QUARTZ HILL WATER DISTRICT

Agenda Notice Regular Board Meeting September 17, 2026

AGENDA
NOTICE OF REGULAR BOARD MEETING

TIME: 5:30pm
DATE: September 17, 2026
Location: Quartz Hill Water District
5034 W Avenue L Quartz Hill, CA 93536

1. **CALL TO ORDER**

2. **ROLL CALL**

3. **PLEDGE OF ALLEGIANCE**

4. **ADOPTION OF AGENDA**
Members of the public shall have an opportunity to comment on each agenda item as the Board is considering it, prior to action being taken.

5. **PUBLIC COMMENT**

6. **DISCUSSION ITEM**

7. **ACTION ITEMS**
Matters listed under the consent calendar are considered routine and non-controversial and will be acted upon in one motion in the order listed below. There will be no separate discussion on these matters unless requested by a Member of the Board or the public prior to the time the Board approves the items.

7.1 Consent Calendar

1. Consideration and possible approval of August 20, 2026, minutes of the regular meeting of the board of directors.

2. Consideration and approval of the August check register.

7.2 Action Calendar

1. Consideration and possible action to renew the Will Serve Letter for the apartment complex located at APN # 3109-001-074, which has 111 units near Avenue L and 37th Street West.

2. Consideration and possible action to approve the proposal for water treatment pilot study at Site 32.

3. Consideration and possible action to authorize the General Manager to proceed with the Site 18 revised Bakersfield Well & Pump proposal to include sound barrier walls, and options for the stainless-steel screened sections.

4. Consideration and possible action to approve the treatment facility design proposal for Site 32 by Ardurra.

5. Consideration and possible action to approve the General Manager to close from the day following Christmas to New Years Eve, pending written acceptance from AFSCME Local 1902.

8. INFORMATION ITEMS (Written Reports Included)

8.1 Staff Report

1. Report by Administrative Supervisor
2. Report by Assistant General Manager Brach Smith
3. Report by General Manager Brent Byrne

8.2 Director's Report

8.3 Attorney's Report

9. DIRECTOR REQUEST FOR FUTURE AGENDA ITEMS

10. CLOSED SESSION

1. **CONFERENCE WITH REAL PROPERTY NEGOTITATORS**
   (Government Code section 54956.8)
   Property: One Hundred Thirty acre – feet of permanent production water rights
   Agency Negotiator: Brent Byrne
   Negotiating Parties: Calandri Farms, Inc.
   Under Negotiation: Instruction to negotiator will concern price and terms of payment

11. REPORT OF ACTIONS TAKEN IN CLOSED SESSION

12. ADJOURNMENT

In accordance with the Americans with Disabilities Act of 1990, this agenda will be made available in an appropriate alternative format upon request for individuals with disabilities. If you need disability-related modifications or accommodations to attend or participate in this meeting, including auxiliary aids or services, please contact the Board Secretary at (661) 943-3170, visit the Quartz Hill Water District office, or email slopez@qhwd.org at least 48 hours prior to the meeting.

Minutes of the Regular Meeting and Public Meeting of the Board of Directors

Quartz Hill Water District

DATE: Thursday, August 20th, 2026

TIME: 5:30 p.m.

LOCATION: Quartz Hill Water District, 5034 W Avenue L, Quartz Hill, CA. 93536

1. CALL TO ORDER

President Carter called the meeting to order at 5:30 p.m.

2. ROLL CALL

Board Members:

- President: Sheldon Carter (Present)
- Vice President: Rod Holtz (Present)
- Director: Allen G. Flick, SR. (Present)
- Director: Dan Massari (Present)
- Director: Lance Pierson (Present)

Others Present:

- Brent Byrne, General Manager
- Brach Smith, Assistant General Manager
- Mrs. Lopez, Administrative Supervisor/ Board Secretary
- Brad Weeks, Attorney, Charlton Weeks LLP

Members of the Public: 1 attendee

3. PLEDGE OF ALLEGIANCE

- Led by Director Massari.

4. ADOPTION OF AGENDA

Action: With no requests for amendments, the agenda was adopted by unanimous assent.

5. PUBLIC COMMENT

- No public comment.

6. ADOURN TO PUBLIC HEARING

Action: President Carter adjourned the regular meeting and called the public hearing to order at 5:31 pm. Notice of the public hearing was published in the newspaper on August 4, 2026, and

August 11, 2026. Brent Byrne presented the proposed Director compensation increase. No protest or public testimony was received. The protest period was closed following the final call for protests and no protest was received.

6.8 Consideration and possible action to approve Resolution No.26-0820A regarding director compensation increase.

Action: Resolution 26-0820A regarding the Director compensation increase was approved. Motion made by Director Holtz, seconded by Director Massari and approved by all members present.

6.9 Board President Closes Public Hearing and Announces the Time 5:34 p.m.

Action: President Carter closed the public hearing at 5:34 p.m.

7. Board President RECONVENE TO REGULAR MEETING – Announce Time 5:34 p.m.

Action: President Carter reconvened the regular meeting at 5:34 p.m.

8. Discussion Items

- None

9. Action Items

9.1 Consent Calendar

1. Approval of July 16, 2026, Regular Board meeting minutes.
2. Approval of the July check register.

Action: The Consent calendar was approved by unanimous assent.

9.2 Action Calendar

1. Consideration and possible action to renew Will Serve Request for Tract No. 62403, located at 80th St West and Avenue L 235 single family lots.

Action: Approved the will serve renewal for Tract No. 62403 located at 80th St West and Avenue L. Motion made by Director Holtz, seconded by Director Pierson, and approved by all members present.

2. Consideration and possible action to approve the purchase of 500 meters per the Districts Capital Improvement Plan. (CIP).

Approved: The purchase of 500 meters per the Districts Capital Improvement Plan. Motion made by Director Massari, seconded by Director Holtz, and approved by all members present.

10. INFORMATION ITEMS:

10.1 Staff Reports

1. Administrative Supervisor Mrs. Lopez provided a verbal summary of written report.

2. Assistant General Manager Brach Smith provided a verbal summary of written report.

3. General Manager Brent Byrne provided a verbal summary of written report.

10.2 Report by Directors

- No report.

10.3 Report by Attorney

- Attorney Brad Weeks provided a verbal report.

11. DIRECTOR REQUESTS FOR FUTURE AGENDA ITEMS

- None

12. CLOSED SESSION

- None

13. ADJOURNMENT

President Carter adjourned the meeting at 6:30 p.m.

Attest:

_____

Sheldon Carter, Vice President

Quartz Hill Water District

Check/Voucher Register

From 8/1/2026 Through 8/31/2026

Document Date	Document Number	Payee	Document Amount
8/18/2026	3797	ASHLEY ALLEN	40.00
8/18/2026	3798	Hugo Castillo	19.84
8/18/2026	3799	AMANDA CHEVAL	18.74
8/18/2026	3800	THOMAS FERGUSON	20.99
8/18/2026	3801	JOHN ROCKEY	58.44
8/18/2026	3802	Sandra Perry	9.04
8/18/2026	3803	RONALD PORTER	56.20
8/18/2026	3803	RONALD PORTER	(56.20)
8/18/2026	3804	Ray Aloke	3.67
8/18/2026	3805	Gustavo Rodriguez	92.72
8/18/2026	3806	Valencia Sanders	23.15
8/18/2026	3807	TERI TAFT	145.51
8/18/2026	3808	Jason Thorman	122.05
Report Total			554.15

Quartz Hill Water District

Check/Voucher Register - CHECK REGISTER

From 8/1/2026 Through 8/31/2026

Document Date	Check Number	Payee	Check Amount
8/4/2026	14675	ACWA JOINT POWERS INSURANCE AUTHORITY	28,158.84
8/4/2026	14676	ACWA JOINT POWERS INSURANCE AUTHORITY	1,928.72
8/4/2026	14677	Antelope Valley Window Cleaning	30.00
8/4/2026	14678	Antelope Valley East Kern Water Agency	168,739.68
8/4/2026	14679	Antelope Valley East Kern Water Agency	105,437.16
8/4/2026	14680	Charlton Weeks Attorneys at Law	760.00
8/4/2026	14681	C.J. BROWN & COMPANY CPA's	7,679.00
8/4/2026	14682	Clinical Laboratory of San Bernardino, Inc.	702.50
8/4/2026	14683	Coverall North America, Inc.	693.00
8/4/2026	14684	MKN (MICHAEL K. NUNLEY & ASSOCIATES, INC	11,255.75
8/4/2026	14684	MKN (MICHAEL K. NUNLEY & ASSOCIATES, INC	316.00
8/4/2026	14685	PUBLIC WATER AGENCIES GROUP	1,372.00
8/4/2026	14685	PUBLIC WATER AGENCIES GROUP	910.00
8/5/2026	14686	Antelope Valley Watermaster	3,500.00
8/19/2026	14687	AFSCME LOCAL 1902	682.26
8/19/2026	14688	D&H WATER SYSTEMS	969.61
8/19/2026	14689	HYDROPRO SOLUTIONS	829.16
8/19/2026	14690	MKN (MICHAEL K. NUNLEY & ASSOCIATES, INC	4,293.00
8/19/2026	14691	PUBLIC WATER AGENCIES GROUP	1,372.00
8/19/2026	14692	RBC Inc	6,493.38
8/19/2026	14692	RBC Inc	1,719.50
8/19/2026	14692	RBC Inc	2,333.10
8/19/2026	14693	Tesco Controls, Inc	4,797.92
8/20/2026	14694	RBC Inc	4,596.50
8/20/2026	14695	Registrar-Recorder/County Clerk	25.00
8/20/2026	14696	Tesco Controls, Inc	1,760.42
Report Total			361,354.50

Quartz Hill Water District
Cash Journal - Check Register
From 8/1/2026 Through 8/31/2026

1030 - (California Bank & Trust)

Document Number	Effective Date	Transaction Description	Journal Vouchers	Type
01	8/3/2026	SCE Power Well 14 (06.16 to 07.15.26) SCE	923.60	JV
02	8/3/2026	SCE Power (Opp Center) 06.16 to 07.15.26 SCE	2,539.53	JV
02	8/3/2026	SCE Power (Opp Center) 06.16 to 07.15.26	1,309.68	JV
03	8/3/2026	ECRYPT previously BankcardUSA (1015) July 2026 services	199.32	JV
04	8/3/2026	ECRYPT previously BankcardUSA (General) July 2026 services	7,716.97	JV
05	8/4/2026	AUTHORIZE.NET (1015 July 2026 trans and batches)	14.80	JV
06	8/4/2026	AUTHORIZE.NET (General July 2026 trans and batches)	416.80	JV
07	8/7/2026	LINCOLN (08.06.26 PAYROLL)	2,955.47	JV
08	8/7/2026	CALPERS-CLASSIC (08.06.26 PAYROLL)	6,003.80	JV
09	8/7/2026	CALPERS-PEPRA (08.06.26 PAYROLL)	4,506.37	JV
10	8/11/2026	EDD 08.06.26 SIT PAYROLL TAXES	3,040.47	JV
10	8/11/2026	EDD 08.06.26 SDI PAYROLL TAXES	796.87	JV
11	8/12/2026	IRS 08.06.26 FIT PAYABLE-TAXES PAYROLL	7,408.87	JV
11	8/12/2026	IRS 08.06.26 SOCIAL SECURITY-TAXES PAYROLL	6,119.94	JV
11	8/12/2026	IRS 03.01.18 MEDICARE-TAXES PAYROLL	1,777.62	JV
12	8/12/2026	SCE Power Well 16 (06.30 to 07.29.26)	784.87	JV
13	8/12/2026	SCE Power Multi (well 5A) 06.04 to 07.05.26 SCE	7,339.18	JV
13	8/12/2026	SCE Power Multi (Well 08) 06.30 to 07.29.26	5,768.28	JV
13	8/12/2026	SCE Power Multi (Well 06) 06.30 to 07.29.26	4,638.02	JV
13	8/12/2026	SCE Power Multi (well 5A) 06.04 to 07.05.26	3,164.84	JV
13	8/12/2026	SCE Power Multi (Well 12) 06.30 to 07.29.26	2,446.38	JV
13	8/12/2026	SCE Power Multi (Well 17) 06.16 to 07.15.26 SCE	1,919.84	JV
13	8/12/2026	SCE Power Multi (Cal Prop) 06.04 to 07.05.26 SCE	805.13	JV
13	8/12/2026	SCE Power Multi (Forecast Pump) 06.25 to 07.26.26 SCE	763.38	JV
13	8/12/2026	SCE Power Multi (Well 17) 06.16 to 07.15.26	723.01	JV
13	8/12/2026	SCE Power Multi (Cal Prop) 06.04 to 07.05.26	634.72	JV
13	8/12/2026	SCE Power Multi (Tanks on Hill) 06.04 to 07.25.26	208.49	JV
13	8/12/2026	SCE Power Multi (Ave M Pump) 06.03 to 07.01.26 SCE	187.37	JV
13	8/12/2026	SCE Power Multi (Ave M Pump) 06.03 to 07.01.26	57.23	JV
13	8/12/2026	SCE Power Multi (Forecast Pump) 06.25 to 07.26.26	52.00	JV
13	8/12/2026	SCE Power Multi (turn out 70th) 06.04 to 07.05.26	43.24	JV
13	8/12/2026	SCE Power Multi (Ave N turnout) 06.04 to 07.05.26 SCE	28.80	JV
13	8/12/2026	SCE Power Multi (M4 and 50th) 06.04 to 07.05.26 SCE	18.88	JV
13	8/12/2026	SCE Power Multi (Ave N turnout) 06.04 to 07.05.26	14.69	JV
13	8/12/2026	SCE Power Multi (M4 and 50th) 06.04 to 07.05.26	4.39	JV
14	8/12/2026	SCE Power Well 7 06.03 to 07.29.26	3,254.86	JV
15	8/17/2026	SCE Power Well 9 (06.30 to 07.29.26) SCE	3,124.12	JV
16	8/17/2026	SCE Power Well 15 (07.01 to 07.30.26) SCE	1,534.42	JV
17	8/17/2026	SCE Standby House at Site-32 (06.30 to 07.29.26) SCE	49.53	JV
18	8/17/2026	AGRO-TECH LANDSCAPING (August 2026) OP CNTR	945.00	JV
19	8/17/2026	EideBailly (July 2026 services)	8,190.00	JV
20	8/17/2026	Ferguson (12 MTR ANG BV LW) Replace inventory	1,570.14	JV
21	8/18/2026	CINTAS (UNIFORM SERVICE)07.16 to 08.23.26 Invoices	765.71	JV

Quartz Hill Water District
Cash Journal - Check Register
From 8/1/2026 Through 8/31/2026

1030 - (California Bank & Trust)

Document Number	Effective Date	Transaction Description	Journal Vouchers	Type
22	8/18/2026	WELLS FARGO-BANK SAFEKEEP 07.01.26 date (Aug statement)	55.00	JV
23	8/18/2026	INFOSEND (POSTAGE) JULY 2026 SERVICES	3,542.91	JV
23	8/18/2026	INFOSEND (BILLING) JULY 2026 SERVICES	1,930.62	JV
24	8/18/2026	Culligan (August 2026 services) Well-7 water softner	66.21	JV
25	8/18/2026	Culligan (August 2026 services) Well-5a water softner	59.65	JV
26	8/18/2026	Culligan (August 2026 services) Well-9 water softner	59.65	JV
27	8/20/2026	SO CAL GAS (OPERATIONS CENTER) 06.29 to 07.29.26	15.46	JV
28	8/21/2026	Cal Bank and Trust Analysis (July 2026 Bank Fees)	2,151.53	JV
29	8/21/2026	CALPERS-CLASSIC (08.20.26 PAYROLL)	5,983.33	JV
30	8/21/2026	CALPERS-PEPRA (08.20.26 PAYROLL)	4,531.82	JV
31	8/24/2026	LINCOLN (08.20.26 PAYROLL)	2,701.46	JV
32	8/24/2026	WASTE MANAGEMENT (JULY 2026 SERVICES) 08.01.26 INVOICE	155.47	JV
33	8/25/2026	EDD 08.20.26 SIT PAYROLL TAXES	2,945.85	JV
33	8/25/2026	EDD 08.20.26 SDI PAYROLL TAXES	782.20	JV
34	8/26/2026	IRS 08.20.26 FIT PAYABLE-TAXES PAYROLL	7,126.23	JV
34	8/26/2026	IRS 08.20.26 SOCIAL SECURITY-TAXES PAYROLL	5,980.22	JV
34	8/26/2026	IRS 08.20.26 MEDICARE-TAXES PAYROLL	1,826.17	JV
35	8/31/2026	SHARP-MONTHLY SUPPORT (JULY 2026)	2,292.00	JV
		Report Total	136,972.41	

Civil Design and Drafting, Inc.
civil engineering and land development services

August 1, 2026

Board of Directors
Quartz Hill Water District
5034 W Avenue L
Quartz Hill, CA 93536

Re: Will Serve Letter for Apartment Complex-APN 3109-001-074

Dear Quartz Hill Water District,

As agent for Val Investments, LLC, we are requesting a Will Serve Letter for the above-mentioned Project.

We are requesting this item be added to the agenda for the next board meeting.

Enclosed please find a check for $500 (five hundred dollars), the legal description with the assessor's parcel number, and a copy of the proposed apartment project with 111 units.

Sincerely,

Imad Aboujawdah
Representative for Developer/Owner
805-522-2622

885 Patriot Dr., Unit C
Moorpark, CA 93021

805-522-2622 P
805-426-8016 F

EXHIBIT A

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF LANCASTER, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 31, TOWNSHIP 7 NORTH, RANGE 12 WEST, ACCORDING TO THE OFFICIAL PLAT OF SAID LAND APPROVED BY THE SURVEYOR GENERAL ON JUNE 19, 1856.

EXCEPT ANY PORTION INCLUDED IN PUBLIC ROADS AS SAID ROADS EXISTED OF RECORD PRIOR TO NOVEMBER 27, 1914.

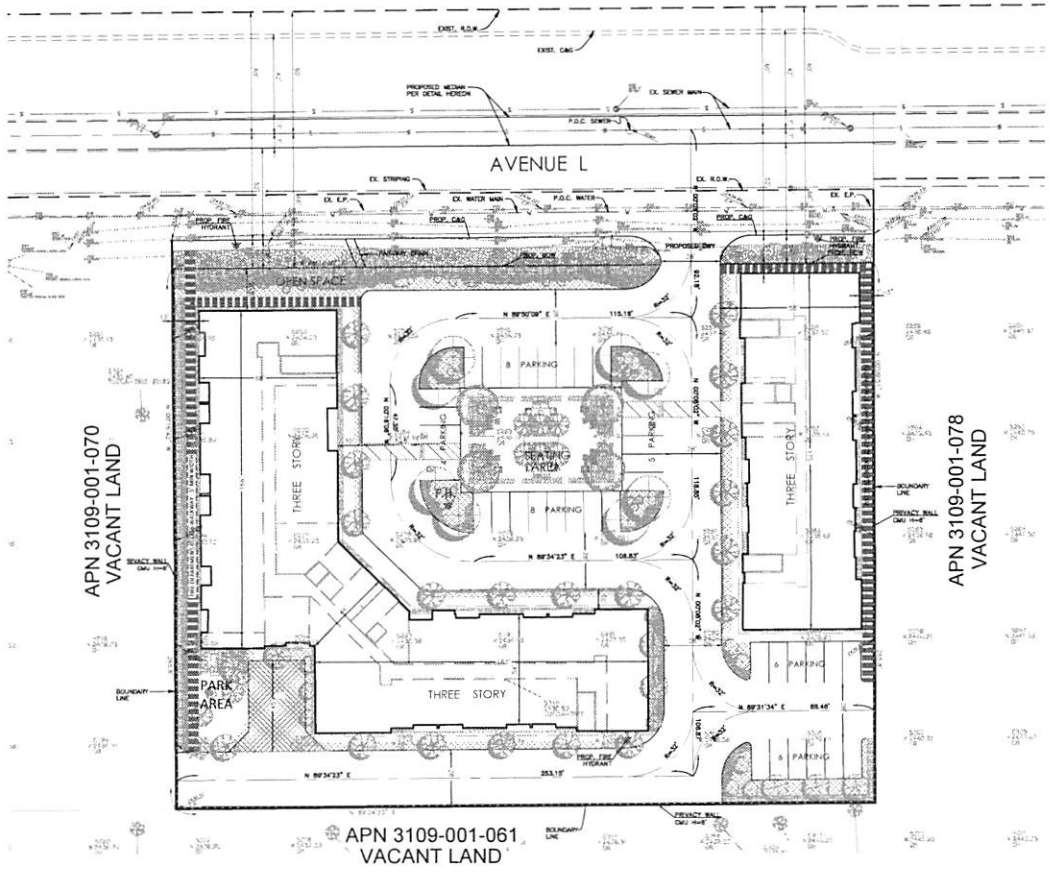
ALSO EXCEPT FIFTY PERCENT OF ALL OIL, GAS, MINERAL DEPOSITS AND OTHER HYDROCARBON SUBSTANCES OF EVERY KIND AND NATURE CONTAINED IN SAID LAND BELOW A DEPTH OF 500 FEET FROM THE SURFACE THEREOF, WITHOUT RIGHT TO ENTER UPON THE SURFACE OF WITHIN SAID 500 FEET FROM SURFACE FOR REMOVAL OF SAID DEPOSITS AS RESERVED BY PACIFIC STATES CORPORATION BY DEED RECORDED MARCH 28, 1957, IN BOOK 54052, PAGE 296 OF OFFICIAL RECORDS.

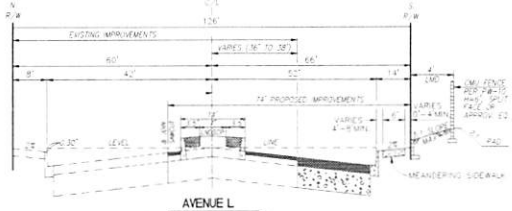
APN: **3109-001-074**

PLOTTED EASEMENTS

SITE PLAN
100% AFFORDABLE HOUSING PROJECT

IN THE CITY OF LANCASTER, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA





AVENUE L
(PUBLIC STREET - N.T.S.)

TYPICAL SECTION - PAVED DRIVEWAY
(PRIVATE DRIVEWAYS & FIRE LANES)

UTILITIES AND SERVICES:

SANITARY SEWERS: L.A. COUNTY SANITATION DISTRICT #14 – (661) 266-4683
39300 30TH STREET EAST, PALMDALE, CA 93550
LA COUNTY SEWER MAINTENANCE – (661) 942-6042
45712 N. DIVISION STREET, LANCASTER, CA 93534

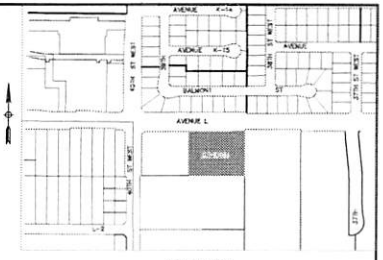
WATER: LA COUNTY WATERWORKS DISTRICT #40 – (661) 940-5457
260 EAST AVENUE K-8, LANCASTER, CA 93535
QUARTZ HILL WATER DISTRICT – (661)943-3170
P.O. BOX 3218, QUARTZ HILLS, CA 93586
CALIFORNIA WATER SERVICE – (661) 943-9001
5015 WEST AVENUE L-14, #B, QUARTZ HILLS, CA 93536

GAS: -SOUTHERN CALIFORNIA EDISON – (661) 726-5675
42060 N. 10TH STREET WEST, LANCASTER, CA 93534

TELEPHONE: -VERIZON – (661)713-3994
P.O. BOX 1826, LANCASTER, CA 93539
-SPRINT – (661) 781-7051
1350 W. LAMBERT RD#G, SUITE B, BREA, CA 92821

CABLE TELEVISION: -AT&T MOJAVE CABLE – (661) 940-5907
P.O. BOX 970, MOJAVE, CA 93502
-ADELPHIA – (661) 947-2810
41551 N. 10TH STREET WEST, PALMDALE, CA 93551

DIGALERT: -UNDERGROUND SERVICE ALERT
(800) 422-4133



VICINITY MAP
N.T.S.

GENERAL NOTES:

1. PROJECT ADDRESS: SOUTH EAST CORNER OF AVENUE "L" AND 40TH ST. WEST. LANCASTER, CALIFORNIA
2. GROSS AREA (PROPERTY TO CENTER LINE OF ABUTTING STREETS): 2.5 ACRES
3. GROSS DEVELOPMENT AREA (AREA WITHIN TRACT) 2.5 ACRES
4. EXISTING ZONING: CPD
5. PROPOSED ZONING: CPD–APARTMENTS
6. PROPOSED LAND USE: 111 APARTMENTS
7. ALL STREETS PROPOSED WITHIN THE PROJECT BOUNDARY ARE PUBLIC STREETS AND PUBLIC UTILITY EASEMENTS.
8. THE PROPOSED METHOD OF SEWAGE DISPOSAL: CONNECT TO COUNTY OF LOS ANGELES SANITARY SEWER SYSTEM, WITHIN AVENUE "L"
9. THE PROPOSED METHOD OF DRAINAGE: STREET SURFACE DRAINAGE THROUGH STREET SYSTEM AND TO AVENUE "L".
10. THE PROPOSED STREET AND LOT GRADING ARE APPROXIMATE ONLY AND SUBJECT TO ADJUSTMENTS FOR BALANCED EARTHWORK IN THE FINAL DESIGN OF THE PROJECT.
11. CUT AND FILL WILL BE AS CLOSE AS POSSIBLE TO BALANCE THE SITE.
12. TOPOGRAPHIC SURVEY BY FIELD SURVEY ON SEPTEMBER 10 2021, EXISTING CONTOUR INTERVAL: 1–FOOT.
13. THE RIGHT IS RESERVED TO ADJUST STREET AND BUILDING ELEVATIONS ON THE FINAL GRADING PLAN.
14. ALL DIMENSIONS SHOWN ARE APPROXIMATE.
15. ASSESSOR PARCEL NUMBERS: 3109–001–074

LEGEND:

- FINISH SURFACE
- 2.44% GRADING SLOPE
- PROPOSED C/L
- PROP. C&G
- EXIST. C&G
- EXISTING SEWER MAIN
- EXISTING WATER MAIN
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN
- FUTURE IMPROVEMENTS
- PROPERTY BOUNDARY
- EXISTING R.O.W
- PROPOSED R.O.W
- FIRE DEPT. TURNAROUND
- 28' MIN. FIRE DEPT. DWY
- 5' MIN. FIRE WALKWAY

BENCHMARK:

LACPW
BM: TL2222 QUAD YEAR: 2012

2IN IP W/CONC PLUG & CS TAG 4IN UP @ SW COR AVE K & 40TH ST W 49.2FT WD & 49.2FT S/O C/L INT MKR POST 1FT S/O MON

ELEVATION (FT): 2443.996

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF 40TH STREET WEST AS SHOWN ON TRACT NO. 062578-01, BOOK 1428 PAGES 87 TO 90, HELD TO BE

EARTHWORK ANALYSIS:

RAW CUT = 4,500 C.Y.
RAW FILL = 5,200 C.Y.
REMOVAL & RECOMPACTION = 20,800 cy @ 7.5% SHRINKAGE = 1,550 C.Y.
TOTAL IMPORT = 2,250 C.Y.

MAP PREPARED FOR

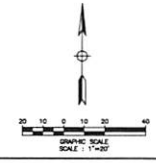
VAL INVESTMENT and DEVELOPMENT
13700 MARINA POINTE DRIVE, #1809
MARINA DEL REY, CA. 90292
805-512-2222

MAP PREPARED BY

CIVIL DESIGN AND DRAFTING, INC.
885 PATRIOT DRIVE, UNIT C
MOORPARK, CA 91302
805-522-2622

SURVEY PREPARED BY:

FIELD SURVEY BY:
COVARRUBIAS CONSULTING & RESEARCH, LLC
2362 N. GIANARO BLVD. STE. 201
GIANARO, CALIFORNIA 93035
WORK ORDER: P07-21-CIVIL DESIGN
DATE: 02/09/22



ENGINEER'S STATEMENT

THIS TENTATIVE MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

IMAD ABOUJAWDAH P.E. C51299 DATE

APPROVED BY:

DRAWING SCALE: 1"=20'

DRAWN: STAFF DESIGNED: STAFF

JOB NUMBER:

Civil Design & Drafting inc.
885 Patriot Drive, Unit C
Moorpark, California 93021
Phone 805-522-2622
email CDD@cddinc.net

CITY OF LANCASTER

SITE PLAN
APN 3109-001-074

DATE ISSUED: 09-10-2025

SHEET 1 OF 1 SHEETS

Pilot Testing Proposal

September 9, 2026

Attn: Brach Smith
Assistant General Manager
Quartz Hill Water District
5034 West Ave L
Lancaster, CA 93536

RE: PILOT TESTING PROPOSAL – QUARTZ HILL HEXAVALENT CHROMIUM RCF PILOT

Dear Brach,

ATEC Water Systems, LLC manufactures water filters in Hollister, CA, USA. The facility has been in operation since 1984 making irrigation filters and has been serving the municipal water utility market since 1996.

We have more than 400 installations in municipal drinking water applications and have performed pilot testing for a variety of treatment applications including iron and manganese, arsenic, chromium, PFAS, and many other contaminants.

ATEC is pleased to submit this proposal for pilot testing of our filtration process for Hexavalent Chromium and Arsenic at your facilities.

The following proposal outlines our pilot testing approach and scope of services.

Please contact Mr. Miller regarding scheduling or any question you may have with our proposal. We would be happy to answer any questions you may have and schedule a time to connect prior to testing.

Sincerely,

Lee Odell, PE
Chief Operating Officer
ATEC Water Systems, LLC
lodell@atecwater.com
971.285.7926

Danny Miller
Field Services Manager
ATEC Water Systems, LLC
dmiller@atecwater.com
559.270.5262

Scope of Work

This proposal outlines the steps that we propose to test the proposed ATEC system for Hexavalent Chromium and Arsenic removal for the Quartz Hill Water District. The focus of this effort would be a pilot test using a small-scale pilot trailer to determine the combination of hydraulic loading rates, and oxidant doses that would yield the best performance.

Jar Testing

Prior to pilot testing for hexavalent chromium and arsenic removal, ATEC requests that the Owner collect a 5-gallon sample of raw water prior to chemical injection for shipment to ATEC's Hollister, CA laboratory. ATEC will conduct jar testing to determine the appropriate ferrous iron dose for hexavalent chromium reduction and coagulation. During the same test, ATEC will also examine arsenic removal through oxidation and coagulation using ferric iron after chlorine injection. The injected ferrous iron first reduced hexavalent chromium to trivalent chromium, then the ferrous iron is oxidized to ferric iron using a chlorine residual of ~0.5 mg/L. The ferric iron flocs are effective in co-precipitating the arsenic and trivalent chromium from the raw water producing a finished water that reliably meets the MCLs.

ATEC will ship a 5-gallon collection container to the Owner's supplied address. The Owner will be responsible for collecting the raw water sample and shipping back to the following address:

ATEC Water Systems
1690 Lana Way
Suite A
Hollister, CA 95023

Pilot Test

The ATEC Pilot testing will be conducted using a back-washable system using 42-inches of Pyrolox Advantage filter media and 24-inches of Ceraclear ceramic filter media with 6-inches of Ceracap with varying hydraulic loading rates and chemical dosing for the selected/preferred chemicals. One filter run will be conducted with each media type in separate pilot columns.

The ATEC scope of work for the pilot test portion of this project is:

1) Set up the pilot plant:
   a) Provide necessary fittings and connections to connect the blended water source identified as most representative by the Owner to the pilot plant. The system normally runs with a ¾" standard garden hose connection. The pilot test requires a flow of approximately 10 gpm.

   b) For the pilot test, the wells should be operated in a manner consistent with its operation at full scale. If it is not, the changes in operation could affect the performance. For example, if the tank is normally pumped into a tank before treatment, but the pilot test water comes directly from the wellhead, then changes in pH or gas levels in the water could affect the treatment process.

   c) Pilot testing will normally be completed during an 8-hour period for 5-10 days depending on performance, backwash frequency and chemical feed requirements. The pilot plant operation can be modified if the well can only operate during certain periods of time.

   d) Pilot testing will focus on determining the optimal iron dose, contact time and filter loading rate for hexavalent chromium, arsenic and iron removal from the raw water using both

Commented [SW2]: The wells

Pyrolusite and Ceramic media. This testing will take place over the course of approximately 2 weeks.

e) The solids/backwash testing potion will focus on quantifying the volume of sludge produced from the treatment system, the settling rate of that sludge and the chemical characteristics of the sludge. The pilot plant will be operated under the optimal conditions determined from pilot testing for both the pyrolusite and ceramic media. The filters will be operated for a period of approximately 24 hours continuously or until iron breakthrough to a level of 0.15 mg/L is observed. After this, the filters will be backwashed and 1L of backwash water will be extracted from the backwash tank and placed into an Imhoff settling cone. The rate of settling and volume of sludge will be tracked for at least 2 hours or until the settled sludge volume has stabilized. Photographs will be taken of the settling periodically and shared in the pilot report. After solids have settled, the sludge will be extracted from the bottom of the backwash tank and oven dried to remove all water. If enough solids are generated (at least 50 grams of dried sludge) a solids sample will be sent for chromium and arsenic analysis using California Waste Extraction Test (WET) and Total Threshold Limit Concentration (TTLC).

Commented [SW3]: Discussed with QHWD. We'd still like to include, but this will be used a backup/ "nice to have" data in the event that the District pursues another means of backwash disposal/recovery in the future and/or if regulations were to change.

f) Pilot effluent water disposal will be diverted on-site to a location determined suitable by the Owner. The pilot effluent will include treated water with a free chlorine residual of ~0.50 mg/L.

g) Backwash water will be pumped into a 100-gallon tank for sampling. After sampling, the tank will be drained to a location on-site determined suitable for disposal or transported for off-site disposal at the Owner's responsibility. The backwash water will include all chromium, arsenic and iron that has been removed from the raw water by the pilot plant. The Owner will be responsible for all discharge permits.

2) Measure the following parameters on the source and product water as indicated in the below during pilot plant operation:
   i) Iron, hourly via field tests.
   ii) Manganese, as needed via field tests.
   iii) pH, hourly via field tests.
   iv) Temperature, hourly via field tests.
   v) Free residual chlorine in the product water, hourly via field tests.
   vi) Arsenic, hourly via lab tests.
   vii) Hexavalent chromium, once daily in raw water and hourly in product water via lab tests.
   viii) Total chromium, once daily in raw water and bi-hourly in product water via lab tests.
   ix) Hydrogen Sulfide, as needed.
   x) Ammonia, as needed.
   xi) Other parameters as mutually agreed prior to commencing the assignment.

Commented [SW4]: Likely not needed. QHWD to confirm.

   b) Collect samples for laboratory analysis and verification.

   c) Measure the following parameters:
      i) Flow rate.
      ii) Influent and effluent pressure.
      iii) Chlorine dosage, or other chemicals if used

   d) Measure the following parameters in mixed backwash water, sludge, and recycle water
      i) Iron
      ii) Total Chromium
      iii) Hexavalent Chromium
      iv) Total Arsenic (As(III) and As(V))
      v) Total Suspended Solids (TSS)

vi) Whole Effluent Toxicity for Arsenic and Chromium in Sludge

3) Remove the pilot plant.

Description of Pilot Plant

The physical characteristics of ATEC's pilot plant are described in the Attachment. Photographs of the pilot plant are also included. The pilot system includes multiple sets of four 4" - 6" filter columns filled with the pre-selected media for testing of the identified contaminants. Each set of filter columns has a common inlet, outlet and backwash header connection.

Chemical feed systems are also provided with chemical injection points located before the filters. Chemical feed maybe required for oxidation, pH adjustment, reduction, or polymer addition.

The pilot system will include a contact ahead of the filters to provide about 2 minute of retention time to aid in the reduction of hexavalent chromium (CrVI) to trivalent chromium (CrIII) using ferrous chloride or ferrous sulfate which can then be oxidized and precepted for removal by the media filters.

Pilot Testing Report

A Pilot Testing Report (Report) will be prepared for the Owner's review and approval that includes the testing conditions, the testing results and design recommendations for the full-scale facility. The Report will include the following sections:

- Executive Summary
- Introduction
- Pilot Testing
- Basis of Design
- Equipment Cost
- Appendix

Staffing

The pilot testing will be conducted by a member of ATEC Systems' engineering or operations staff. The pilot testing work will be conducted under the supervision of ATECs Design Manager Aaron Gress and Senior Operator Danny Miller. The pilot test report will be prepared by a licensed engineer and reviewed by Lee H. Odell, P.E., a nationally recognized authority on water treatment.

Budget

The cost of the pilot testing with Pyrolusite media and Ceramic media by ATEC is $17,000. This fee includes one draft and one final electronic (.pdf) deliverable of the Pilot Testing Report which will present the pilot test data in tabular and graphical forms and provide a brief description of the recommended system and the basis for its selection. All lab testing will be at Client's expense. ATEC will contract with an independently accredited laboratory and collect all necessary lab samples and maintain chains of custody. Lab samples will be charged at cost during pilot invoicing.

Commented [SW5]: Revise accordingly to test both ceramic and Pyrolox Advantage media, as indicated above.

If it is necessary to extend the pilot testing beyond five days, we will charge a flat rate of $1,100 per day. Our normal terms of payment are Net 30 Days from date of invoice. Progress billings will be submitted as work progresses.

A summary of the proposed pilot testing costs as described in the table below.

Quartz Hill Hexavalent Chromium and Arsenic Pilot Testing Cost

Item	Description	Cost
1	Jar Testing Fee	$2,000
2	Pyrolusite Media Testing (5 days)	$10,000
3	Ceramic Media Testing (5 days)	$7,000
4*	Laboratory Costs (Charged at cost, not to exceed amount shown)	$7,750
5**	Extended Testing Cost – If Needed	$1,100/Day
	Total =	**$26,750**

Notes:
1-Costs include all costs inclusive of equipment, staffing the pilot unit, furnishing chemicals and reagents necessary for completion of the study
2-Any necessary permits for finished water and backwash water disposal are the responsibility of the client.
* ATEC will contract with an independent accredited laboratory and will pay for testing of grab samples directly. Laboratory pricing costs vary based on analysis. The cost of lab sampling will be charged at cost and billed to the Owner during the time of pilot invoicing.
** If it is necessary to extend the pilot testing beyond 10 days, we will charge a flat rate of $1,100 per day

Proposed Schedule

The pilot test will be scheduled following approval of the signed pilot testing proposal. The pilot will be scheduled for a mutually agreeable time based on ATECs availability and backlog of contracted pilot tests. Schedules are subject to change based on equipment availability, operator availability, and completion of owner required site preparations.

Completion of the pilot test portion of the work, including the brief memo report, will require approximately three weeks after receipt of the final lab test results.

Owner Responsibilities

Owner responsibilities include:

1. Providing Power, 115 VAC for chemical feed equipment and lighting.
2. Providing Source water, minimum 10 gpm @ 30 psig
3. Disposal of water and backwash effluent (Any necessary permits are the responsibility of the client)

If available, owner shall also provide historical data and/or site background information including:

1. Comprehensive Water System Plan (relevant sections)
2. Inorganic test results (most recent)

A pre-pilot coordination meeting will be scheduled to collect available data (**Table 1**) and review testing objectives (**Table 2**) for the project prior to ATEC arriving on-site. Please provide as much information as possible in **Table 1** and **Table 2** when returning this proposal.

Acceptance

Signing in the space provided below will indicate acceptance of this letter proposal. Alternatively, this proposal and scope of work may be incorporated in a purchase order or other document indicating acceptance. Please return one executed copy of this letter proposal or other documentation of acceptance to ATEC Systems LLC. at the address shown on the letterhead.

We appreciate your interest and look forward to the opportunity to work with you and your organization on this project.

Billing

Electronic Invoicing is preferred. Please provide any specific billing instructions. Invoices shall be emailed to:

PO/or Project No. _____

Email Invoices To:

Contact: _____

Phone: _____

Email: _____

Billing Address: _____

_____

_____

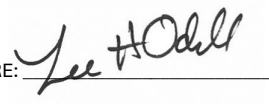
ATEC Water Systems, LLC	**Client**
SIGNATURE: 	SIGNATURE: _____
BY: Lee H. Odell	BY: _____
TITLE: COO	TITLE: _____
DATE: _____	DATE: _____

Table 1 - Pilot Planning Check List

Ver 1.0

CONTACT INFO

Client Legal Name	
Project	
Rep Name (if applicable)	
Rep Contact (if applicable)	
Operator/Field Service Contact Name	
Operator/Field Service Contact (Phone)	
Operator/Field Service Contact (Email)	

SITE INFO

Site Coordinates	
Site Address	
Well/Source ID, #	
Well/Source Name	
Well Capacity, gpm	
Average Run Time, hr/day	
Pressure Range, psi	
Temperature Range, C	
Available Power Supply (120V,230V, etc)	
Connection (3/4" Hose Bib Preferred)	

EXISTING EQUIPMENT (if applicable)

Well Type	
Well Pump, Hp	
Well Depth, ft	
Screen Depth, ft	
Approx. Site Dimensions, L'xW'	
Approx Bldg Dimensions, L'xW'	
Chemical Feed #1	
Avg Dose, mg/L	
Chemical Feed #2	
Avg Dose, mg/L	
Chemical Feed #3	
Avg Dose, mg/L	
Other Onsite Equipment	
Other Onsite Equipment	
Other Onsite Equipment	
Other Onsite Equipment	

Historical Water Quality (if Available)

General Chemistry	
pH	
Alkalinty	
Conductivity	
Hardness	
TOC	
DOC	
CO2	
H2S	
Major Cations	
Calcium (Ca2+)	
Magnesium (Mg2+)	
Sodium (Na+)	
Potassium (K)	
Ammonia (NH4)	
Barium (Ba)	
Stontium (Sr)	
Iron (Fe)	
Major Anions	
Alkalinity (HCO3)	
Chloride (Cl-)	
Sulfate (SO42-)	
Nitrate (NO3)	
Flouride (F)	
Phosphate (PO43-)	
Other	
Manganese (Mn)	
Silica (Si, SiO2)	
Arsenic, Total (As)	
Arsenic Speciation (As3, As5)	
Chromium, Total	
Chromium Speciation (Cr3, Cr6)	
Radon (Rn)	
Uranium (U)	
Other	
Other	

Table 2 - ATEC Pilot Testing Objectives

Project _____

Objective	Check If included	Notes
Chlorine Demand		
Chemical Dose for Treatment - Chlorine		
Chemical Dose for Treatment - Permanganate		
Chemical Dose for Treatment – Ferric		
Chemical Dose for Treatment – Ferrous		
Chemical Dose for Treatment – Polymer		
Chemical Dose for Treatment – pH Adjustment		
Chemical Dose for Treatment – Other (Specify In Notes)		
Chemical Dose for Treatment – Other (Specify In Notes)		
Removal Effectiveness – Iron and Manganese		
Removal Effectiveness – Arsenic		
Removal Effectiveness – Hexavalent Chromium		
Removal Effectiveness – PFAS		
Removal Effectiveness – Perchlorate		
Removal Effectiveness – PCE or TCEP		
Contact Time - Oxidation		
Contact Time – Reduction		
Optimal Filter loading Rate, gpm/sq ft		
Specific Filter loading Rate, gpm/sq ft		
Media type - Advantage		
Media Type – Pyrolox		
Media Type – Sand & Anthracite		
Media Type – IX Resin		
Media Type – Adsorptive Media other than GAC		
Media Type – GAC		
Media Type – FluoroSorb		
Media Type – Other (Specify In Notes)		
Identify Filter UFRV to Breakthrough, Gal/sq ft		
Identify Headloss During Filter Run		
Backwash Water Quality – TSS		
Backwash Water Quality – pH		
Backwash Water Quality – Removal Contaminants		
Backwash Water Quality – Other (Specify in Notes)		
Backwash Settling Time		
Other Objectives		

ATTACHMENT - ATEC Pilot System

Physical Characteristics of Pilot Filter Set and Media
ATEC Iron and Manganese Removal System

Pilot Filters[1]	
Sidewall Height (inches)	48 to 60
Overall Height (inches)	62 to 74
Diameter (inches)	6
Filter Surface Area (each) ($ft.^2$)	0.1964
Total Filter Surface Area (ft^2)	0.7854
Underdrain	Stainless Steel Wedgewire, 0.01" slots
Media Support	¾" minus crushed granite, 4"
Source Water Connections	¾" Standard Hose
Recommended Minimum/Maximum Working Pressure	20/90 psi
Filter Media[2]	
Depth in Filters (inches)	36 to 48
Volume in Filters (ft^3)	2.36 to 3.15
Approximate Weight in Filters (lbs.)	285
Weight (lbs./ft^3)	120.5
Physical Size (mm)	0.32 –to-0.85
Maximum Removal Capacity	
Iron Removal (mg/L)	10
Manganese Removal (mg/L)	10
Hydrogen Sulfide Removal (mg/L)	5
Non-Adsorptive Removal (microns)	>20

Chemical Dosing Equipment[3]

Stenner Peristaltic Solution Metering Pumps (up to 17.0 gpd @ 100 psi)
LMI Solution Metering Pumps (various capacities)

Other Equipment

Chlorine Analyzer, Hach CL 17
Flow Meters, Sea Metrics, Inc., FT-420
Data Logger, Endress + Hauser, Mini-Logger
Automatic Samplers, ISCO, Inc.

1/ The pilot filter trailer consists of four, 6" filter columns connected by common manifolds for influent, effluent and backwash water. Each filter is controlled by a three-way ball valve. The system is set up to closely mimic a full-scale filter system in terms of media depth, application rates in terms of both area (gpm/ft^2 of filter area) and volume (gpm/ft^3 of media), and backwash characteristics to the extent possible. Source water is metered using a totalizing flow meter. Pressure is measured on the influent and effluent manifold to determine headloss. Chemical injection points are located as close to the filter as possible to simulate actual operation. In cases where extended contact time is desired before the source water enters the filters, a pipe section of pre-determined volume is placed between the chemical injection points and the filters to provide accurate contact time measurement. Sidewall height is variable to a maximum of 60" without modification, allowing a maximum media bed depth of 48".

2/ AS-721M and AS-741M Filter Media, 0.85 to 2.36mm and 0.42mm to 0.85mm, respectively, are both granular manganese dioxide media, derived from naturally occurring pyrolusite, and are certified to ANSI/NSF Standard 61.

3/ Solution metering pumps are available for the injection of up to three chemicals, if needed. Normally, the only chemical injected is chlorine. And in the case of arsenic, ferric chloride. There are, however, provisions for special circumstances, such as pH adjustment for corrosion control or the treatment of water at fish hatcheries that do not permit chlorine.

Table 2

Analytical Equipment

The following analytical equipment is normally carried on our pilot trailers.

Spectrophotometer, Model DR/2800, Hach Co., Loveland, CO
Digital Titrator, Hach Co., Loveland, CO
pH Meter, Model 266, Orion Co., Boston, MA
Stir Plate, Hach Co., Loveland, CO
0.21-Micron Filter, Nalgene

Glassware—beakers, flasks, columns, sample cells, 10 and 25 ml

Although not normally carried in each trailer, a turbidity meter is available.

Reagents for the following field tests:

Spectrophotometer

Free Chlorine, DPD, Method 8021 and 10059 (300 tests)
Total Chlorine, DPD, Method 8167 or 10060 (300 tests)

Iron, FerroZine Method, Method 8147 (500 tests)
Iron, Total, FerroVer Method, Method 8008 (300 tests)

Manganese, Low Range, PAN Method, Method 8149 (500 tests)

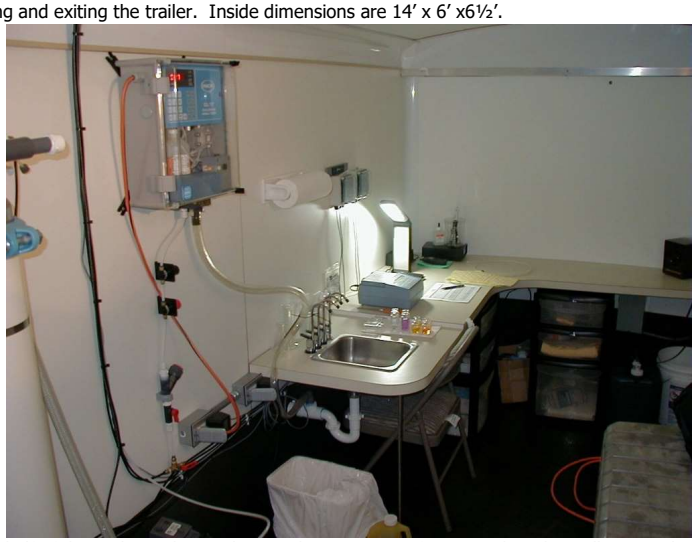
Digital Titrator

Alkalinity, Phenolphthalein and Total Method, Method 8203 (100 tests)
Hardness, Phenolphthalein and Total Method, Method 8203 (100 tests)
Total Chlorine, Iodometric Method, Method 8209 (100 tests)

Field tests not listed above may be available. Please note that we send all tests for arsenic, chromium, and other contaminants that require digestion or distillation to a commercial laboratory.

Figure(s)
ATEC Iron and Manganese Removal Pilot Plant

The exterior of ATEC Systems' pilot trailer is shown above. The source and product water connections are shown entering and exiting the trailer. Inside dimensions are 14′ x 6′ x6½′.



The front one-half of the trailer is shown above. The instrument foreground on the wall is an in-line chlorine analyzer. The smaller boxes on the wall above the light are electronic flow meters used to monitor cumulative as well as instantaneous flow for each treatment train in the pilot plant.

Picture above shows the interior of the pilot plant trailer from the rear. The sample outlets and the analytical equipment are on the desk in the front of the trailer.

Bakersfield Well & Pump Co.
7212 Fruitvale Avenue
Bakersfield, CA 93308

To: Quatrz Hill Water District

Quote
9/3/2026

Brent Byrne

661-810-2221

Well Quote

Job Description: Drill 16" x 600'

Item #	Bid Item Description	Qty	Units	Unit Bid Price	Qty This Period	Test Hole With Zone Testing	Qty to Date	Completed Well with SS WWS	Qty to Date	Completed Well with SS Louvered FF
1	Mobilization, Demobilization, and Clean-Up	1	LS	$ 59,000.00	1	$ 59,000.00	1	$ 59,000.00	1	$ 59,000.00
2	Sound Walls Two Sides	1	LS	$ 45,000.00	1	$ 45,000.00	1	$ 45,000.00	1	$ 45,000.00
3	Conductor Casing - Drill 50' deep 42" dia. hole, furnish and install 50' of 33" I.D. x 3/8" wall conductor pipe, grout in place	50	LF	$ 700.00	50	$ 35,000.00	50	$ 35,000.00	50	$ 35,000.00
4	Drill 18" dia. pilot hole to 1,000' - not including conductor hole	570	LF	$ 125.00	570	$ 71,250.00	570	$ 71,250.00	570	$ 71,250.00
5	Formation sampling by placing sampling tool, air-lifting, and pumping	4	Ea	$ 25,000.00	4	$ 100,000.00	4	$ 100,000.00	4	$ 100,000.00
6	Ream pilot hole to 28" dia. to 400' - not including conductor hole	320	LF	$ 100.00		$ -	320	$ 32,000.00	320	$ 32,000.00
7	Ream pilot hole to 26" dia. from 400' to 700'	300	LF	$ 100.00		$ -	300	$ 30,000.00	300	$ 30,000.00
8	Furnish and install 16" O.D. x 5/16" wall, ASTM A242 HSLA blank casing	302	LF	$ 220.00		$ -	302	$ 66,440.00	302	$ 66,440.00
9	Furnish and install 16" O.D. x 5/16" SS blank casing	40	LF	$ 472.00		$ -	40	$ 18,880.00	40	$ 18,880.00
10	Furnish and install 16" O.D. SS Wire Wound	260	LF	$ 310.00		$ -	260	$ 80,600.00	0	$ -
11	Furnish and install 16" O.D. SS Louvered Fulflo	0	LF	$ 550.00		$ -	0	$ -	260	$ 143,000.00
12	Furnish and install a 16" Dielectric	1	LS	$ 14,589.00		$ -	1	$ 14,589.00	1	$ 14,589.00
13	Furnish and install 3" dia. gravel feed tube	282	LF	$ 54.88		$ -	282	$ 15,476.16	282	$ 15,476.16
14	Furnish and install gravel envelope	350	LF	$ 95.00		$ -	350	$ 33,250.00	350	$ 33,250.00
15	Furnish and install cement grout for annular seal, including 10' of fine sand or bentonite	270	LF	$ 110.00		$ -	270	$ 29,700.00	270	$ 29,700.00
16	Conduct preliminary well development by swabbing and air-lifting	48	Hrs	$ 450.00		$ -	48	$ 21,600.00	48	$ 21,600.00
17	Conduct well development by pumping and surging	48	Hrs	$ 350.00		$ -	48	$ 16,800.00	48	$ 16,800.00
18	Conduct well production test pumping	24	Hrs	$ 350.00		$ -	24	$ 8,400.00	24	$ 8,400.00
19	Well Video	1	LS	$ 2,000.00		$ -	1	$ 2,000.00	1	$ 2,000.00
20	Abandon Pilot Hole		LS	$ 9,500.00	1	$ 9,500.00		$ -		$ -
	TOTALS					**$ 319,750.00**		**$ 679,985.16**		**$ 742,385.16**

Prepared By: _____ Date

Signed By: John C. Zimmerer 9-3-2026 Date

Approved By: _____ Date

P.O. Box 1230
Bakersfield, CA 93302
661-873-4262 PHONE

June 25th, 2026

Brach Smith
Assistant General Manager
Quartz Hill Water District
(Submitted Electronically – bsmith@qhwd.org)

Re: Subject: Quartz Hill Water District – Site 32 Treatment Facility Design

Dear Mr. Smith,

Ardurra (formerly MKN & Associates) is pleased to provide this proposal to the Quartz Hill Water District (District or QHWD) for engineering services related to the design of an arsenic- and hexavalent chromium treatment system, two (2) 0.25 million gallon (MG) welded reservoirs/storage tanks, a booster pump station with variable frequency drives, ferrous chloride- and on-site generated hypochlorite chemical storage and feed systems, a pre-engineered metal building with an interior 4' tall concrete masonry wall, site civil improvements to the existing Site 32 property, and electrical- and instrumentation/controls infrastructure to accommodate the new Site 32 Treatment Facility, as outlined in the recently-submitted 2025 Water Master Plan (WMP) and refined through recent discussions and site visits with District staff on May 21st, 2026.

Project Background

The District operates, maintains, and manages the water supply and distribution system for the benefit of approximately 20,000 District customers. The District's water supplies consist of both groundwater (extracted through 10 active wells) and surface water from the Antelope Valley-East Kern Water Agency (AVEK).

Chromium VI is a naturally occurring heavy metal that has been linked to cancer and reproductive harm when present at elevated levels. Monitoring between 2020 and 2025 shows that while Wells 6A and 7A remain below California's maximum contaminant level (MCL) of 10 µg/L, Well 8 consistently exceeds this threshold. Future wells would be expected to produce water with similar concentrations. The Division of Drinking Water (DDW) has developed regulatory requirements and timelines that are tied to the District's size. Compliance must be achieved by the dates outlined in the District's Corrective Action Plan, which was submitted to the DDW and approved based on blending). Considering that the current

blending results are close to 80% of the MCL of 10 µg/L and the opportunity exists to completely eliminate use of the existing iron-oxide media treatment system at Well 6A by transitioning to a treatment system that would reduce both blended arsenic and hexavalent chromium concentrations at a centralized treatment facility (Site 32), proactive treatment implementation is recommended to ensure regulatory compliance and public health protection.

The recently-submitted 2025 WMP evaluated three primary treatment technologies for removing chromium VI: reverse osmosis (RO), ion exchange (IX), and reduction-coagulation filtration (RCF). Two of the technologies (RO and IX) were eliminated from further consideration (refer to the 2025 WMP for further detail). RCF was identified as the most feasible option due to its relative cost-effectiveness, established use in California, and ability to convert toxic chromium VI into a non-toxic, insoluble form that can be filtered out efficiently.

To implement this solution, the plan proposes constructing a centralized treatment facility that would process water from three existing wells (6A, 7A, and 8) and a future well (18). The treatment facility would implement a ferrous chloride injection, followed by contact vessels to reduce hexavalent chromium to trivalent chromium, and enhance filterability by oxidizing ferrous particulate matter with on-site generated sodium hypochlorite ahead of manganese dioxide media to remove oxidized particulate matter carrying trivalent chromium and arsenic (oxidized at the point of the new hypochlorite injection from arsenite to arsenate). The treated water would then be stored in two (2), 0.25-million-gallon welded steel storage tanks and pumped back into the distribution system through a booster pump station (1+1 configuration with duty/standby) with variable frequency drives at a design flow of approximately 1,800 gpm. This centralized approach ensures consistent compliance with water quality standards while improving operational efficiency and long-term reliability of the District's water supply system. Based on conversations with District staff, Ardurra has provided a Conceptual Layout of the Site 32 Treatment Facility as Exhibit E to aid further discussions in refining the facility design with the District during the project kickoff meeting.

Scope of Work

Task Group 1 – Project Management

Task 1.1 Project Management and QA/QC

Overall project management, which includes supervision of in-house staff, management of subconsultants, planning and monitoring of contract budget and schedule, and coordination with the QHWD project team will be conducted by the Ardurra Project Manager. The Project Manager will review the status of budget, schedule, and relevant project issues with the QHWD Project Manager on a bi-weekly basis via email or telephone. The design phase is assumed to be twelve (12) months. Ardurra will provide senior technical review and implement our quality assurance and quality control (QA/QC) measures throughout the project.

Task 1.2 Meetings

Ardurra has included seventeen (17) meetings as part of this scope of services. The following meetings are included:

1. Kick Off Meeting (PM, PE, Technical Advisor)
2. Design Workshop (30%) - Design workshop for establishing initial, detailed project preferences with key QHWD staff.
3. Draft Basis of Design Report and 30% Planset Review Meeting (PM, PE, Technical Advisor)
4. Final Basis of Design Report and 30% Planset and Detailed Design Phase Kickoff Meeting (PM, PE, Technical Advisor)
5. Ninety Percent (90%) Design Review Meeting (PM, PE, Electrical PE, Instrumentation PE, Technical Advisor)
6. Monthly Progress Meetings During Entire Duration of Design – 12 Months (Anticipated) – Total of Twelve (12) Meetings

Deliverables: Meeting Agendas/Meeting Minutes (seventeen [17] total) (Adobe .PDF Files)

Task Group 2 – Data Review

Task 2.1 Data Request

It is anticipated that most of the information needed for the project was previously provided to Ardurra during development of the QHWD Water Master Plan. However, if any additional information is needed, Ardurra may prepare and submit a data request form for QHWD including, but not limited to, the following items:

- Additional source water quality reports from existing well(s) requiring treatment

- As-Builts Drawings for existing well(s) requiring treatment and planned treatment/storage site
- As-Built Drawings for nearby distribution system and raw water supply infrastructure that will connect to- and from planned treatment/storage site
- As-Built Drawings for nearby sewer- and/or storm drainage system that will connect to- backwash discharge and drainage/waste-producing equipment at the planned treatment/storage site
- Nearby electrical service capacity information/drawings/records
- Water Supply Permit(s) for well(s) requiring treatment
- Historical Geotechnical information for planned treatment/storage site (if exists)

Deliverables: Data Request (Adobe .PDF Files)

Task 2.2 Geotechnical Investigation

A geotechnical investigation to obtain foundation design criteria for the treatment equipment, pumping equipment, and tanks will be performed by Ardurra's subconsultant, SEI. A geotechnical analysis will be performed to establish structural design parameters, property, and design constraints for treatment, storage, pumping, and conveyance systems. The Geotechnical Engineering Investigation Report will include the geotechnical engineer's findings, analysis, conclusions, and recommendations.

The Geotechnical Investigation will also provide soils percolation testing in the location of the planned stormwater retention and infiltration basin to verify that adequate percolation will be achieved for filter-to-waste and stormwater flows directed to the basin. Ardurra will provide all necessary draft and final geotechnical data and reports to QHWD and the environmental consultant for coordination and review.

Deliverables: Geotechnical Report (electronic AutoCAD .DWG and electronic Adobe .PDF files)

Task 2.3 Topographic and Boundary Survey

Ardurra's surveying subconsultant, KSI, will provide a topographic and boundary survey for the treatment and storage facility. Ardurra will coordinate delivery of the topographic and boundary surveys from KSI. The purpose of the survey will be to provide a base map (to scale) for the design of the treatment, storage, and boosting facilities. All survey coordinates shall be on NAD83 California Zone 4 state plane coordinate system. All survey elevations shall be based on the National Geodetic Vertical Datum of 1929 (NGVD29) using established QHWD benchmarks near the respective site. Location of underground utilities between surface features (e.g., manholes) will rely on available record drawings from QHWD and other utility providers in the area.

Deliverables: Topographic Surveys (electronic AutoCAD .DWG and electronic Adobe .PDF files)

Task Group 3 – Preliminary Design

Task 3.1 Basis of Design Report and 30% Planset

The report will state the design criteria and project constraints; present preliminary facility sizing and layout information; and include budgetary capital, operations, and maintenance cost opinions for treatment and storage facility. The report will present the following information:

- Presentation of water quality history of the wells supplying the new hexavalent chromium and arsenic treatment facility, including any additional water quality testing recommended by Ardurra and conducted during the preparation of the report.
- Evaluation of existing treatment, pumping, and conveyance systems and proposed options for modifications to the system(s) that will improve the overall effectiveness and efficiency of the treatment facility.
- Establishment of water quality treatment and operational objectives as well as design criteria for the new treatment, storage, pumping, conveyance systems.
- Description of miscellaneous piping, valving, metering, and drainage control structures.
- Establishment of necessary clearances for operational and maintenance activities (i.e., media and equipment replacements, backwashing operations, compliance sampling events, etc.).
- Establishment of structural design descriptions and parameters for the pre-engineered metal building design, and equipment- and building foundations. If determined to be necessary, any relevant discussion regarding architectural code compliance within the pre-engineering metal building will be documented.
- Description of electrical requirements including site lighting and security and a process schematic including alarms and telemetry system for remote operation and data logging.
- General description of walkways, driveways, surfacing, landscaping, walls, and miscellaneous site improvements.
- Identification of site constraints and recommended mitigation measures (including associated costs).
- Identification of building setbacks required by the City of Lancaster and evaluation of integrated aesthetics with the surrounding environment for minimized public visibility.
- Identification of overhead and underground utilities and restrictions (i.e., power, communication, water, and sewer utilities).
- Evaluation of potential impacts to the QHWD distribution system and operations (i.e., distribution system pressures, surge analysis, conveyance capacity, etc.)
- Description of other site improvements to be included in the design
- Evaluation of site security, lighting for low-visibility conditions, and operator safety.

- Layout of the recommended treatment, storage, pumping, and conveyance systems on the project site.
- Development of an engineer's estimate of probable construction, operations, and maintenance costs.
- Definition of design and construction schedule, lead times for equipment, and phasing options.
- Evaluation of stakeholder permitting requirements.

Ardurra will submit the draft report and 30% planset for QHWD review and comment. Concurrently, Ardurra will provide all necessary data, reports, and planset to the environmental consultant for coordination and review. Ardurra's project team will attend a draft report and 30% planset review meeting with QHWD to address comments and discuss the next steps in the project.

The following design plans are anticipated to be included in the 30% design deliverable:

- General (11 Sheets)
- Civil (4 Sheets)
- Process-Mechanical (11 Sheets)
- Electrical (7 Sheets)
- Instrumentation (12 Sheets)

Ardurra will incorporate comments received from QHWD into the Final Basis of Design Report and 30 Percent Design Planset and submit the final report and planset to QHWD.

Deliverables:

- Draft Basis of Design Report and 30 Percent Design Planset (Adobe .PDF files)
- Final Basis of Design Report and 30 Percent Design Planset (Adobe .PDF files)

Task Group 4 – Detailed Design

Task 4.1 90% Plans, Specifications, and Cost Estimate

Ardurra will incorporate the draft and final Engineering Report deliverable review comments from QHWD and prepare 90% construction plans; specifications components including bid proposal items and quantities, explanation of bid items, and technical specifications; and an engineer's cost opinion for construction of the treatment, storage, and boosting facilities. Technical specifications will be developed in 2014 CSI format and plans will be prepared in AutoCAD. QHWD will review the contents of each submittal and provide comments for incorporation into subsequent submittals. The following design plans are anticipated to be included in the 90% design deliverable:

- General (11 Sheets)
- Civil (14 Sheets)

- Process-Mechanical (20 Sheets)
- Structural (13 Sheets)
- Architectural (9 Sheets)
- Electrical (15 Sheets)
- Instrumentation (16 Sheets)

Deliverables:

- 90% Plans (electronic Adobe .PDF files, 22" x 34")
- 90% Technical Specifications (electronic Adobe .PDF files)
- Engineer's opinion of probable construction cost (electronic Adobe .PDF file)
- Bid proposal items and quantities, explanation of bid items (electronic MS Word .DOC files)

Task 4.2 Final Plans, Specifications, and Cost Estimate

Ardurra will incorporate 90% deliverable review comments from QHWD and comments from the final detailed design workshop to prepare final construction plans; specifications components including bid proposal items and quantities, explanation of bid items, and technical specifications; and an engineer's cost opinion for construction of the treatment, storage, and boosting facilities. Ardurra will assemble the bid specifications by incorporating the bid proposal items and quantities, explanation of bid items, and technical specifications. The following design plans are anticipated to be included in the final design deliverable:

- General (11 Sheets)
- Civil (14 Sheets)
- Process-Mechanical (20 Sheets)
- Structural (13 Sheets)
- Architectural (9 Sheets)
- Electrical (15 Sheets)
- Instrumentation (16 Sheets)

Deliverables:

- Final Plans (electronic Adobe .PDF files, 22" x 34")
- Final Technical Specifications (electronic Adobe .PDF files)
- Engineer's opinion of probable construction cost (electronic Adobe .PDF file)
- Bid proposal items and quantities, explanation of bid items (electronic MS Word .DOC files)

Task Group 5 – Bid Support Services

Task 5.1 Bid Support Services

Ardurra's project manager will attend the bidders' conferences for the Project, prepare notes, log questions from bidders, and prepare up to maximum of three (3) addendum, if necessary. Ardurra will also assist QHWD in tabulating and comparing the bids, and evaluating bidder qualifications, based on financial and reference checks. It is assumed that QHWD will advertise for bids, reproduce and distribute contract documents to prospective bidders, maintain a list of bidders, and host the bidders' conference. Ardurra will prepare and provide conformed plans and specifications incorporating any changes resulting from the bid period.

Deliverables:

- Addenda, RFI responses, and clarifications as needed
- Conformed plans (electronic Adobe .PDF files, 22" x 34")
- Conformed specifications (electronic Adobe .PDF files)
- Bid Evaluation Checklist (electronic Adobe .PDF files)

Task Group 6 – Construction Phase Support – Future (Not Included)

Construction Phase Support including Engineering Services During Construction (ESCD) and Construction Management (CM) should be defined after design development.

Task 6.1 Issued for Construction Documents

Ardurra will compile Issued for Construction Documents; one reproducible and five (5) hard copies will be provided (11" x 17").

Task 6.2 Construction Coordination Meetings

Ardurra will attend the pre-construction meeting for the Project. Ardurra will attend construction meetings with the contractor, subcontractors, utility representatives, permit agencies, and QHWD staff. Attendance at up to eighteen (18) meetings is anticipated.

Task 6.3 Contract Change Orders/Plan Revision

Analyze and make recommendations to QHWD staff regarding contract change orders and plan revisions requested during the course of the construction projects. Change orders will be evaluated from an engineering perspective. Up to ten (10) may be received.

Task 6.4 Requests for Information

Review, coordinate with QHWD staff and respond to contractor's Requests for Information (RFIs). When appropriate, suggestions and alternatives will be provided to the contractor and/or QHWD staff. A log of RFIs will be maintained. Up to fifty (50) RFIs are anticipated.

Task 6.5 Shop Drawing Review

Receive and review technical documents submitted by Contractor. Submittals will be reviewed by the Engineer for general conformance to the Contract Documents. Subsequent to Engineer's review, Engineer will return the submittal to the Contractor. Ardurra will maintain a log of shop drawings that have been submitted, and the disposition. We estimate that approximately twenty (20) shop drawing submittals will be reviewed.

Task 6.6 Record Drawings

Prepare construction record drawings (AutoCAD) based on information (redline markups) supplied by the contractor.

Task 6.7 Startup and Technical Support

Ardurra shall provide as-needed technical support, as requested by QHWD. A maximum of 40 hours have been assumed. Ardurra can be onsite with 72-hour notice.

Task 6.8 Project Management for Bid and Construction Phase Services

Ardurra's design phase project manager will interface with QHWD's project manager as required to manage the construction phase of the project. Regularly scheduled conference calls will be conducted the first week of every month.

Assumptions:

- *As-Builts to be provided by QHWD.*

Additional Services

Any services not specifically identified above, can be provided under separate authorization. Although they are not anticipated to be required, the following additional services can be provided.

- Utility potholing
- Pilot testing of different treatment technologies

Additional Project Assumptions

Based on conversations with District Staff, the following assumptions have been made for scope- and budgeting purposes:

- Environmental Planning. Environmental permits including all environmental planning and permitting efforts will be handled by the District.
- Permitting Additional Backwash Water. Backwash water is currently discharged from the treatment system at Well 6A and reported to Los Angeles County Sanitation District periodically. The District understands that substantially more backwash (greater than one million gallons per year) will be added to the nearby collection system with the new treatment system. Based on conversations with District Staff, Ardurra will provide supporting information for District staff to lead conversations with LACSD staff in permitting additional backwash volume to be discharged to the nearby collection system. It is assumed that the existing backwash discharge sump will be reused to convey backwash waste flows through the existing sewer connection.
- Filter-to-Waste Discharges. Additional filter-to-waste flows will need to be discharged to remove any re-oxidized chromium from the filtration system after shutdown periods greater than 12 – 24 hours. It is estimated that approximately 20,000 gallons of water may need to be filtered to waste if an extended shutdown were to occur. Ardurra recommends initially discharging the filter-to-waste flows (relatively clean water) into a stormwater retention basin for evaporation and percolation. Alternatively, if testing indicates that filter-to-waste volumes will not be adequately percolated, such flows can be directed to the backwash discharge sump. Ardurra will evaluate both disposal alternatives during the basis of design.
- Stormwater Compliance. It is understood that self-certification of stormwater compliance may be possible through the District. Ardurra will follow local- and state-mandated procedures for design of stormwater management infrastructure for use following completion of construction (i.e. post-construction stormwater requirements). Since more than one (1) acre of land is being disturbed during construction, Ardurra will provide sufficient instruction through the plans and specifications to the Contractor for preparation of a notice of intent to the State Water Resources Control Board to obtain a WDID number, approval of a Stormwater Pollution Prevention Plan, and arrange for a QSP to be assigned to the project during construction.
- Design Review and Permitting. It is understood that the City of Lancaster Building Department will potentially not need to provide building department reviews and permitting. Ardurra assumes that both the District and local Division of Drinking Water contact(s) will provide design review comments during the 30%-, 90%- and Final Design Phases. Ardurra will prepare a single comment-response log for each design review phase and provide revisions and responses accordingly.

Fee Estimate

Ardurra proposes completing this work on a time and materials basis with a budget not to exceed the level of effort provided in Exhibit B, with rates based on the 2026 Ardurra Rate Schedule.

Schedule

The anticipated schedule for the project is included in **Table A.**

Table A. Anticipated Project Schedule	
Deliverable	Deliverable Date (Time Period Following Notice-to-Proceed)
Draft Basis of Design Report and 30% Plans	18 weeks
Final Basis of Design Report and 30% Plans	4 weeks
90% PS&E	24 weeks
Final PS&E	6 weeks
Bid Conformed Plans and Specifications	4 weeks

Closing

We would like to express our thanks to the QHWD for the opportunity to work on this important project. Should you have any questions or wish to discuss any of the information presented herein, please do not hesitate to contact me at your convenience. My phone number is 661.203.3291 and email is jnord@adurra.com.

Sincerely,

Josh T. Nord, PE

Project Director

Stefanos G. Word, PE, ENV SP

Project Manager/Project Technical Leader

Enclosures:

- Exhibit A: 2026 Ardurra Rate Schedule
- Exhibit B: Estimated Level of Effort/Fee Schedule
- Exhibit C: Anticipated List of Design Drawings
- Exhibit D: Anticipated List of Technical Specifications
- Exhibit E: Conceptual Layout of Site 32 Treatment Facility

Exhibit A

2026 Ardurra Rate Schedule

2026 FEE SCHEDULE

CATEGORY	POSITION	HOURLY RATE
Communications and Administrative	Administrative Assistant	$119
	Strategic Communications Coordinator	$127
	Strategic Communications Specialist	$154
Designers and Technicians	CAD Technician I	$144
	CAD Design Technician II	$166
	Senior Designer	$185
Planning	Assistant Planner I	$147
	Assistant Planner II	$168
	GIS Specialist	$182
	Planner I	$198
	Planner II	$215
	Senior Planner	$226
Engineers	Engineering Technician	$108
	Assistant Engineer I	$147
	Assistant Engineer II	$168
	Project Engineer I	$198
	Project Engineer II	$215
	Senior Engineer I	$232
	Senior Engineer II	$251
	Senior Engineer III	$259
	Principal Engineer	$270
	Principal Electrical Engineer	$270
Project Management	Project Manager	$243
	Senior Project Manager	$280
	Project Director	$303
	Senior Project Director	$323
Construction Management Services	Scheduler	$188
	*** Construction Inspector	$210
	Assistant Resident Engineer	$210
	Resident Engineer	$223
	Construction Manager	$243
	Principal Construction Manager	$286

The foregoing Billing Rate Schedule is effective through December 31, 2026 and will be adjusted each year after at a rate of 2 to 5%.

DIRECT PROJECT EXPENSES

Outside Reproduction	Cost + 10%
Subcontracted or Subconsultant Services	Cost + 10%
Travel & Subsistence (other than mileage)	Cost
Auto Mileage	Current IRS Rate

*** 40 hrs per week assumed; part-time rates can be provided upon request
Rates also subject to prevailing wage mandatory increases during a calendar year

Exhibit B

Estimated Level of Effort/Fee Schedule

ARDURRA

Quartz Hill Water District
Site 32 Treatment Facility Design

	Project Director	Principal Engineer	Senior Engineer II	Assistant Engineer II	Administrative Assistant	Senior Designer	Total Hours (MKN)	Labor (MKN)	ODCs (MKN)	Geotechnical (SEI)	Surveying (KSI)	Structural & Architectural (ZSDE)	Non-Labor Costs	Total Fee
Hourly Rates	303	270	251	168	119	185								
Task Group 1 – Project Management														
Task 1.1 Project Management and QA/QC	24	128	64	32			248	$ 63,272	$ -	$ -	$ -	$ -	$ -	$ 63,272
Task 1.2 Meetings	24	16	24	24			88	$ 21,648	$ -	$ -	$ -	$ -	$ -	$ 21,648
Subtotal	48	144	88	56	0	0	336	$ 84,920	$ -	$ -	$ -	$ -	$ -	$ 84,920
Task Group 2 – Data Review														
Task 2.1 Data Request	4	4	16	24			48	$ 10,340	$ -	$ -	$ -	$ -	$ -	$ 10,340
Task 2.2 Geotechnical Investigation	2	2	8	8			20	$ 4,498	$ -	$ 17,699	$ -	$ -	$ 17,699	$ 22,197
Task 2.3 Topographic and Boundary Survey	2	2	4	4		8	20	$ 4,302	$ -	$ -	$ 9,598	$ -	$ 9,598	$ 13,900
Subtotal	8	8	28	36	0	8	88	$ 19,140	$ -	$ 17,699	$ 9,598	$ -	$ 27,297	$ 46,437
Task Group 3 – Preliminary Design														
Task 3.1 Basis of Design Report and 30% Planset (45 Dwgs.)	16	40	160	608	16	238	1078	$ 203,886	$ -	$ -	$ -	$ 14,300	$ 14,300	$ 218,186
Subtotal	16	40	160	608	16	238	1078	$ 203,886	$ -	$ -	$ -	$ 14,300	$ 14,300	$ 218,186
Task Group 4 – Detailed Design														
Task 4.1 90% Plans, Specifications, and Cost Estimate (98 Dwgs.)	16	32	160	1034	16	370	1628	$ 297,714	$ -	$ -	$ -	$ 28,600	$ 28,600	$ 326,314
Task 4.2 Final Plans, Specifications, and Cost Estimate (98 Dwgs.)	16	24	120	484	16	246	906	$ 170,174	$ -	$ -	$ -	$ 19,067	$ 19,067	$ 189,241
Subtotal	32	56	280	1518	32	616	2534	$ 467,888	$ -	$ -	$ -	$ 47,667	$ 47,667	$ 515,555
Task Group 5 – Bid Support Services														
Task 5.1 Bid Support Services	8	16	40	60	8	48	180	$ 36,696	$ -	$ -	$ -	$ 2,200	$ 2,200	$ 38,896
Subtotal	8	16	40	60	8	48	180	$ 36,696	$ -	$ -	$ -	$ 2,200	$ 2,200	$ 38,896
TOTAL BUDGET	112	264	596	2278	56	910	4216	$ 812,530	$ -	$ 17,699	$ 9,598	$ 64,167	$ 91,463	$ 903,994

Exhibit C

Anticipated List of Design Drawings

ARDURRA	**Anticipated Drawing List**	Requisition No. : --
		Document No. : F-F-011
		Sheet No. : 1
		Rev. No. : D
QUARTZ HILL WATER DISTRICT	**Quartz Hill Water District** **Site 32 Treatment Facility Design**	Current Design Phase : 30
		PIC : MKN
		PM : SGW
		Prepared By: : SGW
		Reviewed By: : JTN

SHEET	SHEET TITLE/DESCRIPTION	SHEET NO.	INCLUDE IN 30% SUBMITTAL?	INCLUDE IN 90% SUBMITTAL?	REMARKS
GENERAL					
1	COVER SHEET/TITLE SHEET	G-001	YES	YES	
2	SHEET INDEX	G-002	YES	YES	
3	SYMBOLS, ABBREVIATIONS, AND LEGEND	G-003	YES	YES	
4	NOTES	G-004	YES	YES	
5	SITE SURVEY AND CONTROL NOTES	G-005	YES	YES	
6	DESIGN CRITERIA - I	G-006	YES	YES	
7	DESIGN CRITERIA - II	G-007	YES	YES	
8	PIPE SCHEDULES	G-008	YES	YES	
9	PROCESS FLOW DIAGRAM	G-009	YES	YES	
10	HYDRAULIC PROFILE - TREATMENT	G-010	YES	YES	
11	HYDRAULIC PROFILE - BACKWASH	G-011	YES	YES	
CIVIL					
12	SITE PLAN	C-101	YES	YES	
13	DEMOLITION PLAN	C-102	NO	YES	
14	GRADING AND PAVING - PLAN	C-103	NO	YES	
15	GRADING AND PAVING - SECTIONS	C-104	NO	YES	
16	YARD PIPING PLAN	C-105	YES	YES	
17	YARD PIPING PLAN - COORDINATES	C-106	NO	YES	
18	SANITARY SEWER - PLAN AND PROFILE	C-107	YES	YES	
19	DRAINAGE PIPING - PLAN AND PROFILE	C-108	NO	YES	
20	CHEMICAL AND SAMPLE PIPING - PLAN	C-109	YES	YES	
21	CIVIL DETAILS - I	C-501	NO	YES	
22	CIVIL DETAILS - II	C-502	NO	YES	
23	CIVIL DETAILS - III	C-503	NO	YES	
24	CIVIL DETAILS - IV	C-504	NO	YES	
25	CIVIL DETAILS - V	C-505	NO	YES	
PROCESS-MECHANICAL					
26	PROCESS AREA PLAN	D-101	YES	YES	
27	PROCESS 10: REDUCTION CONTACTOR VESSELS - PLAN AND SECTIONS	D-102	YES	YES	
28	PROCESS 10: REDUCTION CONTACTOR VESSELS - SECTION AND ISOMETRIC	D-103	YES	YES	
29	PROCESS 10: FILTRATION SYSTEM - PLAN AND SECTION	D-104	YES	YES	
30	PROCESS 10: FILTRATION SYSTEM - SECTION AND ISOMETRIC	D-105	YES	YES	
31	PROCESS 20: 0.25 MG WELDED STEEL RESERVOIRS - PLAN	D-106	YES	YES	
32	PROCESS 20: 0.25 MG WELDED STEEL RESERVOIRS - SECTIONS - I	D-107	NO	YES	
33	PROCESS 20: 0.25 MG WELDED STEEL RESERVOIRS - SECTIONS - II	D-108	NO	YES	
34	PROCESS 20: 0.25 MG WELDED STEEL RESERVOIRS - SECTIONS AND DETAILS	D-109	NO	YES	
35	PROCESS 30: HIGH SERVICE PUMP STATION - PLAN	D-110	YES	YES	
36	PROCESS 30: HIGH SERVICE PUMP STATION - SECTIONS	D-111	YES	YES	
37	PROCESS 30: HIGH SERVICE PUMP STATION - ISOMETRICS	D-112	YES	YES	
38	PROCESS 40: ONSITE-GENERATED SODIUM HYPOCHLORITE STORAGE AND INJECTION - PLAN AND ISOMETRIC	D-113	YES	YES	
39	PROCESS 40: ONSITE-GENERATED SODIUM HYPOCHLORITE STORAGE AND INJECTION - SECTIONS	D-114	NO	YES	
40	PROCESS 41: FERROUS CHLORIDE STORAGE AND INJECTION SYSTEM - PLAN, SECTION, AND ISOMETRIC	D-115	YES	YES	
41	PROCESS-MECHANICAL DETAILS - I	D-501	NO	YES	
42	PROCESS-MECHANICAL DETAILS - II	D-502	NO	YES	
43	PROCESS-MECHANICAL DETAILS - III	D-503	NO	YES	
44	PROCESS-MECHANICAL DETAILS - IV	D-504	NO	YES	
45	PROCESS-MECHANICAL DETAILS - V	D-505	NO	YES	
ARCHITECTURAL					
46	PARTIAL SITE PLAN	A-001	NO	YES	
47	EGRESS FLOOR PLAN AND CODE ANALYSIS	A-002	NO	YES	
48	FLOOR PLAN - HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING	A-100	NO	YES	
49	REFLECTED CEILING PLAN - HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING	A-101	NO	YES	
50	ROOF PLAN - HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING	A-102	NO	YES	
51	HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING - ELEVATIONS - I	A-103	NO	YES	
52	HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING - ELEVATIONS - II	A-104	NO	YES	
53	HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING - SECTIONS	A-105	NO	YES	
54	ARCHITECTURAL DETAILS	A-501	NO	YES	
STRUCTURAL					
55	SHEET SPECIFICATIONS - I	S-000	NO	YES	
56	SHEET SPECIFICATIONS - II	S-001	NO	YES	
57	OVERALL STRUCTURAL SITE PLAN	S-101	NO	YES	
58	FOUNDATION PLAN - HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING	S-102	NO	YES	
59	ROOF FRAMING PLAN - HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING	S-103	NO	YES	
60	FRAMING SECTIONS - HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING	S-103	NO	YES	
60	FOUNDATION PLAN - REDUCTION COAGULATION FILTRATION SYSTEM	S-104	NO	YES	
61	FOUNDATION PLAN - 0.25 MG WELDED STEEL RESERVOIRS	S-105	NO	YES	
62	STRUCTURAL DETAILS - I	S-501	NO	YES	
63	STRUCTURAL DETAILS - II	S-502	NO	YES	
64	STRUCTURAL DETAILS - III	S-503	NO	YES	
65	STRUCTURAL DETAILS - IV	S-504	NO	YES	
66	STRUCTURAL DETAILS - V	S-505	NO	YES	
ELECTRICAL					
67	ELECTRICAL LEGEND AND NOTES	E-001	YES	YES	
68	SINGLE LINE DIAGRAM	E-101	YES	YES	
69	ELECTRICAL SITE PLAN - OVERALL	E-102	YES	YES	
70	HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING ELECTRICAL PLAN - OVERALL	E-103	YES	YES	
71	HIGH SERVICE PUMP STATION AND CHEMICAL STORAGE AND INJECTION BUILDING ELECTRICAL PLAN - LIGHTING	E-104	NO	YES	
70	PANEL SCHEDULES	E-105	YES	YES	
71	CONTROL SCHEMATICS - I	E-106	NO	YES	
72	CONTROL SCHEMATICS - II	E-107	NO	YES	
73	CABLE AND CONDUIT SCHEDULES - I	E-108	YES	YES	
74	CABLE AND CONDUIT SCHEDULES - II	E-109	YES	YES	
74	ELECTRICAL DETAILS - I	E-501	NO	YES	
75	ELECTRICAL DETAILS - II	E-502	NO	YES	
76	ELECTRICAL DETAILS - III	E-503	NO	YES	
77	ELECTRICAL DETAILS - IV	E-504	NO	YES	
78	ELECTRICAL DETAILS - V	E-505	NO	YES	
INSTRUMENTATION					
79	INSTRUMENTATION LEGEND AND SYMBOLS - I	N-001	YES	YES	
80	INSTRUMENTATION LEGEND AND SYMBOLS - II	N-002	YES	YES	
81	COMMUNICATIONS BLOCK DIAGRAM	N-003	YES	YES	
82	PROCESS 10: REDUCTION-COAGULATION FILTRATION SYSTEM - I - P&ID	N-101	YES	YES	
83	PROCESS 10: REDUCTION-COAGULATION FILTRATION SYSTEM - II - P&ID	N-102	YES	YES	
84	PROCESS 20: 0.25 MG WELDED STEEL RESERVOIRS - P&ID	N-103	YES	YES	
85	PROCESS 30: HIGH SERVICE PUMP STATION - P&ID	N-104	YES	YES	
86	PROCESS 40: ONSITE-GENERATED SODIUM HYPOCHLORITE STORAGE AND INJECTION - I - P&ID	N-105	YES	YES	
87	PROCESS 40: ONSITE-GENERATED SODIUM HYPOCHLORITE STORAGE AND INJECTION - II - P&ID	N-106	YES	YES	
88	PROCESS 41: FERROUS CHLORIDE STORAGE AND INJECTION SYSTEM - P&ID	N-107	YES	YES	
89	PROCESS 42: ONLINE FREE CHLORINE- AND TURBIDITY ANALYZERS - P&ID	N-108	YES	YES	
90	MISCELLANEOUS FACILITY ALARMS - P&ID	N-109	YES	YES	
91	PLC PANEL BACKPAN AND CONTROL PANEL LAYOUTS	N-200	NO	YES	
92	CONTROL SECTION POWER DISTRIBUTION	N-201	NO	YES	
93	INPUT/OUTPUT SIGNAL LIST - I	N-202	NO	YES	
94	INPUT/OUTPUT SIGNAL LIST - II	N-203	NO	YES	

REV	DATE	DESCRIPTION	REPARI	CHECKED	APPROVED	CLIENT	DATE
A	6/1/2026	ISSUED FOR REVIEW	#######	JTN	SGW	QHWD	6/25/2026

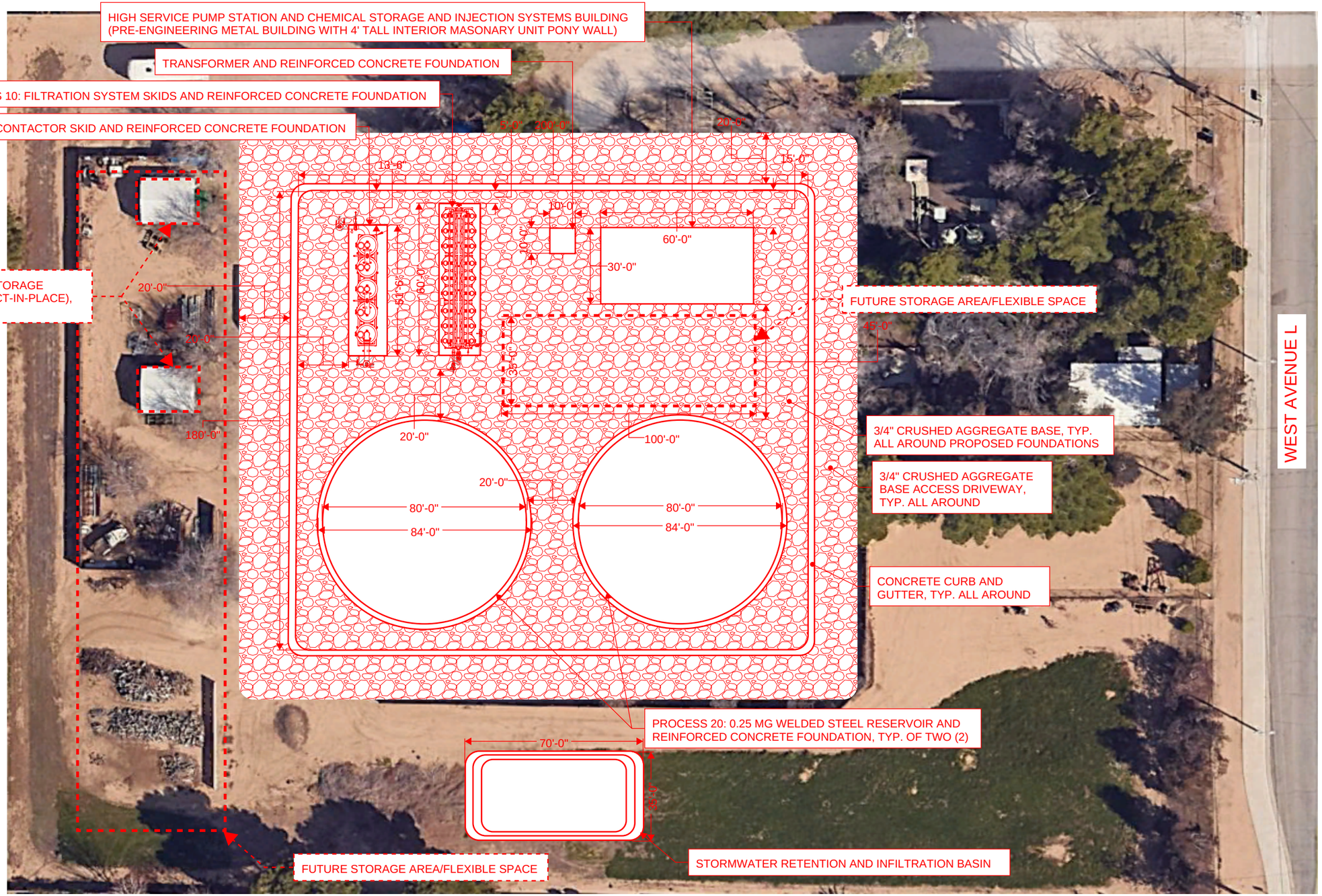
Exhibit D

Anticipated List of Technical Specifications

Preliminary List of Technical Specifications - Site 32 Treatment Facility Design	
Section	**Description**
DIVISION 00 - BID ITEMS	
000010	EXPLANATION OF BID ITEMS
DIVISION 01 - GENERAL REQUIREMENTS	
011100	COORDINATION OF WORK AND PERMITS
012000	MEASUREMENT AND PAYMENT
013300	SUBMITTALS
015721	STORM WATER RUNOFF CONTROL FOR SITES
016400	OWNER-FURNISHED EQUIPMENT
017825	PLANT TESTING STARTUP AND COMMISSIONING
017826	PERFORMANCE TESTING
019310	OPERATION AND MAINTENANCE MANUALS
DIVISION 02 – EXISTING CONDITIONS	
020120	PROTECTING EXISTING UNDERGROUND UTILITIES
020130	CONNECTIONS TO EXISTING BURIED PIPELINES
023219	SUBSURFACE UTILITY LOCATING (POTHOLING)
024100	EQUIPMENT, PIPING, AND MATERIALS DEMOLITION
DIVISION 03 – CONCRETE	
030510	LEAKAGE TESTING OF HYDRAULIC STRUCTURES
033000	CAST-IN-PLACE CONCRETE
034210	PRECAST CIRCULAR MANHOLES
DIVISION 05 – METALS	
050520	BOLTS, WASHERS, ANCHORS, AND EYEBOLTS
DIVISION 09 - FINISHES	
099000	PAINTING AND COATING
099100	BUILDING PAINTING
99674	COATINGS FOR STEEL WATER TANK
099752	COLD-APPLIED WAX TAPE COATING
099754	POLYETHYLENE SHEET ENCASEMENT (AWWA C105)
099761	FUSION-BONDED EPOXY LININGS AND COATINGS
DIVISION 22 – PLUMBING	
221118	RUBBER WATER HOSE, NOZZLES, AND QUICK CONNECTS
DIVISION 26 – ELECTRICAL	
260050	BASIC MATERIALS AND METHODS
260075	ELECTRICAL IDENTIFICATION
260100	BASIC ELECTRICAL REQUIREMENTS
260300	UNDERGROUND ELECTRICAL
262410	PANELBOARDS
262419	LOW-VOLTAGE MOTOR CONTROL
262650	ELECTRIC MOTORS
262913	LOW-VOLTAGE SWITCHBOARDS
262923	VARIABLE FREQUENCY DRIVE (VFD)
264213	FLANGE INSULATION KIT
264226	IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM FOR STEEL WATER TANKS
265000	LIGHTING
DIVISION 31 - EARTHWORK	
311100	CLEARING, STRIPPING, AND GRUBBING
312300	EARTHWORK
312316	TRENCHING, BACKFILLING, AND COMPACTING
312323	GRAVEL AND CRUSHED ROCK BASE FOR STRUCTURES
DIVISION 32 - EXTERIOR IMPROVEMENTS	
321613	CONCRETE CURBS, GUTTERS, AND SIDEWALKS
DIVISION 33 - UTILITIES	
330130	LEAKAGE AND INFILTRATION TESTING
331300	DISINFECTION OF PIPING AND STRUCTURES
331611	ABOVEGROUND STEEL WATER TANK (AWWA D100)
333112	PVC GRAVITY SEWER PIPE
333118	HDPE PROFILE WALL GRAVITY PIPE
DIVISION 40 - PROCESS INTEGRATION	
400200	INSTALLING OWNER-FURNISHED EQUIPMENT
400500	GENERAL PIPING REQUIREMENTS
400515	PRESSURE TESTING OF PIPING
400520	MANUAL, CHECK, AND PROCESS VALVES
400560	AIR-RELEASE AND VACUUM-RELIEF VALVES
400570	GLOBE PATTERN CONTROL VALVES (AWWA C530)
400722	FLEXIBLE PIPE COUPLINGS AND EXPANSION JOINTS
400762	WALL PIPES, SEEP RINGS, AND PENETRATIONS
400764	PIPE HANGERS AND SUPPORTS
400775	EQUIPMENT, PIPING, DUCT, AND VALVE IDENTIFICATION
402001	GENERAL REQUIREMENTS FOR STEEL PIPING
402035	RUBBER AND PLASTIC HOSE AND TUBING
402040	DUCTILE-IRON PIPE
402050	FABRICATED STEEL SPECIALS
402053	CARBON STEEL PIPE (16 INCHES AND SMALLER)
402090	PVC PIPE, 3 INCHES AND SMALLER
402716	QUICK-CONNECT COUPLINGS
402717	PULSATION DAMPENERS
402718	CALIBRATION COLUMNS FOR CHEMICAL METERING PUMPS
405010	SCADA LOOP DESCRIPTIONS
405030	ANALYTICAL INSTRUMENTS
409000	INSTRUMENTATION
DIVISION 43 - PROCESS GAS AND LIQUID HANDLING, PURIFICATION, AND STORAGE EQUIPMENT	
432150	VERTICAL TURBINE PUMPS
432160	DIAPHRAGM METERING PUMPS
433267	SODIUM HYPOCHLORITE GENERATION SYSTEM
433280	PACKAGED CHEMICAL FEED SKID
434127	POLYETHYLENE STORAGE TANKS
DIVISION 44 – POLLUTION CONTROL EQUIPMENT	
444249	IN-LINE STATIC INJECTION RING MIXERS
444312	REDUCTION COAGULATION FILTRATION SYSTEM

Exhibit E

Conceptual Layout of Site 32 Treatment Facility



NOTES:

1. BACKGROUND (GOOGLE EARTH) IMAGE DOES NOT DEPICT RECENT CLEARING AND DEMOLITION ACTIVITY PROVIDED BY DISTRICT. UPDATED SURVEY WILL PROVIDE BETTER INDICATION. BACKGROUND IMAGE SHOWN WAS INCLUDED TO PROVIDE CONCEPT-LEVEL CONTEXT ON EXISTING SITE BOUNDARY.

2. LAYOUT SUBJECT TO CHANGE IN FURTHER DISCUSSIONS WITH DISTRICT STAFF. CONCEPTUAL LAYOUT DEVELOPED FROM CONVERSATIONS WITH DISTRICT STAFF DURING FIELD VISIT AND WILL BE REFINED DURING PRELIMINARY- AND DETAILED DESIGN PHASE.

SCALE: 1" = 40'

ARDURRA
354 PACIFIC ST
SAN LUIS OBISPO, CA 93401 (805) 329-4773

QUARTZ HILL WATER DISTRICT
SITE 32 TREATMENT FACILITY DESIGN

CONCEPTUAL SITE LAYOUT

EXHIBIT
E

1. Administrative Team

During the past month, the office operated with limited staffing due to scheduled vacations and unexpected callouts. Staff adjusted assignments and prioritized customer service, disconnections, audit support, and daily office operations.

On September 1 and 2, auditors conducted on-site fieldwork while monthly billing was in progress. Office staff assisted by gathering requested records, responding to questions, and providing supporting documentation.

Staff completed the monthly billing process while also supporting the on-site audit. Accounts were reviewed for accuracy, and items requiring additional investigation or correction were identified and addressed.

During the billing process, field staff were provided with the locations requiring meter reading maintenance or additional investigation. These locations included damaged meter lids, unreadable registers, communication issues, and unusual readings. Field staff will continue to follow up on these locations to determine the appropriate repairs needed.

2. Door Tags, Shut-Off for Non-Payment and Average Past Due Amount

For water consumption during the month of May, payment was due September 9 before late fees were assessed. Staff issued 393 late notices and 147 shut-off notices. A total of 26 accounts were disconnected for non-payment. The average past due amount was $81.97.

	2026				
Month	Late Notices	Shut Off Notices	Shut Off for Non-Payment	Closed Next Day	Average Past Due
August	393	147	26	1	$81.97
Annual Total	2939	1267	231	39	$66.76

3. Customer Outreach

Staff continued assisting customers with questions related to billing, account balances, payment options, water consumption, service requests, and District policies.

Staff also continued monitoring accounts for unusually high usage. Customers were contacted when usage patterns triggered a new active leak alarm or a significant increase in consumption. By contacting customers directly, staff hope to identify and address potential issues early, helping to avoid unnecessary water loss and unexpected charges.

Staff will continue to monitor high-usage accounts and follow up as needed to support accurate billing, identify potential water loss, and assist customers with understanding and managing their water usage.

4. Upcoming Community Events

Staff are currently discussing plans for upcoming holiday activities and the District's Holiday Toy Drive. Additional information will be provided once everything is finalized.

Thank you,

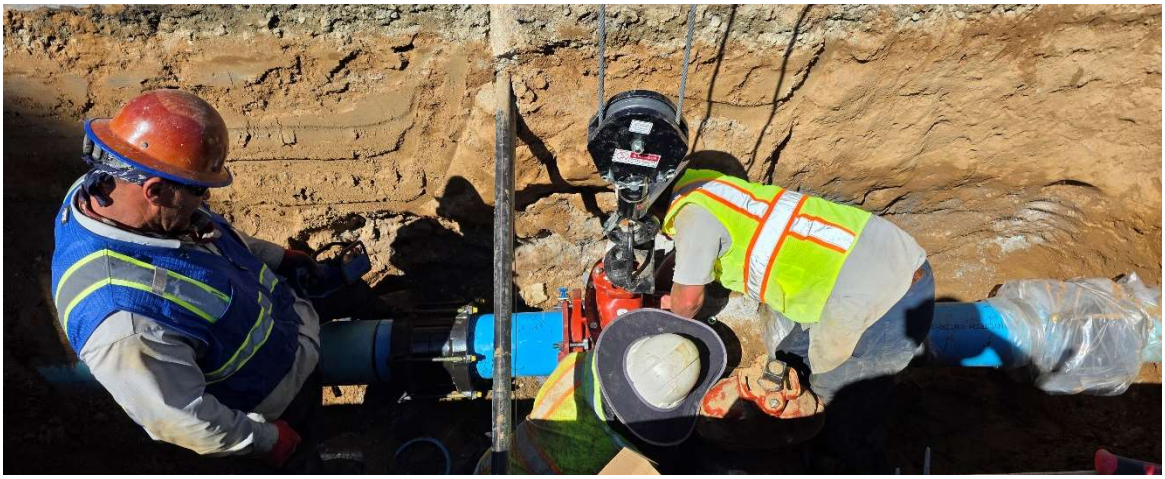
Mrs. Lopez
Administrative Services Supervisor

1. Site 18 Grading

Using the District's full fleet of heavy equipment, staff completed the rough grading at Site 18. During this process, the site was leveled and compacted, and the existing earthen flowline was relocated off the property. These steps were essential to prepare a clean site for the test drilling of the district's next groundwater well.

2. Mainline Valve Replacements

The annual valve replacement program continues, and staff recently completed 3 mainline valve replacements. These 3 valves were identified as defective during an emergency leak repair and staff quickly scheduled the replacements. Defective valves complicate isolation procedures and can lead to additional service interruptions during repairs.



3. Proactive service line replacements

In addition to responding to emergency service line leak repairs, field staff have continued proactive service line replacements in areas with a documented history of failures. Replacing service lines before failure reduces overtime costs, minimizes water loss, and results in overall cost savings for the district.

4. Valve Turning and Flushing

As part of the routine annual maintenance of our distribution system, staff conduct valve turning and flushing. Exercising the District's valves prevents corrosion build-up and minimizes the chance of a valve lockup. This program also ensures that water quality standards are maintained. Our crew is ahead of schedule this year and have exercised more than 2100 valves.

5. Facilities Maintenance

The facilities crew continues to perform upgrades and maintenance to improve the operations and appearance of each of the District's sites. This month they completed insulation replacement at Well 8, performed irrigation repairs at Well 5, and planted new trees at the Avenue M pump station. This ongoing effort leaves our sites "tour ready" and displays the level of pride we take in our operations.

6. Water Levels

Monthly monitoring of the district owned groundwater levels continues. These levels are currently stable and on par with historical averages. In August, the District relied on additional imported water to meet demand and reduce well runtimes. Proactive groundwater management is a priority of the District's commitment to preserving long-term reliable sources.

7. Water Availability

Monitoring of State water supply, groundwater supply, conservation cutbacks, and other available water resources continue to be a priority of management. Operational changes are made daily to utilize all available water resources and minimize production costs.

Thank you,

Brach Smith

Assistant General Manager

QUARTZ HILL WATER DISTRICT

General Manager Report
September 17, 2026

Dear Directors,

August was a productive month for the QHWD team. As expected during the summer months, the District experienced its highest water demand of the year, and both our well field and imported water supply continued to meet that demand reliably. Average daily demand was approximately 6 million gallons per day. Field crews remained busy responding to typical seasonal service line leaks, completing mainline valve replacements, maintaining facility sites, addressing customer service needs, and participating in ongoing training. Staff development remains a priority for the District. Administrative staff also continued customer outreach by contacting customers whose usage exceeded 150% of their individual monthly average. Several customers expressed appreciation for the proactive phone call. For additional details regarding field operations and capital improvement projects, please refer to Assistant General Manager Brach Smith's report.

Well Site 18

Field staff have completed the initial rough grading at the Well Site 18 location. The District anticipates drilling activities to begin in early October. Assistant General Manager Smith has been working diligently on the permitting process and continues to coordinate closely with the contractor to keep the project moving forward.

Site 32

Staff have met with the project engineers to discuss the design of the Site 32 treatment facility. A proposal for the related engineering task will be presented to the Board of Directors for consideration. Staff will also submit a proposed pilot study to assist with refining the design parameters and further defining the scope of the treatment process.

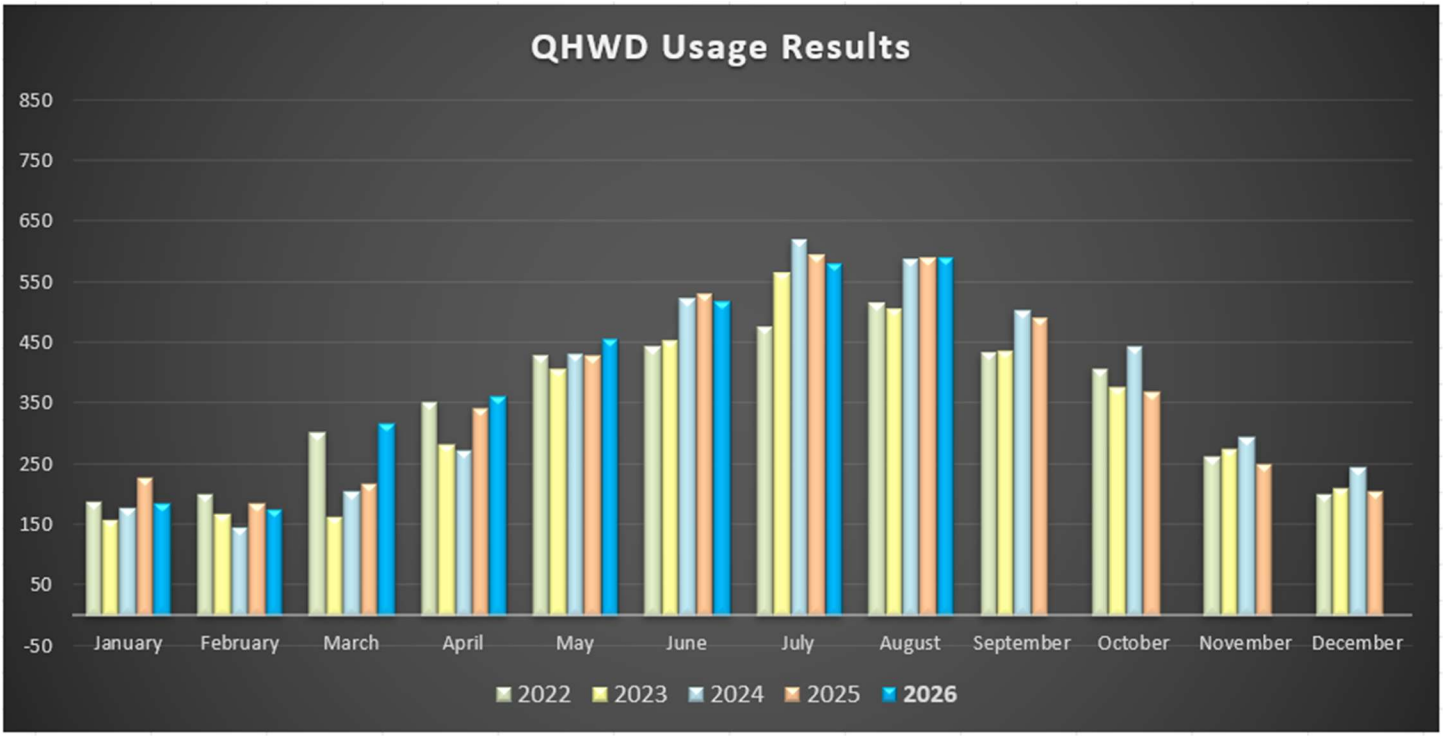
Water Supply Report

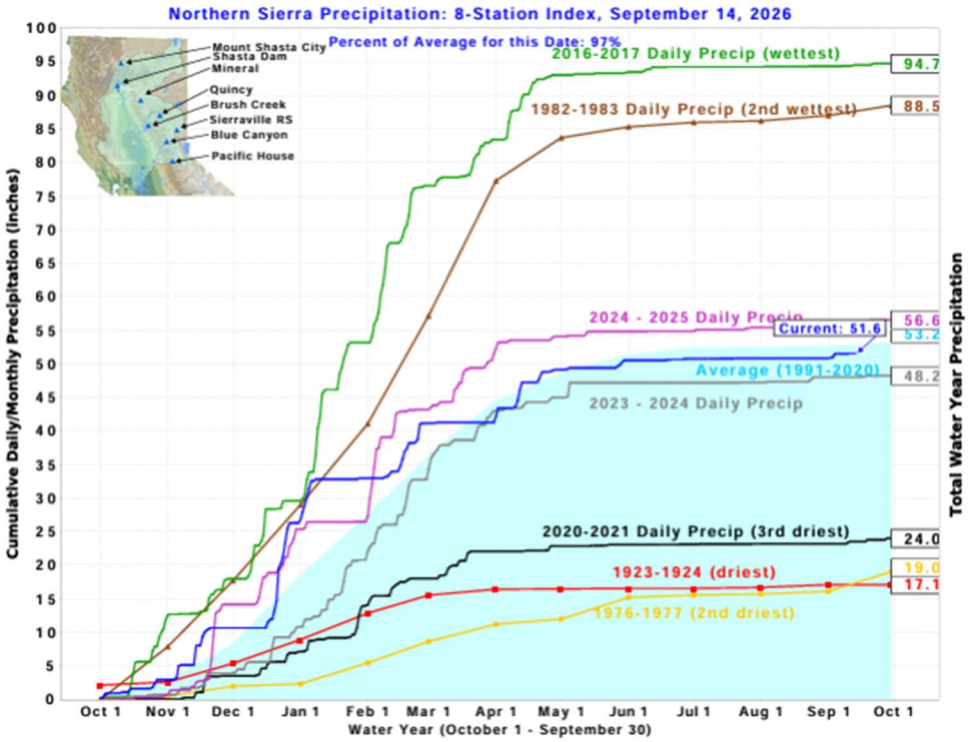
The State has finalized the "Making Conservation a California Way of Life". The District has already adopted several of the key actions in accordance with the regulation and will tailor our outreach messages to further promote the regulation. See the following web link for more information on this matter: https://www.waterboards.ca.gov/conservation/regs/water_efficiency_legislation.html

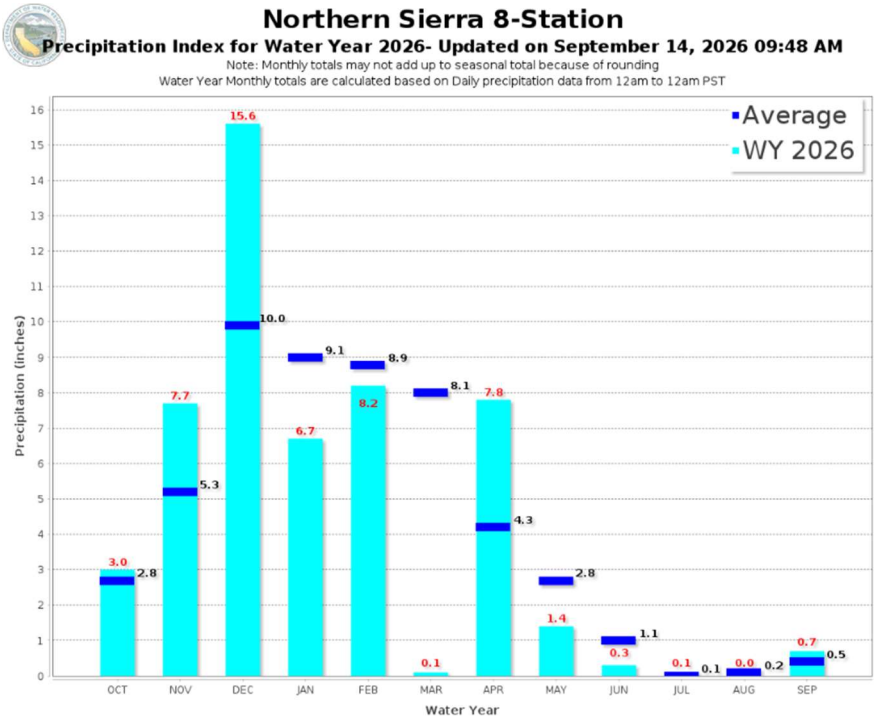
Several reports have come out in which State reservoirs are at above average levels. The state's largest reservoirs, Shasta Lake and Lake Oroville, were measured at a respective 102% and 129% of their historical averages for early September. However, the State is starting to monitor first signs of drought due to the second lowest snowpack recorder for this time of the year. We will continue to monitor this as well.

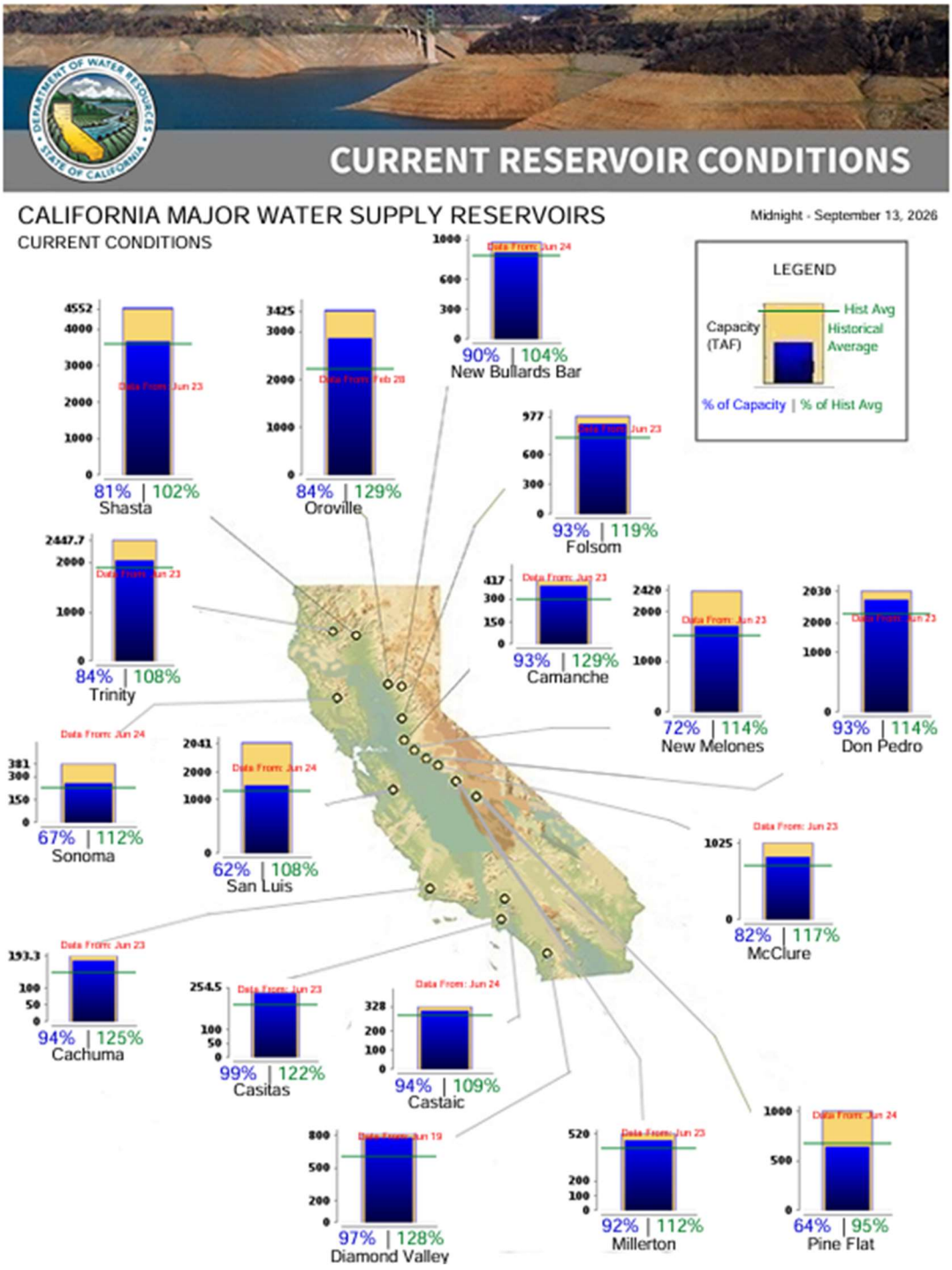
We hit peak production in August but adjustments in SCADA allowed us to take advantage of more AVEK water and reduce well pump runtimes.

- Total production was 591.29 acre-feet, equal to last year and down 6% from 2020.
- The split was 68% AVEK, 32 % wells.
- Average well runtime was 7.3 hours per day
- Residential per capita was 299.28
- Average daily demand was 6.2 MGD, with highest day being 6.90 MGD on 8/7. The lowest day was 5.54 MGD on 8/31.




Northern Sierra Precipitation: 8-Station Index, September 14, 2026
Percent of Average for this Date: 97%
Mount Shasta City
Shasta Dam
Mineral
Quincy
Brush Creek
Sierraville RS
Blue Canyon
Pacific House
2016-2017 Daily Precip (wettest)
94.7
1982-1983 Daily Precip (2nd wettest)
88.5
2024 - 2025 Daily Precip
Current: 51.6
56.6
53.2
Average (1991-2020)
48.2
2023 - 2024 Daily Precip
2020-2021 Daily Precip (3rd driest)
24.0
1923-1924 (driest)
19.0
17.1
1976-1977 (2nd driest)
Cumulative Daily/Monthly Precipitation (inches)
Total Water Year Precipitation
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
Water Year (October 1 - September 30)


Northern Sierra 8-Station
Precipitation Index for Water Year 2026- Updated on September 14, 2026 09:48 AM
Note: Monthly totals may not add up to seasonal total because of rounding
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST
Average
WY 2026
Precipitation (inches)
OCT 3.0 2.8
NOV 7.7 5.3
DEC 15.6 10.0
JAN 6.7 9.1
FEB 8.2 8.9
MAR 0.1 8.1
APR 7.8 4.3
MAY 1.4 2.8
JUN 0.3 1.1
JUL 0.1 0.1
AUG 0.0 0.2
SEP 0.7 0.5
Water Year



Daily Reservoir Storage Summary: https://cdec.water.ca.gov/reservoir.html

Customer/Conservation Outreach

1. Our team has creatively worked with Lamar advertising to design a few conservation-minded billboards to help remind our customers of simple conservation measures that can save money and produce real results in conservation.


SWEEP IT
DON'T SPRAY IT
QUARTZ HILL
WATER DISTRICT
| Making Conservation A Way Of Life
LAMAR


STOP THE DRIP
SAVE EVERY DROP
QUARTZ HILL
WATER DISTRICT
| Making Conservation A Way Of Life
LAMAR

2. Congratulations to Mr. Rico on our field crew for passing his State certified Treatment Operator 2 license (T2).

This concludes my report, and as always please contact me with any questions or concerns at brentb@qhwd.org

Thank you,

Brent Byrne

General Manager