the required testing and inspections. The technician will arrive at the site with the correct equipment, calibrated to existing standards with documentation. Equipment calibration shall be performed prior to the start of work and costs are included in the total hourly rate for field services. All samples will be transported from the project site to the laboratory for testing as required.
- All breaks and other laboratory testing are scheduled through our electronic dispatch system where notification is automatically issued to the laboratory manager to perform specific tests, such as: breaks of concrete cylinders at a schedule of 7, 14 and 28-day

breaks; beam, masonry, prism breaks; aggregate testing; etc.

- Daily field reports and test results are created digitally in a standard report format and emailed within 24 hours of completion of the test or inspection to the DISTRICT. Field testing/compaction results of subgrade or asphalt concrete shall be communicated to DISTRICT personnel as soon as the tests have been completed, on same day of testing, with hard copy to follow.
- Any test or inspection deficiencies, such as; failing compaction, concrete not reaching the required strength, concrete with high slump, cleanness of rebar, cleanness of footings, etc., will be discussed immediately with the DISTRICT. Our professionals will provide practical solutions to critical issues encountered in the field, considering both cost and technical implications.
- A draft report summarizing test results and raw data will be submitted for review following completion of construction which will summarize all failed and passing tests. The report will include the tests performed, testing dates and test standard used. After written approval, copies of the final certification report of all inspection services performed for specific projects will be completed within 10 working days. All laboratory reports and inspection reports are supervised, reviewed and signed by a California Licensed Professional Engineer/Geotechnical Engineer.
- AESCO will comply with OSHA requirements Safety Standards. On occasion, technicians are required to enter confined spaces to perform work and will have completed confined space training and have proof of training upon arrival to do confined space work.
- All inspectors are required to communicate on a daily basis with our Quality Control Manager who ensures that all work is being performed in accordance with the Quality Control Manual.

AESCO maintains a strict Quality Control Program (QCP). AESCO is a member of, and certified by several independent certification agencies, such as DSA, AMRL, CCRL, Caltrans, the City of Los Angeles, and the City of San Diego. AESCO is also part of the yearly reference sampling program for these agencies. These involvements ensure a rigorous training of AESCO's technicians and test method verifications. Test results and field reports are reviewed by AESCO's project manager and quality control engineer, each of whom has 30 years of experience.

AESCO's commitment to quality assurance extends to field and laboratory staff that is certified in various technical disciplines by multiple agencies such as Caltrans, ACI, NICET, and ICC.

AESCO's accredited materials testing laboratory and collection of resourceful field and laboratory equipment enable our professionals to efficiently determine precise methods for qualifying construction materials.

INNOVATIVE and FLEXIBLE APPROACHES

AESCO has used various approaches to save clients time and money as shown below:

- AESCO can provide immediate response to short notice requests
- AESCO is available to work around the clock, when needed
- AESCO has a Geotechnical Engineer/Project Engineer available at all times to respond to emergency needs
- AESCO can provide a fully equipped concrete mobile laboratory to assist in immediate on-site testing
- An example of our approach is the emergency response AESCO provided to the City of Huntington Beach when a large sinkhole developed in the middle of one of the major thoroughfares; Warner Avenue. AESCO personnel were on-site around the clock to assist in the repair and to devise a dewatering system to be used during construction. The project was completed approximately 20 percent earlier than was anticipated.
- AESCO also provided emergency response to the Alhambra Unified School District when an excavation flooded at night due to broken water line at Garfield Elementary School. AESCO's Geotechnical Engineer was on-site at 7:00 A.M. on a Saturday to assist the District in mitigation of the problem and to stabilize the subgrade.
- As part of AESCO's innovative approach to testing and inspection AESCO monitored the contractor's curing procedures and modified as necessary to protect the concrete from extreme hot and cold weather conditions during the construction of the Whitegate's Reservoirs for the City of Riverside. Daily inspections were required to monitor the concrete temperature and humidity to prevent micro-cracking of the concrete due to shrinkage and expansion.
- AESCO also instructed the contractor to provide heat blankets to maintain the curing temperature of the concrete as concrete placement was performed during cold weather during construction of the Brea-Olinda Landfill Gas-to Energy Facilities for the County of Orange.
- AESCO also provided special soil stabilization and subgrade enhancement recommendations to mitigate the wet, fine soil during construction of Northrup Elementary School in the City of Alhambra. AESCO also evaluated the effects of the existing trees on the

new construction and provided recommendations to mitigate distress due to roots and landscaping.

- AESCO has performed construction materials testing and inspection services on several Federally funded projects including several roadway rehabilitation projects for the Cities of Huntington Beach, Moreno Valley, Corona, Pomona, and many others, as well as several grade separation and freeway widening projects for Caltrans such as the I-405 widening project in Orange County (a $1.9B project), which were all partially state and federally funded.
- Aesco works very closely with agencies to resolve any disputes caused by the contractor due to deficiencies in meeting the project specifications. AESCO may collect additional samples when necessary of construction materials to confirm deficiencies or split samples with another testing agency to confirm test results. AESCO maintains close communication with agencies regarding any deficiencies before discussing results or the issue with the contractor.
- Aesco uploads all reports to an on-line project folder and provides secure access to the agency so that all documents are instantly available to the agency. Access to the folder will only be available to agency identified personnel.
- Aesco maintains an up-to-date task log for all activities on a project. The task log will identify any deficient test results and track the resolution of any deficiency. The task log will be available on-line to only be available to agency identified personnel to track activities such as passing, or failing, test results. The task log will be updated on a daily basis.

Section B
Professional Qualifications and Experience

FIRM OVERVIEW

AESCO has been involved in well over 200 projects involving infrastructure and facilities within Riverside, Orange and Los Angeles Counties. Projects have included lift stations, roadways and roadway improvements, reservoirs, water facilities, flood control channels, parks, bridges, water and sewer installations, new structures, storm drainage systems, telecommunications facilities, airports, and solar panels.

While working on materials testing and special inspection projects, each team member is responsible to a registered Engineer who is available to assist inspection personnel on interpretation of test requirements, plans and specifications interpretation and Building Code matters of compliance. AESCO generates thousands of material testing reports for soils, concrete, steel and other building materials from our Huntington Beach laboratory.

Environmentally Friendly and/or Green Practices

AESCO maintains an automated lighting system in our offices and laboratory to conserve energy as well as use of a smart thermostat system. We also use hybrid vehicles for field work when practical.

PROJECT EXAMPLES

AESCO has provided materials testing and special and inspection services for a wide variety of projects. A partial listing of AESCO's relevant projects are provided below.

Lenain Water Treatment Plant Modifications | City of Anaheim

AESCO performed the geotechnical engineering for the various improvements to upgrade the existing water treatment facility for GHD for the City of Anaheim. The upgrade included a new chemical feed system structure, installation of a new 36-inch diameter pipeline between the Reservoir and the Parkview Pump Station, including foundation design for an elevated portion of the line situated on a steep slope, and widen the delivery truck road. Various new retaining walls were also constructed. Several borings were performed as well as potholing to locate utilities throughout the site. AESCO had to perform extensive slope stability analyses and retaining wall design to determine the optimal design for widening of the roadway. AESCO met several times with the City of Anaheim at the site to determine the boring locations. AESCO also performed the construction materials testing and inspections for the improvements which included: evaluation and testing of backfill for MSE retaining walls; compaction; concrete; grout; fill stockpile evaluation; welding; review and evaluation of retaining wall plans and foundation plans.

Project Highlights:

- Geotechnical Engineering Services for Upgrades to Existing Water Treatment Facility and Roadway
- Slope Stability Analyses
- Retaining Wall Design
- Pavement Recommendations
- Pipeline Installation Recommendations
- Utility Potholing
- Construction Materials Testing and Inspections
- Review of Foundation and Retaining Wall Plans

Start Date: May 2017
Completion Date: 2020
Total Cost: $14M
Client: GHD for the City of Anaheim
Role: Geotechnical Engineering
Key Personnel Involved: Adam Chamaa, P.E., G.E., Russell J. Scharlin, P.E., G. E., Debra Perez, Omar Chamaa, Dave Ryan

Reference

Mr. Joel Jordan, Construction Project Manager | City of Anaheim, Construction Services | 200 South Anaheim Boulevard, Anaheim, CA 92805| Phone: (714) 231-8368 |E-mail: JJordan@anaheim.net

ADMINISTRATION BUILDING, PIER E | Port of Long Beach, CA

AESCO is providing the construction materials testing, lead construction services and selective deputy inspection services for the two-story, steel-framed office building with rooftop terrace as part of the Phase 3, Pier E upgrades. Testing and inspection services include review of existing plans and specifications, the geotechnical report, quality management plan, and attend quality management meetings with contractors, Port of Long Beach and construction managers. Overexcavations and recompaction of backfill over geotechnical fabric were inspected and tested as well as the excavation bottom. Samples were obtained at the site and tested in AESCO's laboratory for maximum density-optimum moisture, gradation and Atterberg Limits.

Project Highlights:

- Construction management for new office building
- Grading inspection
- Footing inspection
- Engineering consultation related to construction issues

Start Date: February 2019
Completion Date: Present
Total Cost: $17 million
Client: IEM for Port of Long Beach
Role: Lead Construction Services including Materials Testing and Inspections
Key Personnel Involved: Adam Chamaa, P.E., G.E., David Ryan, P.E.,

Reference
Behjat Zanjani, P.E., CCM| IEM |
302 West 5th Street, Suite 207, San Pedro, CA 90731 | Phone: (714) 488-3056 |
E-mail: bzanjani@iemcm.com

RELOCATION OF WEST ORANGE COUNTY WATER BOARD FEEDER NO. 2 PROJECT | HUNTINGTON BEACH AND WESTMINSTER, CA

AESCO worked with GHD on the Relocation of WOCWB Feeder No. 2, a waterline relocation project in the City of Westminster. This project was performed under the jurisdiction of the City of Huntington Beach. This project involved providing geotechnical recommendations for the jack and bore portion of the 30-inch diameter pipe installed beneath the 405 Freeway. Recommendations were also provided for the open trench portion of the installation. Shoring, excavation, dewatering methods and general asphalt pavement recommendations were provided. During construction AESCO performed 24-hour settlement monitoring and evaluation; engineering oversight; observed the test pits for groundwater; provided environmental oversight of groundwater testing; grout injection inspections; backfill evaluation; and compaction testing.

Project Highlights:

- Provided recommendations for jack and bore installation
- Provided recommendations for open trench installation
- Provided recommendations for shoring
- Provided recommendations for dewatering
- Provided oversight of environmental testing of groundwater

Start Date: July 2016

Completion Date: February 2019

Total Cost: TBD

Client: GHD

Role: Geotechnical Engineering

Key Personnel Involved: Adam Chamaa, P.E., G.E., Russ Scharlin, P.E., G.E., Debra Perez

References

Ryan Kristensen, PE| GHD |
175 Technology Drive, Suite 200, Irvine, CA 92618 | Phone: (661) 313-5041|
E-mail: Ryan.Kristensen@ghd.com

Andrew Ferrigno, PE, Senior Engineer| City of Huntington Beach |
2000 Main Street, Huntington Beach, CA 92648 | Phone: (714)536-5291|
E-mail: AFerrigno@surfcity-hb.org

BEACH BOULEVARD WATER MAIN EXTENSION GOTECHNICAL and ENVIRONMENTAL ENGINEERING, CONSTRUCTION MATERIALS TESTING and INSPECTIONS| HUNTINGTON BEACH, CA-CITY OF HUNTINGTON BEACH and CALTRANS

AESCO performed geotechnical and environmental engineering, construction materials testing and inspections, and construction management for a 1500-foot extension of a water main on Eastbound Beach Boulevard between South Warner Avenue and Robidoux Drive and West Beach Boulevard to East Beach Boulevard at Holt in the Caltrans right-of-way. The entire project was constructed at night to accommodate traffic on Beach Boulevard. The testing and inspections included the placement of all structural fill and backfill, concrete testing and inspection, subgrade and aggregate base placement and compaction, asphalt paving construction (base and surface layers), rubber asphaltic concrete, slurry backfill, and inspection of three kinds of pipe-pvc, ductile iron, concrete mortar steel lined pipe, and pvc water lines, valves, fittings and the existing lines connections. AESCO attended the preconstruction meetings and worked closely with the City's engineers and Caltrans to provide approval of material submittals, response to RFI's, assisted in the resolution of construction matters, change orders, maintained the daily diary and the QA/QC logs. AESCO also coordinated street closure and traffic control to verify that it was in accordance with Caltrans requirements, encroachment permits, noise control, vibration monitoring, and SWPPP. Reviewed daily work tasks with the Contractor and verified that work was proceeding in accordance with plans and specifications, alerted contractor to project requirements, verified depth of asphalt and aggregate base and measured that the roadway met the required depth of asphalt and aggregate base nightly. Verified the trench backfill, pipe bedding and rolling and compaction of the asphaltic concrete. Tracked construction schedule and quantities of materials. Reviewed contractor payment schedule. Worked closely with the City of Huntington Beach Senior Construction Project Manager.

Project Highlights:

- Construction materials and geotechnical and materials inspection and testing for 1500 ft. water main extension
- Worked closely with City and Caltrans
- Performed environmental monitoring
- Performed construction management duties including supervision of traffic control, street closures, RFI's, change orders, etc.

Start Date: 2017
Completion Date: 2018
Total Cost: $650,000
Client: City of Huntington Beach
Role: Inspection and Materials Testing, Geotechnical Engineering, Environmental Engineering, Construction Management

Key Personnel Involved: Adam Chamaa, P.E., G.E., Russ Scharlin, P.E., G.E., Debra Perez, Omar Chamaa, Giovanni Mikhail, David Ryan, P.E.

Reference

Andrew Ferrigno, PE, Senior Engineer| City of Huntington Beach |2000 Main Street, Huntington Beach, CA 92648 | Phone: (714)536-5291|E-mail: AFerrigno@surfcity-hb.org

405 FREEWAY WIDENING | Between SR-73 and I-605 Freeway, Orange County Transportation Authority and Caltrans, Orange County, CA

AESCO is performing the Quality Verification, selected Quality Control and geotechnical and environmental engineering during widening of the 405 Freeway between SR-73 and the 605 Freeway, a total of 16 miles. The project is considered to be a critical federal critical infrastructure project. The widening project includes construction of new lanes on the southbound and northbound sides, new retaining walls, bridges, etc. The testing and inspection services include a review of the concrete mix for pavement, caissons, below groundwater, structures, etc. and testing and inspections for concrete, concrete batch plant, rebar, aggregate, welding, steel tubing, compaction, base material evaluation and testing, and asphaltic concrete. AESCO is coordinating and managing all of the construction materials testing and inspections services. AESCO is supporting the project with lead inspectors, traffic control inspectors, drainage inspectors, electrical inspectors, false works inspectors, soil stabilization inspectors & grading inspectors. AESCO also prepared the Quality Verification Inspection and Testing Manual for the project including all of the digital forms and is responsible for safety compliance, traffic control, lane closures, and Stormwater Pollution prevention Plan (SWPPP). Geotechnical engineering services being provided included an investigation for new retaining walls, borings to confirm corrosivity testing, and inspections of compaction, foundations, subgrade, embankments, and bridge foundations. As part of the I-405 Widening project.

Project Highlights:

- Construction Materials and Soils Inspection and Testing for Freeway Widening Project
- Prepared Quality Verification Inspection and Testing Manual for the project
- Coordinating and managing construction materials testing and inspection services
- Environmental Sampling of Aerially Deposited Lead (ADL)
- Asbestos Survey and Abatement Oversight
- Environmental assessment of clean import and hydrocarbon impacted soils
- Geotechnical Engineering for retaining walls and corrosivity

Start Date: 2018
Completion Date: 2023 (Projected)
Total Cost: $1.9 billion
Client: OC 405 Partners for OCTA and Caltrans
Role: QV Inspection and Testing

Key Personnel Involved: Adam Chamaa, P.E., G.E., Russ Scharlin, P.E., G.E., Debra Perez, Omar Chamaa, Giovanni Mikhail, Steve Crumb, Dustin Sexton, Chris Sobek, David Ryan, P.E., Daniel Jimenez, Jr., Greg Astran, Ben P. Graubard, Daryl Faulstick, Jarrod Martin, Michael Kopenski

Reference

Mr. Kausi Amuth, Senior Transportation Engineer | Caltrans |3100 West Lake Center Drive, First Floor, Santa Ana, CA 9270| Phone: (949) 279-8688|E-mail: kausi.amuth@dot.ca.gov

Section C
Firm Organization and Project Team

Founded in 1993, AESCO, a small business enterprise, has provided construction quality control and quality assurance services on both small and large municipal capital improvement and commercial projects in Los Angeles, San Bernardino, Riverside, and Orange Counties over the past 29 years.

AESCO CORPORATION PROFILE

- AESCO is a **woman-owned corporation** (incorporated in California).
- AESCO currently has 35 employees.
- AESCO is **SBE, DBE, WBE**, and **CBE** certified.
- Laboratory is DSA, Caltrans and City of Los Angeles certified.
- Member of the Independent Assurance Program with Caltrans, CCRL, and AMRL.
- Materials testing and inspection services including asphalt.
- Clients include OCTA, the County of Orange, CalTrans, and MTA; the Cities of Los Angeles, Huntington Beach, Santa Ana, Villa Park, Lynwood, Lakewood, Buena Park, and Riverside; Los Angeles Unified School District, Long Beach Community College District, the Covina School District, and the Alhambra School District.

SERVICES OFFERED

Construction Materials Testing and Inspections

AESCO operates a construction materials engineering (CME) laboratory in Huntington Beach, California, and is capable of performing in-house or on-site testing and inspection services. Our laboratory produces thousands of reports annually involving concrete, aggregates, soils in-place, and bituminous materials. AESCO also regularly tests and inspects brick, granite, stone masonry, mortar, reinforcing steel, and manufactured elements such as pre-stressed beams and pre-cast panels. Our sub-consultant Foresight Engineering has been performing land surveying throughout California since 1984.

Engineering consultation and inspection services are available for each phase of construction including but not limited to:

- Aggregate Evaluation
- Concrete Mixtures-Design, Inspection, and Testing
- Bituminous Materials Testing
- Up to 600,000-Pound Universal Tension and Compression Test Machines
- Charpy V Notch Test Apparatus
- Rockwell Hardness Test Machines
- Refractory Testing
- Concrete Masonry Block
- Roof Inspection and Testing
- Geotechnical and Subsurface Investigation and Testing
- Soils Compaction and Stabilization Tests and Inspection

- Structural Steel Fabrication and Erection Inspection and Testing
- Qualification of Welders and Procedures
- Welding Inspection
- Rebar Inspection and Testing
- NDT Testing and Inspection

AESCO provides full grading inspection services during construction. Our inspectors are capable of performing field inspection and testing of fill materials, excavations, foundations, and shoring and are trained to perform compaction testing with the nuclear density gauge test methods based on ASTM or Caltrans procedures and are licensed/certified to operate nuclear density gauges.

Geotechnical Engineering

AESCO's geotechnical investigations have included: foundation and pavement design, settlement problems, compaction monitoring and testing, shallow and deepened foundations, pressure injected footings, earth retaining structures, landslide analysis and control, expansive/collapsing soils, underpinning and special foundations, construction dewatering and drainage, pipelines and utilities, liquefaction analyses, and fault evaluation. Laboratory testing is performed using ASTM, AASHTO, and other applicable specifications and guidelines.

Environmental Engineering

AESCO can provide a full range of Environmental Engineering services that are vertically integrated to deliver a complete "turnkey" package including: Phase I-Initial Environmental Site Assessment (ESA), the Phase II-Investigation, Phase III-Remediation and Mitigation Design, and Final Close Out Report. In addition, AESCO provides a range of Regulatory Compliance services.

Project Management

AESCO has provided comprehensive project management services including contract administration, constructability reviews, project engineering, change order management, labor compliance, and document control.

AESCO'S Laboratory Qualifications

AESCO generates thousands of material testing reports for soils, concrete, steel and other building materials from our Huntington Beach laboratory. The Huntington Beach facility comprises of over 6,000 square feet laboratory equipment with state-of-the-art testing equipment. AESCO's testing equipment is fully computerized and connected to our main

server and is calibrated yearly. AESCO's reports are digitalized and maintained on AESCO's main frame server and on the web for immediate access for our engineers and clients.

AESCO maintains a strict Quality Control Program (QCP). AESCO is a member of, and certified by several independent certification agencies, such as DSA, AMRL, CCRL, Caltrans, the City of Los Angeles, and the City of San Diego. AESCO is also part of the yearly reference sampling program for these agencies. These involvements ensure a rigorous training of AESCO's technicians and test method verifications. AESCO maintains current test manuals and standards. All laboratory testing and field investigations are supervised by AESCO's registered engineer. The test results are reviewed by AESCO's project manager and principal geotechnical engineer, each of whom has 30 years of experience.

All testing will be performed in AESCO's Caltrans, ARML, CCRL, City of Los Angeles, and DSA approved laboratory and all work will be in compliance with applicable governing local, State and Federal agencies and laws. AESCO has used cloud computing and other forms of technology to streamline client communication, improve the documentation process and provide technicians an efficient way to record results. Allowing, clients and team members the ability to verify and track the status of our field, shop and lab work. This method has improved project tracking, collaborating on solutions and ensuring the project is inspected in accordance with the contract documents and intent of the design professionals.

Turnaround times for most laboratory tests are generally 5 to 10 days with the exception of concrete cylinders which are broken on a 7-day, 14-day and 28-day schedule. Laboratory tests can be performed on an expedited schedule as needed.

Budget/Schedule Performance

AESCO has been successful in consistently completing its projects within the assigned budget and schedule. We thoroughly evaluate our task and scope of work and build an efficient budget for our work. Therefore, we seldom exceed the budget or schedule. AESCO has a practice of obtaining advance approval from clients prior to initiating any work which will add costs to the originally approved budget.

AESCO has a strong financial base, and has never experienced any bankruptcy, pending litigation, office closure, nor has any impending merger in the near future. AESCO is able to complete projects within the established schedule and does not add on additional work without prior authorization.

AESCO has **NEVER** had any OSHA citations. AESCO has never had any outstanding or pending complaints through the Better Business Bureau, State of California Department of Consumer Affairs.

Key Personnel/Proposed Staffing

A brief overview of key personnel is presented below. Detailed resumes are included in **Appendix C**. **AESCO is signatory to the Local 12 Operation Engineers (Union) and has a large pool of potential employees/inspectors which will be dispatched as necessary.** AESCO does not anticipate the use of sub-contractors for this project.

Name	Role	Education/Credentials
AESCO		
Adam Chamaa, PE, GE	Senior Project Manager	B.S. Civil Engineering M.S. Civil Engineering Licensed California Engineer (P.E.) Licensed California Geotechnical Engineer (G.E.) Nuclear Density Machine Operator
Russell J. Scharlin, PE, GE	Quality Control Director	B.S. Civil Engineering M.S. Civil Engineering Licensed California Engineer (P.E.) Licensed California Geotechnical Engineer (G.E.)
David J. Ryan, PE	Project Engineer	B.S. Civil Engineering Licensed California Engineer, P.E.
Omar Chamaa, EIT	Inspection Manager	B.S., Civil Engineering E.I.T. Certificate No. 135299 Hazardous Materials 40-hour Training ICC, Caltrans, Registered Deputy Inspector, ACI , TWIC, Nuclear Gage
Debra Perez	Project Manager	B.S. Renewable Natural Resources Nuclear Density Machine Operator
Kay Alabed	Quality Control Coordinator	B.S., Dental Medicine
Giovanni Mikhail Inspector	Inspector	B.A., Business, Devry University, in progress County of Los Angeles Certified Deputy Inspector Masonry County of Los Angeles Certified Deputy Inspector Concrete ICC Structural Masonry Certified Inspector ICC Reinforced Concrete Certified Inspector ACI Certified, Concrete Field Testing Technician Certified Radiation Safety and Nuclear Gage Operator Caltrans Certificate of Proficiency for: Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC (Fabrication only), Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Slump of Fresh Portland

		Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete TWIC Card
Christopher J. Sobek	Inspector	Coastline Community College, Orange Coast College, Orange County Inspection Certificate: Building Inspection, Concrete/Masonry Blueprint Reading, Wood/Steel Framing, Fire & Life Safety, Welding Technology, Electrical, Plumbing, Coastline Community College, Orange Coast College, Orange County ICBO/ICC-Reinforced Concrete, Prestress Concrete, Structural Steel/Welding, Structural Mas, Fireproofing, Building Inspection and Plumbing ACI Laboratory Testing-Grade I and Grade II, Transportation Radiation Safety and Use of Nuclear Gage Competent Person Training Post-Tensioning Institute in Unbonded Tendons Asphalt Institute in Mix Design Technology DSA Class I OSHPD Class A AWS-CWI NICET Level II Highway Construction Materials 30-hour Hazardous Waste
Michael Kopenski	Inspector	Certified Welding Inspector ICC Reinforced Concrete ICC Masonry ICC Spray Allied Fireproofing ICC Welding (S2) ICC Structural Welding & Bolting (S1) ACI Certification Non-destructive testing LADBS City of Los Angeles Registered Steel Inspector (Welding) PCI Level 1Lead Hazard Awareness Concrete Paving Inspection Hot Mix Asphalt Master Inspector Sampling Techniques Structure Construction Inspection Landscape Inspection SWPP and Water Pollution Control Programs Advances Construction Site Best Management Practices (BMPS) Field Applications Water Pollution Administration Inspection and Maintenance of Construction Sites Management of Construction Site Dewatering Operations Water Quality Sampling and Analysis on Construction Sites Traffic Control Management
Jarrod Martin	Inspector	ICC – Master of Special Inspection, Structural Steel and Bolting Special Inspector, Spray Applied Fire Proofing Special Inspector, Structural Welding Special Inspector, Reinforced Concrete Special Inspector, Structural Masonry Special Inspector, Structural Steel & Welding Special Inspector; ACI Concrete Field Testing Technician Grade-I; AWS CWI; City of Los Angeles Deputy Building Inspector
Darryl Faulstick	Inspector	ICC Certified in Prestressed Concrete, Reinforced Concrete ACI Concrete Field Testing Technician Grade I
Ben P. Graubard	Inspector	B.A., California State University Fullerton

		10-hour OSHA Health and Safety Course ICC Reinforced Special Inspector ICC Prestressed Concrete Special Inspector ACI Concrete Field Testing Technician Grade 1 ACI Aggregate Testing Technician –Level 1 ACI Concrete Laboratory Testing Technician –Level 1 ACI Concrete Testing Technician –Level 2 Cal Trans Quality Control Manager California Test Methods: CT105, CT125, 201, ,217, 226,227,504,518, 521,523,524,533,539, 540,556 and 557 Registered Special Inspector, County of Orange
Greg Astran	Inspector	B.A. Political Science California State University San Bernardino Certified Nuclear Gauge Operator American Concrete Institute Field Technician Grade I Caltrans Certifications: CA 125AGG, CA 125PCC, CA 216, CA 231 Operating Engineers Local 12 6000 Hour Apprenticeship Program – State of CA Certified Public Works Inspection Coursework 15 Units Rancho Santiago College
Daniel Jimenez, Jr.	Inspector	ACI – Field Technician; ICC Reinforced Concrete, Structural Welding, Master of Special Inspection, Structural Steel & Welding, Structural Steel and Bolting, Spray Applied Fire Proofing, Structural Masonry; AWS-CWI; NDT Ultrasound Testing Level II, Magnetic Particle Level II, Ultrasonic Phased Array Level II, San Diego City Cert Concrete/Masonry/Welding/Fireproofing; CT 504, 518, 539, 540, 543, 556, 557 OSHA 10hr Fall protection Scaffold Hazard Awareness Confined Spaces
Dustin Sexton	Inspector	AWS/CWI Certification Riverside Community College AWS Welding Inspector City of Long Beach Structural Steel and Welding County of Los Angeles Structural Steel and Concrete ICC Master of Structural Inspection ICC Structural Steel and Concrete ICC Structural Welding ICC Structural Steel and Bolting ICC Spray-Applied Fireproofing CWI Welding City of Los Angeles Welding
Tariq Abdullah	Laboratory Manager	B.S., Geology Caltrans Certificate of Proficiency for: Calculations for Gradings & SpG, Soil & Aggregate Prep., Sieve Analysis of Fine & coarse Aggregates, Percentage of Crushed Particles, Specific Gravity & Absorption of Fine and coarse Aggregate Sand Equivalent, Moisture content, Cleanness of Coarse Aggregate, Durability Index, R-Value Soils and Bases, Preparation of Bituminous Mixtures for Testing, Bulk Specific Gravity & Density of Bituminous Mixtures, Theoretic Max Specific Gravity & Density of Bituminous Paving Mixtures, Stabilometer Value, Moisture

		Content using Microwave, Asphalt Content of Bituminous Mixes, Ignition Method NICET Level II for: Asphalt, Concrete, Soil Radiation Safety and Use of Nuclear Gage

Resumes are provided in Appendix A.

Section D
Proposed Project Schedule

The schedule for materials testing and special inspection services are dependent upon the contractor's construction schedule. AESCO will be available to perform the required tasks as needed.

The project is anticipated to start on March 27, 2023 and be completed within 3 years. Estimated inspection hours are included within the cost table in Appendix B.

Section E
Proposed Costs

For this scope of work, we assume construction procedures and appropriate laboratory testing will be performed in accordance with the plans and specifications. Field inspection, engineering supervision, and reporting are based on the construction schedule within the cost table. The fees for the anticipated services are summarized in the attached cost table in Appendix B.

Hourly rates reflect Prevailing Wage rates for those positions that are required to be paid such rates for services rendered. AESCO's DIR number is 100011569. It is understood the hourly rate will change annually with the wage determination issued by the State Department of Industrial Relations. Therefore, there will be an escalation of the billable rates of approximately 4 percent per year.

APPENDIX A

RESUMES

Adam Chamaa, PE, GE

Senior Project and Engineering Manager

Education:
M.S. Civil Engineering, Geotechnical and Highway Design; Louisiana Technical University, Ruston, LA

B.S., Civil Engineering, Louisiana Technical University, Ruston, Louisiana

Registrations:
California No. C53992 (Civil)
California No. C2784 (Geotechnical)
Nevada No. 022245 (Civil)

Registered civil and geotechnical engineer with over 35 years of experience as geotechnical engineer and quality control/quality assurance (QC/QA) manager. Responsible for QC/QA engineering for new construction, foundations, sewer installations, roadway surfaces during and after installation, design of de-watering systems, pump stations, and assessment of soil-related environmental contamination. Provided geotechnical design recommendations for new construction for municipal, governmental and commercial projects throughout California.

Specific Project Experience

Widening of the 405 Freeway, Euclid St. to I-605-Orange County
Engineering Manager: Mr. Chamaa is the Engineering Manager for the widening of the 405 Freeway for a total of 16 miles for Caltrans and OCTA. The project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. Mr. Chamaa is also supervising the testing and inspection services which include a review of concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing. He is working closely with the contractor to ensure that the project proceeds in a timely manner and that all testing meets required project plans and specifications.

On-Call Soils and Materials Testing and Inspection Services-Orange County Transportation Authority
Engineering Manager: Mr. Chamaa was the Engineering Manager for the soil and material testing and inspection services on an on-call basis for any OCTA owned facilities. Various projects were performed at the five maintenance and operations facilities, various transportation centers and park-and-ride facilities owned by the OCTA. AESCO also provided all labor, materials, equipment, and facilities to perform soils and materials testing and inspection services during construction of the various projects. The services included performing required testing of soils, asphalt concrete, masonry, Portland cement concrete, reinforcing steel, and structural steel. In addition, special deputy inspection services for welding, reinforcing steel, masonry, concrete placement, and roofing installation inspection were also performed.

Lenain Water Treatment Plant Modifications-City of Anaheim
Engineering Manager: Mr. Chamaa was the Engineering Manager for the geotechnical engineering for various improvements to upgrade the existing water treatment facility for GHD for the City of Anaheim. As part of the upgrade, it is proposed to construct a new chemical feed system structure, install a new 36-inch diameter pipeline between the Reservoir and the Parkview Pump Station and widen the delivery truck road. Various new retaining walls will also be constructed. Several borings were performed as well as potholing to locate utilities throughout the site. Extensive slope stability analyses and retaining wall design were performed to determine the optimal design for widening of

the roadway. Mr. Chamaa also supervised the construction materials testing and inspections for the improvements which included: evaluation and testing of backfill for MSE retaining walls; compaction; concrete; grout; fill stockpile evaluation; welding; review and evaluation of retaining wall plans and foundation plans.

Sewer Lift Station Replacement Project, Algonquin Lift Station No. 10 – City of Huntington Beach
Engineering Manager: Mr. Chamaa was the Engineering Manager for a geotechnical investigation for the demolition and replacement of an existing lift station and some of the associated piping with a new lift station located approximately 50 feet south of the existing station. The new lift station consisted of a concrete vault with a footprint area of approximately 10 feet by 10 feet and about 30 feet to 35 feet in depth. Liquefaction analysis was performed. Recommendations were provided for shoring during construction, dewatering, sewer line installation using trenching methods, bedding materials, mat foundation including bearing pressures, lateral earth pressures, and wall backfill. AESCO performed the testing and inspection during construction of the lift station and the associating piping, trench shoring, backfill, vibration monitoring review, concrete, and pipe encasement from Algonquin to Heil in Huntington Beach.

Expansion of 12kV Power System – Disneyland Resort, Anaheim
Engineering Manager: Mr. Chamaa was the Engineering Manager for the performed construction materials testing and inspection for construction of the electrical infrastructure to support expansion additions to the existing 12kV power system network in Disneyland and extending into the City of Anaheim. Three new switching stations were installed with electrical ducts running through the Disneyland Resort facilities including through the Simba parking lot, the Timon parking lot, the Back-Of-House, and through Disneyland Drive. The project included demolition, removal, or reinstallation of existing facilities, refinishing of all surfaces within the work areas, restoring the existing plumbing system and equipment to operational conditions, restoring the existing electrical system and equipment to operational condition.

On-Call Geotechnical and Material Testing and Inspection Services-Los Angeles International Airport- Los Angeles
Engineering Manager: Mr. Chamaa was the Engineering Manager for the on-call specialty and materials testing services during the installation of shoring and excavation for the piling platform during construction of the new RX-S Facility at LAX. The new facility will provide new electrical distribution feeders for the airport. AESCO reviewed the shoring plans, sheet pile driving procedures and the existing geotechnical report. Mr. Chamaa supervised the sheet pile installation including the depth, logging resistance and provided mitigations when refusal was encountered during the driving operations. Also inspected and performed testing of compaction of the backfill and performed classification testing of the backfill material for the new structure.

Russell Scharlin, PE, GE
Quality Control Director

Russell Scharlin is the Quality Control Director and Senior Geotechnical Engineer with over 40 years of experience in civil and geotechnical engineering. Primary responsibilities include performing all aspects of construction management, geotechnical engineering and environmental studies. Mr. Scharlin has provided design and construction management services related to pavements and foundations for numerous structures, bridges, pump stations, freeways, tanks, communication towers and other structures.

Education:
M.S., Civil Engineering (Geotechnical), University of California at Davis

B.S., Civil Engineering, University of California at Davis

40-hour Health and Safety Training

Registrations:
Geotechnical Engineer, State of California
Civil Engineer, State of California

Specific Project Experience

Seismic Remediation-Elevated Roadway-John Wayne Airport, Santa Ana
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director for the seismic retrofit of the bridge structure located at the John Wayne Airport. The project was for the County of Orange and Caltrans. The project consisted of installation of 64 steel column casings at select concrete column locations, enlargement of selected foundation pile caps, installation of new expansion joints at terminal vehicle ramps and walkways, detensioning and retensioning of slab tendons and miscellaneous pavement and sidewalk improvements. Also prepared the Construction Quality Control Plan and the Welding Quality Control Plan. Mr. Scharlin ensured that the project was completed on schedule and under budget.

Main Street, Talbert Street and Heil Street Pavement Rehabilitation-City of Huntington Beach
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director for rehabilitation of the pavement on Main Street (between Garfield Avenue and Delaware Street), Talbert Avenue (between Gothard Street and Newland Street) and Heil Avenue (between Edwards Street and Goldenwest Street), including reconstruction of curb and gutters, sidewalks and retaining wall improvements and asphalt paving removal and replacement. Testing and inspections included excavation bottoms, placement of all structural fill, concrete, rebar, crushed miscellaneous base, asphalt paving including base and surface layers. Mr. Scharlin worked closely with the contractor to ensure that the project was completed on schedule and under budget.

Springdale Reservoir – City of Huntington Beach
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director and Senior Geotechnical during construction of the 150-million-gallon capacity reservoir which is partially below ground. The project also included a new electrical building and a combination pump station/control and security building at the existing reservoir facility. Mr. Scharlin worked closely with the City of Huntington Beach and the contractor to ensure that the project was completed on schedule and under budget.

Algonquin Lift Station No. 10, Huntington Beach
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director for the geotechnical investigation and construction materials testing and inspections for the demolition and replacement of an existing lift station and some of the associated piping with a new lift station located approximately 50 feet south of the existing station for the City of Huntington Beach. The new lift

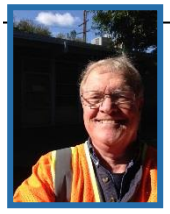
station consisted of a concrete vault with a footprint area of approximately 10 feet by 10 feet and about 30 feet to 35 feet in depth.

Olinda Landfill-Gas to Energy Facilities – City of Yorba Linda
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director for construction materials testing and inspection services during construction of the gas to energy facilities at the Brea-Olinda landfill for the City of Yorba Linda and the County of Orange. The facilities included the installation of gas turbines mounted on concrete slabs, a combustion turbine generator, chilled water systems, polishing systems, compressed air systems, a step-up transformer, switch gears, axillary transformers, a main building and control room, trenching and piping, and miscellaneous structures. New access roads were also constructed.

Warner Avenue Gravity Sewer Lift Station C – City of Huntington Beach
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director for the construction materials testing and inspection and for the geotechnical and environmental Phase II investigations for a new lift station facility. The project consisted of the replacement of the existing Lift Stations B and C and the Sunset Beach Sanitary Lift Station with a new Lift Station C. The submersible lift station incorporated a 14 foot by 26 foot by 22 foot deep wet well. The bottom of the well foundation was approximately 26 to 27 feet below existing grade. The new lift station also included an 8-foot deep valve vault which was 15 feet by 10 feet in plan dimension, a 60 kW outdoor generator, and electrical panels.

State College Boulevard Grade Separation-Fullerton
Quality Control Director: Mr. Scharlin was the Senior Quality Control Director for replacement of the at-grade railroad crossing by construction an underpass for State College Boulevard beneath the existing BNSF railroad. The City of Fullerton and the Orange County Transportation Authority (OCTA) constructed a vehicle undercrossing at the intersection of State College Boulevard and the Burlington Northern Santa Fe Railway. The roadway will be lowered between Santa Fe Avenue to the north to approximately 500 feet south of Valencia Drive to the south. Construction consisted of a temporary railroad shoo-fly, a railroad bridge, retaining walls, a pump station, pavement and utilities reconstruction. AESCO performed QA inspection and testing for earthwork, foundation installation, concrete, reinforcing steel and pavement reconstruction.

Sand Canyon Grade Separation-Irvine
Quality Control Manager: Mr. Scharlin was the Quality Control Manager for the materials testing and inspections for the Sand Canyon Grade Separation project at the 5 Freeway in Irvine. The project includes the construction of a rail underpass, retaining walls, railroad relocation, storm drains, utility relocations, Sand Canyon Avenue relocation, and a new pump station. Third parties involved in the project include the City of Irvine, the Southern California Regional Rail Authority, Caltrans, and the Irvine Ranch Water District.



David J. Ryan, PE

Quality Control Manager

Mr. Ryan is a registered civil engineer and Quality Control Manager with over 40 years of experience in civil engineering. Primary responsibilities include daily administration, record keeping, cost and schedule control, progress reporting, and working closely with the client to ensure that the project is completed on schedule and under budget.

B.S., Civil Engineering, University of Illinois, Champaign-Urbana, 1973

Registrations:
California No. C49661 (Civil)

Specific Project Experience

Beach Boulevard Water Main Extension Project-City of Huntington Beach and Caltrans
Quality Control Manager: Mr. Ryan was the Quality Control Manger for a 1500-foot extension of a water main on Eastbound Beach Boulevard between South Warner Avenue and Robidoux Drive and West Beach Boulevard to East Beach Boulevard at Holt in the Caltrans right-of-way. The testing and inspections included the placement of all structural fill and backfill, concrete testing and inspection, subgrade and aggregate base placement and compaction, asphalt paving construction (base and surface layers), rubber asphaltic concrete, slurry backfill, and inspection of ductile iron and pvc water lines, valves, fittings and the existing lines connections.

Village at Westfield/Topanga Retail Mall, Canoga Park
Quality Control Manager: Mr. Ryan was the Quality Control Manager for materials testing and inspection during expansion of the existing mall for Westfield Property LLC. The project included a parking garage, a new Costco Retail store and a tri-level mall retail area. Testing and inspection included concrete batch plant, concrete piles and logging, rebar, structural steel, masonry, fireproofing high strength bolting, aggregate, welding, mass grading, utility excavations, footing inspections, subgrade, base material evaluation, compaction, and asphaltic concrete.

Long Beach Main Pumping Plant, Los Angeles County Sanitation District, Long Beach
Quality Control Manager: Mr. Ryan was the Quality Control Manager for the quality control inspection and materials testing and geotechnical engineering services for the contractor for the Los Angeles County Sanitation District for the New Main Pumping Plant. The project involved a 50-foot wet well next to the existing plant along the 710 Freeway, adjacent to the Port of Long Beach. Forty separate structural concrete pours were performed below grade which required mass concrete-thermal control.

Gerald Desmond Bridge Replacement, Port of Long Beach
Quality Control Manager: Mr. Ryan was the Quality Control Manger for production testing of all reinforcing steel splices in accordance with Caltrans procedures for the replacement of the existing bridge. Sampling and testing were performed for rebar welded hoops, couplers, and reinforcing bars during construction of the foundations for the new bridge.

Lakeview Avenue Grade Separation, Anaheim and Yorba Linda
Quality Control Manager: Mr. Ryan was the Quality Control Manager for preparation of the QC/QA manual and supervised materials testing and inspection during construction of a new railroad grade

separation at the BNSF track. The project included railroad bridges, retaining walls, depressed roadways, utility relocations, roadway bridges, channel walls and drainage ditches.

Design/Build Modernization for Terminal 1, Redevelopment Program for Terminal 7 and Modernization of Terminal 6, Los Angeles World Airport for the City of Los Angeles
Quality Control Manager: Mr. Ryan was the Quality Control Manager for the special inspection and testing for three design/build projects at terminals 1, 6 and 7 for Southwest and United Airlines and for Westfield Properties. The scope of work included testing of the subgrade, base and concrete pavement for aprons, and asphaltic concrete tests on the areas between taxiways and utility trenches on the operation areas of the airport. Inside the terminals, concrete, masonry, fireproofing, structural steel with high strength bolting and welding special inspections were provided on a 24/7 basis during construction to seismically upgrade the 45 year old structures. Supervised a work force of eight inspectors working 2 shifts per day which was required to complete the project while keeping the terminals open.

Indian Springs Athletic Complex, San Bernardino County
Quality Control Manager: Mr. Ryan was the Quality Control Manger and supervised and reviewed the geotechnical recommendations for foundation design for the proposed stadium, running track, field and aquatics center structures and masonry side walls for the San Bernardino Unified School District. Mr. Ryan also supervised the caisson and footing installations, offsite fabrication of the stadium and construction of the pools.

Kay Alabed

Project Coordinator

Education:
B.S., Dental Medicine, Damascus University, 1990.

Professional Certifications:
Hazardous Waste Operations OSHA's Standard Training Certificate
Radiation Safety officer and Nuclear Gauge Certified

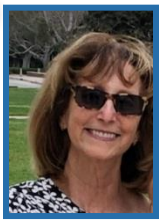
Kay is the founder and president of AESCO Inc. She established the company in 1994 in Baton Rouge, Louisiana as a drilling company, which grew to a full-scale construction management and engineering firm. Kay serves as Project Coordinator, payroll manager and is also the administration of all of AESCO's projects. Ms. Alabed is also office manager and is in charge of the company's daily operations, project scheduling, client relationships, and accounting. She has written numerous computer software programs for the organization and operation of the firm. Kay also has a medical degree in Dentistry and her medical knowledge and experience enables her to serve as the company's health and safety officer. Kay prepared AESCO's Health and Safety Manual, Quality Assurance Program, and oversees the operating procedures for AESCO's nuclear density gauges. She also schedules and budgets many of AESCO's projects. She has been responsible for coordinating and scheduling a variety of projects such as: freeway, grade separations, commercial, dam sites, gasoline service stations, and solid waste sanitary landfill sites.

Specific Project Experience

Sand Canyon Grade Separation-Irvine
Project Coordinator: Ms. Alabed was the Project Coordinator for the Sand Canyon Grade Separation project in Irvine for the Orange County Transportation Authority/Caltrans. The project included a railroad shoo-fly and new railroad bridge and CIDH foundations, retaining walls, shoring, pavement, utility installation, a pump station and building construction.

Perris Valley Line Commuter Rail Extension Project-Perris
Project Coordinator: Ms. Alabed was the Project Coordinator for the Perris Valley Line Extension Rail Project for the Riverside County Transportation Commission. The project involved a 22-mile extension of the existing 512-mile Metrolink commuter rail system and stations.

Soundwalls for the 210 Freeway-Los Angeles County
Project Coordinator: Ms. Alabed was the Project Coordinator for the new soundwalls on the 210 Freeway for Caltrans. The project included bridge and retaining structures and soundwalls.



Debra Perez

Project Manager

Debra Perez has been a Project manager for various geotechnical and environmental engineering projects for over 35 years. Ms. Perez has been project manager for a variety of projects including construction of new above ground oil storage tanks for ARCO, City of Lynwood Senior Center, new natural gas pipelines and steam generating facilities for Southern California Edison, several freeway and road projects including new embankment fills, new bridges, grade separations, pavement design and survey of existing road conditions, and new telecommunications facilities throughout California. Ms. Perez' experience includes hazardous waste investigations, supervision of the soils laboratory and preparing reports for compaction, preliminary soil investigation, distress investigation, and slope repair projects.

Education:

Civil Engineering, Graduate Studies Program, California State University, Long Beach, California

B. S., Renewable Natural Resources, University of California, Davis, 1978

Specific Project Experience

Sewer Lift Station Replacement Project-Algonquin Lift Station No. 10, Huntington Beach

Project Manager: Ms. Perez was the Project Manager for the geotechnical investigation and construction materials testing and inspections for the demolition and replacement of an existing lift station and some of the associated piping with a new lift station located approximately 50 feet south of the existing station. The new lift station consisted of a concrete vault with a footprint area of approximately 10 feet by 10 feet and about 30 feet to 35 feet in depth.

Ranger Sewer Lift Station No. 16-City of Huntington Beach

Project Manager: Ms. Perez was the Project Manager for the geotechnical investigation and the materials testing and inspection for construction of Ranger Sewer Lift Station No. 16 for the City of Huntington Beach. The new lift station was 24 feet by 24 feet in plan dimension and was placed at a depth of 18 feet below the existing ground surface. Recommendations were made for a mat foundation, dewatering during construction, waterproofing, pipe bedding, lateral pressures, and shoring.

Auto Center Drive/BNSF Railroad Grade Separation, Corona

Project Manager: Ms. Perez was the Project Manager for the geotechnical and materials testing and inspections for the Auto Center Drive grade separation project for the City of Corona and Riverside County Transportation Commission. The project consisted of constructing a four-lane overcrossing at Auto Center/BNSF railroad tracks. Construction required a bypass roadway, other roadway improvements, retaining walls, utilities and CIDH piling foundations.

On-Ramp Widening, Eastbound SR-91 Freeway at Beach Boulevard, Buena Park

Project Manager: Ms. Perez was the Project Manager for the geotechnical investigation and materials testing and inspection services for the widening of the Eastbound SR-91 Freeway On-Ramp at Beach Boulevard for the City of Buena Park, a Caltrans oversight project. An environmental investigation and Aerially Deposited Lead study was also performed.

State College Boulevard Grade Separation, Fullerton
Project Manager: Ms. Perez was the Project Manager for the replacement of the at-grade railroad crossing by construction an underpass at State College Boulevard beneath the existing BNSF railroad for the City of Fullerton. Construction consists of a temporary railroad shoo-fly, a railroad bridge, retaining walls, a pump station, pavement and utilities reconstruction.

Lambert Park – City of Huntington Beach, Department of Public Works
Project Manager: Ms. Perez was the Project Manager for a geotechnical investigation for a repair of a failing slope at the existing park. The slope is 40 feet high and inclined at 1.5:1 (H:V). The investigation included logging and sampling of several borings, laboratory testing, slope stability analyses, and a seismic and geologic review. AESCO provided recommendations for slope repair including reconstructing the base of the slope in 10-foot wide sections. A buttressing wedge was placed at the toe of the slope using compacted crushed aggregate base and keyed 3 feet into the underlying native soils. Above the wedge, horizontal geotextile strips were placed at the surface of the existing slope to reinforce the surficial soils. AESCO monitored the construction activities during the slope repair.

Warner Avenue Gravity Sewer Lift Station C, Huntington Beach
Project Manager: Ms. Perez was the Project Manager for the construction materials testing and inspection and the geotechnical and environmental Phase II investigations for a new lift station facility for the City of Huntington Beach. The project consisted of the replacement of the existing Lift Stations B and C and the Sunset Beach Sanitary Lift Station with a new Lift Station C. The submersible lift station incorporated a 14 foot by 26 foot by 22 foot deep wet well. The bottom of the well foundation was approximately 26 to 27 feet below existing grade. The new lift station also included an 8-foot deep valve vault which was 15 feet by 10 feet in plan dimension, a 60 kW outdoor generator, and electrical panels. The sewer installation was installed over a distance of 1 mile.

Olinda Landfill-Gas to Energy Facilities – Yorba Linda
Project Manager: Ms. Perez was the Project Manager for construction materials testing and inspection services during construction of the gas to energy facilities at the Brea-Olinda landfill for the City of Yorba Linda and the County of Orange. The facilities included the installation of gas turbines mounted on concrete slabs, a combustion turbine generator, chilled water systems, polishing systems, compressed air systems, a step-up transformer, switch gears, axillary transformers, a main building and control room, trenching and piping, and miscellaneous structures. New access roads were also constructed. Mr. Chamaa performed the special materials inspection and testing services during construction. Services include grading and fill inspection/testing (fill acceptance, compaction tests, classification tests, and excavation inspections), foundation inspections, rebar, high strength bolts, grout, asphalt, etc.

Omar Chamaa, EIT

Inspection Manager

Mr. Omar Chamaa has over 14 years of experience as inspection manager supervising inspection of construction materials such as concrete, steel, anchors, soils, and grading. Mr. Chamaa has multiple Caltrans certificates and has been the inspection manager for several City of Huntington Beach, Caltrans and OCTA projects which included CMU walls, bridges, roadways, utilities, foundations, pipeline installations, lift stations, and retaining wall construction. Mr. Chamaa was responsible for construction material approval, such as: select fill, foundation excavation, slope cut, steel installation, and concrete mix design for various projects. He attended construction meetings to discuss material approvals, deficiencies, modifications, as well as providing final observation reports to the client.

Education:
California State University, Long Beach. B.S. Civil Engineering, 2009.

Professional Certifications:
EIT
ICC Certified Concrete Inspector
CalTrans Certificate of Proficiency, Flexural Strength of PCC, Grading, Compressive Strength, Concrete Curing, Making Beams, Rapid Set Concrete, etc.
City of Newport Beach Registered Deputy Building Inspector
City of Garden Grove Registered Deputy Building Inspector
ACI Certified, Concrete Field Testing Technician
ACI Certified, Concrete Laboratory Testing Technician
City of Long Beach Registered Deputy building Inspector
City of Riverside Registered Deputy Inspector
Certified Radiation Safety and Nuclear Gage Operator

Specific Project Experience

Widening of the I-405 Freeway, Euclid St. to I-605-Orange County

Inspection Manager: Mr. Chamaa is the Inspection Manager for the Quality Verification materials testing and inspection during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. Testing and inspection services include a review of concrete mix designs, concrete, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade, base material evaluation and testing, compaction, and asphaltic concrete. Mr. Chamaa has also coordinated the scheduling of inspections, supervised safety compliance, traffic control, lane closures, and the Stormwater Pollution prevention Plan (SWPPP).

Warner Avenue Gravity Sewer Lift Station C, Huntington Beach

Inspection Manager: Mr. Chamaa was the Inspection Manager for the construction materials testing and inspection and the geotechnical and environmental Phase II investigations for a new lift station facility for the City of Huntington Beach. The project consisted of the replacement of the existing Lift Stations B and C and the Sunset Beach Sanitary Lift Station with a new Lift Station C. The submersible lift station incorporated a 14 foot by 26 foot by 22 foot deep wet well. The bottom of the well foundation was approximately 26 to 27 feet below existing grade. The new lift station also included an 8-foot deep valve vault which was 15 feet by 10 feet in plan dimension, a 60 kW outdoor generator, and electrical panels. The sewer installation was installed over a distance of 1 mile.

Sand Canyon Grade Separation, Irvine

Inspection Manager: Mr. Chamaa is the Inspection Manager for the materials testing and inspections for the Sand Canyon Grade Separation project at the 5 Freeway in Irvine. The project includes the

construction of a rail underpass, retaining walls, railroad relocation, storm drains, utility relocations, Sand Canyon Avenue relocation, and a new pump station. Third parties involved in the project include the City of Irvine, the Southern California Regional Rail Authority, Caltrans, and the Irvine Ranch Water District.

First Street Bridge Replacement, City of Santa Ana
Inspection Manager: Mr. Chamaa is the Inspection Manager for the construction materials testing and inspections during the replacement of the bridge. Geotechnical services consisted of pile driving parameters evaluation and selection of fill materials. Testing and inspections were conducted on piles, welding, structural steel, precast concrete, concrete, asphalt, mix designs, etc.

State College Boulevard Grade Separation, Fullerton
Inspection Manager: Mr. Chamaa is the Inspection Manager for the replacement of the at-grade railroad crossing by construction an underpass for State College Boulevard beneath the existing BNSF railroad. The City of Fullerton and the Orange County Transportation Authority (OCTA) are constructing a vehicle undercrossing at the intersection of State College Boulevard and the Burlington Northern Santa Fe Railway. The roadway will be lowered between Santa Fe Avenue to the north to approximately 500 feet south of Valencia Drive to the south. Construction consists of a temporary railroad shoo-fly, a railroad bridge, retaining walls, a pump station, pavement and utilities reconstruction. AESCO has performed QA inspection and testing for earthwork, foundation installation, concrete, reinforcing steel and pavement reconstruction.

Sewer Lift Station Replacement Project, Algonquin Lift Station No. 10, Huntington Beach
Inspector: Mr. Chamaa was the Inspector for the geotechnical investigation and construction materials testing and inspections for the demolition and replacement of an existing lift station and some of the associated piping with a new lift station located approximately 50 feet south of the existing station. The new lift station consisted of a concrete vault with a footprint area of approximately 10 feet by 10 feet and about 30 feet to 35 feet in depth.

Broadcom Headquarters-Irvine
Inspection Manager: Mr. Chamaa is the Inspection Manager for the two bridge structures during the first phase of construction. One bridge on the north side has two lanes, two sidewalks and planters and is for access to the new structures. This bridge is approximately 180 feet by 90 feet in plan dimension. The second bridge consists of a pedestrian plaza with a fire lane access and is approximately 450 feet by 150 feet in plan dimension. Marine Way will extend beneath the bridge allowing access to the Great Park in Irvine. Materials testing and inspections consisted of reinforcing steel and concrete for footings, columns, retaining walls, bridge deck, approach slabs, wing walls, Caltrans barrier rails, and Caltrans sidewalks. Pile caps, post-tensioning for the foundations and slabs were also inspected as well as the electrical layouts, falsework for the bridge deck and concrete forms.

Giovanni Mikhail

Inspector

Mr. Mikhail has over 15 years of experience in the field and in construction materials testing and inspection services for concrete, masonry, steel, anchors, soils, and grading. He is experienced in performing compaction testing, foundation inspections and subgrade inspection and testing.

Education:
B.A., Business, Devry University, in progress

Professional Certifications:
County of Los Angeles Certified Deputy Inspector masonry
County of Los Angeles Certified Deputy Inspector concrete
ICC Structural Masonry Certified Inspector
ICC Reinforced Concrete Certified Inspector
ACI Certified, Concrete Field Testing Technician
Certified Radiation Safety and Nuclear Gage Operator
Caltrans Certificate of Proficiency for: Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC (Fabrication only), Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Slump of Fresh Portland Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete
TWIC Card

Specific Project Experience

Bristol Street Slope Stabilization – John Wayne Airport, City of Santa Ana

Inspector: Mr. Mikhail is the Inspector for the materials testing and inspection during construction of upper and lower Mechanically Stabilized Earth (MSE) Retaining Walls and associated drainage facilities and appurtenances along the north side of North Bristol Street and at the south end of the John Wayne Airport. Mr. Mikhael performed concrete batch plant inspection; the grading and earthwork inspection and testing; retaining wall backfill; foundation inspection; concrete structure inspection and testing; and masonry inspection and testing. Inspection of the geosynthetic fabric was also performed.

Widening of the 91 Freeway-Orange and Riverside Counties

Inspector: Mr. Mikhail was the Inspector for the materials testing and inspection during the widening of the 91 Freeway. The widening project includes the construction of new lanes on the east and westbound sides, new retaining walls, bridges, etc. The testing and inspection services included a review of the concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, retaining wall footings, rapid set concrete, masonry, MSE backfill, and asphaltic concrete testing.

Perris Valley Line Commuter Rail Extension Project-AMES Construction for Riverside County Transportation Commission

Inspector: Mr. Mikhail was the Inspector for the quality control inspection and materials testing services for the Perris Valley Line Extension Rail Project in Riverside County, CA. The project involves a 22-mile extension of the existing 512-mile Metrolink commuter rail system. Testing and Inspection services including compaction, asphalt, structural backfill, concrete batch plant inspection are being provided for the track, grade crossings, structures, railroad stations (Riverside Hunter Park Station, Moreno Valley/March Field Station, Downtown Perris Station and South Perris Station) and the layover facility. Mr. Mikhael performed inspection and testing of compaction, asphalt, structural backfill, and concrete batch plant inspection.

Christopher J. Sobek

Senior Inspector

Mr. Christopher J. Sobek has over 17 years of experience in the field performing testing and inspection of construction materials such as concrete, steel, anchors, soils and grading. Mr. Sobek performed construction materials testing and inspections for multiple Caltrans projects which included bridges, roadways, utilities, foundations, pipeline installations, and retaining wall construction.

Specific Project Experience

Fireproofing of High Bay Hanger-Los Angeles International Airport

Inspector: Mr. Sobek was the Inspector for the fireproofing of the High Bay Hanger for American Airlines.

Terminal 2 and Terminal 4-Ontario International Airport

Inspector: Mr. Sobek was the Inspector during construction of the two new terminals. Testing and inspections consisted of concrete, foundations, rebar, welding, compaction, etc.

Gerald Desmond Bridge Replacement- Long Beach

Inspector: Mr. Sobek was the Inspector for replacement of the existing bridge for the Port of Long Beach. Testing and inspections were performed for concrete, rebar, couplers, asphaltic concrete, welding, soil, compaction, base, foundation, paint and batch plant inspection.

I-605/I1-10 Connector- El Monte

Inspector: Mr. Sobek was the Inspector for flyover connector from southbound I-605 to the eastbound I-10 for Caltrans. The proposed fly-over direct connector (southbound I-605 to eastbound I-10) would replace the existing shared at-grade connector. Testing and inspections were performed for concrete, subgrade compaction, asphalt, rebar, etc.

Alondra Park Pool/Skate Park- Los Angeles County

Inspector: Mr. Sobek was the Inspector for the construction materials testing and inspections for the construction of the Pool and Skate Park at Alondra Park near Lawndale. The new pool is 25 meters by 25 meters in plan dimension and the skate park is 14,000 square feet. Testing and inspections were performed for compaction, concrete, rebar, epoxy, etc.

Education:

Coastline Community College, Orange Coast College, Orange County Inspection Certificate: Building Inspection, Concrete/Masonry Blueprint Reading, Wood/Steel Framing, Fire & Life Safety, Welding Technology, Electrical, Plumbing

Professional Certifications:

ICBO/ICC-Reinforced Concrete, Prestress Concrete, Structural Steel/Welding, Structural Mas, Fireproofing, Building Inspection and Plumbing
ACI Laboratory Testing-Grade I and Grade II,
Transportation Radiation Safety and Use of Nuclear Gage
Competent Person Training
Post-Tensioning Institute in Unbonded Tendons
Asphalt Institute in Mix Design Technology
DSA Class I
OSHPD Class A
AWS-CWI
NICET Level II Highway Construction Materials
30-hour Hazardous Waste

Michael Kopenski

Senior Inspector

Mr. Michael Kopenski has over 20 years of experience for a variety of projects for Airport, Caltrans, Public Works and Public Schools throughout Southern California.

Certifications:
Certified Welding Inspector
ICC Reinforced Concrete
ICC Masonry
ICC Spray Allied Fireproofing
ICC Welding (S2)
ICC Structural Welding & Bolting (S1)
ACI Certification
Non-destructive testing
LADBS City of Los Angeles Registered Steel Inspector (Welding)
PCI Level 1

Specific Project Experience

Gerald Desmond Bridge Replacement Project - CALTRANS

Quality Control Inspector: Mr. Kopenski was the Quality Validation Structure Inspector for the construction of Gerald Desmond Bridge. Mr. Kopenski performed shop and field inspection and nondestructive testing of structural steel weldments. Mr. Kopenski performed final inspections and testing of all material per the plans and specifications.

Widening of the I-405 Freeway-Orange County

Inspector: Mr. Faulstick is the Inspector for the Quality Verification materials testing and inspection during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. The testing and inspection services include a review of concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing.

Crenshaw / LAX Transit Corridor - Metrolink

Quality Control Inspector: Mr. Kopenski was the Quality Inspector for placement of reinforcing steel along the transit corridor daily for compliance. Kept daily testing logs of welding and nondestructive testing.

SR-91 Express Lanes Project – OCTA

Quality Control Inspector: Mr. Kopenski was the Quality Inspector for the quality assurance inspection and testing for the SR-91 Express Lanes Project Interchange improvements new ramps and loops, widening of highway and street improvements.
Project took over 3 1/2 years to complete. 2014-2018

Tom Bradley International Terminal (TBIT)– LAX

Quality Control Inspector: Mr. Kopenski was the Quality Inspector for the new 110ft-tall (3-story) Great Hall at the upgraded terminal, part of the $509.8 million project. The new Great Hall was approximately 150,000 square feet. Mr. Kopenski performed inspection of all structural weldments.

Jarrod Martin

Lead Inspector

Mr. Jarrod Martin is a highly experienced lead inspector with over 17 years of extensive experience doing grading, earthwork, structures, utilities and asphalt concrete placement for roads, highways, and bridges. His strengths include, but are not limited to, highway and roadway testing and inspection of soil, Portland cement concrete, asphalt concrete, and aggregate base for new construction and rehabilitation projects. Additional experience includes coordinating or directing other filed inspectors and technicians as needed, review of daily test reports, and monitoring of testing frequencies in accordance with the project specification. He can recognize unstable subgrades and provide on-site mitigation alternatives including overexcavation and installation of many geo-fabrics. He is also extremely proficient at inspecting and reporting on all structures. He started working with structures as a carpenter and moved directly, swiftly, and successfully into the inspection industry performing as a lead inspector since 2012 .

Certifications:
ICC – Master of Special Inspection, Structural Steel and Bolting Special Inspector, Spray Applied Fire Proofing Special Inspector, Structural Welding Special Inspector, Reinforced Concrete Special Inspector, Structural Masonry Special Inspector, Structural Steel & Welding Special Inspector; ACI Concrete Field Testing Technician Grade-I; AWS CWI; City of Los Angeles Deputy Building Inspector

Specific Project Experience

Union Patsaouras Bus Depot-Los Angeles
Lead Inspector: Mr. Martin was the Lead Inspector for the contractor as well as Metro and CalTrans for the new bus platform. Performing inspections on a daily basis and coordinating various inspectors and technicians for the testing and inspections that were required. Performed inspections and testing of the overexcavation and backfill of subgrade, installation of CIDH piles, micropiles, footings, columns, caps for the overpass, a pedestrian stairway, and two elevators.

Widening of the I-405 Freeway-Orange County
Inspector: Mr. Martin is the Inspector for the Quality Verification materials testing and inspection during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. The testing and inspection services include a review of concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing.

3rd Street and Broadway Cycle Track-Long Beach
Inspector: Mr. Martin was the Lead Inspector performed QC inspection and testing in City of Long Beach for roadway modifications to include a bike lane along 3rd Street and along Broadway. The project included relocating utilities, HMA grind and overlay, and installation of the new concrete bus pad. Mr. Martin inspected and tested the placement of base and HMA.

Four Seasons Wetherly-Los Angeles
Lead inspector: Mr. Martin was the Lead Inspector for a new 12-story tower which included 59 luxury condos, 3 pools, and a 3-story parking garage as its base. The $250 million project consisted of soldier

pile shoring, grading, export of soils, concrete, and post tension construction. Due to the expeditious and high-profile nature of this project the contractor made a valiant effort to place concrete every working day. Therefore, the contractor's questions needed expeditious answers and inspections needed to be completed as swiftly and accurately as possible to keep the project on time and under budget. Mr. Martin coordinated the inspections, sampling, and testing of the construction materials and craftsmanship of the work performed and installed by the contractor and subcontractors to ensure compliance with project plans and specifications.

241 Toll Road-Orange County

Civil Inspector: Mr. Martin was the Civil Inspector during excavation of the sloughing slope during the and toll road expansion. Mr. Martin was responsible for the inspection of the craftmanship and documentation of compliance with the approved slope and shoring plans. Inspected the excavation for unstable and unsuitable material. Observed placement of the repaired slope and drainage culverts, placement of rock materials, concrete, and structures. Performed testing and inspection of compaction of all soils and aggregate used to reconstruct the slope. Verified the bottoms of the overexcavation and the keyways prior to the placement of fill. Also verified bench cutting into suitable material on a continuous basis to ensure the stability of the slope when complete. Construction included placement of fill for widening of the roadbed, MSE walls, backfill operations abutments, placement of all concrete/aggregate products, pipe, conduit, RCP, PVC, and corrugated pipe, soil nail walls and tie back walls. Paving materials included lean concrete base, jointed plain concrete pavement and asphalt concrete.

State Route 125 Design-Build Project- Chula Vista

Inspector: Mr. Martin was the Inspector during the $775 million design-build project which consisted of a new 12-mile toll road from SR-905 to the SR-54 and the gap/connectors to SR-54, which included 23 bridge structures. Provided comprehensive quality control services including materials handling, testing, source inspection, structural inspection, and sampling. Performed materials laboratory testing in mobile laboratories on-site

Darryl Faulstick

Inspector

Certifications:
ICC Certified in Prestressed Concrete, Reinforced Concrete

ACI Concrete Field Testing Technician Grade I

Mr. Darryl Faulstick has more than 16 years of experience in construction quality management, QA/QC inspection and testing that spans a variety of project types including Caltrans, Metro, design builds, transportation, education, renewable energy, residential and commercial development. I have in-depth knowledge of codes, specifications and the standard tools and equipment utilized in construction, sampling and testing of construction materials. I have knowledge of mathematics and the methods used for computation of construction items. I have progressively increased my level of responsibilities throughout my career. The past 4 projects have extensive experience working as lead QA/QC inspector.

Specific Project Experience

Widening of the I-405 Freeway-Orange County
Inspector: Mr. Faulstick is the Inspector for the Quality Verification materials testing and inspection during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. The testing and inspection services include a review of concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing.

AES Huntington Beach Energy Project-Kiewit, Huntington Beach
Lead Special Inspector: Mr. Faulstick was the Inspector during construction of the new power plant in Huntington Beach. Responsibilities included ensuring that the inspections and testing for the project were completed in accordance with CBC, ASTM and Kiewit project specifications, testing frequencies, overseeing day to day construction quality and daily reports. Professional working relationships with Kiewit, AES, NV5 and GPI. Specific inspection tasks included ACIP, pile caps, utilities, mass grading, concrete placement, grout placement, reinforcement and managing technicians.

SFI Gerald Desmond Bridge Replacement Project-Long Beach
Lead QA Inspector: Mr. Faulstick was the Lead Inspector during replacement of the existing bridge. Responsibilities included ensuring that the inspection and testing for the project were completed in accordance with Caltrans and POLB specifications, testing frequencies, overseeing the day to day construction quality and providing testing documentation, daily reports. Professional working relationships with Caltrans, POLB, SFI staff. Specific inspection tasks included roadway, hollow/solid columns, CIDH, MSE walls, abutments, approach slabs, retaining walls, barrier slabs, barrier walls, pile caps, MBGR, mass grading, roadway grading, storm drains, utilities, concrete placement, reinforcement, asphalt paving, managing technicians.

Devore I-15/I-215 Interchange Project-Devore
Lead QA Inspector: Mr. Faulstick was the Lead Inspector during improvements to the interchange through adding one new lane and two miles of truck bypass lanes in each direction and building a new I-15 mainline northbound connector. Responsibilities included ensuring that the inspection and testing for the project were completed in accordance with Caltrans specifications, testing frequencies, overseeing the day to day construction quality and providing testing documentation, daily reports. Professional working relationships with Caltrans and Atkinson staff. Specific inspection tasks included roadway, solid columns, CIDH, MSE walls, bridge abutments, tieback/soil nail walls, approach slabs, retaining walls, barrier slabs, barrier walls, MBGR, mass grading, roadway grading, storm drains, utilities, street improvements, reinforcement, concrete placement, shotcrete placement, grout placement, asphalt paving, managing technicians.

I-405 Sepulveda Pass Widening Project-Los Angeles
Lead QA Inspector: Mr. Faulstick was the Lead Inspector during the widening of the I-405 Freeway. Responsibilities included ensuring that the inspection and testing for the project were completed in accordance with Caltrans and LA City specifications, testing frequencies, overseeing the day to day construction quality and providing testing documentation, daily reports. Professional working relationships with Caltrans, LA City, Kiewit staff. Specific inspection tasks included roadway, MSE walls, CIDH, solid columns, bridge abutments, approach slabs, barrier slabs, barrier walls, retaining walls, sound walls, mass grading, roadway grading, tieback/soil nail walls, MBGR, storm drains, utilities, reinforcement, concrete placement, shotcrete placement, grout placement, street improvements, asphalt paving, managing technicians.

Pine Tree Wind Turbine Project-LADWP, Mojave
Lead QA Inspector: Mr. Faulstick was the Lead Inspector during construction of the wind turbine project. Responsibilities included ensuring that the inspection and testing were completed in accordance with LADWP specifications, testing frequencies, overseeing the day to day construction quality and providing testing documentation, daily reports. Professional working relationships with LADWP, Kiewit staff. Specific inspection tasks included concrete foundations, rock anchors, CIDH, bridge deck, mass grading, roadway grading, storm drains, utilities, reinforcement, concrete placement, grout placement, concrete and grout sampling, soils testing.

Ben P. Graubard

Senior Inspector

Mr. Ben Graubard has a total of 14 years of construction and infrastructure experience on various airport and roadway projects throughout California. His experience ranges from Quality Control, (various districts), to Quality Assurance Representing the California Department of Transportation in District 8. Ben's responsibilities have ranged from the testing and inspection of concrete. Inspection of grade, installation of reinforcement, and the placement of concrete.

Education:
B.A., California State University Fullerton

10-hour OSHA Health and Safety Course

Certifications:
ICC Reinforced Special Inspector
ICC Prestressed Concrete Special Inspector
ACI Concrete Field Testing Technician Grade 1
ACI Aggregate Testing Technician –Level 1
ACI Concrete Laboratory Testing Technician – Level 1 ACI Concrete Testing Technician – Level 2
Cal Trans Quality Control Manager
California Test Methods: CT105, CT125, 201, ,217, 226,227,504,518, 521,523,524,533,539, 540,556 and 557

Register Special Inspector, County of Orange

Specific Project Experience

South Airfield Improvement Project-Los Angeles World Airports, Taxiway S, Cross Field Taxiway project and Runway 7R-25L
Senior Inspector: Mr. Graubard was the Inspector for the new 75-foot wide center taxiway, Runway 7R-25L. The project included the replacement of the runway pavement, navigational and visual aids, and other associated site work such as utilities, lighting, signage, grading, drainage and structural improvements over the Sepulveda Tunnel. Mr. Graubard performed Quality Control Inspection in all aspects of demolition, subgrade preparation, underground utility installation, lane preparation of PCP paving, lane reinforcement inspection, airfield stripping and batch plant inspection.

John Wayne Airport Taxiway Resurfacing-County of Orange
Inspector: Mr. Graubard was the Inspector for the resurfacing of the most heavily used portion of Runway 19R/1L. A 54-foot section in the middle of the runway was resurfaced. Mr. Graubard inspected and testing concrete placement, fabrication, testing, and stripping.

Big Bear Airport-Big Bear City
Inspector: Mr. Graubard was the Inspector for the resurfacing of a portion of Big Bear Airport. Mr. Graubard performed reinforcement inspection and concrete sampling of the Portland Cement Concrete.

Santa Monica Airport-Santa Monica
Inspector: Mr. Graubard was the Inspector for the resurfacing of a portion of Santa Monica Airport. Mr. Graubard performed reinforcement inspection and concrete sampling of the Portland Cement Concrete.

Airfield Improvements-Naval Airstation, North Island Coronado
Senior Inspector: Mr. Graubard was the Senior Inspector for the improvements to the Airfield at the Naval Base in Coronado. Mr. Graubard performed reinforcement inspection and concrete sampling of the Portland Cement Concrete.

Widening of the I-405 Freeway-Orange County
Senior Inspector: Mr. Graubard is a Senior Inspector for the Quality Verification materials testing and inspection during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. The testing and inspection services include a review of concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing.

I-5 Castaic Rehabilitation Project-Castaic to Palomas Bridge Wash, Santa Clarita
Senior Inspector: Mr. Graubard was a Senior Inspector for the removal and replacement of the existing pavement from the I-5/SR 14 Interchange north for 15.8 miles. This 15.8-mile Caltrans project consisted of constructing new north and south lanes. Testing and inspections included roadway/concrete excavation, aggregate base, lean concrete, base, asphalt, concrete paving, rapid set lean concrete base, precast concrete panels.

Interstate 10 Carpool Lane-Puente Ave to Route 57-Los Angeles County
Senior Inspector: Mr. Graubard was a Senior Inspector for the 9-mile extension (both directions), a total of 18 miles, of the existing I-10 High Occupancy Vehicle (HOV) lanes from SR 605 to SR 57 in Los Angeles County. Mr. Graubard coordinated the concrete testing and sampling for this project.

LA Stadium Performance Venue-Inglewood
Senior Inspector: Mr. Graubard was a Senior Inspector for the 70,000-seat open-air SoFi Stadium and measures 3.1 million square feet. Mr. Graubard performed inspection on reinforcement inspection on the stadium and on the surrounding perimeter walls. He also verified materials used and the sampled of concrete for testing.

Greg Astran

Inspector

Mr. Greg Astran has over 20 years of experience in the construction industry, including 9 years of inspection experience. His experience includes both laboratory and field testing of concrete, rebar, soils and concrete asphalt. Mr. Astran is proficient with ASTM, Cal Trans, California Department of Water Resources, San Diego County Water Authority, OSHPD, and various other public agencies' testing and project specifications.

Education:
B.A. Political Science California State University San Bernardino

Certifications:
Certified Nuclear Gauge Operator
American Concrete Institute Field Technician Grade I
Caltrans Certifications: CA 125AGG, CA 125PCC, CA 216, CA 231
Operating Engineers Local 12 6000 Hour Apprenticeship Program – State of CA Certified Public Works Inspection Coursework 15 Units Rancho Santiago College

Specific Project Experience

Widening of the I-405 Freeway-Orange County
Inspector: Mr. Astran is an inspector during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. Mr. Astran performs inspection and testing of soils and grading, foundations, subgrade, and concrete.

Westchester High School-Los Angeles
Inspector: Mr. Astran was the Inspector for the ADA Upgrades at Westchester High School for LAUSD. Testing and inspections included welding inspections and shop welding.

Desalinization Plant and Pipelines-Carlsbad
Lead Inspector: Mr. Astran was the inspector during construction of the largest desalinization plant in the United States. The plant and associate piping were to enhance the water supply for San Diego County. Mr. Astran performed materials testing and inspection for soils, compaction, concrete and verified the line and grade of the pipeline during installation.

Kaiser Permanente Fontana Replacement Hospital-Fontana
Lead Inspector: Mr. Astran was the inspector during construction of the 490,000 square foot hospital which included the main hospital, tower building, central chiller plant, medical office building, SCE substation, and parking. Mr. Astran performed materials testing and inspection for soils, grading, fine grading, utilities, asphaltic concrete, permeable concrete parking, and retaining walls.

Daniel Jimenez, Jr.

Lead Inspector

Mr. Jimenez is a special inspector with the ability to coordinate multiple tasks and inspections at the same time. He has many years of experience with on-site inspecting, having over 18 years of experience. He has worked as a Senior Inspector coordinating inspections on major projects and specializes in welding inspection and steel fabrication for structural elements, high pressure vessels and piping. Mr. Jimenez is also certified level II Ultrasound Testing and Magnetic Particle Level II for full penetration welding.

Certifications:
ACI – Field Technician; ICC Reinforced Concrete, Structural Welding, Master of Special Inspection, Structural Steel & Welding, Structural Steel and Bolting, Spray Applied Fire Proofing, Structural Masonry; AWS-CWI; NDT Ultrasound Testing Level II, Magnetic Particle Level II, Ultrasonic Phased Array Level II, San Diego City Cert Concrete/Masonry/Welding/Fireproofing; CT 504, 518, 539, 540, 543, 556, 557
OSHA 10hr
Fall protection
Scaffold Hazard Awareness
Confined Spaces

Specific Project Experience

Widening of the I-405 Freeway-Orange County
Lead Inspector: Mr. Jimenez is the senior welding inspector during widening of the I-405 Freeway between Euclid Street and the I-605 Freeway, a total of 16 miles, for OCTA and Caltrans. The widening project includes construction of new lanes on the southbound and northbound sides, retaining walls, bridges, etc. Performing all the welding inspection for the underground water ties and rerouting and for the water lines in the cities of Huntington Beach, Westminster, Fountain Valley, and Costa Mesa.

University of California-Irvine
Lead Inspector: Mr. Jimenez was the senior welding inspector during underground pipe replacements on the Irvine Campus. The pipe installation included new chilled and hot water lines for numerous UCI buildings such as the Student Center, Cogent, Art, Stem Cell, etc. The pipe diameters ranged from 8 inches to 36 inches in diameter and were welded with Butt Welds 60-degree single vee open root. Nondestructive testing was also performed for all hot high-pressure pipes.

Lane Field-San Diego
Lead Inspector: Mr. Jimenez was the lead inspector during construction of a new 22-story hotel resort and retail center as part of the redevelopment of Lane Field. Performed inspection of welding, bolting, reinforced concrete, and fireproofing. Mr. Jimenez has also performed nondestructive testing for this project.

University Town Center Westfield Mall-La Jolla
Lead Inspector: Mr. Jimenez was the lead inspector during construction of a remodeled shopping mall, anew trolley line, and new office space and parking structure. Mr. Jimenez was responsible for coordinating and assigning tasks, elevating issues, and communicating with contractor. Performed inspection of welding, reinforced concrete, masonry, bolting, fireproofing and also performed nondestructive testing.

Dustin Sexton

Special Inspector

Mr. Dustin Sexton has over 25 years of experience as a welding inspector for multiple projects throughout California. His experience includes school projects, lift stations and telecommunications facilities.

Education:
AWS/CWI Certification
Riverside Community College

Professional Certifications:
AWS Welding Inspector
City of Long Beach Structural Steel and Welding
County of Los Angeles Structural Steel and Concrete
ICC Master of Structural Inspection
ICC Structural Steel and Concrete
ICC Structural Welding
ICC Structural Steel and Bolting
ICC Spray-Applied Fireproofing
CWI Welding
City of Los Angeles Welding

Specific Project Experience

MacClay Wellness Center, Charles MacClay Middle School, Pacoima
Inspector: Mr. Sexton was the inspector for the new single-story steel frame building with concrete foundations. Mr. Sexton performed concrete inspection and testing and inspections at the batch plant.

BHS, Los Angeles Interoperative Regional Communications Systems-South LaBrea Avenue, Los Angeles County
Inspector: Mr. Sexton was the inspector during construction of a 120-foot high three-legged tower, and concrete support slabs for equipment cabinets, a generator and fuel tank which was part of the new emergency communications system for Los Angeles County. Mr. Sexton performed inspections and materials testing for grading, soils, foundations, concrete, and steel fabrication.

San Lorenzo Lift Station-Santa Ana
Inspector: Mr. Sexton was the inspector during construction of the new lift station for the City of Santa Ana. Mr. Sexton performed inspections and materials testing for grading, soils, aggregate sampling, and batch plant inspections.

UCLA Factor Building, Los Angeles Interoperative Regional Communications Systems-Tiverton Avenue, Los Angeles County
Inspector: Mr. Sexton was the inspector during placement of new telecommunications antennae mounted on the existing structure and a new equipment shelter on a concrete support slab which was part of the new emergency communications system for Los Angeles County. Mr. Sexton performed inspections and materials testing for welding, concrete, bolts, and anchors.

Second Street Elementary School Upgrades-Los Angeles
Inspector: Mr. Sexton was the inspector during upgrades of the existing school campus. Mr. Sexton performed inspections of the rebar during construction.

Tariq Abdullah

Laboratory Manager

Education:
Karachi University, Pakistan. B.S. Geologic Science, 1988.

Professional Certifications:
ACI
Caltrans
NICET

Mr. Tariq Abdullah has over 20 years of experience in the field and in laboratory testing of construction materials such as concrete, steel, asphalt, and soils. Tariq is experienced in conduction testing in accordance with ASTM, AASHTO and Caltrans. Mr. Abdullah is proficient in conducting sieve analysis, testing of asphalt concrete using Marshall Max, specific gravity (Rice), ignition method for extraction/gradation, flow stability and moisture content from microwave oven methods. He is adept in the use of Hveem method for stability and paraffin max density for specific gravity at 25 degrees Celsius. Tariq has also tested and fabricated concrete cylinders, mortars, prisms, masonry cores and grout samples to determine concrete strength through use of the compressive strength machine; and is proficient in the laboratory testing of soil including moisture content, plasticity index, expansion, particle size analysis, R-Value, direct shear, consolidation, etc. Mr. Abdullah is also experienced in the testing and inspection of soil and asphalt during grading.

Specific Project Experience

Roadway Construction at Pacific Coast Highway and Alameda-Long Beach
Laboratory Manager: Mr. Abdullah performed laboratory testing including wet density tests in accordance with Caltrans 216 test for roadway construction at Pacific Coast Highway and Alameda in Long Beach (Alameda Grade Separation).

Widening of Taxiway D, Bob Hope Airport-Burbank
Laboratory Manager: Mr. Abdullah performed laboratory testing for the widening of Taxiway D at Bob Hope Airport, Burbank. Testing included asphalt flow and stability (Marshall and Hveem), maximum specific gravity (Rice), bitumen extraction, bulk specific gravity, percent air voids, core density, asphalt extraction, R-value.

Street Rehabilitation-Anaheim
Laboratory Manager: Mr. Abdullah performed laboratory testing of asphalt, base and Portland cement concrete for City of Anaheim street projects in accordance with Caltrans procedures.

Repavement of the 710 Freeway-Los Angeles County
Laboratory Manager: Mr. Abdullah performed laboratory testing of asphalt for the I-710 repaving project in accordance with Caltrans procedures. Testing included asphalt flow and stability (Marshall and Hveem), maximum specific gravity (Rice), bitumen extraction, bulk specific gravity, percent air voids, core density, asphalt extraction, R-value.

I-5 Freeway Widening-Los Angeles County
Laboratory Manager: Mr. Abdullah performed laboratory testing of asphalt, concrete, and backfill for the I-5 Freeway widening and relocation at Alondra for Caltrans.

APPENDIX B

PROPOSED COSTS

Cost Break Down
Recycled Water Project-Phase 1
Testing and Special Inspection Services
AESCO Proposal No. P7287

Code	Item	$/Unit	Unit	Quantity	Total
P100	Principal Professional Engineer	$ 220.00	Hour	26	$ 5,720.00
P101	Senior Geotechnical Engineer	$ 205.00	Hour	26	$ 5,330.00
P102	Project Engineer / Manager	$ 175.00	Hour	104	$ 18,200.00
P103	Geologist	$ 185.00	Hour		$ -
P104	Quality Control Manager	$ 175.00	Hour	195	$ 34,125.00
P105	Senior Staff Engineer	$ 170.00	Hour		$ -
P116	Health and Safety Officer	$ 205.00	Hour		$ -
P115	LA City Deputy Methane Specialist	$ 150.00	Hour		$ -
P107	Laboratory Manager	$ 140.00	Hour		$ -
P108	Laboratory Technician	$ 115.00	Hour		$ -
P109	CADD Operator/Draftsperson	$ 95.00	Hour		$ -
P110	Data Processing, Technical Editing or Reproduction	$ 95.00	Hour		$ -
P111	Expert Witness Testimony	$ 465.00	Hour		$ -
P112	Certified Payroll, per hr.	$ 170.00	Hour		$ -
P113	Senior Staff Environmental Engineer	$ 170.00	Hour		$ -
P114	Senior Environmental Engineer	$ 205.00	Hour		$ -

Field Technician

Code	Item	$/Unit	Unit	Quantity	Total
T150	Special Inspector (Reinforced Concrete, Grading, Asphalt, Steel, Masonry, etc.)	$ 125.00	Hour	1300	$ 162,500.00
T169	NACE Coating Inspector	$ 150.00	Hour		$ -
T171	Nondestructive Examination Technician, UT, MT, LP	$ 130.00	Hour		$ -
T172	Structural Steel Fabrication Inspector (AWS)	$ 130.00	Hour		$ -
T177	Senior Environmental Technician	$ 140.00	Hour		$ -
T178	Environmental Technician	$ 150.00	Hour		$ -
T179	Building Inspector	$ 145.00	Hour		$ -

No Work Performed (Work Cancelled) — Minimum 2-hour Charge
All field services charge — Minimum 4 and 8-hour Charge Thereafter

Regular Work Hours
First 8 hours, Monday through Friday, between 5:00 a.m. to 5:00 p.m.
Direct Project expenses outside services will be charged at Cost + 15%.

Time and One-Half
Any increment past first 8 hours through 12 hours, Monday through Friday
First 12 hours on Saturday
Shift between 3:00 a.m. and 5:00 a.m.

Double Time
Any hours past 12 hours Monday through Saturday, all day Sunday and Federal Holidays

Field Analysis

Code	Item	$/Unit	Unit	Quantity	Total
G200	Soil Boring with Hollow Stem Auger Drilling Portal to Portal	$ 415.00	Hour		$ -
G201	Backfill Boreholes with Bentonite	$ 26.00	Foot		$ -
G202	Backfill Boreholes with Grout	$ 37.00	Foot		$ -
G203	Drumming and Disposal of Clean Cuttings	$ 410.00	Drum		$ -
G204	Fire Water Buffalo	$ 578.00	Day		$ -
G205	Support Truck	$ 158.00	Day		$ -
G206	Water Truck	$ 473.00	Day		$ -
G207	Mobilization and Demobilization for Rock coring	$ 1,208.00	Each		$ -
G208	Rock Coring	$ 478.00	Hour		$ -
G209	Decontamination of Vehicle and Equipment (Up to 100 miles)	$ 315.00	Each		$ -
G210	Field Resistivity, up to 3 arrays, maximum distance of 40 ft.	$ 1,890.00	Each		$ -
G211	Environmental Soil Boring with Hollow Stem Auger Portal to Portal	$ 446.00	Hour		$ -
G212	Environmental Soil Boring with Direct Push Portal to Portal	$ 399.00	Hour		$ -
G213	Environmental Groundwater Sampling with Grundfos, Portal to Portal	$ 289.00	Hour		$ -
G214	Environmental Analysis of soil for waste classification		Quote/Sample		$ -
G215	Environmental Analysis of liquid for waste classification		Quote/Sample		$ -
G216	Ground Resistance Tester (Four Point Method), plus travel	$ 1,700.00	Each		$ -
G217	Potholing, two-man crew	$ 600.00	Hour		$ -

Cost Break Down
Recycled Water Project-Phase 1
Testing and Special Inspection Services
AESCO Proposal No. P7287

Mix Design Review

Code	Item	$/Unit	Unit	Quantity	Total
D250	Review of Concrete Mix Design	$ 168.00	Each	4	$ 672.00
D251	Review of Grout Mix Design	$ 168.00	Each	2	$ 336.00
D252	Review of Mortar Mix Design	$ 168.00	Each	2	$ 336.00
D253	Review of Asphalt Mix Design	$ 210.00	Each	2	$ 420.00

Sample Pick-Up/Hold

Code	Item	$/Unit	Unit	Quantity	Total
	All hold samples are charged at the same rate as the testing rate				
U303	Technician for Specimen pick up, minimum 2 hours	$ 120.00	Hour	120	$ 14,400.00
U304	Vehicle (Up to 100 miles)	$ 75.00	Trip	100	$ 7,500.00

Field Equipment Charges

Code	Item	$/Unit	Unit	Quantity	Total
E350	Brass Mold	$ 21.00	Each		$ -
E351	Concrete Air Meter	$ 53.00	Day	10	$ 530.00
E352	Concrete Unit Weight (Scale, Bucket, Rod and Mallet)	$ 32.00	Day	30	$ 960.00
E353	Field Vehicle Usage (Up to 100 miles)	$ 74.00	Trip	120	$ 8,880.00
E354	Concrete/Asphalt Coring Equipment rental (min 4 hrs and 8 hrs after)	$ 200.00	Hour		$ -
E355	Fireproofing Adhesion/Cohesion	$ 21.00	Test		$ -
E356	Hand Auger Equipment	$ 131.00	Day		$ -
E357	Level D Personal Protective Equipment (PPE), per person	$ 42.00	Day		$ -
E358	Liquid Penetrating Consumables	$ 32.00	Day		$ -
E359	Magnetic Particle Equipment and Consumables	$ 42.00	Day		$ -
E360	Ultrasonic Equipment and Consumables	$ 68.00	Day		$ -
E361	Nuclear Density Gauge Usage	$ 19.00	Hour	40	$ 760.00
E362	Compaction Test, per location	$ 21.00	Test	100	$ 2,100.00
E363	Portable Concrete Laboratory-not including Technicians	$ -	Quote/Day		$ -
E364	Pachometer (Rebar Locator)	$ 58.00	Day	2	$ 116.00
E365	Environmental PID Usage	$ 200.00	Day		$ -
E366	Pull Test Equipment	$ 74.00	Day	6	$ 444.00
E367	Sand Cone Test Kit (Scale, Burner, Sand Cone Apparatus)	$ 179.00	Day		$ -
E368	Schmidt Hammer	$ 53.00	Day	2	$ 106.00
E369	Torque Wrench, Small	$ 21.00	Day		$ -
E370	Torque Wrench, Large	$ 37.00	Day	4	$ 148.00
E371	Torque Multiplier (Skidmore)	$ 95.00	Day		$ -
E372	Miscellaneous Equipment Charge	$ -	Quote Each		$ -
E373	Vapor Emission Kit	$ 58.00	Each		$ -
E374	Field Resistivity Meter	$ 240.00	Day		$ -
E375	Water Level Meter	$ 80.00	Day		$ -
E376	Environmental ph/Turbidity/Conductivity/Temp Meter	$ 110.00	Day		$ -
E377	Environmental FID Usage	$ 110.00	Day		$ -
E378	Environmental groundwater sampling pump	$ 215.00	Day		$ -
E379	XRF Lead Analyzer	$ 131.00	Day		$ -
E380	Relative Humidity	$ 74.00	Day		$ -
E381	GPR (Groud Penetrating Radar), for buried rebar in concrete	$ 90.00	Hour		$ -
E382	Load Cell for tension - Maximum 2,000 lb	$ 55.00	hour		$ -

Schedule of Fees for Laboratory Services

Concrete Tests

Code	Item	$/Unit	Unit	Quantity	Total
C400	6" x 12" Cylinder: Compression Strength (ASTM C39)	$ 37.00	Test	40	$ 1,480.00
C401	6" x 6" x 18" Flexural Beams Not Exceeding Referenced Size (ASTM C78, C293, or CTM 523)	$ 84.00	Test		$ -
C402	Cylinders: Splitting Tensile Strength (ASTM C496)	$ 84.00	Test		$ -
C403	Core Compression including Trimming (ASTM C39)	$ 53.00	Test	20	$ 1,060.00
C404	Coring of Test Panels in Lab	$ 26.00	Each		$ -
C405	Diamond Sawing of Cores or Cylinders (ASTM C642)	$ 26.00	Test		$ -
C406	Density, Absorption, and Voids in Hardened Concrete (ASTM C642)	$ 315.00	Test		$ -
C407	Modulus of Elasticity Static Test (ASTM C469)	$ 131.00	Test		$ -
C408	Unit Weight Including Lightweight Concrete	$ 68.00	Test	4	$ 272.00
C409	Drying Shrinkage Up to 28 Days: Three 3" x 3" or 4" x 4" Bars, Five Readings up to 28 Dry Days (ASTM C157)	$ 394.00	Test		$ -
C410	Additional Reading	$ 47.00	Set of 3 Bars		$ -
C411	Storage Over Ninety (90) Days	$ 37.00	Set of 3 Bars/Month		$ -
C435	Coefficient of Thermal Expansion of Concrete (CRD 39, AASHTO T336)	$ 840.00	Test	2	$ 1,680.00

Cost Break Down
Recycled Water Project-Phase 1
Testing and Special Inspection Services
AESCO Proposal No. P7287

Code	Item	$/Unit	Unit	Quantity	Total
C436	Compression Test (ASTM C495 and C472)	$ 47.00	Test	40	$ 1,880.00
C437	Air Dry Density (ASTM C472)	$ 37.00	Test		$ -
C438	Oven Dry Density (ASTM C495)	$ 63.00	Test		$ -
C439	Sample Trimming in the lab, up 6" diameter	$ 21.00	Test	8	$ 168.00

Concrete Block, ASTM C140

Code	Item	$/Unit	Unit	Quantity	Total
C412	Compression (3 Required Per ASTM)	$ 63.00	Each		$ -
C413	Absorption/Moisture Content/Oven Dry Density (3 Required per ASTM)	$ 95.00	Each		$ -
C414	Linear/Volumetric Shrinkage (ASTM C426)	$ 105.00	Test		$ -
C415	Web and Face Shell Measurements	$ 47.00	Test		$ -
C416	Tension Test	$ 179.00	Test		$ -
C417	Core Compression	$ 58.00	Test		$ -
C418	Shear Test of Masonry Cores: 2 Faces	$ 95.00	Test		$ -
C419	Efflorescence Test (3 Required), each	$ 58.00	Test		$ -

Laboratory Trial Batch: Cement, Concrete, Grout and Mortar

Code	Item	$/Unit	Unit	Quantity	Total
L450	All trial batch for cement, concrete, grout, mortar, etc		Quote Each		$ -

Brick Masonry Tests

Code	Item	$/Unit	Unit	Quantity	Total
M500	Modulus of Rupture: Flexural (5 Required Per ASTM), each	$ 58.00	Test		$ -
M501	Compression Strength (3 Required Per ASTM), each	$ 53.00	Test		$ -
M502	Absorption: 5 Hour or 24 Hour (5 Required), each	$ 53.00	Test		$ -
M503	Absorption (Boil): 1, 2, or 5 Hours (5 Required), each	$ 84.00	Test		$ -
M504	Initial Rate of Absorption (5 Required), each	$ 42.00	Test		$ -
M505	Efflorescence (5 Required), each	$ 89.00	Test		$ -
M506	Core: Compression, each	$ 74.00	Test		$ -
M507	Shear Test on Brick Core: 2 Faces, each	$ 95.00	Test		$ -

Masonry Prisms

Code	Item	$/Unit	Unit	Quantity	Total
M508	Compression Test: Composite Masonry Prisms Up To 8" x 16"	210	Test		$ -
M509	Compression Test: Composite Masonry Prisms Larger Than 8" x 16"	305	Test		$ -
M510	Masonry: Cutting of Cubes or Prisms	74	Test		$ -

Mortar and Grout

Code	Item	$/Unit	Unit	Quantity	Total
M511	Compression: 2" x 4" Mortar Cylinders	47	Test		$ -
M512	Compression: 3" x 3" x 6" Grout Prisms, Includes Trimming	63	Test		$ -
M513	Compression: 2" Cubes (ASTM C109)	63	Test		$ -
M514	Compression: Cores (ASTM C42)	63	Test		$ -
M515	Mortar Expansion (ASTM C806)	315	Test		$ -

Fireproofing Tests

Code	Item	$/Unit	Unit	Quantity	Total
F550	Oven Dry Density	79	Test		$ -
F551	Adhesion/Cohesions Testing, per hour, 4 hour minimum	126	Test		$ -

Gunite and Shotcrete Tests

Code	Item	$/Unit	Unit	Quantity	Total
C420	Core Compression Including Trimming (ASTM C42)	63	Test		$ -
C421	Compression 6" x 12" Cylinders	37	Test		$ -
C422	Compression: Cubes	42	Test		$ -

Cost Break Down
Recycled Water Project-Phase 1
Testing and Special Inspection Services
AESCO Proposal No. P7287

Soils and Aggregate Tests

Code	Item	$/Unit	Unit	Quantity	Total
S600	Atterberg Limits/Plasticity Index (ASTM D4318)	$ 147.00	Test	10	$ 1,470.00
S601	Chloride and Sulfate Content (CTM 417, CTM 422)	$ 152.00	Test		$ -
S602	Consolidation, Full Cycle (ASTM 2435, CTM 219)	$ 289.00	Test		$ -
S603	Cleanness Value: 1" x #4 (CTM 227)	$ 194.00	Test	8	$ 1,552.00
S604	Cleanness Value: 2.5" x 1.5" or 1.5" x .75" (CTM 227)	$ 310.00	Test	4	$ 1,240.00
S605	Corrosivity Series: Sulfate, Cl, pH (CTM 643 and 417)	$ 210.00	Test	6	$ 1,260.00
S606	Lab Resistivity	$ 131.00	Test	2	$ 262.00
S607	Direct Shear Test (ASTM D3080)	$ 268.00	Test		$ -
S608	Direct Shear Test, per point	$ 116.00	Test		$ -
S609	Direct Shear Test Sample Remolding (ASTM D3080)	$ 47.00	Test		$ -
S610	Durability Index Fine Aggregate	$ 168.00	Test		$ -
S611	Expansion Index (ASTM D4829, UBC 18-2)	$ 163.00	Test		$ -
S612	Durability Index: Coarse Aggregate	$ 168.00	Test		$ -
S613	Maximum Density: Methods A/B/C (ASTM D1557 or D698, CTM 216)	$ 194.00	Test	10	$ 1,940.00
S614	Maximum Density: Check Point abrasion (ASTM D1557)	$ 79.00	Test		$ -
S615	Maximum Density: AASHTO C (Modified) (AASHTO T-180)	$ 210.00	Test		$ -
S616	Moisture Density Rock Correction	$ 168.00	Test		$ -
S617	Moisture Content (ASTM D2216, CTM 226)	$ 26.00	Test	10	$ 260.00
S618	Density: Ring Sample (ASTM D2937)	$ 32.00	Test		$ -
S619	Density: Shelby Tube Sample (ASTM D2937)	$ 58.00	Test		$ -
S620	Organic Impurities (ASTM C40)	$ 100.00	Test		$ -
S621	Failing Head Permeability (ASTM D2434)	$ 263.00	Test		$ -
S622	R-Value: Soil (ASTM 2844)	$ 373.00	Test	2	$ 746.00
S623	R-Value: Aggregate Base (ASTM D2844)	$ 373.00	Test	1	$ 373.00
S624	Sand Equivalent (ASTM D2419, CTM 217)	$ 137.00	Test	10	$ 1,370.00
S625	Soil Classification (ASTM D2487)	$ 37.00	Test	10	$ 370.00
S626	Sieve #200 Wash Only (ASTM D1140)	$ 100.00	Test	10	$ 1,000.00
S627	Sieve with Hydrometer: Sand to Clay (ASTM D422)	$ 305.00	Test		$ -
S628	Sieve Analysis including Wash (ASTM C136)	$ 179.00	Test		$ -
S629	Sieve Analysis Without Wash	$ 126.00	Test	4	$ 504.00
S630	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 202)	$ 100.00	Test		$ -
S631	Specific Gravity and Absorption: Fine(ASTM C128, CTM 207)	$ 168.00	Test		$ -
S632	Swell/Settlement Potential: One Dimensional (ASTM D4546)	$ 173.00	Test		$ -
S633	Unit Weight Coarse Aggregate	$ 84.00	Test		$ -
S634	Unit Weight Fine Aggregate	$ 84.00	Test		$ -
S635	Voids in Aggregate (ASTM C29)	$ 95.00	Test		$ -
S636	Unconfined Compression (ASTM D2166, CTM 221)	$ 105.00	Test		$ -
S637	LA Rattler	$ 205.00	Test		$ -
S638	pH of soil	$ 26.00	Test		$ -
S639	Pocket Penetration Test	$ 11.00	Test		$ -

Asphalt Concrete Tests

Code	Item	$/Unit	Unit	Quantity	Total
A650	Asphalt Core Density	$ 63.00	Test		$ -
A651	Extraction % AC by Ignition Oven (CTM 382)	$ 184.00	Test	4	$ 736.00
A652	Gradation on Extracted Asph (ASTM D6507 andD5444, CTM 202, and CTM 382)	$ 105.00	Test		$ -
A653	Moisture Content (CTM 370)	$ 79.00	Test		$ -
A654	Maximum Theoretical Specific Gravity (RICE) (ASTM D2041, CTM 309)	$ 168.00	Test	2	$ 336.00
A655	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 206)	$ 95.00	Test		$ -
A656	Specific Gravity and Absorption: Fine (ASTM C128, CTM 207)	$ 168.00	Test		$ -
A657	Sieve Analysis (ASTM D5444 and C136)	$ 100.00	Test		$ -
A658	Sieve Analysis with Wash (ASTM D5444)	$ 147.00	Test		$ -
A659	Sand Equivalent (ASTM D2419)	$ 142.00	Test		$ -
A660	5 pt LTMD Bulk Specific Gravity (CTM 308, CTM 375)	$ 299.00	Test		$ -
A661	Flat and Elongated Particles (ASTM D4791)	$ 221.00	Test		$ -
A662	Fine Aggregate Angularity (AASHTO T304 A)	$ 205.00	Test		$ -
A663	Maximum Density HVEEM (ASTM D1560)	$ 221.00	Test		$ -
A664	Maximum Density Marshall (ASTM D1559 and D561)	$ 221.00	Test		$ -
A665	Mix Stability (CTM 304)	$ 221.00	Test		$ -
A668	Wet track Abrasion Loss (ASTM D3910), each	$ 184.00	Test		$ -
A669	Extraction % of Emulsion (ASTM D6307)	$ 163.00	Test		$ -
A670	Slurry seal field consistency test (ASTM D3910)	$ 89.00	Test		$ -

Cost Break Down
Recycled Water Project-Phase 1
Testing and Special Inspection Services
AESCO Proposal No. P7287

Reinforcing Steel

Code	Item	$/Unit	Unit	Quantity	Total
R700	Bend Test: #11 or Smaller	$ 68.00	Test	$	-
R701	Bend Test: Larger Than # 11	$ 100.00	Test	$	-
R702	Tensile Test: # 11 or Smaller	$ 89.00	Test	$	-
R703	Tensile Test: # 14	$ 121.00	Test	$	-
R704	Tensile Test: # 18	$ 300.00	Test	$	-
R705	Slippage Test In Addition to Tensile Test (Per Caltrans 52-1.08C)	$ 350.00	Test	$	-
R706	Tensile Test: Mechanical Splice # 11 and Smaller	$ 130.00	Test	$	-
R707	Tensile Test: Mechanical Splice # 14	$ 180.00	Test	$	-
R708	Tensile Test: Mechanical Splice # 18	$ 350.00	Test	$	-
R709	Tensile Test: Welded # 11 and Smaller	$ 90.00	Test	$	-
R710	Tensile Test: Welded # 14	$ 130.00	Test	$	-
R711	Tensile Test: Welded # 18	$ 300.00	Test	$	-
R712	Sample Straightening for Bend or Tensile Test (if required)	$ 65.00	Test	$	-
R713	Testing Multi-Wire Steel Prestressing Strand	$ 350.00	Test	$	-
R714	Tensile Test: T-Head #11 and Smaller	$ 160.00	Test	$	-
R715	Tensile Test: T-Head #14	$ 210.00	Test	$	-
R716	Tensile Test: T-Head #18	$ 300.00	Test	$	-
R717	Tensile Test: Welded Hoops # 11 and Smaller	$ 130.00	Test	$	-
R718	Tensile Test: Welded Hoops # 14	$ 180.00	Test	$	-

Metal Testing

Code	Item	$/Unit	Unit	Quantity	Total
R714	Hardness Test (Rockwell) and Brinnel (ASTM E18)	$ 79.00	Test	$	-
R715	Hardness Test of Nuts	$ 89.00	Test	$	-
R716	Hardness Test of Bolts	$ 105.00	Test	$	-
R717	Hardness Test of Washers	$ 89.00	Test	$	-

Concrete Coring Services

Code	Item	$/Unit	Unit	Quantity	Total
C423	Equipment Concrete (4 and 8 hour minimum)	$ 210.00	Hour	$	-
	Individual Core Prices (all prices are for a four core minimum job):	$ -			
C424	Slab on Grade Coring for 2",3" and 4" Diameter (first 6" depth) each	$ 74.00	Test	$	-
C425	Slab on Grade Coring for 6" and 8" Diameter (first 6" depth) each	$ 79.00	Test	$	-
C426	Slab on Grade Concrete Core (price per inch after 6" depth)	$ 11.00	Test	$	-
C427	Wall Cores 2",3" and 4" (first 6" in depth) each	$ 89.00	Test	$	-
C428	Wall Concrete Core (price per inch after 6" in depth), per inch (Wall core pries based on Contractor supplying access to area to be cored)	$ 11.00	Inch	$	-
	Miscellaneous Concrete Coring Prices:	$ -		$	-
C429	Patching Slab on Grade Cored Holes with 2500 psi Concrete Patch, each	$ 21.00	Test	$	-
C430	Thickness Determination per ASTM C42, each	$ 21.00	Test	$	-
C431	Compression Strength Determination	$ 68.00	Test	$	-

Asphalt Concrete Coring Services

Code	Item	$/Unit	Unit	Quantity	Total
	Alternate Individual Core Prices (all prices are for a four core minimum job):				
A661	Asphaltic Concrete Cores 2",3" and 4" Diameter (First 6" in depth), each	$ 74.00	Test	$	-
A662	Asphaltic Concrete Cores 6" and 8" Diameter (First 6" in depth), each	$ 74.00	Test	$	-
A663	Asphaltic Concrete Cores price per inch after 6" in depth, each	$ 11.00	Test	$	-
	Miscellaneous Asphaltic Coring Prices:				
A664	Patching of Core Drilled Holes Using Cold Patch Material, each	$ 32.00	Test	$	-
A665	Thickness Determination per ASTM C42, each	$ 37.00	Test	$	-
A666	Specific Gravity for Determination of Percent Compaction per ASTM D 2726, each	$ 47.00	Test	$	-
A667	Specific Gravity for Determination of Percent Compaction by Paraffin, each	$ 68.00	Test	$	-

Total Estimated Budget	**$**	**283,542.00**

APPENDIX C

ADDITIONAL REFERENCES

ADDITIONAL REFERENCES

Client:	County of Orange Department of Public Works
Contact:	Mr. Erik Nelson, Project Manager III
Address; Phone No.:	1143 East Fruit Street, Building 1, Santa Ana, CA 92701; (657) 247-1298
Email:	erik.nelson@ocpw.ocgov.com
Dates:	2015-present

Client:	City of Santa Ana
Contact:	Mr. Tyrone Chesanek, Senior Civil Engineer
Address; Phone No.:	20 Civic Center Plaza, Santa Ana, CA 92702; (714) 647-5045
Email:	TChesanek@santa-ana.org
Dates:	2011-present

Client:	City of Anaheim
Contact:	Mr. Jake Hester, P.E., Water Engineering and Design Manager
Address; Phone No.:	201 South Anaheim Boulevard, 6th Floor, Anaheim CA 92805; (714) 765-4421
Email:	jhester@anaheim.net
Dates:	2017-present

Client:	Fountain Valley Unified School District
Contact:	Mr. Joe Hastie, Director of Maintenance and Operations
Address; Phone No.:	10055 Slater Avenue, Fountain Valley, CA 92708; (714) 231-2229
Email:	hastiej@fvsd.us
Dates:	2018-present

ITEM 6.3
RESOLUTION

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Beverli A. Marshall, General Manager**
SUBJECT:	**Adopt Resolution No. 2022-1172 Honoring Director Dennis Coleman for His Dedication and Service to Valley Sanitary District**

Suggested Action
Approve

Strategic Plan Compliance
GOAL 6: Improve Planning, Administration and Governance

Fiscal Impact
There is no fiscal impact.

Environmental Review
This is not a project as defined by CEQA.

Background
The Board of Directors of Valley Sanitary District wish to recognize and express appreciation for Director Dennis Coleman's outstanding service as a member of the Valley Sanitary District Board of Directors.

Recommendation
It is recommended that the Board of Directors approve Resolution No. 2022-1172 honoring Director Dennis Coleman for his dedication and service to Valley Sanitary District.

Attachments
RES 2022-1172 Honoring Dennis Coleman.doc

RESOLUTION NO. 2022-1172

A RESOLUTION OF THE BOARD OF DIRECTORS OF VALLEY SANITARY DISTRICT HONORING DENNIS COLEMAN

WHEREAS, the Board of Directors of Valley Sanitary District wish to recognize the outstanding service of Dennis Coleman; and

WHEREAS, the Board of Directors of Valley Sanitary District wish to recognize that Dennis Coleman served as a dedicated member of the Valley Sanitary District Board of Directors from 2017 to 2022; and

WHEREAS, the Board of Directors of Valley Sanitary District wish to recognize and express appreciation for the commitment and efforts of Dennis Coleman on behalf of the Valley Sanitary District Board of Directors; and

THEREFORE, BE IT RESOLVED by the Board of Directors of Valley Sanitary District that a copy of this resolution be recorded in the permanent minutes of this Board.

PASSED, APPROVED, and **ADOPTED** this 22nd day of November, 2022, by the following roll call vote:

AYES:
NAYES:
ABSENT:
ABSTAIN:

_____
Scott Sear, President

ATTEST:

_____
Holly Gould, Clerk of the Board

ITEM 6.4
ACTION

Valley Sanitary District

DATE: November 22, 2022

TO: Board of Directors

FROM: Beverli A. Marshall, General Manager

SUBJECT: Adopt Valley Sanitary District Legislative Advocacy Guidelines

---

Suggested Action
Approve

Strategic Plan Compliance
GOAL 6: Improve Planning, Administration and Governance

Fiscal Impact
There is no fiscal impact in adopting the recommended Guidelines.

Background

Townsend Public Affairs recommends that the District discuss and then adopt a Legislative Advocacy Guidelines that can be used as a guide for the Board, staff, and the consultant regarding taking positions on current or future legislative issues that could have an impact on the District's operations.

Based on the water and wastewater industry, District projects, and local issues, the consultant has created a Guidelines for the Board's consideration. The document was presented to the Community Engagement Committee. The Committee agreed with the draft language.

Recommendation
Staff recommends that the Board of Directors adopt the Valley Sanitary District Legislative Advocacy Guidelines.

Attachments
Attachment A Legislative Guidelines 2023.pdf

VALLEY SANITARY DISTRICT
45500 Van Buren Street
Indio, CA 92201

LEGISLATIVE ADVOCACY GUIDELINES
2023

I. PURPOSE

This purpose of this document is to guide Valley Sanitary District in how it actively engages with legislation through monitoring and communications activities. The 2023 VSD Legislative Guidelines represents the District's position on current or future issues that have the potential to impact the District or its interests.

Below are the Guiding Principles and Policy Statements that will allow District staff and consultants to address 2023 legislative and regulatory issues in a timely manner, without precluding the consideration of additional legislative and budget issues that may arise during the legislative session.

Furthermore, the 2023 Legislative Guidelines is an important advocacy tool to present and deliver to elected officials who represent the VSD service area locally or in Sacramento and Washington D.C. Sharing policy statements and positions on common legislative and regulatory issues with elected officials helps to shape elected official's policy decisions and positions VSD to be a leader in the community for legislative and regulatory topics.

II. PROCESS / PROCEDURES

A. Staff and consultants will track bills and proposed regulations of greatest interest to VSD, particularly those that fall within the goals and objectives identified by the Board and included in this plan. Staff and consultants will monitor bills and proposed regulations being watched by similar agencies within our region (City of Coachella, Coachella Valley Water District, Indio Water Authority,) as well as state, federal, and national associations such as California Association of Sanitation Agencies (CASA), Southern California Alliance of Publicly Owned Treatment Works (SCAP), California Special Districts Association (CSDA), California Water Environment Association (CWEA), League of California Cities (LOCC), American Water Works Association (AWWA), and National Association of Clean Water Agencies (NACWA), and WateReuse.

B. For those bills and proposed regulations that are being tracked and where there is clear policy direction stated in the Board-adopted Legislative Platform, District staff can send letters with the Board President's signature to

legislators and regulators and give direction to lobbyists/consultants to advocate that position.

C. When an issue is not urgent, all legislative letters will be hand-signed by the Board President or Vice-President. If a matter is urgent, staff may use the electronic signature, so long as a clear policy direction exists, and the General Manager or Designee approves the letter. In the event that staff uses the Board President's or Vice President's signature, staff will notify the Board President or Vice President immediately as well as inform the full Board of Directors at the next regularly scheduled meeting.

D. When a bill does not fall within the scope of the Legislative Platform or is a controversial issue, staff will seek direction from the Board.

E. If a bill does not fall within the scope of the Legislative Platform, but the California Association of Sanitation Agencies (CASA), the California Special Districts Association (CSDA), the American Water Works Association (AWWA), the Southern California Alliance of Publicly Owned Treatment Works (SCAP) or the National Association of Clean Water Agencies (NACWA) has adopted a position, staff may follow this position but must inform the Board of such action at the next regularly scheduled meeting.

III. GUIDING PRINCIPLES

A. Promote Fiscal Stability
Seek funding opportunities for VSD projects through the identification of grants, appropriations, or other means. Support measures that promote fiscal stability, predictability, financial independence, and preserve the District's financial independence. Oppose measures that do not provide adequate funding to the District such as unfunded mandates or mandated costs with no guarantee of local reimbursement or offsetting benefits.

B. Preserve Local Control
Preserve and protect the District's powers, duties and prerogatives to operate within its service area and to determine the policy direction of local affairs and oppose legislation that preempts local authority. Local agencies should preserve authority and accountability for revenues raised and services provided.

C. Support Regulatory Streamlining
Support legislation that aims to streamline the regulatory environment by reducing redundant actions without affecting the District's ability to operate safely and effectively.

IV. LEGISLATIVE POSITIONS

A. Water Supply

- Support legislation that improves the supply and security of water to the Valley Sanitary District service area.

- Support legislation that aims to increase water recycling, potable reuse, groundwater recharge, storage, and surface water development.

- Support legislation and policies that provide for a solution to the problems in the Sacramento-San Joaquin River Delta that strikes a balance between environmental concerns and urban water needs.

- Support legislation or funding opportunities that support the development of local stormwater projects that capture and treat stormwater runoff to supplement water supplies.

- Support policies that encourage the development of plans that achieve multiple stormwater benefits including the removal of pollutants and potable or recycled water use for stormwater.

B. Water Quality

- Support legislation or policies to improve clarity and workability of CEQA.

- Oppose legislation or policies that add redundant water quality or environmental constraints to VSD or its partners.

- Support legislation and policies that streamline water quality and environmental regulations.

- Support legislation and funding that helps local agencies meet state and federal water quality standards.

- Oppose legislation that establishes strict water conservation and water use efficiency programs that unreasonably constrain VSD from providing safe and reliable wastewater treatment to its customers.

- Support legislation and regulation that provide for the development of the watershed approach, including watershed management plans and watershed-based permitting.

C. Water Use Efficiency

- Support measures that provide loans and grants to fund incentives for water conserving devices or practices.

- Support legislation and regulation that furthers the statewide goal of

increasing water use efficiency coupled with water conservation throughout the state.

- Oppose measures that fail to recognize augmented or alternative water supplies as an efficient use of water, or that fails to provide an adequate incentive for investments in such water, for potable or non-potable reuse.

- Support legislation focused on economically viable residential and commercial water use efficiency.

- Support measures to evaluate water quality standards, as needed, to ensure the objectives are appropriately protecting the designated use.

D. Environment

- Support legislation that aims to streamline and modernize the California Environmental Quality Act (CEQA).

- Oppose the imposition of statewide fees for environmental cleanup that is caused through private sector actions or are regional in nature (e.g., when the nexus between those responsible for environmental abuse and those required to pay for cleanup or mitigation is absent).

- Support approaches to reduce compliance costs associated with stormwater controls including the use of integrated plans.

- Monitor state and federal legislation and regulations related to PFAS substances.

- Support legislation that encourages strategic and beneficial water conservation and climate appropriate landscape development.

- Support the development of an integrated and diversified approach to facilitating the requirements set forth by the Endangered Species Act.

E. Organics And Biosolids

- Support legislation, regulations and policies that support the beneficial use of biosolids on agricultural lands, landscape, horticulture, California Healthy Soils Initiatives, mine reclamation, fire ravaged lands, superfund sites, brownfields, overgrazed lands, carbon sequestration and wetland restoration.

- Support the promotion and funding of local pilot programs, studies, and research for the beneficial use of biosolids.

- Oppose legislation, regulations, and policies that imposes unreasonable new rules, guidance or bans that restrict use of biosolids for land application in any region, county, or state without scientific basis.

- Support alternative energy legislation, regulation and policies that encourage use of biosolids as a renewable energy resource.

- Support streamlined legislation, regulations and policies that encourage the procurement of biogas, biosolids, and compost.

- Support CalRecycle, CARB, California Public Utilities Commission, (CPUC), California Energy Commission (CEC), California Department of Food and Agriculture (CDFA), and State Water Resources Control Board (SWRCB) accepting quality standards that allow wastewater treatment plants to inject biogas production into existing pipelines for renewable use.

- Support compost associations and local cities and agencies in education, market expansion activities, and meeting mandates to buy-back compost and other organics diverted from landfills.

- Limit redundant reporting requirements on organics, recyclable material, and solid waste.

- Support organic co-digestion and recycling projects.

F. Source Control

- Support statewide or targeted public education programs and initiatives that teach appropriate practices about disposal of fats, oils, and grease management.

- Support federal policies and legislation that regulates the disposal of flushable wipes to ensure clarity on the definition of “flushable”.

- Support legislation, regulations, and funding assistance would lead to decreased introduction of microplastics, and other chemicals of concern discharged into the sewer system.

- Support legislation and funding mechanisms that reduce the amount of trash, waste, chemicals, and harmful organic material that enter the sewer system.

- Support legislation that would create forever homes for forever chemicals.

- Support the reduction/elimination of Contaminants of Emerging Concern (e.g., PFAS) within consumer and commercial products.

G. Energy

- Support legislation that provides incentives and other funding for the purpose of energy conservation and efficiency efforts as well as other assistance to facilitate partnerships with the energy sector.

- Oppose legislation that increases the cost of electricity or other utilities for VSD or its partners.

- Support legislation and policies that recognizes hydroelectric power as a clean, renewable energy source and that its generation and use meet the greenhouse gas emission reduction compliance requirements called for in the Global Warming Solutions Act of 2006 (AB 32).

H. Fiscal

- Support the development of bond or general fund programs for water supply development, including new surface and groundwater storage, water quality, recycled water, and conservation-related programs.

- Oppose legislation that places unnecessary or unfair regulations on pension liabilities.

- Support an equitable approach to the disbursement of State Revolving Fund revenues for a wide variety of projects, including the fair distribution of funds regardless of economic status.

- Oppose legislation and regulations that tax water as a public goods charge and re-distributes the revenue throughout the State.

- Support state and federal revenue sources for water infrastructure projects that address water quality and reliability issues for disadvantaged and income-limited communities and residents that are not based upon regressive taxes.

- Support state and federal funding for water infrastructure projects that provide long-term benefits to the region and state and its inhabitants.

- Support the protection of local revenue for use by special districts and the maintenance of reserve accounts of water and wastewater agencies.

- Support efforts that seek to bring federal sources of funding to

California for water infrastructure development and energy efficiency measures through water management.

- Oppose the imposition of unfunded, mandated programs on local governments.

I. Local Control

- Oppose legislation that seeks to diminish or alter the authority of the Board of Directors to manage the District's wastewater systems or operations, impose unreasonable unfunded state mandated programs, or increase fees or taxes on VSD customers.

- Oppose legislation that would negatively affect VSD's authority in the area of public contracts, procurement, financial administration, public records, and human resources.

- Oppose legislation that would dissolve VSD or transfer its duties to other agencies.

- Oppose legislation that creates additional water or wastewater agencies within or inclusive of the VSD service area outside of the LAFCO process, or without the support of residents and local public agencies.

- Oppose legislation that would affect VSD's ability to protect and secure critical infrastructure from cyber or physical threats and damages.

- Oppose legislation that places mandates, or otherwise modifies the governance structure of special districts, joint powers authorities, or other local government entities.

- Support legislation that eliminates regulations between employees and employers that place un-due fiscal harm on special districts.

- Oppose legislation that mandates additional duties upon special districts to facilitate public meetings or transparency without funding

- Oppose legislation that prevent water agencies from recuperating sufficient revenues from connection and capacity fees and oppose legislation that restricts the ability of agencies to charge fees for services.

ITEM 6.5
ACTION

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Jeanette Juarez, Chief Administrative Officer**
SUBJECT:	**Discuss the Annual Employee Performance Bonus, Approve the Amount, and Authorize the General Manager to Implement the Program for 2022**

Suggested Action
Approve

Strategic Plan Compliance
GOAL 1: Fully Staffed with a Highly Trained and Motivated Team

Fiscal Impact
The total fiscal impact is $7,400, which is included in the adopted Budget for Fiscal Year 2022-23.

Environmental Review
This is not a project as defined by CEQA.

Background
It has been a long-standing tradition of the District to award an annual employee performance bonus via gift cards to all employees in December of each year. The purpose of the annual employee performance bonus is to engage employees, increase collaboration, and motivate employees to increase overall productivity.

This year Valley Sanitary District employees continued to emulate what it means to be an essential worker. The staff's commitment and continued ability to deliver high-quality results allow the District to progress and continue to be successful. This team understands the critical nature of the service it provides and the community it serves. The District's mission is clear, to serve the City of Indio and the surrounding communities by collecting, treating, and recycling wastewater to ensure a healthy environment and sustainable water supply. The continued dedication and forethought of this team is commendable.

Valley Sanitary District has proudly reached several milestones this past year including:

- California Water Environmental Association (CWEA) Colorado River Basin Section P3S Person of the Year – Ivan Monroy
- Government Finance Officers Association (GFOA) – Excellence in Financial Reporting
- GFOA – Distinguished Budget Presentation Award
- California Society of Municipal Finance Officers (CSMFO) – Operating Budget Meritorious Award

This performance bonus is a reward to the Valley Sanitary District employees for their achievements and continued dedication to the District.

Recommendation
Staff recommends that the Board of Directors discuss the annual employee performance bonus, approve the proposed amount of $200 per employee, and authorize the General Manager to implement the program for 2022.

ITEM 8.1
DISCUSSION

Valley Sanitary District

DATE:	**November 22, 2022**
TO:	**Board of Directors**
FROM:	**Holly Gould, Clerk of the Board**
SUBJECT:	**Discuss Draft Minutes for November 15, 2022, Regular Community Engagement Committee Meeting**

Suggested Action
Information

Strategic Plan Compliance
GOAL 6: Improve Planning, Administration and Governance

Fiscal Impact
There is no fiscal impact.

Environmental Review
This is not a project as defined by CEQA.

Background
Attached are the draft minutes of the Community Engagement Committee Meeting held on November 15, 2022.

Recommendation
Staff recommends that Board discuss the draft minutes of the regular Community Engagement Committee meeting held November 15, 2022.

Attachments
15 Nov 2022 Meeting Minutes.pdf

VALLEY SANITARY DISTRICT
COMMUNITY ENGAGEMENT COMMITTEE
REGULAR MEETING MINUTES
November 15, 2022

A meeting of the Valley Sanitary District (VSD) Community Engagement Committee was held at 45-500 Van Buren Street in Indio, California, on Tuesday, November 15, 2022.

1. CALL TO ORDER

Chairman Scott Sear called the meeting to order at 1:03 p.m.

2. ROLL CALL

Directors Present:
Chairperson Scott Sear
Committee Member Debra Canero

Staff Present:
Beverli Marshall, General Manager, and Holly Gould

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENT

This is the time set aside for public comment on any item not appearing on the agenda. Please notify the Secretary in advance of the meeting if you wish to speak on a non-hearing item.

None.

5. DISCUSSION / ACTION ITEMS

5.1 Approve Minutes for October 19, 2022, Special Committee Meeting

Committee member Canero motioned to approve the October 19, 2022, Community Engagement Committee Special Meeting minutes. Chairperson Sear seconded the motion. The motion carried unanimously.

5.2 Review and Discuss Proposals Submitted in Response to the Communication and Outreach Services Request for Proposals and Provide Feedback

A Request for Proposals (RFP) for Communication and Outreach Services was published on October 20, 2022. Potential vendors had until October 28 to submit questions regarding the RFP. Staff prepared and published responses to these questions on November 2. The deadline for submitting a proposal was 4:00 p.m. on November 10, 2022. Three proposals were received. The Committee discussed the proposals and the option of not awarding the contract until after the mid-year budget review. The Committee directed staff to present all three proposals to the Board of Directors for their review and feedback.

5.3 Discuss Involvement in the 2022 Indio International Tamale Festival and Sponsorship Proposal and Provide Feedback

Staff presented the Committee with $25,000 and $10,000 sponsorship proposals for the 2022 Indio International Tamale Festival. After discussion, the Committee feels that the District is not ready for an event this size and to revisit this for next year. The Committee requested that staff find out more information on the City of Indio's Second Sunday event and how to register for a booth.

5.4 Discuss Strategic Communications Plan Progress and Contract Closeout Reports

Staff presented the final update and analytics from CV Strategies. The contract with CV Strategies ended on October 31, 2022.

6. ADJOURNMENT

There being no further business to discuss, the meeting adjourned at 2:03 p.m. The next regular committee meeting will be on January 17, 2023.

Respectfully submitted,
Holly Gould, Clerk of the Board
Valley Sanitary District