Yucaipa Valley Water District

12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Notice and Agenda of a Meeting of the Board of Directors

Tuesday, October 7, 2025 at 4:00 p.m.

12770 Second Street, Yucaipa, California 92399

I. CALL TO ORDER

II. ROLL CALL

III. PLEDGE OF ALLEGIANCE

IV. PUBLIC COMMENTS - Members of the public may address the Board of Directors regarding any item within the subject matter jurisdiction of the Board; however, no action may be taken on an item not on the agenda unless authorized by law. Comments shall be limited to matters not listed on the agenda up to a maximum of three (3) minutes.

V. CONSENT CALENDAR - All consent calendar matters are routine and will be acted upon in one motion. There will be no discussion of these matters unless a board member or administrative staff member requests an item to be removed prior to the vote by the Board of Directors.

A. Board Meeting Minutes - September 16, 2025

VI. GENERAL COUNSEL REPORT

VII. STAFF REPORT

VIII. DISCUSSION ITEMS FOR POSSIBLE ACTION

A. Consideration of a Claim for Damages – Holly Phillips [Director Memorandum No. 25-194 - Page 13 of 102]

RECOMMENDED ACTION: That the Board deny the claim for damages and notify the District's insurance carrier of the denied claim for damages.

B. Authorization to Purchase PLC Equipment and Electrical Change Improvement for the Yucaipa Valley Regional Water Filtration Facility SCADA Upgrade Project [Director Memorandum No. 25-195 - Page 31 of 102]

RECOMMENDED ACTION: That the Board: (1) authorize the procurement of PLC equipment and input modules for a sum not to exceed $3,335.06; (2) authorize additional scope of work to ATSI for a sum not to exceed $9,835; and (3) adopt

Any person who requires accommodation to participate in this meeting should contact the District office at (909) 797-5117, at least 48 hours prior to the meeting to request a disability-related modification or accommodation.

Materials that are provided to the Board of Directors after the meeting packet is compiled and distributed will be made available for public review during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting materials are also available on the District's website at www.yvwd.us

Resolution No. 2025-69 transferring reserve funds for a total of $13,170.06 for the cost of the equipment and additional scope of work.

C. Consideration of Contract and Budget for Maintenance and Equipment Repair at Wochholz Regional Water Recycling Facility [Director Memorandum No. 25-196 - Page 33 of 102]

RECOMMENDED ACTION: That the Board authorize the General Manager to renew the annual contract with Track Tech for fiscal year 2025-26 for an amount not to exceed $200,000.

D. Consideration of Contract and Budget for Electrical Support Services at Wochholz Regional Water Recycling Facility [Director Memorandum No. 25-197 - Page 35 of 102]

RECOMMENDED ACTION: That the Board authorize the General Manager to enter into an agreement with Center Electric Services, Inc. for fiscal year 2025-26 for an amount not to exceed $100,000.

E. Notice of Completion of the Acacia Avenue Pipeline Project, City of Yucaipa [Director Memorandum No. 25-198 - Page 38 of 102]

RECOMMENDED ACTION: That the Board: (1) authorize the Chief Financial Officer to execute and file the Notice of Completion for the pipeline project on Acacia Avenue; and (2) adopt Resolution No. 2025-67 returning $123,001 to the Infrastructure Reserves fund as a result of project savings.

F. Notice of Completion of the Avenue D Pipeline Project, City of Yucaipa [Director Memorandum No. 25-199 - Page 43 of 102]

RECOMMENDED ACTION: That the Board: (1) authorize the Chief Financial Officer to execute and file the Notice of Completion for the pipeline project on Avenue D; and (2) adopt Resolution No. 2025-68 returning $11,903 to the Infrastructure Reserves fund as a result of project savings.

G. Consideration of Installation of Quick Connect Leads to Eleven Drinking Water Sites for Yucaipa Valley Water District's Portable Emergency Back-up Generators [Director Memorandum No. 25-200 - Page 48 of 102]

RECOMMENDED ACTION: That the Board: (1) authorize the installation of quick connect leads by Center Electric Services, Inc. for a sum not to exceed $94,770.00; and (2) adopt Resolution No. 2025-70 transferring reserve funds in the amount of $94,770.00 for the cost of the installation.

H. Notice of Completion and Deductive Contract Change Order for the R-12.5 Recycled Water Reservoir Construction Project - Riverside County [Director Memorandum No. 25-201 - Page 57 of 102]

RECOMMENDED ACTION: That the Board authorize staff to file the Notice of Completion and execute the deductive contract change order for the Project.

I. Consideration of Conducting a Value Engineering Study for the Secondary Clarifiers Project [Director Memorandum No. 25-202 - Page 63 of 102]

RECOMMENDED ACTION: That the Board authorize the General Manager to initiate a value engineering process to evaluate potential cost saving opportunities.

J. Status Update and Consideration of District Initiated Deductive Contract Change Order for the Salinity and Groundwater Enhancement Project at the Wochholz Regional Water Recycling Facility, City of Yucaipa [Director Memorandum No. 25-203 - Page 68 of 102]

RECOMMENDED ACTION: That the Board authorizes the General Manager to execute the deductive Contract Change Order No. 1 in the amount of $5,009,000.

IX. BOARD REPORTS & DIRECTOR COMMENTS

X. ANNOUNCEMENTS

A. October 21, 2025 at 4:00 p.m. - Board Meeting
B. November 4, 2025 at 4:00 p.m. - Board Meeting
C. November 18, 2025 at 4:00 p.m. - Board Meeting
D. December 2, 2025 at 4:00 p.m. - Board Meeting
E. December 16, 2025 at 4:00 p.m. - Board Meeting
F. ~~January 6, 2026 at 4:00 p.m. - Board Meeting~~ - Cancelled
G. January 20, 2026 at 4:00 p.m. - Board Meeting
H. February 3, 2026 at 4:00 p.m. - Board Meeting
I. February 17, 2026 at 4:00 p.m. - Board Meeting

XI. CLOSED SESSION

A. Conference with Legal Counsel Existing Litigation - Yucaipa Valley Water District vs. vs South Mesa Water Company
San Bernardino County Superior Case No. CIVDS2009681
(Government Code, Section 54956.9(d)(1)

B. Conference with Real Property Negotiators - Government Code § 54954.5(b):
Property: 37995 Leta Drive, Calimesa, California - APN 407280012
District Negotiator: Joseph Zoba, General Manager
Negotiating Party: Simmons
Under Negotiation: Terms and Price

C. Conference with Legal Counsel - Anticipated Litigation - Government Code § 54954.5(c):
Possible initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code Section 54956.9: One potential case

XII. ADJOURNMENT

Consent Calendar

Yucaipa Valley Water District

MINUTES OF A BOARD MEETING

September 16, 2025 at 4:00 pm

Director's Present:
- Jay Bogh, President
- Greg Bogh, Treasurer
- Joyce McIntire, Secretary
- Brett Granlund, Director

Staff Present:
- Wade Allsup, Chief Information Officer
- Erin Anton, Administrative Manager
- Jennifer Ares, Resource Manager
- Allison Edmisten, Chief Financial Officer
- Sean Ferris, Senior Integrated Operator
- Ashley Gibson, Regulatory Compliance Manager
- Dustin Hochreiter, Public Works Supervisor
- Micah Knox, Resource Specialist
- Mike Kostelecky, Operations Manager
- Maya Lopez, Senior Engineering Technician
- Steve Molina, Public Works Supervisor
- Matthew Porras, Director of Engineering
- Mike Rivera, Public Works Manager
- John Wrobel, Public Works Manager

Directors Absent:
- Nyles O'Harra, Vice President

Consulting Staff Present:
- Jeremy Jungreis, Rutan & Tucker

Registered Guests and Others Present:
- Ron Coats, East Valley Water District
- David Duron, Customer
- Judy Woolsey, City of Yucaipa

CALL TO ORDER	The meeting of the Board of Directors of the Yucaipa Valley Water District was called to order by Director Jay Bogh at 4:00 p.m.
PLEDGE OF ALLEGIANCE	The meeting attendees participated in the pledge of allegiance.
ROLL CALL	Director Jay Bogh, Director Greg Bogh, Director Brett Granlund, and Director Joyce McIntire were present. Director Nyles O'Harra was absent.
PUBLIC COMMENTS	David Duron commented on the connections between the Board of Directors and local officials.

CONSENT CALENDAR

The Consent Calendar consisted of the following:

A. Board Meeting Minutes - September 2, 2025
B. Board of Directors Meeting Attendance Summary for August 2025

The motion to approve the Consent Calendar was made by Director Brett Granlund seconded by Director Greg Bogh, and approved by the following vote:

Director Greg Bogh - Yes
Director Jay Bogh - Yes
Director Brett Granlund - Yes
Director Joyce McIntire - Yes
Director Nyles O'Harra - Absent

GENERAL COUNSEL REPORT

General Counsel Jeremy Jungreis reported on the following:

Senate Bill 707

A brief update was provided regarding SB707, a proposal addressing expanded video and accessibility requirements for online public meetings. It has passed the senate and is now moving forward.

STAFF REPORT

Chief Financial Officer, Allison Edmisten reported on the Mill Creek Cooperative Water Project Agreement and the Winter Water Exchange Plan that District is working on. There will be a follow up meeting in late October/early November. In addition, the net investment rate of return regarding CalPERS retirement was discussed. As a result of the investment return being higher than estimated, this will result in future savings for the District regarding the annual payment made toward retirement.

DISCUSSION ITEMS FOR POSSIBLE ACTION:

DM 25-189

PRESENTATION OF THE UNAUDITED FINANCIAL REPORT FOR THE PERIOD ENDING ON AUGUST 31, 2025

Chief Financial Officer, Allison Edmisten discussed the monthly unaudited financial statement which included the current cash position as well as various payments made to contractors performing work on the various WIFIA projects. The monthly utility revenue is increasing year over year and the monthly shut-offs are remaining relatively constant. The District has spent approximately 43% of the WIFIA project funding as of the end of August.

The annual financial audit is expected to be presented to the Board in early November.

Director Brett Granlund moved that the Board of Directors receive and file the unaudited financial report.

Director Joyce McIntire seconded the motion.

The motion was approved by the following vote:
Director Greg Bogh - Yes
Director Jay Bogh - Yes
Director Brett Granlund - Yes
Director Joyce McIntire - Yes
Director Nyles O'Harra - Absent

DM 25-190

CONSIDERATION OF PURCHASING BACKFLOW DEVICES AND VAULTS FOR UPGRADING FIRE SERVICES

Public Works Supervisor, Steve Molina presented the option of using a vendor to install 6 backflow devices and 2 vaults compared to District staff purchasing the material and installing the parts in house for a savings estimated at $85,000.

Director Brett Granlund moved that the Board of Directors: (1) approve the purchase of two vaults from Core and Main for a sum not to exceed $25,204.48; and (2) approve the purchase of six backflow devices from Backflow Parts USA for a sum not to exceed $28,911.49; and (3) adopt Resolution No. 2025-66 transferring reserve funds for a total of $54,115.97 for the cost.

Director Greg Bogh seconded the motion.

The motion was approved by the following vote:
Director Greg Bogh - Yes
Director Jay Bogh - Yes
Director Brett Granlund - Yes
Director Joyce McIntire - Yes
Director Nyles O'Harra - Absent

DM 25-191

PROGRESS REPORT FOR THE LIFT STATION 4 REPLACEMENT PROJECT

Director of Engineering, Matthew Porras provided an update for the Lift Station 4 Replacement Project. The permanent fencing will not be completed until the demolition of the old lift station is complete. The total project is currently 92% complete.

No action is required from the Board at this time, as this report is for informational purposes only. District staff will continue to keep the Board apprised of progress and will provide additional updates at future board meetings.

DM 25-192

PROGRESS REPORT FOR THE R-16.2 RESERVOIR AND BOOSTER PUMPING PROJECT - YUCAIPA

Director of Engineering Matthew Porras provided an update on the R-16.2 Reservoir and Booster Pumping Project in Yucaipa located on Oak Glen Road. The fencing in nearly complete and the stormwater capture basin is now finished. The contractor is working on finishing the slopes as well as the underground construction.

No action is required from the Board at this time, as this report is for informational purposes only. District staff will continue to keep the Board apprised of progress and will provide additional updates at future board meetings.

DM 25-193

AUTHORIZATION TO ENTER INTO A PROPERTY MANAGEMENT AGREEMENT FOR THE SINGLE-FAMILY RESIDENCE LOACTED AT 33889 ENOCH AVENUE, YUCAIPA

Chief Financial Officer, Allison Edmisten presented the agreement for a property management company to rent out a District owned home at 33889 Enoch Avenue in Yucaipa. This property was purchased many years ago and the home has been sitting vacant. The District intends on renting this home until at least August 2027.

Director Brett Granlund recused himself from the discussion prior to Ms. Edmisten's presentation.

Director Joyce McIntire moved that the Board authorize the General Manager to enter into an agreement with Titan Real Estate Group for the rental of the subject property.

Director Greg Bogh seconded the motion.

The motion was approved by the following vote:

Director Greg Bogh - Yes
Director Jay Bogh - Yes
Director Brett Granlund - Recusal
Director Joyce McIntire - Yes
Director Nyles O'Harra - Absent

BOARD REPORTS AND DIRECTOR COMMENTS

Director Brett Granlund reported on the coalition meeting with City of Redlands and East Valley Water District held on September 3, 2025.

Director Brett Granlund reported on the San Bernardino Valley Municipal Water District Board of Directors Workshop on Policy and Administration held on September 4, 2025.

Director Joyce McIntire reported on the San Gorgonio Pass Water Agency board meeting on September 8, 2025.

Director Joyce McIntire reported on the Calimesa City Council meeting on September 15, 2025.

ANNOUNCEMENTS

Director Jay Bogh called attention to the announcements listed on the agenda.

CLOSED SESSION

Director Jay Bogh, Director Greg Bogh, Director Brett Granlund, and Director Joyce McIntire were present in closed session with Chief Financial Officer Allison Edmisten, and Legal Counsel Jeremy Jungreis to discuss agenda item B:

B. Conference with Real Property Negotiators – Government Code § 54954.5(b): Property: 35525 Wildwood Canyon Road, Yucaipa, California – APN 124211101 and 124211201
District Negotiator: Joseph Zoba, General Manager
Negotiating Party: Kevin II Stirdivant
Under Negotiation: Terms and Price

Following the closed session conference, Legal Counsel Jeremy Jungreis reported that there was no reportable action.

ADJOURNMENT

The meeting was adjourned in memory of Charlie Kirk with a motion by Director Brett Granlund and seconded by Director Greg Bogh at 4:50 p.m.

Respectfully submitted,

Joseph B. Zoba, Secretary (Seal)

General Counsel Report

Yucaipa Valley Water District

Staff Report

Yucaipa Valley Water District

Discussion Items

Yucaipa Valley Water District

Yucaipa Valley Water District

Director Memorandum 25-194

Date: October 7, 2025 **Task:** N/A

Prepared By: Allison M. Edmisten, Chief Financial Officer

Subject: Consideration of a Claim for Damages – Holly Phillips

Recommendation: That the Board deny the claim for damages and notify the District's insurance carrier of the denied claim for damages.

On Saturday, May 24, 2025, a hydrant blew off on Vita Lane which impacted the property at 35652 Sundance Court. District staff responded to the emergency as well as the fire department and shut off the hydrant.

On September 22, 2025, District staff received the formal claim from Holly Phillips ("Claimant") regarding the damage to the property. The damage includes mud on the property as well as two trees that were uprooted from the property, and damage to the fence on the property line. The claimant states that the mud also clogged the drainage system. The claimant received an estimate for damage of $52,500.

The attached claim includes pictures of the damage.

District staff recommends the Board of Directors deny this claim for damages and for the claim to be forwarded to the District's insurance carrier.

RECEIVED
SEP 22 2025
BY:

Yucaipa Valley Water District

Claim Form

INSTRUCTIONS:
This form is for filing a claim against Yucaipa Valley Water District (YVWD). This form, together with a copy of all attachments, are to be filed with YVWD. Please print or type and complete the form in its entirety. Please include additional pages if more space is needed, as well as pictures and any other documentation supporting the claim. Missing information may delay the processing of your claim. Retain one copy for your records.

Mail to:
Yucaipa Valley Water District
Attn: Claims Department
P.O. Box 730
Yucaipa, CA 92399

OR

Hand deliver to:
Yucaipa Valley Water District
Attn: Claims Department
12770 Second Street
Yucaipa, CA 92399

Fax to:
(909) 797-6381

OR

Email to:
customerservice@yvwd.us

CLAIMS:
Claims for death, injury to person or personal property must be filed not later than six months after the occurrences. (Gov. Code Sec. 911.2)

Claims for damage relating to any other cause of action must be filed not later than 1 year after the occurrence. (Gov. Code Sec. 911.2)

Who is Responsible for Damages?

No utility is in a position to guarantee 100 percent continuity of water service. However, it is our policy to investigate claims in order to determine if our conduct or inaction was unreasonable under the circumstances, thereby causing injury or damages. YVWD will not be liable for interruption or shortage or insufficiency of supply, or any loss or damage of any kind, if same is caused by inevitable accident, act of God, fire, strikes, riots, war, or any other cause except that arising from its failure to exercise reasonable diligence.

Determination of Responsibility and Payment if YVWD is at fault

YVWD will conduct an investigation based on the information you provide on your claim form, internal YVWD records and interviews with YVWD personnel. The investigation results will determine whether your claim is accepted or rejected. If your claim is accepted, YVWD's payment with regard to property damage will depend on the extent of damage and value of the property. If the property can be repaired, YVWD will pay the cost of the repair. If the property cannot be repaired, YVWD will generally pay reasonable market value for the property at the time was damaged, or the depreciated costs to replace the property, whichever is less. Payment for bodily injury is determined by several factors including, but not limited to, type and severity of injury, medical bills incurred, loss of wages (if any) and permanent disability sustained (if any).

Yucaipa Valley Water District

Claim for Damage

Date Stamp

(for official use only)

Name: Holly + Jason Phillips

Address: 35652 Sundance Ct
Yucaipa CA 92399

Phone(s):
909 754 7446
Cell Home Business

Address at time of loss/incident:
35652 Sundance Ct Yucaipa CA 92399

Description of Details: (Describe how the loss/incident occurred):
see attached document.

(Attach additional pages and supporting documentation as needed)

YVWD's Involvement: (if possible, please identify employee and/or department involved)
failure of public utility water infrastructure
see attached document

Witnesses: (please provide addresses and phone numbers):

Name	Address	Phone
Vincent Urrana	35656 Sundance ct	909-844-2101
Dave Ridge	35048 Sundance ct	562-572-1856
Martin Rosales	35659 Sundance Ct	909-255-2590

Property damage (please describe the value and extent of the damages you have):
see attached document

Make:	Model:	Year:	License #	Insurance Co.	Policy #

Yucaipa Valley Water District

Automobile Accident Report

Date N/A

Name of vehicle owner: _____

Model Year	Make of Vehicle	Body Style
State & License #	**Mileage**	**If Leased, by whom held**

Name of your insurance Company: N/A

Type of Insurance Carried: _____

Name of Driver	Address	Phone No.
Relationship of Driver to Owner	**Driver's Date of Birth**	**Driver's License No.**
Date of Accident	**Time (A.M./P.M.)**	**Location (street address)**
City/Town		**State, Zip Code**

Occupants of Vehicle:

Name	Address	Age	Relation to Owner	Your Vehicle ✓	Other Vehicle ✓	No Vehicle ✓	Injured (Y/N)
				☐	☐	☐	
				☐	☐	☐	
				☐	☐	☐	

Nature of Injuries: N/A

Where Treated: _____ Name of Treating Physician: _____

Yucaipa Valley Water District

Were you injured? No ☒ Yes ☐ (if yes, please complete the following)

Describe your injury (identify your doctor(s)/health care provider(s):

Are you still receiving medical treatment? No ☒ Yes ☐

Employer: Esri Type of work: Computer work

Wage Loss? No ☐ Yes ☒ (if yes, rate of pay $)

"I declare under penalty of perjury under the laws of the State of California that the forgoing is true and correct"

Date and Place (City and State) Signature

Yucaipa Valley Water District

Damage to Property of Others

Extent/Description of Damage: see attached document

If Auto:

Model/Make of Vehicle	State & License #	Driver's License #
Owner's Name	**Address**	**Phone**

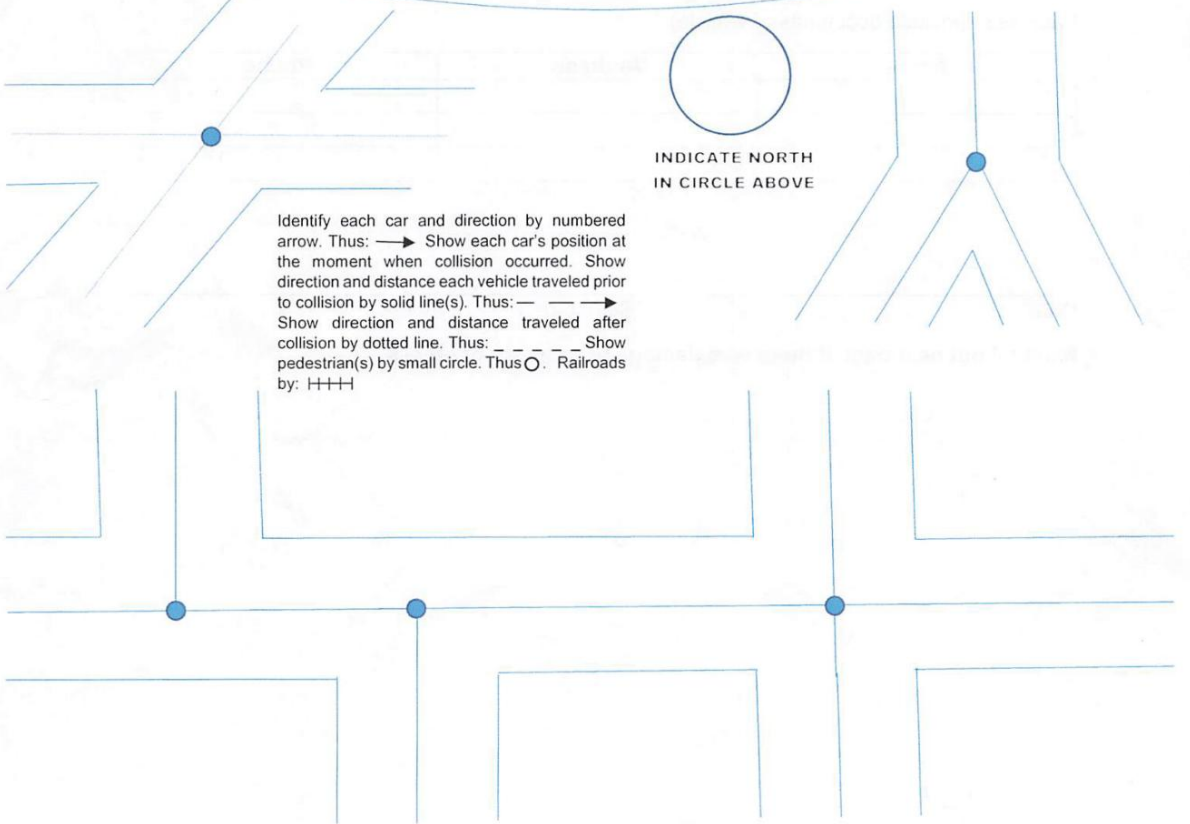
Witnesses (include occupants of vehicle):

Name	Address	Phone

Date _____ Signature _____

Must fill out next page if there was damage to property of others.

Yucaipa Valley Water District



INDICATE NORTH
IN CIRCLE ABOVE

Identify each car and direction by numbered arrow. Thus: ⟶ Show each car's position at the moment when collision occurred. Show direction and distance each vehicle traveled prior to collision by solid line(s). Thus: — —⟶ Show direction and distance traveled after collision by dotted line. Thus: _ _ _ _ Show pedestrian(s) by small circle. Thus ○. Railroads by: ⊢⊢⊢⊢

TIME OF ACCIDENT: 2:30 O'CLOCK (AM) PM

CONSTRUCTION & CONDITION OF ROAD, WEATHER:

CONCRETE	☐	DRY	☐	SMOOTH	☐	CLEAR	☐
GRAVEL	☐	WET	☐	ROUGH	☐	RAINING	☐
OILED	☐	ICY	☐	UPHILL	☐	MISTY	☐
DIRT	☐			DOWNHILL	☐	FOG	☐
ASPHALT	☐			LEVEL	☐	SNOW	☐

Official Claim Form - Yucaipa Valley Water District

Claimant Information:

- **Name:** Holly & Jason Phillips
- **Address:**35652 Sundance Court Yucaipa, CA 92399
- **Contact Number:** 909-754-7446
- **Email Address:** hollyberry77@gmail.com
- **Property Address of Loss (if different):**35652 Sundance Court Yucaipa, CA 92399

1) Description of Details: (Describe how the loss/incident occurred)

On Sunday **May 25, 2025,** at approximately **2:30 a.m.**, a catastrophic failure occurred in a 6-inch fire hydrant run at or near **35768 Wildwood Cyn Rd / Vita Ln**. The resulting high-pressure water discharge ran for approximately one hour, immediately causing a significant and destructive flood event on our property.

The surge of water overwhelmed our land, leading to a massive mudslide consisting of approximately **350 cubic yards** of earth, debris, and mud. This mudslide caused a cascade of severe damage: it completely wiped out **94 linear feet** of our shared property line fencing, uprooted and removed two mature, nut-producing almond trees, and completely clogged our entire drainage system, rendering it non-functional. The flooding persisted for an extended period, causing saturation of the ground and posing a significant risk of further collapse and damage to our home's foundation.

2) YVWD's Involvement

The cause of this incident was the failure of your public utility water infrastructure. The water main, which is the property and responsibility of **Yucaipa Valley Water District,** broke and directly caused the flooding and subsequent mudslide on our property. This was not a natural disaster or a result of negligence on our part; it was a direct consequence of a failure in your equipment and system. We believe that your organization is fully liable for all resulting damages and associated costs.

3) Witnesses

We have several witnesses to the event and the immediate aftermath, including neighbors who observed the torrent of water and the extensive damage. Their contact information can be provided upon request.

Phillips, 35652 Sundance Ct.

- **Vince Urbina:** Our neighbor who was returning home from a wedding, witnessed the water flow crossing Sundance Ct.
- **Dave Ridge:** Our neighbor who was awoken by Mr. Urbina and witnessed the water flow crossing Sundance Ct
- **Martin & Jessica Rosales:** Our neighbors who were awoken by Mr. Urbina and witnessed the water flow crossing Sundance Ct

4) Property Damage (please describe the value and extent of the damages you have)

The total value of the damages includes both direct repair costs and the replacement value of destroyed property. We have attached copies of all estimates.

- **Property Line Fencing:** The mudslide completely destroyed 94 linear feet of our property line fencing. We have received an official estimate for the cost of replacement, including labor and materials, totaling **$5,000**.
- **Mudslide Cleanup & Property Restoration:** The removal of 350 cubic yards of mud and debris and the restoration of the land to its pre-incident state is a significant undertaking. The estimated cost for this work, which includes excavation, soil stabilization, and regrading, is **$40,000**.
- **Mature Almond Trees:** The mudslide completely uprooted and removed two mature, nut-producing almond trees. The value of these trees is not just their lumber or replacement cost but also their environmental, aesthetic, and agricultural value. We estimate the combined value of these trees to be **$5,000**, based on an initial assessment of their age and productivity. We are seeking a formal arborist's valuation to determine the full replacement and long-term loss value.
- **Drainage System:** The mudslide and debris completely clogged our entire drainage system. This requires professional assessment to determine the full extent of the damage and the cost of flushing, repairing, or replacing the system. We estimate the cost to be a minimum of **$2,500**.
- **Devaluation of Property:** The extensive damage to the landscape and the potential for future soil instability have devalued our property. We reserve the right to seek a professional property appraisal to quantify this loss.

Total Estimated Damage to Date: ~$52,500 + additional costs for professional assessments and lost income.

Phillips, 35652 Sundance Ct.

5) Describe your injuries

While we did not suffer physical injuries, this incident has caused significant personal and financial harm. We have had to take a substantial amount of time off from our jobs to address this crisis.

- **Time Off to Assess Damage:** It took 18 hours to meet with contractors, assess the full scope of the damage, and secure the property.
- **Time Off to Monitor Repairs:** We anticipate it will take a minimum of 72 hours to monitor the extensive repair and restoration work.

Based on an estimated hourly wage of $62.40 the total financial cost of our time off work is approximately **$5,616**.

In addition to the financial cost, the emotional distress, stress, and disruption to our daily lives have been immense. We have been forced to live with an ongoing safety hazard and the constant worry of further property damage.

We expect a prompt response and a fair resolution to this matter, including full reimbursement for all costs incurred and estimated.

Signed,

Jason Phillips

9/19/25

Holly Phillips

Enclosures:

1. Estimate 1 – H&B Services (1 page)
2. Estimate 2 – Riverside Fence Co. (1 page)
3. Estimate 3 – Tree Value (1 page)
4. Work Order – Task ID 136298 (3 pages)
5. Collection of 14 Photos

H & B Services, Inc

General Contractor ~ Lic. #962702 ~ 1033 Kimbark Avenue ~ San Bernardino, CA 92407
Phone (909) 578-2905–Handbdrew@gmail.com

6-15-2025

The Phillips
35652 sundance ct
Yucaipa Ca 92399

Regarding: Mud Slide Phillips -1

Gentleman,

H & B Services, Inc. wishes to submit the following Proposal for your Approval.

Hillside reconstruction after mudslide

Scope of Work:

Move/ recompact/ shape approximately 350 yards of dirt.
Area Affected approximately 40 feet wide by 25 feet long by 14 feet in height.
Remove two trees due to soil eroding underneath root ball.
Bring in clean fill as needed (not to exceed 60 yards)
Remove Material not good for compaction as needed (not exceed 60 yards)
Work to be completed between two neighbor's yards.
Work to take 7 days to complete.

$39,700.00 Lump sum

Thank you for giving H & B Services, Inc., the opportunity to submit this proposal.

H & B Services, Inc.
Drew Heim

☒ Proposal
☐ Contract
☐ Invoice

MAILING:
4950 Luther St
Riverside, CA 92504

Riverside Fence Co. Inc
Lic #1041342
Since 1978

VISA MasterCard

(951) 907-8060
riversidefenceco@gmail.com
riversidefencecoinc.com

Estimator: ERIC ESPINO Date: 07/21/25

Name HOLLY PHILLIPS
Street 35652 SUNDANCE CT
City YUCAIPA CA 92399
Phone (909) 754-7446
Job Address SAME

Linear Ft. 94 Description 6' C/LINK

FENCING SPECIFICATIONS

Chain Link	Wood	Vinyl	Ornamental Iron
Fence Height 6	Fence Height	Fence Height	Fence Height
Wire Gauge 11	Type	Type	Style
Bias X	Bias	Bias	Bias
Top Rail O.D. 1 5/8 11	Cover Boards	Cover Boards	Frame O.D.
Line Post O.D. 2 3/8 11	Post	Post	Picket O.D.
Corner Post O.D. 2 3/8	Rails	Rails	Post O.D.
Gate Post O.D.	Walk Gates	Walk Gates	Walk Gates
Self Close	Self Close	Self Close	Self Close
Post Gauge 5520	Drive Gates	Drive Gates	Drive/Slide
Walk Gates	Gate Hardware	Gate Hardware	Gate Hardware
Drive/Slide	Top Cap	Colors	Colors
Bracing	B-onB	Planted Post	Keyed
☐ Pool	☐ Core Drill	☐ Removal	☐ Jackhammer
☒ Generator	☐ Water	☐ Dig Alert	☐ Welder EZ-55

Exclusions:(unless listed) Grading Permits, Coring/Concrete Work, Clearing of Fence Lines

CUSTOMER IS RESPONSIBLE FOR: Trimming and/or Removal of Foliage. Cable • Lines Electrical & Gas Lines • Water & Sprinkler Lines • Notifying Neighbors about work

94'
ON SLOPE

35652

SUNDANCE CT

*All work installed at same time

Comments: PRICE INCLUDE MATERIAL AND LABOR
2 3/8" 5520 LINE & TERMINAL POST, 1 5/8 16GA
TOP RAIL, 2" X 11GA X 72" GBW CHAIN LINK

We hereby propose to furnish the materials and perform the labor necessary for the completion.
All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings & specifications submitted for above work and completed in a substantial workmanlike manner for the sum of D
With payments to be made as follows: PAID IN FULL UPON COMPLETION to Riverside Fence Co. Inc $ 4,559.00

Respectfully submitted: _____ THANK YOU
Per. Riverside Fence Co. Inc NOTE - This proposal may be withdrawn by us if not accepted within 15 days.

ACCEPTANCE OF PROPOSAL
The above prices, specifications and conditions are satisfactory and are hereby accepted.
You are authorized to do work as specified. Payment will be made as outlined above.
Credit cards require a 3% convenience fee.

Date: _____ **Signature:** _____

omni calculator Search calculator... Board

Last updated: July 29, 2024

Tree Value Calculator

Tree type

Fruit Wood

Circumference

18 in

Height

7.5 ft

Tree value

2,446 $

Share result

Reload calculator

Clear all changes

Did we solve your problem today? Yes No

Check out 6 similar trees & forestry calculators

Basal area

Leaves on tree

Tree age

Creators

Łucja Zaborowska, MD, PhD candidate

Reviewers

Yucaipa Valley Water District

TASK

Yucaipa Valley Water District
P.O. Box 730
Yucaipa, CA 92399
Office: (909) 797-5117
CustomerService@yvwd.us
http://www.yvwd.us/

Repair Water Hydrant (Task ID:136298)

Service Order: SO-00052818 **Division:** YVWD
Created By: Mike Rivera Last Modified By: Mike Rivera
Created On: 5/25/2025 3:28 AM Date Last Modified: 6/5/2025 4:29 PM

Water Hydrant: N20 11 - PW-H-150-0308

GIS Asset ID: PW-H-150-0308 GIS Map Layer: Water Hydrant

Scheduled Start: 5/26/2025 3:28 AM Task Priority: 3 - Medium
Scheduled End: 8/8/2025 3:28 AM

Assignments: Alejandro Salinas,Brandon Ahumada,Marcus Almanza,Mike Rivera,Scott Petta,Todd Madrid

Description: 35768 Wildwood Cyn Rd / Vita Ln - 6" Fire hydrant run blew out repair as needed. - Crew to clean up road and driveways from debri and mud.

Resolution:

Service Order Notes

Todd Madrid 6/5/2025 10:07 AM	6-5-2025 Madrid, Almanza, Ahumada, Petta, Salinas We installed the shock pad and clean everything up.
Todd Madrid 6/5/2025 10:07 AM	6-4-2025 Madrid, Almanza, Ahumada, Petta, Salinas We cut down the tree and installed the new fire hydrant.
Todd Madrid 6/5/2025 6:52 AM	6-3-2025 Madrid, Almanza, Ahumada, Petta, Salinas We started to clean up people's yards, putting down rock, DG, bark, pea gravel and raking up the yard.
Todd Madrid 6/5/2025 6:51 AM	6-2-2025 Madrid, Almanza, Ahumada, Petta, Salinas We started to clean up people's yards, putting down rock, DG, bark, pea gravel and raking up the yard.
Todd Madrid 6/5/2025 6:43 AM	5-29-2025 Madrid, Almanza, Ahumada, Petta, Salinas We finished cleaning up Wildwood Canyon Rd. and Douglas St.
Todd Madrid 6/5/2025 6:41 AM	5-28-2025 Madrid, Almanza, Ahumada, Petta, Salinas We continued cleaning up Wildwood Canyon Rd.
Todd Madrid 6/5/2025 6:39 AM	5-27-2025 Madrid, Almanza, Salinas, Ahumada, Petta We started the clean up process down Vita Ln. and Wildwood Canyon Rd.
Mike Rivera	Marcus A was the on call personnel and was able to isolate FH and stop any further damage to

Repair Water Hydrant (Task ID:136298)

5/25/2025 3:36 AM residents property. Crew to clean up debri on Sunday 5/26/25.

Form Details

Underground Alert 811
USA Number
Call Date
Call Time
Caller Name
County
Type of Work
Descriptive Location
Update On/Before Date
Subsidence Address
Subsidence Address
Water Loss Gallons
Water Loss Hours
Paving No
Paving Sq. Ft.
Saw Cutting
Shut Down (Unplanned Disruption)
Number of Customers Affected by Shutdown

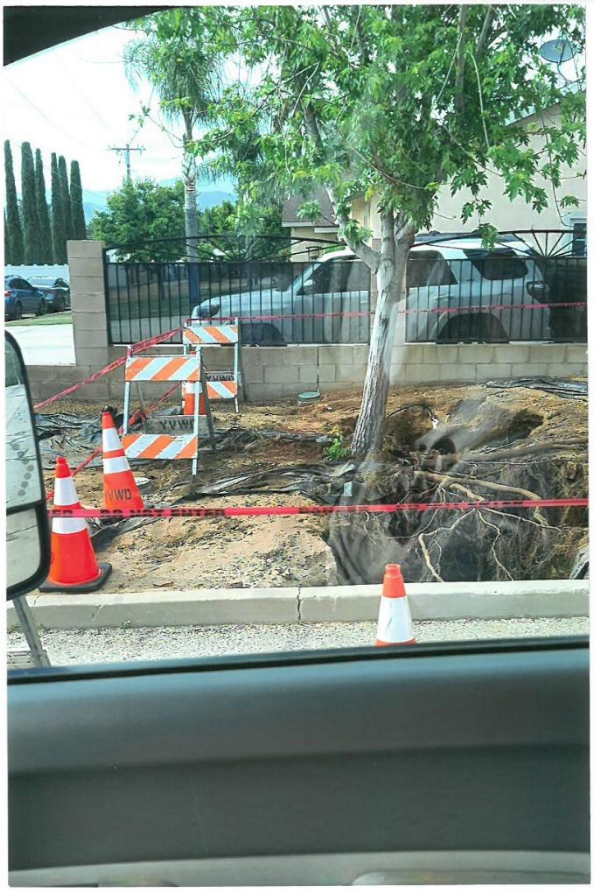
Item Details

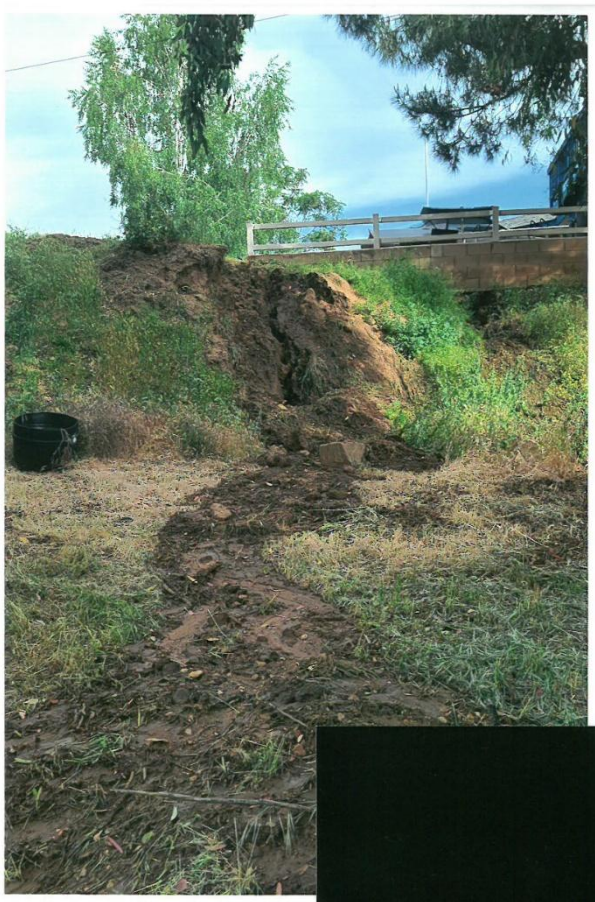
Date	Item ID	Item Description	Quantity	Sale Price	SubTotal
Labor Section					
05/25/2025	malmanza	Marcus Almanza	2.0000	$117.8700	$235.7400
05/25/2025	mrivera	Mike Rivera	1.0000	$166.7800	$166.7800
05/25/2025	malmanza	Marcus Almanza	10.0000	$117.8700	$1,178.7000
05/25/2025	asalinas	Alejandro Salinas	9.0000	$79.5900	$716.3100
05/25/2025	jbloom	Jeremiah Bloom	5.0000	$79.5900	$397.9500
05/25/2025	tcauthron	Taylor Cauthron	7.0000	$66.7700	$467.3900
05/25/2025	jmacias	Joshua Macias	6.0000	$79.5900	$477.5400
05/25/2025	bahumada	Brandon Ahumada	9.0000	$79.5900	$716.3100
05/27/2025	tmadrid	Todd Madrid	10.0000	$107.3400	$1,073.4000
05/27/2025	malmanza	Marcus Almanza	10.0000	$90.2300	$902.3000
05/27/2025	asalinas	Alejandro Salinas	10.0000	$60.9300	$609.3000
05/27/2025	bahumada	Brandon Ahumada	10.0000	$60.9300	$609.3000
05/27/2025	spetta	Scott Petta	10.0000	$60.9300	$609.3000
05/28/2025	tmadrid	Todd Madrid	7.0000	$107.3400	$751.3800
05/28/2025	malmanza	Marcus Almanza	7.0000	$90.2300	$631.6100
05/28/2025	bahumada	Brandon Ahumada	7.0000	$60.9300	$426.5100
05/28/2025	spetta	Scott Petta	7.0000	$60.9300	$426.5100
05/28/2025	asalinas	Alejandro Salinas	7.0000	$60.9300	$426.5100
				Labor Total:	**$10,822.8400**
Equipment Section					
05/25/2025	VE-079	Ford F-550 4x4 Flatbed Service Truck	8.0000	$64.0700	$512.5600
05/25/2025	VE-064	Dump Truck 64	8.0000	$54.6900	$437.5200
05/25/2025	VE-083	International 4300 Water Truck	1.0000	$64.0700	$64.0700

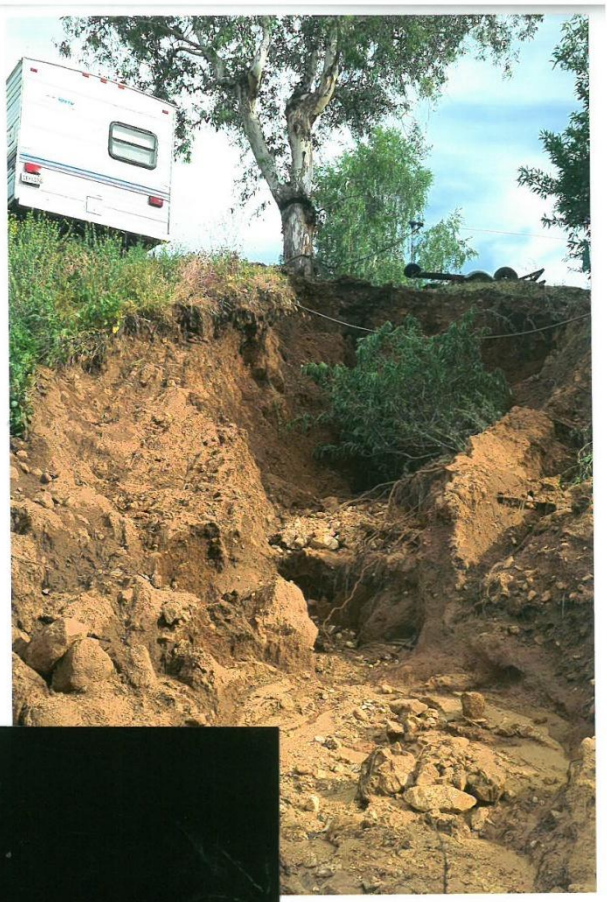
Repair Water Hydrant (Task ID:136298)

05/25/2025	HE-450	Caterpillar 450 F	6.0000	$38.0000	$228.0000
05/26/2025	VE-047	Aquatech 47	6.0000	$216.1900	$1,297.1400
05/27/2025	VE-079	Ford F-550 4x4 Flatbed Service Truck	10.0000	$64.0700	$640.7000
05/27/2025	VE-047	Aquatech 47	10.0000	$216.1900	$2,161.9000
05/27/2025	VE-083	International 4300 Water Truck	10.0000	$64.0700	$640.7000
05/27/2025	VE-064	Dump Truck 64	10.0000	$54.6900	$546.9000
05/27/2025	TOW-683	White Trailer	10.0000	$5.5000	$55.0000
05/27/2025	HE-293	Skid Steer Loader	10.0000	$20.0000	$200.0000
05/27/2025	HE-293-F	Pick-Up-Sweeper	10.0000	$5.0000	$50.0000
05/28/2025	VE-064	Dump Truck 64	7.0000	$54.6900	$382.8300
05/28/2025	HE-293	Skid Steer Loader	7.0000	$20.0000	$140.0000
05/28/2025	HE-293-F	Pick-Up-Sweeper	7.0000	$5.0000	$35.0000
05/28/2025	VE-047	Aquatech 47	7.0000	$216.1900	$1,513.3300
05/28/2025	VE-083	International 4300 Water Truck	7.0000	$64.0700	$448.4900
				Equipment Total:	**$9,354.1400**

Actual Start Date:	5/25/2025 3:29 AM	Materials Total:	$0.0000
Actual End Date:	8/8/2025 12:00 AM	Labor Total:	$10,822.8400
		Equipment Total:	$9,354.1400
		Contractor Total:	$0.0000
		Total:	**$20,176.9800**







Yucaipa Valley Water District

Director Memorandum 25-195

Date: October 7, 2025 **Task:** 105496

Prepared By: Wade Allsup, Chief Information Officer

Subject: Authorization to Purchase PLC Equipment and Electrical Change Improvement for the Yucaipa Valley Regional Water Filtration Facility SCADA Upgrade Project

Recommendation: That the Board: (1) authorize the procurement of PLC equipment and input modules for a sum not to exceed $3,335.06; (2) authorize additional scope of work to ATSI for a sum not to exceed $9,835; and (3) adopt Resolution No. 2025-69 transferring reserve funds for a total of $13,170.06 for the cost of the equipment and additional scope of work.

The Yucaipa Valley Water District prepared a system upgrade design for the SCADA (Supervisory Control and Data Acquisition) equipment at the Yucaipa Valley Regional Water Filtration Facility (YVRWFF), aiming to modernize and replace the Programmable Logic Controllers (PLC) and related hardware to enhance cybersecurity and operational control.

On October 15, 2024, the Board of Directors awarded a contract to ATSI (Advanced Telemetry Systems International, Inc.) for an amount not to exceed $1,885,878.24 [Director Memorandum 24-160]. Funding for the project is from designated Water Fund Facility Capacity Fees, with 25% from Phase 1 and 75% from Phases 2 and 3 as provided in Resolution No. 2024-52.

The District, with recommendation from GHD engineering, waited to acquire certain equipment to avoid outdated models once installation began. The final PLC for the Forsta filter system is needed to finalize the SCADA upgrade project. This PLC and its input modules cost $3,335.06.

The contractor demonstrated that the plant's current communication wiring is in a "daisy chain" configuration which can result in larger equipment failures if a link in the chain fails. To remedy this, GHD engineers and ATSI recommended running new upgraded cables to ensure plant reliability and eliminate possible downtime if any components fail. This would give the operations staff the ability to turn off a single train at a time while the rest continue in operation. This cost adjustment is $9,835.00.

Financial Impact:

The total cost for the equipment and the wiring change total $13,170.06 and will be funded by the Water Fund Facility Capacity Fees, 25% Phase 1 and 75% Phase 2 and 3 [G/L Account #'s 02-000-10401 $3,292.52 and 02-000-10403 $9,877.54].

RESOLUTION NO. 2025-69

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT TRANSFERRING FUNDS WITHIN THE WATER FUND AS TRANSFER NO. 24 AND 25 FOR FISCAL YEAR 2026

WHEREAS, the Yucaipa Valley Water District has implemented a SCADA upgrade project at the Yucaipa Valley Regional Water Filtration Facility to enhance system robustness, cybersecurity, and operational control;

WHEREAS, during the design phase, District staff procured certain hardware components, such as ethernet switches and server equipment, in advance of the SCADA consultant contract to mitigate anticipated cost increases, while deferring other hardware purchases to provide the SCADA contractor with flexibility in system design;

WHEREAS, the Yucaipa Valley Water District recognizes the importance of routinely funding equipment purchases with funds set aside for this purpose, and

WHEREAS, the Board of Directors has authorized the purchase of an additional PLC and input module as well as additional scope of work to ATSI for the Yucaipa Valley Regional Water Filtration Facility SCADA Upgrade Project for a sum not to exceed $13,170.06 [Director Memorandum No. 25-195] and authorized the use of reserve funds for these expenditures as provided below.

NOW, THEREFORE, the Board of Directors of the Yucaipa Valley Water District hereby RESOLVE, DETERMINE, and ORDER as follows:

Section 1: Fund Transfer No. 24 in the amount of $3,292.52 from the Water Fund Facility Capacity Fees Phase I (02-000-10401) to fund 25% of the purchase of the PLC, input module, and additional scope of work for the Yucaipa Valley Regional Water Filtration Facility.

Section 2: Fund Transfer No. 25 in the amount of $9,877.54 from the Water Fund Facility Capacity Fees Phase 2 and 3 (02-000-10403) to fund 75% of the purchase of the PLC, input module, and additional scope of work for the Yucaipa Valley Regional Water Filtration Facility.

PASSED, APPROVED and ADOPTED this 7th day of October 2025.

YUCAIPA VALLEY WATER DISTRICT

Jay Bogh, President Board of Directors

ATTEST:

Allison M. Edmisten, Chief Financial Officer

Yucaipa Valley Water District

Director Memorandum 25-196

Date: October 7, 2025 **Task:** Various

Prepared By: Charles Thomas, Operations Manager

Subject: Consideration of Contract and Budget for Maintenance and Equipment Repair at Wochholz Regional Water Recycling Facility

Recommendation: That the Board authorize the General Manager to renew the annual contract with Track Tech for fiscal year 2025-26 for an amount not to exceed $200,000.

The District's wastewater treatment plant, Wochholz Regional Water Recycling Facility relies on highly specialized and complex infrastructure, including pumps, motors, electrical systems, control panels, and process equipment that must operate continuously to ensure compliance with state and federal regulatory requirements. Any unplanned outage or equipment failure can disrupt treatment operations, create environmental compliance risks, and potentially impact public health.

Operations staff provides daily operation, preventative maintenance, and first-line troubleshooting; however, certain specialized services require contractor expertise, manufacturer certifications, and rapid-response capacity to protect the integrity of plant operations. Timely access to qualified support is critical to minimizing downtime, preventing costly equipment damage, and ensuring regulatory compliance.

Track Tech has demonstrated experience in servicing municipal wastewater facilities and possesses technical expertise, staff capacity, and emergency response resources to support the District's critical infrastructure. The scope of services includes:

- 24/7 on-call emergency response for unplanned failures, or process interruptions.
- Maintenance and inspections of major plant equipment and systems.
- Corrective maintenance which requires on-site fabrication, specialized tools, and equipment.
- Technical support and recommendations to extend equipment life and improve reliability.

This agreement will provide the District with access to specialized support, reduce risk exposure, and ensure continuous compliance with environmental regulations. Without contractor support, the District would face increased risk of prolonged outages, higher long-term costs, and potential violations of regulatory discharge requirements.

District staff is requesting your consideration to authorize the General Manager to renew the annual contract with Track Tech for an amount not to exceed $200,000 which will allow District staff the ability to have a contractor on hand to handle critical situations that may arise.

Below is a comparison of various projects that Track Tech has been awarded as the low bidder over the past four years of providing maintenance services for the district, along with the closest competing bids for the same items. Track Tech has consistently submitted the lowest bids, which supports the recommendation to award the annual contract to Track Tech for various repairs that may arise throughout the year.

Equipment Install/Repair	Closest Bidder	Track Tech Bid	Amount Saved
Primary Clarifier Rehabilitation	$412,000.00	$327,800.00	$84,200.00
Secondary Equalization Basin Repair	$54,500.00	$30,000.00	$24,500.00
Plant Entrance Gate	$35,126.63	$12,000.00	$23,126.63
Replacement of MPM Roof	$42,000.00	$25,000.00	$17,000.00
DAF Rehabilitation	$36,600.00	$25,000.00	$11,600.00
Blower Pipe Supports	$18,390.21	$12,000.00	$6,390.21
Total	**$598,616.84**	**$431,800.00**	**$166,816.84**

Financial Impact

This contract, not to exceed $200,000.00, will be paid by the Sewer Fund, R&M Structures [G/L Account # 03-502-51003] and is included in the 2025-26 adopted budget.

Yucaipa Valley Water District

Director Memorandum 25-197

Date: October 7, 2025 **Task:** Various

Prepared By: Tim Mackamul, Operations Manager

Subject: Consideration of Contract and Budget for Electrical Support Services at Wochholz Regional Water Recycling Facility

Recommendation: That the Board authorize the General Manager to enter into an agreement with Center Electric Services, Inc. for fiscal year 2025-26 for an amount not to exceed $100,000.

Wochholz Regional Water Recycling Facility utilizes multiple processes to ensure incoming wastewater is treated into high quality recycled water while also remaining in compliance with our state regulated discharge permit. Most of the processes rely on electrical equipment to remain in operation.

Some equipment is more vital to our process than others and may potentially need to be addressed immediately, often after hours and/or during weekends. Although District staff is very capable of operating our treatment processes and troubleshooting plant issues, staff does not have the expertise, tools, or training to perform electrical troubleshooting and installations.

Center Electric Services, Inc. has performed several emergency electrical troubleshooting tasks and installations for the District. They have proven to be readily available, capable, and very familiar with wastewater treatment facility equipment.

District staff is requesting your consideration to authorize the General Manager to enter an annual contract with Center Electric Services, Inc., for an amount not to exceed $100,000 which will allow District staff the ability to have an electrical contractor available in a timely manner to troubleshoot and address critical electrical problems that may arise.

Financial Impact

This expense will be funded by the Sewer Fund, R&M Structures [G/L Account # 03-502-51003].

Center Electric Services, Inc.
3679 Van Buren Blvd.
Riverside, CA 92503

Estimate

Date	Estimate #
5/14/2025	1661

Name / Address
Yucaipa Valley Water District P.O. Box 730 Yucaipa, CA 92399-0730

Description	Rate
Rates to be adjusted per DIR requirements only if needed.	
Center Electric Services, Inc. can provide services for: Medium/Low Voltages, Building wiring, Lighting, General Electrical, VFD install/repairs, Controls, SCADA, Radio/Copper/Fiber Communications, AutoCad, Thermal Imaging, Maintenance and many other value added services.	
(1) Service calls same day as needed per your requirement. 24/7 tech on call.	
(2) Four full time field staff members.	
(3)Key Personnel: Mike Munksgaard, Mike Falsetti, Brian Menzies and Curtis Bowman.	
(4) 4 hour minimum charge for emergency service calls.	
PREVAILING RIVERSIDE (Master and Journeyman) Next increase is 12/29/25 or when determined by DIR	
Riverside County 1.0 Straight Time Prevailing Rate, Inside Wireman.	135.05
Riverside County 1.5 Time Prevailing Rate, Inside Wireman.	180.25
Riverside County 2.0 Time Prevailing Rate, Inside Wireman.	225.45
APPRENTICE. Next increase is 12/29/25	
Prev App 1.0	117.74
Prev App 1.5	154.86
Prev App 2.0	191.98
Truck with speciality tools (threaders, benders, ladders, etc.) per hour.	21.00
CESI Lift Charge, per hour.	40.00
AutoCAD, per hour.	125.00
Bond @ Cost typically 3%	
Thermal Image Camera per hour plus cost of technician.	25.00
Power Monitor per day	100.00
Office Tech: labor for compliance or other items requiring office personnel.	95.00
Fuel surcharge, only if needed.	0.00

Thank you for your business.

Subtotal	$0.00
Sales Tax (0.0%)	$0.00
Total	$0.00

Lic. C10-165246
DIR #1000008887
Ph 951 688-6865
mike@centerelectric.net

CHAMPION ELECTRIC INC.
Believers in Excellence!

2025 "PUBLIC" SERVICE RATES

These hourly rates shall apply to Pre-Scheduled Service, Emergency Service, and change orders or extra work where applicable to an existing contract in progress. All work that has been previously quoted or otherwise agreed is not applicable**

CLIENT/PROJECT TYPE	LABOR TYPE	STRAIGHT TIME	OVERTIME	PREMIUM
All / Public Projects	Electrician	$145.00	$180.00	$218.00
All / Public Projects	Project Manager	$107.00	$140.00	N/A
All / Public Projects	Administrator	$65.00	$100.00	N/A
All / Public Projects	Emergency Electrician	N/A	$180.00	$218.00

Note: "Public" where noted above refers to public and publicly funded entities. Rates above are per hour. Certified Payroll for prevailing wage provided as required.

RATE DEFINITIONS:

STRAIGHT TIME	6AM - 6PM	Mon-Fri	Up to 8 Hours
OVERTIME*	ALL TIMES	Mon-Fri	After 8 Hour shift or 6am-6pm Saturday
PREMIUM*	ALL TIMES	Mon-Fri	After 12 hours or Sundays and Holidays

OTHER CHARGES: (As applicable)

1. **Service Truck $24.50 per hour**
2. Champion Scissor Lift $40 per hour (**Minimum $100.00/project)*
3. Materials will be charged at our invoice cost or *market price, plus 15% overhead and 20% mark up.
4. Other costs for outside-services, such as rented equipment and Sub-Contractors, will be charged at our invoiced cost plus 15% overhead and 20% markup.

SERVICE DEFINITIONS:

LABOR: All labor types accrue at an hourly rate for any an all tasks provided toward the completion of the services provided including; acquiring materials, tools and supplies, documentation and research.

PRESCHEDULED SERVICE *(72 Hour Notice or Sooner When Available)*

8 hours or more per day: Time starts at jobsite. Time ends at site departure.

Less than 8 hours per day: Time starts 15 minutes prior to site arrival. Time ends at site departure.

Over 40 miles or 40 minutes from Champion Shop: *Travel time will be charged.

24 HOUR & EMERGENCY SERVICE *(Immediate Dispatch)*

All hours: Time starts at dispatch, including travel time "portal to portal".

Minimum charges: 2 hours Monday- Thursday; 4 hours Friday- Sunday

Response Times: 2 hours, subject to availability due to other concurrent emergency calls.

**Overtime or Premium rates apply*

** **Terms are 100% due Net 30 Days.**

** **Minimum Service Invoice $250.00**

* Inquire for further details

By signing below, I hereby acknowledge that I have read and fully understand this document and I agree to its rates and payment terms.

Signature of the Client *Date* *Client Number / Name*

Phone: 951-276-9619 *3950 Garner Road, Riverside, CA 92501* *Fax: 951-276-1460*
License # 744374
www.championelec.com

Yucaipa Valley Water District

Director Memorandum 25-198

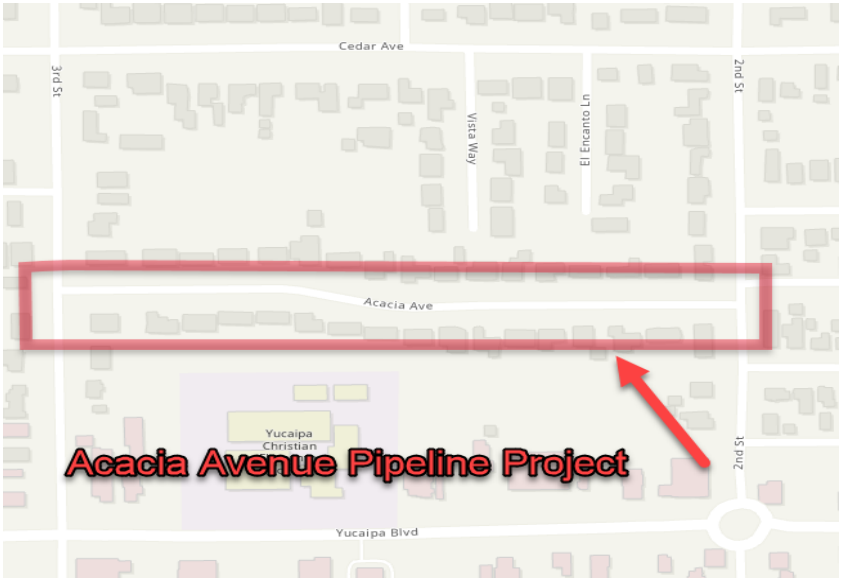
Date: October 7, 2025 **Task:** 135183

Prepared By: Mike Rivera, Public Works Manager

Subject: Notice of Completion of the Acacia Avenue Pipeline Project, City of Yucaipa

Recommendation: That the Board: (1) authorize the Chief Financial Officer to execute and file the Notice of Completion for the pipeline project on Acacia Avenue; and (2) adopt Resolution No. 2025-67 returning $123,001 to the Infrastructure Reserves fund as a result of project savings.

Yucaipa Valley Water District owns and operates a drinking water distribution system that requires continuous maintenance and replacement of aging infrastructure. The District continues to improve infrastructure through pipeline replacements to improve service reliability, water quality, and fire protection. The new pipeline replaces a 4-inch steel line that was prone to main line failures and is at the end of its useful life.



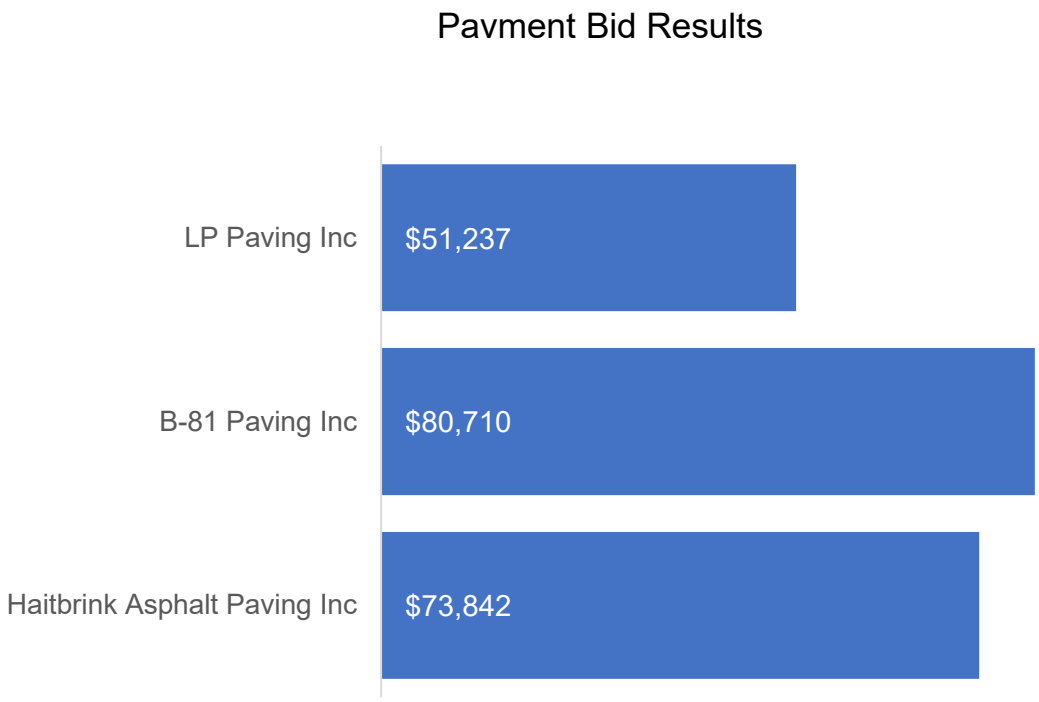
The Acacia Avenue Pipeline replacement project included the installation of 8-Inch Ductile Iron Pipe (“DIP”) for 1,200 linear feet, 33 water services, and 4 fire hydrants. The increased diameter of the mainline and current design standards has enhanced operational performance, reductions in water loss and leak repair costs and improved fire protection.

District Staff has recently completed the replacement of the drinking water pipeline. At the time the Board approved the transfer of Infrastructure Reserves funding on May 5, 2025, this was an estimate for the material and paving costs for the project [Director Memorandum 25-093, Resolution 2025-32]. After reconciling the final project costs, the District completed the project below initial estimates, saving a net total of $60,699 which will be returned to the Infrastructure Reserves account. LP Paving and Grading, Inc. was the low bid for paving and a purchase order was issued to the vendor on September 11, 2025 and the job has been completed. This bid was $62,302 less than initial paving estimates.

	Estimate	Actual	(Over)/Under
Paving Costs	$113,536	$51,237	$62,302
Materials/Parts	$167,662	$106,963	$60,699
TOTAL	**$281,196**	**$152,460**	**$123,001**

Financial Impact:

District staff prepared a construction estimate for the pipeline totaling $535,893.00. The requested transfer of reserve funds is only for the cost of the paving and materials totaling $281,196.00. As a result of net savings in total costs, $123,001 will be returned to the Water Fund, Infrastructure Reserves account for future projects and/or the purchase of new vehicles/equipment. [G/L Account # 02-000-10311].



RESOLUTION NO. 2025-67

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT TRANSFERRING FUNDS WITHIN THE WATER FUND AS TRANSFER NO. 22 FOR FISCAL YEAR 2026

WHEREAS the Yucaipa Valley Water District recognizes the importance of funding projects and programs within the District with funds set aside for this purpose, and

WHEREAS, the Board of Directors has authorized a transfer from the Infrastructure Reserves fund for an estimated materials and paving costs. After project completion, the District staff completed the project under budget and will return the savings to the Infrastructure Reserve Fund. [Director Memorandum 25-198].

NOW, THEREFORE, the Board of Directors of the Yucaipa Valley Water District hereby RESOLVE, DETERMINE, and ORDER as follows:

Section 1: Fund Transfer No. 22 in the amount of $123,001 to the Water Infrastructure Reserves (02-000-10311).

PASSED, APPROVED and ADOPTED this 7th day of October 2025.

YUCAIPA VALLEY WATER DISTRICT

Jay Bogh, President Board of Directors

ATTEST:

Allison M. Edmisten, Chief Financial Officer

Record Without Fee
Per Govt. Code 6103

Recording Requested By:
Yucaipa Valley Water District

And When Recorded Mail To:
Yucaipa Valley Water District
P.O. Box 730
Yucaipa, CA 92399

SPACE ABOVE THIS LINE FOR RECORDERS USE

NOTICE OF COMPLETION

Project Number/CMMS Number: 135183
Director Memorandum Number for Authorization: DM 25-093
Director Memorandum Number for Notice of Completion: DM 25-?

Notice pursuant to Civil Code Section 3093, must be filed within 10 days after completion.
Notice is hereby given that:

1. The undersigned is owner or corporate officer of the owner of the interest in the property hereinafter described:
2. The full name of the owner is Yucaipa Valley Water District
3. The full address of the owner is 12770 Second Street, Yucaipa, CA 92399
4. The Nature of the Interest or Estate of the Undersigned is: In Fee
5. A work performed hereinafter described was completed on October 7, 2025. The work done was: The replacement of 1200 linear feet of 8-inch ductile iron pipe, 33 water services and 4 fire hydrants.
6. The name of the contractor for such work was: Yucaipa Valley Water District Staff – Pipeline and LP Paving and Grading Inc. for paving
   (Date of Contract)
7. The property on which said work was complete in the City of Yucaipa
   County of San Bernardino, State of CA, and is described as APN:
8. The street address of said property is Acacia Avenue – 1,200 linear feet
   (if no street address has been assigned, insert "none")

Dated October 7, 2025

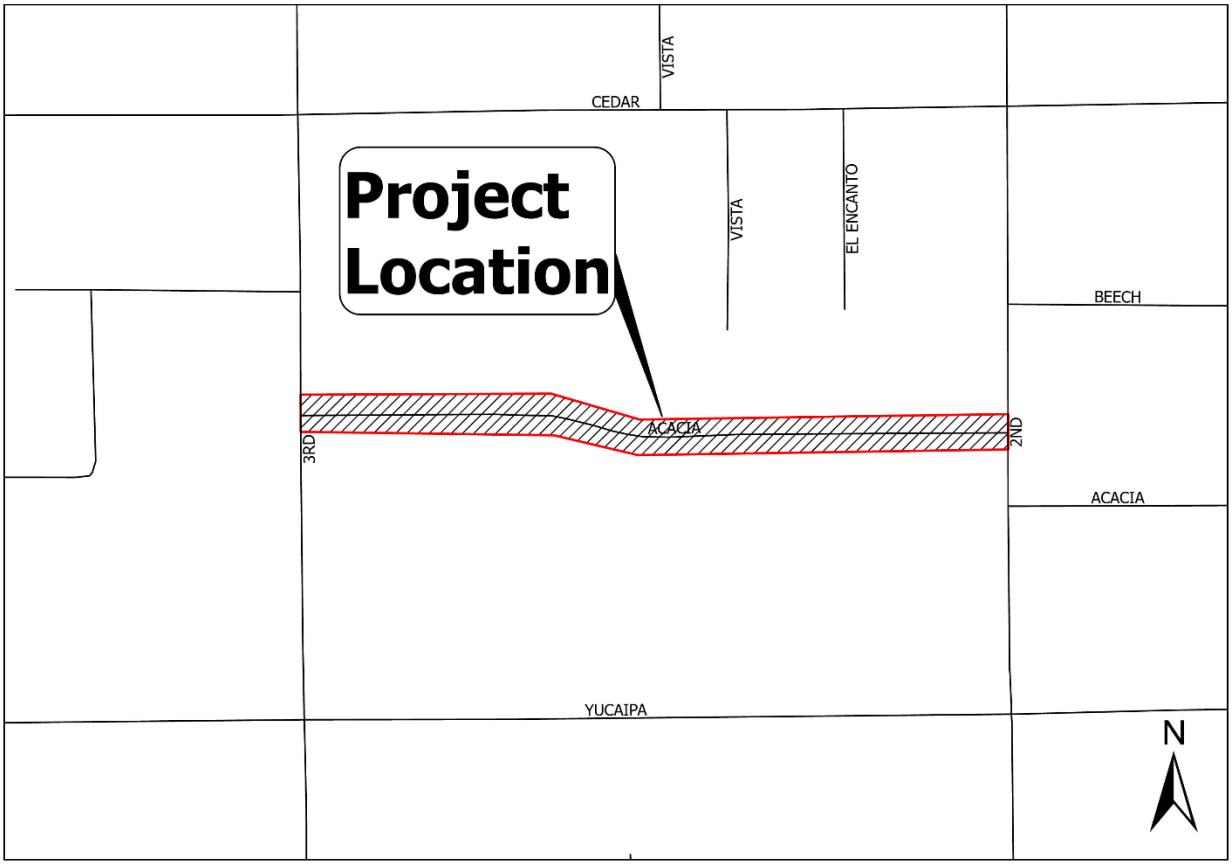
Mike Rivera, Public Works Manager
Yucaipa Valley Water District

Verification

I, the undersigned, say: I am the General Manager of the Declarant of the foregoing Notice of Completion; I have read said Notice of Completion and know the comments thereof; the same is true to my knowledge. I declare under penalty of perjury that the foregoing is true and correct.

Executed on October 7th, 2025 at Yucaipa, CA.

Allison M. Edmisten, Chief Financial Officer
Yucaipa Valley Water District



LOCATION MAP

Yucaipa Valley Water District

Director Memorandum 25-199

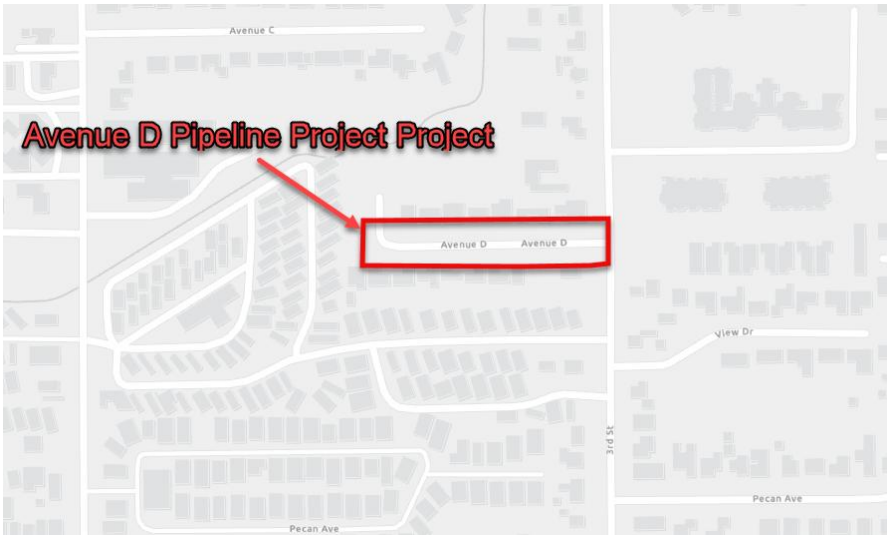
Date: October 7, 2025 **Task:** 124383

Prepared By: Mike Rivera, Public Works Manager

Subject: Notice of Completion of the Avenue D Pipeline Project, City of Yucaipa

Recommendation: That the Board: (1) authorize the Chief Financial Officer to execute and file the Notice of Completion for the pipeline project on Avenue D; and (2) adopt Resolution No. 2025-68 returning $11,903 to the Infrastructure Reserves fund as a result of project savings.

Yucaipa Valley Water District owns and operates a drinking water distribution system that requires continuous maintenance and replacement of aging infrastructure. The District continues to improve infrastructure through pipeline replacements to improve service reliability, water quality, and fire protection. The existing 4-inch steel pipeline is prone to main line failures and is at the end of its useful life.



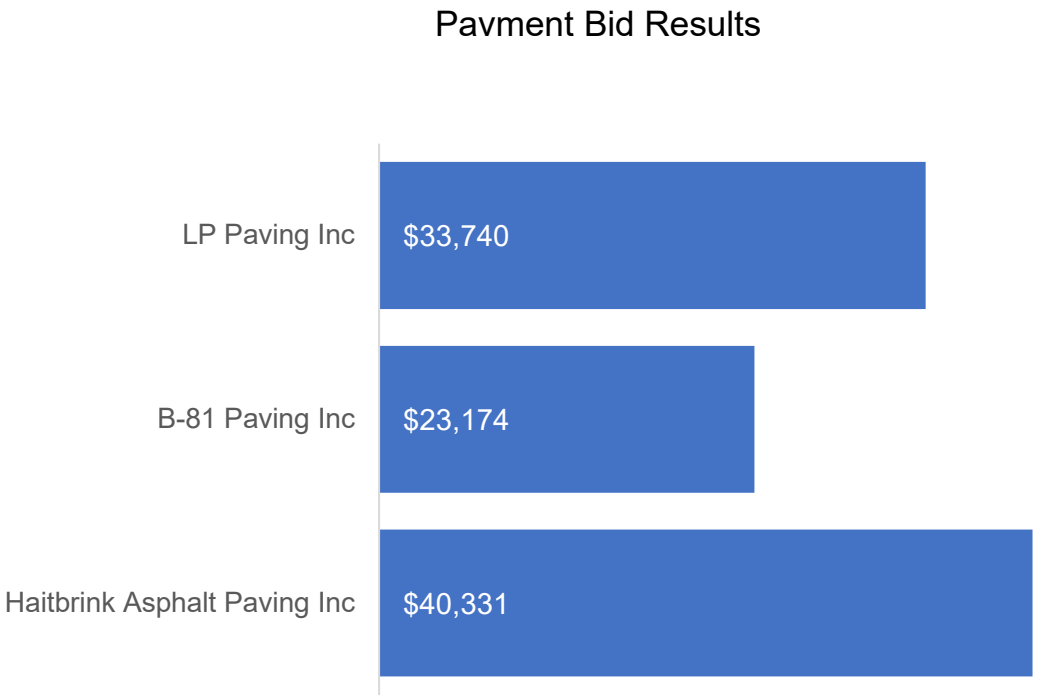
The Avenue D Pipeline replacement project included the installation of 8-Inch Ductile Iron Pipe ("DIP") for 580 linear feet, 17 water services, and 2 fire hydrants. The increased diameter of the mainline and current design standards has enhanced operational performance, reductions in water loss and leak repair costs and improved fire protection.

District Staff has recently completed the replacement of the drinking water pipeline. At the time the Board approved the transfer of Infrastructure Reserves funding on March 19, 2024, this was an estimate for the material and paving costs for the project [Director Memorandum 24-055, Resolution 2024-22]. After reconciling the final project costs, the District completed the project below initial estimates, saving a net total of $11,903 which will be returned to the Infrastructure Reserves account. LP Paving and Grading, Inc. was the low bid for paving and a purchase order was issued to the vendor on September 11, 2025 and the job has been completed.

	Estimate	Actual	(Over)/Under
Paving Costs	$38,573	$33,740	$4,833
Materials/Parts	$66,169	$59,099	$7,070
TOTAL	**$104,742**	**$92,839**	**$11,903**

Financial Impact:

District staff prepared a construction estimate for the pipeline totaling $180,864.00. The requested transfer of reserve funds is only for the cost of the paving and materials totaling $104,742.00. As a result of net savings in total costs, $11,903 will be returned to the Infrastructure Reserves for future projects and/or the purchase of new vehicles/equipment. [G/L Account # 02-000-10311].



RESOLUTION NO. 2025-68

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT TRANSFERRING FUNDS WITHIN THE WATER FUND AS TRANSFER NO. 23 FOR FISCAL YEAR 2026

WHEREAS the Yucaipa Valley Water District recognizes the importance of funding projects and programs within the District with funds set aside for this purpose, and

WHEREAS, the Board of Directors has authorized a transfer from the Infrastructure Reserves fund for an estimated materials and paving costs. After project completion, the District staff completed the project under budget and will return the savings to the Infrastructure Reserve Fund. [Director Memorandum 25-199].

NOW, THEREFORE, the Board of Directors of the Yucaipa Valley Water District hereby RESOLVE, DETERMINE, and ORDER as follows:

Section 1: Fund Transfer No. 23 in the amount of $11,903 to the Water Infrastructure Reserves (02-000-10311).

PASSED, APPROVED and ADOPTED this 7th day of October 2025.

YUCAIPA VALLEY WATER DISTRICT

Jay Bogh, President Board of Directors

ATTEST:

Allison M. Edmisten, Chief Financial Officer

Record Without Fee
Per Govt. Code 6103

Recording Requested By:
Yucaipa Valley Water District

And When Recorded Mail To:
Yucaipa Valley Water District
P.O. Box 730
Yucaipa, CA 92399

SPACE ABOVE THIS LINE FOR RECORDERS USE

NOTICE OF COMPLETION

Project Number/CMMS Number: 124383
Director Memorandum Number for Authorization: DM 24-055
Director Memorandum Number for Notice of Completion: DM 25-?

Notice pursuant to Civil Code Section 3093, must be filed within 10 days after completion.
Notice is hereby given that:

1. The undersigned is owner or corporate officer of the owner of the interest in the property hereinafter described:
2. The full name of the owner is Yucaipa Valley Water District
3. The full address of the owner is 12770 Second Street, Yucaipa, CA 92399
4. The Nature of the Interest or Estate of the Undersigned is: In Fee
5. A work performed hereinafter described was completed on October 7, 2025. The work done was: The replacement of 580 linear feet of 8-inch ductile iron pipe, 17 water services and 2 fire hydrants.
6. The name of the contractor for such work was: Yucaipa Valley Water District Staff – Pipeline and LP Paving and Grading Inc. for paving
   (Date of Contract)
7. The property on which said work was complete in the City of Yucaipa
   County of San Bernardino, State of CA, and is described as APN:
8. The street address of said property is Avenue D – 580 linear feet
   (if no street address has been assigned, insert "none")

Dated October 7, 2025

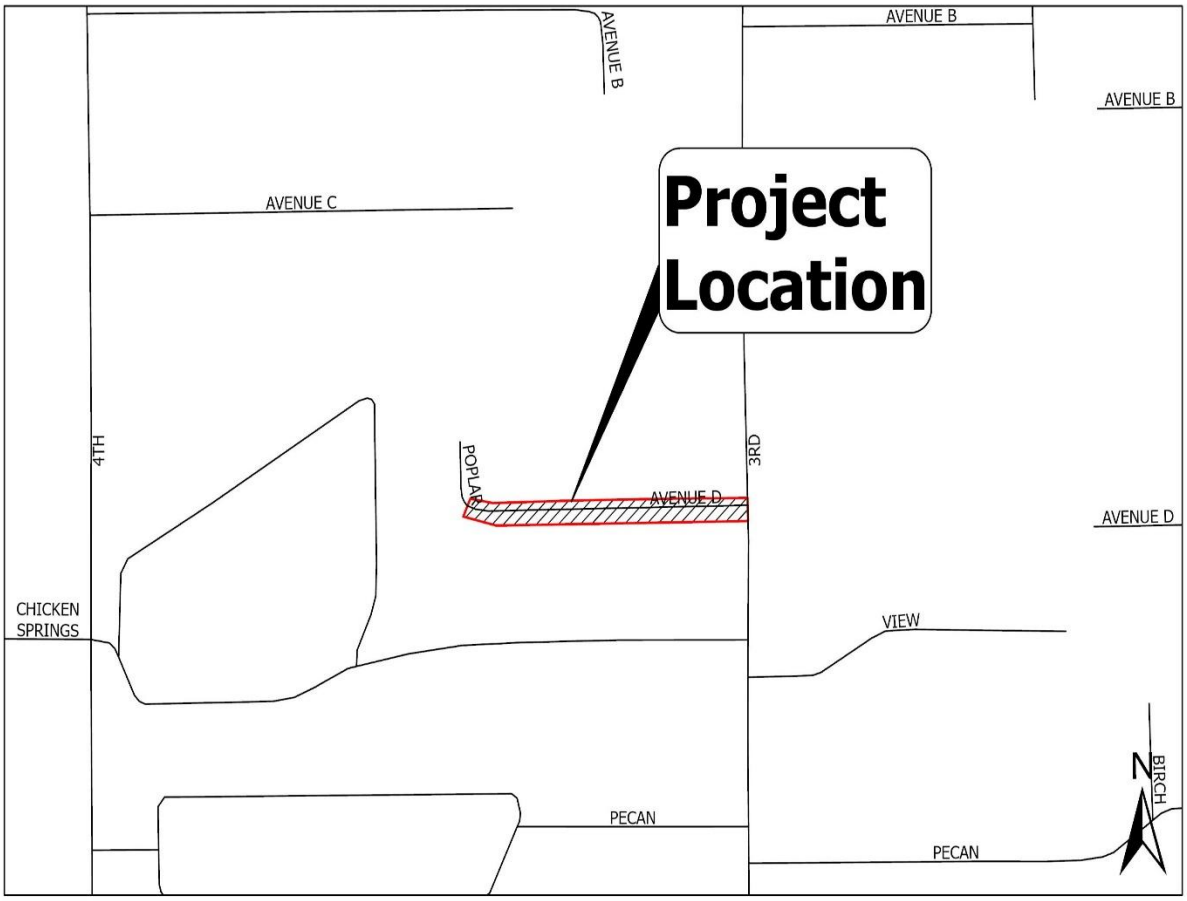
Mike Rivera, Public Works Manager
Yucaipa Valley Water District

Verification

I, the undersigned, say: I am the General Manager of the Declarant of the foregoing Notice of Completion; I have read said Notice of Completion and know the comments thereof; the same is true to my knowledge. I declare under penalty of perjury that the foregoing is true and correct.

Executed on October 7th, 2025 at Yucaipa, CA.

Allison M. Edmisten, Chief Financial Officer
Yucaipa Valley Water District



LOCATION MAP

Yucaipa Valley Water District

Director Memorandum 25-200

Date: October 7, 2025 **Task:** 139607

Prepared By: Sean Ferris, Water Treatment Supervisor

Subject: Consideration of Installation of Quick Connect Leads to Eleven Drinking Water Sites for Yucaipa Valley Water District's Portable Emergency Back-up Generators

Recommendation: That the Board: (1) authorize the installation of quick connect leads by Center Electric Services, Inc. for a sum not to exceed $94,770.00; and (2) adopt Resolution No. 2025-70 transferring reserve funds in the amount of $94,770.00 for the cost of the installation.

During past emergencies, the Yucaipa Valley Water District has hired electrical contractors to connect portable generators to wells and boosters in our distribution system during public safety power shutoff (PSPS) outage events. This practice has proven to be difficult, especially since these PSPS events are predicted to happen more often due to the red-flag conditions we experience in the Yucaipa Valley. With the option to deliver and connect the portable generators by District staff, we will be independent from Southern California Edison (SCE) and electrical contractors who are incredibly busy during these events.

The scope of the work is to include connecting leads with quick connects to the 11 sites' existing electrical equipment. Additionally, transfer switches will be installed to protect both the District equipment and the power grid. Transfer switches will allow the District to isolate the sites and provide safer connections to the portable generators. When the PSPS event is over, staff will disconnect the generators and transfer power back to SCE.

Financial Impact:

The cost of this installation will be funded by the Water Fund, Infrastructure Reserves [G/L Account # 02-000-10311].

RESOLUTION NO. 2025-70

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT TRANSFERRING FUNDS WITHIN THE WATER FUND AS TRANSFER NO. 26 FOR FISCAL YEAR 2026

WHEREAS, the Yucaipa Valley Water District prepares for emergency events to ensure minimal disruptions to it's facilities;

WHEREAS, the Yucaipa Valley Water District recognizes the importance of routinely funding purchases with funds set aside for this purpose, and

WHEREAS, the Board of Directors has authorized the installation of quick connect leads for generators at 11 District sites by Center Electric Services, Inc. for a sum not to exceed $94,770.00 [Director Memorandum No. 25-200] and authorized the use of reserve funds for these expenditures as provided below.

NOW, THEREFORE, the Board of Directors of the Yucaipa Valley Water District hereby RESOLVE, DETERMINE, and ORDER as follows:

Section 1: Fund Transfer No. 26 in the amount of $94,770.00 from the Water Fund Infrastructure Reserves (02-000-10311) to fund the installation of quick connect leads at 11 District sites.

PASSED, APPROVED and ADOPTED this 7th day of October 2025.

YUCAIPA VALLEY WATER DISTRICT

Jay Bogh, President Board of Directors

ATTEST:

Allison M. Edmisten, Chief Financial Officer

Center Electric Services, Inc.
3679 Van Buren Blvd.
Riverside, CA 92503

Estimate

Date	Estimate #
9/10/2025	1650A

Name / Address
Yucaipa Valley Water District P.O. Box 730 Yucaipa, CA 92399-0730

Description	Total
Job Description:Material and Labor to install Transfer switch, generator connections and wiring for site specified. Tariffs will make parts pricing volatile.*****Material prices change daily, these prices are good for 24hrs. We will hold prices for 30 days if no change from vendor. *****	0.00
Temp Generator: Only require generator connections, transfer switches are already installed. We are matching the Service size for the generator connection size.	
1) B15.3 480/277vac 600amp main. Manual transfer switch installed. 150 hp X 2. Max HP to be run on generator is 1 each 150 hp. Suggest 300KW Generator, TO BE DETERMINED BY MANUFACTURER. Requires 6 power and 1 ground connection. Installed on cabinet.	3,500.00
2) B16.5 480/277vac 600amp main. Manual transfer switch installed. 125 hp X 2. Max HP to be run on generator is 1 each 125 hp. Suggest 250KW Generator, TO BE DETERMINED BY MANUFACTURER. Requires 6 power and 1 ground connection. Installed on cabinet	3,500.00
3) B14.2 480/277vac 600amp main. Manual transfer switch installed. 100 hp X 1 and 125 hp X 1. Max HP to be run on generator is 1 each 125 hp. Suggest 250KW Generator, TO BE DETERMINED BY MANUFACTURER. Requires 3 power and 1 ground connection with a box.	4,500.00
4) B12.2 480/277vac 400amp main. Manual transfer switch installed. 125 hp X 3. Max HP to be run on generator is 1 each 125 hp. Suggest 250KW Generator, TO BE DETERMINED BY MANUFACTURER. 3 power and 1 ground connection with a box.	4,500.00
5) B17.4 480/277vac 400amp main. No transfer switch installed. 40 hp X 3. Max HP to be run on generator is 1 each 40 hp. Suggest 80KW Generator, TO BE DETERMINED BY MANUFACTURER. Needs 400amp transfer switch. Requires 3 power and 1 ground connection.	2,990.00
400 amp Transfer switch installed.	9,990.00
6) B13.2 480/277vac 200amp main (Service not sized correctly for Hp). No transfer switch installed. 125 hp X 1. Max HP to be run on generator is 1 each 125 hp. Suggest 250KW Generator, TO BE DETERMINED BY MANUFACTURER. Needs 400amp transfer switch. Requires 3 power and 1 ground connection.	2,990.00
400 amp Transfer switch installed	12,990.00

This estimate may be withdrawn at anytime by Center Electric.

Lic. C10-165246
DIR #1000008887
Ph 951 688-6865

Total

Page 1

Center Electric Services, Inc.
3679 Van Buren Blvd.
Riverside, CA 92503

Estimate

Date	Estimate #
9/10/2025	1650A

Name / Address
Yucaipa Valley Water District P.O. Box 730 Yucaipa, CA 92399-0730

Description	Total
7) W44 480/277vac 250amp main. No transfer switch installed. 125 hp X 1. Max HP to be run on generator is 1 each 125 hp. Suggest 250KW Generator, TO BE DETERMINED BY MANUFACTURER. Needs 400amp transfer switch. Requires 3 power and 1 ground connection.	2,990.00
400 amp Transfer switch installed	12,990.00
8) B15.2 480/277vac 200amp main. No transfer switch installed. 50 hp X 2. Max HP to be run on generator is 1 each 50 hp. Suggest 100KW Generator, TO BE DETERMINED BY MANUFACTURER. Needs 200amp transfer switch. 3 power and 1 ground connection.	2,990.00
200 amp Transfer switch installed.	6,950.00
9) B16.22 480/277vac 200amp main. No transfer switch installed. 50 hp X 2. Max HP to be run on generator is 1 each 50 hp. Suggest 100KW Generator, TO BE DETERMINED BY MANUFACTURER. Needs 200amp main disconnect. 3 power and 1 ground connection.	2,990.00
200 amp Disconnect switch installed. Repair existing transfer switch if possible.	6,950.00
10) B13.3 480/277vac 800amp main. Manual transfer switch installed. 200 hp X 2. Max HP to be run on generator is 1 each 200 hp. Suggest 400KW Generator. Requires 6 power and 1 ground connection. Installed on cabinet.	3,500.00
11) B17.2 480/277vac 100amp main. No transfer switch installed. 20 hp X 1. Max HP to be run on generator is 1 each 20 hp. Suggest 40KW Generator. Requires 3 power and 1 ground connection. Installed on cabinet.	3,500.00
100 amp Transfer switch installed.	6,950.00
*****This estimate is good for 24hrs. We will extend if Tariffs have not affected price.	

This estimate may be withdrawn at anytime by Center Electric.

Lic. C10-165246
DIR #1000008887
Ph 951 688-6865

Total $94,770.00

Page 2

PROPOSAL / CONTRACT

CHAMPION ELECTRIC INC.
Believers in Excellence!

PROPOSAL NO. JN25 -11848 Page 1 of 2 PROPOSAL DATE: 9/10/2025

CLIENT	PROJECT LOCATION
YUCAIPA VALLEY WATER DISTRICT 12770 SECOND ST YUCAIPA, CA 92399	YUCVWD024 - 35477 OAK GLEN RD 35477 OAK GLEN RD YUCAIPA, CA 92399

PROJECT NAME: Back up Power Connections for (11) sites.

PROPOSAL DESCRIPTION

This proposal totals all sites on one proposal, refer to each site proposal for site details.

QUALIFICATIONS

INCLUSION	Provide labor during "Normal Business Hours" (Monday through Friday / 7AM to 4PM, No Holidays).
INCLUSION	Provide labor at prevailing wage rates per the DIR Project or contract date and county if a DIR Project ID is not provided, as required.
INCLUSION	FACILITY 12.2 - $2,550.00
INCLUSION	FACILITY 13.2 - $17,650.00
INCLUSION	FACILITY 13.3 - $12,800.00
INCLUSION	FACILITY 14.2 - $2,950.00
INCLUSION	FACILITY 15.2 - $8,550.00
INCLUSION	FACILITY 15.3 - $3,500.00
INCLUSION	FACILITY 16.22 - $7,250.00
INCLUSION	FACILITY 17.2 - $6,590.00
INCLUSION	FACILITY W-44 - $16,900.00
INCLUSION	FACILITY 17.4 - $14,275.00
INCLUSION	FACILITY 16.5 - $3,500.00
EXCLUSION	Provide any and all permits, plans or associated costs, that may be needed for this scope of work.
EXCLUSION	Provide any and all restoration of finish surfaces that may be altered in any way do to this scope of work, such as: patching surfaces, painting, pressure washing, landscaping etc.
EXCLUSION	Provide any and all work or costs not specifically noted in this scope of work, that may be required by local authority.
EXCLUSION	Provide any and all troubleshooting of existing electrical systems and equipment.
EXCLUSION	Provide low voltage (50 volts or less) cabling, equipment, and terminations.
EXCLUSION	Provide any temporary fencing, power or lighting, and all associated costs and requirements.
EXCLUSION	Provide any any all "BIM" or "CAD" drawings, models, or coordination.
EXCLUSION	Provide any and all Payment and Performance Bonds.
ASSUMPTION	Clients electrical systems and equipment are in good working order and not in need of maintenance or repair.
ASSUMPTION	Client shall provide reasonable access to all areas required to complete this scope of work.

----------END OF SCOPE OF WORK----------

*Please review the TERMS and WARRANTY on the final page. To accept and commision this work: review, sign and return this proposal to your Account Manager.

PROPOSAL / CONTRACT

CHAMPION ELECTRIC INC.
Believers in Excellence!

PROPOSAL NO. JN25 -11848 Page 2 of 2 PROPOSAL DATE: 9/10/2025

CLIENT	PROJECT LOCATION
YUCAIPA VALLEY WATER DISTRICT 12770 SECOND ST YUCAIPA, CA 92399	YUCVWD024 - 35477 OAK GLEN RD 35477 OAK GLEN RD YUCAIPA, CA 92399

PROJECT NAME: Back up Power Connections for (11) sites.

PROPOSAL DESCRIPTION

This proposal totals all sites on one proposal, refer to each site proposal for site details.

PROPOSAL PRICE

All of the above work is to be completed as noted and in a substantial and workmanlike manner according to standard practices for the sum of: **$96,515.00**

WARRANTY

We hereby guarantee that the scope of work shall be completed as noted in this proposal unless an otherwise agreed and authorized change is accepted by both parties. We agree to repair or replace any or all of such work that may prove to be defective in workmanship or material together with any other adjacent work which may be displaced in connection with such replacement within a period of One (1) Year from the date of acceptance of this proposal. Ordinary wear and tear and unusual abuse or neglect excepted.

TERMS

The entire amount of the contract is to be paid within 30 days after completion. This proposal is valid for 30 days and if accepted by that time, work will commence TBD after acceptance and will be substantially completedapproximately TBD thereafter subject to delays caused by acts of God, stormy weather, uncontrolled labor trouble, or unforeseen contingencies.

If any suit be commenced on this contract or any other legal proceedings be taken to protect or conserve the rights of CHAMPION ELECTRIC, INC. to enforce the payment of any amount due under this contract and/or should be necessary to employ an attorney to enforce payment of any sum agreed to shall be added to such amount and be paid to CHAMPION ELECTRIC, INC. or it's assigns, for attorney's fees.

Payment of this Contract is due and payable on delivery and delinquent thirty days after date of invoice. Timely payment is appreciated and encouraged to avoid further collection actions. Buyer agrees to pay a late charge equal to 1.5% per month (18% per annum) applied to the amount of any monies not timely paid. In the event that legal action is commenced to enforce payment from Buyer, the prevailing party in such litigation shall be entitled to recover reasonable attorney fees and court costs.

NOTICE TO OWNER

"Under the Mechanics' Lien Law (Section 7018. California Business and Professional Code) any contractor, subcontractor, laborer, supplier or other person who helps to improve your property but is not paid for his work or supplies, has a right to enforce a claim against your property. This means that, after a court hearing, your property could be sold by a court officer and the proceeds of the sale used to satisfy the indebtedness.

Contractors are required to be licensed and regulated by the Contractors State License Board. Any questions concerning a contractor may be referred to the register of the board whose address is:

Contractors State License Board
9821 Business Park Drive, Sacramento, CA 95814
(800) 321-CSLB (2752)

We like you!

Proposed by:

Johnathan Novoa, Account Manager
951-529-4957
jnovoa@championelec.com

09/10/2025

Accepted by:

PRINT NAME

TITLE

SIGN DATE

CHAMPION ELECTRIC INC.
LICENSE #744374 B, C10 DIR Registration Number 1000001571
3950 GARNER ROAD, RIVERSIDE, CA 92501 | 951-276-9619 | www.championelec.com

HERZOG ELECTRIC

15709 Illinois Avenue,
Paramount, CA 90723
(562) 531.2002
herzogelectric.com

BID PROPOSAL

TO: Sean Ferris
COMPANY: Yucaipa Valley Water District
PROJECT TITLE: Generator Connections
FROM: Greyson Smith
BID DATE: 9-10-25
BID NO: 13783 **Bid Valid for 30 Days**

SCOPE OF WORK: Provide and install at (11) Locations new Camlock Boxes/Kirk Keys/ and Transfer Switches as required per Water District provided scope of work and Site Visit.

Includes	
1.	B-15.3: PROVIDE AND INSTALL (1) 400AMP NEMA 3R LOCKABLE CAMLOCK BOX INSTALLED NEXT TO MAIN SERVICE. PROVIDE AND INSTALL (1) KIRK KEY INTERLOCK FOR LOAD TRANSFER. DEMO OLD GENERATOR RECEPTACLE.
2.	B-16.22: PROVIDE AND INSTALL (1) 480/277V 3P4W 100AMP, NEMA 3R LOCKABLE CAM LOCK BOX. PROVIDE AND INSTALL (1) NEW CAM LOCK BOX LEFT OF MAIN DISCONNECT ON EXISTING RACK.
3.	R-12.2 DEMO OLD GENERATOR RECEPTACLE. PROVIDE AND INSTALL (1) NEW 200AMP NEMA 3R LOCKABLE CAMLOCK BOX IN PLACE OF OLD GENERATOR RECEPTACLE.
4.	R-13.2 PROVIDE AND INSTALL (1) NEW 200AMP MANUAL TRANSFER SWITCH. PROVIDE AND INSTALL (1) NEW 200AMP NEMA 3R LOCKABLE CAM LOCK BOX. PROVIDE AND INSTALL NEW EQUIPMENT AT EXISTING PUMP SKID PAD.
5.	R-13.3 PROVIDE AND NSTALL (1) NEW 480/277V 3P4W 400AMP NEMA 3R LOCKABLE CAMLOCK BOX ON EXTERIOR OF BUILDING. PROVIDE AND INSTALL (1) KIRK KEY INTERLOCK FOR LOAD TRANSFER. PROVIDE AND INSTALL 15' MAX NEW CONDUIT FEEDER.
6.	R-14.2 PROVIDE AND INSTALL (1) NEW 480/277V 3P4W 400AMP NEMA 3R CAMLOCK BOX. PROVIDE AND INSTALL 30'MAX NEW CONDUIT FEEDER TO EXTERIOR OF BUILDING FOR NEW CAMLOCK BOX. PROVIDE AND INSTALL (1) CORE AND FIRE SEAL THROUGH EXISTING BLOCK WALL.
7.	R-15.2 PROVIDE AND INSTALL (1) NEW 480/277V 3P4W 200AMP NEMA 3R CAMLOCK BOX. INSTALL NEW CAMLOCK BOX BEHIND EXISITING EQUIPMENT ON RACK.
8.	R-16.5 PROVIDE AND NSTALL (1) NEW 400AMP NEMA 3R LOCKABLE CAMLOCK BOX INSTALLED NEXT TO MAIN SERVICE. PROVIDE AND INSTALL (1) KIRK KEY INTERLOCK FOR LOAD TRANSFER.
9.	R-17.4 PROVIDE AND INSTALL (1) NEW 400AMP NEMA 3R MANUAL TRANSFER SWITCH NEXT TO MAIN SERVICE. PROVIDE AND INSTALL (1) NEW 400AMP CAM LOCK BOX NEMA 3R MOUNTED ON OUTISDE WALL. PROVIDE AND INSTALL 30'MAX OF NEW CONDUIT FEEDER FOR NEW CAMLOCK BOX. PROVIDE CORING AND FIRE SEAL AS REQUIRED.

HERZOG ELECTRIC
15709 Illinois Avenue,
Paramount, CA 90723
(562) 531.2002
herzogelectric.com

10.	R-17-2 PROVIDE AND INSTALL (1) NEW 100AMP NEMA 3R MANUAL TRANSFER SWITCH LOCKABLE ON OUTSIDE WALL OF PUMP ROOM. PROVIDE AND INSTALL (1) NEW 100AMP CAM LOCK BOX NEMA 3R ADJACENT TO TRANSFER SWITCH. INTERCEPT EXISTING FEEDER FROM SERVICE AND EXTEND TO TRANSFER SWITCH. RE-FEED EXSITING LOADS FROM NEW TRANSFER SWTICH.
11.	W-44 PROVIDE AND INSTALL (1) NEW 200AMP TRANSFER SWITCH NEMA 3R. PROVIDE AND INSTALL (1) NEW 200AMP CAM LOCK BOX NEMA 3R. INSTALL NEW EQUIPMENT ON EXSITING RACK, EXTEND EQUIPMENT RACK ADD POST. PROVIDE AND INSTALL 30'MAX NEW CONDUIT FEEDER FOR NEW TRANSFER SWITCH AND CAM LOCKBOX.
12.	ALL WORK ESTIMATED ON REGULAR HOURS.
13.	ALL CONDUCTOR TERMINATIONS AND FIELD TESTING BY HERZOG.
14.	ALL INTERCONNECTING CONDUIT FEEDERS INCLUDES CONDUCTORS, FITTINGS, ETC.
15.	CORING AND FIRE SEAL FOR OUR CONDUIT PENETRATIONS.
Exclusions	
1.	Electrical Engineering, Structural engineering, or fees.
2.	Overtime, Off Hours work.
3.	Generator Camlock Cables.
4.	Temporary power or generators during utility tie ins.
5.	Painting of conduits or steel.
6.	Modifications to existing gear other than the Kirk Key Installations.
7.	Procurement of new Circuit Breakers in the existing gear. We are assuming we can reuse existing.
8.	Landscaping, Tree, shrub, plant trimming or removal.
9.	3rd party commissioning of system or IR imaging.
10.	Temporary cam lock cables.
11.	Excludes any spare conduits.
12.	Hiring of commissioning agent.
13.	3rd party megger test of wiring.
14.	City Permit cost, and Plan Check Fees.
15.	Installation of bollards.
16.	Excludes coordination study, testing, or UL recertification of existing switchgear.
17.	Any work on utility side of utility connection. Any utility Company permits and or fees.
18.	All Bid, Payment, and or Performance Bonds.
19.	Repair or replace of asphalt or concrete not affected by this scope.
20.	Roof Penetrations and or Patching.
21.	Extended warranties.
22.	Unforeseen Conditions.

HERZOG ELECTRIC
15709 Illinois Avenue,
Paramount, CA 90723
(562) 531.2002
herzogelectric.com

Clarifications			
1.	All work is estimated on Regular Hours.		
2.	Lead time on new Transfer Switches/ Kirk Keys/ Cam Lock Boxes 8- weeks after approval of submittals.		
	We are pleased to provide this Firm Fixed price for the work described above:		
B15.3		$24,174.00	
B16.22		$12,537.00	
R12.2		$13,802.00	
R13.2		$25,155.00	
R13.3		$26,351.00	
R14.2		$26,720.00	
R15.2		$12,708.00	
R16.5		$23,081.00	
R17.4		$42,344.00	
R17.2		$26,954.00	
W44		$29,171.00	

Yucaipa Valley Water District

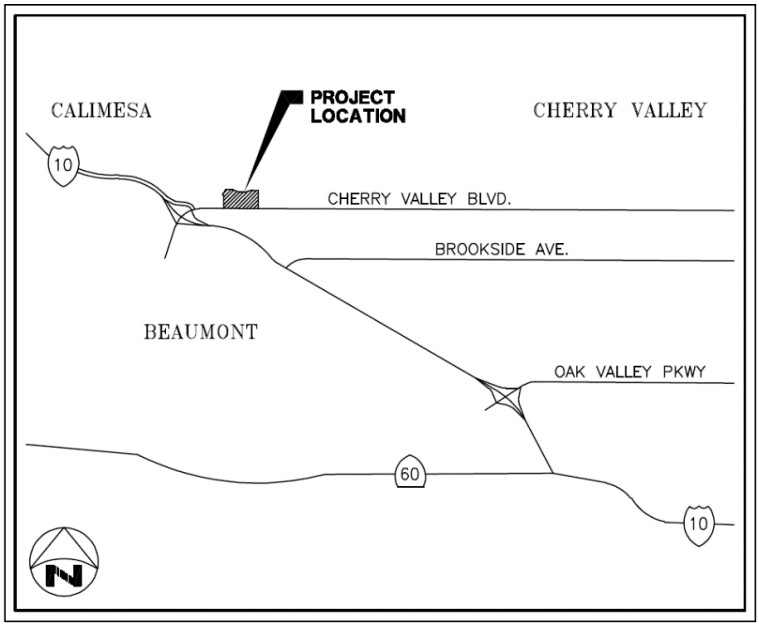
Director Memorandum 25-201

Date: October 7, 2025 **Task:** 95916

Prepared By: Matthew Porras, Director of Engineering

Subject: Notice of Completion and Deductive Contract Change Order for the R-12.5 Recycled Water Reservoir Construction Project - Riverside County

Recommendation: That the Board authorize staff to file the Notice of Completion and execute the deductive contract change order for the Project.



The R-12.5 Recycled Water Reservoir site included the construction of two recycled water reservoirs located adjacent to the commercial warehouse development (Parcel Map 36564) fronting Cherry Valley Boulevard (Northeast of I-10) in Riverside County. The reservoirs are connected to the Pressure Zone 12 recycled distribution system. This project included the installation of all necessary site improvements of a typical District reservoir facility, such as site fencing and security, electrical service, SCADA communication equipment, various valves, fittings, and appurtenances to operate and maintain the reservoirs ("Project"). The reservoirs are 80-ft in diameter, 36-ft tall, and have a volume of approximately 1 million gallons each.

On October 2, 2022, the Board of Directors adopted Resolution No. 2022-46, approving the Notice of Exemption for the Project [Director Memorandum 22-113]. Later in 2022, the District installed the site supply pipeline after the grading of the access road and before the pavement was installed. The site supply pipeline is a 24-inch ductile iron pipe connecting at the easternmost point of the developer installed pipeline and ends at the Project site [Director Memorandum 22-175].

On March 7, 2023, the Board of Directors authorized the General Manager to execute the final American Rescue Plan Act ("ARPA") funding agreement with the County of Riverside. This funding agreement was fully executed and provides $2,300,000 toward the construction cost of the Project [Director Memorandum 23-044].

On August 1, 2023, the Board of Directors authorized the General Manager to solicit bids for the construction of the recycled water R-12.5 reservoir site [Director Memorandum 23-124].

District staff worked with the San Gorgonio Pass Water Agency ("SGPWA") on details of access for maintenance and repair purposes related to the nearby State Water Project infrastructure and the Project site. District staff secured an access easement in favor of the SGPWA across the Project site in exchange for the vacation of an existing easement that conflicts with the design of the site.

The Board awarded a construction contract to Canyon Springs Enterprises ("Contractor") for a sum not to exceed $4,612,090 for the bolted steel design on February 6, 2024 [Director Memorandum 24-022]. The project was bid with both welded steel and bolted steel options. On February 28, 2024 the District issued the Notice to Proceed to the Contractor as all of the contract documents were executed. The Contractor offered to hold their previous bid price for the welded steel tank option of $4,691,090, a difference of $79,000, and the Board approved Contract Chage Order No. 1 on March 5, 2024 [Director Memorandium 24-038]. Addtionally, the Distict responded to the request of the Contractor to extend the contract by 23 days, which is noted in the Contract Change Order No. 1.

Contract Change Order No. 2 was the result of two separate changes to the contract. The first item was a deduction of $25,515.46 for a change to the electrical service line length and associated appurtenances as approved by Southern California Edison. The second item was an increase of $11,945.05 as a result of the fire protection measures that had been dictated by the local fire authority. The protection measures outlined by the fire authority were outside the scope of the contract, yet District staff directed the Contractor to apply these measures during their hot work. The net result of these two items reduced the contract amount by $13,570.41.

Contract Change Oder No. 3 is a result of the unused approved budget for the Project that was not needed to complete the Project and extends the official contract duration to address the delay in energizing the power to the site.

	Contract Changes	Contract Amount	Percentage Change from Original Bid Amount	Reference
Original Bid Amount		$4,612,090.00	- -	DM 24-022
Change Order No. 1	$79,000.00	$4,691,090.00	1.7%	DM 24-038
Change Order No. 2	($13,570.41)	$4,677,519.59	1.4%	DM 24-144
Change Order No 3	($44,164.91)	$4,633,354.68	0.5%	DM 25-201

The Contractor has successfully completed all items of work related to the Project and District staff recommends acceptance of this contract work by means of filing the Notice of Completion which will release the retention.

Financial Impact: The cost of this project was partially funded by the $2.30 million in ARPA funds and the remaining costs were funded with the Water Infrastructure Financing and Innovation Act (WIFIA) loan.

KRIEGER & STEWART
Engineering Consultants

September 23, 2025 818-147.6 F/C

Matthew Porras, Director of Engineering
Yucaipa Valley Water District
P.O. Box 730
Yucaipa, CA 92399

Subject: NR-12.5 Reservoir Project
Recommendation of Acceptance of Contract Work

Dear Mr. Porras:

All work required to be performed by Canyon Springs Enterprises for the NR-12.5 Reservoir Project is essentially complete and the final Contract Amount for same is set forth as follows:

Original Contract Amount:	$4,612,090.00
Contract Change Order No. 1:	$79,000.00
Contract Change Order No. 2	($13,570.41)
Contract Change Order No. 3	($44,164.91)
Final Contract Amount:	$4,633,354.68

Since the Contract Work has been essentially completed in accordance with the Contract Documents, we recommend the District accept said Work. Subsequent to Board acceptance, a Notice of Completion should be filed and thereafter, following the lien period, the District should make final payment (i.e. release retained amount), provided no Stop Notices have been filed.

If you have any questions, please call.

Sincerely,

KRIEGER & STEWART, INCORPORATED

William G. Huffman

WGH/lge
818-147-RECACCEPT

Attachment: Contract Change Order No. 3

KRIEGER & STEWART, INCORPORATED
Mailing Address: 3890 Orange Street #1509, Riverside, CA 92502
Office Address: 3602 University Avenue, Riverside, CA 92501
Tel: (951) 684-6900 • Fax: (951) 684-6986 • www.kriegerandstewart.com

C.O. NO. 3

PAGE 1 OF 2

CONTRACT CHANGE ORDER NO. 3

K&S W.O. 818-147.6 F/C

CONTRACT: NR-12.5 Reservoir Project , DATED February 6, 2024

BY AND BETWEEN: Yucaipa Valley Water District (OWNER),

AND: Canyon Springs Enterprises (CONTRACTOR),

IS HEREBY DIRECTED TO MAKE THE FOLLOWING CHANGE IN CONTRACT WORK:

ITEM NO.	DESCRIPTION OF CHANGE	DECREASE $	INCREASE $
1	Elimination of the remaining pre-authorized allowance for Owner-directed field orders (Bid Item No. 221).	$44,164.91	$0.00
2	Ninety-Five (95) additional calendar days will be added to the Contract duration associated with the unexpected delays in SCE electrical service energization.	$0.00	$0.00

Total **DECREASE** in Contract Amount:	$44,164.91
Total **INCREASE** in Contract Amount:	$0.00
Net Change in Contract Amount:	($44,164.91)
Contract Amount Prior to Change:	$4,677,519.59
Contract Amount Adjusted for Change:	$4,633,354.68

CONTRACT CHANGE ORDER NO. 03

PAGE 2 OF 2

By reason of Change Order No. 3, time of completion shall be adjusted as follows:

95 Calendar Days. Adjusted Contract Completion Date shall be September 4, 2025.

Recommended by (Engineer) _____ Date: 9/19/2025

Accepted by (Contractor) _____ Date: 9/22/25

Approved by (Owner) _____ Date: _____

Remarks _____

Record Without Fee
Per Govt. Code 6103

Recording Requested By:
Yucaipa Valley Water District

And When Recorded Mail To:
Yucaipa Valley Water District
P.O. Box 730
Yucaipa, CA 92399

SPACE ABOVE THIS LINE FOR RECORDERS USE

NOTICE OF COMPLETION

Project Number/task Number: 95916
Director Memorandum Number for Authorization: DM 23-124
Director Memorandum Number for Notice of Completion: DM 25-

Notice pursuant to Civil Code Section 3093, must be filed within 10 days after completion.
Notice is hereby given that:

1. The undersigned is owner or corporate officer of the owner of the interest in the property hereinafter described:
2. The full name of the owner is Yucaipa Valley Water District
3. The full address of the owner is 12770 Second Street, Yucaipa, CA 92399
4. The Nature of the Interest or Estate of the Undersigned is: In Fee
5. A work performed hereinafter described was completed on September 17, 2025. The work done was: Construction of two 1-million-gallon recycled water reservoirs with necessary site piping electrical service, County of Riverside.
6. The name of the contractor for such work was: Canyon Springs Enterprises
   February 6, 2024
   (Date of Contract)
7. The property on which said work was complete in the City of N/A
   County of Riverside, State of CA, and is described as: 10251 Canyon Watershed Ct.
8. The street address of said property is 10251 Canyon Watershed ct.
   (if no street address has been assigned, insert "none")

Dated September 25, 2025

Matthew Porras, Director of Engineering
Yucaipa Valley Water District

Verification

I, the undersigned, say: I am the General Manager of the Declarant of the foregoing Notice of Completion; I have read said Notice of Completion and know the comments thereof; the same is true to my knowledge. I declare under penalty of perjury that the foregoing is true and correct.

Executed on October 7, 2025, at Yucaipa, CA.

Joseph B. Zoba, General Manager
Yucaipa Valley Water District

Yucaipa Valley Water District

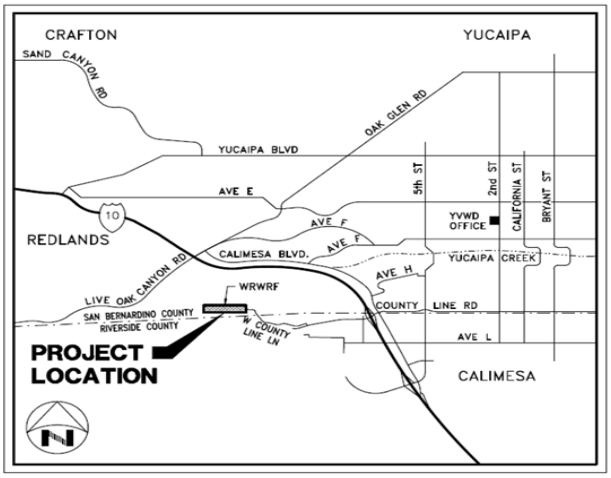
Director Memorandum 25-202

Date: October 7, 2025 **Task:** 106096

Prepared By: Mia Preciado, Senior Engineering Technician

Subject: Consideration of Conducting a Value Engineering Study for the Secondary Clarifiers Project

Recommendation: That the Board authorize the General Manager to initiate a value engineering process to evaluate potential cost saving opportunities.



The Secondary Clarifier Project located at the Wochholz Regional Water Recycling Facility (WRWRF) will allow for the expansion of the existing secondary treatment process that currently works to further settle and remove solids that remain after the primary treatment process.

Earlier this year, District staff was given authorization to solicit bids for this project alongside the larger WRWRF improvement (SAGE) project. With this approval, staff began the bidding process and received bids on April 30, 2025. Upon review and in comparison, with the bids received for the SAGE Project, staff decided to reject all bids and prioritize SAGE as it would be the driving factor for all treatment process enhancements at WRWRF [Director Memorandum 25-126].

Staff recognize the importance of expanding the secondary treatment process and have been working to better understand the costs associated with this project. In an effort to minimize costs where available, staff has decided to pursue a value engineering (VE) study with Woodard and Curran to identify possible cost-saving opportunities without compromising the outcome of this project. By understanding the goals of the project, the Woodard and Curran team will assist staff by exploring various alternatives and providing recommendations with the goal of maximizing cost savings for the project.

530 Technology Drive | Suite 100
Irvine, California 92618
www.woodardcurran.com

T 800.426.4262
T 949.420.5301

August 8, 2025

Mathew M. Porras
Director of Engineering
Yucaipa Valley Water District
12770 Second Street
Yucaipa CA 92399

RE: Proposal for Value Engineering workshop for the Secondary Clarifier Project

Dear Mr. Porras:

Woodard & Curran is pleased to provide you with a proposal for a Value Engineering (VE) Workshop regarding your planned Secondary Clarifier Upgrade Project located at the Wochholz Regional Water Recycling Facility. The goal of the value engineering workshop is to identify and evaluate possible cost-saving ideas that could potentially be implemented by the design team, resulting in savings to the District.

PROJECT TEAM

The project team will be composed of some of our top infrastructure and treatment experts. The Value Engineering workshop will be facilitated by Xavier Irias, who has over 35 years of experience in water and wastewater design, value engineering, risk assessment, strategic planning, and financial management, including many years as the Director of Engineering for EBMUD in Oakland. He will be supported by:

- Scott Goldman, a Senior Program Leader, with decades of experience with Yucaipa Valley Water District and many other Southern California treatment projects
- Harpreet Rai, a Senior Technical Leader and an expert in wastewater treatment processes with over 30 years of experience
- Anthony Elberti, our National Practice Leader for wastewater systems
- Kris Rosner, one of our senior cost estimators, with many years of experience estimating the construction cost of all types of water infrastructure projects

This core team will be supported by our deep bench of nationwide technical experts in other disciplines (electrical, structural, etc).

SCOPE

The project team will first familiarize themselves with key background documents, including those describing project goals, the documents used for the recent bid solicitation, and the three bids received for the project. The team will then internally brainstorm potential cost-savings ideas, based on their experience.

Then, over a two-day period, three key team members listed above (Xavier, Harpreet and Scott) , will visit the site and facilitate a VE workshop. The first day will include a discussion of

project goals, a brief presentation by the design team, and a structured process to elicit ideas for cost savings. The process will also include a tour of Wochholz Regional Water Recycling Facility, during which we hope to gain the benefit of insights from you, your staff, and potentially the design team, regarding project drivers and challenges. The second day will be a continuation of the VE workshop at your headquarters, including our team and selected members of your staff as needed. Our three key team members will participate in person, with access to additional resources via Teams.

The workshop agenda will be tailored based on your input but could be structured as follows:

1. Overview of the VE process (by our VE lead, Xavier Irias)
2. Project goals and constraints (you as the Director of Engineering, or a member of your team)
3. Optional, brief presentation by design team (virtual or in-person attendance) to recap design challenges and tradeoffs
4. Facilitated brainstorming to generate ideas; as needed, we will propose starting ideas from our own review of the project. In any case, the group participates by building on each other's ideas to generate an initially large list of ideas.
5. Screening of ideas based on infeasibility, ineffectiveness, etc.
6. Refinement of the top ideas including approximate cost analysis
7. Evaluation and prioritization of refined ideas
8. Review and recommendations

As indicated in this draft agenda, it is the intent that preliminary recommendations along with associated cost savings be developed by the end of the workshop. The follow-up deliverable from this workshop will be a brief document summarizing the evaluated alternatives and a list of recommendations.

BUDGET AND SCHEDULE

The proposed budget for completion of the work described herein is provided in the attached table to be billed on a time and materials basis, including all expenses.

We propose to begin the document review upon your notice to proceed. The site visit and VE workshop are tentatively scheduled for October 6-7. Within one week of that workshop, we will provide workshop notes including the ideas identified and their evaluation, including any recommendations for further development of any promising ideas.

CLOSING

We greatly appreciate this opportunity to offer our services to enhance your important project. Please feel free to contact me at +1 (949) 420-5314, or sgoldman@woodardcurran.com if you have any questions regarding this proposal or require any further information.

Sincerely,

Scott Goldman
Senior Program Leader
Woodard & Curran, Inc.

Woodard & Curran

Fee Estimate

8/8/2025

Yucaipa Valley Water District
Value Engineering Workshop -- Secondary Clarifiers

	Scott Goldman	Xavier Irias	Harpreet Rai	Tony Elberti	Kris Rosner	Various	Project Assistant	Total Hours	Total Labor Costs (1)	ODCs	Total Fee
	Project Manager/PIC	VE Lead	Wastewater Process	Wastewater Process	Cost Estimating	Electrical, structural, etc.	Administrative Support				
	$ 355	$ 355	$ 355	$ 355	$ 335	$ 335	$ 140				
Task 1: Project Management											
Project Initiation, H&S plan, data request, invoice	1	2					1	4	$1,205		$1,205
Subtotal Task 1:	**1**	**2**	**0**	**0**	**0**	**0**	**1**	**4**	**$1,205**	**$0**	**$1,205**
Task 2: VE workshop											
Document review, internal discussions	4	8	8	4	4			28	$9,860		$9,860
Site visit	4	4	4					12	$4,260	$3,050	$7,615
Discussions with team, owner, designer on day of site visit	3	3	3	3	3			15	$5,265		$5,265
Preparation of workshop materials	1	4	2	1	1			9	$3,175		$3,175
Workshop	8	8	8	8	4	8		44	$15,380		$15,380
Draft VE report	2	8	6	4	4	5		29	$10,115		$10,115
Virtual meeting with Yucaipa to review draft	2	3	2	2				9	$3,195		$3,195
Finalize VE report	1	4	2	2	2			11	$3,865		$3,865
Subtotal Task 2:	**25**	**42**	**35**	**24**	**18**	**13**	**0**	**157**	**$55,115**	**$3,050**	**$58,470**
TOTAL	**26**	**44**	**35**	**24**	**18**	**13**	**1**	**161**	**$56,320**	**$3,050**	**$59,675**

1. The individual hourly rates include salary, overhead and profit.
2. Subconsultants will be billed at actual cost plus 10%.
3. Other direct costs (ODCs) such as third party reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
4. W&C reserves the right to adjust hourly rates based on timing of actual salary adjustments.
5. Additional Woodard & Curran staff may perform work on the project, based on our standard billing rate schedule currently in effect.

Yucaipa Valley Water District

Director Memorandum 25-203

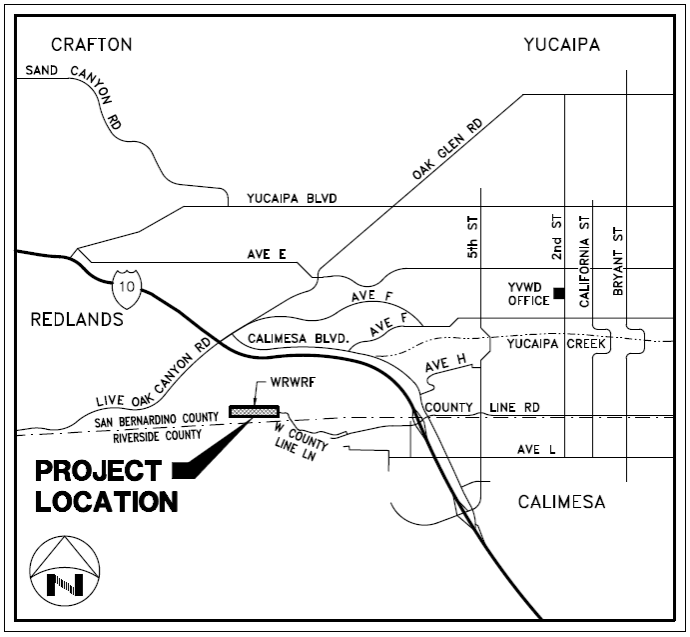
Date: October 7, 2025 **Task:** 95290

Prepared By: Matthew Porras, Director of Engineering

Subject: Status Update and Consideration of District Initiated Deductive Contract Change Order for the Salinity and Groundwater Enhancement Project at the Wochholz Regional Water Recycling Facility, City of Yucaipa

Recommendation: That the Board authorizes the General Manager to execute the deductive Contract Change Order No. 1 in the amount of $5,009,000.

The Henry N. Wochholz Regional Water Recycling Facility ("WRWRF") produces recycled water using microfiltration with partial reverse osmosis to adjust salinity in order to comply with the Santa Ana Regional Water Quality Control Board Basin Plan. This exceptionally pure recycled water can also be used to recharge groundwater basins in accordance with Article 5.2 of the State of California Groundwater Replenishment Regulations. The associated Aquifer Storage and Recovery Project that will be located in the City of Calimesa will benefit from the ability to recharge the exceptionally pure recycled water [Director Memorandum 24-113].



The District is proposing to upgrade the WRWRF with the addition of the Salinity and Groundwater Enhancement ("SAGE") Project. The WRWRF is undergoing other upgrades within a similar timeframe including the Energy Resiliency Project [Director Memorandum 24-066], the SCADA Upgrade Project [Director Memorandum 23-163] and the Phase 1 Secondary Clarifier Upgrade Project [Director Memorandum 24-053]. The upgrades at WRWRF are being coordinated to complement each other and are all part of the Water Infrastructure Finance and Innovation Act ("WIFIA") funding. The SAGE Project will add reverse osmosis membranes to achieve full advanced treatment to produce a new source of water that is suitable for direct injection into groundwater basins.

Recognizing the impact of prolonged, severe, and reoccurring droughts, the Yucaipa Valley Water District has embarked on a series of capital improvement projects that integrate drinking water, recycled water, sewer treatment, and brine disposal facilities to create an exceptionally pure and renewable water resource. The SAGE Project will consist of the following major project elements; Microfiltration Tertiary Clarification, Reverse Osmosis Transfer Pumps, a Primary Reverse

Osmosis System, a Secondary Reverse Osmosis System, Ultraviolet and Advanced Oxidation Process ("UV/AOP"), along with supporting processes and appurtenances.

The District staff has been working with Separation Processes Inc. ("SPI") on the SAGE Project [Director Memorandum 19-106] to develop an upgrade that meets the needs of the District. The Board of Directors authorized staff to solicit bids for the SAGE project on January 21, 2025 [Director Memorandum 25-009].

The project bid window was from February 5, 2025, through April 29, 2025, and the Board awarded the construction contract on June 17, 2025, to Caliagua Inc. ("Contractor") for a sum not to exceed $45,636,460 [Director Memorandum 25-125]. At the same Board Meeting on June 17, 2025, the Board considered and approved the value engineering study for the SAGE Project [Director Memorandum 25-132].

On July 1, 2025, SPI was acquired by Brown & Caldwell ("B&C"). The acquisition has not altered the contract for services to provide engineering services to the District.

After contracts were finalized between the Contractor and the District, the Notice to Proceed was issued on July 3, 2025. The Contractor has since mobilized to the WRWRF and has begun potholing underground utilities in preparation for the upcoming grading and related earthwork.

The results of the value engineering study are attached and are reflected in Contract Change Order No. 1 ("CCO No. 1") where the major adjustment comes from the elimination of the Microfiltration Tertiary Clarifier ("MFTC") from the SAGE contract. As further described in the attached value engineering report dated August 5, 2025, the SAGE Project was thoroughly evaluated by Woodard & Curran along with participation from individuals of the Contractor team, district staff, and Krieger & Stewart to determine possible ways to reduce costs from the project.

The MFTC was originally included in the design of the SAGE Project with the intention of providing an additional layer of protection to the downstream treatment process, microfiltration. At the time of award of SAGE, the Secondary Clarifier Project funding was insufficient based on the combined cost of these two projects that were bid simultaneously. As each project received higher bids than estimated, the District was only able to award SAGE and rejected the bids for the Secondary Clarifiers. The purpose of the Secondary Clarifier Project is to improve the secondary clarification process, which is directly upstream of the microfiltration process, therefore when the Secondary Clarifier Project was not able to move forward, the MFTC remained in the SAGE Project. District staff have been working to secure the additional funding to re-bid the Secondary Clarifier Project and have identified a path forward which is a major consideration in removing the MFTC from the SAGE contract. In summary, District staff recommends the removal of the MFTC from the SAGE Project by means of executing CCO No. 1.

	Contract Changes	Contract Amount	Percentage Change from Original Bid Amount	Reference
Original Bid Amount		$45,636,460	- -	DM 25-125
Change Order No. 1	$5,009,000	$40,627,460	(10.98%)	DM 25-203

Financial Impact: This project is funded by the WIFIA Loan, 2022A Bond proceeds and District Facility Capacity Charges.

C.O. NO. 1

PAGE 1 OF 2

CONTRACT CHANGE ORDER NO. 1

K&S W.O. 818-156.8 F/C

CONTRACT: SALINITY AND GROUNDWATER ENHANCEMENT (SAGE) PROJECT AT WRWRF, DATED JUNE 17, 2025

BY AND BETWEEN: YUCAIPA VALLEY WATER DISTRICT (OWNER),

AND: CALIAGUA, INC. (CONTRACTOR),

IS HEREBY DIRECTED TO MAKE THE FOLLOWING CHANGE IN CONTRACT WORK:

ITEM NO.	DESCRIPTION OF CHANGE	DECREASE $	INCREASE $
1.	Contract time extension to begin Contract Time from date of Notice to Proceed instead of from date of Notice of Award. Fourteen (14) calendar days will be added to the Contract duration associated with this change.	$0.00	$0.00
2.	Add spare pump can and reinforced concrete encasement for future RO Feed Pump No. 3 per Contractor's Change Order Proposal (COP) No. 2. Three (3) calendar days will be added to the Contract duration associated with this change.	$0.00	$61,600.00
3.	Reduction in Bid Item A1 to eliminate MF Tertiary Clarifier (MFTC) per Contractor's Change Order Proposal No. 3. (Bid Item A1 Contract Amount to be adjusted per this Contract Change Order No. 1).	$5,070,600.00	$0.00

CONTRACT CHANGE ORDER NO. 1 (CONTINUED) PAGE 2 OF 2

Total **DECREASE** in Contract Amount:	$5,070,600.00
Total **INCREASE** in Contract Amount:	$61,600.00
Net Change in Contract Amount:	($5,009,000.00)
Contract Amount Prior to Change:	$45,636,460.00
Contract Amount Adjusted for Change:	$40,627,460.00

By reason of Change Order No. 1, time of completion shall be adjusted as follows:

17 Calendar Days. Adjusted Contract Completion Date shall be March 18, 2027.

Recommended by (Contract Administrator) Brandon C. Valdez Date: 9/22/2025

Accepted by (Contractor) Ryan Ricard Digitally signed by Ryan Ricard DN: C=US, E=rricard@caliagua.net, O=Caliagua Inc., CN=Ryan Ricard Date: 2025.09.22 14:35:02-07'00' Date: 9/22/2025

Approved by (Owner) Date:

Remarks

Rev 0614
Salinity and Groundwater Enhancement
(SAGE) Project at WRWRF

Change Order Form S-2

Woodard & Curran

TECHNICAL MEMORANDUM

TO: Matt Porras, Director of Engineering, YVWD

PREPARED BY: Xavier Irias, P.E., Woodard & Curran

Carrie Del Boccio, P.E., Woodard & Curran

REVIEWED BY: Scott Goldman, P.E., Woodard & Curran

DATE: August 5, 2025

RE: Value Engineering of SAGE Project

Woodard & Curran was tasked to lead a Value Engineering (VE) analysis for the SAGE Project ("Project") located at the Henry N. Wochholz Regional Water Recycling Facility (WRF). This TM describes the process and results of the VE.

1. BACKGROUND

On April 29, YVWD received bids for the SAGE project; the lowest responsive bid, submitted by Caliagua, was priced at $45,636,460. This is 45% higher than the engineer's estimate of $31,378,500.

Based on a review of the bids indicating that the low bid reflected the realistic market price for the work as designed, the YVWD awarded the contract to Caliagua at its June 17 meeting and issued Notice to Proceed on July 3 for all bid items. Moving the work forward is important to comply with WIFIA funding requirements.

Given the significant cost of the project, YVWD has retained Woodard & Curran (W&C) to perform an independent project review in the form of a VE analysis. The purpose of a VE analysis is to identify ways to reduce costs while still performing the Project's essential functions, and while preserving value, i.e., investing in a way that maximizes value over the long term. This technical memorandum ("TM") presents the VE process and its results.

2. VE PROCESS

W&C formed a VE team of varied and relevant expertise, including some team members who have not previously been involved in the project development and are thus in a position to take a "fresh look". The team was led by Xavier Irias, P.E., an engineer with over 39 years of relevant experience including many years as the chief engineer at a major water-wastewater utility where he led VE processes among other duties. Technical specialties on the team included wastewater processes, membrane systems, electrical engineering, structural engineering, and cost estimating. Team members and their key expertise are listed below:

- Scott Goldman, PE, wastewater process
- Carrie Del Boccio, PE, recycled water process

- Tom Scalese, PE, structural engineering
- Andrew Fitzpatrick, PE, electrical engineering
- Kris Rosner, PE (Vermont), cost estimating
- Ali Kalantar, licensed contractor, membrane treatment

The VE team reviewed background documentation including the project design documents, bid documents, and bid evaluation summary.

W&C then led a VE workshop on July 15-16, 2025. The workshop began with a briefing attended by the W&C team as well as:

- YVWD Director of Engineering Matt Porras, Operations Managers Timothy Mackamul and Charles Thomas, and Senior Engineering Technicians Mia Preciado and Maya Lopez.
- Design team members Charles Cruz and Jim Vickers of Brown and Caldwell.
- Brandon C. Valadez of Krieger & Stewart Engineering Consultants, who will be managing the project's construction on behalf of the District.
- Caliagua project manager Ryan Ricard.

The first day of the workshop included the following elements:

- Review of project goals by Matt Porras. The primary goal is to enhance YVWD's water supply by treating water to a sufficiently high standard to inject into the aquifer for later withdrawal. A secondary goal is to make the treatment process more robust for all conditions.
- Presentation by the design team of design criteria, concepts and rationale for various design choices. Excerpts of their presentation are included as an attachment.
- Structured process to elicit, refine and prioritize potential cost-saving ideas from all attendees. The result of this step was a prioritized list of 22 potential cost-saving measures.
- Site visit for the VE team led by YVWD operations staff.

The second day of the workshop included only the VE team with selected YVWD staff, with the design team and the construction manager available to answer questions as needed. The focus of the second day was refining and evaluating the top ideas identified the prior day. The results of that process are discussed in the next section.

3. VE RESULTS

This section presents the results of the VE process. Those results include various ideas for cost saving or efficiency and, when available, approximate costs. It must be understood that the various proposals suggested for further development are not fully vetted, and on further examination may be infeasible or inadvisable; the potential cost savings for the various proposals are conceptual in nature and may likewise be superseded by more accurate estimates as various proposals are further developed.

Section 3.1 summarizes the various VE proposals; Section 3.2 then provides a discussion of the proposals suggested for further development. Finally, Section 3.3 presents some considerations for the District that the VE team observed in the course of the work.

3.1 Summary of VE Proposals

The VE process identified 22 distinct potential cost-saving concepts, termed "proposals", and estimated potential cost savings for the most promising proposals. The proposals are numbered from 1 to 16 (some of the proposals have subscripts such as 1a, 1b to group proposals sharing a common topic).

The top proposals are shown in **Table 1**; if all were implemented, the proposals could save approximately $6.4M, or about 14% of the awarded $45.6M construction cost. The estimates are all approximate, and the final price would likely be the product of negotiation with the contractor. The estimates incorporate the fact that some proposals are mutually exclusive, i.e., the estimates do not double-count cost savings. The primary savings are associated with eliminating the tertiary clarifier from the project, based on the likelihood that it would not be needed once the planned secondary clarifier project is completed.

Other proposals that were considered but not selected for further development as standalone ideas are shown in **Table 2**.

Table 1: VE Proposals Suggested for Further Evaluation

#	Item	Details/Rationale	Next Steps	Potential Cost Savings
1a	Eliminate tertiary clarifier and wait for secondary clarifier project to catch up	Based on the VE workshop discussion, it appears likely that the tertiary clarifier will not be needed once the secondary clarifier process is improved. District staff also indicated that some interim measures such as nano-bubble aeration have helped as a short-term measure. The proposal then is to eliminate the tertiary clarifier from the project and reserve space for future use. The team felt that this proposal could provide significant savings to the District without compromising project goals.	Work with design team and contractor to remove this work from the contract.	Up to ~ 6M
2e	Revisit building foundation design in light of CDSM	Consider whether the AWP building foundation could be streamlined since CDSM, introduced to the project late in the design process, will provide a firm foundation. Other ideas 2a-2e related to CDSM were not selected for further development, as further described in Section 3.2.	Direct design team to evaluate foundation design.	Unknown

#	Item	Details/Rationale	Next Steps	Potential Cost Savings
3	Eliminate fire suppression system	As a water production facility, the AWP building appears to be exempt from the standard Code requirement. The potential cost savings is a rough estimate from the contractor.	Direct design team to evaluate in light of Government Code 53091.	$200K
4	Reduce costs through use of alternative materials	HDPE could be used in lieu of DIP for the 24-inch secondary effluent yard piping, and potentially for hydrant laterals. Most of the savings would not occur if Proposal #1a, elimination of tertiary clarifier, is implemented as suggested. since most of the pipe in question supports that project element.	Work with the design team and contractor to use HDPE in lieu of DIP in selected portions of the project.	~ $100K, but not included in total since it would be part of Proposal 1a
5	Eliminate new HVAC system in existing MF Building	The existing evaporative cooling system (aka swamp cooler) could be repaired to save cost. New HVAC could be a future project.	Seek proposal from the contractor to eliminate HVAC.	$100K+
6	Reduce use of sole-source equipment to reduce risks to schedule and costs	While much of the sole-source equipment provides long-term O&M savings through standardization, capital costs may be higher. After discussion, cartridge filters appear to present an opportunity for cost savings with little to no impact on O&M.	Work with design team to seek proposal from the contractor to allow other cartridge filters.	$100K+
		Total		**~ $6.4M**

Table 2 summarizes VE proposals that were evaluated by the team and not selected for further development. As indicated in the table, some of the proposals were found on balance to not offer cost savings, while others could potentially offer savings but are not as promising as the proposals that were selected for development.

Table 2: VE Concepts Evaluated and Screened Out

#	Item	Rationale & Evaluation	Potential Cost Savings
1b	Build tertiary clarifier as designed, consider future conversion to secondary clarifier	As an *alternative* to Proposal 1a, elimination of the tertiary clarifier, this proposal retains the tertiary clarifier and earmarks it for future use as a secondary clarifier. It leaves the clarifier shape as designed, i.e., a rectangular basin with a chain and flight sludge collection system. The evaluation found that this proposal would add near-term cost even if it later saved on costs of secondary clarification. Also, use of the tertiary clarifier as a future secondary clarifier would likely complicate plant hydraulics since the hydraulic grade lines for secondary and tertiary clarifiers are not the same.	Adds near-term cost (any offsetting savings would be in the longer term).

#	Item	Rationale & Evaluation	Potential Cost Savings
		This proposal was rejected because it was judged inferior to Proposal 1a, which is suggested for further development.	
1c	Convert tertiary clarifier to circular; plumb for use as future secondary clarifier	As an *alternative* to Item 1a, elimination of the tertiary clarifier, this proposal would redesign the clarifier to allow future use as a circular secondary clarifier. The evaluation for this item was similar to that for Proposal 1b, i.e., that the proposal would add cost and time, and may also create problems in the plant's hydraulic profile. This proposal was rejected because it was judged inferior to Proposal 1a, which is suggested for further development.	Adds near-term cost (any offsetting savings would be in the longer term). Some of the added costs could be partially offset if CDSM were not needed for the circular clarifier.
2a	CDSM: reduce its use under tertiary clarifier	The rationale for this proposal is that the nearby existing secondary clarifiers did not require CDSM. However, it's not clear whether the tertiary clarifier design is less tolerant of potential movement than those existing clarifiers. This proposal was not selected for further development, in part because Proposal 1a, elimination of the tertiary clarifier, was selected and would make this proposal moot. See detailed discussion in Section 3.2.	~ $150,000 per engineer's estimate
2b	CDSM: reduce its use under AWP building	The rationale for this proposal is that the AWP is a metal building and such buildings may be tolerant of settlement. After evaluation, this option was screened out on the basis that non-structural elements (doors, windows, etc) would likely be adversely impacted by elimination of CDSM, even if the building itself was not. See Section 3.2.	Unknown
2c	Reduce over-excavation in areas of CDSM.	The rationale for the proposal was that CDSM provides a very robust subsurface, and the proposer wondered whether the need for over-excavation might thus be reduced. This proposal was rejected because CDSM is in fact one of the reasons over-excavation to 5' depth is recommended, since the mixing action tends to disturb the top layers of soil. See Section 3.2.	Unknown
2d	Eliminate bench-scale testing for CSDM.	While bench-scale testing is not a large cost, it likely adds weeks to the critical path schedule so its elimination could reduce project risk. This proposal was not selected for further development. See Section 3.3 for discussion. There may be other ways to gain time in the schedule.	Minimal
7	Consider reducing the size of some electrical systems to handle only near-term needs instead of sizing for future needs.	The full design capacity (Phase 1 + 2) includes an MF feed rate of 8.55 mgd. This full capacity may not be needed for more than 20 years, so oversizing future loads may not be cost-effective. This proposal was not selected for further development because the VE team could not identify specific areas of potential savings without major overhaul of the design.	Unknown, likely minor
8	Reduce AWP building amenities – aesthetics.	The AWP building includes both a basic building structure as well as certain finishings etc., that serve an aesthetic value. These finishes could be removed from the design without impact to the process. This proposal was rejected because the building amenities provide several important benefits such as use of natural light and providing a focal point	Up to $100K

#	Item	Rationale & Evaluation	Potential Cost Savings
		for educating the public about water reuse. The net cost savings after accounting for redesign costs would be minimal.	
9	Use chemicals for decarbonator	Chemical addition is an option to provide water stabilization instead of a decarbonator. While the decarbonators have a substantial capital cost (about $540K), an alternative chemical system would have some capital costs, and higher O&M costs than the decarbonators. On balance the VE team believes that eliminating the decarbonators would not save substantial money over the facility's life, and doing so would saddle the operators with a lime system. Such systems tend to pose an O&M burden. Therefore, this proposal was rejected.	Minimal on a life-cycle basis
10	Use containerized RO instead of housing in a new building	This proposal was initially couched as renting the RO units instead of purchasing. In the course of the VE workshop the proposal was refined to focus on the central idea which is use of containerized RO to reduce the needed building footprint. This proposal was rejected since it would be a cardinal change to the project and require several months of redesign.	Not priced; does not meet schedule and is a cardinal change.
11	Reduce rebar @ tank slabs	The proposer noted that the structural design is very robust and might reflect early conservative assumptions. A specific example was (#5 @ 6"for tank slabs). This item is an example of potential savings per item 2f, which is suggested for further development, so it need not be separately tracked.	Not priced; likely minor.
12	Eliminate starter wall Detail S-3122 on S5-006	The "starter wall" may be more expensive to build than a simple slab. This proposal was not developed further because the potential savings appear to be very minor.	Not priced; likely minor.
13	Reduce underground concrete encasement of conduits	Running conduits underground and encased in concrete may be more costly than other options. This proposal was not selected for further development because the potential cost savings appear relatively minor, and could involve tradeoffs associated with above-ground raceways, such as interfering with traffic circulation, or exposing cables to physical damage.	Not priced.
14	Eliminate MF Train	Eliminate the addition of MF trains and rely on existing trains. This proposal was rejected because a robust MF train is needed to meet the project goals.	Not priced.
15	Eliminate operations room/office from AWP building and maintain use of control operations room as existing office/operations room.	Eliminate the operations room and restroom at the AWP building. Operators would continue to rely on existing buildings for operations and personal needs. The VE team did not select this proposal for further development because it would require major redesign that would take several months. The likely cost savings would be relatively modest.	Not priced.

#	Item	Rationale & Evaluation	Potential Cost Savings
16	Revisit electrical & controls panel ratings (NEMA)	The rationale for this proposal is that the cost of various panels and electrical boxes could potentially be reduced if their NEMA ratings could be made less stringent. The VE team did not select this proposal for further development because the NEMA ratings, as designed, appear generally commensurate with the environmental conditions. Thus, the savings that could be captured by refining the ratings are relatively modest and would likely be offset by the cost to design the change, and the schedule impacts.	Not priced, likely minor.

3.2 Additional Information on Top Proposals

3.2.1 Proposal #1: Elimination or Repurposing of Tertiary Clarifier

Proposal 1, with variants a, b and c, is focused on the tertiary clarifier (a bifurcated rectangular settling basin). The tertiary clarifier was included in the project to address seasonal and intermittent problems with the performance of the secondary clarifiers leading to solids carryover into the secondary EQ basin that feeds the MF process. The rationale for the proposal is that the tertiary clarifier, a $6M bid item, should not be needed if the secondary clarifiers were improved, and improvements to those secondary clarifiers are already planned for the near future. (The Phase I Secondary Clarifier Upgrade project was bid in April 2025; the low bid of $26M was higher than anticipated and the project was not awarded but could be re-bid readily once funding is established).

YVWD has been working to resolve the problem of solids in the secondary EQ without the need for tertiary clarifier:

- Continued effort to identify the source of seasonal discharges that disrupt secondary clarification.
- Nano Bubble (NB) technology is being piloted by YVWD staff with positive results. Since the NB pilot began approximately one year ago, there has not been a problem with solids in the secondary EQ.

Beyond these measures, it may be possible to modify the intake from the secondary EQ that feeds the MF process, to mitigate the impact of any solids that might be carried over from the secondary clarifier.

The three specific variants of Proposal 1 are mutually exclusive and are as follows:

- **Proposal 1a** consists of eliminating the tertiary clarifier and reserving future space for the clarifier. The planned improvements to the secondary clarifiers, along with the other actions being taken by the District will likely eliminate the need for the tertiary clarifier. By contrast, secondary clarifier improvements are required regardless of whether the tertiary clarifier is built since the existing secondary clarifiers lack the redundancy required for a critical process such as secondary clarification. Since the tertiary clarifier was an additive bid item, its removal should not require significant updates by the design team, although there may be opportunities to make other cost-saving adjustments beyond the simple deletion of the work described in the additive bid item.

Based on these factors, Proposal 1a is the top variant for Proposal 1.

- **Proposal 1b** involves building the tertiary clarifier with new features to allow its future repurposing as a secondary clarifier. This proposal adds additional near-term cost which could well be in the millions of dollars for addition of features to provide secondary clarification functionality. It would also add significant schedule for redesign. Finally, its basic feasibility may be in question without another pumping stage, since a clarifier that is suitable for tertiary clarification will sit too low in the plant hydraulic grade line to work as a secondary clarifier. Given these factors, Proposal 1b was rejected.

- **Proposal 1c** involves redesigning the tertiary clarifier as a *round* clarifier similar to the existing secondary clarifiers and incorporating features to allow its future repurposing as a secondary clarifier. Like Proposal 1b, this proposal adds substantial additional near-term time and cost and also poses concerns for the plant's hydraulic grade line. Like that alternative, Proposal 1c is not recommended for further development.

In summary, Proposal 1a is the most promising variant and is suggested for further evaluation, as it has the potential to save about $6M.

3.2.2 Proposal #2: CDSM/Earthwork Refinements

Cement Deep Soil Mixing (CDSM) is required by the construction documents because the geotechnical report (Ninyo and Moore, 2023) indicated that the soils underlying the tertiary clarifier and new building would, unless improved, be prone to total settlements of up to 4 inches, and about 1.5 inches of differential settlement over a 4-foot reach, somewhat more than the 1 inch of differential settlement that the proposed structures could tolerate per the structural engineer. While the geotechnical report discusses various options, it recommends CDSM for this particular project, based on various considerations including the need to minimize risks to existing structures that some other methods could pose.

The VE proposal initially was framed as reducing or refining the scope of the CDSM work. During discussion, however, the proposal evolved into five discrete proposals designated 2a through 2e:

- **Proposal 2a** is to eliminate CDSM for the tertiary clarifier. This proposal is moot if Proposal #1a (elimination of the tertiary clarifier) is implemented, since in that case the CDSM associated with the tertiary clarifier would not be performed. Even if Proposal 1a is not implemented, the savings would be relatively modest, since about 80% of the total CDSM is for the AWP building rather than for the tertiary clarifier (about $103K in raw cost, $150K with markups, per the engineer's estimate). This proposal was therefore not further developed.

- **Proposal 2b** is to eliminate CDSM for the AWP building. The raw costs were estimated in the engineer's estimate at $387K, or about $600K with the approximate 1.5 aggregate markups. Note that these costs are illustrative but may not reflect the contractor's estimate, nor the potential savings from elimination of CDSM. The engineer's estimate does not itemize CDSM mobilization costs which can be substantial, e.g., $100K or more.

  The rationale for the proposal is that as a metal building, the AWP building might be fairly tolerant of settlement, and provisions could be made for equipment and piping to be adjusted.

Evaluation: while a metal building may indeed be somewhat tolerant of settlement, many features of the AWP appear to be much less tolerant of large differential movement. Therefore, this proposal is not suggested for further evaluation.

- **Proposal 2c** is to revisit the degree of over-excavation in light of CDSM being added to the project. The geotechnical report indicates that about five feet of excavation should be done. The rationale for this VE proposal was that CDSM makes the subsurface strong, and it seemed counter-intuitive to require so much over-excavation.

  Evaluation: The rationale for the excavation recommendation in the geotechnical report is based on the likelihood of that depth being disturbed during the CDSM operation. Thus, the presence of CDSM in this case does not reduce the imperative for excavation – to the contrary, it establishes a minimum depth. Therefore, this proposal, which would reduce excavation requirements, is not considered viable.

- **Proposal 2d** is to eliminate the requirement for bench-scale testing for CDSM. The rationale for this proposal was that the bench-scale testing may lie on the project's critical path, and that deletion of the testing would not waive the contract requirements as to the ultimate performance of the CDSM.

  Evaluation: This proposal has no direct cost savings but as noted could save time on the project's critical path schedule. The extent of time savings can't be known at this stage, and likely won't be established until a CPM schedule is submitted and approved by the owner. Nonetheless, the VE team evaluated the proposal.

  The team reviewed industry guidance for CDSM, specifically FHWA-HRT-13-046, which is targeted at the specific application of CDSM proposed for the SAGE project, i.e., foundation support. FHWA-HRT-13-046 strongly supports the need for bench-scale testing, for example "Preconstruction testing programs, including both bench-scale and field validation (full-scale testing), are critical to the successful design and construction of DMM projects." The document does identify cases for which bench scale testing might be omitted, essentially when relevant data already exist such as prior bench or full scale CDSM at the site. Those exceptions don't appear to apply to the SAGE project since there is no prior use, or testing, of CDSM at the site.

  Given that elimination of the bench testing would not save significant money, and its benefits to the schedule cannot be assessed until a CPM schedule submittal is available, the VE team does not suggest this measure be further developed at this time. However, upon receipt of the CPM schedule, the District may choose to revisit the proposal. It should be borne in mind that, while the contractor is responsible for CDSM performance, the actual long-term strength of the full-scale CSDM may not be known until the AWP building is constructed. It is likely in the interest of all parties to look for ways to maximize the chance of a successful CDSM effort rather than seek comfort in contractual remedies in the event of CDSM performance falling short. If the main driver for this proposal is schedule relief, there may be other opportunities to do so that do not require deletion of a CDSM bench test program. The CPM schedule to be provided by Caliagua may help identify those opportunities.

- **Proposal 2e** is to evaluate whether the structural foundation and floor slab of the AWP could be reduced. The floor slab is relatively thick and is heavily reinforced, per Section A, Sheet S-304. Based on the idea that those elements may have been redesigned following the late addition of

CDSM to the project, the rationale is that CDSM might allow a thinner slab and-or lighter reinforcement.

Evaluation: The VE team was unable to determine whether the building's foundation design could be reduced based on use of CDSM; the project's structural engineer would be in the best position to evaluate the VE proposal, and this proposal was suggested for evaluation by the design team.

3.2.3 Proposal #3: Eliminate Fire Suppression System

At the VE workshop, it was discussed that the fire suppression system had been added during project development but there had been ongoing discussions of whether it's needed. By gaining acceptable confidence that the AWP building is exempt from the State fire code, the fire suppression system could be safely eliminated from the AWP building.

The other buildings at the WRF do not currently have fire suppression systems. Per CA Govt Code § 53091 (2024), "(d) Building ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water, wastewater, or electrical energy by a local agency". Caliagua estimated that there is a potential savings of about $200,000 by eliminating the fire suppression system from the AWP building.

This proposal is recommended for further evaluation given the substantial savings that could be realized through a fairly simple change, and the fact that the District appears to have the discretion per state law to evaluate the matter on its merits.

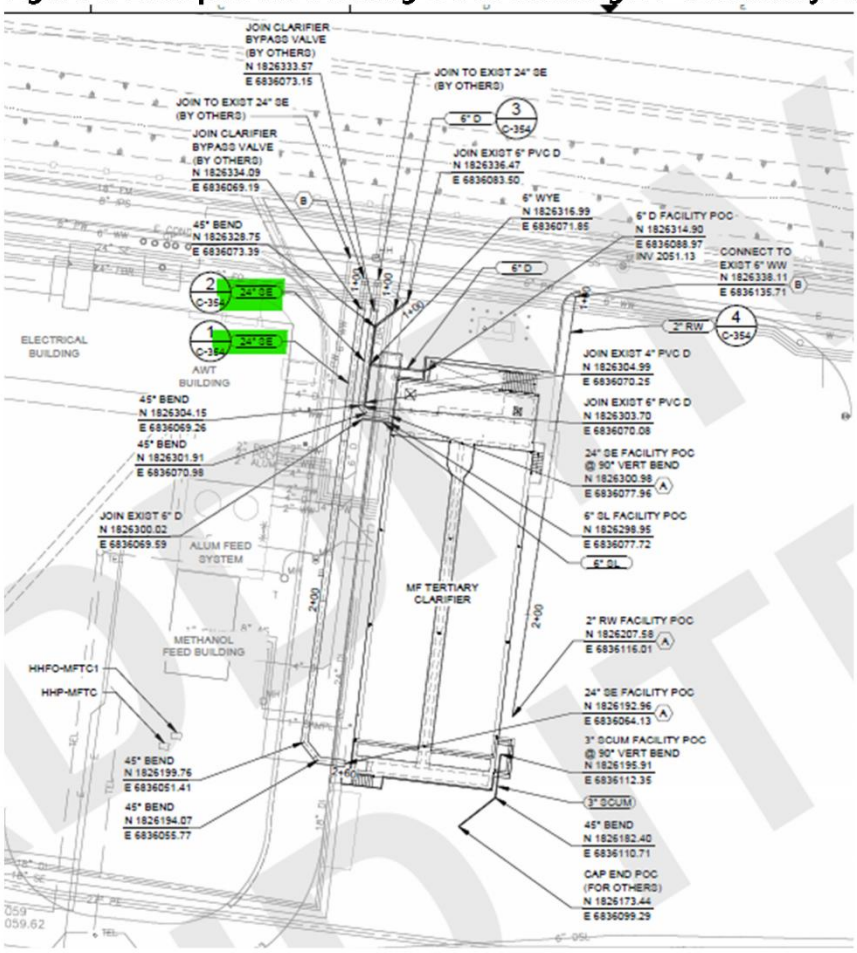
3.2.4 Proposal #4: Use Alternative Materials

This proposal was refined during the discussion to focus on pipe materials specifically. It was discussed that buried ductile iron pipe had been specified for the 24" pipeline conveying secondary effluent to the MF tertiary clarifier (see Figure 1). It was suggested that the material could be changed to HDPE to meet the same design function but with potentially a lower materials cost, faster procurement, and avoidance of the American Iron and Steel (AIS) requirements required as part of the WIFIA loan.

While the substitution of HDPE for DIP for the 24" pipeline has potential savings of at least $100K based on input from Caliagua, the pipeline would not be built if Proposal #1a (Elimination of Tertiary Clarifier) is pursued. To avoid double counting, the savings for the DIP-to-HDPE switch is not included in the overall estimated savings but should be evaluated if Proposal #1a is not pursued.

There may be other opportunities to revisit material selections in coordination with Caliagua, the design team, and District staff in the interest of cost or schedule savings. One example, identified but not fully evaluated during the VE process, is the use of aluminum instead of copper for high-ampacity conductors. While permissible by Code, and less expensive than copper, aluminum conductors require special provisions during construction and maintenance in order to provide a safe installation. Any potential savings should be weighed against the long-term O&M impacts from having some aluminum conductors among a plant that's mostly copper-based.

Figure 1: Excerpt from Drawing C-301 Showing 24" Secondary Effluent Lines



3.2.5 Proposal #5: Eliminate HVAC Improvements to Existing Building

The rationale for this proposal is that repairing the legacy evaporative cooling system, currently not functional, might be substantially less expensive than the full replacement with HVAC called for by the current project documents.

The potential savings have been estimated by Caliagua as least $100K minus the cost to repair the evaporative cooling system, estimated at about $20K. "No action" is not considered viable, since with no cooling, doors must be left open which poses a security concern.

Given the fairly substantial saving that could be captured, the VE team believes this proposal merits further exploration and possible implementation.

3.2.6 Proposal #6: Reduce Use of Sole-Source Equipment to Reduce Risks to Schedule and Costs

Specifying sole-source equipment helps to simplify operations and maintenance by providing consistency for operators and redundant spares for matching equipment. During the VE workshop, however, it was identified that the cartridge filters, which had been specified as sole-sourced, would be acceptable with alternatives allowed, and District staff do not have a strong preference to keep the cartridge filter specified in the design. Caliagua identified there is a potential savings of $100K by allowing for other compliant vendors. Allowing alternatives may also save time on the critical path.

Based on these factors, this proposal is recommended for further consideration.

3.3 Other Considerations

In the course of the VE review, observations were made by one or more team members in the course of the analysis which did not receive the benefit of discussion during the VE workshop either because they were identified late, or because they were deemed unlikely to save significant sums of money. However, they are offered as considerations for potential improvement to the project's overall value, or as potential minor cost savings that might be captured during the construction process. Table 3 lists the various observations and potential next steps for each concept if the District wishes to further develop the concept.

Table 3: Additional Observations from the VE Team

#	Item	Observation	Potential Next Steps
O-1	AWP Building Risk Category	The specifications call for the AWP building to be designed to Risk Category III as defined in ASCE 7. Risk Category IV would call for a higher standard of performance, aimed at preserving the building's operability after an earthquake. The lesser risk categories (e.g., III) are aimed at life safety for the building's inhabitants, not operability.	Consider asking the contractor for a proposal to design the AWP building to Risk Category IV instead of Risk Category III. Alternatively, consider upgrading criteria for non-structural elements to maximize the chance of their surviving an earthquake.
O-2	VFD provisions	Larger VFD's have dV/dT filters (i.e., filters that protect a motor against rapid changes in V, voltage, per unit of time T), on the output of the drive. If these are not necessary due to motor conductor length, they could potentially be eliminated.	Consider whether the dV/dT filters are necessary, since their elimination could simplify construction and potentially save money.
O-3	Decarbonator fall protection	The decarbonator design calls for fall protection cages. Fall protection cages are being phased out, so such cages may have a short service life.	Consider alternative fall protection.

Attachment: Design Team Presentation Slides

SALINITY AND GROUNDWATER ENHANCEMENT (SAGE) PROJECT # 95290

Value Engineering Workshop

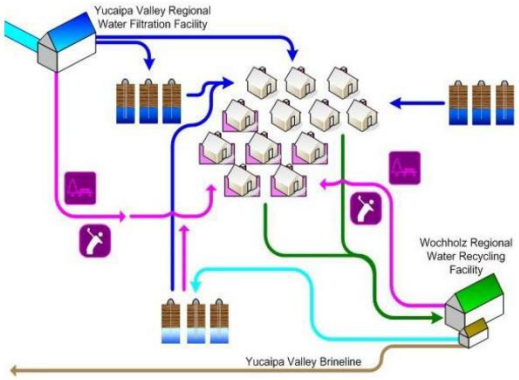
July 15, 2025

Yucaipa Valley Water District

Brown AND Caldwell

District Background

- Combined Water (3 BGY), Wastewater (1.3 BGY), and Recycled Water (0.7 BGY) agency.
  - WRWRF: 6.67 MGD Existing Capacity
  - Recently Expanded in 2009
- Water Division - $20.5 million
- Sewer Division - $14.5 million
- Recycled Water Division - $2.1 million
- Total Annual Budget - $37 million



SAGE Project

- Wochholz Regional Water Recycling Facility (WRWRF)
- SAGE Project Purpose
  - Expand/enhance existing tertiary treatment system to allow production of highly purified recycle water for groundwater recharge
  - Other improvements to improve operation of existing MF system
    - Additional MF train
    - MF Tertiary Clarifier

WRWRF History

- 1985 – Initial Construction
- 1990 – Stage I Expansion
- 1991 – Stage II Expansion
- **2009 – 2009 Expansion**
  - **Tertiary Treatment upgrade – MF and UV**
- **2012 – WISE Project**
  - **Temporary partial RO for TDS blending**

Design Team

- Prime Engineer: Brown and Caldwell (BC, formerly SPI); Subconsultant: Kennedy Jenks (KJ)
  - General - BC
  - Civil – KJ
  - Architectual – KJ
  - Structural – KJ
  - Process Mechanical - BC
  - HVAC – KJ
  - Plumbing – KJ
  - Electrical – KJ
  - Instrumentation - BC

Summary of Work

- New AWP Building
  - Pre-engineered metal building
    - Electrical room
    - Operations room
    - Restroom
  - RO system – 2 trains
  - UVAOP system – 2 Trains
  - Chemical facilities
  - Exterior decarbonators, wet wells/pump stations
- Existing MF/UV Building Upgrades
  - Demolition – existing RO system
  - Relocation to AWP Building
    - RO Feed Pump/Cartridge Filter
    - RO CIP System
    - Sulfuric Acid Tank
    - Chemical metering pumps
  - One new MF train
  - Upgrade HVAC system
- MF Tertiary Clarifier – Additive Bid Item

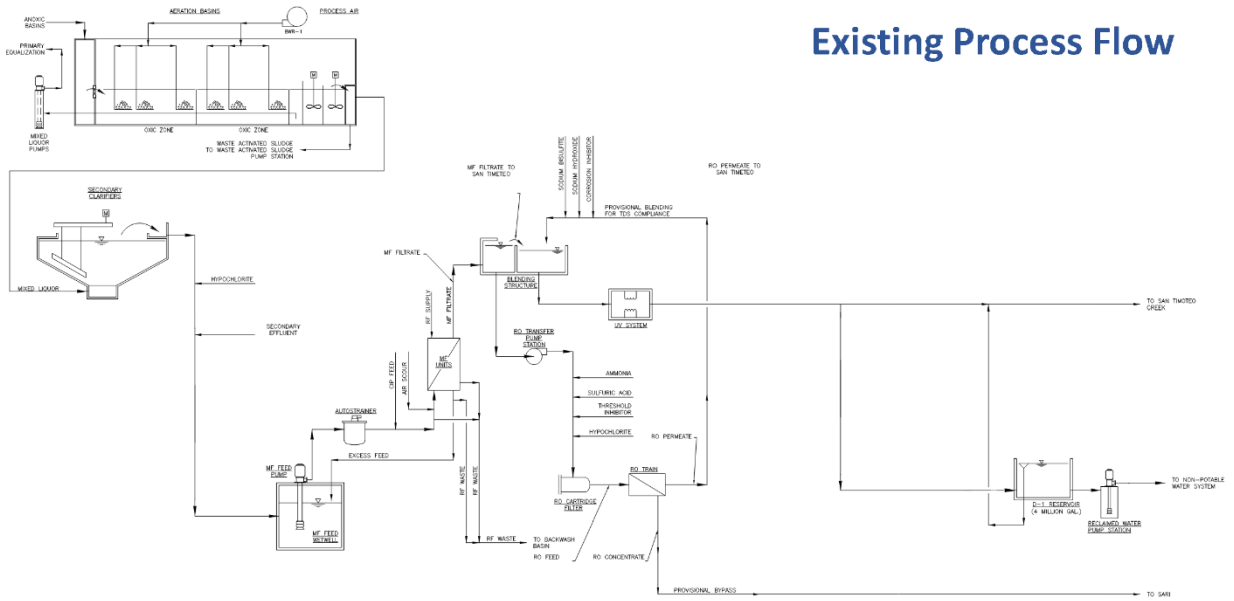
Pre-Procured Equipment Requiring Contractor Installation

- MF Procurement Contract and Equipment Installation (Biwater)

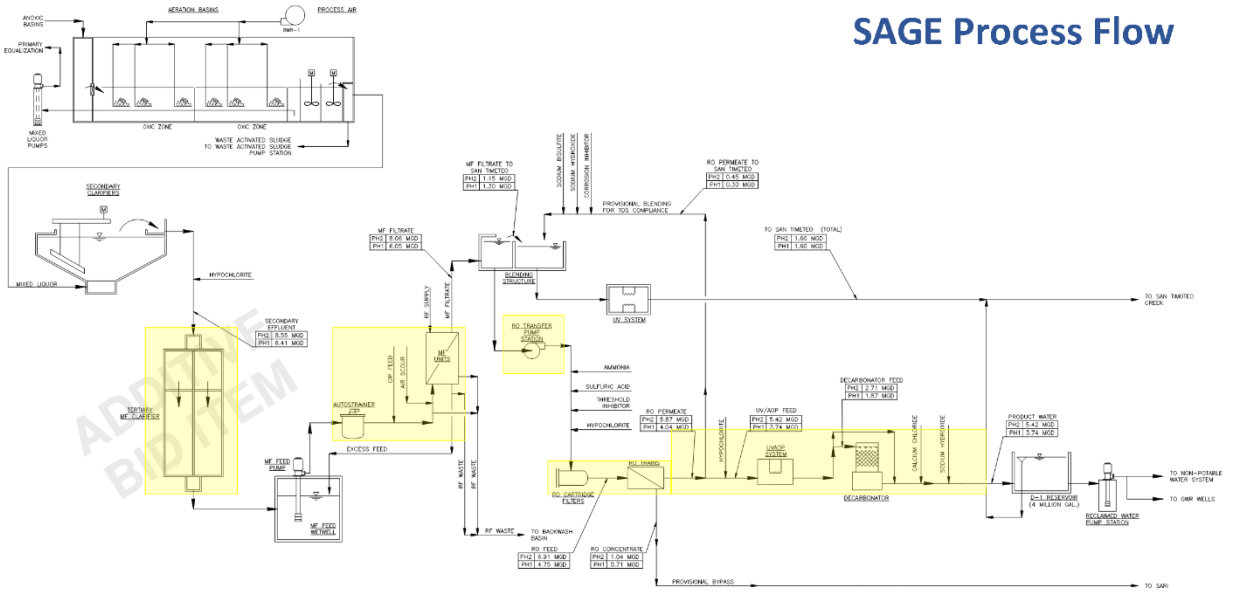
Scope Delineation

- Relocated/Reused equipment is shown with "*" on the P&IDs and process mechanical drawings
- Pre-procured packages are outlined with dashed lines on the P&IDs
- Additive bid item drawings shown with "ADDITIVE BID ITEM" watermark

Existing Process Flow



SAGE Process Flow



Site Plan and Contractor Storage

PLANT PLAN
SCALE: 1" = 200'-0"

PLANT ENTRANCE PLAN
SCALE: 1" = 200'-0"

Site Layout - AWP Building

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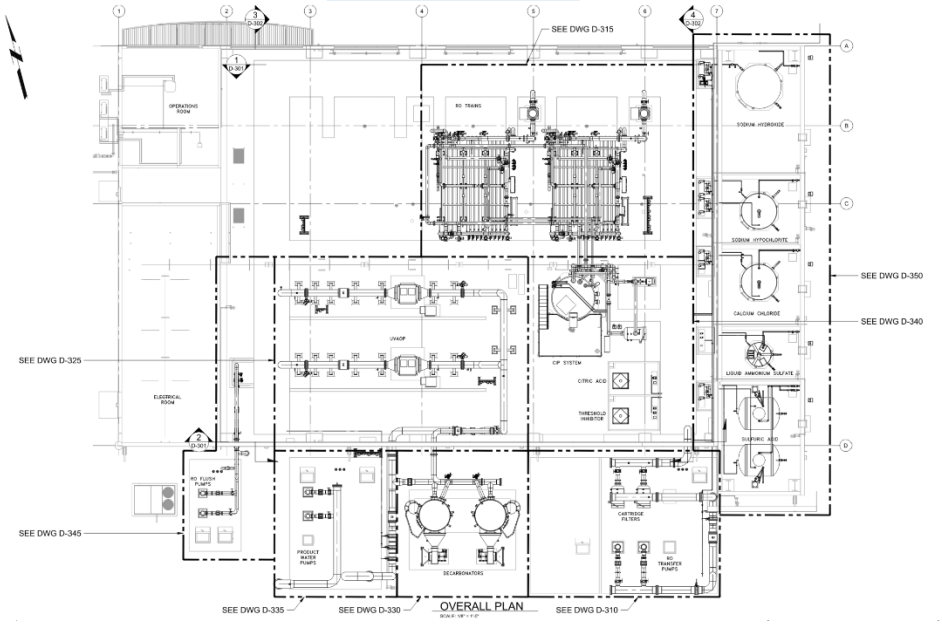

Site Layout - Existing MF/UV Building

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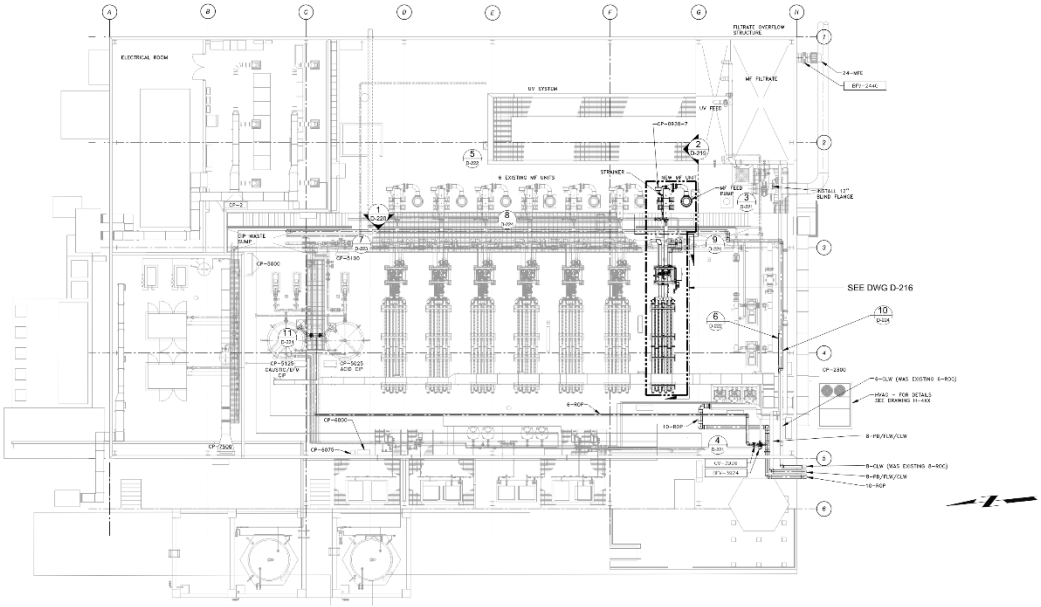

Site Layout - MF Tertiary Clarifier

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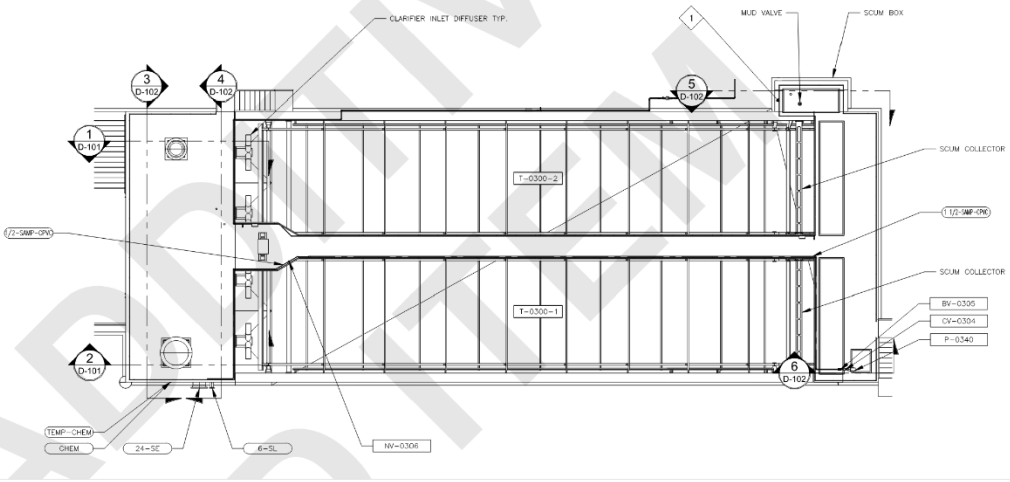


Site Layout - Yard Piping

PLANT PLAN
SCALE: 1" = 200'-0"

Design Considerations

- Reuse/relocate existing equipment from WISE project
- Match exist equipment where feasible and requested by operations staff
- AIS considerations - FRP instead of stainless/DIP aboveground
- maintain operation of existing RO train as long as possible to assist with meeting permit requirements

Design Considerations

- DIP for large diameter buried pipe per District preference
- Collaboratively developed (District & Design Team) architectural enhancements for AWP Building
- Cement Deep Soil Mixing (CDSM) per Geotech recommendation and structural engineer's recommendation
- MF Building – Upgrade HVAC system for pest control and operator comfort
- Fire Sprinklers for AWP Building
- Relocate large HP VFD but replace smaller HP VFD
- Reuse/Expand existing control panels

Board Reports and Comments

Yucaipa Valley Water District

Yucaipa Valley Water District

FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

Service Area Size: 40 square miles (sphere of influence is 68 square miles)

Elevation Change: 3,140 foot elevation change (from 2,044 to 5,184 feet)

Number of Employees: 5 elected board members
75 full time employees

FY 2025-26 Operating Budget: Water Division - $27,377,636
Sewer Division - $15,894,051
Recycled Water Division - $2,445,980

Number of Services: 15,613 drinking water connections serving 19,718 units
15,177 sewer connections serving 22,474 units
904 recycled water connections serving 1,053 units

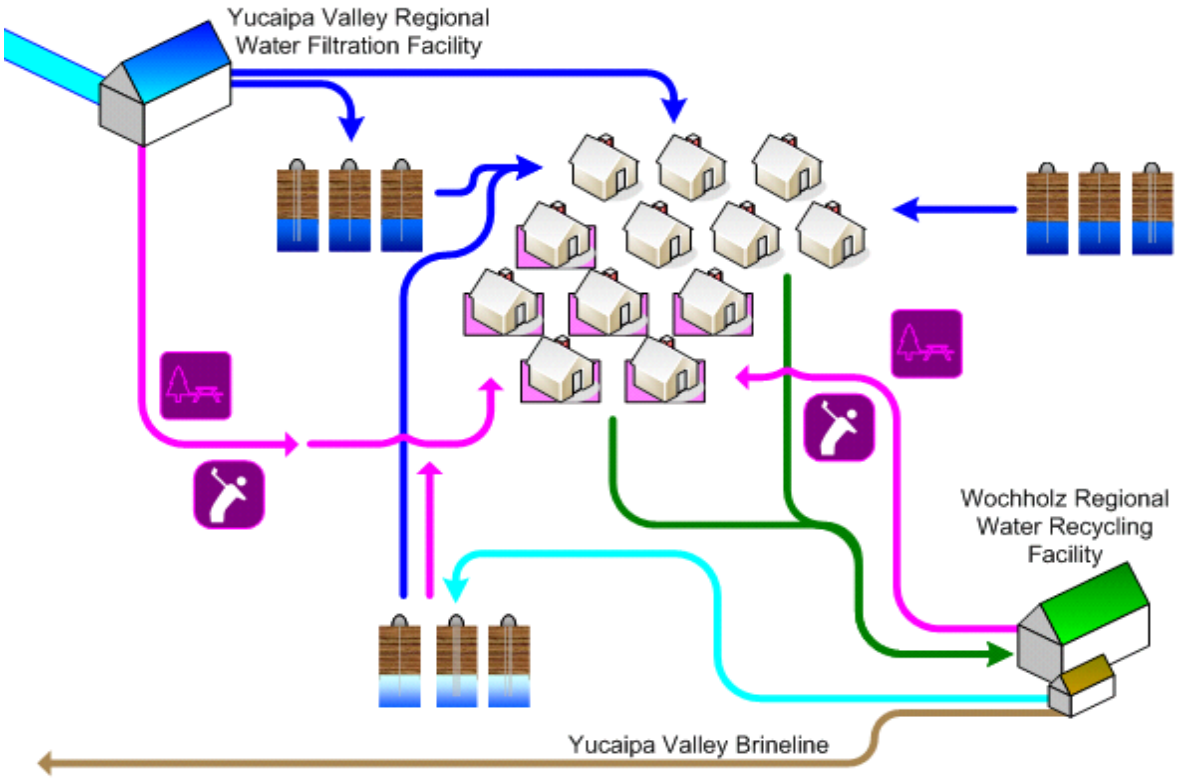
Water System: 243 miles of drinking water pipelines
2,324 fire hydrants
32 reservoirs - 38 million gallons of storage capacity
18 pressure zones
3.376 billion gallon annual drinking water demand
12 MGD - Yucaipa Valley Regional Water Filtration Facility

Sewer System: 8.0 million gallon treatment capacity - current flow at 4.0 mgd
228 miles of sewer mainlines
4,846 sewer manholes
6 sewer lift stations
1.46 billion gallons of recycled water produced per year

Recycled Water: 44 miles of recycled water pipelines
5 reservoirs - 12 million gallons of storage
0.623 billion gallon annual recycled water demand

Brine Disposal: 2.2 million gallon desalination facility at sewer treatment plant
1.756 million gallons of Inland Empire Brine Line capacity
0.595 million gallons of treatment capacity in Orange County

Sustainability Plan: A Strategic Plan for a Sustainable Future: The Integration and Preservation of Resources, adopted on August 20, 2008.



Typical Rates, Fees, and Charges:

- Drinking Water Commodity Charge:

1,000 gallons to 15,000 gallons	$1.848 per each 1,000 gallons
16,000 gallons to 60,000 gallons	$2.786 per each 1,000 gallons
61,000 gallons to 100,000 gallons	$2.798 per each 1,000 gallons
101,000 gallons or more	$2.969 per each 1,000 gallons

- Recycled Water Commodity Charge:

1,000 gallons or more	$1.966 per each 1,000 gallons

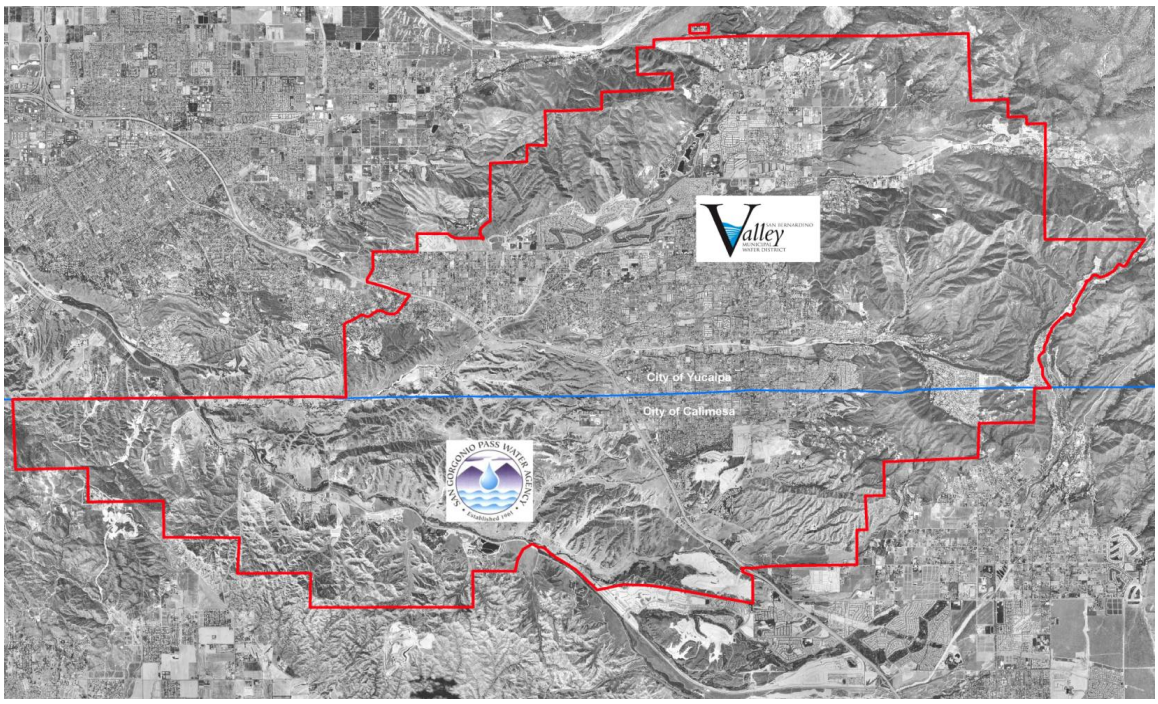
- Water Meter Service Charge (Drinking Water or Recycled Water):

5/8” x 3/4” Water Meter	$18.50 per month
1” Water Meter	$30.90 per month
1-1/2” Water Meter	$61.61 per month

- Sewer Collection and Treatment Charge:

Typical Residential Charge	$47.72 per month

State Water Contractors: San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency



	San Bernardino Valley Municipal Water District	San Gorgonio Pass Water Agency
Service Area Size	353 square miles	222 square miles
Table “A” Water Entitlement	102,600 acre feet	17,300 acre feet
Imported Water Rate	$125.80 / acre foot	$399 / acre foot
Tax Rates for FY 2023-24	$0.1200 per $100	$0.1750 per $100
Number of Board Members	Five (5)	Seven (7)
Operating Budget FY 2024-25	$40,858,510	$20,980,000

Imported Water Charges (Pass-through State Water Project Charge)

- San Bernardino Valley Municipal Water District - Customers in San Bernardino County or City of Yucaipa pay a pass-through amount of $0.3054 per 1,000 gallons.

- San Gorgonio Pass Water Agency - Customers in Riverside County or City of Calimesa pay a pass-through amount of $0.9689 per 1,000 gallons.

Yucaipa Valley Water District

GLOSSARY OF COMMONLY USED TERMS

Every profession has specialized terms which generally evolve to facilitate communication between individuals. The routine use of these terms tends to exclude those who are unfamiliar with the specialized language of the group. Sometimes jargon can create communication difficulties where professionals in related fields use different terms for the same phenomena.

Below are commonly used water terms and abbreviations with commonly used definitions. If there is any discrepancy in definitions, the District's Regulations Governing Water Service is the final and binding definition.

Acre Foot of Water - The volume of water (325,850 gallons, or 43,560 cubic feet) that would cover an area of one acre to a depth of 1 foot.

Activated-Sludge Process - A secondary biological wastewater treatment process where bacteria reproduce at a high rate with the introduction of excess air or oxygen and consume dissolved nutrients in the wastewater.

Annual Water Quality Report - The document is prepared annually and provides information on water quality, constituents in the water, compliance with drinking water standards and educational material on tap water. It is also referred to as a Consumer Confidence Report (CCR).

Aquifer - The natural underground area with layers of porous, water-bearing materials (sand, gravel) capable of yielding a supply of water; see Groundwater basin.

Backflow - The reversal of water's normal direction of flow. When water passes through a water meter into a home or business it should not reverse flow back into the water mainline.

Best Management Practices (BMPs) - Methods or techniques found to be the most effective and practical means of achieving an objective. Often used in the context of water conservation.

Biochemical Oxygen Demand (BOD) - The amount of oxygen used when organic matter undergoes decomposition by microorganisms. Testing for BOD is done to assess the amount of organic matter in water.

Biosolids - Biosolids are nutrient rich organic and highly treated solid materials produced by the wastewater treatment process. This high-quality product can be recycled as a soil amendment on farmland or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

Capital Improvement Program (CIP) - Projects for repair, rehabilitation, and replacement of assets. Also includes treatment improvements, additional capacity, and projects for the support facilities.

California Environmental Quality Act (CEQA) - The California Environmental Quality Act (CEQA) is a California state law that requires state and local agencies to identify, analyze, and mitigate potential environmental impacts of proposed projects before approving them.

Certificate of Participation (COP) – A type of financing where an investor purchases a share of the lease revenues of a program rather than the bond being secured by those revenues.

Coliform Bacteria - A group of bacteria found in the intestines of humans and other animals, but also occasionally found elsewhere used as indicators of sewage pollution. E. coli is the most common bacteria in wastewater.

Collections System - In wastewater, it is the system of underground pipes that receive and convey sanitary wastewater or storm water.

Conjunctive Use - The coordinated management of surface water and groundwater supplies to maximize the yield of the overall water resource. Active conjunctive use uses artificial recharge, where surface water is intentionally percolated or injected into aquifers for later use. Passive conjunctive use is to simply rely on surface water in wet years and use groundwater in dry years.

Consumer Confidence Report (CCR) - see Annual Water Quality Report.

Contaminants of Potential Concern (CPC) - Pharmaceuticals, hormones, and other organic wastewater contaminants.

Cross-Connection - The actual or potential connection between a potable water supply and a non-potable source, where it is possible for a contaminant to enter the drinking water supply.

Disinfection by-Products (DBPs) - The category of compounds formed when disinfectants in water systems react with natural organic matter present in the source water supplies. Different disinfectants produce distinct types or amounts of disinfection byproducts. Disinfection byproducts for which regulations have been established have been identified in drinking water, including trihalomethanes, haloacetic acids, bromate, and chlorite.

Drought - a period of below average rainfall causing water supply shortages.

Fire Flow - The ability to have a sufficient quantity of water available to the distribution system to be delivered through fire hydrants or private fire sprinkler systems.

Fiscal Year - The twelve-month period beginning on July 1 and ending on June 30.

Gallons per Capita per Day (GPCD) - A measurement of the average number of gallons of water used by the number of people served each day in a water system. The calculation is made by dividing the total gallons of water used each day by the total number of people using the water system.

Generally Accepted Accounting Principles -

Groundwater Basin - An underground body of water or aquifer defined by physical boundaries.

Groundwater Recharge - The process of placing water in an aquifer. Can be a naturally occurring process or artificially enhanced.

Hard Water - Water having a high concentration of minerals, typically calcium and magnesium ions.

Hydrologic Cycle - The process of evaporation of water into the air and its return to earth in the form of precipitation (rain or snow). This process also includes transpiration from plants, percolation into the ground, groundwater movement, and runoff into rivers, streams, and the ocean; see Water cycle.

Levels of Service (LOS) - Goals to support environmental and public expectations for performance.

Mains, Distribution - A network of pipelines that delivers water (drinking water or recycled water) from transmission mains to residential and commercial properties, usually pipe diameters of 4" to 16".

Mains, Transmission - A system of pipelines that deliver water (drinking water or recycled water) from a source of supply the distribution mains, usually pipe diameters of greater than 16".

Meter - A device capable of measuring, in either gallons or cubic feet, a quantity of water delivered by the District to a service connection.

Overdraft - The pumping of water from a groundwater basin or aquifer in excess of the supply flowing into the basin. This pumping results in a depletion of the groundwater in the basin which has a net effect of lowering the levels of water in the aquifer.

Pipeline - Connected piping that carries water, oil, or other liquids. See Mains, Distribution and Mains, Transmission.

Point of Responsibility, Metered Service - The connection point at the outlet side of a water meter where a landowner's responsibility for all conditions, maintenance, repairs, use and replacement of water service facilities begins, and the District's responsibility ends.

Potable Water - Water that is used for human consumption and regulated by the California Department of Public Health.

Pressure Reducing Valve - A device used to reduce the pressure in a domestic water system when the water pressure exceeds desirable levels.

Pump Station - A drinking water or recycled water facility where pumps are used to push water up to a higher elevation or different location.

Reservoir - A water storage facility where water is stored to be used later for peak demands or emergencies such as fire suppression. Drinking water and recycled water systems will typically use concrete or steel reservoirs. The State Water Project system considers lakes, such as Shasta Lake and Folsom Lake, to be water storage reservoirs.

Runoff - Water that travels downward over the earth's surface due to the force of gravity. It includes water running in streams as well as over land.

Santa Ana River Interceptor (SARI) Line - A regional brine line designed to convey 30 million gallons per day (MGD) of non-reclaimable wastewater from the upper Santa Ana River basin to Orange County Sanitation District for treatment, use and/or disposal.

Secondary treatment - Biological wastewater treatment, particularly the activated-sludge process, where bacteria and other microorganisms consume dissolved nutrients in wastewater.

Service Connection - The water piping system connecting a customer's system with a District water main beginning at the outlet side of the point of responsibility, including all plumbing and equipment located on a parcel required for the District's provision of water service to that parcel.

Sludge - Untreated solid material created by the treatment of wastewater.

Smart Irrigation Controller - A device that automatically adjusts the time and frequency with which water is applied to landscaping based on real-time weather such as rainfall, wind, temperature, and humidity.

South Coast Air Quality Management District (SCAQMD) - Regional regulatory agency that develops plans and regulations designed to achieve public health standards by reducing emissions from business and industry.

Special district - A form of local government created by a local community to meet a specific need. Yucaipa Valley Water District is a County Water District formed pursuant to Section 30000 of the California Water Code

Supervisory Control and Data Acquisition (SCADA) - A computerized system which provides the ability to remotely monitor and control water system facilities such as reservoirs, pumps, and other elements of water delivery.

Surface Water - Water found in lakes, streams, rivers, oceans, or reservoirs behind dams. In addition to using groundwater, Yucaipa Valley Water District receives surface water from the Oak Glen area.

Sustainable Groundwater Management Act (SGMA) - Pursuant to legislation signed by Governor Jerry Brown in 2014, the Sustainable Groundwater Management Act requires water agencies to manage groundwater extractions to not cause undesirable results from over production.

Transpiration - The process by which water vapor is released into the atmosphere by living plants.

Trickling filter - A biological secondary treatment process in which bacteria and other microorganisms, growing as slime on the surface of rocks or plastic media, consume nutrients in wastewater as it trickles over them.

Underground Service Alert (USA) - A free service (https://www.digalert.org) that notifies utilities such as water, telephone, cable and sewer companies of pending excavations within the area (dial 8-1-1 at least 2 working days before you dig).

Urban runoff - Water from city streets and domestic properties that carry pollutants into the storm drains, rivers, lakes, and oceans.

Valve - A device that regulates, directs, or controls the flow of water by opening, closing, or partially obstructing various passageways.

Wastewater - Any water that enters the sanitary sewer.

Water Banking - The practice of actively storing or exchanging in-lieu surface water supplies in available groundwater basin storage space for later extraction and use by the storing party or for sale or exchange to a third party. Water may be banked as an independent operation or as part of a conjunctive use program.

Water Cycle - The continuous movement of water from the earth's surface to the atmosphere and back again.

Water Pressure - Water pressure is created by the weight and elevation of water and/or generated by pumps that deliver water to customers.

Water Service Line - A water service line is used to deliver water from the Yucaipa Valley Water District's mainline distribution system.

Water table - the upper surface of the zone of saturation of groundwater in an unconfined aquifer.

Water transfer - a transaction, in which a holder of a water right or entitlement voluntarily sells/exchanges to a willing buyer the right to use all or a portion of the water under that water right or entitlement.

Watershed - A watershed is the region or land area that contributes to the drainage or catchment area above a specific point on a stream or river.

Water-Wise House Call - a service which provides a custom evaluation of a customer's indoor and outdoor water use and landscape watering requirements.

Well - a hole drilled into the ground to tap an underground aquifer.

Wetlands - lands which are fully saturated or under water at least part of the year, like seasonal vernal pools or swamps.

WIFIA - Water Infrastructure Finance and Innovation Act. The WIFIA program administered by the Environmental Protection Agency accelerates investment in our nation's water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects.

Yucaipa Valley Water District

COMMONLY USED ABBREVIATIONS

AQMD	Air Quality Management District
BOD	Biochemical Oxygen Demand
CARB	California Air Resources Board
CCTV	Closed Circuit Television
CWA	Clean Water Act
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
FOG	Fats, Oils, and Grease
GPD	Gallons per day
MGD	Million gallons per day
O & M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
POTW	Publicly Owned Treatment Works
PPM	Parts per million
RWQCB	Regional Water Quality Control Board
SARI	Santa Ana River Inceptor
SAWPA	Santa Ana Watershed Project Authority
SBVMWD	San Bernardino Valley Municipal Water District
SCADA	Supervisory Control and Data Acquisition system
SGMA	Sustainable Groundwater Management Act
SSMP	Sanitary Sewer Management Plan
SSO	Sanitary Sewer Overflow
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
WDR	Waste Discharge Requirements
WIFIA	Water Infrastructure Finance and Innovation Act
YVWD	Yucaipa Valley Water District