

**Calaveras County Water District  
Copper Cove, California  
Bidding Documents  
Copper Cove Water System Improvements Project – C-Tank Booster Pump  
Station Modifications and Transmission Main**

**ADDENDUM NO. 2  
Issued February 27, 2025**

The Drawings and Project Manual including Specifications are modified as follows. Addendum No. 2 forms a part of the Contract Documents and modifies the original documents dated January 2025.

This Addendum consists of five (5) pages and two (2) attachments:

- Attachment A: Revised Drawings
- Attachment B: Revised Bid Form

Bidder's Note: Bidder shall acknowledge receipt and examination of this addendum on the Bid form and attach a signed copy to the Bid, both as required by the Sealed Proposal.

**Contract Documents - Drawings Changes:**

Modify the following drawings per the instruction outlined below:

- 1) Replace the following sheets with revised drawings provided in Attachment A:
  - A) C02
  - B) C03
  - C) C04
  - D) C05
  - E) C06
  - F) C07
  - G) C08
  - H) C09
  - I) C19
  - J) C20
  - K) C22

## Contract Documents – Specifications Change:

- 1) Replace Bid Form per Attachment B.
- 2) Revise Section 01 10 00: Summary, as follows:

### “1.12 Work Sequence

B. Work shall be performed according to the schedule at the end of this paragraph. The Contractor is encouraged to expand upon, suggest modification and adjust the schedule to improve construction sequencing. Any revisions to the following schedule shall require District review and approval. Some sequencing may be subject to change as dictated by plant operations staff due to unforeseeable weather and water demand changes. Work shall tentatively be performed as follows:

1. Construction of 20" ductile pipe transmission main from the WTP booster pump station to the C-Tanks.
  - a. Throughout transmission main construction remove existing trees, debris, and asphalt as needed. Repair roadways to previous condition.
  - b. ~~Remove the blind flange from existing 20" DIP wye at station 1+04.6 at the WTP.~~
  - c. Construct new 20" DIP transmission main from station 1+04.6 to **121+64. C-Tank site. Pressure Test and Disinfect transmission main per AWWA standards.**
  - d. **Tie-in to existing wye at WTP BPS.**
  - e. **Tie-in C-Tanks outlet piping. Tie-in to existing C-Tank site piping requires isolation of the C-Tanks from the system. C-Tanks may only be taken offline during night time hours and coordinated with the District.**
  - e. ~~Install altitude valve with vault and bypass.~~
  - f. ~~Tie-in to existing C-Tank site piping requires isolation of the C-Tanks from the system. C-Tanks may only be taken offline during winter months.~~
2. **Provide Temporary Soft-starters for one existing backwash pump and two existing effluent pump during MCC Panel switchover.**
3. Install three (3) new high-head pumps at the WTP booster pump station. Maintain at least two (2) booster pumps in service at all times pumping to B-Tanks.
  - a. Install new high-head pump in empty pump can #3.
  - b. Install electrical equipment and wiring, then perform startup and testing for Pump #3.
  - c. Take existing Pump #1 offline and remove Pump #1.
  - d. Install new high-head pump in pump can #1.
  - e. Install electrical equipment and wiring, then perform startup and testing for Pump #1.
  - f. Take existing Pump #2 offline and remove Pump #2.
  - g. Install new high-head pump in pump can #2.
  - h. Install electrical equipment and wiring, then perform startup and testing for Pump #2.

**4. Tie-in to C-Tanks after new MCC Panels and two new Pump is installed:**

**a. Install altitude valve with vault and bypass**

~~5. Steps #1 and #2 above can be done simultaneously.~~

~~4. Disinfect the new 20" DIP transmission main and prepare for start up in conjunction with the District to begin filling C-Tank directly from the WTP booster pump station.~~

5. Install 6" altitude valve within the existing B-Tank Site vault.

a. Close valve 17 to isolate the B-Tank Inlet line.

b. Install new DIP and 6" altitude valve up to valve 23.

c. Close valve 18 to isolate the B-Tank to C-Tank transmission line.

d. Tie-in existing B-Tank to C-Tank transmission line to new B-Tank inlet line."

3) Add to Section 01 14 00: Work Restriction, as follows:

"1.03 INTERRUPTION OF FACILITY OPERATIONS

...

**F. All of the following shutdowns to District facilities shall be performed during Night Work. MCC Panel Replacement Back-up power and soft starters shall be provided, inspected, and approved by the District's Engineer. Back-up power and soft starters shall be provide to maintain 2 effluent pumps and one backwash pump during the switchover."**

4) Revise section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:

"2.02 PERFORMANCE AND DESIGN REQUIREMENTS

A. Performance Parameters:

1. High Head Pump (variable speed):

a. Primary design conditions (pumps in parallel): 3,300 gpm at ~~435~~ **430** FT TDH and 82 percent minimum efficiency.

b. Secondary design conditions (single pump): 1,650 gpm at 440 400 FT TDH ~~and 82 percent minimum efficiency.~~

c. Maximum speed: 1770 rpm.

d. Maximum required horsepower: 250 HP anywhere on curve.

e. Maximum shutoff condition: 0 gpm at 575 FT.

f. Column size: 10 IN.

g. Discharge flange: 20 IN (350 psi flange).

h. Type of discharge head: surface type, fabricated.

i. NPSH required: 13.80 FT.

j. Minimum submergence available: 3.5 FT."

**Responses to Bidder Questions:**

**Question #1: Can you please clarify paving limits and encroachment permit/county inspection cost estimates?**

**Response #1:** CCWD will pay inspection costs.

**Question #2: Specification Section 33 01 22-2.01 lists American Ductile Iron Pipe, McWane Ductile, and U.S. Pipe along with their joint restraint system as Acceptable Manufacturers. Per the Instructions to Bidders, Article 11 – Substitute And “Or-Equal” Items, we would like to submit Electrosteel USA Ductile Iron Pipe with Gripper Restraining Gasket as an “Or-Equal” Restrained Ductile Iron product. See attached product details. Please confirm if this will be an acceptable product for the referenced project.**

**Response #2:** No.

**Question #3: There are several sections along the proposed pipeline alignment (i.e. STA 45+00 to 53+00 and 6+00 to 9+00) where the centerline of pipe is shown approx. 2’-3’ off the EP. At these locations there is little to no shoulder with 8’-10’ drops off the roadway and steep slopes, which will not allow the minimum coverage horizontally due to the slopes and elevation changes. Is it the Engineer’s intent to build the embankment/shoulder out to achieve the coverage, move the alignment into the roadway and/or move the alignment to the toe of the slopes, or some other option? Please clarify.**

**Response #3:** The alignment has been revised, please see revised drawings in Attachment A. The paving quantities have been adjusted on the revised bid form in Attachment B. Engineer’s estimate has been updated to \$9.5 M based on revised quantities.

**Question #4: The bid quantity in the current Bid Schedule indicates a bid quantity of 19-EA 20” Gate Valves, we can only identify 11 Gate Valves in the plan set. We would like to request the bid quantity be adjusted or the other valve locations identified.**

**Response #4:** The bid form has been revised and is provided in Attachment B.

**Question #5: The Project Specifications require all fittings and joints be restrained, will concrete kickers also be required?**

**Response #5:** Yes. Thrust blocks are required at existing pipeline to new pipeline tie-in connections.

**Question #6:** Detail 2-Sheet C20 depicts a detail for “Future Installation Stub-Outs”, we cannot locate any of these assemblies on the plan sheets. Will any future installation stub-outs be required as part of this project?

**Response #6:** No, this detail has been removed. Please see revised drawings provided in Attachment A.

**Question #7:** There are several “blow-offs” shown along the pipeline alignment, as depicted in the Single Line Symbology”, and no Fire Hydrants. As there is no Blow-Off detail included in the plan set and not bid item for Blow-Offs, we are assuming these are representing the proposed Fire Hydrant locations, please confirm.

**Response #7:** The blow-off detail has been added to the revised drawings in Attachment A.

**Question #8:** Reference Sheet M01 and M02, is the contractor to re-use the 12” Flex Couplings and 2” Combination Air/Vac Valve assemblies for Pumps #1 and #2, or are we to furnish new couplers and ARV assemblies?

**Response #8:** The contractor shall re-use the existing flex couplings and 2” combination air/vac valve assemblies.

**Question #9:** The Encroachment Permit for Calaveras County indicates that the Intermediate Backfill material within 3’ of Edge of Pavement is to be Imported Class 2 Aggregate Base. It appears the proposed alignment will result in all trenches along Little John Rd. will be within 3’ of the EP. Is it the Engineer’s opinion that all trenches along Little John Rd. will require 100% export of spoils and import of Ag Base?

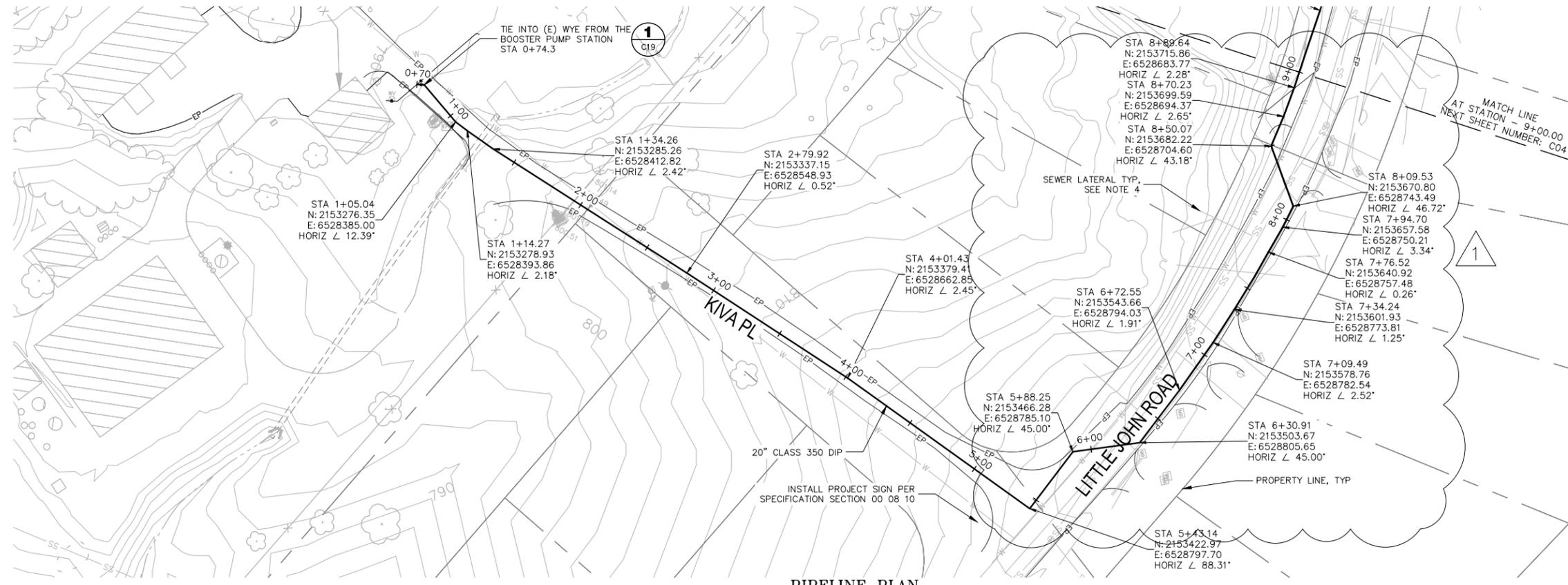
**Response #9:** Yes, per country specification all backfill will be imported.

**(NOTE – Bidders are hereby advised that they also need to sign their acknowledgement of this Addendum on their Bid Schedule.)**

-END OF ADDENDUM NO. 2

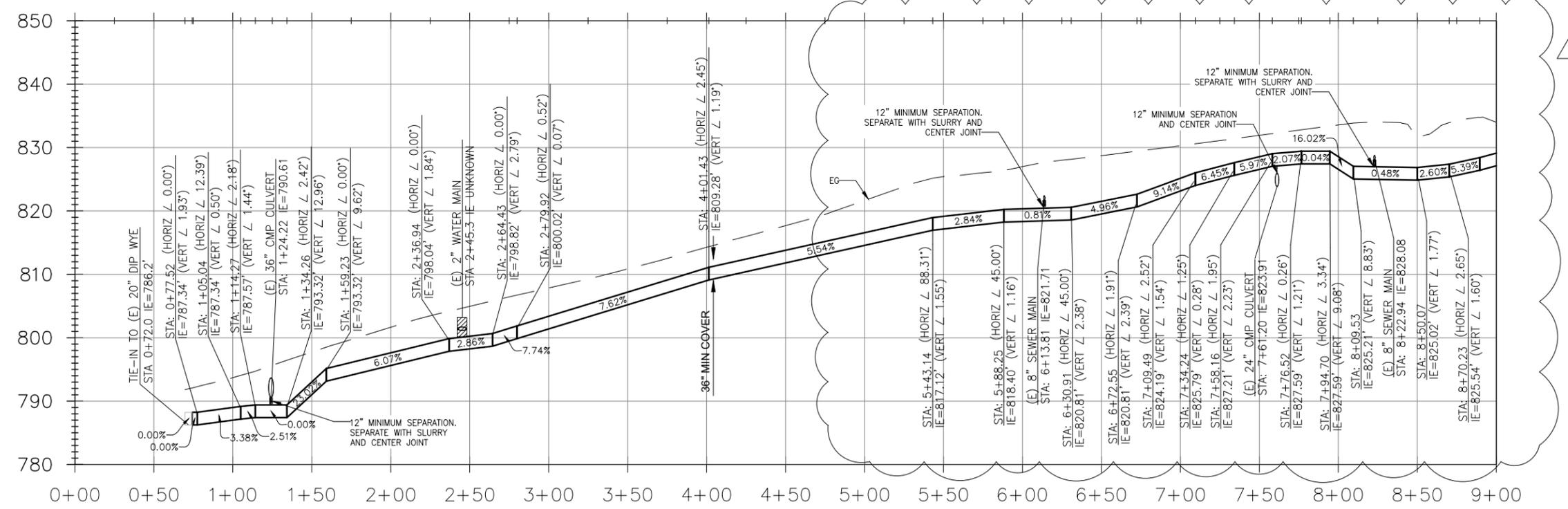
# ATTACHMENT A

P:\COWD\Copper Cove Water System Improvements\05 Drawings\5.1 CAD\BPS & Transmission Main\Copper Cove BPS (2023) - Civil.dwg 2-26-25 12:29:00 PM hhoran



**PIPELINE PLAN**  
SCALE: 1"=40'

- NOTES:**
1. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER.
  2. ALL JOINTS AND FITTINGS FOR DI WATER MAINS SHALL BE FULLY RESTRAINED.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLES EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.
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**PIPELINE PROFILE**  
HORIZ SCALE: 1"=40'  
VERT SCALE: 1"=10'

**ISSUED FOR BID**

REV	DATE	BY	DESCRIPTION
1	2/26/25	MPV	ADDENDA 2

SCALE:	AS NOTED
DATE:	JANUARY 2025

DESIGNED:	AAS/ADA
DRAWN:	JAK/HMH
CHECKED:	KBB

120 TOMA COURT,  
SAN ANDREAS, CALIFORNIA 95249  
PHONE (209) 754-3543

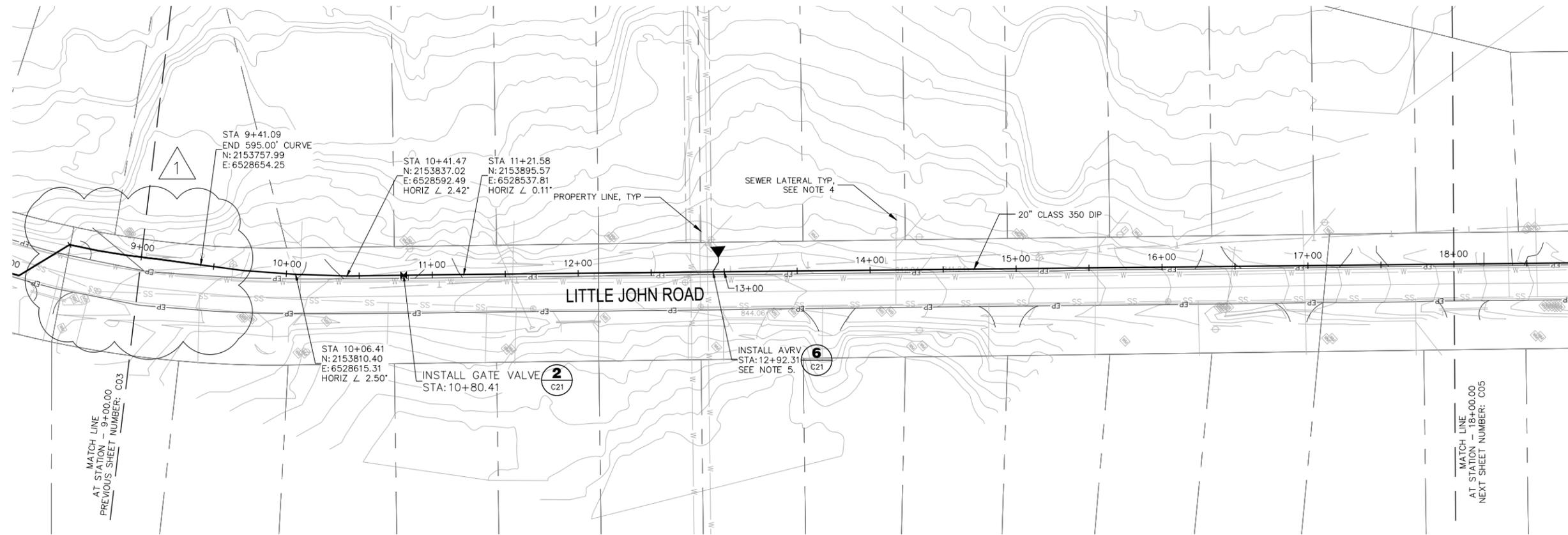
**PBI** ENGINEERING CONSULTING™  
A Verdantas Company  
80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

PLAN AND PROFILE  
STA 1+00 TO 9+00

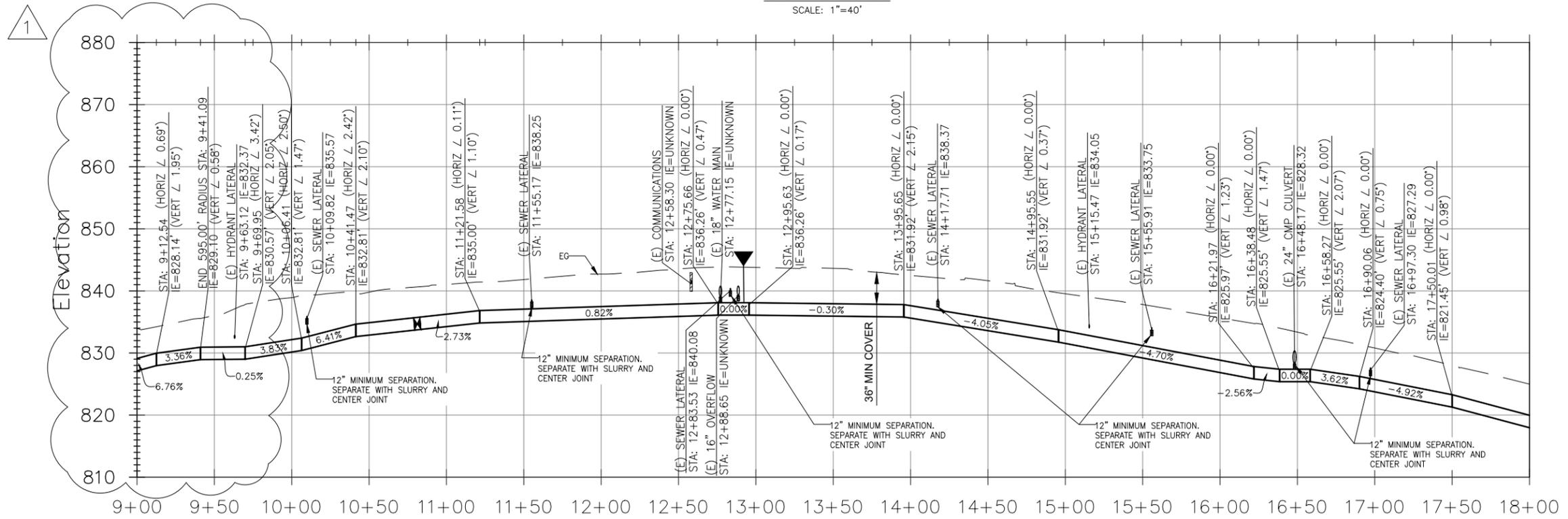
FIGURE  
**C03**  
SHEET 5 OF 48

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  5. CONTRACTOR SHALL ENSURE AVRVS MAINTAIN A POSITIVE SLOPE AND 36 INCHES MINIMUM COVER. IF MINIMUM COVER CAN NOT BE MET, SLURRY BACKFILL SHALL BE USED.



**PIPELINE PROFILE**  
HORIZ SCALE: 1"=40'  
VERT SCALE: 1"=10'

**ISSUED FOR BID**

REV	DATE	BY	DESCRIPTION
1	2/26/25	MPV	ADDENDA 2

SCALE:	AS NOTED
DATE:	JANUARY 2025

DESIGNED	AAS/ADA
DRAWN	JAK/HMH
CHECKED	KBB

120 TOMA COURT,  
SAN ANDREAS, CALIFORNIA 95249  
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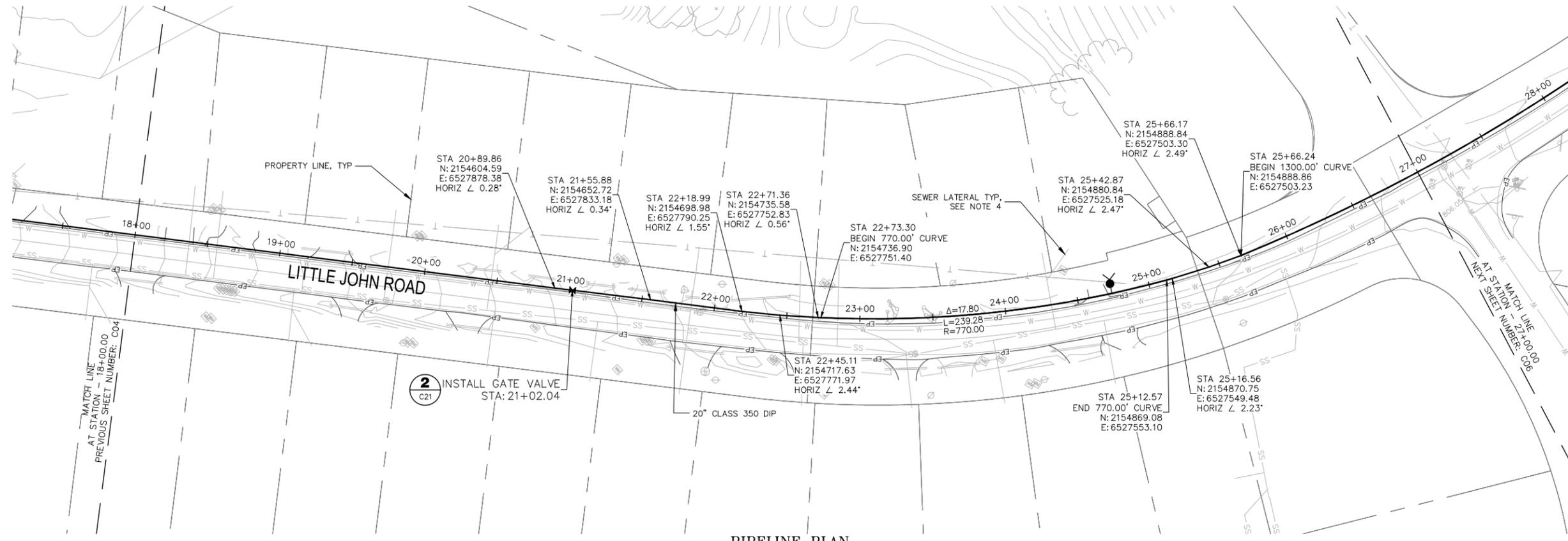
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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

PLAN AND PROFILE  
STA 9+00 TO 18+00

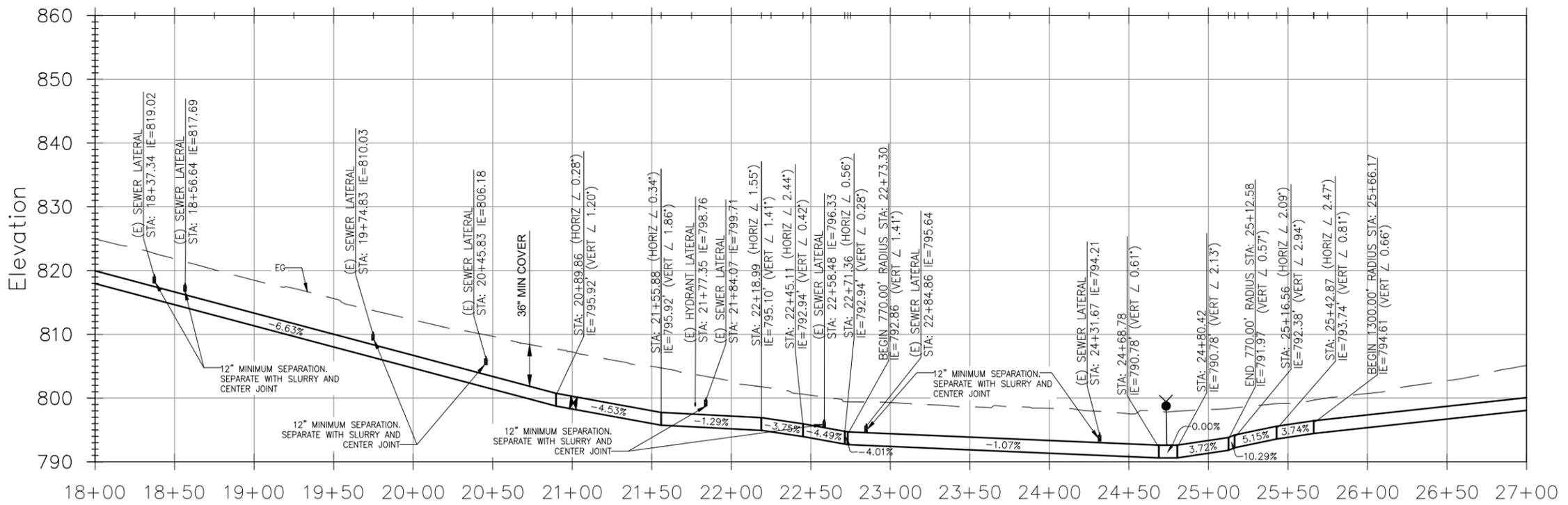
FIGURE  
**C04**  
SHEET 6 OF 48

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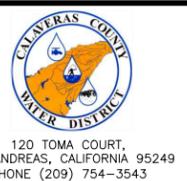
**PIPELINE PROFILE**  
HORIZ SCALE: 1"=40'  
VERT SCALE: 1"=10'

**ISSUED FOR BID**

REV	DATE	BY	DESCRIPTION
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JANUARY 2025	

DESIGNED	AAS/ADA
DRAWN	JAK/HMH
CHECKED	KBB

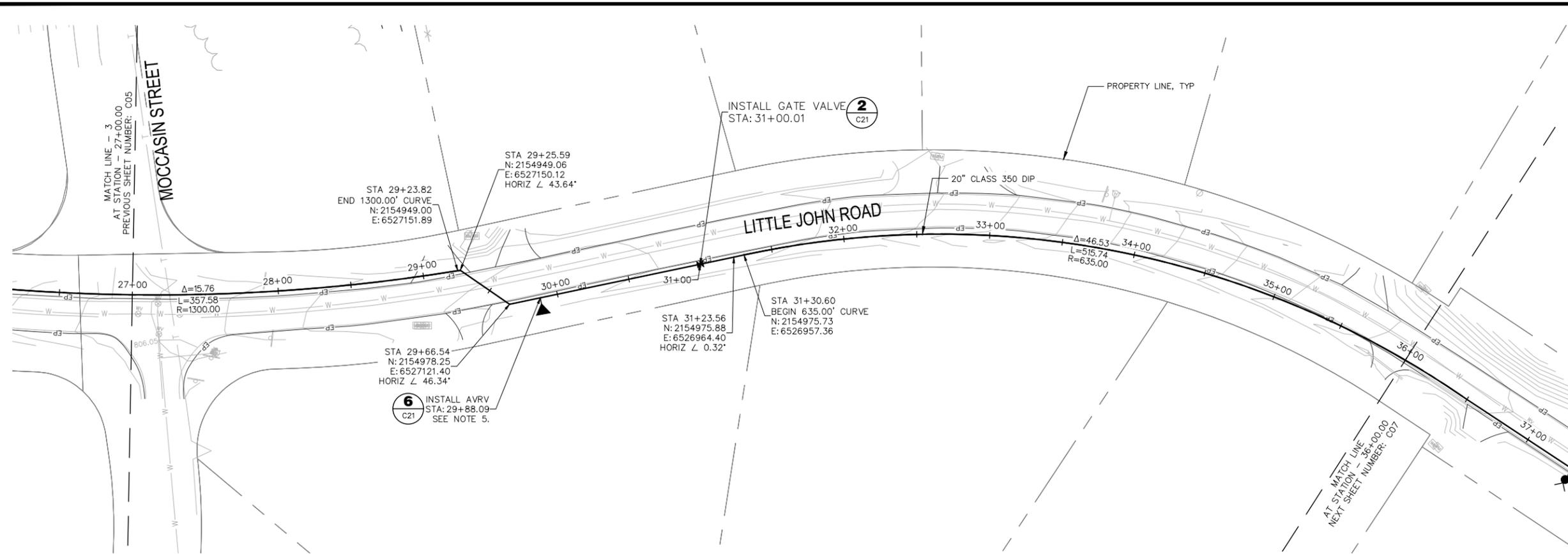


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

PLAN AND PROFILE  
STA 18+00 TO 27+00

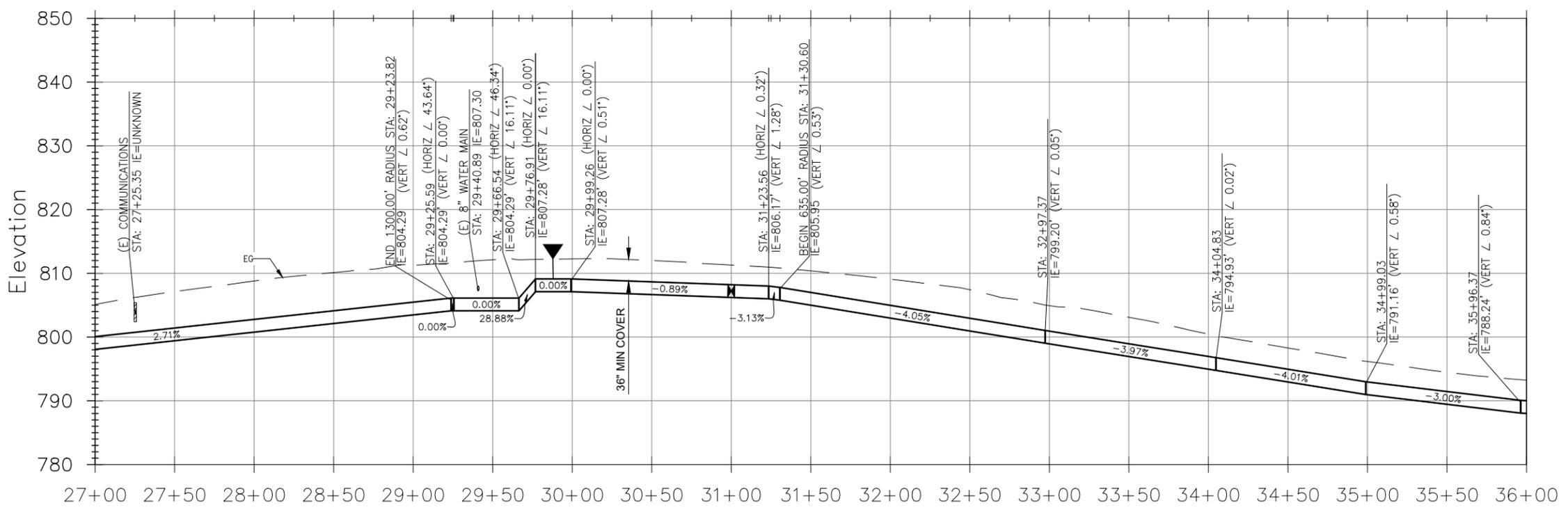
FIGURE  
**C05**  
SHEET 7 OF 48

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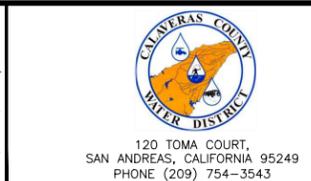
**PIPELINE PROFILE**  
HORIZ SCALE: 1"=40'  
VERT SCALE: 1"=10'

**ISSUED FOR BID**

REV	DATE	BY	DESCRIPTION
1	2/26/25	MPV	ADDENDA 2

SCALE:	AS NOTED
DATE:	JANUARY 2025

DESIGNED:	AAS/ADA
DRAWN:	JAK/HMH
CHECKED:	KBB

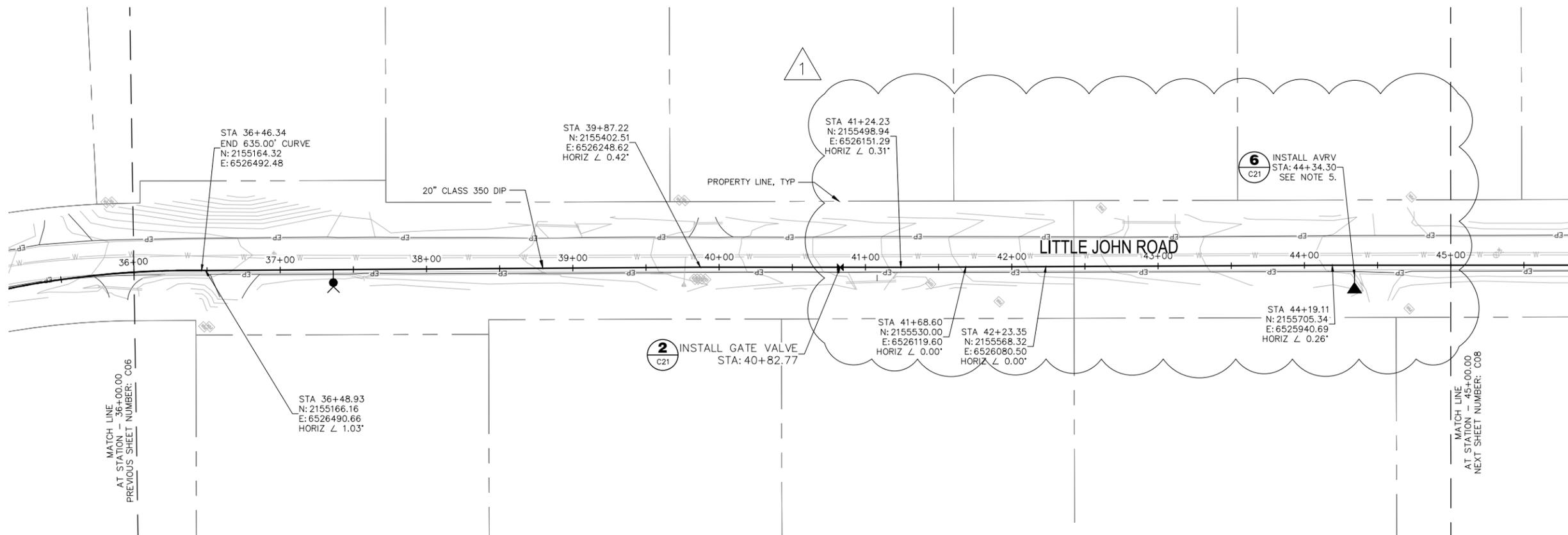


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

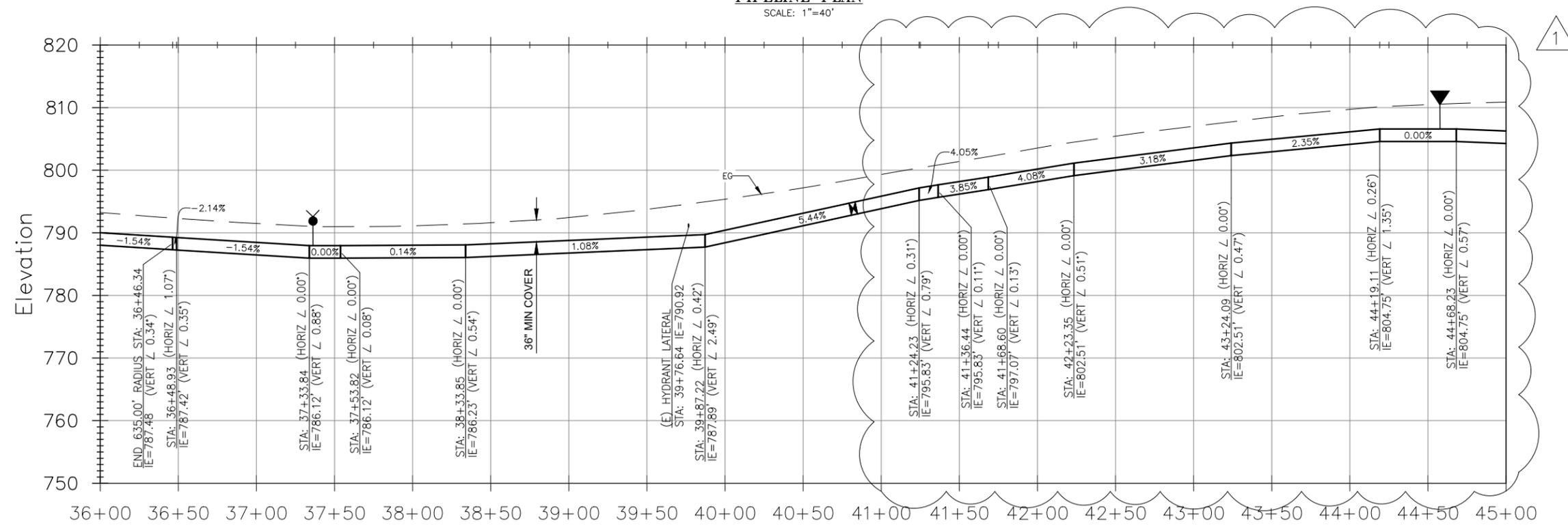
PLAN AND PROFILE  
STA 27+00 TO 36+00

FIGURE  
**C06**  
SHEET 8 OF 48

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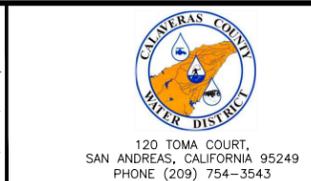
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COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT - C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

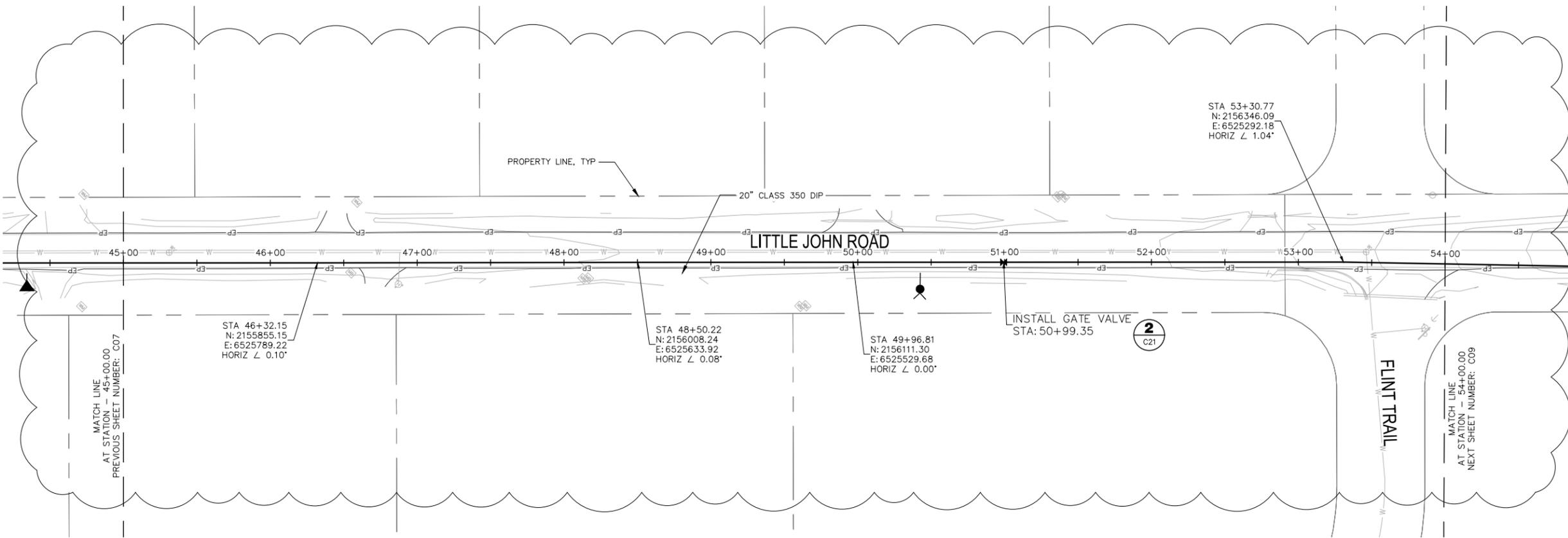
PLAN AND PROFILE  
STA 36+00 TO 45+00

ISSUED FOR BID

FIGURE  
**C07**

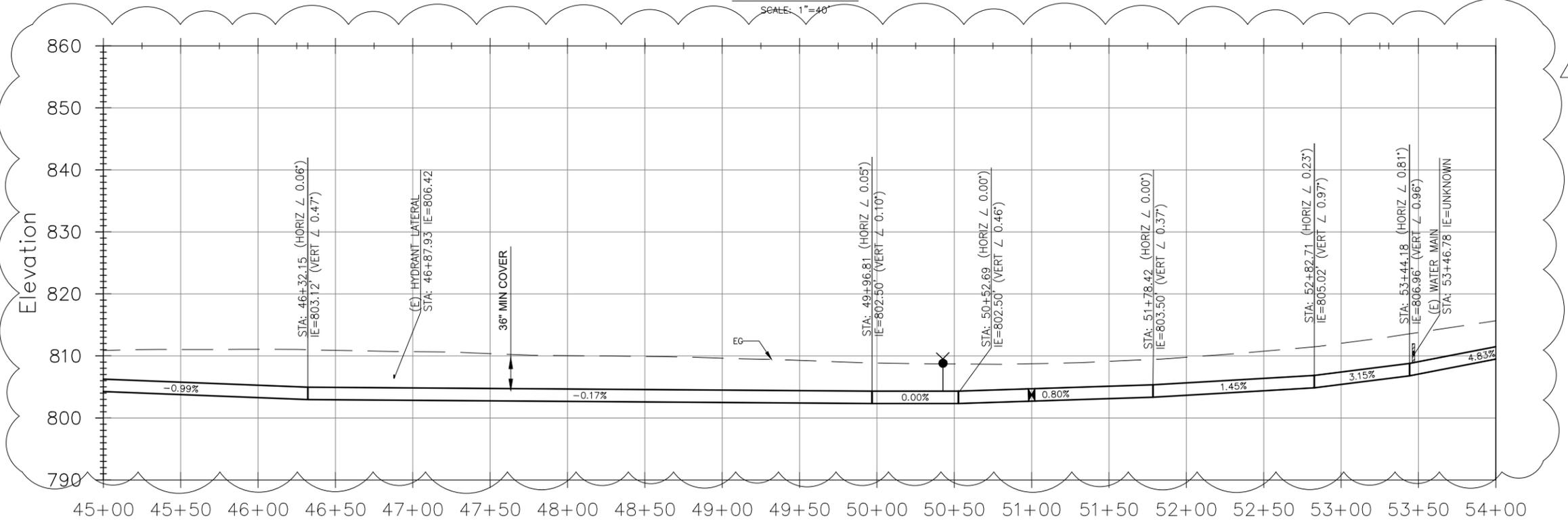
SHEET 9 OF 48

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**PIPELINE PLAN**  
SCALE: 1"=40'

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**PIPELINE PROFILE**  
HORIZ SCALE: 1"=40'  
VERT SCALE: 1"=10'

**ISSUED FOR BID**

REV	DATE	BY	DESCRIPTION
1	2/26/25	MPV	ADDENDA 2

SCALE:	AS NOTED
DATE:	JANUARY 2025

DESIGNED:	AAS/ADA
DRAWN:	JAK/HMH
CHECKED:	KBB

120 TOMA COURT,  
SAN ANDREAS, CALIFORNIA 95249  
PHONE (209) 754-3543

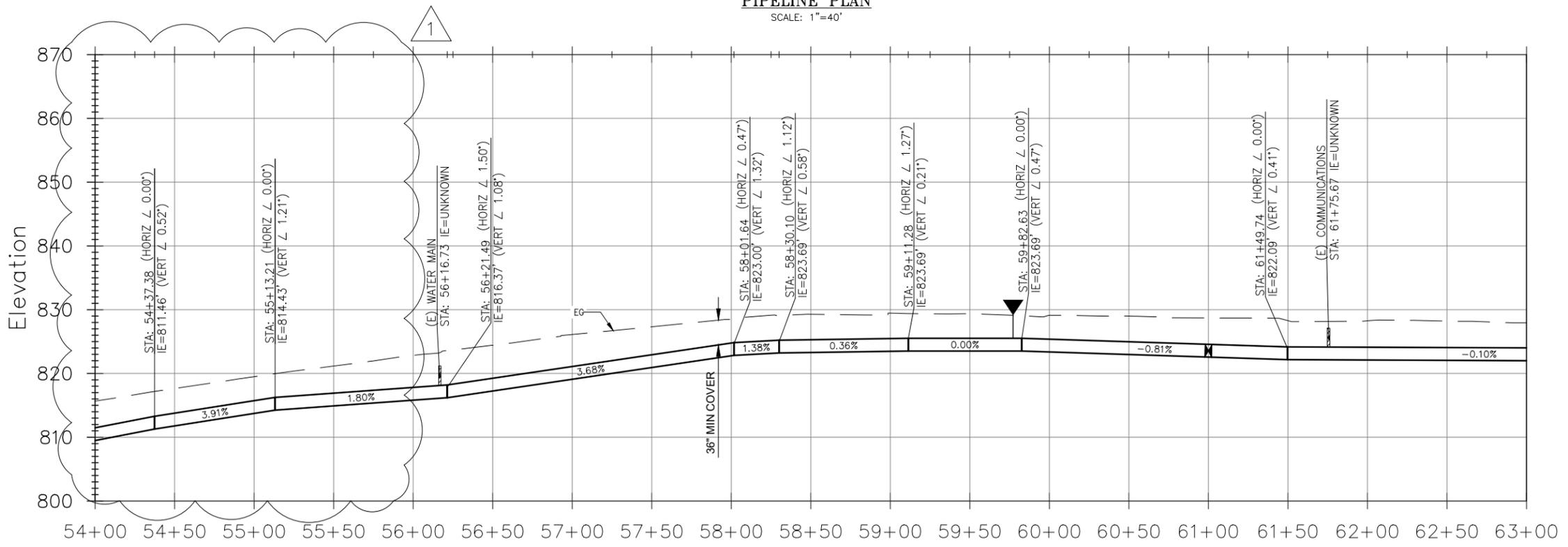
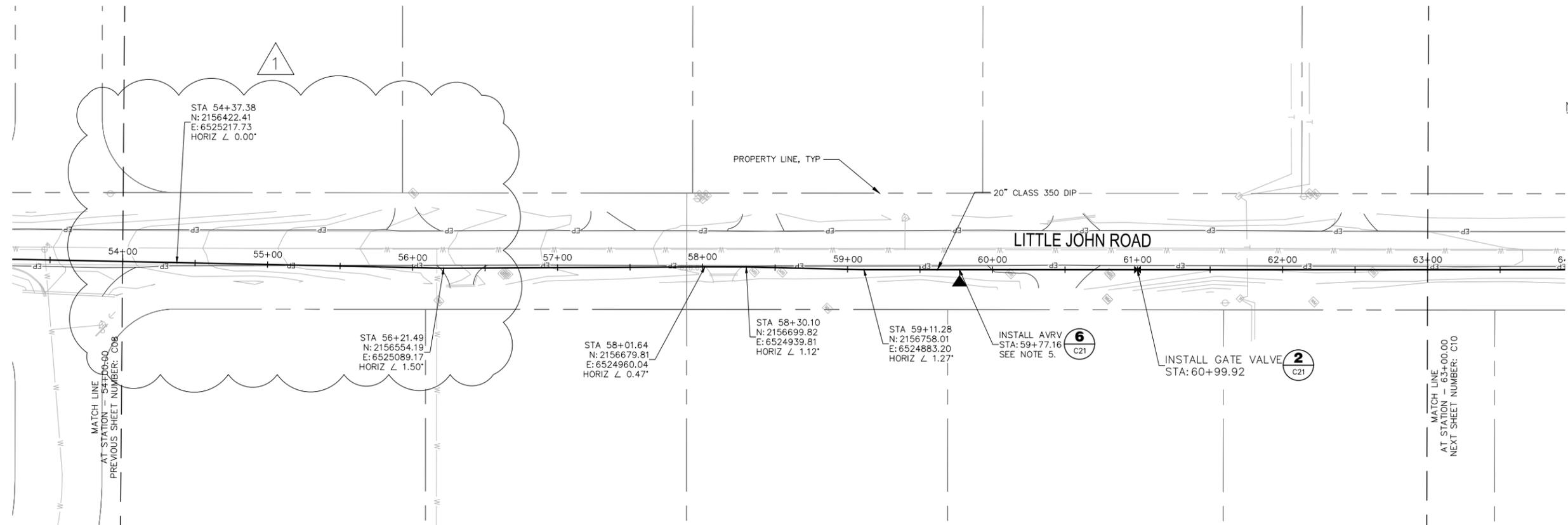
80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

PLAN AND PROFILE  
STA 45+00 TO 54+00

FIGURE  
**C08**  
SHEET 10 OF 48

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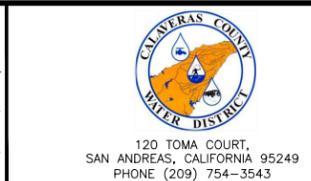
- NOTES:**
1. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 36 INCHES OF COVER.
  2. ALL JOINTS AND FITTINGS FOR DI WATER MAINS SHALL BE FULLY RESTRAINED.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING EXISTING UTILITIES PRIOR TO INSTALLATION OF NEW WATER MAINS AND APPURTENANCES. PRIOR TO PROCEEDING WITH TIE-INS TO EXISTING WATER MAINS, CONTRACTOR SHALL LOCATE EXISTING UTILITIES TO CONFIRM REQUIRED SEPARATION DISTANCES ARE ACHIEVABLE.
  4. WATER MAINS SHALL MAINTAIN MINIMUM HORIZONTAL SEPARATION OF 4 FEET AND 10 FEET FROM STORM DRAINS AND SEWER MAINS, RESPECTIVELY. A MINIMUM OF 1 FOOT VERTICAL SEPARATION SHALL BE MAINTAINED ABOVE AND BELOW ALL STORM DRAIN AND SEWER MAIN CROSSINGS. A FULL STICK OF WATER PIPE SHALL BE CENTERED UNDER ALL STORM DRAIN AND SEWER MAIN CROSSINGS UTILIZING MECHANICAL JOINTS, WITH CROSSINGS AT ANGLES NO LESS THAN 45 DEGREES.
  5. CONTRACTOR SHALL ENSURE AVRVS MAINTAIN A POSITIVE SLOPE AND 36 INCHES MINIMUM COVER. IF MINIMUM COVER CAN NOT BE MET, SLURRY BACKFILL SHALL BE USED.

**ISSUED FOR BID**

REV	DATE	BY	DESCRIPTION
1	2/26/25	MPV	ADDENDA 2

SCALE:	AS NOTED
DATE:	JANUARY 2025
WARNING	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

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DRAWN	JAK/HMH
CHECKED	KBB

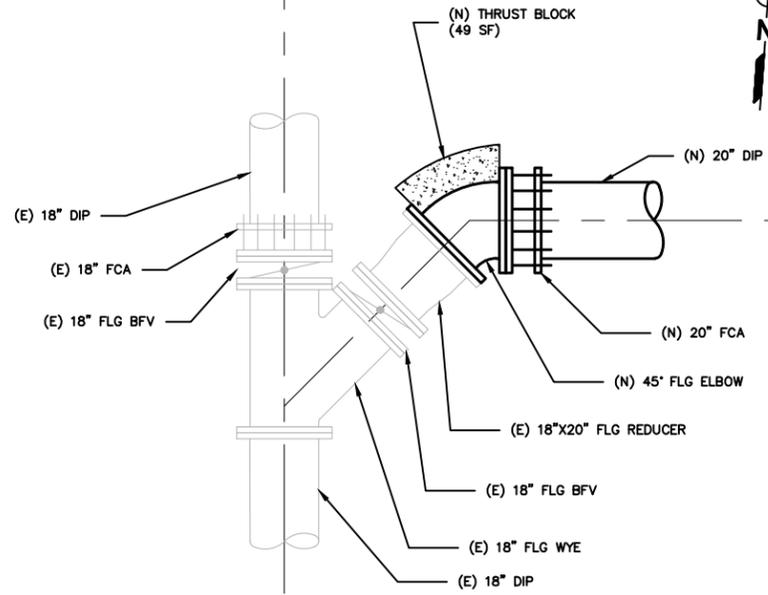


COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

PLAN AND PROFILE  
STA 54+00 TO 63+00

FIGURE  
**C09**  
SHEET 11 OF 48

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NOTES:

1. CONTRACTOR TO SUBMIT DETAIL TIE-IN PLANS AFTER POTHOLING ELEVATIONS OF EXISTING PIPELINES.
2. ALL PIPE JOINTS TO BE FULLY RESTRAINED.

**BPS TIE-IN** **1**  
1"=2" C03

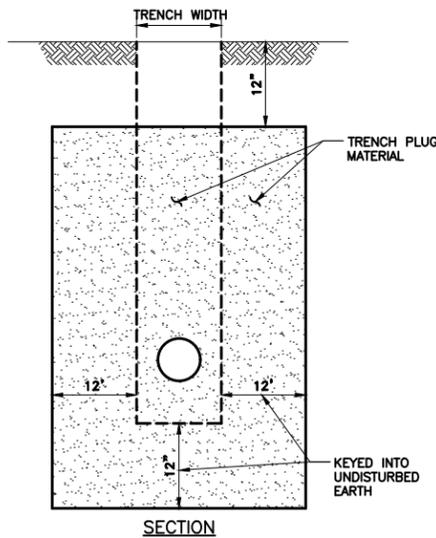
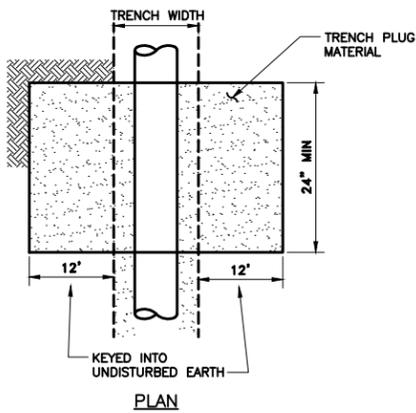


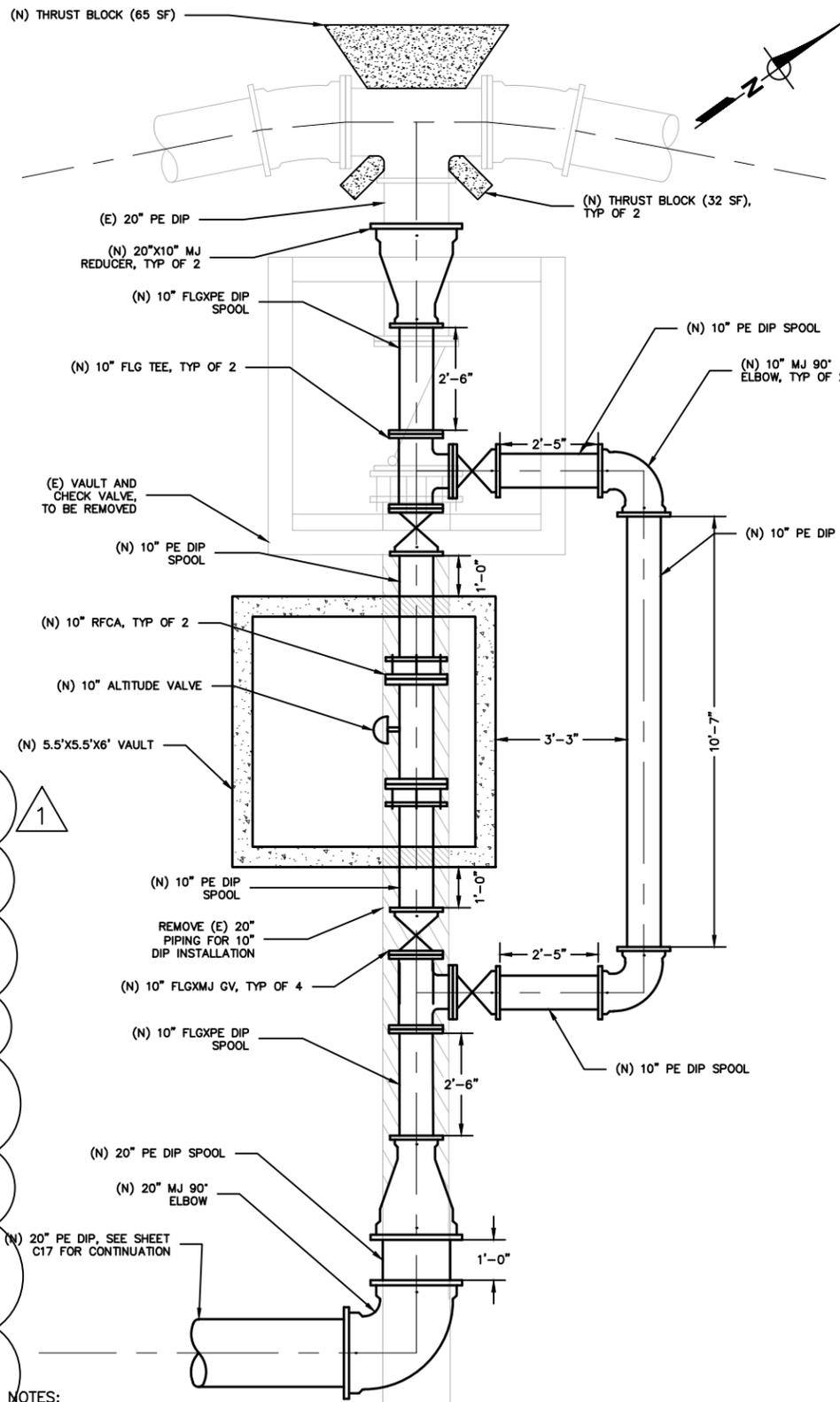
TABLE B

TRENCH SLOPE (%)	MAXIMUM SPACING (FT)
< 5	1,000
5 - 15	500
15 - 25	300
25 - 35	200
35 - 100	100
> 100	50

NOTES:

1. TRENCH PLUG MATERIAL SHALL BE SOIL CEMENT (270# CEMENT/CU.YD.) OR BENTONITE SLURRY.
2. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO PLACING.
3. CLAY PLUG EXTENDS 1 FOOT BELOW BEDDING UNLESS ROCK IS ENCOUNTERED.
4. INSTALL TRENCH PLUGS TO A DEPTH OF 1.5 FEET BELOW FINISHED GRADE OR 2 FEET ABOVE THE PIPE, WHICHEVER IS LESS.
5. INSTALL TRENCH PLUGS ACCORDING TO SPACING SPECIFICATIONS IN TABLE B.

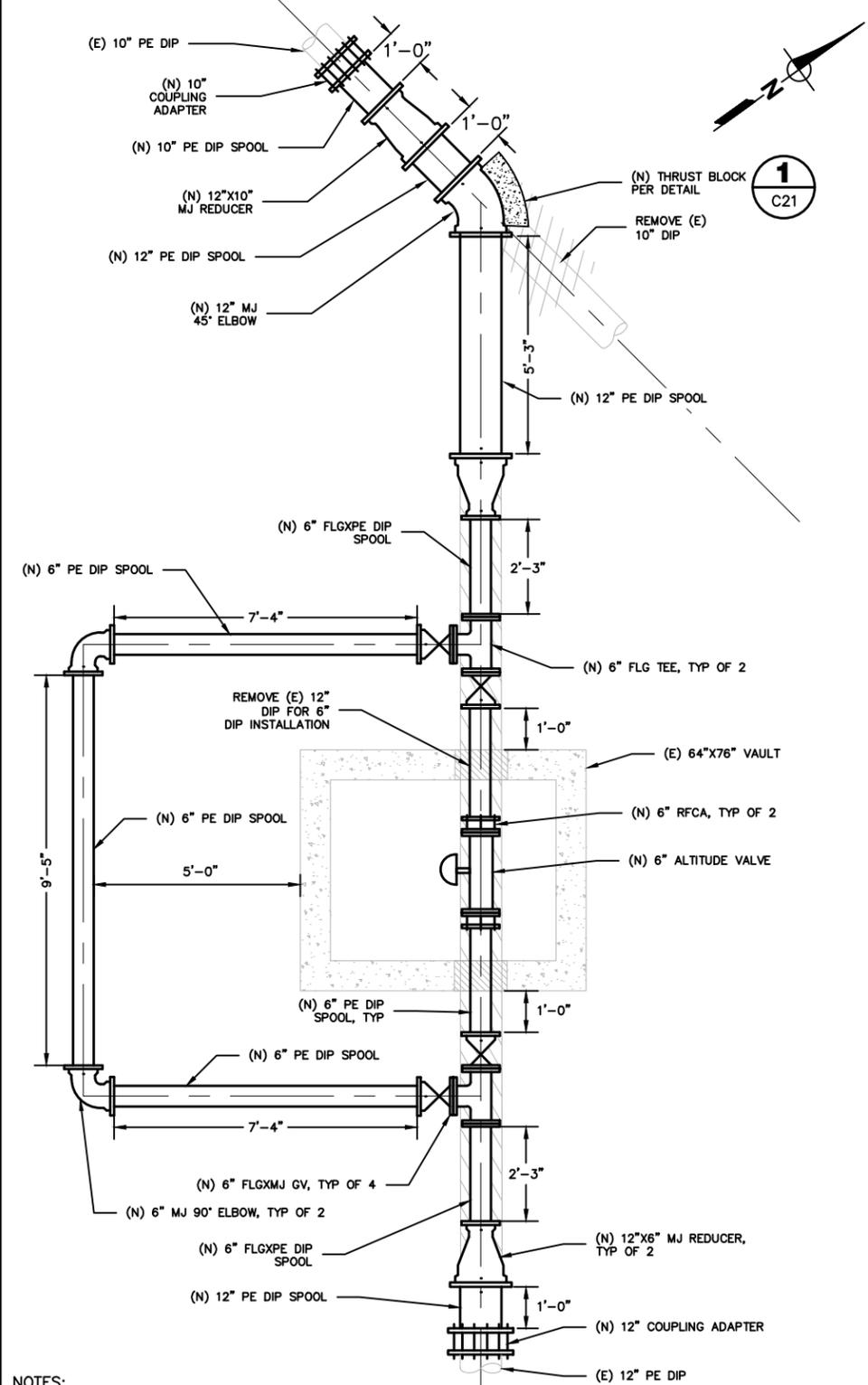
**TRENCH PLUG DETAIL** **4**  
NTS



NOTES:

1. CONTRACTOR TO SUBMIT DETAIL TIE-IN PLANS AFTER POTHOLING ELEVATIONS OF EXISTING PIPELINES.
2. ALL PIPE JOINTS TO BE FULLY RESTRAINED.

**C-TANK ALTITUDE VALVE** **2**  
1"=2" C17



NOTES:

1. CONTRACTOR TO SUBMIT DETAIL TIE-IN PLANS AFTER POTHOLING ELEVATIONS OF EXISTING PIPELINES.
2. ALL PIPE JOINTS TO BE FULLY RESTRAINED.

**B-TANK TIE-IN** **3**  
1"=2" C18

ISSUED FOR BID

REV	DATE	BY	DESCRIPTION
1	2/26/25	HMH	ADDENDA 2

SCALE: \_\_\_\_\_

WARNING

DATE: JANUARY 2025

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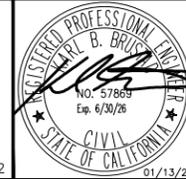
120 TOMA COURT,  
SAN ANDREAS, CALIFORNIA 95249  
PHONE (209) 754-3543



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A Verdantas Company

80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630

PH. 916-608-2212



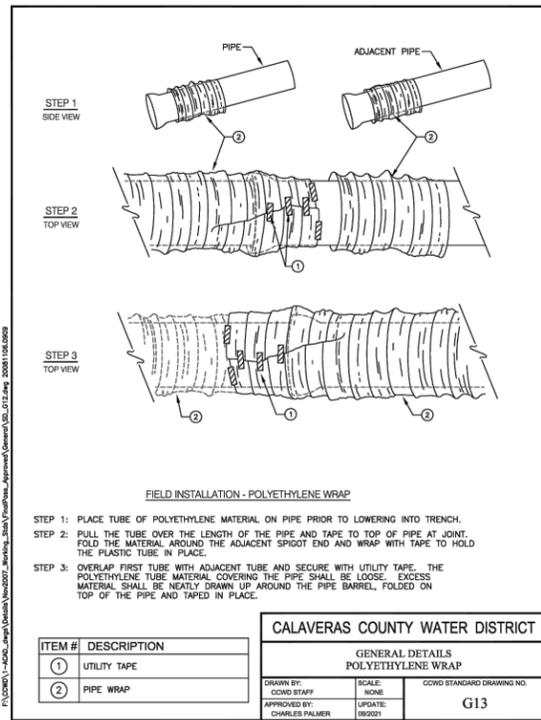
COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

TIE-IN AND CROSSING DETAILS

FIGURE

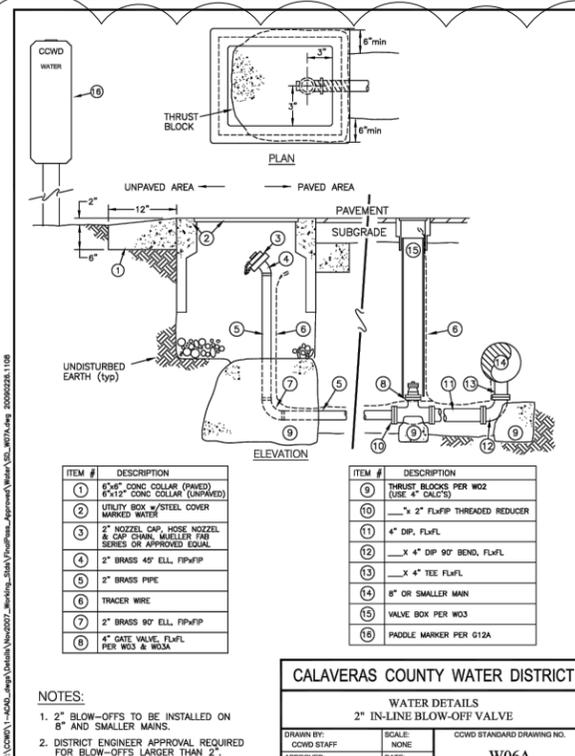
**C19**

SHEET 21 OF 48



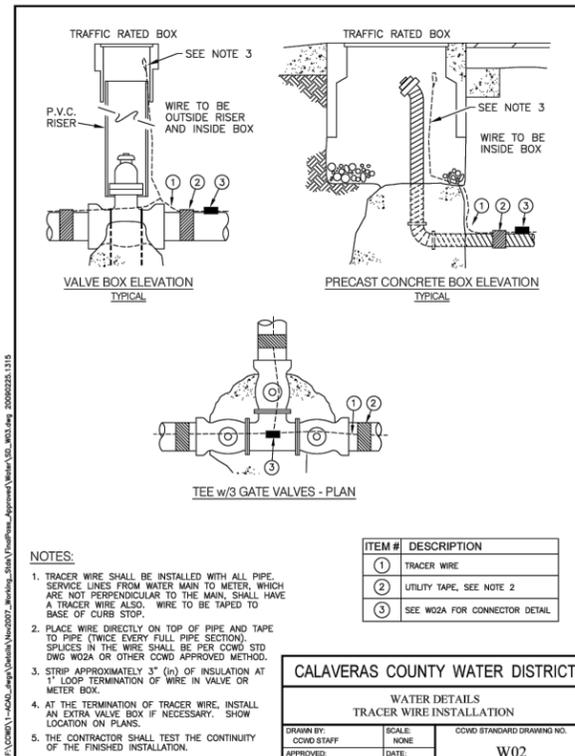
**POLYETHYLENE WRAP**  
NTS

**1**



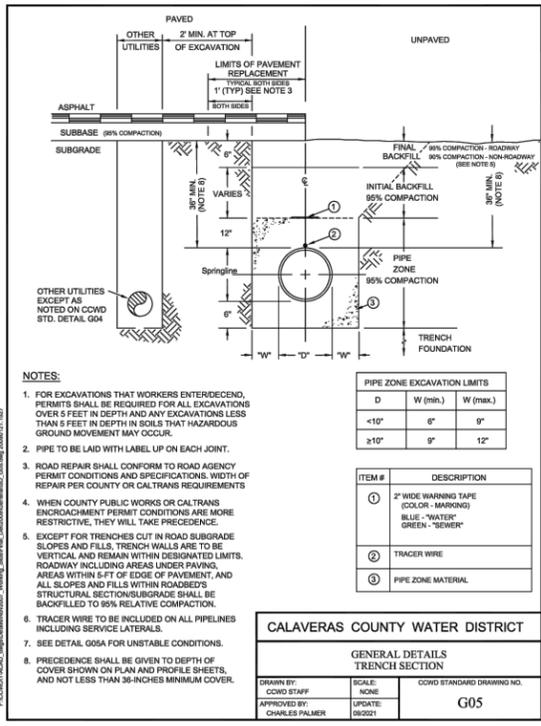
**IN-LINE BLOW-OFF VALVE**  
NTS

**2**



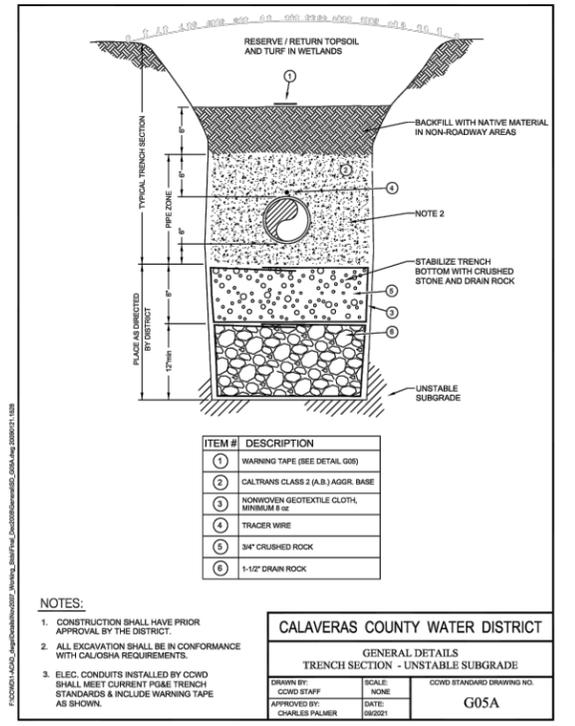
**LOCATING WIRE INSTALLATION**  
NTS

**3**



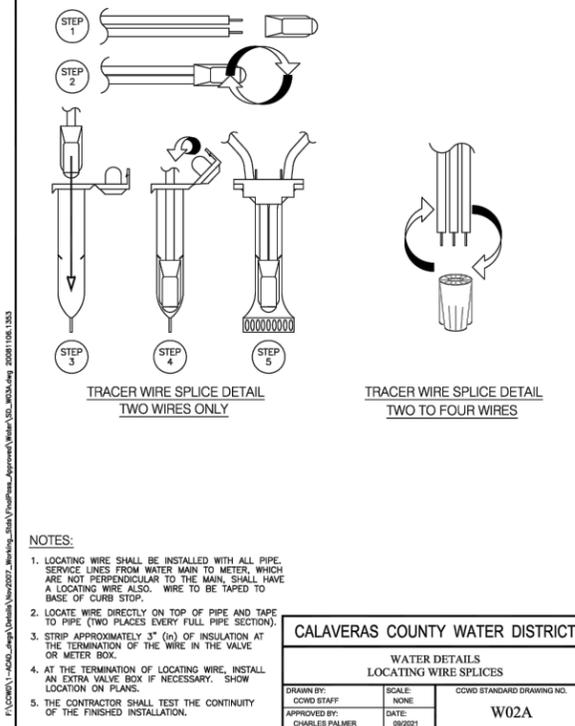
**TRENCH SECTIONS**  
NTS

**4**



**TRENCH SECTION - UNSTABLE SUBGRADE**  
NTS

**5**



**LOCATING WIRE SPLICES**  
NTS

**6**

**ISSUED FOR BID**

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REV	DATE	BY	DESCRIPTION
1	2/26/25	HMH	ADDENDA 2

SCALE:	WARNING
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JANUARY 2025	

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SAN ANDREAS, CALIFORNIA 95249  
PHONE (209) 754-3543

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A Verdantus Company  
80 Blue Ravine Rd. Suite 280  
Folsom, CA 95630  
PH. 916-608-2212

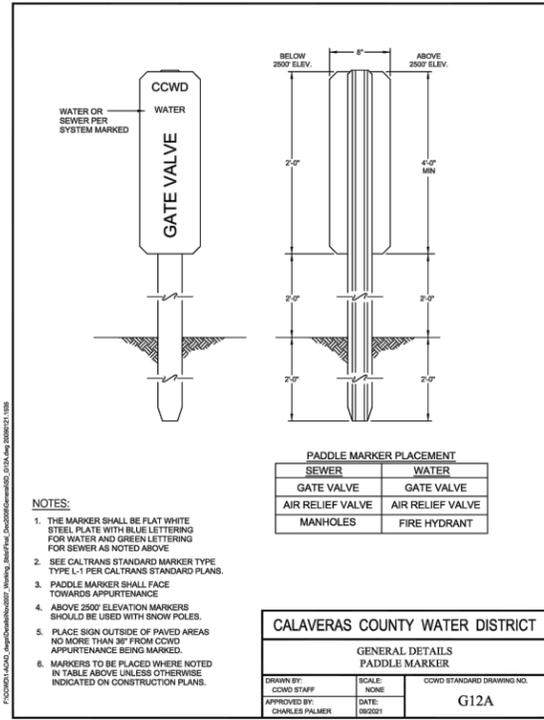
REGISTERED PROFESSIONAL ENGINEER  
CHARLES B. BRUCKNER  
No. 57869  
Exp. 6/30/26  
CIVIL  
STATE OF CALIFORNIA  
01/13/25

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

STANDARD DETAILS I

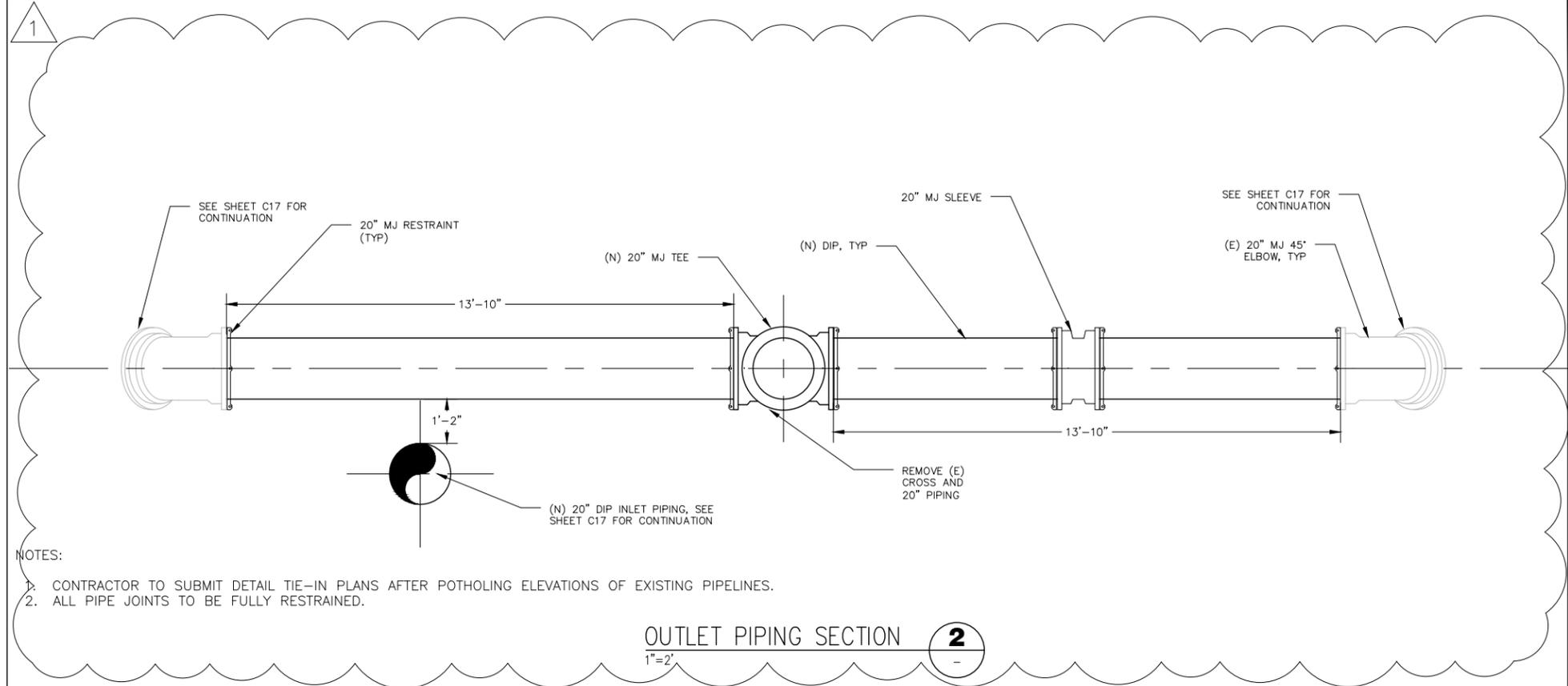
FIGURE  
**C20**  
SHEET 22 OF 48

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PADDLE MARKER  
NTS

**1**



OUTLET PIPING SECTION  
1"=2'

**2**

ISSUED FOR BID

REV	DATE	BY	DESCRIPTION
1	2/26/25	HMH	ADDENDA 2

SCALE:	WARNING
DATE:	IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.
JANUARY 2025	

DESIGNED	AAS/ADA
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REGISTERED PROFESSIONAL ENGINEER  
CARL B. BRUCK  
NO. 57869  
Exp. 6/30/26  
CIVIL  
STATE OF CALIFORNIA  
01/13/25

COPPER COVE WATER SYSTEM IMPROVEMENTS PROJECT -  
C-TANK BOOSTER PUMP STATION MODIFICATIONS AND TRANSMISSION MAIN

STANDARD DETAILS III

FIGURE  
**C22**  
SHEET 24 OF 48

# ATTACHMENT B

**SECTION 00 04 10  
BID FORM**

TABLE OF ARTICLES

- Article 1 - Bid Recipient
- Article 2 - Bidder's Acknowledgments
- Article 3 - Bidder's Representations
- Article 4 - Bidder's Certification
- Article 5 - Basis of Bid
- Article 6 - Time of Completion
- Article 7 - Attachments to Bid
- Article 8 - Defined Terms
- Article 9 - Bid Submittal
- Bid Schedule
- Descriptions of Bid Items

**ARTICLE 1- BID RECIPIENT**

- 1.01 **This Bid is submitted to: Calaveras County Water District at the main office located at 120 Toma Court, San Andreas, California 95249, no later than 2pm local time, March 5<sup>th</sup>, 2025.**
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2- BIDDER'S ACKNOWLEDGEMENTS**

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

**ARTICLE 3- BIDDER'S REPRESENTATIONS**

- 3.01 In submitting this Bid, Bidder represents that:
  - A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

Addendum No.	Addendum Date
_____	_____
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

- C. Bidder is familiar with and is satisfied as to all Federal, State and local Laws and Regulations that may affect cost, progress and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in SC-4.02, and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-4.06 as containing reliable “technical data.”
- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder’s safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that any further examinations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of the Work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- J. Bidder will submit written evidence of its authority to do business in the State or other jurisdiction where the Project is located not later than the date of its execution of the Agreement.

**ARTICLE 4- BIDDER’S CERTIFICATION**

4.01 Bidder further represents that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
  - 1. “Corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.

2. “fraudulent practice” means an intentional misrepresentation of facts made to (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

#### **ARTICLE 5- BASIS OF BID**

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the price(s) provided in the attached bid schedule (at the end of this section).
- 5.02 Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions
- 5.03 Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.
- 5.04 Bid Prices are for work that has been furnished and installed by the Contractor and is fully completed. The bid items as described and provided are for bidding and payment purposes and do not in any way limit the Contractor’s responsibility to perform all work that may be reasonably inferred from the plans, specifications and other bid documents to produce the intended result.
- 5.05 All specified cash allowances are included in the price(s) set forth above and have been computed in accordance with Paragraph 11.02 of the General Conditions.
- 5.06 If “additive” or “deductive” Bid Items are included in the Bid- clearly identify the method for applying the alternates and the basis for award of the contract.

#### **ARTICLE 6- TIME OF COMPLETION**

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

#### **ARTICLE 7- ATTACHMENTS TO THIS BID**

- 7.01 The following documents are attached to and made a condition of this Bid:
  - A. Non-Collusion Affidavit (**Section 00420**);
  - B. Required Bid security in the form of a Bid Bond (**Section 00430**) or Certified Check;
  - C. List of Subcontractors (**Section 00470**);

#### **ARTICLE 8- DEFINED TERMS**

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders (Section 00200), General Conditions (Section 00700 and Supplementary Conditions (Section 00800).

**ARTICLE 9- BID SUBMITTAL**

9.01 This Bid is submitted by: \_\_\_\_\_  
Bidder's Business address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_ Facsimile: \_\_\_\_\_  
Submitted on \_\_\_\_\_, \_\_\_\_\_.  
State Contractor License No. \_\_\_\_\_  
DIR Registration No. \_\_\_\_\_  
Employer's Tax ID No. \_\_\_\_\_

If Bidder is:

**An Individual**

Name (typed or printed): \_\_\_\_\_  
By: \_\_\_\_\_  
*(Individual's signature)*  
Doing business as: \_\_\_\_\_

**A Partnership**

Partnership Name: \_\_\_\_\_ (SEAL)  
By: \_\_\_\_\_  
*(Signature of general partner – attach evidence of authority to sign)*  
Name (typed or printed): \_\_\_\_\_

**A Corporation**

Corporation Name: \_\_\_\_\_  
\_\_\_\_\_ (SEAL)

State of Incorporation: \_\_\_\_\_

Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_  
*(Signature – attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Attest: \_\_\_\_\_  
*(Signature of Corporate Secretary)*

Date of Qualification to do business is \_\_\_\_\\_\_\_\_\\_\_\_\_.

**A Joint Venture**

Name of Joint Venturer: \_\_\_\_\_

First Joint Venturer Name: \_\_\_\_\_  
\_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature of first joint venture partner – attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Second Joint Venturer Name: \_\_\_\_\_  
\_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature of second joint venture partner – attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

## **BID SCHEDULE**

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>BID PRICE</u>
1	Mobilization/Demobilization	LS	1	\$ _____.	\$ _____.
2	Worker Protection and Safety/Shoring	LS	1	\$ _____.	\$ _____.
3	Implementation of Water Pollution Control Plan	LS	1		
4	Traffic Control	LS	1		
5	Tree Removal	EA	1		
6	Roadway Pavement Replacement	TON	<b>1700</b>		
7	20" ID Ductile Iron Pipe Transmission Main	LS	1		
8	20" Gate Valves	EA	<b>12</b>		
9	Fire Hydrants and Appurtenances	EA	6		
10	Air/Vac Valves	EA	<b>5</b>		
11	6" Altitude Valve, B-Tank Piping and Appurtenance, and Bypass Piping.	LS	1		
12	10" Altitude Valve, C-Tank Piping and Appurtenance, Bypass Piping, and Fencing	LS	1		
13	1,650 GPM Booster Pumps and 250 HP Motors	EA	3		

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>BID PRICE</u>
14	Welded Steel Piping and Appurtenances	LS	1		
15	Electrical Panels and Materials	LS	1		
<b>TOTAL BID AMOUNT ALL ITEMS (1 to 18) (NUMERICAL)</b>				\$	.

---

**DOLLARS**

---

**TOTAL BID AMOUNT (WRITTEN)**

## **DESCRIPTIONS OF BID ITEMS**

*Note: Bid items listed herein for bidding and payment purposes do not limit Contractor's responsibility to perform all work required under this contract, on drawings, in specifications, or reasonably inferred or interpreted to be necessary to complete the work. All bid items will have 5% retention in the progress payment held for final payment.*

### **BID ITEM NO.1 – MOBILIZATION / DEMOBILIZATION**

1. The work under this bid item shall include all contract administration, project mobilization, site development activities and demobilization as required to conduct and complete the Work, as identified in the Contract Documents. The total amount shall not exceed five percent (5%) of Total Base Bid Price as provided in the Bid Schedule. Item shall include, but not be limited to, the following:
  - a. Insurance premiums, bonds, permitting fees, security fencing, utilities, water pollution control plan, traffic control, potholing and other facilities at the jobsite, Contractor's overhead, and costs inclusive of administering the Contract, management and quality control procedures, and coordination as required to construct and complete the Project.
  - b. Supply, transportation, and/or movement of personnel, equipment, supplies and incidentals to the work site. Equipment and major materials listed in Contractor's proposal shall be staged on site in the types and quantities shown. Additional shipments of material or transportation of equipment, if required, shall be approved in writing by District in advance.
  - c. Cleaning of equipment prior to mobilizing to the jobsite.
  - d. Identification and protection of existing facilities/utilities.
  - e. Site preparation of construction zone, vehicle/visitor parking, staging, laydown, and stockpile areas.
  - f. All project demobilization, site cleanup, and removal of personnel, equipment, materials, supplies, temporary facilities, site delineators, and construction waste from the jobsite to satisfy the requirements of 01 70 00 - Execution and Closeout Requirements and other applicable elements of the Contract Documents.
  - g. The establishment of site access and staging areas/BMP's
  - h. The procurement and installation of all temporary construction facilities.
  - i. The installation of all temporary construction fencing.
  - j. The fabrication and installation of the Project Sign.
2. Work will be paid for on a lump sum basis. Contractor may apply for payment for up to one-third of the total lump sum amount with the Contractor's first application for payment and after completion of the Contractor's pre-construction obligations. Contractor may apply for payment for the remaining lump sum amount on a project percent complete basis.

### **BID ITEM NO.2 – WORKER PROTECTION AND SAFETY/SHORING**

1. The lump sum amount shall include detailed plan for worker safety and maintaining safety during construction complying with Labor Code Sections 6700-6708, all applicable safety orders and permits and protective equipment necessary for the protection and safety of all workers, other persons, equipment and facilities during the construction period as specified in the Contract Documents.
2. Contractor may apply for payment for this Bid Item on a percent complete basis as the items covered in Worker Protection and Safety/Shoring are being completed.

### **BID ITEM NO.3 – IMPLEMENTATION OF WATER POLLUTION CONTROL PLAN**

1. The lump sum amount shall include the implementation of water pollution control plan.
2. Work will be paid for on a lump sum basis. The lump sum price shall be full compensation for the preparation and implementation or submittal of these materials and requirements, and for furnishing and installing all labor, equipment, materials, tools, and incidentals to complete this item.

### **BID ITEM NO.4 – TRAFFIC CONTROL**

1. The work under this bid item shall include all temporary traffic control measures, devices, flaggers, changeable message signs, and any other costs associated with the traffic control plan covered in the Drawings and Contract Specifications.
2. Work will be paid for on a percent complete basis of traffic control.

### **BID ITEM NO.5 – TREE REMOVAL**

1. The work under this bid item shall include the removal of existing trees as shown on the Contract Documents. This bid item shall also include the hauling and disposal of removed items.
2. Work will be paid for by each tree removed as identified on the contract documents.

**BID ITEM NO.6 – ROADWAY PAVEMENT REPLACEMENT**

1. The work under this bid item shall include all pavement restoration including overlay, compaction, material processing and importing, aggregate base and crushed rock bases, asphaltic concrete paving, tack coat and sealants associated with replacing pavement in the roadway per County and Caltrans requirements.
2. The unit price shall be full compensation per percent complete for the preparation and installation of these materials, and for all labor, equipment, tools, and incidentals to complete this item. This item shall be paid in accordance with the actual tonnage of pavement replaced.

**BID ITEM NO.7– 20” ID DUCTILE IRON PIPE TRANSMISSION MAIN**

1. The work under this bid item shall include furnishing and installing **12,200** LF of 20” ductile iron pipe including all taps, joints, excavation, trenching, backfill and compaction and tie-ins to the existing system as shown and specified in the Contract Documents.
2. Work will be paid for on a lump sum basis. The lump sum price shall be full compensation for the preparation and implementation or submittal of these materials and requirements, and for furnishing and installing all labor, equipment, materials, tools, and incidentals to complete this item.

**BID ITEM NO.8 – 20” GATE VALVES**

1. The work under this bid item shall include the furnishing and installation of **(12)** 20” gate valves as shown on the Contract Documents. This bid item shall also include the hauling and disposal of removed items.
2. Work will be paid for by each butterfly valve installed.

**BID ITEM NO.9 – FIRE HYDRANTS AND APPURTENANCES**

1. The work under this bid item shall include furnishing and installation of **(6)** fire hydrants including all valves, taps, joints, fittings, excavation, trenching, backfill and compaction as shown on the Contract Documents. This bid item shall also include the hauling and disposal of removed items.
2. Work will be paid for by each fire hydrant installed.

**BID ITEM NO.10 – AIR/VAC VALVES**

1. The work under this bid item shall include furnishing and installation of **(5)** air/vac valves including all enclosures, valves, taps, joints, fittings, excavation, trenching, backfill and compaction as shown on the Contract Documents. This bid item shall also include the hauling and disposal of removed items.
2. Work will be paid for by each air/vac valve installed.

**BID ITEM NO.11 – 6” ALTITUDE VALVE AND B-TANK PIPING AND APPURTENANCES**

1. The work under this bid item shall include furnishing and installing of the 6” altitude valve and B-Tank piping and appurtenances including all enclosures, valves, **12” DIP**, taps, joints, fittings, excavation, trenching, backfill and compaction as shown and specified in the Contract Documents.
2. Work will be paid for on a lump sum basis. The lump sum price shall be full compensation for the preparation and implementation or submittal of these materials and requirements, and for furnishing and installing all labor, equipment, materials, tools, and incidentals to complete this item.

**BID ITEM NO.12 – 10” ALTITUDE VALVE AND C-TANK PIPING AND APPURTENANCES**

1. The work under this bid item shall include furnishing and installing of the 10” altitude valve and C-Tank piping and appurtenances including all vaults, enclosures, valves, taps, joints, fittings, excavation, trenching, backfill and compaction as shown and specified in the Contract Documents.
2. Work will be paid for on a lump sum basis. The lump sum price shall be full compensation for the preparation and implementation or submittal of these materials and requirements, and for furnishing and installing all labor, equipment, materials, tools, and incidentals to complete this item.

**BID ITEM NO.13 – 1,650 GPM BOOSTER PUMPS AND 250 HP MOTORS**

1. The work under this bid item shall include furnishing required labor, materials, project equipment, construction equipment, safety equipment, test equipment, incidentals, and services to install (3) 1,650 GPM Booster Pumps and 250 HP Motors as shown on the Contract Documents. This bid item shall also include the hauling and disposal of removed items.
2. Work will be paid for by each pump and motor installed.

**BID ITEM NO.14 – WELDED STEEL PIPING AND APPURTENANCES**

1. The work under this bid item shall include furnishing and installing of all welded steel pipe and appurtenances valves, taps, joints, and fittings as shown and specified in the Contract Documents.
2. Work will be paid for on a lump sum basis. The lump sum price shall be full compensation for the preparation and implementation or submittal of these materials and requirements, and for furnishing and installing all labor, equipment, materials, tools, and incidentals to complete this item.

**BID ITEM NO.15– ELECTRICAL PANELS AND MATERIALS**

1. The work under this bid item includes furnishing all required labor, materials, project equipment, electrical panels, tools, construction equipment, safety equipment, transportation, test equipment, incidentals, and services to provide complete and operational electrical modifications on the Electrical Drawings and Contract Specifications.
2. Contractor may apply for payment for this Bid Item on a percent complete basis as the items covered in Electrical Modifications are being completed.