



CALAVERAS PUBLIC UTILITY DISTRICT
506 W. St. Charles, Street San Andreas, CA 95249

SPECIAL MEETING OF THE BOARD OF DIRECTORS

August 27, 2026 at 5:00 p.m.

Kevin Sparks
President of the Board

Director Garrett Hesser
Director Jack Tressler

Director Richard Blood
Director Mathew Warmerdam

Calaveras Public Utility District hereby provides notice that it will convene its regularly scheduled public meetings of the Board of Directors at the District Office. If you are unable to attend in person, we encourage you to attend remotely as follows:

- **Join the Conference Call Meeting**
- **Dial-in number (US): 1(669)900-9128**
- **Join the online ZOOM meeting:**
- <https://us02web.zoom.us/j/82993738398?pwd=OkyT3xb2MaN4oVJtob3hAKrDcmpNfV.1>
- **Meeting ID: 829 9373 8398**
- **Meeting Passcode code: 550346**

Please mute your call before joining. This will limit technical difficulties with audio. Only unmute your call if the President has requested public comment on an item. Upon completing your comments, please mute your call again. Do not put the call on hold, as hold music can ruin the call for all other participants. If that occurs, or in the event of disruptive conduct, staff reserves the right to disconnect that caller. Do no talk over the top of any other callers. Conversations must be one at a time.

NOTICE OF SPECIAL MEETING AND AGENDA

1. CALL THE MEETING TO ORDER

2. ROLL CALL OF DIRECTORS

- a. President Kevin Sparks
- b. Director Garrett Hesser
- c. Director Richard Blood
- d. Director Jack Tressler
- e. Director Mathew Warmerdam

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENT (Limit: 3 min/person)

At this time, members of the public may address the Board on any matter within its jurisdiction which is not on the agenda. The public is encouraged to work with staff to place items on the agenda for Board consideration. No action can be taken on matters not listed on the agenda. Comments are limited to 3 minutes per person.

ITEMS FOR BOARD DISCUSSION AND/OR ACTION

Board action may occur on any identified agenda item. Any member of the public may directly address the Board on any identified agenda item of interest, either before or during the Board's consideration of that item.

5. CLOSED SESSION: CONFERENCE WITH REAL PROPERTY NEGOTIATORS (Government Code Section 54956.8)

Property: A portion of Assessor's Parcel Number (APN) 014-004-047 and 069-047, 90 Rich Gulch Rd Glencoe, CA 95232, involving a water utility easement and temporary construction easement/right of entry permit.

Agency Negotiator(s): Mathew Roberts, General Manager

Negotiating Parties: Mattley Dell'Orto, property owner

Under Negotiation: Price and terms of payment for easement.

6. RICH GULCH PROJECT

Action Requested: Roll Call Vote

Authorize the General Manager to Execute a Construction Agreement for the Rich Gulch Project.

7. DAM SAFETY SURVEILLANCE AND MONITORING PLAN (DSSMP) UPDATE – GEI CONSULTANTS

Action Requested: Roll Call Vote

Authorize the General Manager to issue a Notice to Proceed to GEI Consultants, Inc. for the update of the District's Dam Safety Surveillance and Monitoring Plan (DSSMP), under the existing Chief Dam Safety Engineer Services contract, in an amount not to exceed \$40,000.

8. ADJOURNMENT

If there is no other Board business the President will adjourn to its next regular meeting scheduled for September 15, 2026, at 5:00 p.m.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Office at (209) 754-9442. Notification in advance of the meeting will enable CPUD to make reasonable arrangements to ensure accessibility to this meeting. Any documents that are made available to the Board before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at CPUD for review by the public.

**CALAVERAS PUBLIC UTILITY DISTRICT
MEMORANDUM**

To: Board of Directors
From: Mathew Roberts, General Manager
Subject: Rich Gulch Project – Construction Agreement
Date: August 27, 2026

The District is currently accepting bids for the Rich Gulch Project. The bid opening is scheduled for August 27, 2026, at 10:00 a.m.

At the time this agenda packet is being prepared, the bids have not yet been opened, so staff does not have a contractor or final bid amount to recommend. Staff will open the bids on the morning of August 27 and review the bids prior to the Board meeting that evening.

Staff is requesting authorization for the General Manager to execute the Construction Agreement with the lowest responsible responsive bidder whose bid complies with the requirements of the bid documents, following the bid opening and review.

Recommendation:

Authorize the General Manager to execute a Construction Agreement for the Rich Gulch Project with the lowest qualified bidder whose bid meets the requirements of the bid documents

Respectfully Submitted,

Mathew Roberts
General Manager





CALAVERAS PUBLIC UTILITY DISTRICT

NOTICE TO CONTRACTORS AND SPECIFICATIONS

FOR

RICH GULCH WATERLINE REPLACEMENT PROJECT

JUNE 2026

BID OPENING: AUGUST 11, 2026 AT 10 A.M.

TABLE OF CONTENTS

SECTION I

NOTICE TO CONTRACTORS.....	3
PROPOSAL	5
BID SUMMARY.....	6
INFORMATION REQUIRED OF BIDDER	8
NON-COLLUSION DECLARATION	10
BID BOND.....	12
CONSTRUCTION AGREEMENT	13
PERFORMANCE BOND	15
PAYMENT BOND	16
INSURANCE REQUIREMENTS.....	17

SECTION II - SUPPLEMENTAL GENERAL CONDITIONS.....20

SECTION II-1. SPECIFICATIONS AND PLANS.....	20
II-1.01 DEFINITIONS AND TERMS.....	20
SECTION II-2. PROPOSAL REQUIREMENTS AND CONDITIONS	22
II-2.01 GENERAL.....	22
II-2.02 PROPOSAL	22
II-2.03 PROPOSAL GUARANTEE.....	22
II-2.04 MAINTENANCE GUARANTEE	23
II-2.05 IDENTIFICATION OF SUBCONTRACTORS.....	23
II-2.06 MANDATORY PRE-BID CONFERENCE.....	24
II-2.07 ADDENDA.....	25
SECTION II-3. AWARD AND EXECUTION OF CONTRACT	26
II-3.01 GENERAL.....	26
II-3.02 EXECUTION OF CONTRACT, AWARD OF CONTRACT	26
II-3.03 RETURN OF PROPOSAL GUARANTEES	26
SECTION II-4. BEGINNING OF WORK, TIME OF COMPLETION AND	27
LIQUIDATED DAMAGES	27
II-4.01 BEGINNING OF WORK.....	27
II-4.02 TIME OF COMPLETION.....	27
II-4.03 LIQUIDATED DAMAGES	27
SECTION II-5. GENERAL REQUIREMENTS.....	28
II-5.01 LABOR NONDISCRIMINATION.....	28
II-5.02 BLANK	28
II-5.03 PUBLIC SAFETY.....	28
II-5.04 SURFACE MINING AND RECLAMATION ACT.....	28
II-5.05 REMOVAL OF ASBESTOS AND HAZARDOUS SUBSTANCES.....	28
II-5.06 SUBCONTRACTING	29
II-5.07 PROMPT PROGRESS PAYMENT TO SUBCONTRACTORS	30
II-5.08 PROMPT PAYMENT OF FUNDS WITHHELD TO SUBCONTRACTORS	30
II-5.09 PAYMENTS	31
II-5.10 CLAIMS.....	31
II-5.11 CERTIFIED PAYROLL	31
II-5.12 GENERAL PREVAILING WAGE RATES.....	32
SECTION II-6. (BLANK).....	32
SECTION II-7. (BLANK).....	32
SECTION II-8. (BLANK).....	32

SECTION III SPECIAL PROVISIONS.....33

SECTION III-1 GENERAL.....	33
III-1.01 STANDARD SPECIFICATIONS.....	33

III-1.02	LOCATE AND PROTECT EXISTING UTILITIES.....	34
III-1.03	PROTECTION OF EXISTING ROADWAY SURFACES.....	35
III-1.04	WORKING HOURS.....	35
III-1.05	ALIGNMENT AND GRADE CONTROL.....	35
III-1.06	SCHEDULE AND SEQUENCE OF OPERATION.....	36
III-1.07	SUBMITTAL & SHOP DRAWINGS.....	36
III-1.08	MOBILIZATION.....	38
III-1.09	CLEAN UP.....	39
III-1.10	WATER POLLUTION.....	39
III-1.11	SAFETY (SHEETING AND SHORING).....	40
III-1.12	MATERIALS SUPPLIED BY OWNER.....	41
III-1.13	TRAFFIC CONTROL.....	41
III-1.14	AS-BUILT PLANS.....	42
III-1.15	COMPENSATION.....	42
SECTION III-2	SITE WORK.....	43
III-2.01	GENERAL.....	43
III-2.02	CLEARING AND GRUBBING.....	43
III-2.03	LANDSCAPE PROTECTION.....	44
III-2.04	EROSION CONTROL.....	44
SECTION III-3	WATER PIPELINES AND APPURTENANCES.....	46
III-3.01	GENERAL.....	46
III-3.02	PIPING AND PLUMBING.....	46
III-3.03	PIPE LAYING.....	47
III-3.04	TRENCHES AND BACKFILL.....	47
III-3.05	COMPACTION TESTING.....	51
III-3.07	BLOWOFF VALVES.....	52
III-3.08	GATE VALVES.....	52
III-3.09	VALVE BOXES.....	53
III-3.10	THRUST BLOCKS AND ANCHOR BLOCKS.....	53
III-3.11	CONNECTION TO EXISTING WATER MAINS.....	53
III-3.12	TESTING & DISINFECTION OF WATERLINES.....	54
III-3.13	EXISTING PIPELINE ABANDONMENT.....	54
III-3.14	COMPENSATION.....	55
ATTACHMENTS		66
	Geotech Report	
	Improvement Plans	

NOTICE TO CONTRACTORS

Separate sealed BIDS for the **"RICH GULCH WATERLINE REPLACEMENT PROJECT"** will be received by the CALAVERAS PUBLIC UTILITY DISTRICT, **506 W. St Charles St., San Andreas, California 95249**, until **August 11, 2026 at 10:00 a.m.** and then at said District Office all publicly opened and read aloud. A **mandatory** pre-bid conference will be held **July 14, 2026, at 9:30 a.m.** at the District Office.

Bids are required for the entire project as set forth in the specifications, and all work shall be completed within **25 work days**. At the time the contract is awarded, the contractor shall possess a **Class A** license.

The work is generally described as follows:

Construction of approximately 700 linear feet of 16-inch diameter waterline for a complete and operational waterline replacement project and appurtenant work all in accordance with the project plans and specifications.

All work is located within private property in Mokelumne Hill, California.

Project specifications, special provisions, plans, and proposal forms for bidding this project can be examined at District Office. An electronic file can be obtained from **Weber, Ghio & Associates** by emailing Maria Garcia at m.garcia@wgainc.net. No hard copies will be provided. It will be the bidder's responsibility to print the bid form for submittal.

Inquiries or questions regarding the plans, specifications or estimate must be communicated as a bidder inquiry prior to bid opening directed to the District Engineer's Office **in writing** to m.ospital@wgainc.net.

This contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990 and payment to the contractor shall be in accordance with Section 9-1.16, "Progress Payment" of the State Standard Specifications and the project specifications.

The successful bidder shall furnish a fully executed payment bond and performance bond.

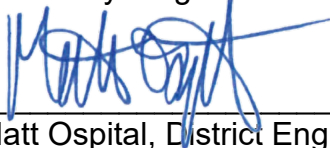
Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. Addenda to modify wage rates, if necessary, will be issued to holders of these specifications. Future effective general prevailing wage rates which have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the General Prevailing Wage Rates section of the project specifications.

No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2017) unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5 [with limited exceptions from this

requirement for bid purposes only under Labor Code Section 1771.1(a)]. No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2017) unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The District reserves the right to reject any or all bids, and further reserves the right to waive any irregularities in the bids.



Matt Ospital, District Engineer
CPUD

6/26/26

Date

PROPOSAL

PROPOSAL TO: CALAVERAS PUBLIC UTILITY DISTRICT

The undersigned bidder hereby proposes to furnish all labor, materials, equipment, tools and services necessary to perform all work required for complete improvements in accordance with the plans and specifications entitled **"RICH GULCH WATERLINE REPLACEMENT PROJECT"** in accordance with the intent of plans, specifications, and all addenda issued by Owner.

EXISTENCE OF CONTRACT: A contract between the bidder and the public agency shall not be deemed to exist until all of the following three steps have been taken:

1. The contract has been awarded by the legislative body;
2. The contractor has executed a written agreement, in substantially the form set forth herein, within **10 days** after notice that the contract has been awarded.
3. The contractor has delivered to the public agency the written agreement together with the faithful performance bond and payment bond and such certificates of insurance in accordance with these special provisions.

If bidder fails to comply with all three steps within the time specified, the proposal guarantee furnished by bidder shall be forfeited to Owner as liquidated damages for such failure. If bidder executes the Contract, secures the required insurance and bonds, and furnishes the required insurance certificates within time specified herein, bidder's check, if furnished, shall be returned within five (5) days thereafter, and the bid bond, if furnished, shall become void.

Bidder further agrees to complete all work required under the Contract within the time stipulated in said specifications, and to accept as full compensation therefore the price(s) set forth in the bid summary.

BID SUMMARY
RICH GULCH WATERLINE REPLACEMENT PROJECT

Item	Quantity	Description	Unit Price	Total Price
1.	1 LS	Mobilization in accordance with the plans and specifications.	\$	\$
2.	1 LS	Locate & Protect Existing Utilities in accordance with the plans and specifications.	\$	\$
3.	1 LS	Sheeting, Shoring & Bracing in accordance with the plans and specifications.	\$	\$
4.	700 LF	16-inch Diameter DIP Waterline in accordance with the plans and specifications.	\$	\$
5.	1 LS	Connection to Existing Water Mains in accordance with the plans and specifications.	\$	\$
6.	6 EA	16-inch Diameter Gate Valve in accordance with the plans and specifications.	\$	\$
7.	1 EA	Blowoff Valve in accordance with the plans and specifications.	\$	\$
8.	2 EA	Connection to Existing Water Service in accordance with the plans and specifications.	\$	\$
9.	1 LS	Testing & Disinfection in accordance with the plans and specifications.	\$	\$
10.	1 LS	Pipeline Abandonment in accordance with the plans and specifications.	\$	\$
BID TOTAL				\$

CONTRACTOR NAME: _____

Bidder hereby agrees to commence work under this contract on or before a date to be specified in the Notice to Proceed and to fully complete the project within twenty-five (25) consecutive work days thereafter. Bidder further agrees to pay as liquidated damages as set forth in Section II-4 of these specifications.

CONFIRMATION OF ANY ADDENDUMS: The following addendums were received and considered as part of this bid package:

Addendum(s) _____

By submission of a bid, bidder certifies possession of a duly issued and valid contractor's license issued by the State of California, which license authorizes bidder to contract to perform the type of work required by the specifications and that bidder has not less than five years of comparable and acceptable public work experience. Bidder further certifies that the plans and specifications and project site have been reviewed, that the special state and federal requirements have been read and understood, and that full compensation for all work required for a complete and operational project has been included in the contract bid prices set forth above.

By submission of a bid, bidder certifies that pursuant to Labor Code Section 1725.5, he/she is registered with the Department of Industrial Relations. **No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5.**

Should the Bidder fail to provide below, the number and classification of Bidder's State Contractor's License, and complete and accurate "Information Required of Bidder," the Owner may reject this bid therefore.

Dated: _____

By: _____
(Contractor's Signature)

Title: _____

Business Name: _____

Contractors Lic. No.: _____

Expiration Date: _____

DIR No.: _____

SEAL (if corporation)

INFORMATION REQUIRED OF BIDDER

The bidder shall furnish the following information. Failure to comply with this requirement will render the Proposal informal and may cause its rejection. Additional sheets shall be attached as required.

1. Contractor's name and address:

2. Contractor's telephone number: _____
3. Contractor's license: Primary classification _____
State License No. _____ Exp. Date _____
Supplemental classifications held, if any: _____

4. Number of years as a contractor in construction work of this type: _____ *
5. Names and titles of all officers of contractor's firm:

6. Name of person in your firm who inspected site of the proposed work and reviewed the project plans and specifications.

Name: _____

Date of Inspection: _____
7. Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

*Contractor and his subcontractors shall have not less than five (5) years of successful experience in municipal public works construction of each phase of work required by this contract. Contractor represents that he has such experience and is qualified to perform all work except as set forth in paragraph 8, and that subcontractors listed hereon have been contacted and agreed to perform the designated work. Bidders are directed to Section II-3, Award and Execution of Contract.

8. The bidder shall list below the name, business address, license number and DIR number of each subcontractor who will perform work under this contract in excess of one-half percent of the total bid price, or \$5,000, whichever is greater; and shall also list the portion of the work which will be done by such subcontractor. **This includes ready-mix haulers and companies that deliver ready-mixed concrete for public works projects in accordance with Labor Code Section 1722.1.** After the opening of proposals, no changes or substitutions will be allowed without the written approval of the Owner.

	Sub Contractor' Name Address	License No.	DIR No.	Work to Be Performed
1	_____ _____ _____	_____	_____	_____ _____ _____
2	_____ _____ _____	_____	_____	_____ _____ _____
3	_____ _____ _____	_____	_____	_____ _____ _____
4	_____ _____ _____	_____	_____	_____ _____ _____
5	_____ _____ _____	_____	_____	_____ _____ _____
6	_____ _____ _____	_____	_____	_____ _____ _____
7	_____ _____ _____	_____	_____	_____ _____ _____
8	_____ _____ _____	_____	_____	_____ _____ _____

Note: Attach additional sheets as required.

NON-COLLUSION DECLARATION

TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID
(Public Contract Code Section 7106)

The undersigned declares:

I am the _____ of, _____, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [Date], at _____ [City], _____ [State].

Contractor

(Print Name)

(Signature)

WORKERS' COMPENSATION CERTIFICATE

Labor Code Section 3700, in relevant part, provides:

“Every employer except the state shall secure the payment of compensation in one or more of the following ways:

- a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this state;
- b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer, or as one employer in a group of employers, which certificate may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees,”

I am aware of the provisions of Labor Code Section 3700 which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract. I shall supply the Owner with certificates of insurance evidencing that Workers' Compensation Insurance is in effect and providing that the Owner will receive thirty (30) days' notice of cancellation.

Name of Contractor

Signature

Date

Print Name

(In accordance with Article 5 [commencing at Section 1860], Chapter 1, Part 7, Division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under the contract.)

BID BOND

KNOW ALL MEN BY THESE PRESENTS,

That _____ as principal, and
_____ as Surety, are held and firmly
bound unto _____ hereinafter called "Owner," in
the sum of _____ dollars,
(not less than 10 percent of the total amount of the bid)

for the payment of which sum well and truly to be made, we bind ourselves, our heirs,
executors, administrators, successors, and assigns, jointly and severally, firmly by these
presents.

WHEREAS, said Principal has submitted a bid to said Owner to perform all work required
under the bidding schedule of the Owner's specifications entitled, **"RICH GULCH
WATERLINE REPLACEMENT PROJECT."**

NOW THEREFORE, if said Principal is awarded a contract by said Owner and, within the
time and in the manner required in the Owner's specifications, enters into a written
contract on the form of agreement bound with said specifications and furnishes the
required bonds, one to guarantee faithful performance and the other to guarantee
payment for labor and materials, then this obligation shall be null and void; otherwise, it
shall remain in full force and effect. In the event suit is brought upon this bond by said
Owner and judgment is recovered, said Surety shall pay all costs incurred by said Owner
in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED AND SEALED, this ____ day of _____, 20____.

(Principal) (SEAL) _____ (SEAL)
(Surety)

By: _____ By: _____
(Signature) (Signature)

(SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY)

**CALAVERAS PUBLIC UTILITY DISTRICT
RICH GULCH WATERLINE REPLACEMENT PROJECT**

CONSTRUCTION AGREEMENT

THIS AGREEMENT, made and entered into on _____, 2026 by and between the Calaveras Public Utility District, California (hereinafter referred to as DISTRICT), and _____, Contractor, (hereinafter referred to as CONTRACTOR), or under the authority of the Public Contract Code of the State of California.

The parties hereto mutually agree as follows:

For and in consideration of the mutual promises and other valuable consideration set forth herein, receipt of which is hereby acknowledged, DISTRICT agrees to employ Contractor and Contractor agrees to furnish all materials and labor for the prescribed work; perform and complete in good and workmanlike manner all the work pertaining thereto shown on the plans and specifications therefore; to furnish at his sole cost and expense all materials, tools, equipment and facilities, and all labor and services necessary therefore (except such materials, if any, which under the specifications are to be furnished by the DISTRICT), and to do everything required by this Agreement and said plans and specifications, including but not limited to the payment of prevailing wages as required by state law.

Contractor is responsible for furnishing all said materials and labor, tools and equipment, and doing all the work contemplated and embraced in this Agreement, also for all loss and damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties which may arise or be encountered in the prosecution of the work until its acceptance by the DISTRICT, and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of work, except such as in the said specifications are expressly stipulated to be borne by the DISTRICT. For well and faithfully completing the work and the whole thereof, in the manner shown and described in said plans and specifications, the DISTRICT will pay and the Contractor shall receive in full compensation therefore the lump sum price, or if the bid is on the unit price basis, the total price for the several items furnished pursuant to the specifications, named in the schedule of the Proposal in the amount of \$_____.

The Notice to Contractors, Proposal, and Specifications are hereby incorporated into and made a part of this Agreement by reference as if fully set forth.

Civil Code Section 3247 requires every contractor that receives a public works contract to file a payment bond and performance bond with the awarding agency for the agency's review and approval. It is the public agency's mandatory duty to ensure that the general contractor's payment bond surety meets the requirement of Code of Civil Procedure 995.310.

The DISTRICT requires that the contractor submit verification from the California Insurance Commissioner of the surety's certificate of authority to issue such bonds. If the surety is not admitted or the certificate is unavailable, the agency must reject the bonds and the proposed contract unless and until the contractor furnishes bonds provided by an admitted surety insurer or by otherwise sufficient sureties. Verification from the California Insurance Commission must be received, along with the bonds, before work begins, or no payment shall be made to Contractor. Contractor shall submit a detailed schedule of work at the pre-construction conference for approval by the DISTRICT Engineer. This contract shall not take effect and no payment shall be made to Contractor until that schedule is submitted and approved.

If Contractor fails to complete the work in accordance with the schedule set forth in the specifications and/or accordance with Section 4 of Section II, Supplemental General Conditions, of the project specifications, Contractor shall be liable for liquidated damages pursuant to Section II-4.03, for each day of delay. Liquidated damages accrued shall be deducted from compensation due the Contractor and retained by DISTRICT.

All certificates of insurance, policy endorsements, and all other certificates required by the specifications shall be on file with the District before work begins or no payment will be made to Contractor.

This is a public works contract within the meaning of Part 7 of Division 2 of the California Labor Code (Sections 1720 and following), and the contractor and any subcontractor under him shall pay not less than the specified prevailing rates of wages to all workmen employed and be registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

IN WITNESS WHEREOF, the Parties hereto have caused this contract to be executed the day and year first above written.

CALAVERAS PUBLIC UTILITY DISTRICT

CONTRACTOR

By _____
Date

By _____
Date

ATTEST:

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS,

That _____ as Contractor, and
_____ as Surety, are held and firmly
bound unto _____ hereinafter called "Owner," in the
sum of _____ dollars,

(Equivalent to 100 percent of contract amount)

for the payment of which sum well and truly to be made, we bind ourselves, our
heirs, executors, administrators, successors, and assign, jointly and severally, firmly
by these presents.

WHEREAS, said Contractor has been awarded and is about to enter into the
contract agreement with said Owner to perform all work required under the bidding
schedule(s) of the Owner's specifications entitled **"RICH GULCH WATERLINE
REPLACEMENT PROJECT."**

NOW, THEREFORE, if said contractor shall perform all the requirements of said
contract required to be performed on his part, at the times and in the manner
specified therein, then this obligation shall be null and void, otherwise it shall remain
in full force and effect.

PROVIDED, that any alterations in the work to be done or the materials to be
furnished, or changes in the time of completion, which may be made pursuant to the
terms of said contract, shall not in any way release said Contractor or said Surety
thereunder, nor shall any extensions of time granted under the provisions of said
contract release either said Contractor or said Surety, and notice of such alterations
or extensions of the contract is hereby waived by said Surety.

SIGNED AND SEAL, this _____ day of _____, 20____.

(Contractor) (SEAL) _____ (SEAL)
(Surety)

By: _____ By: _____
(Signature) (Signature)

(SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY)

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS,

That _____ as Contractor, and
_____ as Surety, are held and firmly
bound unto _____ hereinafter called "Owner," in the
sum of _____ dollars,
(Equivalent to 100 percent of contract amount.)

for the payment of which sum well and truly to be made, we bind ourselves, our
heirs, executors, administrators, successors, and assign, jointly and severally, firmly
by these presents.

WHEREAS, said Contractor has been awarded and is about to enter into the
contract agreement with said Owner to perform all work required under the bidding
schedule(s) of the Owner's specifications entitled **"RICH GULCH WATERLINE
REPLACEMENT PROJECT."**

NOW, THEREFORE, if said contractor, or subcontractors fails to pay for any
materials, equipment, or other supplies, or for rental of same, used in connection
with the performance of work contracted to be done, or for amounts due under
applicable State law for any work or labor thereon, said Surety will pay for the same
in an amount not exceeding the sum specified above, and, in the event suit is
brought upon this bond, a reasonable attorney's fee to be fixed by the court. This
bond shall inure to the benefit of any persons, companies, or corporations entitled to
file claims under applicable State law.

PROVIDED, that any alterations in the work to be done or the materials to be
furnished, or changes in the time of completion, which may be made pursuant to the
terms of said contract, shall not in any way release said Contractor or said Surety
thereunder, nor shall any extensions of time granted under the provisions of said
contract release either said Contractor or said Surety, and notice of such alterations
or extensions of the contract is hereby waived by said Surety.

SIGNED AND SEAL, this _____ day of _____, 20____.

_____(SEAL) _____(SEAL)
(Contractor) (Surety)

By: _____ By: _____
(Signature) (Signature)

(SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY)

INSURANCE REQUIREMENTS

- I. THIS CONTRACT/AGREEMENT SHALL NOT BE EXECUTED BY DISTRICT and the CONTRACTOR is not entitled to any rights, unless certificates of insurances, or other sufficient proof that the following provisions have been complied with, and such certificate(s) are filed with the Secretary.
- II. Without limiting Contractor's indemnification provided herein, Contractor shall and shall require any of its subcontractors to take out and maintain, throughout the period of this Agreement, the following policies of insurance placed with insurers with a current A.M. Bests rating of no less than A:VII or its equivalent against injury/death to persons or damage to property which may arise from or in connection with the activities hereunder of Contractor, its agents, employees or subcontractors:
 - A. Comprehensive or Commercial General Liability Insurance at least as broad as Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001), in an amount of \$1,000,000 per occurrence. If work involves explosive, underground or collapse risks, XCU must be included. If a general aggregate limit is used, either the general aggregate limit shall apply separately to this project or the general aggregate shall be twice the required occurrence limit. Said policy shall contain, or be endorsed with, the following provisions:
 - (1) The District, its officers, employees and agents, are covered as additional insured for liability arising out of the operations performed by or on behalf of Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the District, its officers, agents, and employees.
 - (2) The policy shall not be canceled or materially reduced in coverage without thirty (30) days prior written notice (10 days for non-payment of the premium) to DISTRICT by certified mail.
 - (3) The inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverage afforded shall apply as though separate policies had been issued to each insured, but the inclusion of more than one insured shall not operate to increase the limits of the insurer's liability.

- (4) For claims related to this project, the Contractor's insurance is primary coverage to the District, and any insurance or self-insurance programs maintained by the District are excess to Contractor's insurance and will not be called upon to contribute with it.
 - (5) Any failure to comply with reporting or other provisions of the parties, including breach of warranties, shall not affect coverage provided to District, its officers, employees, and agents.
 - (6) Additional co-insured, if required, are set forth in the special provisions of these specifications.
- B. Automobile liability insurance with coverage at least as broad as Insurance Services Office form CA 0001 06092, Code 1 (any auto), for vehicles used in the performance of this Agreement with minimum coverage of not less than \$1,000,000 per accident combined single limit (CSL). Such policy shall contain or be endorsed with the provision that coverage shall not be canceled or materially reduced in coverage without thirty (30) days prior written notice (10 days for non-payment of premium) to DISTRICT by certified mail.
- C. Workers' Compensation Insurance as required by the State of California, with Statutory Limits, and Employers' Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease, which policy shall contain or be endorsed to contain a waiver of subrogation against District, its officers, agents, and employees and provide for thirty (30) days prior written notice in the event of cancellation. If Contractor has no employees, Contractor may sign and file the following certification in lieu of insurance:

"I am aware of the provisions of the California Labor Code Section 3700 which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with provisions of that code before commencing with and during the performance of the work of this contract."
- D. Contractor shall furnish DISTRICT with certificates and original endorsements affecting the required coverage prior to execution of this Agreement by District. The endorsements shall be on forms as approved by the District or designee. Any deductible or self-insured retention over \$100,000 shall be disclosed to and approved by DISTRICT.

If Contractor does not keep all required policies in full force and effect, DISTRICT may, in addition to other remedies under this Agreement, take out the necessary insurance, and Contractor agrees to pay the cost of said insurance.

III. HOLD HARMLESS/INDEMNIFICATION CLAUSE

- A. Pursuant to Government Code Section 895.4, the parties to this Agreement shall indemnify, defend and hold harmless the other parties hereto and their officers, agents, and employees, from any and all claims, demands, losses, damages, and liabilities of any kind or nature, including attorney's fees, which arise by the virtue of its own acts or omissions (either directly or through or by its officers, agents or employees) in connection with its duties and obligations under this Agreement and any amendments hereto.
- B. Acceptance of insurance, if required by this Agreement, does not relieve Contractor from liability under this indemnification clause. This indemnification clause shall apply to all damages or claims for damages suffered by Contractor's operations regardless if any insurance is applicable or not.

SECTION II - SUPPLEMENTAL GENERAL CONDITIONS

SECTION II-1. SPECIFICATIONS AND PLANS

The work embraced herein shall be done in accordance with the 2023 State Standard Specifications, and the 2023 Standard Plans, of the Department of Transportation insofar as the same may apply and in accordance with the following special provisions.

In order to utilize the State Standard Specifications, some definitions must be clarified. Unless the context otherwise requires, wherever in the specifications and other contract documents the following abbreviations and terms, or pronouns in place of them, are used, the intent and meaning shall be interpreted as provided in this Section One and Section 1-1.06, "Abbreviations" of the State Standard Specifications. The Contractor's attention is directed to Section II-1.01, "Definitions and Terms." A special effort has been made to discuss all references to State, Director, and Engineer as they apply to this project. The Owner's position of responsibility in regards to the Standard Specifications will be considered the same as the State where the Owner acts as manager of construction and will own and operate the improvement.

In case of conflict between the State Standard Specifications and these special provisions, the special provisions shall take precedence over and be used in lieu of such conflicting portions.

II-1.01 DEFINITIONS AND TERMS

Contingency Allowance. Allowances are allocations of the Contract Amount to portions of the Work that could not be specified sufficiently for competitive bidding. Unused amounts remaining in the contingency allowance shall be credited to the Department by Change Order.

Department of Transportation. The Department of Public Works of the CALAVERAS PUBLIC UTILITY DISTRICT, State of California.

Director of Transportation. The District Manager of the CALAVERAS PUBLIC UTILITY DISTRICT, State of California.

Engineer. The District Engineer of the CALAVERAS PUBLIC UTILITY DISTRICT, State of California, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

Highway Facilities. All private and public property improvements, landscaping and facilities adjacent to and/or pertaining to the work.

Laboratory. The established laboratory of the Materials and Research Department of the Department of Transportation of the State of California or laboratories authorized by the Engineer to test materials and work involved in the contract.

Owner. CALAVERAS PUBLIC UTILITY DISTRICT.

State of California. CALAVERAS PUBLIC UTILITY DISTRICT.

Transportation Building, Sacramento. District Office, CALAVERAS PUBLIC UTILITY DISTRICT, State of California.

State Standard Specifications. The 2023 edition of the State Standard Specifications of the State of California, Department of Transportation. Any reference therein to the State of California or a State agency, office or officer shall be interpreted to refer to District or its corresponding agency, office or officer acting under this contract.

California Building Code. The 2022 edition of the California Building Code.

SECTION II-2. PROPOSAL REQUIREMENTS AND CONDITIONS

II-2.01 GENERAL

The bidder's attention is directed to the provisions in Section 2, "Bidding," of the State Standard Specifications and these special provisions for the requirements and conditions which he must observe in the preparation of the proposal form and the submission of the bid. Bidder shall possess a valid State of California Class A General Engineering Contractor's License.

The form of Bidder's Bond mentioned in the last paragraph in Section 2-1.34, "Bidder's Security," of the State Standard specifications will be found following the Proposal.

In conformance with Public Contract Code Section 7106, a Non-Collusion Affidavit is included in these specifications.

II-2.02 PROPOSAL

Proposals shall be made on the blank forms prepared by the Owner or duplicate copies thereof. All proposals shall be for the entire work and give the prices proposed, shall give all other information requested herein, and shall be signed by the bidder or his authorized representative, with his address. If the proposal is made by an individual, his name, signature and post office address must be shown; if made by a firm or partnership, the name and post office address of the firm or partnership and the signature of at least one of the general partners must be shown; if made by a corporation, the proposal shall show the name of the state under the laws of which the corporation is chartered, the name and post office address of the corporation, and the title of the person who signs on behalf of the corporation. If the proposal is made by the corporation, a certified copy of the bylaws or resolution of the board of directors of the corporation shall be furnished showing the authority of the officer signing the proposal to execute contracts on behalf of the corporation. No bidder may withdraw its bid for a period of 45 days after the bid opening date.

II-2.03 PROPOSAL GUARANTEE

Each proposal shall be accompanied by a certified or cashier's check or bid bond in the amount of ten percent (10%) of the total bid price payable to the Owner as a guarantee that the bidder, if bidder's proposal is accepted, will promptly execute the contract, secure payment of workers' compensation insurance and furnish a satisfactory faithful performance bond in the amount of one hundred percent (100%) of the total bid price and a labor and material bond in the amount of one hundred percent (100%) of the total bid price.

II-2.04 MAINTENANCE GUARANTEE

The Contractor shall guarantee the entire work constructed by Contractor under the Contract to be free of defects in materials and workmanship for a period of one (1) year following the date of acceptance of the work by the Owner. The Contractor shall make, at Contractor's own expense, any repairs or replacements made necessary by defects in materials and workmanship which become evident within said guarantee period. The Contractor shall indemnify and save harmless the Owner and the Engineer and officers, agents and employees of the Owner and the Engineer against and from all claims and liability arising from damage and injury due to said defects. The Contractor shall make all repairs and replacements promptly upon receipt of written order from the Engineer. Should Contractor fail to make the repairs and replacements promptly, the Owner shall cause the work to be done, and the Contractor and Contractor's surety shall be liable to the Owner for the cost of all such work.

Maintenance guarantee shall be a surety bond or other approved security which shall be delivered to the Owner prior to the date on which final payment is made. **Said security shall be in an approved form and executed by a surety company or companies satisfactory to the Owner in the amount of ten percent (10%) of the contract price or Five Thousand Dollars (\$5,000), whichever is greater.** Security shall remain in force for the duration of the guarantee period specified herein. In lieu of providing security as prescribed above, the Contractor may provide for the Faithful Performance Bond furnished under the Contract to remain in force until the expiration of said guarantee periods.

Specific guarantees for periods longer than one (1) year may be specified in the Special Conditions for specific equipment and materials.

II-2.05 IDENTIFICATION OF SUBCONTRACTORS

In accordance with Section 4104 of the California Government Code, each bidder, in his Bid, shall set forth:

1. The name, DIR registration number, and location of the place of business of each subcontractor who will perform work or labor, or render services to the contractor, in an amount in excess of one-half of one percent of the Contractor's total bid; and
2. The portion of the work which will be done by each such subcontractor.

In accordance with Section 4107 of the California Government Code, no Contractor whose bid is accepted shall, without consent of the OWNER, either:

1. Substitute any person as a subcontractor in place of the subcontractor designated in the original bid; or
2. Permit any such subcontract to be assigned or transferred, or allow it to be performed by anyone other than the original subcontractor listed in the bid; or
3. Sublet or subcontract any portion of the work in excess of one half of one percent of the Contractor's total bid as to which his original bid did not designate a subcontractor.

Labor Code Section 1720.9 defines the term "ready-mixed concrete" and specifies that the rate of pay shall be the current prevailing wage "for the geographical area in which the factory or batching plant is located" as determined by the Department of Industrial Relations. The statute also requires a written agreement between the party hauling or delivering ready-mixed concrete and the party that engaged its services. The agreement must specify compliance with the Prevailing Wage Law.

Section 1720.0 requires that the company hauling or delivering ready-mix concrete provide certified payroll records under Labor Code Section 1776(a) to the party that engaged its services and to the general contractor within five working days after the employee has been paid, accompanied by a written time record. The time record must be certified by each driver for the performance of job duties.

Penalties for failure to comply with the foregoing sections of the California Government Code are set forth in Section 4106, 4110, and 4111 of the Government Code.

II-2.06 MANDATORY PRE-BID CONFERENCE

Bidders are required to attend a mandatory pre-bid conference to be held:

DATE: July 14, 2026

TIME: 9:30 a.m.

LOCATION: District Office, 506 W. St. Charles St, San Andreas, California

Representatives of the District and District Engineer's office will be present to conduct a field review and answer all bidders' questions at that time.

The project will be administered by the District Engineer.

II-2.07 ADDENDA

Each proposal shall include specific acknowledgment in the space provided of receipt of all addenda issued during the bidding period. Failure to so acknowledge may result in the proposal being rejected as not responsive.

SECTION II-3. AWARD AND EXECUTION OF CONTRACT

II-3.01 GENERAL

The bidder's attention is directed to the provisions in Section 3, "Contract Award and Execution," of the State Standard Specifications and these special provisions. The award of contract, if it be awarded, will be made the lowest responsible bidder whose proposal complies with all the requirements prescribed herein. Basis of award will be the base bid. All provisions of these specifications shall apply to the additive alternates should they be added.

II-3.02 EXECUTION OF CONTRACT, AWARD OF CONTRACT

The District reserves the right to accept or reject any and all bids for a period of forty-five (45) days after the date of opening, and to waive any informality or irregularity in any bid. No bid can be withdrawn during such forty-five (45) day period.

Before a bid is considered for award, the District may, in addition to the Experience Qualifications form, require a bidder to submit a statement of facts and details as to its business, technical organization and financial resources and equipment available and to be used in performing the work. Additionally, the District may require evidence that the bidder has performed acceptable work of comparable magnitude and type. The District expressly reserves the right to reject any bid if it determines that the business and technical organization, equipment, financial and other resources or other experience of the bidder (including the bidder's subcontractors) is not sufficient to qualify bidder for the work bid upon and, therefore, justifies such rejection.

The award of the Contract, if awarded, will be to the lowest responsible responsive bidder whose bid complies with the requirements set forth herein and award thereto is in the best interest of the District. The issuance by the District of a notice to the successful bidder of the award of the contract (hereinafter "Notice of Award") shall be deemed the award of Contract.

The Contract agreement shall be executed by the successful bidder and returned, together with the contract bonds and evidence of insurance, within ten (10) calendar days after written notice of award of the Contract has been delivered. After execution by the Owner, a copy shall be returned to the Contractor.

II-3.03 RETURN OF PROPOSAL GUARANTEES

Within 45 days after bids are opened, the Owner will return the proposal guarantees accompanying the proposals which are not to be considered in making the award. All other proposal guarantees will be held until the Contract has been fully executed after which they will be returned to the respective bidders whose proposals they accompany.

SECTION II-4. BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES

II-4.01 BEGINNING OF WORK

Attention is directed to the provisions in Section 8-1.02, "Schedule," in Section 8-1.04, "Start of Job Site Activities," in Section 8-1.05, "Time," and in Section 8-1.10, "Liquidated Damages," of the State Standard Specifications and these special provisions.

The Contractor shall submit to the Engineer at the pre-construction conference, a complete schedule indicating all phases of the work and their start-up and completion dates. It shall be the responsibility of the Contractor to comply with the construction schedule and apprise the Engineer of any and all circumstances that require alteration to that schedule. The Engineer will require periodic updating of the schedule to insure timely and orderly completion of the project. It is the desire of the Owner to complete the project at its earliest possible time.

Should the Contractor fail to prosecute the work in compliance with the schedule of work or reasonable modifications thereto, due to avoidable delay, the Owner may terminate the work in accordance with Section 8 of the State Standard Specifications. The Contractor's attention is directed to Section 8-1.14, "Contract Termination."

The Contractor shall begin work within **ten (10)** calendar days after receipt of the Notice to Proceed.

II-4.02 TIME OF COMPLETION

Said work shall be diligently prosecuted to completion before the expiration of **Twenty-five (25) working days.**

Failure to provide a competent work force or diligently prosecute the work in accordance with the approved progress schedule shall be cause for temporary suspension of work or termination of the contract.

II-4.03 LIQUIDATED DAMAGES

The Contractor shall pay Owner liquidated damages pursuant to Section 8-1.10, "Liquidated Damages," of the State Standard Specifications for each and every calendar day after expiration of the **working days** plus any time extension approved by the Engineer.

SECTION II-5. GENERAL REQUIREMENTS

II-5.01 LABOR NONDISCRIMINATION

Attention is directed to the Miscellaneous Provisions of Section I and the following Notice that is required by Chapter 5 of Division 4 of Title 2, California Code of Regulations.

NOTICE OF REQUIREMENT FOR NONDISCRIMINATION PROGRAM (GOV. CODE, SECTION 12990)

Your attention is called to Section 7-1.02I(2), "Nondiscrimination," of the State Standard Specifications, which is applicable to all nonexempt state contracts and subcontracts, and to the "Standard California Nondiscrimination Construction Contract Specifications" set forth therein. The Specifications are applicable to all nonexempt state construction contracts and subcontracts of \$5,000 or more.

II-5.02 BLANK

II-5.03 PUBLIC SAFETY

The Contractor shall provide for the safety of traffic and the public in accordance with the provisions in Section 7-1.04, "Public Safety," of the State Standard Specifications and these special provisions.

II-5.04 SURFACE MINING AND RECLAMATION ACT

Attention is directed to the Surface Mining and Reclamation Act of 1975, commencing in Public Resources Code, Mining and Geology, Section 2710, which establishes regulations pertinent to surface mining operations.

Material from mining operations furnished for this project shall only come from permitted sites in compliance with the Surface Mining and Reclamation Act of 1975.

The requirements of this section shall apply to all materials furnished for the project, except for acquisition of materials in conformance with Section 4-1.04, "Use of Materials Found on the Job Site," of the State Standard Specifications.

II-5.05 REMOVAL OF ASBESTOS AND HAZARDOUS SUBSTANCES

When the presence of asbestos or hazardous substances are not shown on the plans or indicated in the specifications and the Contractor encounters materials which the Contractor reasonably believes to be asbestos or a hazardous substance as defined in Section 25914.1 of the Health and Safety Code, and the asbestos or hazardous substance has not been rendered harmless, the Contractor may continue

work in unaffected areas reasonably believed to be safe, and shall immediately cease work in the affected area and report the condition to the Engineer in writing.

In accordance with Section 25914.1 of the Health and Safety Code, all such removal of asbestos or hazardous substances including any exploratory work to identify and determine the extent of such asbestos or hazardous substance will be performed by separate contract.

Should compliance with this section delay the current controlling operation, as determined by the Engineer, the delay will be considered a right of way delay and the Contractor will be compensated for such delay as provided in Section 8-1.07, "Delays," of the State Standard Specifications.

II-5.06 SUBCONTRACTING

Attention is directed to the provisions in Section 5-1.13, "Subcontracting," of the State Standard Specifications and these special provisions.

No subcontract releases the Contractor from the contract or relieves the Contractor of their responsibility for a subcontractor's work.

If the Contractor violates Public Contract Code § 4100 et seq., the District may exercise the remedies provided under Public Contract Code § 4110. The District may refer the violation to the Contractors State License Board as provided under Public Contract Code § 4111.

The Contractor shall perform work equaling at least 30 percent of the value of the original total bid with the Contractor's own employees and equipment, owned or rented, with or without operators.

Each subcontract must:

1. Comply with the contract.
2. Have an active and valid State contractor's license with a classification appropriate for the work to be performed (Bus & Prof Code, § 7000 et seq.) and be registered with the Department of Industrial Relations.
3. Submit copies of subcontracts upon request by the Engineer.
4. Before subcontracted work starts, submit a Subcontracting Request form.
5. Do not use a debarred contractor; a current list of debarred contractors is available at the Department of Industrial Relations' Web site.

Upon request by the Engineer, immediately remove and not again use a subcontractor who fails to prosecute the work satisfactorily.

Pursuant to the provisions in Section 1777.1 of the Labor Code, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform

work as a subcontractor on a public works project. This list of debarred contractors is available from the Department of Industrial Relations web site at:

<http://www.dir.ca.gov/DLSE/Debar.html>.

II-5.07 PROMPT PROGRESS PAYMENT TO SUBCONTRACTORS

A prime contractor or subcontractor shall pay any subcontractor no later than 10 days of receipt of each progress payment in accordance with the provision in Section 7108.5 of the California Business and Professions Code concerning prompt payment to subcontractors. The 10 days is applicable unless a longer period is agreed to in writing.

Any delay or postponement of payment over 30 days may take place only for good cause and with the District's prior written approval. Any violation of Section 7108.5 shall subject the violating contractor or subcontractor to the penalties, sanction and other remedies of that section. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

II-5.08 PROMPT PAYMENT OF FUNDS WITHHELD TO SUBCONTRACTORS

The District shall hold retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the District, of the contract work, and pay retainage to the prime contractor based on these acceptances. The prime contractor, or subcontractor, shall return all monies withheld in retention from a subcontractor within 30 days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the agency. Federal law (49CFR26.29) requires that any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of this provision shall subject the violating prime contractor or subcontractor to the penalties, sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

II-5.09 PAYMENTS

Attention is directed to Section 9-1.16, "Progress Payments," and 9-1.17, "Payment After Contract Acceptance," of the State Standard Specifications and these special provisions.

No partial payment will be made for any materials on hand which are furnished but not incorporated in the work. Owner shall withhold five percent (5%) retention from all partial payments until 35 days after the Notice of Completion has been recorded by the Amador County Recorder, and all payments to subcontractors and suppliers have been made.

Substitution of security in lieu of retention as set forth in Section 22300 of the Public Contract Code is subject to legal counsel review and approval by the Board of Directors of the security proposed.

Attention is directed to Section III, "Special Provisions," of these specifications.

Contractor's attention is directed to Section II-5.10, "Claims," of these specifications.

II-5.10 CLAIMS

All claims shall be in conformance with Section 9-1.17D, "Final Payment and Claims" of the State Standard Specifications except that the **Board of Directors** will make the final determination of any claims which remain in dispute after completion of claim review by the District.

Upon final determination of all claims, the Engineer shall make and issue his final estimate in writing, and within 30 days thereafter the District will pay the entire sum, if any, found due thereon. Such final estimate shall be conclusive and binding against both parties to the contract on all questions relating to the work done and the compensation therefore.

II-5.11 CERTIFIED PAYROLL

All contractors will submit certified payrolls to the Owner's Representative within 7 days of the end of each weekly period. Other Labor Standards requirements for this project are set forth in this section of the specifications. **Payment will not be released until certified payrolls and labor standards certifications are current and complete.**

Section 1720.0 requires that the company hauling or delivering ready-mix concrete provide certified payroll records under Labor Code Section 1776(a) to the party that engaged its services and to the general contractor within five working days after the

employee has been paid, accompanied by a written time record. The time record must be certified by each driver for the performance of job duties.

No contractor or subcontractor may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code Section 1771.1(a)].

No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The prime contractor must post job site notices prescribed by regulations.

All contractors and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner (aka Division of Labor Standards Enforcement).

II-5.12 GENERAL PREVAILING WAGE RATES

Labor Code Section 1720.9 defines the term “ready-mixed concrete” and specifies that the rate of pay shall be the current prevailing wage “for the geographical area in which the factory or batching plant is located” as determined by the Department of Industrial Relations. The statute also requires a written agreement between the party hauling or delivering ready-mixed concrete and the party that engaged its services. The agreement must specify compliance with the Prevailing Wage Law.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in Calaveras County have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project are available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>.

SECTION II-6. (BLANK)

SECTION II-7. (BLANK)

SECTION II-8. (BLANK)

SECTION III SPECIAL PROVISIONS

SECTION III-1 GENERAL

III-1.01 STANDARD SPECIFICATIONS

The following Standard Specifications may be referred to herein:

American Association of State Highway Transportation Officials (AASHTO)
American Concrete Institute (ACI)
American Gas Association (AGA)
American Gear Manufacturers Association (AGMA)
Institute of Electrical and Electronic Engineers (IEEE)
American Institute of Steel Construction (AISC)
American Society of Testing and Materials (ASTM)
American Society of Civil Engineers (ASCE)
American Society of Heating, Refrigeration, and Air
Conditioning Engineers (ASHRAE)
American Society of Mechanical Engineers (ASME)
American Standard Association (ASA)
American Water Works Association (AWWA)
American Welding Society (AWS)
American Wood Preserves Association (AWPA)
Antifriction Bearing Manufacturers Association (AFBMA)
Diesel Engine Manufacturers Association (DEMA)
Edison Electrical Institute (EEI)
Federal Specifications (Fed. Spec.)
National Electric Code (NEC)
National Electrical Manufacturers Association (NEMA)
National Electric Safety Code (NESC)
National Lumber Manufacturers Association (NLMA)
Underwriters' Laboratories, Inc. (UL)
Uniform Building Code (UBC)
State Standard Specifications, State of California,
Department of Transportation (SSS)
State Standard Plans, State of California, Department of Transportation (SSP)
California Building Code (CBC)
California Electrical Code (CEC)
California Plumbing Code (CPC)

III-1.02 LOCATE AND PROTECT EXISTING UTILITIES

This item of work shall cover the location and protection of ALL existing utilities as required under Section 4215 of the Government Code as amended.

Contractor shall locate existing utilities and pothole designated areas for location and protection of existing underground facilities prior to start of other work within the project as necessary to coordinate and schedule work as approved by the Engineer.

Contractor shall conduct his operations to protect all existing utilities and shall contact the following underground alert systems for assistance:

Underground Service Alert (USA)	811
CPUD	(209) 754-9442

These alert systems may be of assistance in the location of underground utilities. Underground utilities are located in the work area. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL UTILITIES.

Contractor's attention is directed to Section 5-1.36, "Property and Facility Preservation," of the State Standard Specifications. Nothing in this Section III-1.02 shall relieve the Contractor of his responsibility set forth in said Section 5-1.36.

When existing facilities are damaged or interrupted by Contractor's activity, repair shall be conducted immediately at Contractor's expense. Contractor shall be liable for all costs associated with repair consistent with utility standards, any interruption in service, the cost of lost water, any fines associated with discharge of wastewater, storm water, or other hazardous materials, and or any fines imposed upon the agency resulting from activities of the Contractor.

Whenever the Contractor encounters any utility requiring protection, he shall take all actions necessary to protect those facilities from damage caused by his operation and shall be responsible for perpetual protection of those facilities through duration of the work.

Contractor shall be responsible to have utility representatives on site during the course of excavation in around any such facility to guarantee emergency shutoffs or other action can be taken in a timely manner. Contractor shall notify agency inspector when any work is conducted near existing utilities. Damage to facilities shall be immediately reported and all appropriate action taken to insure emergency shut off and repairs are accomplished in a timely manner.

Contractor shall provide, at all times, resources necessary to make or arrange for emergency repair in accordance with the regulations of the agency and utility impacted.

The contractor is alerted that all utilities may not be shown on the contract plans.

Full compensation for all labor, tools, equipment, equipment standby time, materials, and incidentals for doing all work in completing this item of work in accordance with the plans and specifications shall be included in the lump sum contract price paid for "Locate and Protect Existing Utilities," and no additional compensation will be allowed therefore. No right of delay compensation will be made for contractor's failure to coordinate with utilities in advance of the work.

III-1.03 PROTECTION OF EXISTING ROADWAY SURFACES

The Contractor shall protect all roadway surfaces and walkways during the course of work. All equipment working in the surfaced roadways shall be equipped with street pads. Damaged roadway surfaces, concrete walk, or existing improvements shall be repaired "at Contractor's expense" to the satisfaction of the Owner.

III-1.04 WORKING HOURS

The Contractor shall restrict his working hours from 7:00 A.M. to 5:00 P.M., Monday through Friday, unless otherwise approved by the Engineer. No work will be allowed on holidays or weekends except as authorized by the engineer.

III-1.05 ALIGNMENT AND GRADE CONTROL

The grade and alignment of work shall be maintained by conforming to the plans, typical sections, details, and as directed by the Engineer. The Engineer will be available daily to answer all questions regarding the work.

The horizontal alignment for the water line will be from construction staking provided by District for one time only. THE COST OF RE-STAKING SHALL BE BORNE BY THE CONTRACTOR.

The Contractor shall set such supplemental stakes and references as required for the accurate construction of the project. No work shall start until such time as the Engineer has had the opportunity to inspect such stakes.

Prior to any construction, the Contractor shall carefully examine the plans, site, and construction stakes. In the event the Contractor finds a discrepancy, he shall immediately notify the District Engineer in writing. No work shall commence prior to resolution of all discrepancies.

Full compensation for Alignment and Grade Control as set forth herein shall be included in the contract price paid for the various affected items of work, and no additional compensation or right of way delay claim will be allowed therefore.

III-1.06 SCHEDULE AND SEQUENCE OF OPERATION

The Contractor shall submit to the Engineer at the pre-construction conference, a complete schedule indicating all phases of the work and their start-up and completion dates. It shall be the responsibility of the Contractor to comply with the construction schedule and apprise the Engineer of any and all circumstances that require alteration to that schedule. The Engineer will require periodic updating of the schedule to insure timely and orderly completion of the project. It is the desire of the Owner to complete the project at its earliest possible time.

Contractor to provide seven day and 24-hour notices of work schedule and periods of interrupted service to all property owners and businesses affected by the work. Notification shall be by written notice door hangars or other approved method of notification. No interruption of service will be allowed without District Engineer approval. Contractor may be required to reschedule work to comply with specific business hours of operation.

Should the Contractor fail to prosecute the work in compliance with these specifications, the schedule of work or reasonable modifications thereto, due to avoidable delay, the Owner may terminate the work in accordance with Section 8 of the State Standard Specifications. The Contractor's attention is directed to Section 8-1.14, "Contract Termination."

III-1.07 SUBMITTAL & SHOP DRAWINGS

The Contractor shall provide complete shop drawings and/or manufacturer's data on **every** manufactured item to be incorporated in this project. All materials required for this project shall be submitted to the Engineer for approval prior to installation of the materials.

Submittal Procedure:

A. Submittals shall be made in triplicate at the **Contractor's** expense. Submittals shall include Safety Plans, Progress Schedule, Product Data, Shop Drawings, Samples, and Quality Assurance Control Data. ALL submittals shall be submitted prior to first pay request or within **fifteen (15)** calendar days after receipt of Notice to Proceed, whichever comes first unless otherwise approved by the Engineer. One copy of submittals will be returned to the Contractor.

B. Submittal data shall be presented in a clear, precise, and thorough manner. Photocopies are acceptable provided they are as good a quality as the original. The

Contractor shall clearly and boldly mark each copy with arrows or circles to identify pertinent products (highlighting is acceptable, provided it is done on all copies submitted). Inapplicable portions shall be marked out.

C. The data shown on the submittals shall be complete with respect to quantities, dimensions, profile sizes, connections, attachments, fasteners, specified performance and design criteria, materials, applicable standards (such as ASTM numbers), etc., and similar data to show the District the materials the Contractor proposes to provide and to enable the District to review the information. Submittals shall be identified and organized by specification section number. All submittals shall include all information requested by each specification section in order to determine compliance with plans and these specifications. No partial submittals will be accepted unless previously authorized by the District.

D. At the time of each submission, the Contractor shall provide the District with specific written notice of all variations, if any, that the submittal may have and the reasons therefore. This written notice shall be attached to the submittal transmittal form. If the District accepts deviation, it will be noted on its acceptance on the returned submittal.

E. Submittal coordination and verification is the responsibility of the CONTRACTOR.

F. Designation of Work "by others," if shown in submittals, shall mean that work shall be the responsibility of the Contractor rather than the Subcontractor or supplier who has prepared submittals.

G. After review by the District of each submittal, one copy of the submittal will be returned to Contractor with actions defined as follows:

1. NO EXCEPTIONS TAKEN - Accepted subject to its compatibility with future submittals and additional partial submittals for portions of the work not covered in this submittal. Does not constitute approval or deletion of specified or required items not shown on the submittal.

2. MAKE CORRECTIONS NOTED (NO RESUBMISSIONS REQUIRED) - Same as item 1 above, except that minor corrections as noted shall be made by Contractor.

3. REVISE AS NOTED AND RESUBMIT - Rejected because of major inconsistencies or errors that shall be resolved or corrected by the Contractor prior to subsequent review by District.

4. REJECTED - RESUBMIT - Submitted material does not conform to drawings and/or specifications in major respect, i.e.: wrong size, model, capacity, or material.

H. The Contractor shall make a complete and acceptable submittal at least by second submission. The District reserves the right to deduct monies from payments due to the Contractor to cover additional costs of review beyond the second submission. Incomplete or illegible submittals will be rejected and returned for resubmission without review.

I. The Engineer will make a favorable review of submittals or reject them within **five (5)** business days of receipt. After the District's review of submittals, the Contractor shall revise as noted and resubmit as required. The Contractor shall identify changes made on re-submittals.

J. The Contractor shall not perform any fabrication or work until submittal approval. The Contractor shall not extrapolate from submittals covering similar work.

K. The Contractor shall copy, conform, and distribute approved submittals in sufficient numbers for Contractor's files, Subcontractors, and vendors.

L. No substitutions will be considered after bid date except for: Non-availability of specified item due to strikes, lockouts, bankruptcy, discontinuance of production, proven shortage, or similar occurrences or when the Contractor pays the District a credit acceptable to the District and compensates the District for additional review time. Burden of proof of merit of requested substitution is on Contractor.

No compensation will be made for any manufactured item ordered prior to approval of the shop drawings. Submittals shall be made by the Contractor allowing ample time for review and distribution (ten working days) prior to beginning the work. No time extensions or delay compensation will be made for contractor's failure to submit shop drawings or materials for review in a timely manner.

III-1.08 MOBILIZATION

Mobilization shall conform to the provisions of Section 9-1.16D, "Mobilization," of the State Standard Specifications.

Mobilization shall include all preparatory work and operations, including but not limited to those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of all offices, buildings, and other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items of work.

When there is no bid item for mobilization, full compensation for mobilization in accordance with the plans and these specifications shall be included in the contract price paid for various items of work, and no additional compensation will be allowed

therefore. When mobilization is a contract item of work, compensation paid for mobilization cost prior to completion of all work shall not exceed ten percent (10%) of the total contract price.

III-1.09 CLEAN UP

During the progress of the work, the Contractor shall keep the entire job site in a clean and orderly manner. Spillage resulting from hauling operations along or across existing streets or roads shall be removed immediately. All gutters and roadside ditches shall be kept clean and free from obstructions. Any deviation from this practice shall have prior approval from the Engineer. The Contractor shall clean the entire work area each Friday prior to 4:00 P.M.

Before final acceptance of the work, the Contractor shall carefully clean up the work and premises, remove all temporary structures built by or for him, remove all surplus construction materials and rubbish of all kinds from the grounds which he has occupied and leave them in a neat condition. The Contractor shall grade shoulders, ditches, and drainage swale to comply with the plans and these specifications.

Full compensation for complying with this Section III-1.09 in accordance with the plans and these specifications and for working within the time frame set forth in the contract shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

III-1.10 WATER POLLUTION

The Contractor shall exercise every reasonable precaution and Best Management Practices (BMP's) to protect ditches, conduits and streams from pollution with fuels, oils, bitumens, chemicals, concrete, and other harmful materials which could be hazardous to aquatic life. The Contractor shall conduct and schedule his operations so as to prevent muddying and silting of said conduits or streams.

The Contractor shall ensure that all vehicles and equipment used are in good working order (no leaks) and drip pans or absorbent materials placed under vehicles and equipment when not in use. If maintenance or refueling of vehicles or equipment occurs on-site, an approved designated area and/or a secondary containment area, located away from drainage courses to prevent the runoff of storm water and the runoff of spills shall be utilized. The Contractor shall ensure that all construction areas are covered by a site-wide spill response plan and shall have proper spill cleanup materials (absorbent pads, sealed containers, booms, etc.) on site at all times to contain the movement of any spilled substances.

Nothing in the contract documents shall relieve the Contractor of the responsibility for compliance with Section 5650 and 12015, California Fish and Game Code, or

other applicable statutes relating to prevention or abatement of water pollution.

Erosion control features, where required, shall be constructed concurrently with other work and at the earliest practicable time. Care shall be exercised to preserve vegetation beyond the limits of construction. When borrow material is obtained from other than commercially operated sources, erosion of the borrow site during and after completion of the work shall not result in water pollution. The material source shall be constructed, where practicable, so that water will not collect or stand therein.

The requirements of this Section III-1.10 shall apply to all work performed under the Contract and to all non-commercially operated borrow or disposal sites used for this project.

The Contractor shall be completely responsible for compliance with all local, District, state, and federal regulations pertaining to water pollution and soil erosion including the payment of any fines or penalties imposed by any governmental agency as a result of work performed by the Contractor.

Full compensation for conforming to the requirements of this Section III-1.10 shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

III-1.11 SAFETY (SHEETING AND SHORING)

The Contractor shall follow construction procedures necessary to provide safe working conditions through all phases of the work. Said procedures shall conform to the Safety Orders, Division of Industrial Safety, Title 8, California Administrative Code.

The Contractor is solely responsible for outlining the safety procedures to be followed by his workmen. The Contractor shall provide for the safety of the public both day and night where they are exposed to the construction operation.

Neither the Owner, the Engineer, nor any representatives thereof shall be responsible for the procedures followed by the Contractor.

Excavation for any trench five feet (5') or more in depth shall not begin until the permit herein specified is obtained and the Engineer has reviewed the Contractor's detailed plan for worker protection from the hazards of caving ground during the excavation of such trench. Such plan shall be submitted at least five (5) days before the Contractor intends to begin excavation for the trench and shall show the details of the design of shoring, bracing, sloping, or other protection to be made for worker protection during such excavation. No such plans shall allow the use of shoring, sloping, or other protection to be less effective than that required by the

Construction Safety Orders of the Division of Industrial Safety. The plan shall be prepared and signed by an engineer who is registered as a civil or structural engineer in the State of California. The engineer who prepares the Contractor's shoring plans shall certify that the plans conform or exceed the Construction Safety Orders of the Division of Industrial Safety of the State of California. The Contractor shall procure an excavation permit from the Division of Industrial Safety in accordance with Section 1503 of Title 8, Chapter 4, Subchapter 4 of the California Administrative Code. Instructions or lack thereof from the Engineer or his representative shall in no way relieve the Contractor of his responsibility with regard to safety.

Full compensation for all sheeting, shoring, bracing, or sloping necessary for compliance with this section shall be included in the contract price paid for "Sheeting, Shoring, & Bracing", and no additional compensation will be allowed therefore.

III-1.12 MATERIALS SUPPLIED BY OWNER

Construction water will be supplied by Owner at locations approved by the District.

III-1.13 TRAFFIC CONTROL

Prior to the start of construction, Contractor shall submit site specific traffic control plans to the District.

The District will **NOT** provide or compensate the Contractor for flaggers.

Maintaining Traffic

Attention is directed to Sections 7-1.03, "Public Convenience," 7-1.04, "Public Safety," and Section 12, "Temporary Traffic Control," of the State Standard Specifications and these special provisions.

Lane closures shall conform to the provisions of "Traffic Control System for Lane Closure" of these special provisions.

The Contractor shall cooperate with local authorities relative to handling traffic through the work area and shall make his own arrangements to keep the working area clear of parked vehicles.

Whenever construction vehicles or equipment are parked on the shoulder within 6 feet of a traffic lane, the shoulder area shall be closed with fluorescent traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the pavement at 25-foot intervals to a point not less than 25 feet past the last vehicle or piece of equipment. A minimum of nine (9) cones or portable delineators shall be used for the taper. A C23 (Road Work

Ahead) or C24 (Shoulder Work Ahead) sign shall be mounted on a telescoping flag tree with flags. The flag tree shall be placed where directed by the Engineer.

Construction Area Signs

Construction area signs shall be furnished, installed, maintained, and removed when no longer required in accordance with the provisions in Section 12, "Temporary Traffic Control," of the State Standard Specifications and these special provisions. Construction area signs shall be located on the Traffic Control Plan.

Traffic Control System For Lane Closure

The provisions in this section will not relieve the Contractor from his responsibility to provide such additional devices or take such measures as may be necessary to comply with the provisions in Section 7-1.04, "Public Safety," of the State Standard Specifications.

Should any component in the traffic control system be displaced, ceases to operate or function as specified, from any cause, during the progress of the work, the Contractor shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

Full compensation for furnishing all labor (including flaggers), materials (including signs), tools, equipment, and incidentals, and for doing all work involved in preparing Traffic Control Plan, "Maintaining Traffic," "Construction Area Signs," "Traffic Control," shall be included in the lump sum contract price paid for "Traffic Control," and no additional compensation will be allowed therefore.

III-1.14 AS-BUILT PLANS

Contractor shall maintain, during the course of work, a clean and separate set of plans to mark thereon locations of all improvements associated with the work set forth herein. Special attention shall be given to location on the plans of existing utilities encountered during the course of work. All changes in work not set forth on the project plans shall be carefully noted and drawn to scale. Contractor shall coordinate with District Engineer weekly to corroborate on project plan deviations. After completion of work, and prior to final payment to contractor, a complete, legible, and clean set of project "as-built" plans shall be provided by the contractor for review and acceptance by District.

III-1.15 COMPENSATION

Full compensation for complying with this Section III-1 shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

SECTION III-2 SITE WORK

III-2.01 GENERAL

The Contractor shall, at all times, provide an adequate and professional work force that will act, at all times, in a proper, workmanlike manner in the diligent and timely prosecution of the work.

The provisions of this section apply to all site work associated with this project. The Contractor's attention is directed to Section III-1.

All construction equipment and materials except as authorized by the Engineer shall be removed from the work area, and all open excavations covered or protected at the end of each work day in accordance with the plans and these specifications. Contractor's equipment and construction materials shall be stored in staging areas approved by the District.

III-2.02 CLEARING AND GRUBBING

Clearing and grubbing shall conform to the requirements of Section 17-2, "Clearing and Grubbing," of the State Standard Specifications, except as modified or supplemented in these specifications. The Contractor's attention is directed to Section 14-9, "Air Quality," of the State Standard Specifications. Contractor's attention is directed to Section III-1.10, "Water Pollution" of these special provisions and Section 5-1.36, "Property and Facility Preservation," of the State Standard Specifications.

Clearing and grubbing debris and excavation material not incorporated into the work shall become the property of the Contractor and disposed of off-site.

The Contractor shall restrict his equipment and operations to the project limits or as designated in the field. Equipment shall not be operated or stored beyond clearing limits. Contractor shall make his own arrangements for equipment and material staging.

Should Contractor, during the course of work, uncover any cultural resource, work shall be suspended until a determination is made of the significance of such resource. Contractor shall "move" his operation to other portions of project until resumption of work is authorized by the Engineer. Contractor will be compensated for "move" cost approved by the Engineer. Suspension shall be in accordance with Sections 8-1.06, "Suspensions," and 8-1.07, "Delays," of the State Standard Specifications.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in clearing and grubbing including

removal and disposal of materials (concrete, asphalt concrete, aggregate base, piping, etc.); developing construction site access; and tree/plant protection in accordance with the plans and specifications and as directed by the Engineer shall be included in the contract price paid for various items of work, and no additional compensation will be allowed therefore.

III-2.03 LANDSCAPE PROTECTION

Contractor's attention is directed to Section 5-1.36E, "Landscape," of the State Standard Specifications. The Contractor shall protect existing trees and landscaping from damage caused by his operations. Yellow or orange protection fence netting shall be placed around designated trees and landscaping as directed by the Engineer. No equipment, materials, or other Contractor activity shall be conducted within protection fence limits.

Tree branches which obstruct the work area may be trimmed as set forth herein. Tree limbs to be trimmed shall be cut off at the tree trunk or main branch as directed. Trimmings shall be mulched and incorporated into erosion control work. Trees to be removed shall be cut, stumps excavated, and branches and trunks disposed of offsite at the Contractor's expense. The Engineer shall review and approve all tree trimming and tree removal required prior to the Contractor conducting any tree work. The specific number and location of all trees may not be shown on the plans. No tree or landscaping shall be removed without written authorization from the Engineer.

Where excavation is required within the drip line of the trees, the Contractor shall hand dig the excavation to locate roots. Previous backfill shall be placed around all root structures exposed by Contractor's operations. Roots shall be pruned as close to the trench excavation edge as possible with a Vermeer root cutter or approved equal. Trees shall be root pruned prior to equipment trenching operations. Cuts on tree roots 1-inch diameter or larger shall be treated with root sealer approved by District Engineer.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all work involved in tree trimming, removal and root pruning in accordance with the plans and specifications shall be included in the contract price paid for various items of work, and no additional compensation will be allowed therefore.

III-2.04 EROSION CONTROL

This work consists of placing and maintaining straw wattles adjacent to disturbed soil areas and seeding and strawing all disturbed soil areas out of the roadway. All work shall be in accordance with NPDES General Permit No. 2009-0009-DWQ and Section III-1.10, "Water Pollution," of these specifications.

The Contractor shall broadcast seed mixture over surface area of disturbed soil in accordance with these specifications. Broadcasting may be by hand or by hydro mulching.

Straw, at 2 tons per acre of disturbed soil areas, shall be scattered over seeded areas and pressed into the soil by means of a sheep's-foot roller, dozer track walk, or other similar equipment approved by the Engineer.

The seed mixture broadcast shall be Blando Brome, Annual Rye, or an acceptable equivalent at a rate of 5 lbs. per 1,000 s.f.

Full compensation for providing and maintaining erosion control throughout the duration of the contract in accordance with the plans and these specifications shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

SECTION III-3 WATER PIPELINES AND APPURTENANCES

III-3.01 GENERAL

Water pipeline work includes the construction of a pipeline in accordance with the plans and these specifications. All materials, workmanship and miscellaneous items pertaining to water pipelines shall be in accordance with applicable AWWA specifications, the plans, and these Special Provisions.

This work shall consist of performing all operations necessary to excavate earth and rock or other material, of whatever nature, including dewatering, regardless of character and subsurface conditions, necessary to excavate for the water pipeline; including backfill of depressions resulting from the removal of obstructions.

All pipe, couplings and fittings shall be marked with the manufacturer's name, nominal inside diameter, class or pressure rating. Piping material and class shall be as specified herein and as shown on the plans.

Access to pipeline work outside road rights of ways shall be at existing or prescribed access points only.

Pipeline trench & backfill requirements shall comply with the attached Geotechnical Report dated 6/29/26.

III-3.02 PIPING AND PLUMBING

All piping and plumbing shall be in accordance with the District Standards.

All 11.25°, 22.5° and 45° fittings shall have restrained joints.

Ductile iron pipe shall be cement lined and shall conform to the requirements of AWWA Specification C151. Cast iron fittings shall conform to and meet the requirements of AWWA Specification C110. Ductile iron pipe shall be Class 250. All Ductile Iron pipe shall have restrained joints and shall be TR Flex or Tyton Joint pipe with field lok gaskets or approved equal.

The contractor shall provide the manufacturer's statement that the required inspections and tests have been made and found in compliance with AWWA Specification C151. Pipe shall be marked "DI" or Ductile Iron in accordance with Section 51-10 of AWWA Specification C151.

All runs of nonmetallic water pipe shall have a No. 10 AWG solid, soft drawn copper wire Type UF insulation. The wire shall be continuous. All splices shall be at valve boxes. Wire shall be stubbed up inside each valve box.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, including sawcutting, pipe excavating, placing bedding and backfill material, installing facility markers, trench drainage piping, disposal of all removed materials by the Contractor, and for doing all work involved in installing waterline and appurtenances, in accordance with the plans and these specifications shall be included in the contract price paid per linear foot of "16-inch Diameter DIP Waterline", and no additional compensation will be allowed therefore.

III-3.03 PIPE LAYING

All pipe shall be laid true to line and grade as specified on the plans, or as directed by the Engineer. Before any length of pipe is laid, it shall be carefully inspected for defects. No pipe or other material which shows defect shall be placed. Pipes, valves and all fittings shall be new, clean and free of any foreign matter as they are laid.

No deflection will be permitted at joints where water pipe is joined to cast iron fittings or valves. Deflections up to a minimum of four degrees after assembly will be permitted when "Ringtite" couplings are used for sizes up to twelve inches (12"). Rubber ring joints shall be installed in complete compliance with the manufacturer's recommendations.

Where all non-ferrous pressure pipe is installed in the ground outside of buildings, a tracer wire shall be incorporated with the installation as specified herein.

Full compensation for installing pipe in accordance with the plans and these specifications, shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

III-3.04 TRENCHES AND BACKFILL

This work shall consist of performing all operations necessary to excavate earth and rock or other material, of whatever nature, including water, regardless of character and subsurface conditions, necessary to excavate trenches for pipes and appurtenances; to place backfill for structure, pipes and appurtenances and other facilities; to backfill trenches and depressions resulting from the removal of obstructions; to remove and replace unsuitable material; to construct protection dikes; to remove unstable material and slide material which may enter trenches; and to remove and dispose of offsite, all excess material, of whatever nature, resulting from trenching and backfilling operations. All such work shall be in conformance with the plans and these specifications or as directed by the Engineer. Typical trench details are shown on the plans.

Backfill material shall conform to the provisions in Section 19, "Earthwork," of the State Standard Specifications. Pervious backfill material required by the plans and these specifications shall be considered structure backfill and full compensation therefore shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

Where pipes are to be installed above original ground or in new embankment fills, the embankment shall first be constructed to the required height for a distance on each side of the pipeline location of not less than five feet (5'). Embankment shall have relative compaction of not less than ninety-five percent (95%). Upon completion and approval of the embankment the trench shall be excavated with the sides nearly vertical and the pipelines installed.

When a firm foundation is not encountered due to soft, spongy, or other unsuitable material, such material shall be removed to the limits directed by the Engineer, and the resulting excavation shall be backfilled with approved pervious backfill compacted to ninety percent (90%) relative compaction.

When removal of unsuitable material requires excavation to a depth greater than 12" below pipe flow line grade, the Engineer will determine the limits of the required excavation. Excavation limits shall be trench width for the length specified by the Engineer.

Ditches shall be kept clear for the purpose of handling road drainage. Drainage ways, walkways, and driveways shall be kept clear.

At the end of each working day, there shall be no open trench, unless otherwise permitted by the Engineer.

In connection with earthwork, all tests shall be made in conformance with the following requirements set forth in the State Standard Specifications:

<u>Tests</u>	<u>Test Method No</u>
Relative Compaction	Cal 216 & 231
Sand Equivalent	217
Resistance (R-value)	301
Sieve Analysis	202

Foreign material which falls into the trench prior to or during placement of the backfill shall be removed.

The trench widths set forth on the plans are minimum widths. Where excavation

greater than the specified widths is necessary for execution of the work, machine or hand excavation to a stabilized slope will be permitted provided one-way traffic can be maintained. Minimum trench width is the distance face-to-face of trench walls or inside face to inside face of sheeting should solid sheeting be used. Maximum trench widths from the bottom of the trench to the top of the pipe shall be limited to six inches (6") outside the specified minimum trench width, except with specific approval by the Engineer.

The Contractor shall furnish all materials and facilities required for trench excavation and shall make trenches and excavation dry throughout all pipe laying operations.

The location of underground utilities or other obstructions shall be determined by the Contractor sufficiently in advance of excavation so that pipe alignment can be confirmed or re-routed without delay. Contractor's attention is directed to Section III-1.02, "Locate and Protect Existing Utilities," of these Special Provisions.

Material for Class 1 and Class 2 Backfill shall be placed in uniform horizontal layers not exceeding one foot (1') in thickness before compaction and shall be brought up uniformly on all sides of the trench, structure or facility. When the Contractor can satisfactorily demonstrate to the Engineer an alternative method of placing the backfill so that all requirements, other than the layer thickness, are met, the Engineer will permit the Contractor to use the alternative method. Under no circumstance will the Contractor use the alternative method unless the Engineer's approval is obtained in writing. Material for Class 3 Backfill shall be placed in layers not to exceed one foot (1') in thickness before compaction.

Each layer of backfill shall be compacted to a relative compaction indicated for the backfill involved.

Backfill shall not be placed until the pipe or other facility has been inspected by the Engineer and approved for backfilling. The percentage composition by weight as determined by laboratory sieves shall conform to the following requirements:

Class 1 Backfill

<u>Sieve Sizes</u>	<u>% Passing Sieves*</u>
No. 4	90-100
No. 200	<5

*Gradations requirements may be waived with written approval from the Engineer.

"Crusher fines" are acceptable for Class 1 backfill. "Pervious backfill" shall be coarse or medium screenings in accordance with Section 37, "Bituminous Seals," of the State Standard Specifications or as otherwise approved by Engineer.

Class 2 Backfill

Class 2 Aggregate Base, 3/4" maximum, in accordance with Sections 26-1.02, 26-1.02B, 26-1.03 of the State Standard Specifications except that percentage of No. 200 material shall be 15-30% unless otherwise approved by the Engineer.

Class 3 Backfill

Material for Class 3 Backfill may consist of material from excavation free from rocks or lumps exceeding three inches (3") in greatest dimension, vegetable matter, and other unsatisfactory material. Backfill shall be compacted to the relative compaction shown on the plans or as set forth in these specifications.

Class 4 Backfill

Class 4 Backfill shall be cement-sand slurry comprised of aggregate, cement and water. The aggregate, cement and water shall be proportioned either by weight or volume. Cement used shall be 190 to 210 pounds for each cubic yard of material produced. The water content shall be sufficient to produce a fluid workable mix that will flow and can be pumped without segregation of the aggregate while being placed.

Materials shall be thoroughly machine mixed in a rotary drum mix truck and placed in the trench from a direct truck discharge unless otherwise approved.

Mixing shall continue until cement and water are thoroughly dispersed throughout the material. All mixed slurry shall be placed within one hour of the introduction of water and cement to the material.

Aggregate shall be commercial-quality concrete sand.

The Contractor may use Class 4 backfill, slurry backfill, at locations approved by the Engineer as an alternative to Class 1 backfill. Slurry backfill shall be placed to neat line trench walls using care to completely envelope the pipe in the backfill. Road surfacing will not be permitted until the Engineer is satisfied that the set is sufficient to support traffic but in no case prior to setting four (4) hours. The Contractor shall include in all items of work using slurry backfill the full cost of all labor and equipment to prevent traffic from crossing any trench with slurry backfill prior to setting.

The Contractor may use sufficient amounts of additives for speeding the set of slurry backfill in accordance with manufacturer's recommendations. No additive shall be used without prior approval of the Engineer as to type and amount.

Slurry backfill shall be placed in a uniform manner that prevents voids in, or segregation of the backfill and will not float the pipe.

Full compensation for complying with this section shall be included in the contract price paid for various items of work and no additional compensation will be allowed therefore.

Full compensation for Class 4 backfill placed as trench backfill or as a convenience to the Contractor shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

III-3.05 COMPACTION TESTING

The Owner will provide compaction tests at various locations during the work as directed by the Engineer. In the event of a test failure, the Contractor shall remove and recompact unacceptable backfill or fills in accordance with the plans and specifications.

THE COST OF RE-TESTING SHALL BE BORNE BY THE CONTRACTOR.

III-3.06 SERVICE CONNECTIONS

The Contractor shall place service lines from new water mains to existing meter boxes or service lines in accordance with the detail sheet and these specifications. All service line work shall terminate at water meter box with locking angle stops. Service line trench widths may be 12" in width. Backfill of service lines in roadways shall be with Class 2 or Class 4 backfill in accordance with these special provisions.

Service Line Connection Only

The Contractor shall terminate service lines at existing or proposed meter boxes. The Contractor shall place line size angle stops at the end of each service line as directed by the Engineer. Service lines shall be placed at the correct location and depth for connection to existing and proposed services.

Connection of service line to existing meters shall be by Contractor after line disinfection and testing has been approved by the Engineer.

Meter box and meter box lids shall be provided by the Contractor.

Service saddles shall be stainless steel, double stud, Ford, Mueller, Romac, or approved equal. Service lines shall be copper tube size (CTS), not less than 1" diameter, polyethylene tubing, Gold Label Plus or equal materials approved by District. Contractor shall place corporation stops at all service saddles. Corporation stops shall be Ford, Jones or equal. All tubing fittings shall be brass compression

with locking screw and stainless steel inserts as manufactured by Ford, Jones, or approved equal.

Water services shall conform to District Standard Details, the plans and these specifications. Service lines, valves, and fittings shall conform to ANSI/AWWA Specification C800-89.

Curb or angle stops shall be locking type as manufactured by Mueller Company, James Jones Company, or an approved equal. The Contractor shall use either curb or angle stops as required to connect to existing meter boxes. Yokes or branch pieces shall be brass and shall accommodate placement of two meters (double service) or one meter (single service) as shown on the plans. Yokes or branch pieces shall be Ford or Jones and shall be supplied and installed by the Contractor.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals including excavation, fittings, pipe bedding, backfill material and connecting to the existing water meter in accordance with the plans and specifications shall be included in the contract price paid per each "Connection to Existing Water Service," and no additional compensation will be allowed therefore.

III-3.07 BLOWOFF VALVES

A blowoff valve assembly is required at all low points.

Full compensation for providing and installing blowoff valves and valve boxes, risers, and all materials and labor required for complete and operational blowoff valves in accordance with the plans and these specifications shall be included in the contract price paid for each "Blowoff Valve," and no additional compensation will be allowed therefore.

III-3.08 GATE VALVES

Gate valves two inches (2") in diameter and larger shall be ductile iron, bronze mounted, double disc, parallel resilient seat, non-rising stem, stem "O" Ring Seals, open to the left, and conforming to the requirements of AWWA Standard C515. Buried valves shall have a two inch (2") square operating nut and all others shall be equipped with hand wheels. Gate valves shall be American Flow Control Series 2500, Mueller, or equal.

Full compensation for providing and installing gate valves and valve boxes, risers, and all materials and labor required for complete and operational valves in accordance with the plans and these specifications shall be included in the contract price paid for each "16-inch diameter Gate Valve," and no additional compensation will be allowed therefore.

III-3.09 VALVE BOXES

Valve boxes shall have a cast iron face and a cast iron traffic lid. Covers shall be marked "WATER" and shall have a loose fit in the box. Extensions shall be as furnished by the manufacturer. Valve boxes shall be installed in accordance with the typical detail and shall be Christy G-5 or equal. Valve boxes and risers shall be plumb and centered over the valve operating nut.

Full compensation for providing complete and in place valve boxes shall be included in the various items of work, and no additional compensation will be allowed therefore.

III-3.10 THRUST BLOCKS AND ANCHOR BLOCKS

All valves, cast iron fittings, and pipe directional changes shall be held in place by concrete thrust and anchor blocks. Thrust and anchor blocks shall consist of Class B concrete in accordance with Section 90 of the State Standard Specifications.

Thrust blocks shall be placed so that bolted fittings are exposed and accessible after placement. Concrete shall be stiff and placed well groomed against a firm excavated surface. All metal surfaces contacting concrete shall be wrapped with visquine or other approved wrap.

Full compensation for placing and providing all thrust blocks and anchor blocks as shown on the standard details, including all labor, materials, equipment, and incidentals, shall be included in the contract price paid for various items of work and no additional compensation will be allowed therefore.

III-3.11 CONNECTION TO EXISTING WATER MAINS

The Contractor shall make connections to the existing waterline as shown on the plans. The Contractor shall coordinate all work on the existing pipe with the District Engineer. The Contractor shall provide forty-eight (48) hour notification to the District Engineer, in writing prior to making any connection. Under no circumstances shall anyone other than a representative of the District open or close any valve in the District operated system.

Connection to existing mains shall be with flanged and mechanical joint fittings only. Existing waterline shall be out of service for no more than four (4) hours. All materials shall be at the site prior to interrupting water service.

No connections to existing water mains will be permitted on Fridays.

Full compensation for complying with the plans and the specifications shall be included in the contract price paid for each "Connection to Existing Main," and no additional compensation will be allowed therefore.

III-3.12 TESTING & DISINFECTION OF WATERLINES

All pressure piping shall be tested and chlorinated by the Contractor at his expense.

After the pipe has been installed and thirty-six (36) hours (for high early strength concrete; 7 days for Class B concrete) or more after placing all thrust blocks in the portion of the system to be pressure tested, the pipe shall be slowly filled with water and all air expelled from the pipe. After the pipe has been filled, it shall be allowed to set for a period of not less than twenty-four (24) hours. The pipe shall then be refilled to the original water level and subjected to a pressure of not less than 150 pounds per square inch or the service pressure plus 50 pounds, whichever is greater, measured at the lowest point in the line being tested. Such pressure shall be applied for a minimum period of two hours. Any part of the line which proves to be defective shall be replaced or repaired and retested. Retesting costs including inspector time shall be borne by the Contractor.

Following satisfactory pressure and leakage tests the system shall be chlorinated in accordance with the provisions of AWWA C601, "Disinfecting Water Mains". The Contractor shall install Chlorine (Cl_2) tablets during pipeline installation secured in place with Food Grade Permadox or approved equal. A negative coliform test meeting the requirements of the Health Department shall be made by a State approved bacteriological laboratory prior to connection to the District's water system and acceptance of work.

The Contractor shall install a temporary blowoff for flushing and testing the lines and provide a water truck for flushing purposes.

The maximum allowable leakage shall not exceed ten (10) gallons per inch of pipe diameter per mile of pipe per twenty-four (24) hours.

Full compensation for the cost of all testing and disinfection of waterlines, in accordance with these specifications, shall be included in the lump sum contract price paid for "Testing & Disinfection", and no additional compensation will be allowed therefore.

III-3.13 EXISTING PIPELINE ABANDONMENT

Existing water mains that are called out to be abandoned on the plans shall be cut and capped and abandoned in place at locations designated on the project plans.

Full compensation for furnishing all labor, materials, tools, equipment, and

incidentals, and for doing all work involved in abandoning the existing water mains, in accordance with the plans and these specifications shall be included in the lump sum contract price paid for "Pipeline Abandonment", and no additional compensation will be allowed therefore.

III-3.14 COMPENSATION

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, including testing, pipe excavating, placing bedding and backfill material, and for doing all work involved in installing waterline and appurtenances, disposal of all removed materials by the Contractor in accordance with the plans and these specifications shall be included in the contract price paid for the various items of work, and no additional compensation will be allowed therefore.

ATTACHMENTS

GEOTECHNICAL REPORT



Matt Ospital, P.E.
Principal
WGA Inc.
394 E. St. Charles Street
PO Box 251
San Andreas, CA 95249

June 29, 2026

Subject: Geotechnical Recommendations Letter
Highway 26 Water Line Replacement
Post Mile 23.64 - Rich Gulch, California

Dear Mr. Ospital:

Sierra Geotech DBE Inc. (Sierra Geotech) is pleased to provide these geotechnical recommendations letter for the proposed replacement of an existing water line located near Post Mile 23.64 along Highway 26 in Rich Gulch, California. We understand that WGA Inc. is the Prime Consultant for the project and Sierra Geotech has been retained as a subconsultant to provide geotechnical engineering input related to the proposed water line replacement section.

Project Understanding

Based on information provided and observations made during Sierra Geotech's site visit on Friday May 22, 2026, the project involves replacing an approximately 700-foot-long section of existing water line that has experienced repeated failures and leaks. The existing line is understood to have been constructed in the 1970s and is buried approximately 3 to 4 feet below existing ground surface. The proposed replacement line is understood to consist of an 16-inch ductile iron water line, installed at a similar depth and horizontally offset from the existing active line so that the existing line can remain in service during construction. After the new line is constructed and placed in service, the existing line is currently planned to be abandoned. The project area is located within a localized topographic low or bowl-shaped area where surface water runoff is not well developed. During the site visit, Sierra Geotech observed ponding and soft ground conditions in the area. We did not observe obvious evidence of slope movement, settlement, or seepage during our site visit, and traffic loading from Highway 26 is not considered a primary contributing factor based on our current understanding.

Scope and Limitations of This Letter

This letter is based on Sierra Geotech's site visit, available project information, and engineering judgment. No borings, test pits, potholes, geotechnical laboratory testing, forensic excavation, or pipe condition assessment were performed as part of this limited scope. Therefore, Sierra Geotech cannot confirm the exact cause of prior pipe cracking or failures. Actual subsurface conditions should be verified during construction by full-



time geotechnical observation of the exposed trench conditions, bedding, drainage improvements, backfill, and compaction activities. The recommendations provided herein are intended to address geotechnical aspects of the proposed water line replacement. Utility design, hydraulic design, pressure testing, leak testing, pipe restraint, pipe jointing, pipe material selection, corrosion protection, and other utility-specific design items should be addressed by WGA Inc. and/or the utility in accordance with applicable requirements.

Probable Contributing Factors to Existing Line Distress

Based on the available information and site observations, repeated repairs of the existing water line appear likely to be related to a combination of the age of the existing 1970s-era line, poor historical bedding/backfill conditions, soft ground, recurring wet conditions, and repeated disturbance associated with prior repair work. The bowl-shaped topography appears to contribute to ponding and soft ground conditions by concentrating surface runoff in the replacement area. Because no forensic excavation or pipe assessment was performed, these observations should be considered probable contributing factors rather than a definitive failure diagnosis.

Design and Construction Recommendations

- 1. Alignment and Existing Line Separation.** The new 16-inch ductile iron water line should be located as far as practical from the existing active line while maintaining a minimum horizontal separation of 6 feet. The existing active water line should be potholed and positively located before trench excavation begins so that the actual location of the line is known and the intended offset can be maintained. Care should be taken to avoid undermining or damaging the existing active line during construction. Temporary trench support, shoring, and protection measures should be designed and implemented by the contractor as part of its means and methods.
- 2. Full-Time Geotechnical Observation.** Sierra Geotech recommends full-time geotechnical observation during construction of the replacement section. At a minimum, observation should include exposed trench subgrade, removal of unsuitable material, geotextile placement, crushed-rock bedding and drainage material placement, pipe haunch support, trench backfill, compaction testing, and rough grading/drainage improvements. The purpose of full-time observation is to verify that the recommendations in this letter are implemented and to allow field adjustments if actual trench conditions differ from those anticipated.
- 3. Trench Dewatering and Stable Working Conditions.** The trench bottom should be kept dewatered and stable during construction. Geotextile, crushed rock, bedding, and pipe should not be placed into standing water, unstable mud, or pumping subgrade



conditions. If unstable or saturated conditions are encountered, the affected material should be removed and replaced as described below before pipe bedding is placed.

- 4. Over-Excavation of Unsuitable Subgrade.** Where soft, wet, pumping, organic, disturbed, or otherwise unsuitable subgrade is encountered below the pipe zone, the unsuitable material should be over-excavated at least 12 inches below the bottom of the proposed pipe bedding zone, or deeper if recommended by the geotechnical observer based on field conditions. The over-excavated area should be restored with compacted crushed rock or approved engineered bedding/stabilization material.
- 5. Geotextile Separation Fabric.** A nonwoven geotextile separation fabric should be installed continuously along the bottom and sides of the trench for the full length of the approximately 700-foot replacement section. After placement of the crushed-rock bedding/drainage envelope, the fabric should be wrapped over the top of the crushed-rock envelope before soil backfill is placed. The fabric should be overlapped in accordance with the manufacturer's recommendations and as approved by the geotechnical engineer. The purpose of the fabric is to reduce migration of fines into the crushed rock and to help maintain separation between the native soil and the drainage/bedding envelope. Prior to the placement of the fabric, the final subgrade must be approved by Sierra Geotech (or another geotechnical firm retained by WGA).
- 6. Crushed-Rock Bedding and Drainage Envelope.** The 16-inch ductile iron pipe should be supported within a continuous crushed-rock bedding and drainage envelope extending from the geotextile-lined trench bottom to at least 12 inches above the top of pipe. The crushed rock should consist of clean, durable, open-graded crushed rock, such as 3/4-inch clean crushed rock, or approved equivalent. The material should be free of clay, fines, organics, debris, and deleterious material.
- 7. Pipe Haunch Support.** Crushed rock should be carefully placed and worked into the pipe haunch areas by hand tools or other controlled methods to eliminate voids and provide uniform support beneath the lower sides of the pipe. Dumping rock directly over the pipe or relying only on loose placement should not be permitted. Trench width should be established by the contractor and pipe manufacturer; however, the trench must provide sufficient working room to place, work, and firmly seat bedding material beneath the pipe haunches and along the pipe barrel.
- 8. Mechanical Seating of Clean Crushed Rock.** Clean crushed rock used for bedding, stabilization, and drainage should be placed in controlled lifts and firmly seated with mechanical effort. Because clean open-graded crushed rock does not behave like soil



in a Proctor compaction test, acceptance should be based on visual observation of firm seating, stability under construction activity, and approval by the geotechnical observer, rather than ASTM D1557 relative compaction testing.

- 9. Crushed-Rock Drainage Path to Existing Culvert.** A crushed-rock drainage layer/path should be incorporated so that water collected within the crushed-rock trench envelope can drain by gravity toward the existing Highway 26 culvert. Based on the site information provided, the existing culvert is understood to be low enough to allow gravity drainage. The drainage path should be graded continuously toward the culvert and should not be allowed to dead-end within the trench area. The feasibility of gravity drainage to the existing culvert should be confirmed by WGA during final design based on surveyed elevations. The drainage path should have a continuous positive gradient to a suitable outlet and should include appropriate outlet protection to reduce erosion, soil piping, or blockage.
- 10. Pipe Installation.** Pipe installation, trench width, jointing, restraint, testing, and appurtenances should conform to the pipe manufacturer's recommendations, utility requirements, and applicable AWWA/ANSI standards. Given the wet ground conditions, WGA and/or the District should evaluate corrosion protection requirements, including soil corrosivity, polyethylene encasement, coatings, and other utility-standard corrosion control measures. Thrust restraint, restrained-joint lengths, thrust blocks, tie-in details, valves, fittings, and pressure testing should be designed by others, if applicable.
- 11. Reuse of Native Soil.** Wet, soft, saturated, organic, debris-laden, or otherwise unsuitable excavated native soil should not be reused as trench backfill unless it is dried, moisture-conditioned, processed, and approved by Sierra Geotech during construction. If excavated native soil cannot be conditioned to meet the recommendations in this letter, imported engineered fill should be used for trench backfill above the crushed-rock envelope.
- 12. Trench Backfill and Compaction.** Trench backfill above the crushed-rock envelope should be placed in loose lifts not exceeding 8 inches before compaction, unless otherwise approved by Sierra Geotech based on the material and compaction equipment. Backfill should be compacted to at least 90 percent relative compaction based on ASTM D1557. Within the upper 12 inches below finished grade, paved areas, shoulder areas, or other traffic-influenced areas, backfill should be compacted to at least 95 percent relative compaction based on ASTM D1557.



13. Removal of Existing Abandoned Pipe. From a geotechnical standpoint, removal of the existing abandoned pipe within the approximately 700-foot replacement section is the preferred approach after the new line is active. Removal is preferred because the existing pipe, if abandoned in place, could act as a preferential subsurface water pathway, particularly if the pipe is cracked, jointed, partially open, or poorly plugged. The removal trench should be backfilled with engineered fill compacted to at least 90 percent relative compaction based on ASTM D1557, with 95 percent relative compaction in the upper 12 inches where applicable.

14. Alternate Existing Pipe Abandonment Approach. If WGA or the utility determines that removal of the existing pipe is impractical, the abandoned pipe should be fully grouted, filled, capped, or otherwise sealed in accordance with WGA/utility requirements so that it does not remain as an open conduit for water migration. Simply leaving an empty abandoned pipe in place is not recommended from a geotechnical standpoint.

Construction Verification

Because no subsurface exploration was performed for this limited letter, construction-phase verification is a critical part of the recommendations. The exposed trench bottom, over-excavation limits, geotextile placement, crushed-rock envelope, drainage path, unsuitable material removal, imported fill, and compaction should be observed and documented by Sierra Geotech during construction. If conditions encountered in the trench differ from those anticipated in this letter, the recommendations should be modified in the field by the geotechnical engineer or authorized Sierra Geotech representative.

Closing

Sierra Geotech appreciates the opportunity to provide geotechnical engineering recommendations for this project. Please contact us if you have questions or if additional geotechnical input is needed during design or construction.

Sincerely,



Shaun Vemuri, P.E.

California Civil Engineer No. CE 87196

Sierra Geotech DBE Inc.



ATTACHMENT A
IMPORTANT INFORMATION REGARDING THE
GEOTECHNICAL RECOMMENDATIONS LETTER

Highway 26 Water Line Replacement | Post Mile 23.64 | Rich Gulch, California

This attachment is intended to accompany Sierra Geotech's geotechnical recommendations letter dated June 29, 2026 for the Highway 26 Water Line Replacement at Post Mile 23.64 in Rich Gulch, California. The letter and this attachment were prepared for WGA Inc. and the project owner for this specific project and should not be applied to any other site, alignment, utility, or construction condition without written review by Sierra Geotech.

The recommendations in the letter are based on Sierra Geotech's site visit and professional engineering judgment. Sierra Geotech did not perform borings, test pits, laboratory testing, forensic excavation, pipe condition assessment, or other subsurface exploration for this limited-scope effort. Because subsurface conditions can vary materially over short distances, actual trench conditions may differ from those anticipated in the letter.

The recommendations are confirmation-dependent. This means they should be verified and, if necessary, adjusted based on actual conditions exposed during construction. Full-time geotechnical observation during trench excavation, subgrade evaluation, unsuitable material removal, geotextile placement, crushed-rock bedding and drainage placement, backfill placement, moisture conditioning, and compaction is an important part of implementing the recommendations. If Sierra Geotech is not retained to observe these work items, Sierra Geotech cannot confirm that the recommendations were implemented as intended.

The letter should be read in full and should not be separated from this attachment. Isolated excerpts may be misleading if used without the related limitations, assumptions, and construction observation requirements. Sierra Geotech should be notified promptly of changes in pipe alignment, depth, material, drainage concept, grading, abandonment approach for the existing line, construction sequence, or other conditions that could affect geotechnical performance.

The contractor remains responsible for construction means, methods, sequencing, trench safety, shoring, dewatering, worker protection, and compliance with applicable laws and regulations. This geotechnical letter does not address environmental contamination, hazardous materials, utility design, pressure testing, leak testing, or other non-geotechnical matters. If unexpected soil, groundwater, utility, environmental, or unstable trench conditions are encountered, Sierra Geotech should be contacted before continuing affected work so that appropriate recommendations can be provided.

Questions regarding the letter or this attachment should be directed to Sierra Geotech.

Site Overview Photo



IMPROVEMENT PLANS

CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH

WATERLINE IMPROVEMENT PROJECT

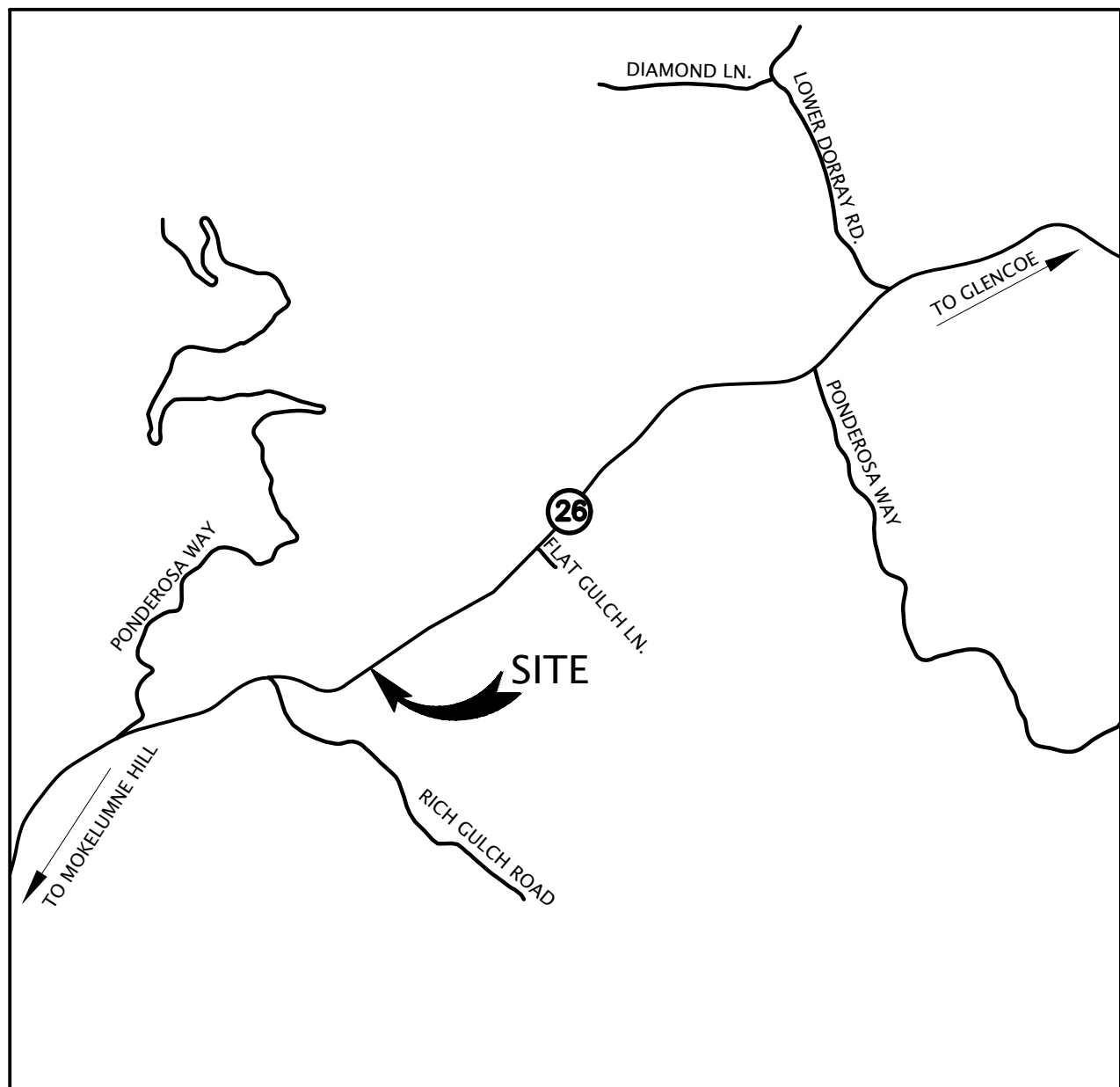
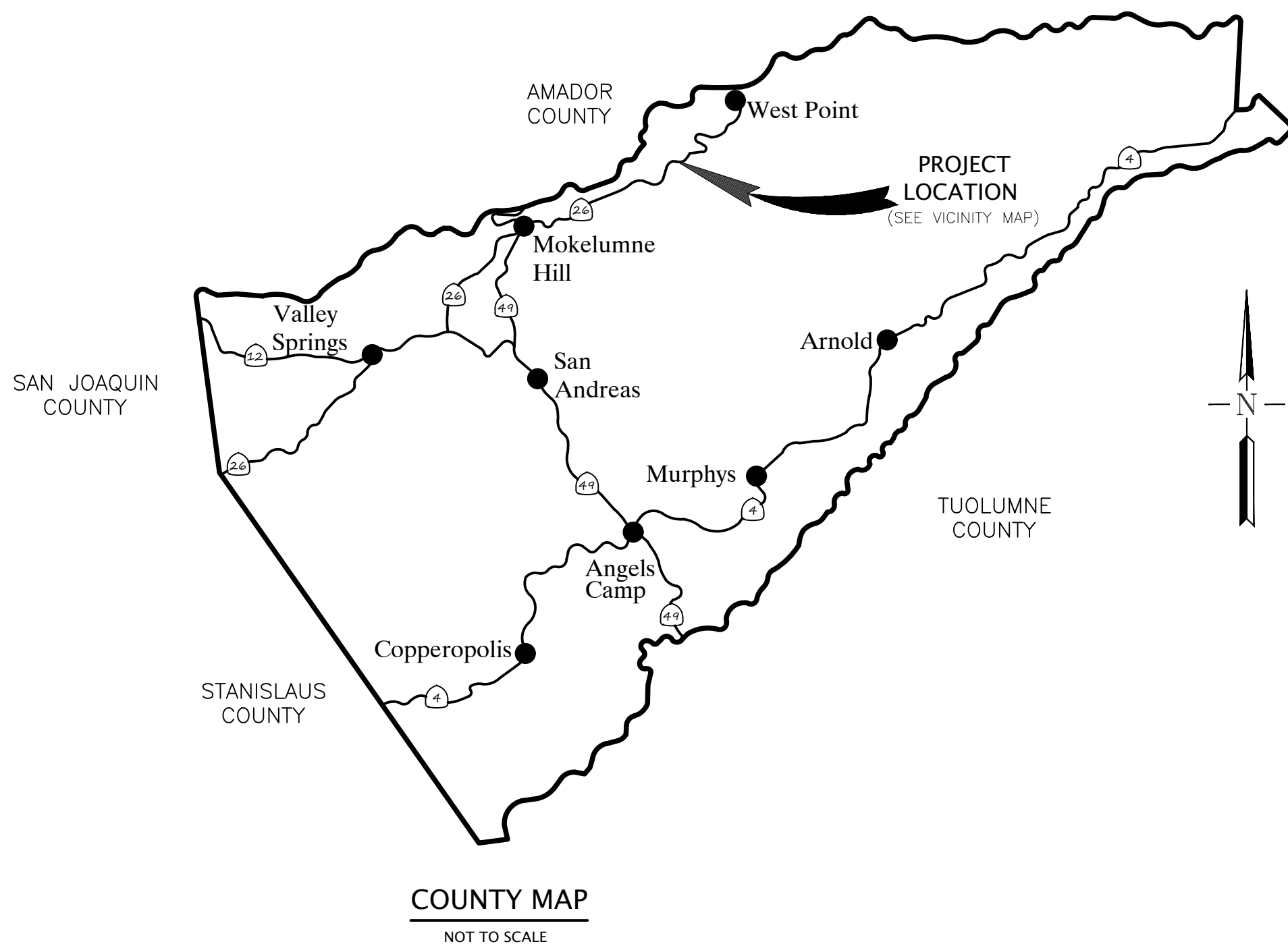
HIGHWAY 26 MOKELUMNE HILL

CALAVERAS COUNTY, CA

JUNE 2026

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND FACILITIES AFFECTED BY THE WORK AND SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) AT LEAST (2) WORKING DAYS PRIOR TO ANY EXCAVATION WORK FOR IDENTIFICATION AND LOCATION OF UNDERGROUND UTILITIES (PHONE # 811).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL FACILITIES PRIOR TO ANY EXCAVATION.
- EXCAVATION FOR ANY TRENCH FIVE FEET (5') OR MORE IN DEPTH SHALL NOT BEGIN UNTIL A SHORING PLAN IS APPROVED BY THE DISTRICT ENGINEER. THE DETAILED PLAN SHALL INCLUDE WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH, AND SHALL BE PREPARED AND SIGNED BY A REGISTERED CIVIL ENGINEER.
- NO TRENCH IS ALLOWED TO REMAIN OPEN AFTER THE END OF THE WORK DAY. CONTRACTOR SHALL ONLY EXCAVATE WHAT CAN BE INSTALLED AND BACKFILLED BY THE END OF THE WORK DAY. STEEL TRENCH PLATES MAY BE USED TO COVER TRENCH. TRENCH PLATES USED FOR THE HIGHWAY CROSSINGS SHALL BE SKID RESISTANT.
- CONNECTIONS TO EXISTING WATER FACILITIES SHALL HAVE PRIOR APPROVAL AND BE DONE IN ACCORDANCE WITH THE WATER DISTRICT TIE-IN PROCEDURES, PLANS, AND SPECIFICATIONS.
- THE CONTRACTOR SHALL HAVE A COPY OF THE DISTRICT APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS ON SITE. SPECIFICATIONS, SPECIFIC NOTES, AND DETAIL DRAWINGS THEREON TAKE PRECEDENCE OVER GENERAL DRAWINGS AND PLANS UNLESS OTHERWISE DIRECTED BY THE DISTRICT ENGINEER. ANY DEVIATION FROM APPROVED PLANS DURING CONSTRUCTION WILL REQUIRE PRIOR WRITTEN NOTICE TO THE WATER DISTRICT AND OTHER APPROPRIATE PUBLIC AGENCIES, AND SHALL RECEIVE APPROVAL BY CALAVERAS COUNTY WATER DISTRICT.
- ONLY CALAVERAS COUNTY WATER DISTRICT PERSONNEL SHALL OPERATE EXISTING FACILITIES.
- PIPELINES SHALL BE DISINFECTED, TESTED, AND INSTALLED IN ACCORDANCE WITH CALAVERAS COUNTY WATER DISTRICT STANDARDS.
- ANY CHANGES THAT ARE DONE IN THE FIELD THAT DEVIATE FROM THE PLANS NEED TO BE SHOWN IN THE "AS-BUILTS" AND COPIES SHALL BE GIVEN TO THE DISTRICT AFTER THE PROJECT IS COMPLETED. THE CONTRACTOR IS RESPONSIBLE TO KEEP A RECORD OF WHAT CHANGES ARE DONE AND SUBMIT THESE CHANGES TO THE ENGINEERING CONSULTANT, WEBER, GHIO AND ASSOCIATES INC., SO THEY CAN BE INCORPORATED INTO THE PLANS IN THE FORM OF "AS-BUILTS".
- GEOTECHNICAL RECOMMENDATIONS, SEE LETTER DATED JUNE 29, 2026, PREPARED BY SIERRA GEOTECH DBE, INC. IS INCORPORATED INTO THIS PLAN SET BY REFERENCE. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL APPLICABLE RECOMMENDATIONS CONTAINED IN THAT LETTER.



ABBREVIATION / SYMBOLS LEGEND:

(E)	(E)
(P)	(P)
EP	EDGE PAVEMENT
BOV	(E) BLOW OFF VALVE
CMP	CORRUGATED METAL PIPE
(D.I.P.)	DUCTILE IRON PIPE
□	(E) WM, EXISTING WATER METER
⊗	(E) FH, EXISTING FIRE HYDRANT
●	(E) PP, (EXISTING POWER POLE)
○	(E) CONCRETE WATER VAULT
○	(E) WV, EXISTING WATER VALVE
⊗	(P.O.C.), POINT OF CONNECTION

LINETYPE LEGEND:

— — — — —	PROPERTY LINE
- - - - -	EP, EDGE PAVEMENT
- - - - -	P.U.E., PUBLIC UTILITY EASEMENT
— X — X —	(E) FENCE
— W —	(P) WATER
— [] —	(E) SD, STORM DRAIN
— W —	(E) W, WATER MAIN
— T — T —	(E) TELEPHONE

SHEET INDEX:

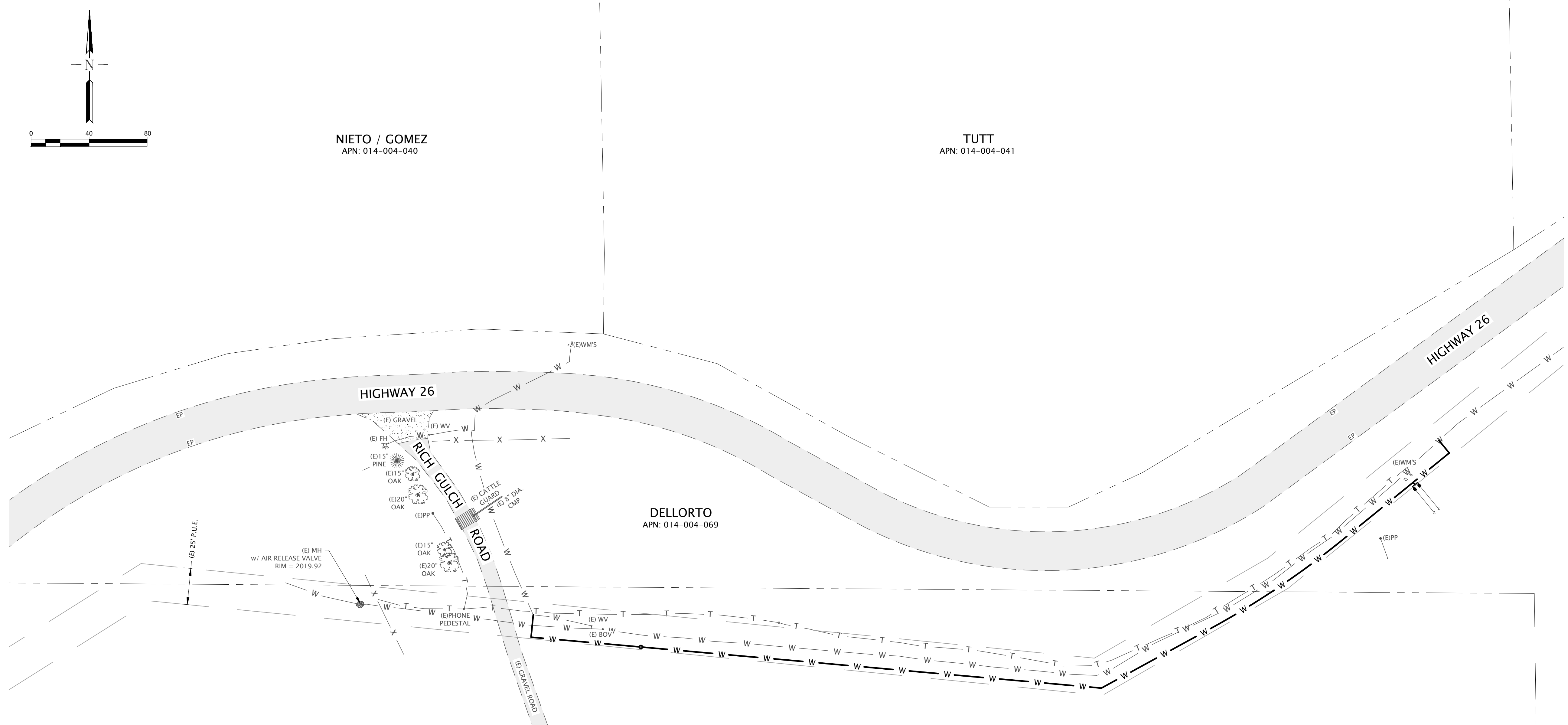
C1	COVER SHEET
C2	OVERALL SITE UTILITY PLAN
C3	UTILITY PLAN AND PROFILE, STA: 10+00 TO STA: 13+50
C4	UTILITY PLAN AND PROFILE, STA: 13+50 TO STA: 17+00
C5	DETAIL SHEET
C6	DETAIL SHEET

REVISIONS		REV. DATE	BY
REV. No.	DESCRIPTION		
1			
2			
3			
4			
5			

WGA
ENGINEERING & SURVEYING
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT
HIGHWAY 26
MOKELUMNE HILL
CALAVERAS COUNTY
CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN GRIFFIN
No. 76594
STATE OF CALIFORNIA
PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO
C1
SHT. 1 of SHT. 7



OVERALL UTILITY PLAN

HATCH LEGEND:	
	(E) ASPHALT CONCRETE
	(E) GRAVEL ROAD

REVISIONS	
REV. No.	DESCRIPTION
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

WGA
ENGINEERING & SURVEYING
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

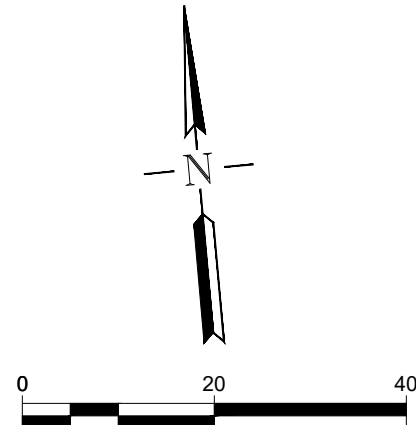
RICH GULCH
WATERLINE IMPROVEMENT PROJECT
HIGHWAY 26
MOKELUMNE HILL
CALAVERAS COUNTY CALIFORNIA

PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO
C2
SHT. 2 of SHT. 7

NIETO / GOMEZ
APN: 014-004-040

CONSTRUCTION NOTES:

1. THE EXISTING WATER LINE SHALL BE KEPT IN OPERATION DURING CONSTRUCTION AND INSTALLATION OF THE NEW 16" DIA. (D.I.P.) WATER LINE.
2. ONCE THE NEW WATER LINE HAS BEEN INSTALLED AND IS IN OPERATION, CONTRACTOR SHALL CUT AND CAP THE EXISTING WATER LINE TO BE ABANDONED AND POUR THRUST BLOCKS WHERE REQUIRED,



TUTT
APN: 014-004-041

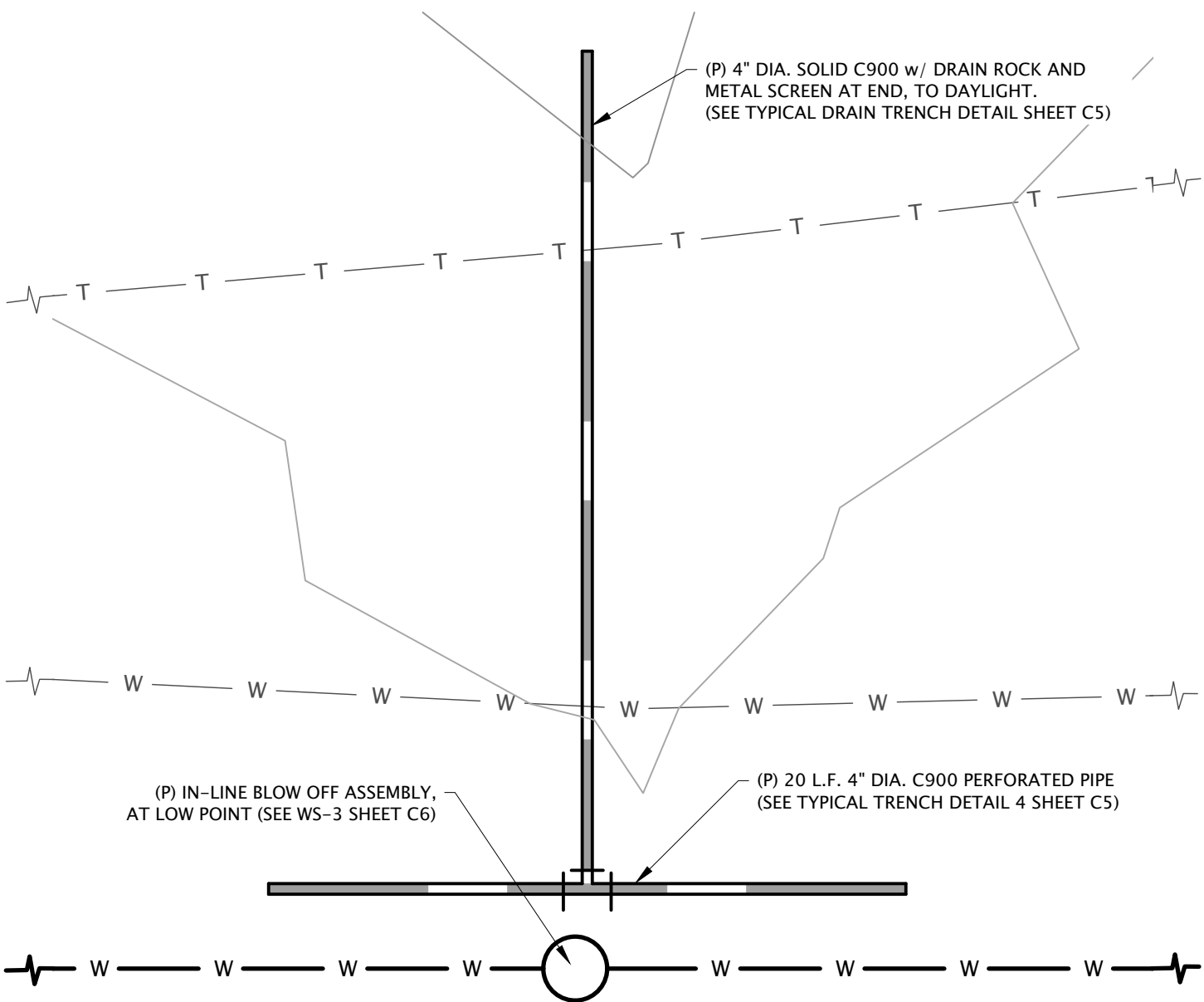
DELLORTO
APN: 014-004-069

HIGHWAY 26

SEE ENLARGED
DRAIN PLAN BELOW

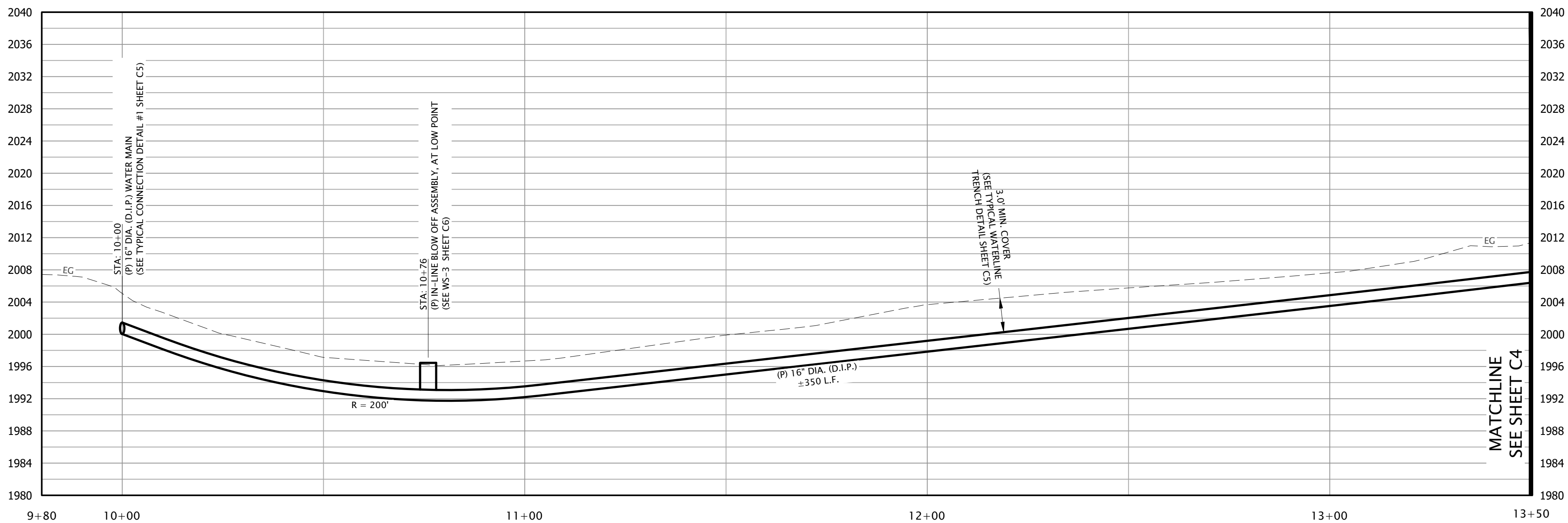
DELLORTO
APN: 014-004-047

MATCHLINE SEE SHEET C4



ENLARGED DRAIN PLAN

SCALE: 1" = 5'



PLAN AND PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 10'

REVISIONS		REV. DATE	BY
REV. No.	DESCRIPTION		
1			
2			
3			
4			
5			
6			

WGA
ENGINEERING & SURVEYING

394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT

HIGHWAY 26
MOKELUMNE HILL

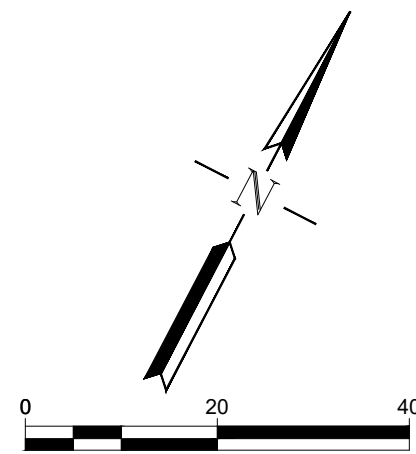
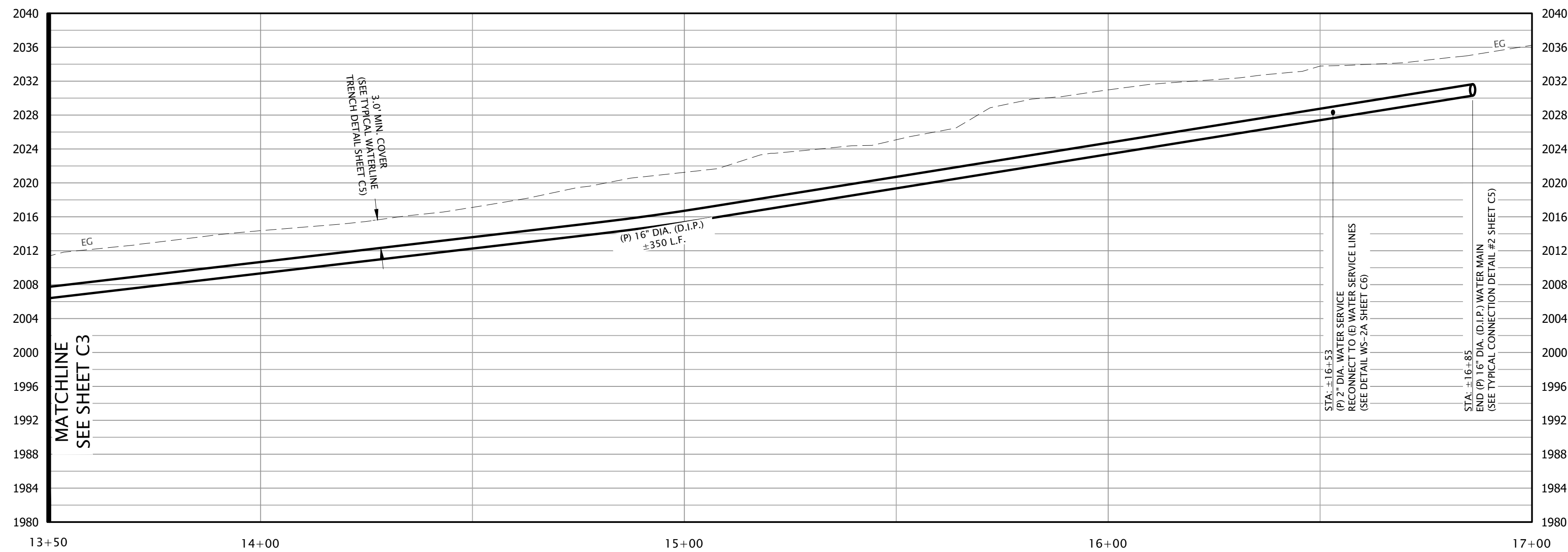
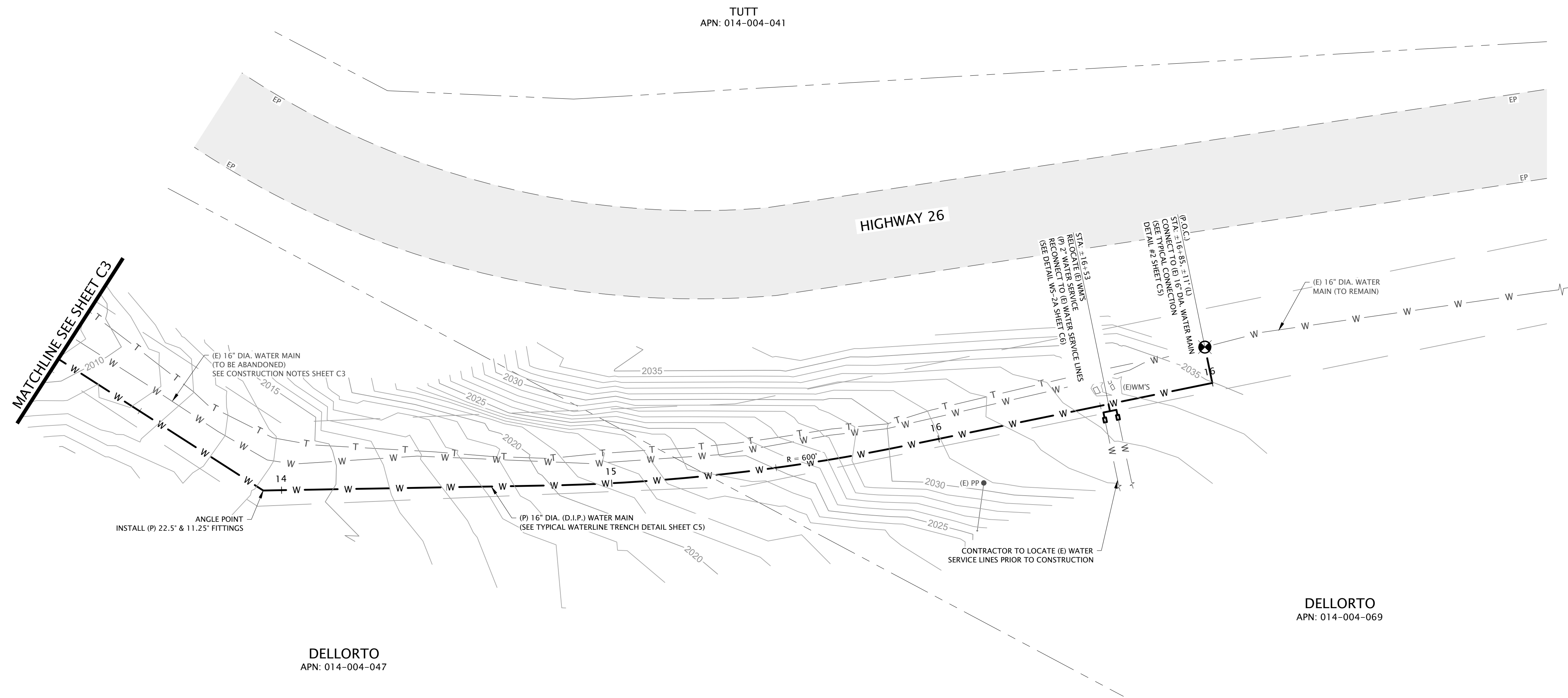
CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN GOSPEL
No. 76594
STATE OF CALIFORNIA

PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C3

SHT. 3 of SHT. 7



REVISIONS	
REV. No.	DESCRIPTION
1	BY
2	REV. DATE
3	
4	
5	
6	
7	
8	
9	
10	

WGA
ENGINEERING & SURVEYING

394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT

HIGHWAY 26
MOKELUMNE HILL

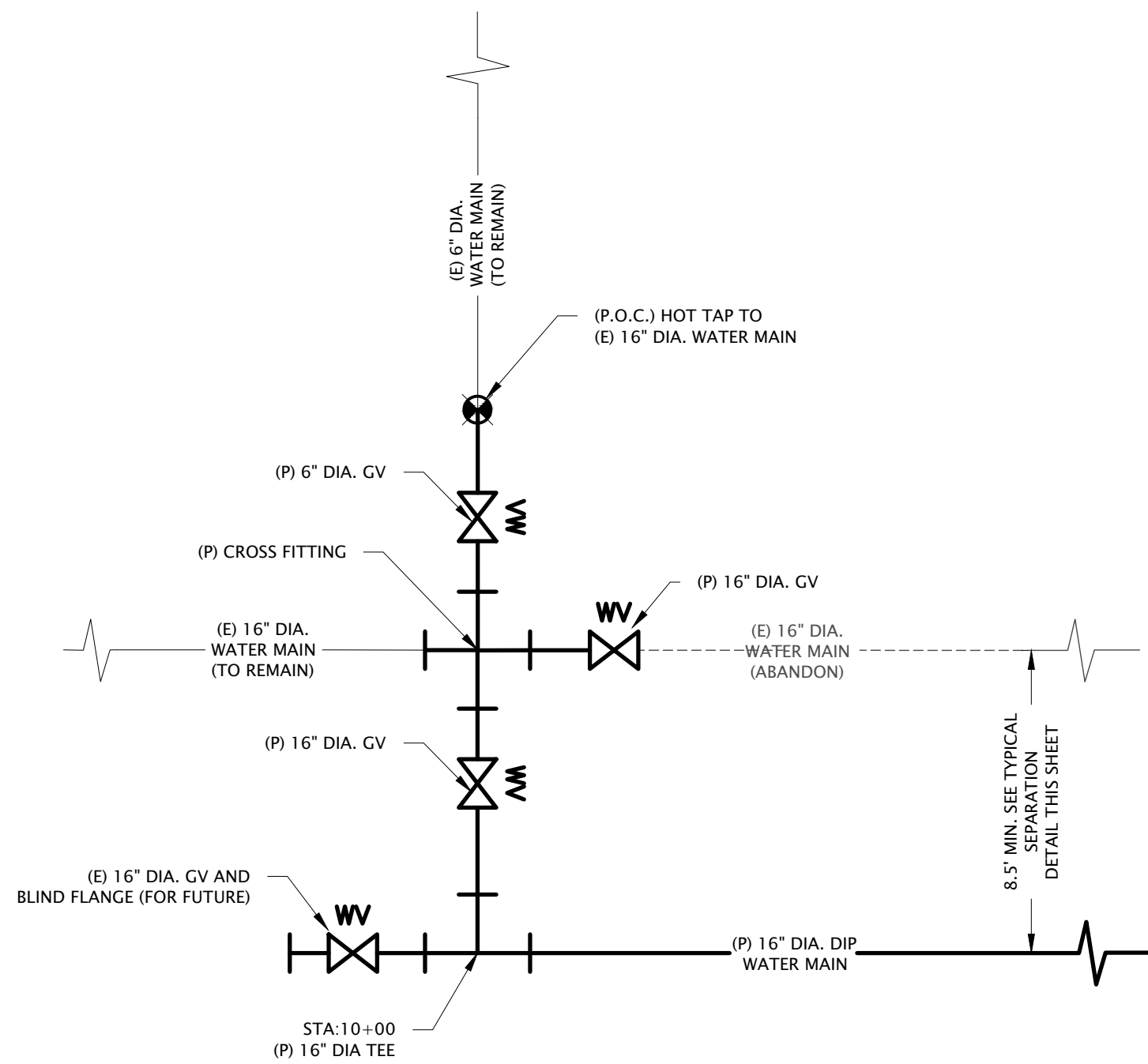
CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN GOSPEL
No. 76594
CIVIL
STATE OF CALIFORNIA

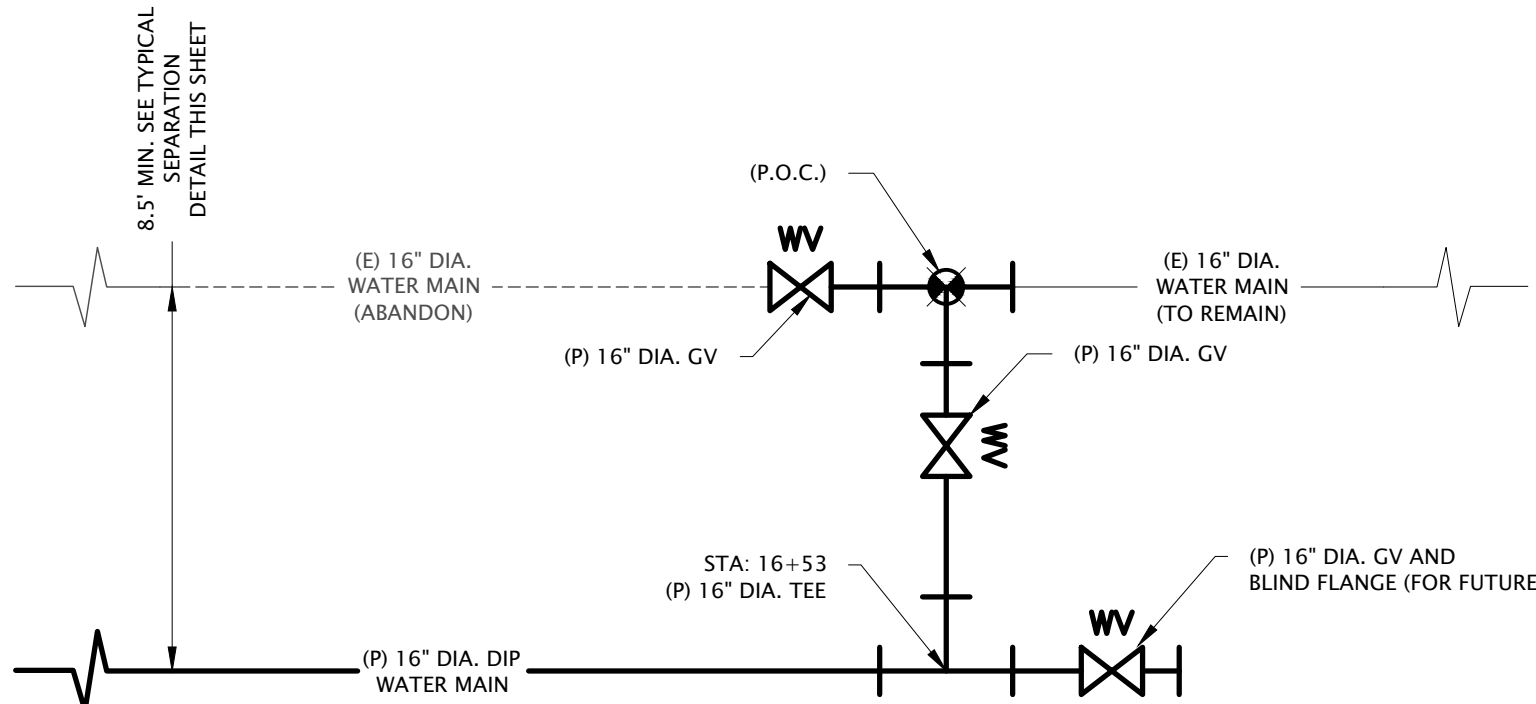
PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C4

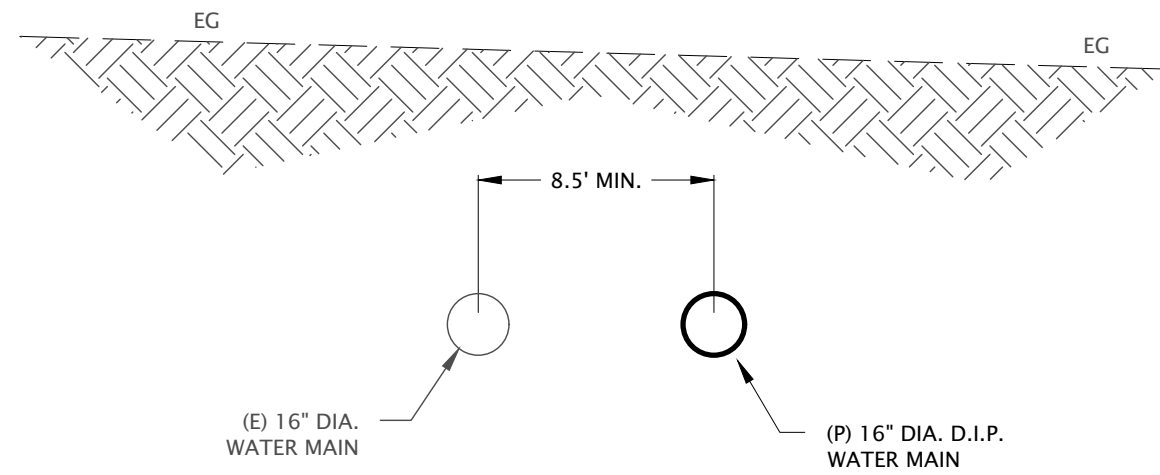
SHT. 4 of SHT. 7



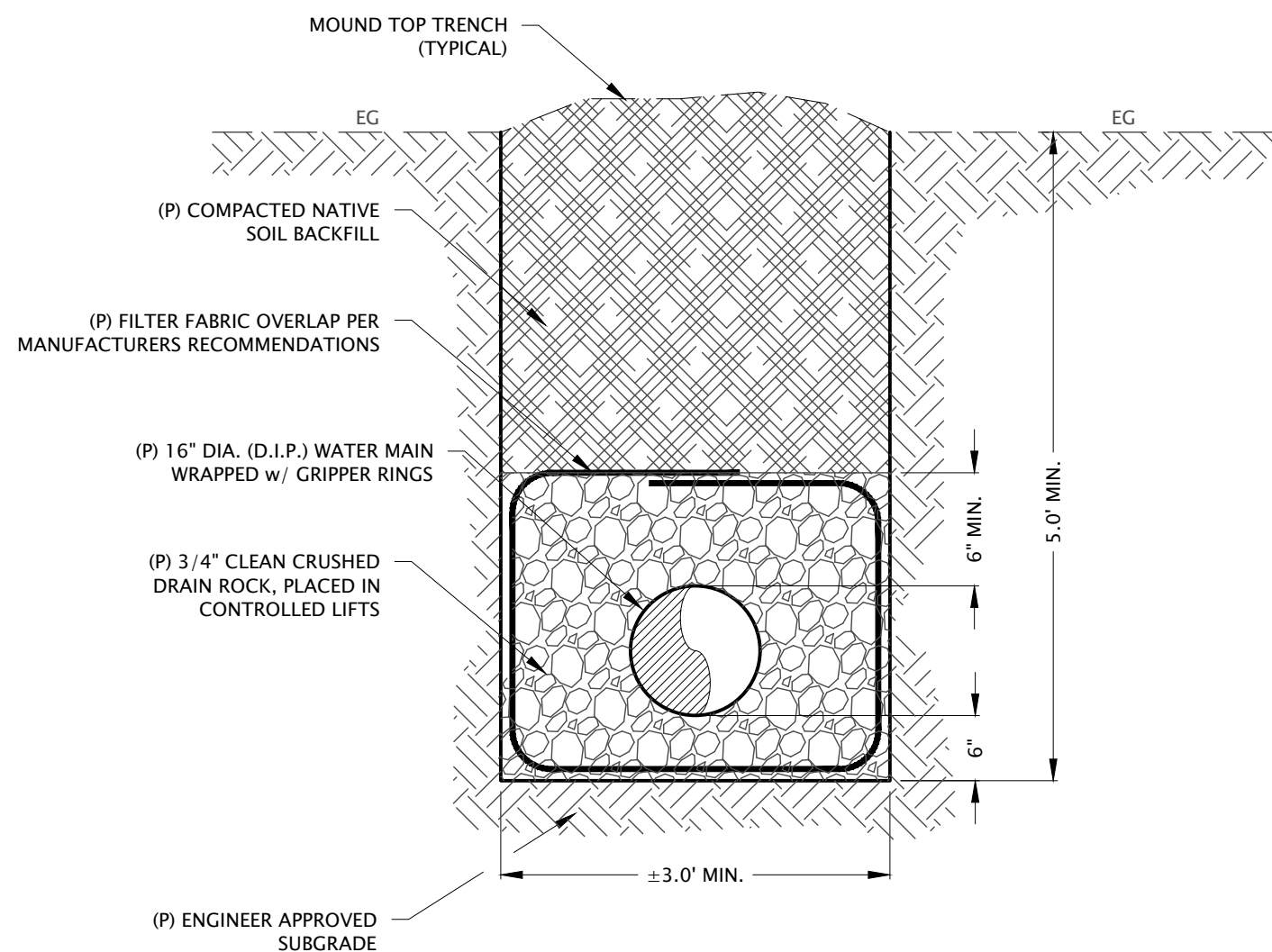
TYPICAL CONNECTION #1 DETAIL
NOT TO SCALE



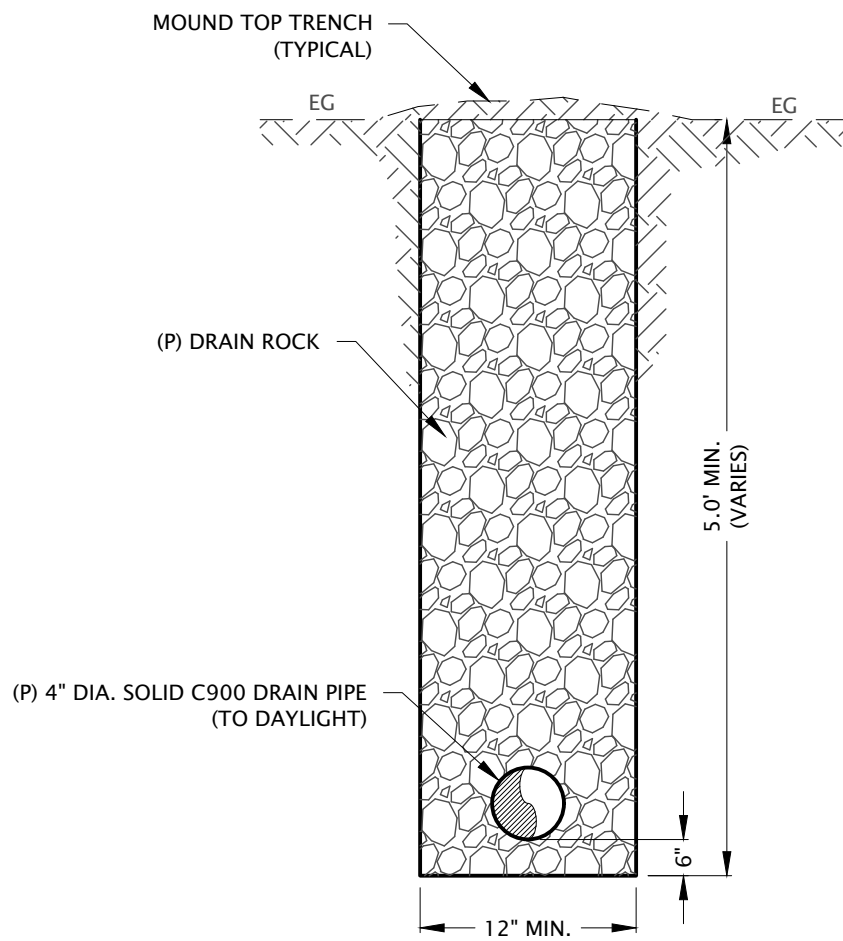
TYPICAL CONNECTION DETAIL #2
NOT TO SCALE



TYPICAL SEPARATION DETAIL
NOT TO SCALE



TYPICAL WATERLINE TRENCH DETAIL
NOT TO SCALE



TYPICAL DRAIN TRENCH DETAIL
NOT TO SCALE

REVISIONS		REV. DATE	BY
1	ADD		
2	ADD		
3	ADD		
4	ADD		
5	ADD		
6	ADD		
7	ADD		
8	ADD		
9	ADD		
10	ADD		

WGA
ENGINEERING & SURVEYING
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT
HIGHWAY 26
MOKELUMNE HILL
CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN BOSTON
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C5
SHT. 5 of SHT. 7

1. WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES. A CONTINUITY TEST SHALL BE PERFORMED BY CONTRACTOR PRIOR TO FINAL ACCEPTANCE BY DISTRICT.
2. ALL FITTINGS TO BE WRAPPED w/ MINIMUM 6 MIL. POLYETHYLENE FILM.



1. IN-LINE BLOW-OFF IS REQUIRED AT LOW POINTS.
2. THE TOP OF THE BOX SHALL BE FLUSH WITH PAVEMENT WHEN LOCATED IN TRAFFIC AREAS.
3. ALL BURIED NUTS AND BOLTS SHALL BE TYPE 316 STAINLESS STEEL.
4. LOCATOR WIRE PER DETAIL WS-1.
5. ALL FITTINGS WRAPPED IN 6 MIL. POLYETHYLENE

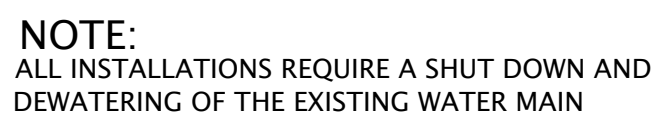


1. SEE NUMBERED NOTES ON SHEET WS-3 (SHT. 2 OF 2)
2. FIRE HYDRANT MAY BE USED IN LIEU OF BLOWOFF, (PER DETAIL WS-6A).

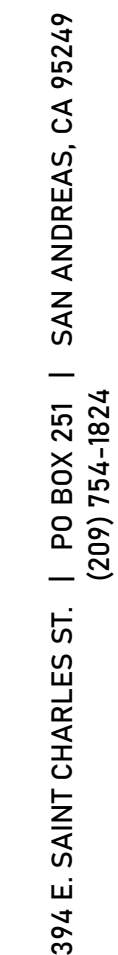


1. PIPE BEDDING SHALL COMPLY WITH DISTRICT IMPROVEMENT STANDARDS.
2. MINE TAILINGS ARE UN-ACCEPTABLE FOR ANY TRENCH BACKFILLING.
3. PIPE COVER 40" OR GREATER MUST BE PRE-APPROVED BY DISTRICT ENGINEER.
4. BLUE LOCATOR TAPE AT TOP OF PIPE BEDDING AND BACKFILL TO BE MARKED: "CAUTION – WATER LINE BURIED BELOW".
5. STRUCTURAL SECTION ELEMENTS MAY BE INCREASED WHERE REQUIRED BY THE DISTRICT ENGINEER DUE TO SOIL CONDITIONS AND/OR TRAFFIC CONSIDERATIONS. THE REPLACEMENT STRUCTURAL SECTION SHALL EQUAL THE EXISTING SECTION AS A MINIMUM REQUIREMENT IN GENERAL.

1. CPUD FORCES WILL FURNISH AND INSTALL WATER METER AFTER PLUMBING PERMIT HAS BEEN ISSUED, RESIDENCE HAS PASSED FINAL BUILDING INSPECTION, AND METER FEES HAVE BEEN PAID. WATER METER MUST BE INSTALLED BEFORE FINAL OCCUPANCY IS GRANTED.
2. 6 MI. POLYETHYLENE WRAP WITH 10 MIL. TAPER SHALL BE REQUIRED.
3. METER BOX SHALL BE "CHRISTY" B09 WITH CONCRETE COVER w/CI READER DOOR. "CHRISTY" B09G LID. EQUIVALENT BOXES, LIDS, AND SLABS MAY BE USED, SUBJECT TO DISTRICT APPROVAL.
4. FOR TRAFFIC OR ALLEY INSTALLATIONS, UTILITY BOX SHALL BE CHRISTY B1324 BOX H20 LOADING WITH B1324061GH STEEL CHECKER PLATE COVER WITH READING LID, 5"x 8".
5. PIPING FROM MAIN TO METER SHALL BE 1" IPS POLYETHYLENE STAINLESS STEEL INSERTS REQUIRED ON ALL P.E. TUBING FITTINGS.
6. ALL PIPE CONNECTIONS SHALL BE COMPRESSION TYPE: "MUELLER" C-110; FORD "PACK JOINT"; OR EQUAL.
7. SERVICE METER AND PIPE MUST NOT BE INSTALLED IN DRIVEWAY.
8. VARIANCES TO METER LOCATION SHALL BE APPROVED BY DISTRICT ENGINEER.
9. BEDDING AND BACKFILL REQUIRED ALONG SERVICE LINE PER STANDARD DETAIL, WS-5.
10. FOR METER BOXES AT PROPERTY LINE, SEE DETAIL WS-2B.
11. LOCATOR WIRE REQUIRED, SEE DETAIL WS-1.
12. THIS DETAIL APPLIES TO EXISTING RESIDENCES ONLY FOR NEW CONSTRUCTION SEE DETAIL WS-2D FOR FIRE SPRINKLER CONNECTIONS.
13. FOR MULTIPLE SERVICES SEE DETAIL WS-2D.



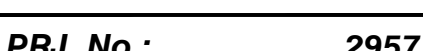
- ① 45° BEND (DIP)
- ② "MUELLER" RESILIENT SEATED, GATE VALVE – MATCH MAIN SIZE
- ③ REDUCER
- ④ 2" C900
- ⑤ 2" (DIP) 90° BEND, "FIELD LOK" GASKETS
- ⑥ TRAFFIC VALVE BOX PER WS-1
- ⑦ TRAFFIC BOX, CHRISTY NO. B1730 BOX (H-20 LOADING) WITH STEEL CHECKER PLATE COVER
- ⑧ VALVE BOX EXTENSION, CHRISTY (AS REQUIRED)
- ⑨ 3/4" DRAIN ROCK
- ⑩ MJ x MJ, TEE
- ⑪ COMPANION FLANGE w/ THREADED IP OUTLET
- ⑫ 2" BRASS NIPPLE, MIN OF 8" IN LENGTH
- ⑬ 2" BLOW-OFF/FLUSHING HYDRANT, TRUFLO MODEL TF500 MANUFACTURED BY KUPFERLE FOUNDRY CO.



**RICH GULCH
WATERLINE IMPROVEMENT PROJECT**

**HIGHWAY 26
MOKELUMNE HILL**

CALAVERAS COUNTY



PRJ. No.: 2957

DATE: 06/29/2026

SCALE: AS SHOWN

DRAWN BY: **DMV**

CHECKED BY: *MSO*

C6

SHT. 6 *of* **SHT. 7**

EACH HORIZONTAL THRUST BLOCK BEARING AREA (SQ. FT.)

NOTE:
SEE NOTES ON SHEET WS-13 (SHT. 2 OF 2)

THRUST BLOCK DETAILS

WS-13
SHEET 1 of 2



V = VALVE
ARV = AIR RELEASE VALVE
PRV = PRESSURE REDUCING VALVE
BOV = BLOW OFF VALVE
AP = ANGLE POINT

NOTES:

1. LOCATION OF MARKER SHALL BE APPROVED BY DISTRICT ENGINEER BEFORE PLACEMENT.

WATER FACILITY MARKER

WS-15

NOTES:

1. THURST BLOCK AREAS & VOLUMES GIVEN ARE FOR A TEST PRESSURE OF 150 psi AND A SOIL BEARING PRESSURE OF 2000 lb/sf. INSTALLATIONS USING HIGHER PRESSURES OR LOWER SOIL BEARING PRESSURES WILL REQUIRE ADJUSTMENT OF THURST BLOCK SIZE; SUBJECT TO APPROVAL BY DISTRICT ENGINEER. CONTRACTOR SHALL CONFIRM SOIL CONDITIONS.
2. THURST BLOCKS TO BE CONSTRUCTED OF CLASS "B" CONCRETE & SHALL BE POURED AGAINST UNDISTURBED SOIL.
3. WRAP ALL FITTINGS, NUTS, & BOLTS WITH 6 MIL. POLYETHYLENE FILM.
4. JOINTS, FACE OF PLUGS AND NUTS & BOLTS TO BE KEPT CLEAR OF CONCRETE AND MUST BE ABLE TO OPERATE WITHOUT DISTURBING THURST BLOCK.
5. VERTICAL BENDS SHALL USE RESTRAINED JOINTS AND A FULL LENGTH OF PIPE ON EACH SIDE OF FITTING.
6. #4 REBAR SHALL BE PLACED AS SHOWN WITH 12" MINIMUM EMBEDMENT. REBAR STIRRUPS TO BE SHAPED WITH 90° BEND AT EACH END AND COATED WITH TWO COATS OF KOPPERS 505 OR EQUAL, 15 MILS EACH COAT. PLACE 14 GA. GALV. PLATE BETWEEN REBAR AND PIPE.
7. THURST BLOCKS FOR REDUCERS SHALL HAVE A MINIMUM BEARING AREA OF 10 S.F..

THRUST BLOCK DETAILS

WS-13
SHEET 2 of 2

REVISIONS			
REV. No.	DESCRIPTION	REV. DATE	BY
1			
2			
3			
4			
5			
6			



394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

**RICH GULCH
WATERLINE IMPROVEMENT PROJECT**

**HIGHWAY 26
MOKELUMNE HILL**

CALAVERAS COUNTY



PRJ. No.: 2957

DATE: 06/29/2026

SCALE: AS SHOWN

DRAWN BY: *DMV*

CHECKED BY: MSO

C7

SHT. 7 of SHT. 7

CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH WATERLINE REPLACEMENT PROJECT

ADDENDUM NO. 1

Prospective Bidders are advised as follows:

1. Bidders' attention is directed to the attached revised Bid Summary. An Additive Alternate has been added. If budget allows, District would like to install additional footage. Contractors to provide pricing per stick of 16" DIP.
2. Bidders are directed to the attached revised plan sheets C1, and C5.
3. Bidders are advised the ductile iron pipe shall be rated for 250 psi and be HDSS, TR Flex, or approved equal. Pipe and fittings shall be wrapped 10 mil polyethylene.
4. Bidders are advised the gate valves shall be rated for 250 psi.
5. Bidders are directed to Section III-3.02, compensation for the trench drain piping is included in linear foot price of pipe.
6. Bidders are advised there is no rock clause for this job. Explosives will not be allowed to be use for this job.
7. Bidders are advised there is no existing soil information, bore logs, groundwater data available other than what is mentioned in the "Geotechnical Recommendations Letter" included in the project specifications.
8. Bidders shall assume trench spoils and existing vegetation shall be removed and off hauled from the site.
9. Bidders are advised the District is still working with the landowner to secure a temporary construction easement. One will be in place prior to the start of construction.
10. Bidders are advised no cathodic protection is required.
11. The Opinion of Probable Cost for the "Base Bid" is \$400,000.
12. Bidders' attention is directed to the attached Erosivity Waiver for the project.

Bidders shall note on Page 7 of the Bid Proposal acknowledgement of this Addendum No. 1.

A handwritten signature in blue ink, appearing to read 'Matt Ospital', is positioned above a horizontal line.

Matt Ospital, District Engineer

7/27/26

#2957
Addendum No.1.doc

BID SUMMARY

RICH GULCH WATERLINE REPLACEMENT PROJECT

7/27/26

BASE BID:

Item	Quantity	Description	Unit Price	Total Price
1.	1 LS	Mobilization in accordance with the plans and specifications.	\$	\$
2.	1 LS	Locate & Protect Existing Utilities in accordance with the plans and specifications.	\$	\$
3.	1 LS	Sheeting, Shoring & Bracing in accordance with the plans and specifications.	\$	\$
4.	700 LF	16-inch Diameter DIP Waterline in accordance with the plans and specifications.	\$	\$
5.	3 EA	Connection to Existing Water Mains in accordance with the plans and specifications.	\$	\$
6.	6 EA	16-inch Diameter Gate Valve in accordance with the plans and specifications.	\$	\$
7.	1 EA	Blowoff Valve in accordance with the plans and specifications.	\$	\$
8.	2 EA	Connection to Existing Water Service in accordance with the plans and specifications.	\$	\$
9.	1 LS	Testing & Disinfection in accordance with the plans and specifications.	\$	\$
10.	1 LS	Pipeline Abandonment in accordance with the plans and specifications.	\$	\$
BID TOTAL				\$

ADDITIVE ALTERNATE:

Item	Quantity	Description	Unit Price	Total Price
1.	18 LF	16-inch Diameter DIP Waterline in accordance with the plans and specifications.	\$	\$
BID TOTAL				\$

CONTRACTOR NAME: _____

CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH

WATERLINE IMPROVEMENT PROJECT

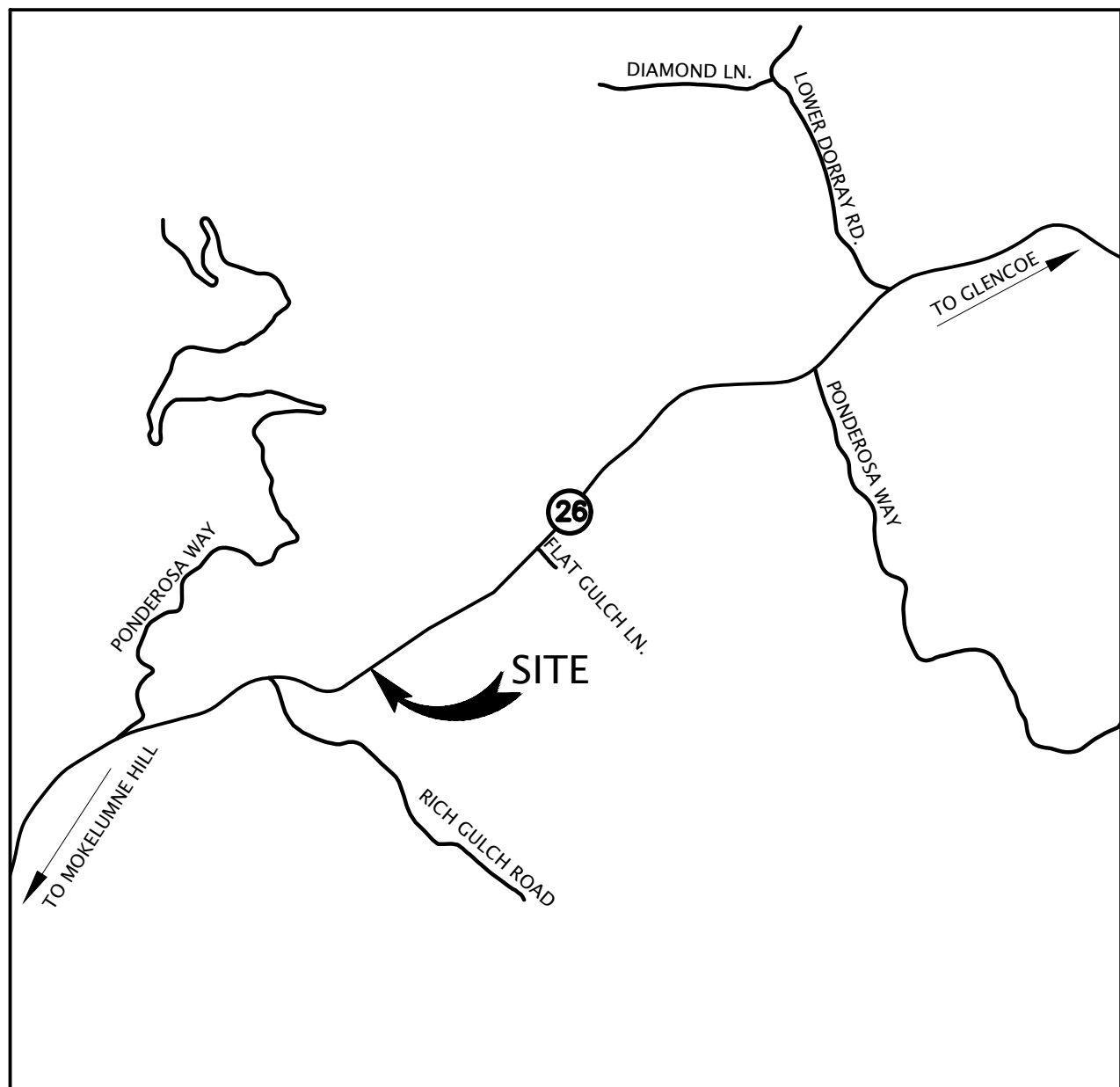
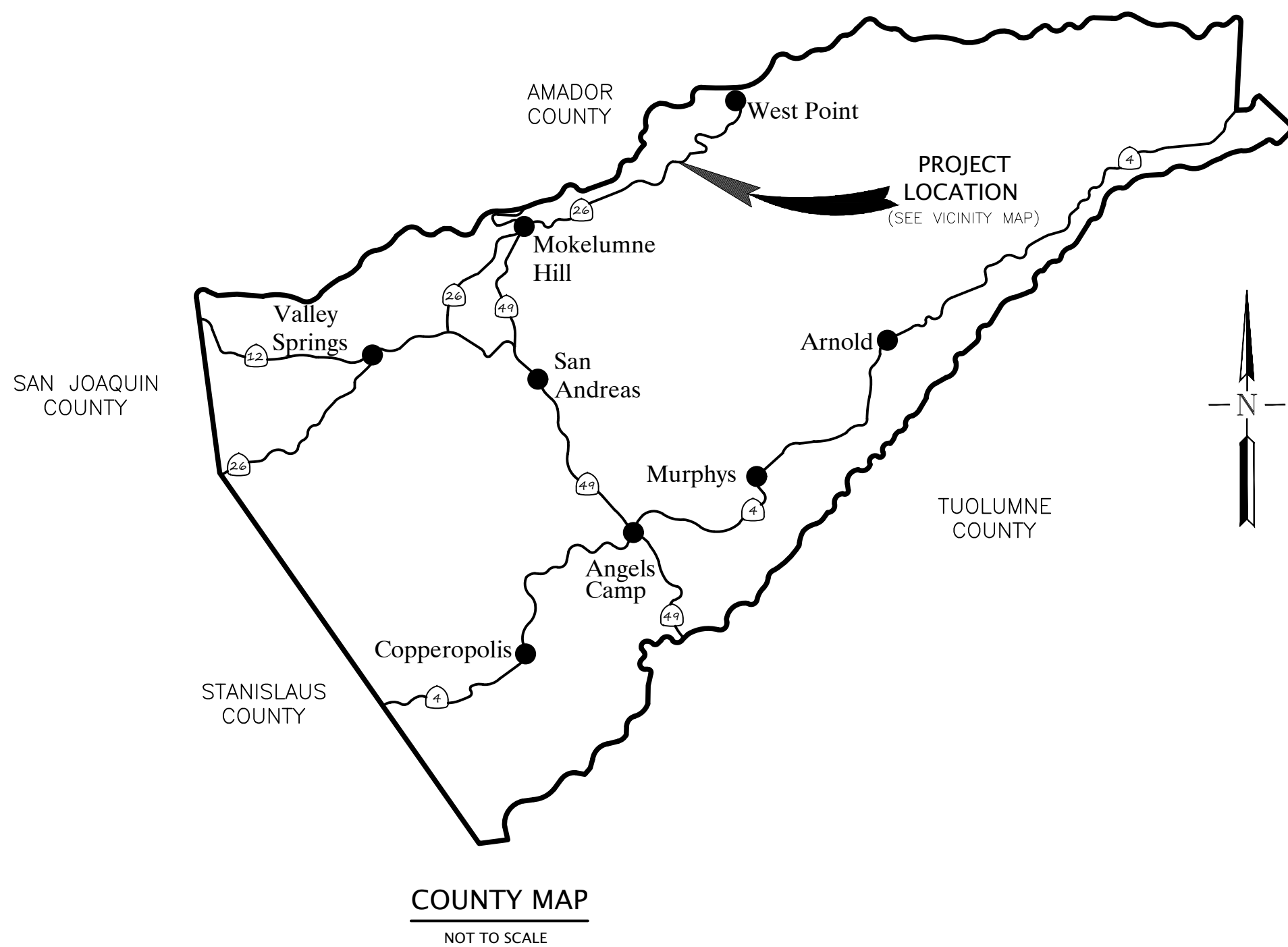
HIGHWAY 26 MOKELUMNE HILL

CALAVERAS COUNTY, CA

JUNE 2026

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND FACILITIES AFFECTED BY THE WORK AND SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) AT LEAST (2) WORKING DAYS PRIOR TO ANY EXCAVATION WORK FOR IDENTIFICATION AND LOCATION OF UNDERGROUND UTILITIES (PHONE # 811).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL FACILITIES PRIOR TO ANY EXCAVATION.
- EXCAVATION FOR ANY TRENCH FIVE FEET (5') OR MORE IN DEPTH SHALL NOT BEGIN UNTIL A SHORING PLAN IS APPROVED BY THE DISTRICT ENGINEER. THE DETAILED PLAN SHALL INCLUDE WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH, AND SHALL BE PREPARED AND SIGNED BY A REGISTERED CIVIL ENGINEER.
- NO TRENCH IS ALLOWED TO REMAIN OPEN AFTER THE END OF THE WORK DAY. CONTRACTOR SHALL ONLY EXCAVATE WHAT CAN BE INSTALLED AND BACKFILLED BY THE END OF THE WORK DAY. STEEL TRENCH PLATES MAY BE USED TO COVER TRENCH. TRENCH PLATES USED FOR THE HIGHWAY CROSSINGS SHALL BE SKID RESISTANT.
- CONNECTIONS TO EXISTING WATER FACILITIES SHALL HAVE PRIOR APPROVAL AND BE DONE IN ACCORDANCE WITH CPUD TIE-IN PROCEDURES, PLANS, AND SPECIFICATIONS.
- THE CONTRACTOR SHALL HAVE A COPY OF THE DISTRICT APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS ON SITE. SPECIFICATIONS, SPECIFIC NOTES, AND DETAIL DRAWINGS THEREON TAKE PRECEDENCE OVER GENERAL DRAWINGS AND PLANS UNLESS OTHERWISE DIRECTED BY THE DISTRICT ENGINEER. ANY DEVIATION FROM APPROVED PLANS DURING CONSTRUCTION WILL REQUIRE PRIOR WRITTEN NOTICE TO THE WATER DISTRICT AND OTHER APPROPRIATE PUBLIC AGENCIES, AND SHALL RECEIVE APPROVAL BY CPUD.
- ONLY CPUD PERSONNEL SHALL OPERATE EXISTING FACILITIES.
- PIPELINES SHALL BE DISINFECTED, TESTED, AND INSTALLED IN ACCORDANCE WITH CPUD.
- ANY CHANGES THAT ARE DONE IN THE FIELD THAT DEVIATE FROM THE PLANS NEED TO BE SHOWN IN THE "AS-BUILTS" AND COPIES SHALL BE GIVEN TO THE DISTRICT AFTER THE PROJECT IS COMPLETED. THE CONTRACTOR IS RESPONSIBLE TO KEEP A RECORD OF WHAT CHANGES ARE DONE AND SUBMIT THESE CHANGES TO THE ENGINEERING CONSULTANT, WEBER, GHIO AND ASSOCIATES INC., SO THEY CAN BE INCORPORATED INTO THE PLANS IN THE FORM OF "AS-BUILTS".
- GEOTECHNICAL RECOMMENDATIONS, SEE LETTER DATED JUNE 29, 2026. PREPARED BY SIERRA GEOTECH DBE, INC. IS INCORPORATED INTO THIS PLAN SET BY REFERENCE. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL APPLICABLE RECOMMENDATIONS CONTAINED IN THAT LETTER.



ABBREVIATION / SYMBOLS LEGEND:

(E)	(E)
(P)	(P)
EP	EDGE PAVEMENT
BOV	(E) BLOW OFF VALVE
CMP	CORRUGATED METAL PIPE
(D.I.P.)	DUCTILE IRON PIPE
□	(E) WM, EXISTING WATER METER
⊗	(E) FH, EXISTING FIRE HYDRANT
●	(E) PP, (EXISTING POWER POLE)
○	(E) CONCRETE WATER VAULT
○	(E) WV, EXISTING WATER VALVE
⊗	(P.O.C.), POINT OF CONNECTION

LINETYPE LEGEND:

---	PROPERTY LINE
- - - - -	EP, EDGE PAVEMENT
- - - - -	P.U.E., PUBLIC UTILITY EASEMENT
- X - X -	(E) FENCE
- W -	(P) WATER
- [] -	(E) SD, STORM DRAIN
- W -	(E) W, WATER MAIN
- T - T -	(E) TELEPHONE

SHEET INDEX:

C1	COVER SHEET
C2	OVERALL SITE UTILITY PLAN
C3	UTILITY PLAN AND PROFILE, STA: 10+00 TO STA: 13+50
C4	UTILITY PLAN AND PROFILE, STA: 13+50 TO STA: 17+00
C5	DETAIL SHEET
C6	DETAIL SHEET

REVISIONS		
REV. No.	DESCRIPTION	BY
1	PLAN UPDATE	DMV
2		
3		
4		
5		
6		

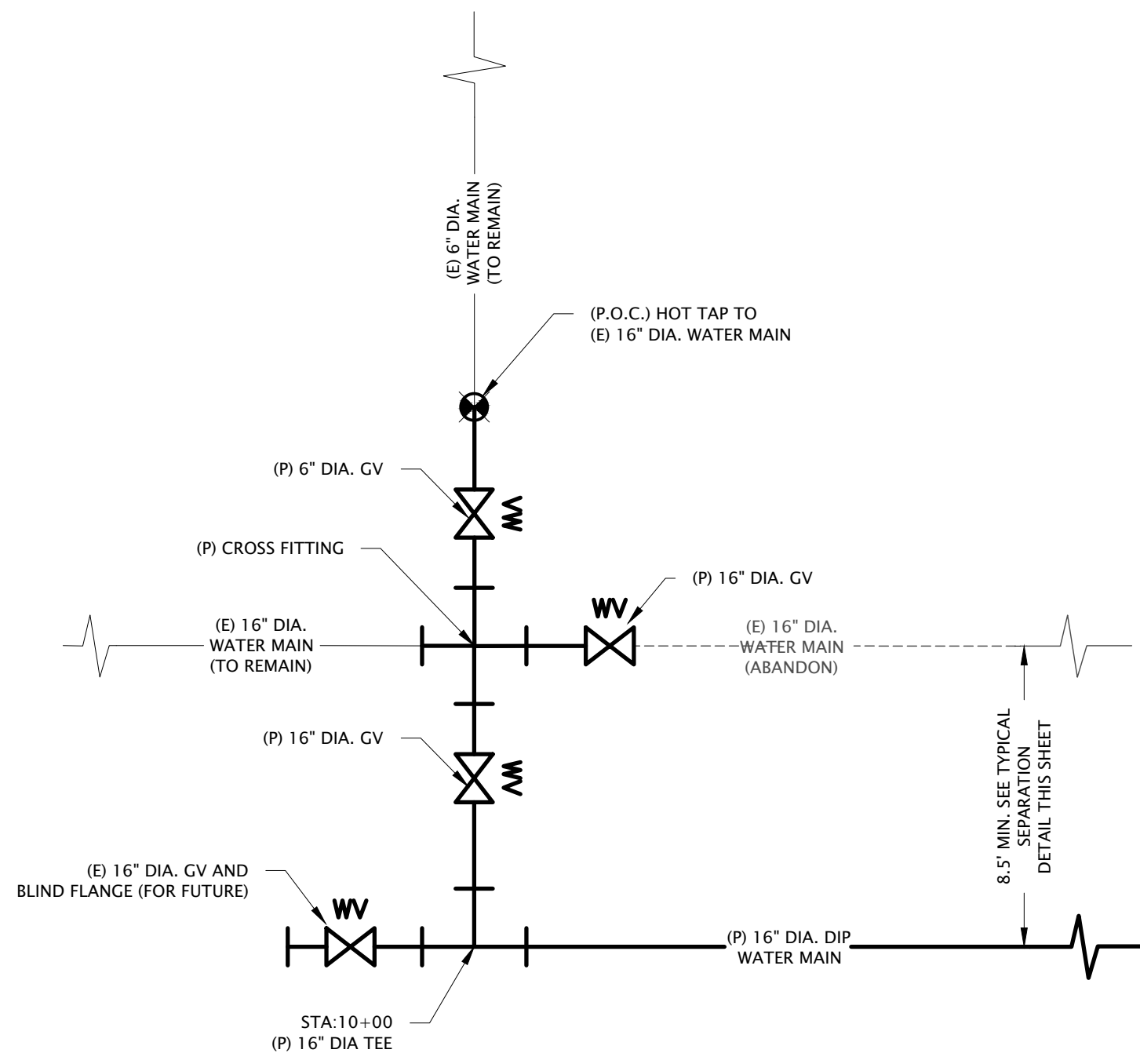
WGA
ENGINEERING & SURVEYING
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT
HIGHWAY 26
MOKELUMNE HILL
CALAVERAS COUNTY
CALIFORNIA

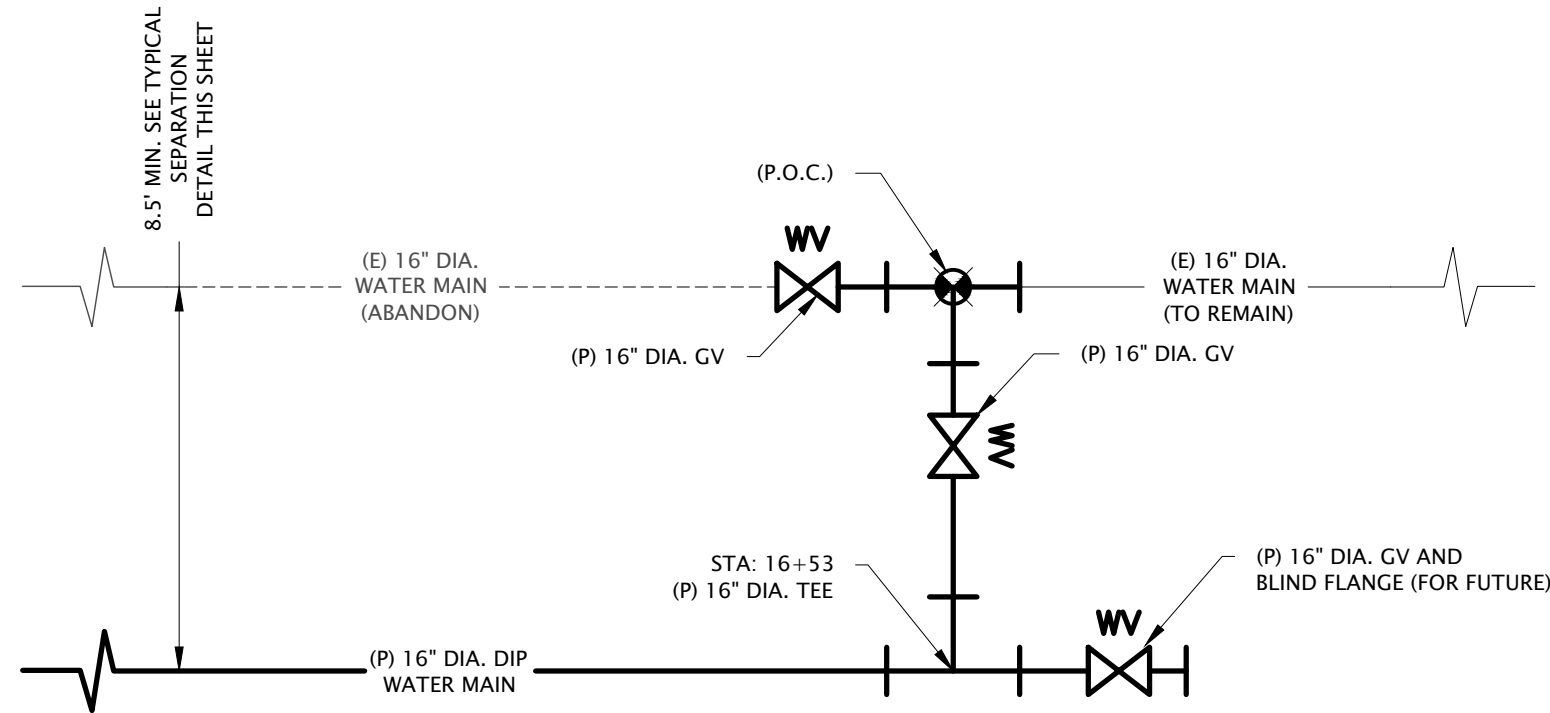
REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN GSPITAL
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

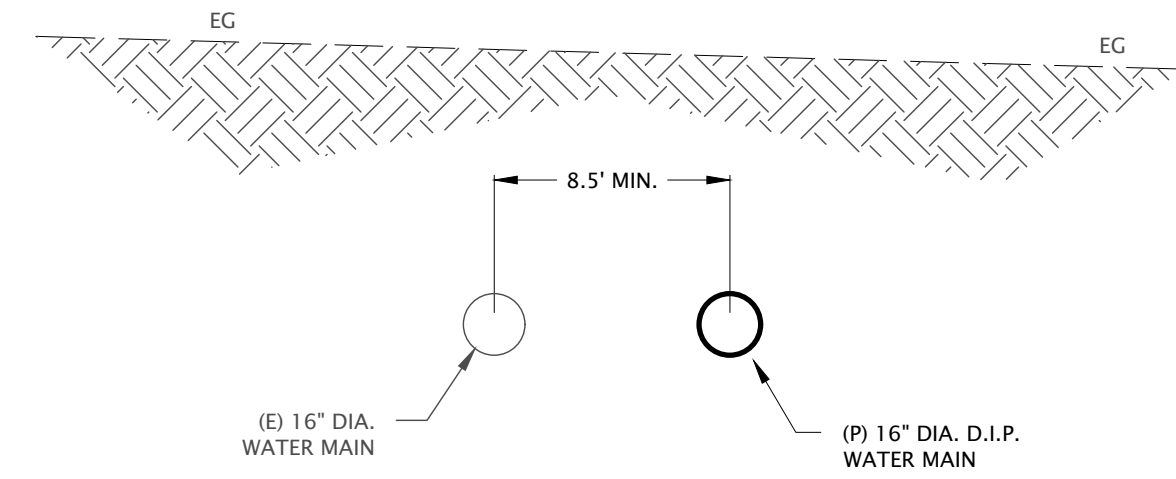
C1
SHT. 1 of SHT. 7



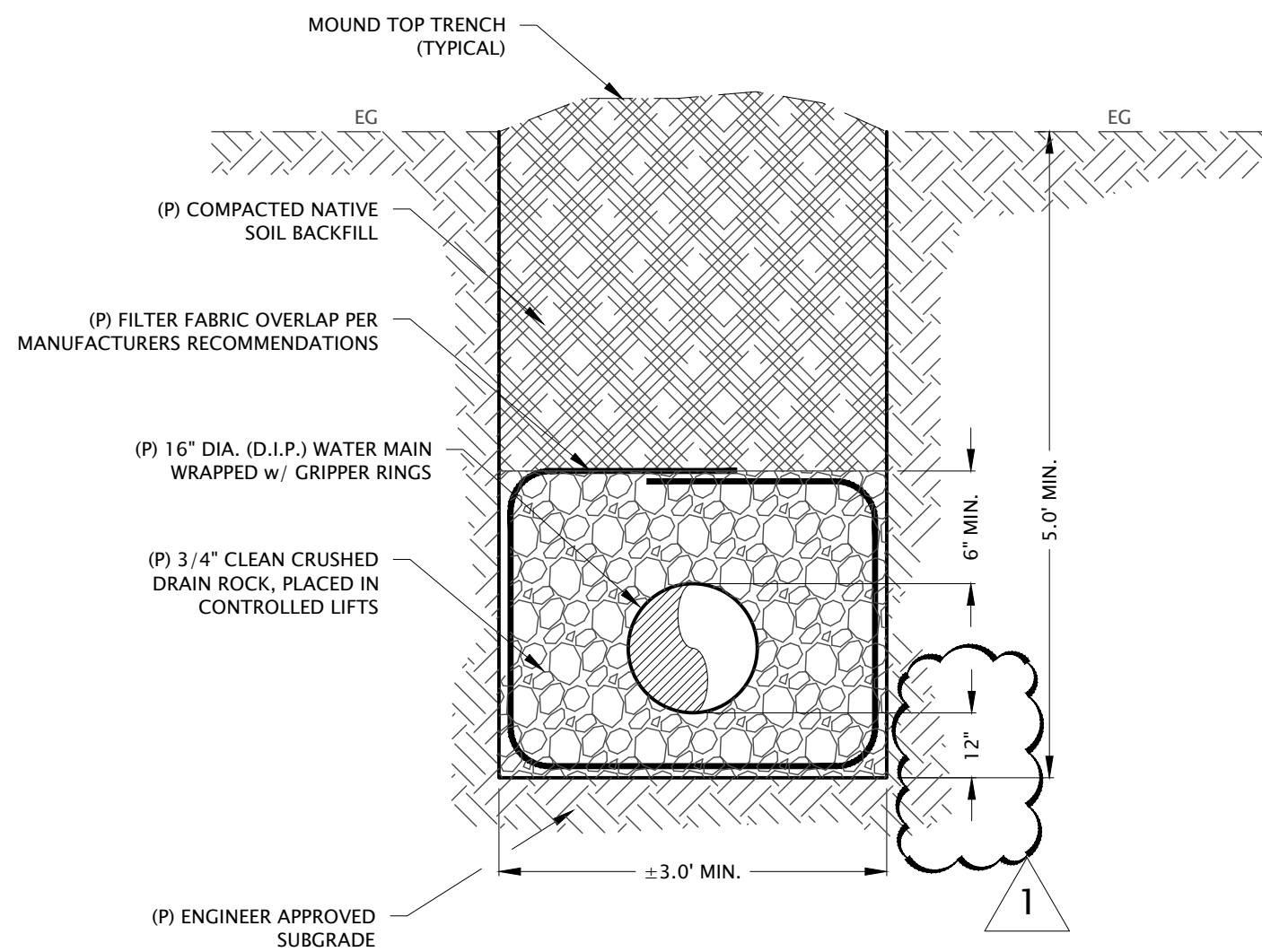
TYPICAL CONNECTION #1 DETAIL
NOT TO SCALE



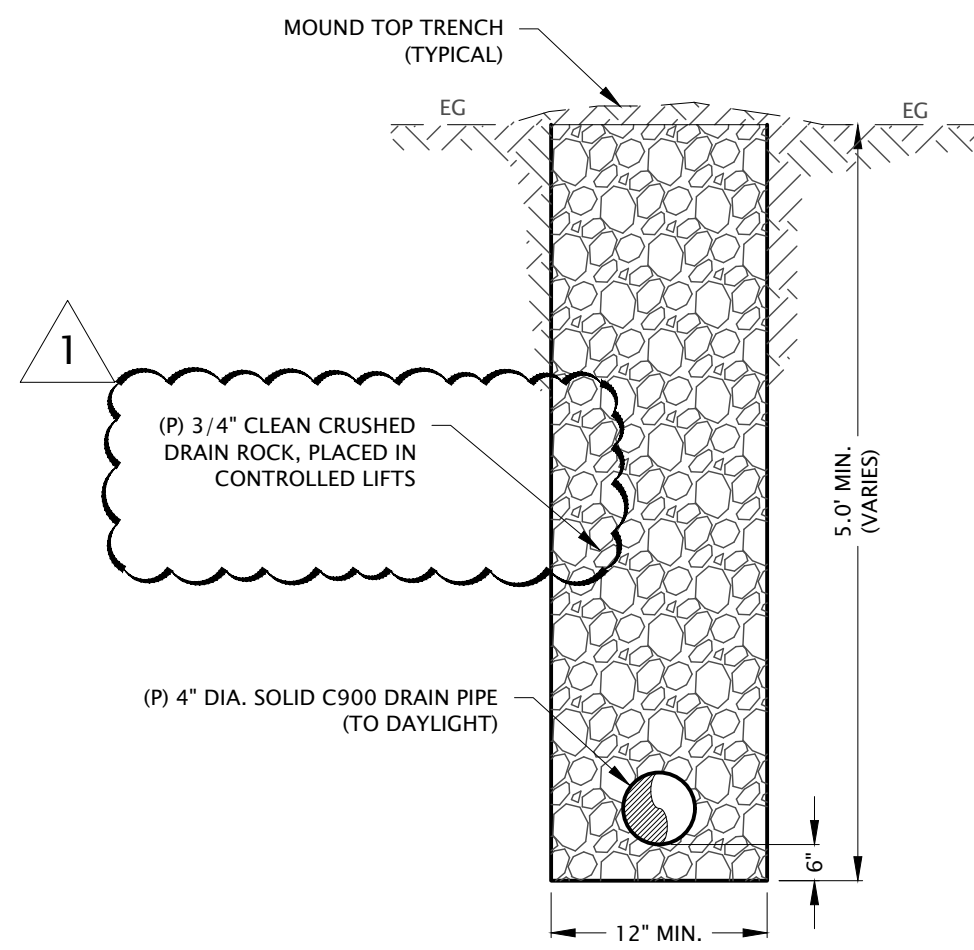
TYPICAL CONNECTION DETAIL #2
NOT TO SCALE



TYPICAL SEPARATION DETAIL
NOT TO SCALE



TYPICAL WATERLINE TRENCH DETAIL
NOT TO SCALE



TYPICAL DRAIN TRENCH DETAIL
NOT TO SCALE

REVISIONS		REV. No.	DESCRIPTION	REV. DATE	BY
1	PLAN UPDATE	1		7/27/2026	DMV
2		2			
3		3			
4		4			
5		5			

WGA
ENGINEERING & SURVEYING

394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT

HIGHWAY 26
MOKELUMNE HILL

CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN BOSTON
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C5

SHT. 5 of SHT. 7

CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH WATERLINE REPLACEMENT PROJECT

ADDENDUM NO. 2

Prospective Bidders are advised as follows:

1. Bidders are directed to the attached revised plan set.
2. Bidders are advised there are 3 ea "Connection to Existing Water Mains." Two each connection to the existing 16" main and one each connection to the existing 6" main. The price for the new 6" gate valve shall be included in the price of the "Connection to Existing Water Mains".
3. "Section III-1.05 states, contractor to provide seven day and 24-hour notices of work schedule and periods of interrupted service to all property owners and businesses affected by the work." Can we obtain the addresses for all those who will be required to be notified?

Bidders are advised that CPUD will handle all notifications with property owners.

4. "Is there a necessity to require proposed 16"Ø gate valves on the abandonment sides of the 16"Ø main which is to be abandoned-in-place?"

Bidders are advised if you are able to construct and tie-in without installing these two gate valves, we are open to eliminating these two gate valves.

5. "Is one (1) of the 16"Ø gate valves in Bid Item 6 for the proposed blow-off installation which Detail WS-3/C6 calls for this gate valve to match the main size?

Bidders are advised that the blow-off gate valve is not included as part of Bid Item #6.

6. "In detail drawing WS-3 In-Line Blow-off Assembly the gate valve size is not called out, what size is the gate valve?"

Bidders are advised the valve size is called out on numbered note #2 on CPUD Detail WS-3 Sheet 2 of 2 (match main line size).

7. Connection #1 Detail shows the installation of a 6" GV and a 6" Existing Main, however there is a callout at the POC to "Hot Tap to the (E.) 16" Dia Water Main". We have the following questions:
 - a. Are we connecting to a 6" or 16" water main? *Connection shall be to the existing 16" main.*

- b. Are we hot tapping the main or are we cutting in to the existing main?
District is open to either option, with minimal down time involved.
8. Bidders are advised the existing 16" water main is mortar lined steel pipe (see attached photo), and the existing 6" water main is believed to be either PVC or AC pipe.
9. Bidders are advised that the tie in point at both the upstream and downstream ends will be to the existing 16" water main.
10. Bidders are advised that perforated drain pipe can be HDPE.
11. Bidders are advised that the last day for questions is August 12th by 3:00 pm.
12. Bidders are advised the bid date is pushed to August 18th at 10 am.

Bidders shall note on Page 7 of the Bid Proposal acknowledgement of this Addendum No. 2.



Matt Ospital, District Engineer

8/6/26



CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH

WATERLINE IMPROVEMENT PROJECT

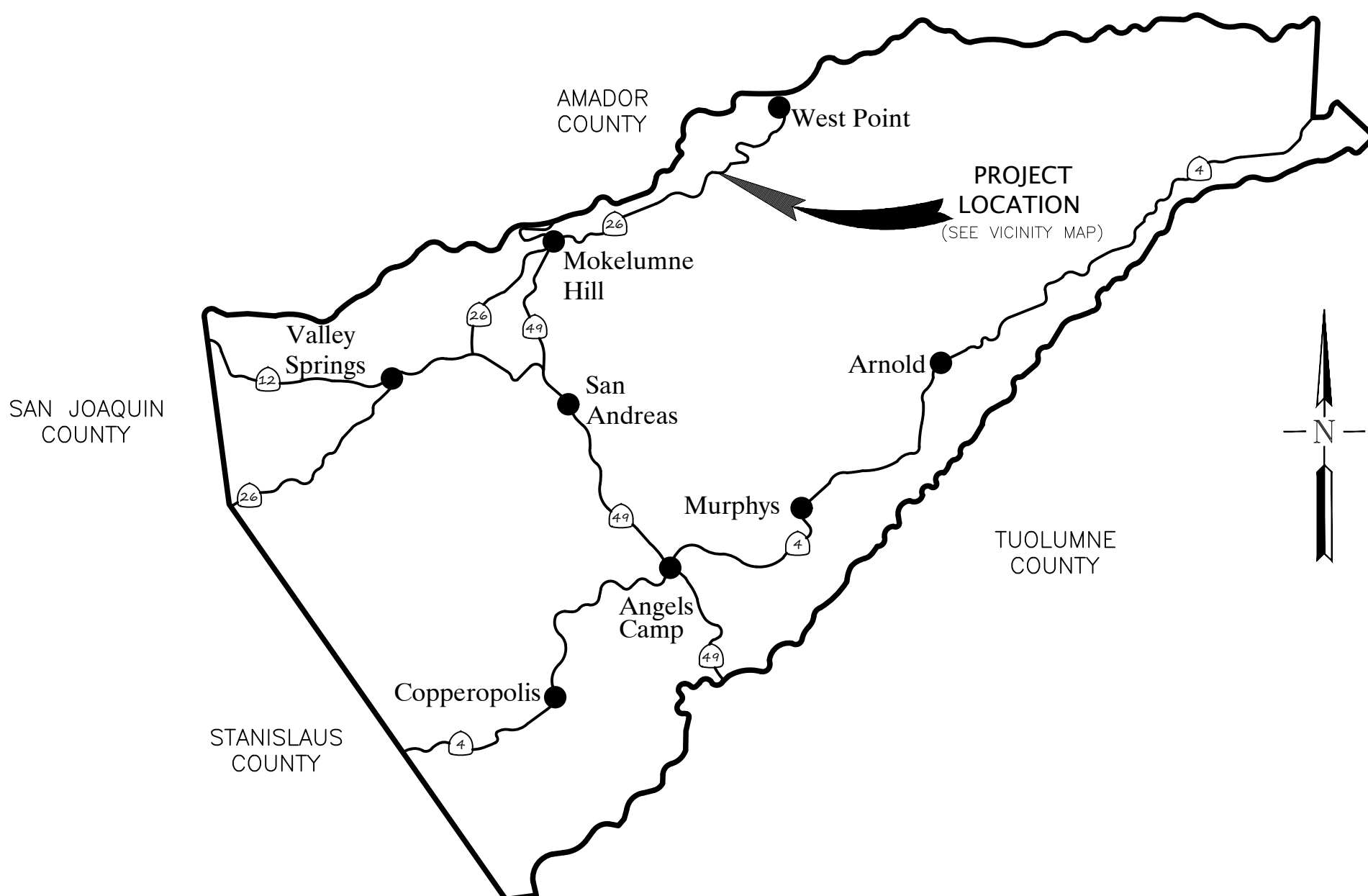
HIGHWAY 26 MOKELUMNE HILL

CALAVERAS COUNTY, CA

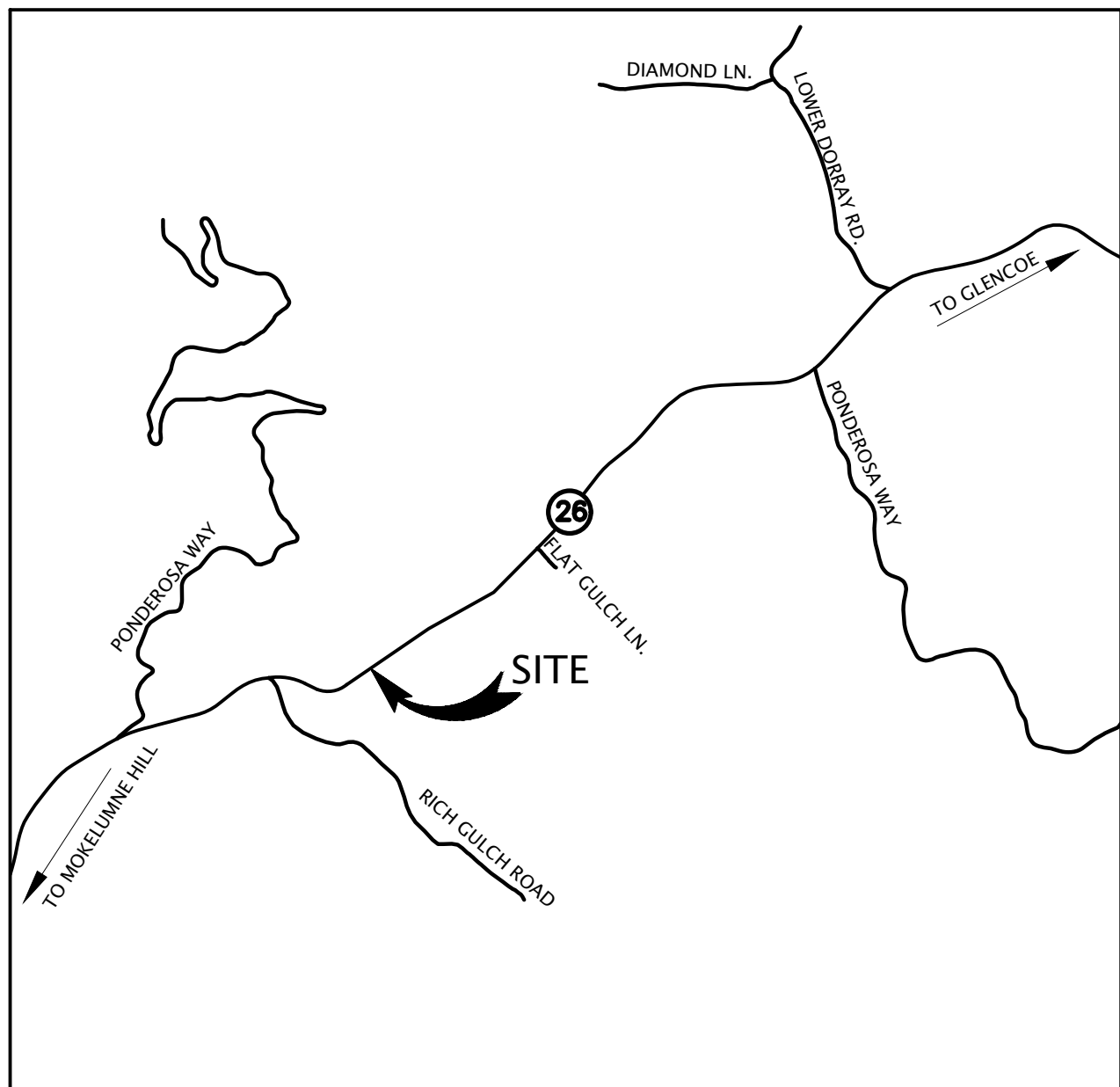
JUNE 2026

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND FACILITIES AFFECTED BY THE WORK AND SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) AT LEAST (2) WORKING DAYS PRIOR TO ANY EXCAVATION WORK FOR IDENTIFICATION AND LOCATION OF UNDERGROUND UTILITIES (PHONE # 811).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL FACILITIES PRIOR TO ANY EXCAVATION.
- EXCAVATION FOR ANY TRENCH FIVE FEET (5') OR MORE IN DEPTH SHALL NOT BEGIN UNTIL A SHORING PLAN IS APPROVED BY THE DISTRICT ENGINEER. THE DETAILED PLAN SHALL INCLUDE WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH, AND SHALL BE PREPARED AND SIGNED BY A REGISTERED CIVIL ENGINEER.
- NO TRENCH IS ALLOWED TO REMAIN OPEN AFTER THE END OF THE WORK DAY. CONTRACTOR SHALL ONLY EXCAVATE WHAT CAN BE INSTALLED AND BACKFILLED BY THE END OF THE WORK DAY. STEEL TRENCH PLATES MAY BE USED TO COVER TRENCH. TRENCH PLATES USED FOR THE HIGHWAY CROSSINGS SHALL BE SKID RESISTANT.
- CONNECTIONS TO EXISTING WATER FACILITIES SHALL HAVE PRIOR APPROVAL AND BE DONE IN ACCORDANCE WITH CPUD TIE-IN PROCEDURES, PLANS, AND SPECIFICATIONS.
- THE CONTRACTOR SHALL HAVE A COPY OF THE DISTRICT APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS ON SITE. SPECIFICATIONS, SPECIFIC NOTES, AND DETAIL DRAWINGS THEREON TAKE PRECEDENCE OVER GENERAL DRAWINGS AND PLANS UNLESS OTHERWISE DIRECTED BY THE DISTRICT ENGINEER. ANY DEVIATION FROM APPROVED PLANS DURING CONSTRUCTION WILL REQUIRE PRIOR WRITTEN NOTICE TO THE WATER DISTRICT AND OTHER APPROPRIATE PUBLIC AGENCIES, AND SHALL RECEIVE APPROVAL BY CPUD.
- ONLY CPUD PERSONNEL SHALL OPERATE EXISTING FACILITIES.
- PIPELINES SHALL BE DISINFECTED, TESTED, AND INSTALLED IN ACCORDANCE WITH CPUD.
- ANY CHANGES THAT ARE DONE IN THE FIELD THAT DEVIATE FROM THE PLANS NEED TO BE SHOWN IN THE "AS-BUILTS" AND COPIES SHALL BE GIVEN TO THE DISTRICT AFTER THE PROJECT IS COMPLETED. THE CONTRACTOR IS RESPONSIBLE TO KEEP A RECORD OF WHAT CHANGES ARE DONE AND SUBMIT THESE CHANGES TO THE ENGINEERING CONSULTANT, WEBER, GHIO AND ASSOCIATES INC., SO THEY CAN BE INCORPORATED INTO THE PLANS IN THE FORM OF "AS-BUILTS".
- GEOTECHNICAL RECOMMENDATIONS, SEE LETTER DATED JUNE 29, 2026. PREPARED BY SIERRA GEOTECH DBE, INC. IS INCORPORATED INTO THIS PLAN SET BY REFERENCE. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL APPLICABLE RECOMMENDATIONS CONTAINED IN THAT LETTER.



COUNTY MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

ABBREVIATION / SYMBOLS LEGEND:

(E)	(E)
(P)	(P)
EP	EDGE PAVEMENT
BOV	(E) BLOW OFF VALVE
CMP	CORRUGATED METAL PIPE
(D.I.P.)	DUCTILE IRON PIPE
□	(E) WM, EXISTING WATER METER
⊗	(E) FH, EXISTING FIRE HYDRANT
●	(E) PP, (EXISTING POWER POLE)
○	(E) CONCRETE WATER VAULT
○	(E) WV, EXISTING WATER VALVE
⊗	(P.O.C.), POINT OF CONNECTION

LINETYPE LEGEND:

---	PROPERTY LINE
- - -	EP, EDGE PAVEMENT
- - -	P.U.E., PUBLIC UTILITY EASEMENT
- X - X -	(E) FENCE
- W -	(P) WATER
- SD -	(E) SD, STORM DRAIN
- W -	(E) W, WATER MAIN
- T - T -	(E) TELEPHONE

SHEET INDEX:

C1	COVER SHEET
C2	OVERALL SITE UTILITY PLAN
C3	UTILITY PLAN AND PROFILE, STA: 10+00 TO STA: 13+50
C4	UTILITY PLAN AND PROFILE, STA: 13+50 TO STA: 17+00
C5	DETAIL SHEET
C6	DETAIL SHEET

REVISIONS		REV. DATE	BY
DESCRIPTION	PLAN UPDATE	7/27/2026	DMV
PLAN REVISIONS	PLAN REVISIONS	8/03/2026	DMV

WGA
ENGINEERING & SURVEYING
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

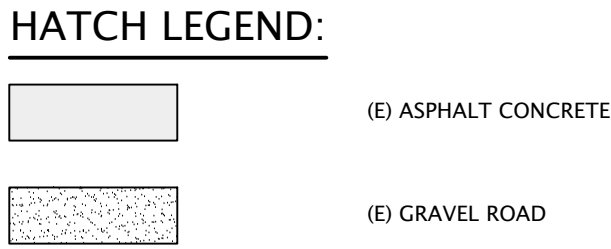
RICH GULCH
WATERLINE IMPROVEMENT PROJECT
HIGHWAY 26
MOKELUMNE HILL
CALAVERAS COUNTY
CALIFORNIA



PRJ. No.:	2957
DATE:	06/29/2026
SCALE:	AS SHOWN
DRAWN BY:	DMV
CHECKED BY:	MSO

C1

SHT. 1 of SHT. 7



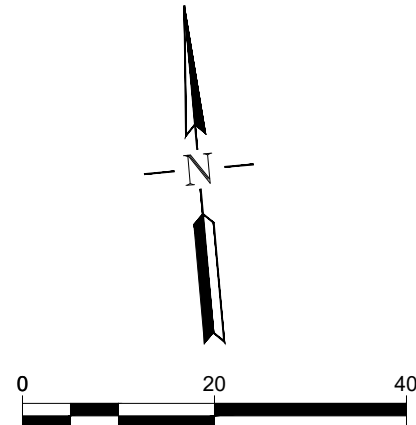
OVERALL UTILITY PLAN

The image shows a circular professional seal for Matthew Stephen Ostlund, a Registered Professional Engineer in the State of California. The seal includes his name, license number 76534, and the word "CIVIL". There is a signature across the center of the seal.

NIETO / GOMEZ
APN: 014-004-040

CONSTRUCTION NOTES:

1. THE EXISTING WATER LINE SHALL BE KEPT IN OPERATION DURING CONSTRUCTION AND INSTALLATION OF THE NEW 16" DIA. (D.I.P.) WATER LINE.
2. ONCE THE NEW WATER LINE HAS BEEN INSTALLED AND IS IN OPERATION, CONTRACTOR SHALL CUT AND CAP THE EXISTING WATER LINE TO BE ABANDONED AND POUR THRUST BLOCKS WHERE REQUIRED.



TUTT
APN: 014-004-041

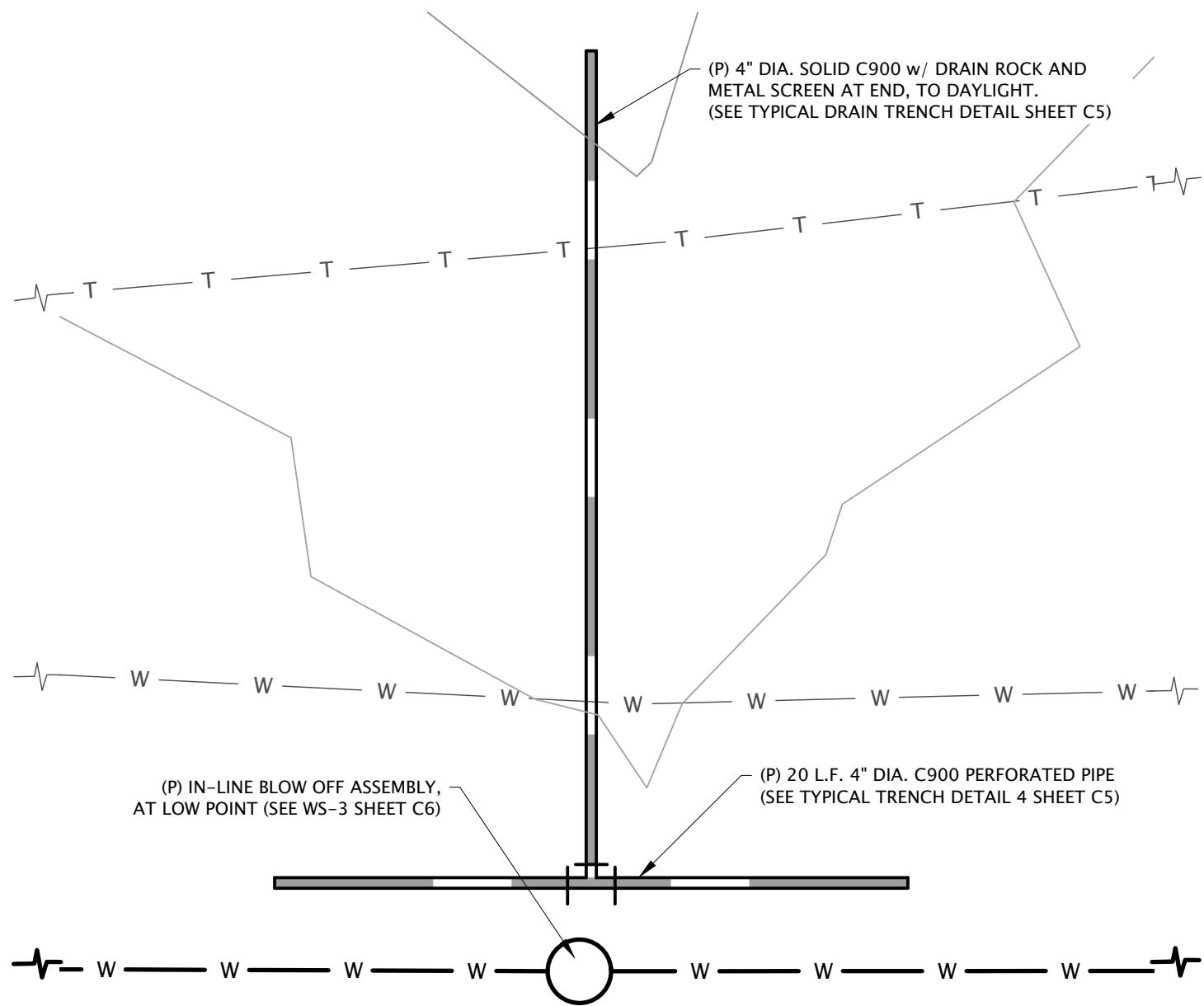
DELLORTO
APN: 014-004-069

HIGHWAY 26

SEE ENLARGED
DRAIN PLAN BELOW

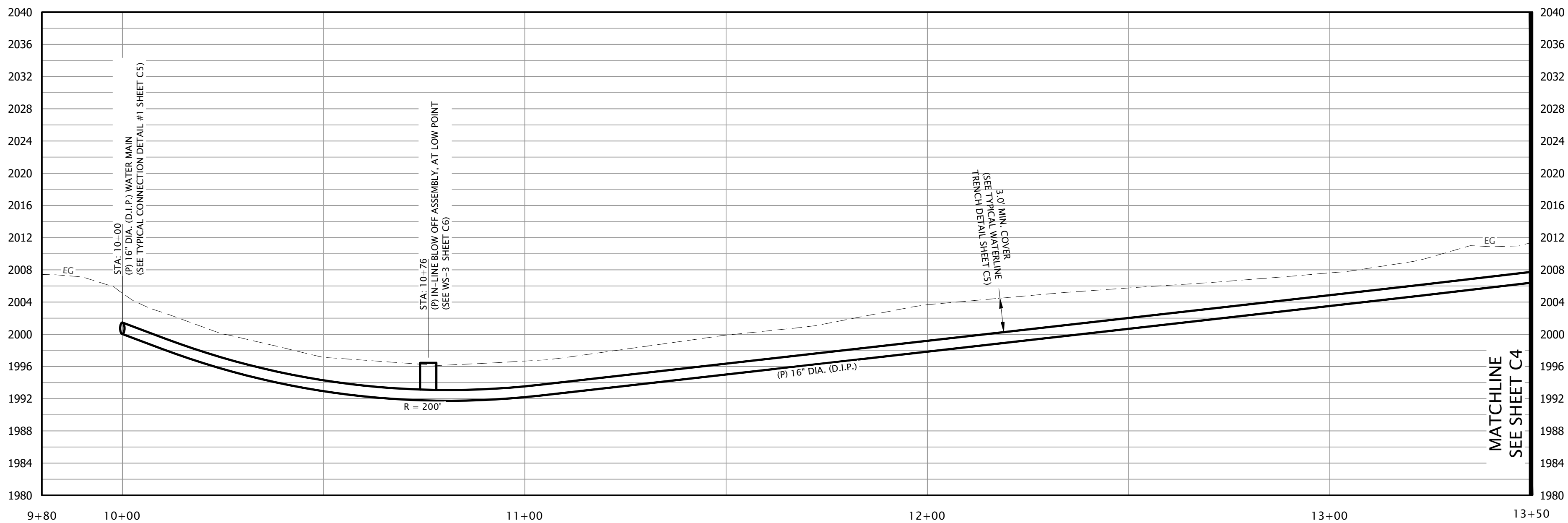
DELLORTO
APN: 014-004-047

MATCHLINE SEE SHEET C4



ENLARGED DRAIN PLAN

SCALE: 1" = 5'



PLAN AND PROFILE

HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 10'

REV. No.	DESCRIPTION	BY	DATE
1	PLAN UPDATE	DMV	7/27/2026
2	PLAN REVISIONS	DMV	8/03/2026
3			
4			
5			

WGA
ENGINEERING & SURVEYING

394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT

HIGHWAY 26
MOKELUMNE HILL

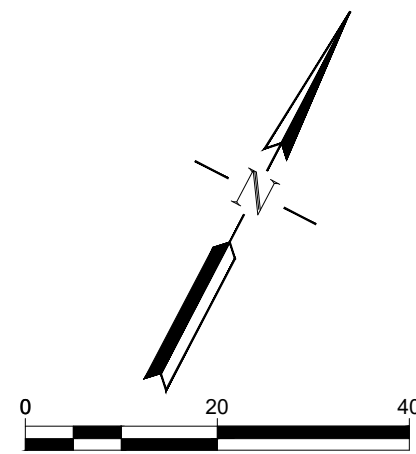
CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN BOSTON
No. 76594
CIVIL
STATE OF CALIFORNIA

PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO

C3

SHT. 3 of SHT. 7



REVISIONS			
REV. NO.	DESCRIPTION	REV. DATE	BY
1	PLAN UPDATE	7/27/2026	DMW
2	PLAN REVISIONS	8/03/2026	DMW
3			
4			
5			
6			

WGA
ENGINEERING & SURVEYING

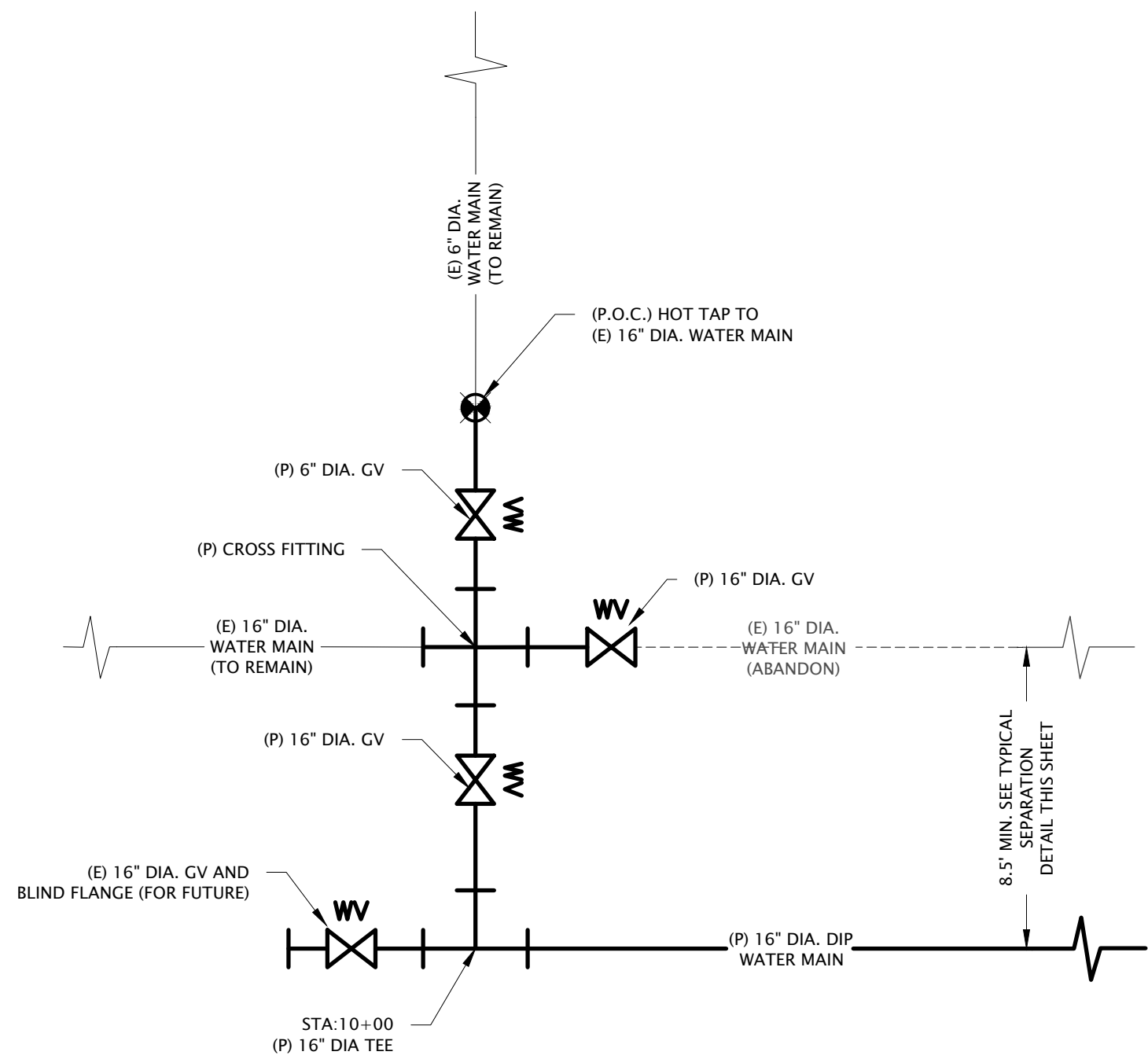
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT

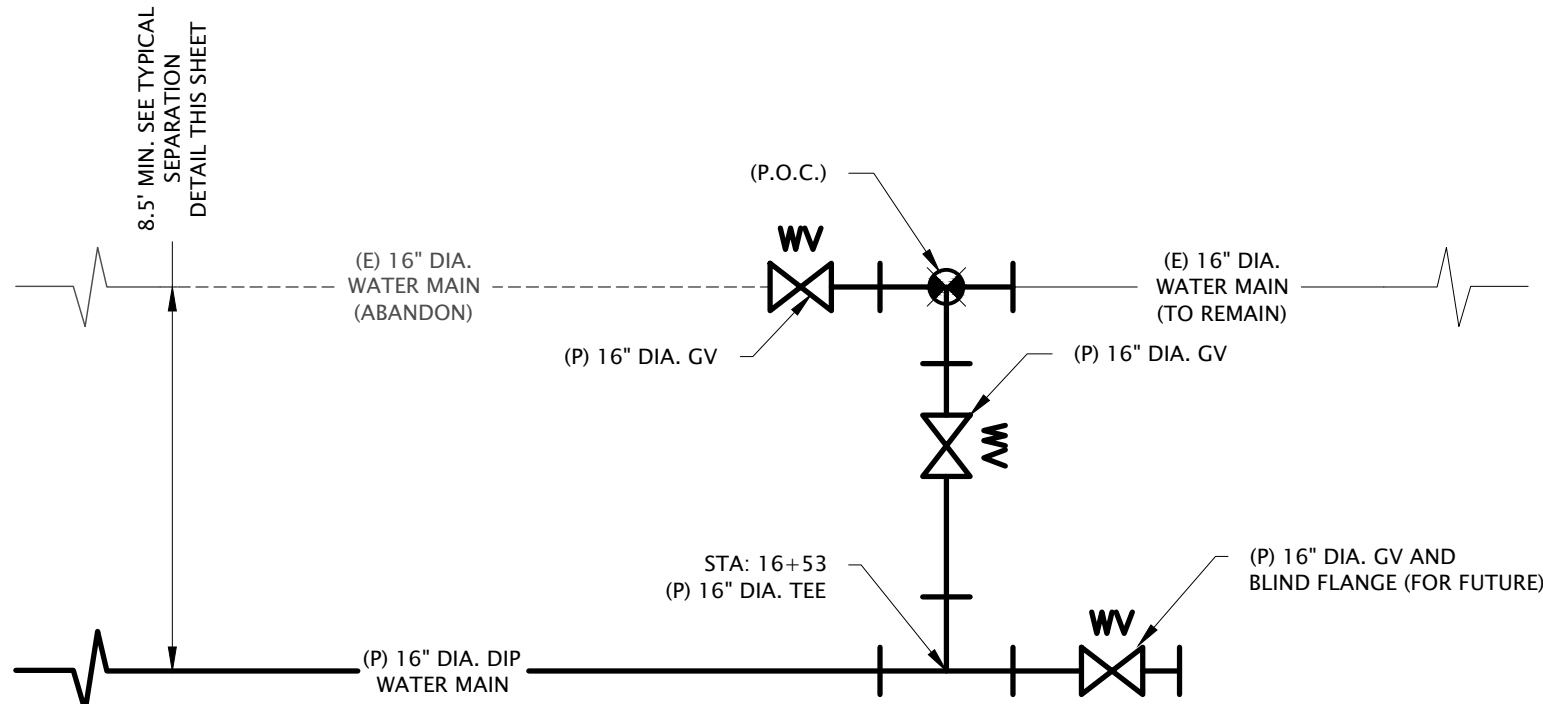
HIGHWAY 26
MOKELUMNE HILL

CALAVERAS COUNTY CALIFORNIA

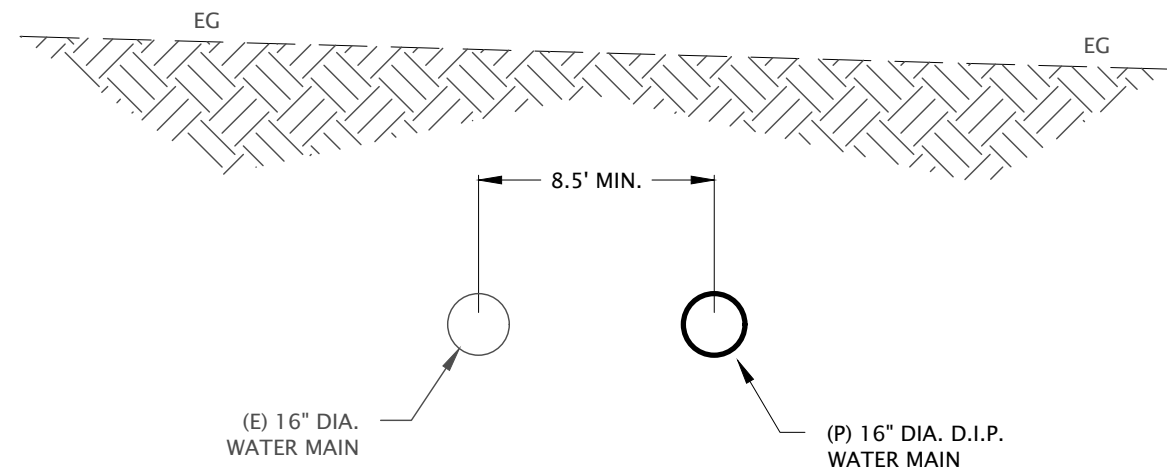
		
PRJ. No.:	2957	
DATE:	06/29/2026	
SCALE:	AS SHOWN	
DRAWN BY:	DMV	
CHECKED BY:	MSO	
C4		
SHT. 4	of	SHT. 7



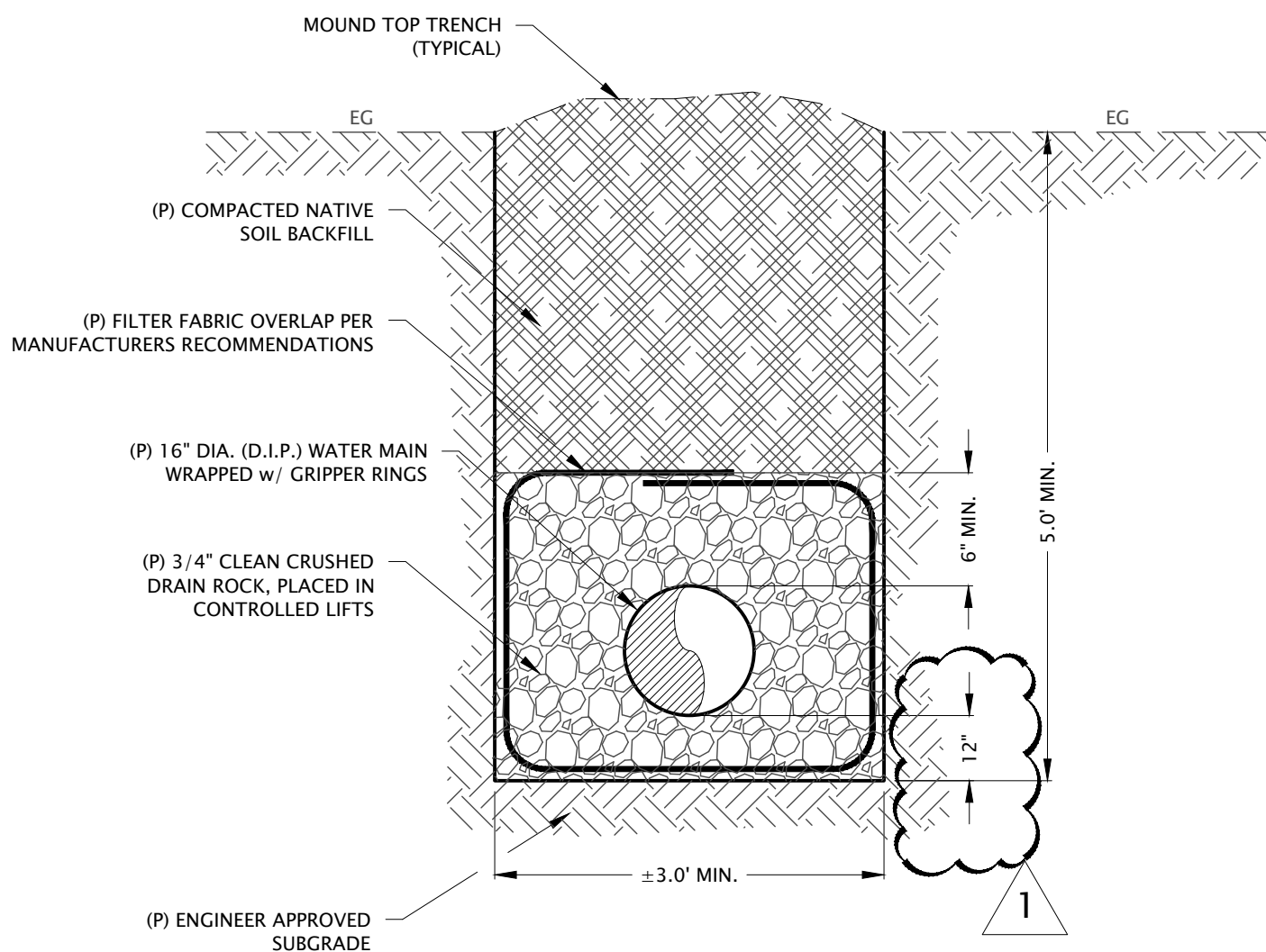
TYPICAL CONNECTION #1 DETAIL
NOT TO SCALE



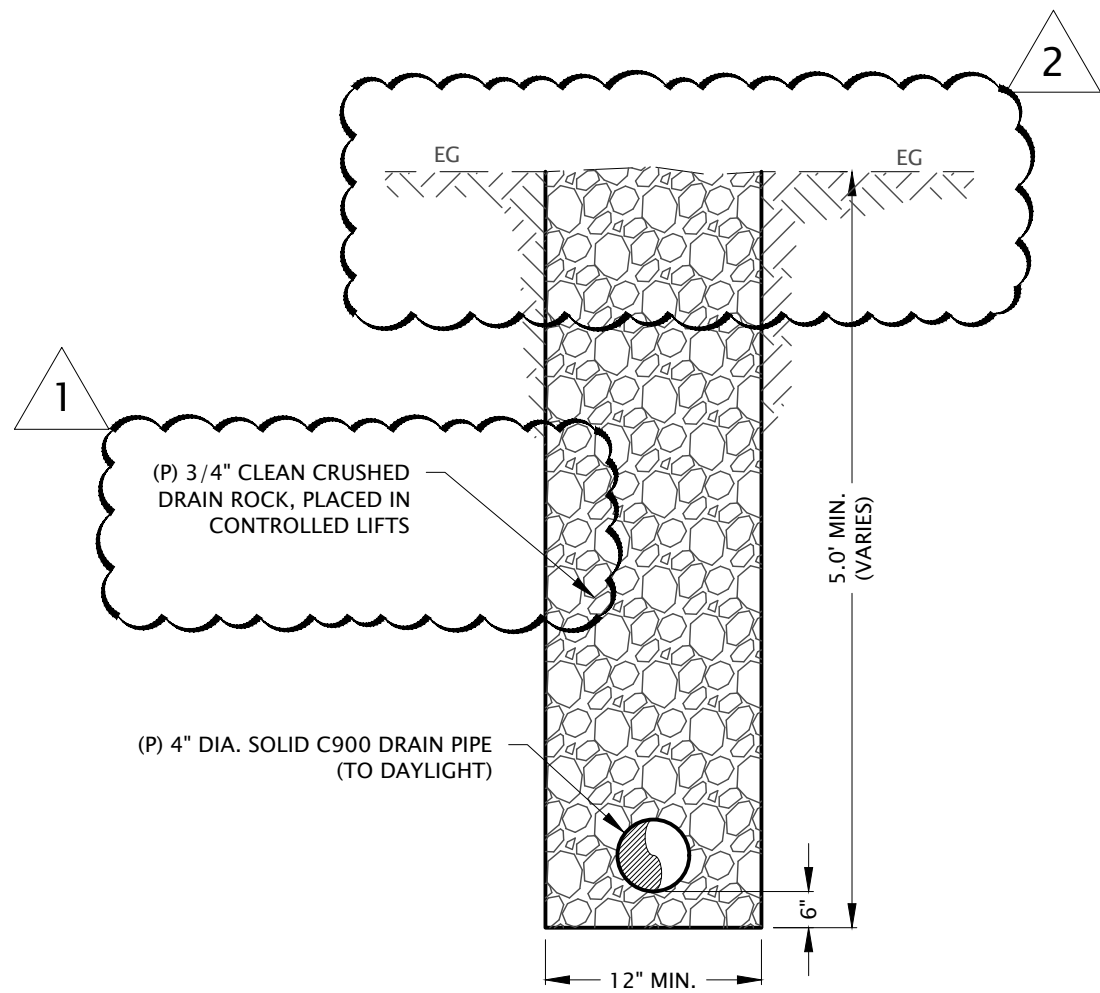
TYPICAL CONNECTION DETAIL #2
NOT TO SCALE



TYPICAL SEPARATION DETAIL
NOT TO SCALE



TYPICAL WATERLINE TRENCH DETAIL
NOT TO SCALE



TYPICAL DRAIN TRENCH DETAIL
NOT TO SCALE

REVISIONS		REV. No.	DESCRIPTION	REV. DATE	BY
PLAN UPDATE		1		7/27/2026	DMV
PLAN REVISIONS		2		8/03/2026	DMV
		3			
		4			
		5			
		6			



WS&A
ENGINEERING & SURVEYING

394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT

HIGHWAY 26
MOKELUMNE HILL

CALAVERAS COUNTY
CALIFORNIA



REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN OST
CIVIL
STATE OF CALIFORNIA
No. 76594

PRJ. No.: 2957

DATE: 06/29/2026

SCALE: AS SHOWN

DRAWN BY: DMV

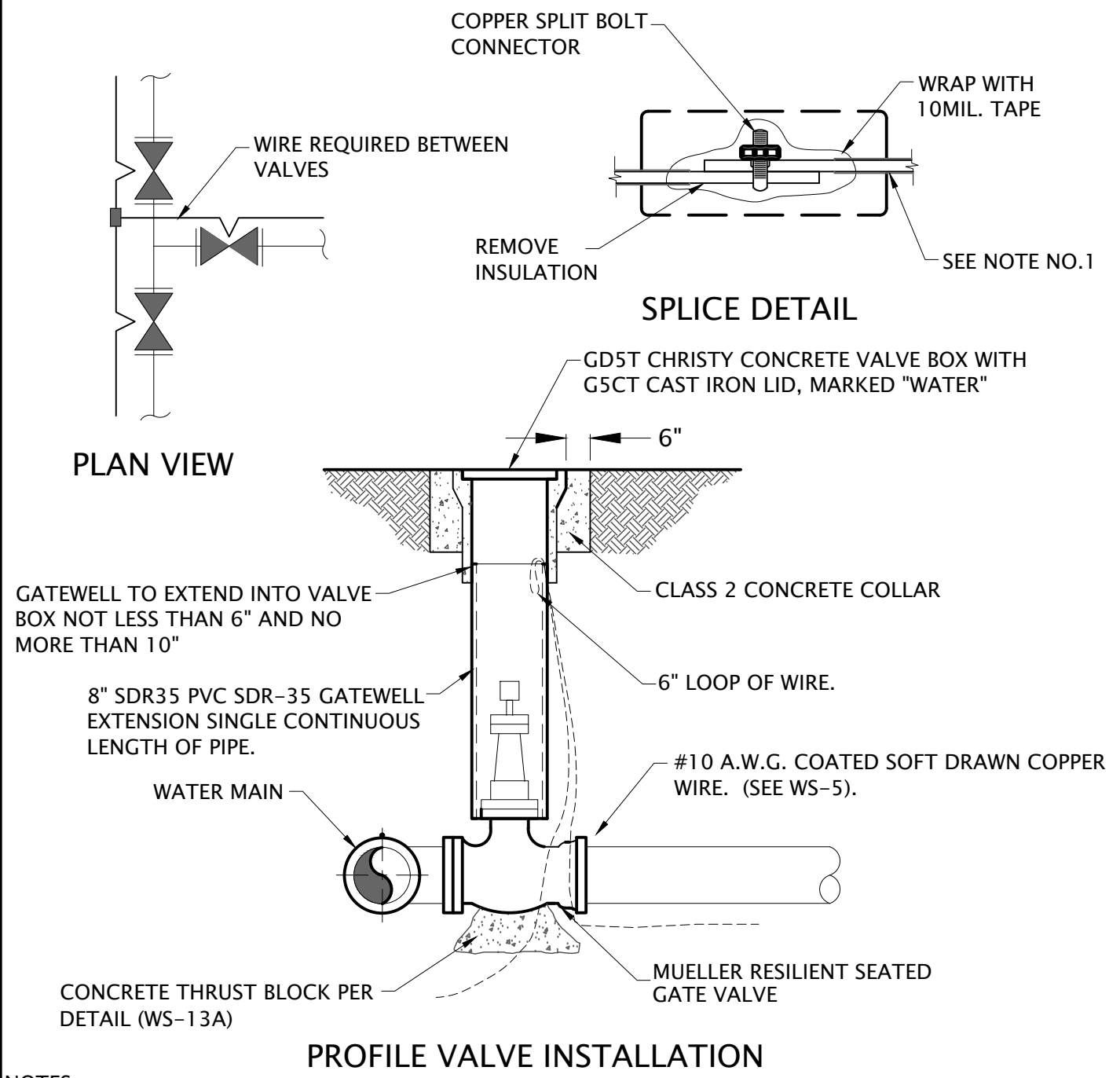
CHECKED BY: MSO

C5

SHT. 5 of SHT. 7

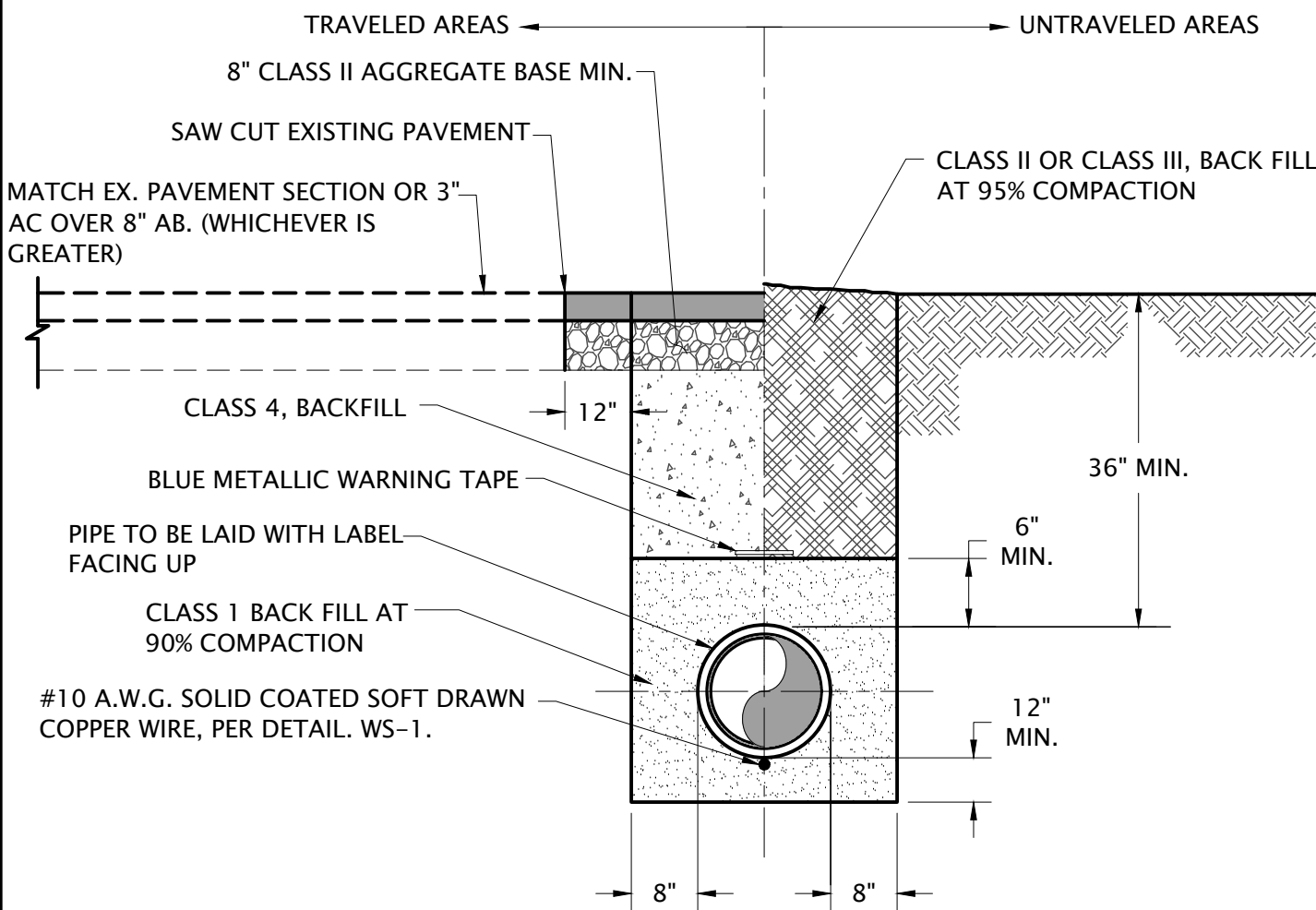
NOTES:

1. WIRE TO BE CONTINUOUS BETWEEN VALVE BOXES. A CONTINUITY TEST SHALL BE PERFORMED BY CONTRACTOR PRIOR TO FINAL ACCEPTANCE BY DISTRICT.
2. ALL FITTINGS TO BE WRAPPED w/ MINIMUM 6 MIL. POLYETHYLENE FILM.



NOTES:

ITEM #	ITEM DESCRIPTION	VALVE AND LOCATING WIRE INSTALLATION
1	SOLID No. 10, COPPER WIRE INSULATED WITH HIGH MOLECULAR WEIGHT POLYETHYLENE (HMWPE) - BLUE COLOR ONLY. (FOR DIRECT BURIAL USE ONLY).	
		DRAWN BY: DMV SCALE: N.T.S. DRAWING NO.: WS-1
		APPROVED: GSG DATE: APRIL 2016 BY: [Signature]
		REV No.: DATE: BY: [Signature]

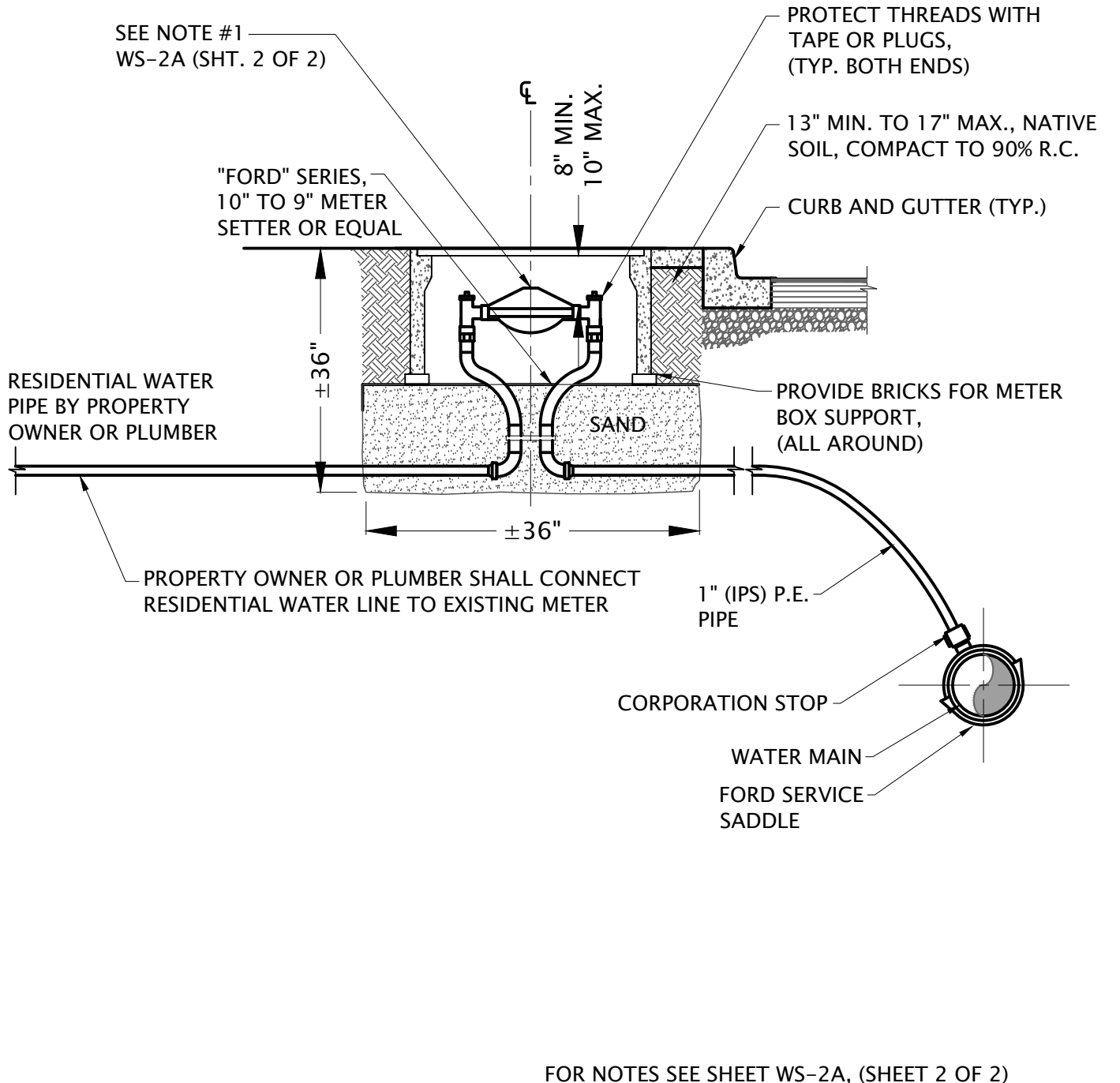


NOTES:

1. PIPE BEDDING SHALL COMPLY WITH DISTRICT IMPROVEMENT STANDARDS.
2. MINE TAILINGS ARE UN-ACCEPTABLE FOR ANY TRENCH BACKFILLING.
3. PIPE COVER 40" OR GREATER MUST BE PRE-APPROVED BY DISTRICT ENGINEER.
4. BLUE LOCATOR TAPE AT TOP OF PIPE BEDDING AND BACKFILL TO BE MARKED: "CAUTION - WATER LINE BURIED BELOW".
5. STRUCTURAL SECTION ELEMENTS MAY BE INCREASED WHERE REQUIRED BY THE DISTRICT ENGINEER DUE TO SOIL CONDITIONS AND/OR TRAFFIC CONSIDERATIONS. THE REPLACEMENT STRUCTURAL SECTION SHALL EQUAL THE EXISTING SECTION AS A MINIMUM REQUIREMENT IN GENERAL.

PIPE TRENCH BEDDING AND BACK FILL

DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-5
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		



FOR NOTES SEE SHEET WS-2A, (SHEET 2 OF 2)

STANDARD RESIDENTIAL METER

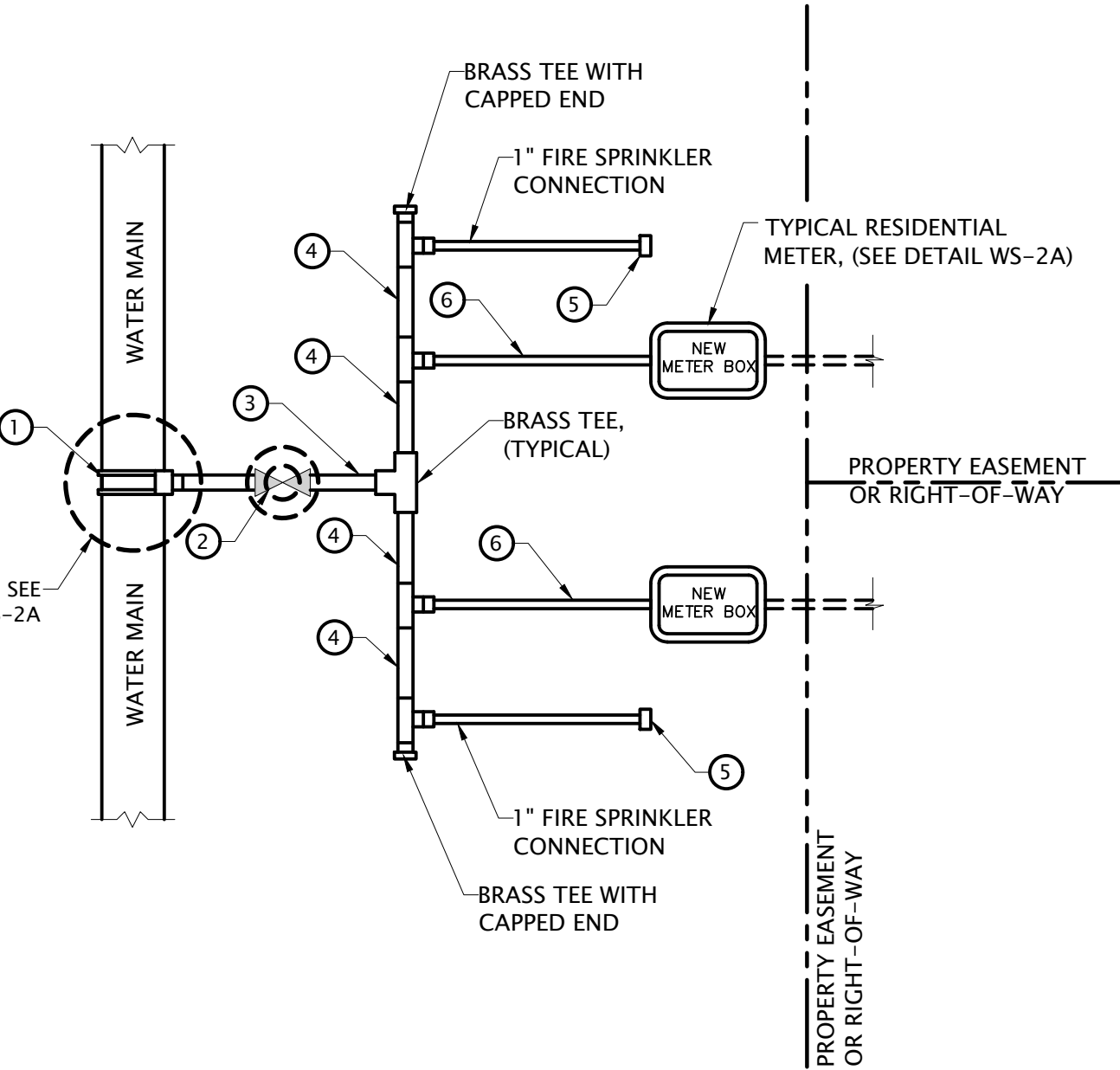
DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-2A
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		

NOTES:

1. CPUD FORCES WILL FURNISH AND INSTALL WATER METER AFTER PLUMBING PERMIT HAS BEEN ISSUED, RESIDENCE HAS PASSED FINAL BUILDING INSPECTION, AND METER FEES HAVE BEEN PAID. WATER METER MUST BE INSTALLED BEFORE FINAL OCCUPANCY IS GRANTED.
2. 6 MIL. POLYETHYLENE WRAP WITH 10 MIL. TAPER SHALL BE REQUIRED.
3. METER BOX SHALL BE "CHRISTY" B09 WITH CONCRETE COVER w/CI READER DOOR. "CHRISTY" B09G LID. EQUIVALENT BOXES, LIDS, AND SLABS MAY BE USED, SUBJECT TO DISTRICT APPROVAL.
4. FOR TRAFFIC OR ALLEY INSTALLATIONS, UTILITY BOX SHALL BE CHRISTY B1324 BOX H20 LOADING WITH B1324061GH STEEL CHECKER PLATE COVER WITH READING LID, 5" x 8".
5. PIPING FROM MAIN TO METER SHALL BE 1" IPS POLYETHYLENE STAINLESS STEEL INSERTS REQUIRED ON ALL P.E. TUBING FITTINGS.
6. ALL PIPE CONNECTIONS SHALL BE COMPRESSION TYPE: "MUELLER" C-110; FORD "PACK JOINT"; OR EQUAL.
7. SERVICE METER AND PIPE MUST NOT BE INSTALLED IN DRIVEWAY.
8. VARIANCES TO METER LOCATION SHALL BE APPROVED BY DISTRICT ENGINEER.
9. BEDDING AND BACKFILL REQUIRED ALONG SERVICE LINE PER STANDARD DETAIL, WS-5.
10. FOR METER BOXES AT PROPERTY LINE, SEE DETAIL WS-2B.
11. LOCATOR WIRE REQUIRED, SEE DETAIL WS-1.
12. THIS DETAIL APPLIES TO EXISTING RESIDENCES ONLY FOR NEW CONSTRUCTION SEE DETAIL WS-2D FOR FIRE SPRINKLER CONNECTIONS.
13. FOR MULTIPLE SERVICES SEE DETAIL WS-2D.

STANDARD RESIDENTIAL SERVICE CONNECTION

DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-2A
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		



NUMBERED NOTES:

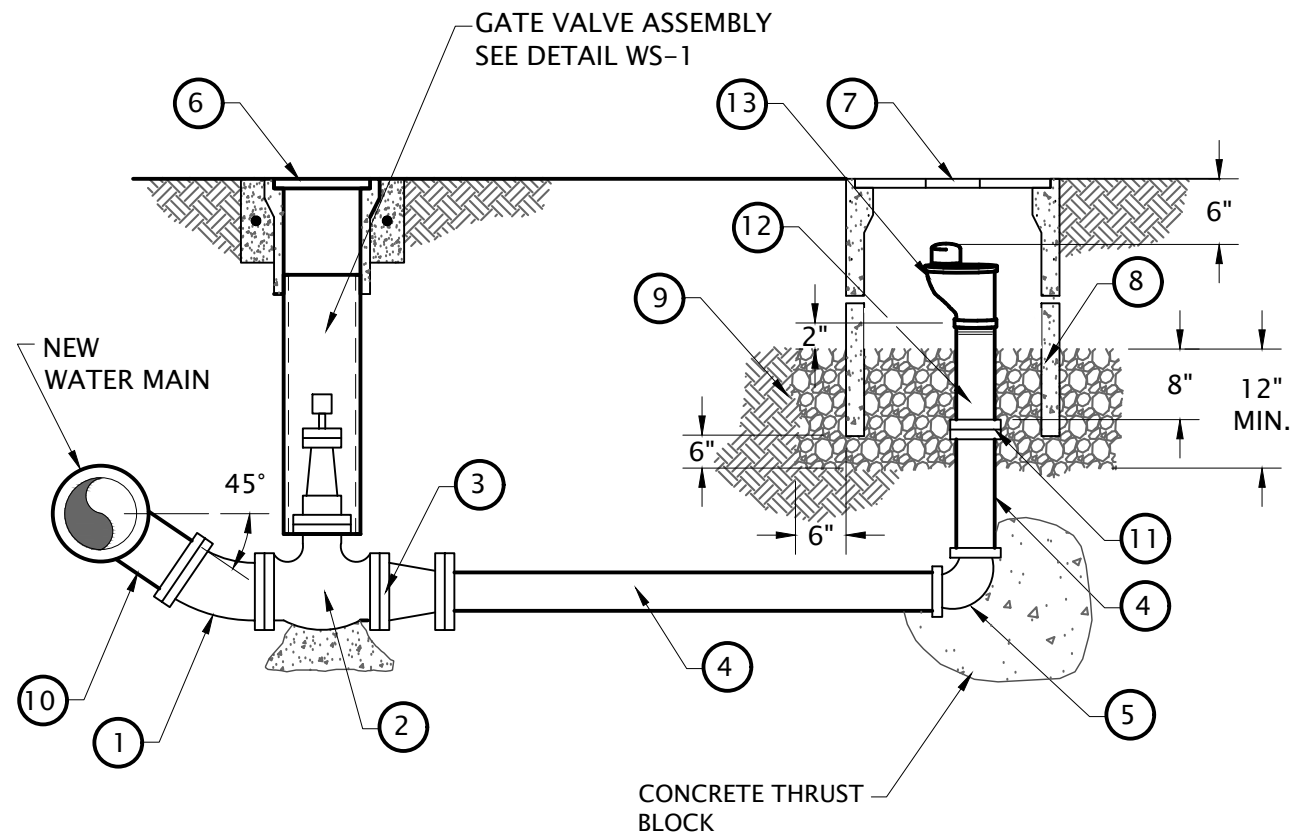
ITEM No.	ITEM DESCRIPTION
1	SERVICE SADDLE - FORD FS300
2	FORD CURB STOP IN VALVE BOX,
3	2" IPS POLYETHYLENE
4	8" LONG BRASS NIPPLE
5	CORPORATION STOP
6	1"Ø BRASS NIPPLE

SERVICE TAP
MULTI WATER METER MANIFOLD

DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-2C
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		

NOTES:

1. IN-LINE BLOW-OFF IS REQUIRED AT LOW POINTS.
2. THE TOP OF THE BOX SHALL BE FLUSH WITH PAVEMENT WHEN LOCATED IN TRAFFIC AREAS.
3. ALL BURIED NUTS AND BOLTS SHALL BE TYPE 316 STAINLESS STEEL.
4. LOCATOR WIRE PER DETAIL WS-1.
5. ALL FITTINGS WRAPPED IN 6 MIL. POLYETHYLENE



NOTES:

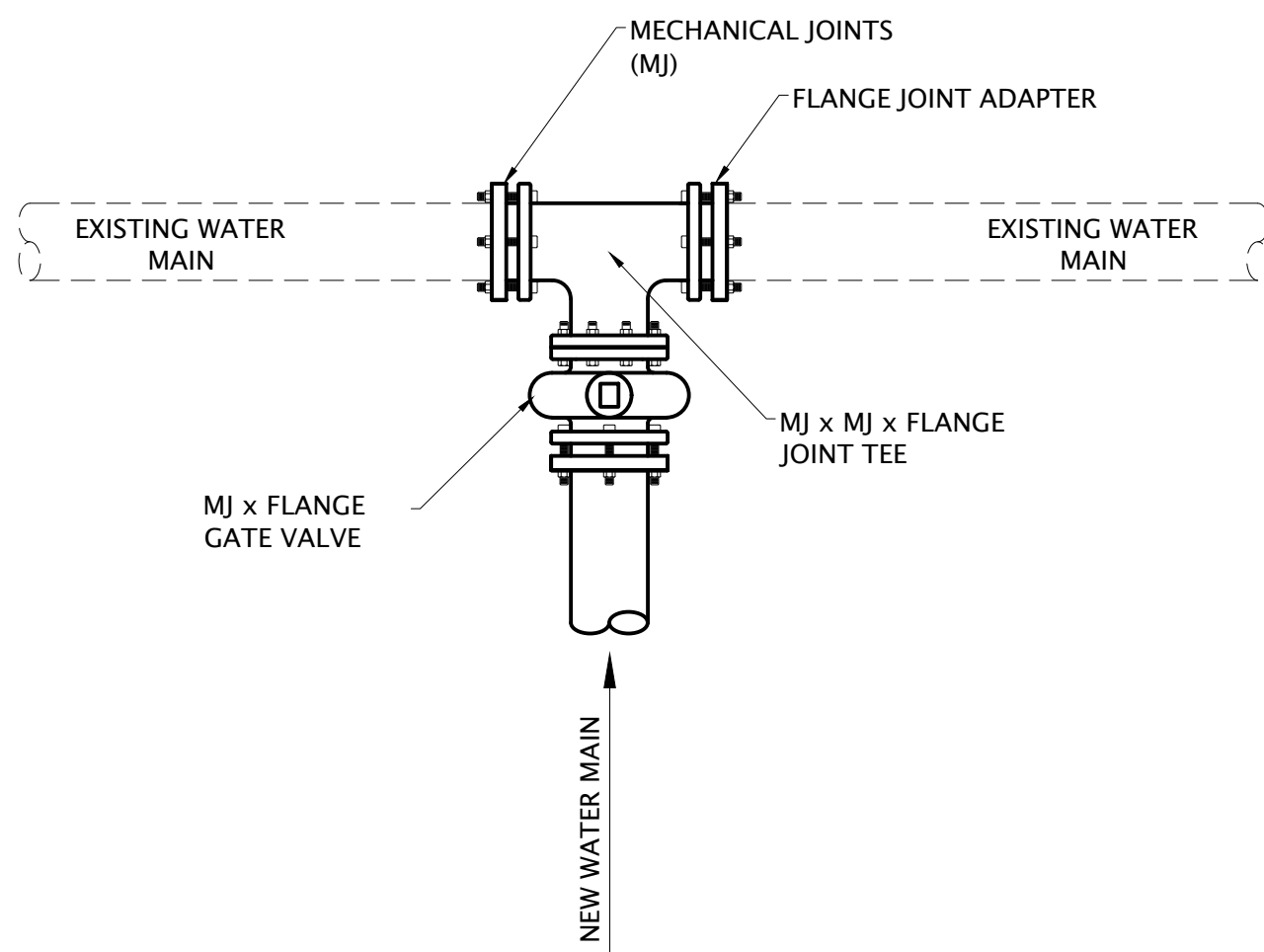
1. SEE NUMBERED NOTES ON SHEET WS-3 (SHT. 2 OF 2)
2. FIRE HYDRANT MAY BE USED IN LIEU OF BLOWOFF, (PER DETAIL WS-6A)

IN-LINE BLOW-OFF ASSEMBLY

DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-3
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		

NUMBERED NOTES:

- 1 45° BEND (DIP)
- 2 "MUELLER" RESILIENT SEATED, GATE VALVE - MATCH MAIN SIZE
- 3 REDUCER
- 4 2" C900
- 5 2" (DIP) 90° BEND, "FIELD LOK" GASKETS
- 6 TRAFFIC VALVE BOX PER WS-1
- 7 TRAFFIC BOX, CHRISTY NO. B1730 BOX (H-20 LOADING) WITH STEEL CHECKER PLATE COVER
- 8 VALVE BOX EXTENSION, CHRISTY (AS REQUIRED)
- 9 3/4" DRAIN ROCK
- 10 MJ x MJ, TEE
- 11 COMPANION FLANGE w/ THREADED IP OUTLET
- 12 2" BRASS NIPPLE, MIN OF 8" IN LENGTH
- 13 2" BLOW-OFF/FLUSHING HYDRANT, TRUFLO MODEL TF500 MANUFACTURED BY KUPFERLE FOUNDRY CO.



NOTE:

ALL INSTALLATIONS REQUIRE A SHUT DOWN AND DEWATERING OF THE EXISTING WATER MAIN

WATER MAIN, "CUT-IN" INSTALLATIONS

DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-8
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		

IN-LINE BLOW-OFF ASSEMBLY

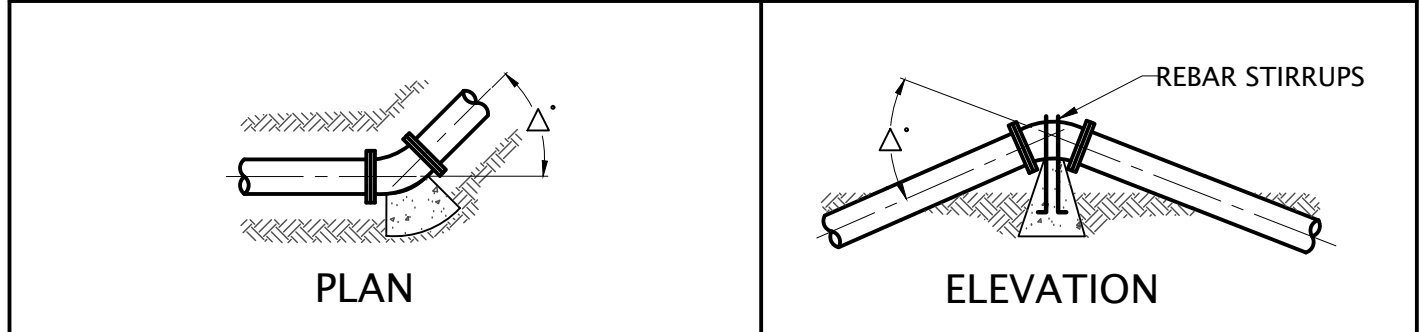
DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.: WS-3
APPROVED: GSG	DATE: APRIL 2016	BY: [Signature]
REV No.: DATE: BY: [Signature]		

REV. DATE	BY	DESCRIPTION
7/27/2026	DMV	PLAN UPDATE
8/03/2026	DMV	PLAN REVISIONS

WGA
ENGINEERING & SURVEYING
394 E. SAINT CHARLES ST. | PO BOX 251 | SAN ANDREAS, CA 95249
(209) 754-1824

RICH GULCH
WATERLINE IMPROVEMENT PROJECT
HIGHWAY 26
MOKELUMNE HILL
CALAVERAS COUNTY CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MATTHEW STEPHEN GOSWALD
No. 76594
CIVIL
STATE OF CALIFORNIA
PRJ. No.: 2957
DATE: 06/29/2026
SCALE: AS SHOWN
DRAWN BY: DMV
CHECKED BY: MSO
C6
SHT. 6 of SHT. 7



NOMINAL PIPE DIA. (IN.)	HORIZONTAL THRUST BLOCK BEARING AREA (SQ. FT.)				VERTICAL THRUST BLOCK VOLUME OF CONCRETE (CU. YD.)			
	$\Delta^\circ = 11\ 1/4^\circ$	$\Delta^\circ = 22\ 1/2^\circ$	$\Delta^\circ = 45^\circ$	$\Delta^\circ = 90^\circ$	$\Delta^\circ = 11\ 1/4^\circ$	$\Delta^\circ = 22\ 1/2^\circ$	$\Delta^\circ = 45^\circ$	$\Delta^\circ = 90^\circ$
4"	1.0	1.0	1.0	2.0	0.5	0.5	1.0	1.0
6"	2.0	2.0	3.0	4.0	0.5	0.5	1.0	2.0
8"	2.0	2.0	4.0	7.0	0.5	1.0	2.0	3.5
10"	3.0	3.0	6.0	12.0	1.0	1.5	3.0	5.5
12"	5.0	5.0	9.0	16.0	1.3	2.2	4.3	7.9

NOMINAL PIPE DIA. (IN.)	TEE	TEE w/BLDG. FLG.	CROSS	DEAD END	IN LINE VALVE
4"	2.0	2.0	2.0	2.0	1.3
6"	3.0	3.0	4.0	3.0	2.8
8"	5.0	5.0	7.0	5.0	5.0
10"	8.0	8.0	12.0	8.0	7.8
12"	12.0	12.0	16.0	12.0	11.3

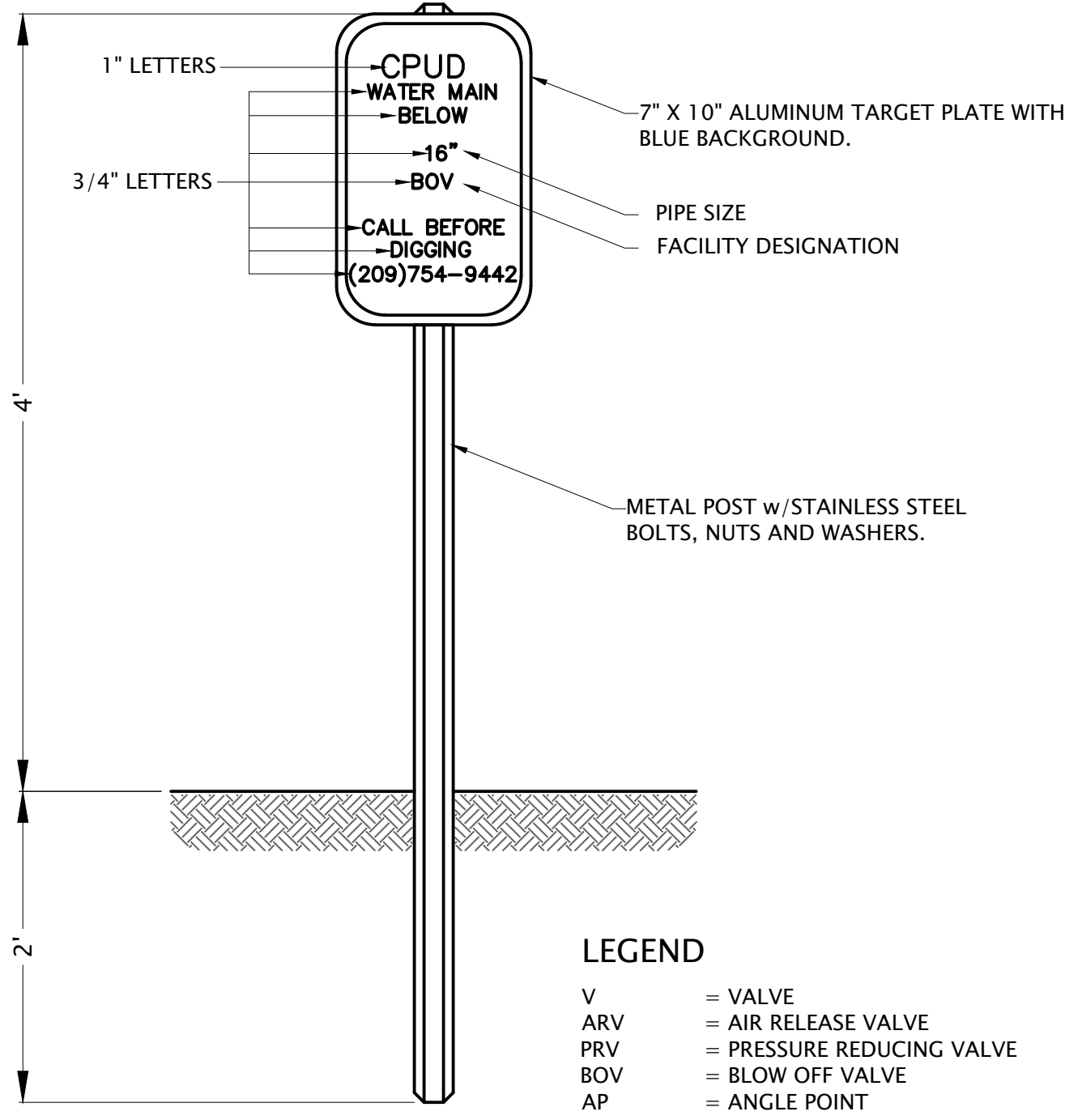
EACH HORIZONTAL THRUST BLOCK BEARING AREA (SQ. FT.)

NOTE:
SEE NOTES ON SHEET WS-13 (SHT. 2 OF 2)

THRUST BLOCK DETAILS			
DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.:	WS-13 SHEET 1 of 2
APPROVED: GSG	DATE: APRIL 2016	BY:	
REV No.:	DATE:	BY:	

- NOTES:
- THRUST BLOCK AREAS & VOLUMES GIVEN ARE FOR A TEST PRESSURE OF 150 psi AND A SOIL BEARING PRESSURE OF 2000 lb/sf. INSTALLATIONS USING HIGHER PRESSURES OR LOWER SOIL BEARING PRESSURES WILL REQUIRE ADJUSTMENT OF THRUST BLOCK SIZE; SUBJECT TO APPROVAL BY DISTRICT ENGINEER. CONTRACTOR SHALL CONFIRM SOIL CONDITIONS.
 - THRUST BLOCKS TO BE CONSTRUCTED OF CLASS "B" CONCRETE & SHALL BE POURED AGAINST UNDISTURBED SOIL.
 - WRAP ALL FITTINGS, NUTS, & BOLTS WITH 6 MIL. POLYETHYLENE FILM.
 - JOINTS, FACE OF PLUGS AND NUTS & BOLTS TO BE KEPT CLEAR OF CONCRETE AND MUST BE ABLE TO OPERATE WITHOUT DISTURBING THRUST BLOCK.
 - VERTICAL BENDS SHALL USE RESTRAINED JOINTS AND A FULL LENGTH OF PIPE ON EACH SIDE OF FITTING.
 - #4 REBAR SHALL BE PLACED AS SHOWN WITH 12" MINIMUM EMBEDMENT. REBAR STIRRUPS TO BE SHAPED WITH 90° BEND AT EACH END AND COATED WITH TWO COATS OF KOPPERS 505 OR EQUAL, 15 MILS EACH COAT. PLACE 14 GA. GALV. PLATE BETWEEN REBAR AND PIPE.
 - THRUST BLOCKS FOR REDUCERS SHALL HAVE A MINIMUM BEARING AREA OF 10 S.F..

THRUST BLOCK DETAILS			
DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.:	WS-13 SHEET 2 of 2
APPROVED: GSG	DATE: APRIL 2016	BY:	
REV No.:	DATE:	BY:	



- NOTES:
- LOCATION OF MARKER SHALL BE APPROVED BY DISTRICT ENGINEER BEFORE PLACEMENT.
 - TARGET PLATE & POST SHALL CONFORM TO SECTION 82 OF CALIFORNIA STANDARD SPECIFICATIONS.
 - ALL NUMBERS AND LETTERS SHALL BE STENCILED IN WHITE.

WATER FACILITY MARKER			
DRAWN BY: DMV	SCALE: N.T.S.	DRAWING NO.:	WS-15
APPROVED: GSG	DATE: APRIL 2016	BY:	
REV No.:	DATE:	BY:	

REVISIONS			
REV. No.	DESCRIPTION	REV. DATE	BY
1	PLAN UPDATE	7/27/2026	DMV
2	PLAN REVISIONS	8/03/2026	DMV
3			
4			
5			
6			

CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH WATERLINE REPLACEMENT PROJECT

ADDENDUM NO. 3

Prospective Bidders are advised as follows:

1. Bid date to be postponed until further notice.

Bidders shall note on Page 7 of the Bid Proposal acknowledgement of this Addendum No. 3.



Matt Ospital, District Engineer

8/14/26

#2957
Addendum No.3.doc

CALAVERAS PUBLIC UTILITY DISTRICT

RICH GULCH WATERLINE REPLACEMENT PROJECT

ADDENDUM NO. 4

Prospective Bidders are advised as follows:

1. **Bidders are advised the new Bid Opening date is Thursday, August 27th at 10am. The District Board of Directors will be considering Award of the project at a special board meeting that evening. The District is eager to get started on the project right away.**
2. Bidders are advised that the basis of award will be the base bid only and keep the Additive bid item separate from the base bid total.
3. Bidders are advised that the District has secured an offsite staging area at 12777 Hwy 26, Glencoe, CA, see attached Exhibit. Contractor shall leave the site in equal to or better condition than it was found upon project completion. Any damage to the existing property and or paved encroachment shall be repaired by the Contractor. Contractor shall provide the property owner with two transfer loads of Class 2 Aggregate Base Rock at an agreed upon location on his property. See revised Bid Summary, bid item #12.
4. Bidders are advised a temporary construction easement was not secured for this project. Contractor must work exclusively within the existing 25' wide easement that is centered over the existing water main. **It is critical that the contractor and its subcontractors work within the limits of the existing easement at all times during the course of construction.**
 - a. Contractor is directed to the attached "Easement Protection & Construction Access Plan" requirements.
 - b. Contractor is allowed to temporally place spoils on top of the existing transmission main within the easement area during construction to help protect the existing main. But all spoils shall be removed from the site when the project is complete.
 - c. Contractor shall install silt fencing on both sides of the existing easement at 12' offset from the existing easement centerline.
 - d. Contractor to install orange construction fencing on both sides of the existing easement at 12.5' offset from the existing easement centerline.
 - e. District will provide staking for the limits of silt and orange fencing.
 - f. Contractor shall leave the easement area in equal to or better condition than it was found upon project completion.

Full compensation for preparing the “Easement Protection & Construction Access Plan” along with complying with said approved plan, shall be included in the lump sum contract price for “Mobilization”.

5. Bidders are directed that as a result of not being able to work outside of the existing waterline easement, all the drain piping included in the “Enlarged Drain Plan” detail on plan sheet C3 shall be removed from the scope of work. The design intent will still be met; the drain piping was an extra design measure that can be eliminated.
6. Bidders are advised the CONSTRUCTION EROSIONITY WAIVER will expire on 11/02/2026.
7. Bidders are advised that the gate valve for the new blow off assembly shall be a 4” gate valve and not 16” as previously stated on Addendum #3 item 6. And 2” schedule 40 PVC for the blow off piping.
8. “On drawing C5, Typical Waterline Trench Detail, there is a callout “(P) 16” DIA Water Main Wrapped w/ Gripper Rings”. What product does “Wrapped w/ Gripper Rings” refer to?”

This refers to the ductile iron pipe shall be wrapped, and the ductile iron pipe shall have some sort of restrained joint system.

9. “In Addendum #1 it states “the ductile iron pipe shall be HDSS, TR Flex or approved equal”, the original specs there is a reference to “Tyton Joint Pipe with Field Lok gaskets or approved equal”. Is Tyton Joint Pipe w/ Field Lok gaskets considered an acceptable or equal product for the project?”

Yes it is.

10. “How many Water Facility Markers “detail WS-15 sheet C7” are required?”

Bidders shall include five (5) total facility markers in their bid.

11. Bidders are advised that all vegetation that is removed as a result of this project will be hauled offsite by the Contractor.
12. Bidders are directed that any unused dirt/material produced by the project (trench spoils) will be hauled offsite by the Contractor.
13. Bidders are advised this project is not subject to AIS requirements.
14. Bidders are directed to new bid items #11. Bid item #11 was already included on the plans, but not in the Bid Summary.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals including excavation, fittings, pipe bedding, backfill material, saddle, water service line in accordance with the plans and specifications shall be included in the contract price paid per each "2 inch diameter water service," and no additional compensation will be allowed therefore.

Bidders shall note on Page 7 of the Bid Proposal acknowledgement of this Addendum No. 4.

A handwritten signature in blue ink, appearing to read "Matt Ospital", is written over a horizontal line.

Matt Ospital, District Engineer

8/20/26

#2957
Addendum No.4

BID SUMMARY

RICH GULCH WATERLINE REPLACEMENT PROJECT 8/20/26

BASE BID:

Item	Quantity	Description	Unit Price	Total Price
1.	1 LS	Mobilization in accordance with the plans and specifications.	\$	\$
2.	1 LS	Locate & Protect Existing Utilities in accordance with the plans and specifications.	\$	\$
3.	1 LS	Sheeting, Shoring & Bracing in accordance with the plans and specifications.	\$	\$
4.	700 LF	16-inch Diameter DIP Waterline in accordance with the plans and specifications.	\$	\$
5.	3 EA	Connection to Existing Water Mains in accordance with the plans and specifications.	\$	\$
6.	6 EA	16-inch Diameter Gate Valve in accordance with the plans and specifications.	\$	\$
7.	1 EA	Blowoff Valve in accordance with the plans and specifications.	\$	\$
8.	2 EA	Connection to Existing Water Service in accordance with the plans and specifications.	\$	\$
9.	1 LS	Testing & Disinfection in accordance with the plans and specifications.	\$	\$
10.	1 LS	Pipeline Abandonment in accordance with the plans and specifications.	\$	\$
11.	1 EA	2" Diameter Water Service in accordance with the plans and specifications.	\$	\$
12.	46 TN	Aggregate Base Rock Road in accordance with the plans and specifications.	\$	\$
BID TOTAL			\$	

ADDITIVE ALTERNATE:

Item	Quantity	Description	Unit Price	Total Price
1.	18 LF	16-inch Diameter DIP Waterline in accordance with the plans and specifications.	\$	\$
BID TOTAL			\$	

CONTRACTOR NAME: _____

EASEMENT PROTECTION & CONSTRUCTION ACCESS PLAN

CONTRACTOR SUBMITTAL REQUIREMENTS

1.0 PURPOSE

The purpose of this requirement is to establish procedures and controls to ensure that all construction activities associated with the Project remain within the limits of the existing recorded waterline easement and that the Contractor, its subcontractors, suppliers, employees, equipment, and other agents do not enter, occupy, disturb, or otherwise trespass upon private property outside of the easement limits.

The Contractor shall be solely responsible for maintaining construction activities within the authorized easement limits and for ensuring that all subcontractors, suppliers, delivery personnel, and other parties working on or accessing the Project comply with these requirements.

No construction activity, equipment, material storage, vehicle parking, access, staging, or other use of private property outside the existing easement shall be permitted without prior written authorization from the District and the property owner.

2.0 REQUIRED SUBMITTAL

Prior to mobilization or commencement of any construction activities within the easement, the Contractor shall prepare and submit an "Easement Protection and Construction Access Plan" to the District for review and approval. The Plan shall be submitted a minimum of ten (10) working days prior to mobilization onto the property.

The Contractor shall not mobilize construction equipment, materials, personnel, subcontractors, or suppliers onto the property until the Plan has been approved by the District.

Approval of the Plan shall not relieve the Contractor of responsibility for maintaining all construction activities within the authorized easement limits.

3.0 PLAN REQUIREMENTS

The Easement Protection and Construction Access Plan shall include, at a minimum, the following information.

3.1 Property and Easement Boundaries

The Contractor shall provide a plan clearly identifying:

1. Existing property boundaries.

2. Limits of the recorded waterline easement.
3. Existing waterline alignment.
4. Proposed construction limits.
5. Existing roads, driveways, structures, fences, gates, landscaping, and other improvements adjacent to the easement.
6. All areas proposed for construction access.
7. All areas proposed for equipment operation.
8. All proposed material storage and staging areas.
9. All proposed spoil storage areas.
10. All proposed truck access, loading, unloading, and turnaround areas.

The easement limits shall be based upon the recorded easement document and the project survey, both to be provided by the District.

3.2 Field Staking and Delineation

Prior to commencing construction, the District will physically establish and clearly delineate the easement limits in the field.

The Contractor shall provide, at a minimum:

- Silt Fencing at 12' offset from the existing easement centerline.
- High-visibility construction fencing, snow fencing, barrier tape, or other approved physical delineation at 12.5' offset from the existing easement centerline.
- Signs identifying the limits of authorized construction activity.
- Clearly identified construction access points.
- Clearly identified areas that are off-limits to construction personnel and equipment.

The Contractor shall maintain all stakes, fencing, barriers, and signs for the duration of construction and shall replace or repair them immediately if damaged, displaced, or removed.

The Contractor shall not rely solely upon existing fences, property lines, vegetation, driveways, or other physical features to determine the limits of the easement.

3.3 Construction Access

The Plan shall identify the specific route that will be used by:

- Contractor vehicles;
- Construction equipment;
- Subcontractors;
- Material delivery trucks;
- Concrete trucks;
- Dump trucks;
- Service vehicles;
- Employee vehicles; and

- Other vehicles accessing the Project.

All access routes shall remain within the authorized easement limits unless separate written authorization has been obtained.

The Contractor shall demonstrate how construction vehicles will enter, exit, turn around, load, unload, and otherwise maneuver without entering areas outside the easement.

3.4 Equipment Operations

The Contractor shall provide a list of all major construction equipment anticipated to be used within the easement.

The equipment list shall include, as applicable:

- Excavators;
- Backhoes;
- Loaders;
- Dump trucks;
- Water trucks;
- Compaction equipment;
- Concrete trucks;
- Trailers;
- Service trucks;
- Fuel/service vehicles; and
- Other equipment anticipated to operate within the easement.

The Plan shall identify the proposed operating areas for each major piece of equipment. The Contractor shall account for the complete operating envelope of each piece of equipment.

Equipment shall not be positioned within the easement in a manner that causes any portion of the equipment, load, attachment, or operating envelope to extend onto private property outside the easement.

4.0 MATERIAL STORAGE, STAGING, AND SPOIL

All construction materials, excavated material, equipment, tools, debris, and other items associated with the Project shall be stored or staged within the easement limits or within other areas specifically authorized in writing.

The following activities are prohibited outside the easement limits unless specifically authorized in writing:

- Equipment parking;
- Employee parking;
- Material storage;
- Equipment storage;

- Construction staging;
- Spoil piles;
- Excavated material;
- Truck waiting areas;
- Truck loading or unloading;
- Fueling;
- Equipment maintenance;
- Concrete washout;
- Construction trailers;
- Temporary facilities; and
- Laydown areas.

The Contractor shall maintain sufficient space within the easement to prevent construction materials, equipment, or excavated material from encroaching onto adjacent private property.

5.0 SUBCONTRACTOR AND SUPPLIER COMPLIANCE

The Contractor shall be responsible for ensuring that all subcontractors, suppliers, material haulers, delivery personnel, employees, and other parties associated with the Project understand and comply with the Easement Protection and Construction Access Plan.

Prior to performing work or delivering materials to the Project, the Contractor shall provide each subcontractor and applicable supplier with a copy of the approved Plan and shall inform them of the limits of authorized construction activity.

The Contractor shall remain fully responsible for any unauthorized entry or activity by its subcontractors, suppliers, employees, delivery personnel, or other agents.

A subcontractor's or supplier's failure to understand the easement limits shall not constitute justification for unauthorized entry onto private property.

6.0 DAILY INSPECTION AND MONITORING

The Contractor's designated Superintendent or responsible field representative shall inspect the construction limits at the beginning of each workday and following any significant change to the work area.

The inspection shall verify that:

1. Easement boundary markings remain in place.
2. Construction fencing and barriers remain intact.
3. Equipment remains within the authorized limits.
4. Materials and spoil remain within the authorized limits.
5. Access routes remain within the authorized limits.
6. Subcontractors and suppliers are complying with the Plan.

7. No unauthorized activities are occurring on adjacent private property.

The Contractor shall maintain a daily record documenting these inspections. The records shall be made available to the District upon request. Full records shall be provided to the District upon project completion.

7.0 PROHIBITION OF UNAUTHORIZED ENTRY

The Contractor shall not rely upon verbal authorization, apparent access, historical use, physical conditions in the field, or instructions from persons other than the District's authorized representative as permission to enter or occupy property outside the easement.

Any area outside the authorized easement limits shall be considered private property and shall be off-limits to the Contractor unless written authorization has been obtained.

No Contractor employee, subcontractor, supplier, or other Project representative shall enter or occupy property outside the easement limits without prior written authorization.

8.0 UNAUTHORIZED ENTRY OR TRESPASS

If any Contractor, subcontractor, supplier, employee, delivery vehicle, equipment, or other Project representative enters outside the easement limits without authorization, the Contractor shall immediately:

1. Stop the affected activity.
2. Remove the equipment, personnel, materials, or vehicles from the unauthorized area.
3. Notify the District's authorized representative.
4. Document the incident, including the location, date, time, equipment involved, personnel involved, and circumstances resulting in the unauthorized entry.
5. Take immediate measures to prevent recurrence.
6. Repair or restore any damage caused by the unauthorized entry or activity.
7. Cooperate with the District and property owner regarding any required restoration or corrective action.

The Contractor shall be responsible for all costs associated with unauthorized entry or damage caused by the Contractor, its subcontractors, suppliers, employees, or agents.

9.0 CHANGES TO APPROVED PLAN

The Contractor shall not modify the approved access routes, staging areas, equipment operating areas, or other construction limits without prior approval from the District.

If field conditions require the Contractor to perform work or access an area outside the approved limits, the Contractor shall stop and notify the District prior to proceeding.

Any proposed use of property outside the existing easement shall require separate written authorization from the property owner and approval by the District prior to such use.

10.0 CONTRACTOR RESPONSIBILITY

The Contractor acknowledges that the existing easement limits constitute the maximum authorized area available for construction activities unless otherwise authorized in writing.

The Contractor shall be solely responsible for planning and executing its work in a manner that prevents unauthorized entry onto adjacent private property.

The Contractor shall not be entitled to additional compensation or an extension of time resulting from its failure to adequately plan for construction access, equipment operation, material storage, staging, or other activities within the easement limits.

11.0 REQUIRED PLAN DRAWING

The Easement Protection and Construction Access Plan shall include at least one plan-view drawing showing the following:

- Property boundaries;
- Recorded easement boundaries;
- Existing waterline;
- Proposed improvements;
- Construction limits;
- Construction access routes;
- Equipment operating areas;
- Material storage areas;
- Spoil areas;
- Truck loading/unloading areas;
- Truck turnaround areas;
- Temporary fencing/barriers;
- Construction gates;
- Areas specifically identified as "NO ACCESS / NO TRESPASS"; and
- Any other areas necessary to demonstrate compliance with this requirement.

The drawing shall be sufficiently detailed to demonstrate that the Contractor can complete the work without entering property outside the easement. Project Base Map can be provided by the District upon request from the Contractor.

12.0 CONTRACTOR ACKNOWLEDGMENT

Prior to mobilization, the Contractor shall execute a written acknowledgment confirming that:

1. The Contractor has reviewed the recorded waterline easement.

2. The Contractor understands the limits of the easement.
3. The Contractor has verified or caused the easement limits to be verified in the field.
4. The Contractor understands that all construction activities must remain within the easement unless separately authorized in writing.
5. The Contractor has provided the approved Easement Protection and Construction Access Plan to all applicable subcontractors and suppliers.
6. The Contractor accepts responsibility for ensuring compliance by its employees, subcontractors, suppliers, and agents.
7. The Contractor understands that unauthorized entry onto adjacent private property is prohibited.

13.0 MINIMUM SUBMITTAL PACKAGE

The Contractor's submittal shall consist of, at a minimum:

- Easement Protection and Construction Access Plan.
- Plan-view drawing showing property and easement limits.
- Proposed construction access routes.
- Equipment list and operating areas.
- Material storage and staging plan.
- Spoil management plan.
- Truck access and turnaround plan.
- Proposed fencing, staking, and physical boundary controls.
- Subcontractor and supplier notification procedure.
- Daily easement inspection procedure.
- Unauthorized entry response procedure.
- Contractor Easement Boundary Acknowledgment.

14.0 APPROVAL

The Contractor shall obtain written approval of the Easement Protection and Construction Access Plan from the District prior to mobilization.

District review and approval of the Plan shall not relieve the Contractor of responsibility for complying with the recorded easement, applicable laws, the Contract Documents, or the property rights of the affected property owner.

The Contractor remains responsible for all construction means, methods, techniques, sequences, procedures, access, equipment operation, and activities necessary to complete the Project while remaining within the authorized easement limits.



POSSIBLY
STAGING AREA

12777 Hwy 26

Stephen P. Teale Hwy

Ponderosa Way

Google Maps

**CALAVERAS PUBLIC UTILITY DISTRICT
MEMORANDUM**

To: Board of Directors

From: Mathew Roberts, General Manager

Subject: Dam Safety Surveillance and Monitoring Plan (DSSMP) Update – GEI Consultant

Date: August 27, 2026

The District's Dam Safety Surveillance and Monitoring Plan (DSSMP) was last updated in 2017. During FERC's 2022 Part 12D inspection, FERC noted that the plan needed to be updated. The District notified FERC that it would complete the update

In early 2026, Rich Sanchez with GEI Consultants reviewed the District's outstanding FERC items with the Board, including which work could be completed under the District's existing Chief Dam Safety Engineer contract.

Staff has included \$40,000 in the approved FY 2026-27 budget to complete the DSSMP update. Staff recommends having GEI Consultants, Inc., the District's current Chief Dam Safety Engineer, complete the work under the existing contract.

Recommendation:

Authorize the General Manager to issue a Notice to Proceed to GEI Consultants, Inc. for the DSSMP update, under the existing Chief Dam Safety Engineer Services contract, in an amount not to exceed \$40,000.

Respectfully Submitted,

Mathew Roberts
General Manager





Consulting
Engineers and
Scientists

August 25, 2026

via email: mroberts@cpud.org

Mr. Mathew Roberts
General Manager
Calaveras Public Utility District (CPUD)
506 W. St. Charles
San Andreas, CA 95249

Re: Proposal for Middle Fork Dam, Dam Safety Surveillance Monitoring Plan (DSSMP) Update

Dear Mr. Roberts:

As requested, in this letter GEI Consultants, Inc (GEI) provides our proposed scope of services, schedule, and cost estimate for performing an update of the Middle Fork Dam DSSMP in accordance with the Federal Energy Regulatory Commission's (FERC) requirements.

The current DSSMP was last updated in 2017. During the 2022 FERC 8th Part 12D Periodic Inspection (P.I.) of Middle Fork Dam it was noted the DSSMP had to be updated which CPUD acknowledged and agreed to perform.

This letter proposal includes the scope, schedule, and cost for performing an update of the 2017 Middle Fork Dam DSSMP for your review and approval.

Scope of Work:

The current 2017 DSSMP for Middle Fork Dam will be updated in accordance with FERC's current requirements as outlined in Chapter 14 and Appendix J of FERC's Engineering Guidelines. In addition, GEI will include specific updates to the DSSMP that were identified as necessary during FERC's 2022 8th Part 12D P.I. and listed under the 8th Part 12D PI Report's Recommendations (R) that included R-2, R-13, R-15 thru R-18, and R-20 thru R-24.

This work will be performed solely by GEI under our previously approved agreement for professional services contract dated May 12, 2020, between the CPUD and GEI, and will be billed under GEI Project No. 2002674 as a new Task Order titled "DSSMP Update".

www.geiconsultants.com

GEI Consultants, Inc.
11010 White Rock Road, Suite 200, Rancho Cordova, CA 95670
916.631.4500

The main task "DSSMP Update" will have the following sub components

- 1: Project management and meetings.
- 2: Review existing related reference documentation.
- 3: Draft DSSMP Update, administration, and submittal to CPUD for review
(One round of review was considered in the cost estimate below).
- 4: Address CPUD's review comments, administration, and Final DSSMP Update.
5. Quality Assurance/Quality Control of Draft and Final DSSMP.

Schedule

The DSSMP Update project work will commence upon GEI receiving a Notice to Proceed (NTP) from Mr. Roberts via email and will be completed by December 17, 2026. This schedule is based on receiving a NTP prior to September 7, 2026 with key project dates listed below.

1. Project management and meetings will cover the entire project timeline (NTP to Dec. 17, 2026).
2. Review existing related documentation will be accomplished during the month of September 2026.
3. Draft of the DSSMP will be submitted to CPUD on or prior to December 8, 2026.
4. Review comments back from CPUD within one week of receiving Draft DSSMP.
5. Final DSSMP to CPUD for e-filing to FERC on or prior to December 17, 2026.

Estimated Cost Breakdown and Total Cost

1. Project management and meetings.....\$ 3,500
2. Review related project documentation..\$ 3,000
3. Draft DSSMP and Administration.....\$ 25,000
4. Final DSSMP and Administration.....\$ 3,000
5. QA/QC of Draft & Final DSSMP.....\$ 5,500
- Total Project Cost.....\$40,000 (Not to be Exceeded)

The above estimated amounts are based on past levels of efforts to accomplish similar type work. GEI's billing rates for staff will be in accordance with the attached 2026 fee schedule. GEI will manage the project based on a total authorized amount of \$40,000 (not to be exceeded) and the understanding that item amounts (1) thru (5) above could vary depending on the actual level of effort.

GEI appreciates the opportunity to assist CPUD on this important project and looks forward to working with you and receiving your NTP.

If any questions regarding this proposal please contact me at rsanchez@geiconsultants or 916-350-1769.

Sincerely,

GEI CONSULTANTS, INC.



Richard Sanchez, P.E.
Principal-in-Charge

Attachment:

GEI 2026 Standard Fee Schedule

FEE SCHEDULE

<u>Personnel Category</u>	<i>Hourly Billing Rate</i> <u>\$ per hour</u>
Staff Professional – Grade 1	\$ 158
Staff Professional – Grade 2	\$ 174
Project Professional – Grade 3	\$ 190
Project Professional – Grade 4	\$ 214
Senior Professional – Grade 5	\$ 253
Senior Professional – Grade 6	\$ 288
Senior Professional – Grade 7	\$ 343
Senior Consultant – Grade 8	\$ 383
Senior Consultant – Grade 9	\$ 467
Senior Principal – Grade 10	\$ 467

Senior Drafter and Designer	\$ 190
Drafter / Designer and Senior Technician	\$ 174
Field Professional	\$ 176
Technician, Word Processor, Administrative Staff	\$ 142
Office Aide	\$ 111

These rates are billed for both regular and overtime hours in all categories.

Rates will increase up to 5% annually, at GEI's option, for all contracts that extend into the next calendar year. Rates for Deposition and Testimony are increased 1.5 times.

OTHER PROJECT COSTS

Subconsultants, Subcontractors and Other Project Expenses - All costs for subconsultants, subcontractors and other project expenses will be billed at cost plus a 15% service charge. Examples of such expenses ordinarily charged to projects are subcontractors; subconsultants: chemical laboratory charges; rented or leased field and laboratory equipment; outside printing and reproduction; communications and mailing charges; reproduction expenses; shipping costs for samples and equipment; disposal of samples; rental vehicles; fares for travel on public carriers; special fees for insurance certificates, permits, licenses, etc.; fees for restoration of paving or land due to field exploration, etc.; state and local sales and use taxes and state taxes on GEI fees. The 15% service charge will not apply to GEI-owned equipment and vehicles or in-house reproduction expenses.

Field and Laboratory Equipment Billing Rates – GEI-owned field and laboratory equipment such as pumps, sampling equipment, monitoring instrumentation, field density equipment, portable gas chromatographs, etc. will be billed at a daily, weekly, or monthly rate, as needed for the project. Expendable supplies are billed at a unit rate.

Transportation and Subsistence - Automobile expenses for GEI or employee owned cars will be charged at the rate per mile set by the Internal Revenue Service for tax purposes plus tolls and parking charges or at a day rate negotiated for each project. When required for a project, four-wheel drive vehicles owned by GEI or the employees will be billed at a daily rate appropriate for those vehicles. Per diem living costs for personnel on assignment away from their home office will be negotiated for each project.

PAYMENT TERMS

Invoices will be submitted monthly or upon completion of a specified scope of service, as described in the accompanying contract (proposal, project, or agreement document that is signed and dated by GEI and CLIENT).

Payment is due upon receipt of the invoice. Interest will accrue at the rate of 1% of the invoice amount per month, for amounts that remain unpaid more than 30 days after the invoice date. All payments will be made by either check or electronic transfer to the address specified by GEI and will include reference to GEI's invoice number.