



Zone A Pump Station and Transmission Main Project **RFP Addendum #3**

<u>Project Description:</u>	 RFP to for work which includes the following general scope items: 1. Facility 20 – Zone A Pump Station. Located at the Paradise Water Treatment Plant. Pulls water from the Treated Water Storage Tank (TWIST) and pumps through the new Zone A Transmission Main to the existing A-Zone distribution system near Reservoir A. 2. Facility 25 – Pump Station 2 – Installation of piping and valves which 	
	 allow for the backfeed of B-Zone from A-Zone if necessary. 3. Facility 30 – Zone A Transmission Main. Approximately 7350-ft of 16" PVC C900 or Ductile Iron water transmission main installed in Pine Needle Drive, Skyway and New Skyway with the majority of the pipeline in New Skyway. The work in New Skyway will involve traffic control, and diversion of traffic using Skyway. 	
<u>For:</u>	Paradise Irrigation District 6332 Clark Rd Paradise CA 95969	
Proposals Due:	1:00 pm, Thursday February 23, 2023	
Mandatory Pre-Bid Meeting: 10:00 am, Tuesday January 31, 2023		

APPROVED: APPROVED: SAME ADER DE

SAMI KADER, PE Project Manager <u>samik@wwengineers.com</u> 530-355-7646

DATE ISSUED: 16 Feb 2023

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The following changes, additions and/or deletions are hereby made a part of the Documents for the Construction of the PARADISE IRRIGATION DISTRICT ZONE A PUMP STATION AND TRANSMISSION MAIN PROJECT – JOB NUMBER 17-041 as fully and completely as if the same were fully set forth therein:

- 1. The answers to the questions asked to the engineer which were received after Addendum 2:
 - a. Drawing 20-I-3 shows Reservoir B existing RTU cabinet being modified and a new control panel "CP-10" being installed. There are no other drawings showing the work required at the Reservoir. Please provide more information on what work is required, including but not limited to electrical & site drawings, and conduit & wire information.
 - There is no work at Reservoir B as part of this project. Disregard this work shown.
 See changes to referenced drawing below.
 - b. Please provide a conduit and wire schedule for the project.
 - 1. See "CIRCUIT SCHEDULE" on 20-E-2.
 - c. Are flanged butterfly valves per the specifications acceptable at both pump stations? The use of lug or wafer style butterfly valves will limit the number of manufacturers that will be able to bid the valve package for the project.
 - No, flanged valves are not acceptable at either pump station. The arrangement spacing is too limited for the use of flanged valves. Provide valves as specified in the Valve Schedule; see revisions below.
 - d. Specification section 15200 VS Valve schedule, section 1.2 valve tag numbers V103, V203, V303, and V403 are listed as 8" wafer butterfly valves per valve type BFV-10. 15200 Section 2 a. calls out for flanged end short body butterfly valves, and section 3 under manufacturers references a Dezurik model BAW. Do you want me to provide a price for a wafer style butterfly valve per call out referencing the valve schedule or a flanged end per the specifications?
 - Provide LUG style valves per BFV-15. See Valve Schedule and Valve and Operators Specification revisions below.
 - e. On sheet 20-M-1 Facility 20 Plans, the combination air valve V503 is noted to reference detail 15234. Per the valve schedule this is a CARV-01 threaded 3" air valve. When I look at sheet SD-17 standard details 15234 it is calling for a 2" pipe coming from the process





pipe up to the combination air valve. This detail is also calling out for a backflush connection. In the specification section 15200 C CARV-01 combination air release valve for water service, section 2 c. calls for a single body type and section 3 manufacturers a. references a model 145C. This model is a single body water service combination air valve 2" and is not available with a backflush option. The details on the plans reference a sewage combination air release valve similar to an APCO model 401 with a backflush option. Do you want a water service single body air valve without a backflush option, or do you want a sewer combination air valve with a backflush option and is this to be a 3" per the valve schedule or a 2" per the detail and the referenced model number 145C?

- 1. See revised Valve Schedule V503. Provide CARV-02.
- f. Are insulating flange kits required at the connection between steel and ductile iron pipe per the "dissimilar metal piping connections" requirement of 15100.3.3.B.8.a(1)?
 - 1. No, steel and ductile iron are not dissimilar metals; no insulating flange kit is required between them.
- g. Please confirm that Pollution Liability insurance is required per 6.03M 00825-6.
 - 1. Yes, confirmed.
- h. Please confirm that Builder's Risk insurance is required per 6.04 00825-7.
 - 1. Yes, confirmed.
- Please confirm who is responsible for testing and inspection. Spec section 14.02 on page 56 of the general conditions states that it is the Owners responsibility. However, 01400-1 1.2 states that it is the Contractor's responsibility.
 - 1. Contractor.
- j. Please add a bid item for rock excavation per 01200-2 1.4A.
 - Remove Section 1.4 from 01200 Measurement and Payment. See modification to specifications below.
- k. At the pre bid meeting, it was mentioned that there is an old abandoned railway on Skyline.Are any of the old rails or ties still present within the alignment of the new ZATM?
 - 1. No.



- I. What responsibility does the contractor have for maintaining the cutback for the temporary patch for the ZATM?
 - 1. Contractor has to maintain the cutback in a smooth and drivable (even with the adjacent road surface) condition at the end of every workday.
- m. Are there any liquidated damages associated with not completing the ZATM by July 2023?
 - 1. The portion of the ZATM shall be substantially completed within 70 working days from NTP which is approximately June 1, 2023.
 - 2. There will be no liquidated damages for not completing the ZATM within the required timeframe.
- n. Plan sheet G-4 note 15 references project signs. How many will be required for this project?
 - 1. No project signs are required for this project.
- Will the contractor be required to install temp fencing around the excavations for the installation of ZATM per 02300 3.1C?
 - 1. No temporary fencing is required around the ZATM trenches.
 - Trenches should be backfilled, plated and safe for traffic at the end of every workday. No open trenches in the public right of way are allowed during nonwork hours.
- p. Will the owner require a work plan prepared by an environmental specialist or industrial hygienist per 5.2.2 of the Geotech report?
 - 1. Yes, for work in areas where naturally occurring asbestos has been identified on the drawings. See revised drawings.
- q. For 00300 Bid Form Items 5 and 6, what areas of the ZATM does this cover? What final paving is required that is not covered in these items? Is any final paving required in item 7?
 - 1. Item 5 corresponds to Standard Detail 2200.
 - 2. Item 6 corresponds to Standard Detail 2200A (STA 23+19.30 to STA 70+00).
 - 3. See standard detail callouts on drawings 30-P-01 to 30-P-17.



- These two standard details cover all paved areas along the pipeline. Standard Detail 2200 applies to both the main line and the branches outside of STA 23+19.3 to 70+00.
- r. Clarify the Section 6.02 Progress Payment; Retainage clause in 00500 Agreement Form.
 - 1. See changes to the specification noted below.
- s. Per 15100 PSDS PVC2-1 under the "Joints" section, it states that restrained sections are to be DIP and not PVC. On the material list in addendum 2, there is no DIP for the ZATM. Will PVC be allowed or is the contractor required to purchase the DIP and PVC/DIP transition sleeves for the restrained sections?
 - PVC will be allowed in the restrained section. The restraint method will be Bell Harness Restraint. The harnesses will be provided by the District.
- t. No megalugs are included on the materials list provided in addendum 2 for the fittings. Is the contractor to supply the megalugs for the ZATM?
 - 1. No, the restrained glands and bolt kits are included in the Owner's pre-purchased scope of supply.
- u. Will the owner be supplying jobsite water for the project? If so, what is the cost and where will the contractor be able to draw the water from?
 - The contractor must obtain a construction meter for construction water by applying for one at PID's District office. The contractor can specify a preferred location for the construction meter(s). The cost can be found on PID's website: <u>https://www.pidwater.com/service</u>. See "Construction Water (For Contractors)"
- v. Would the City/County/owner consider shutting down New Skyway Road during the install of the 16" pipeline and detouring all traffic over to Skyway Road vs putting northbound traffic on New Skyway during the install of the 16" main in that section of roadway?
 - 1. No, the project shall be built using the general traffic control plan as listed in the drawings.
- w. Who is supplying and paying for Third Party inspection for the project?
 - 1. The contractor.

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- x. Do we have to cover owner's inspector overtime. If so, what is the hourly cost?
 - 1. No, however, contractor must receive prior approval from owner to work outside of the listed work hours.
- y. The geotechnical report states that there is naturally occurring asbestos in the serpentine rock along the pipeline alignment. Will the contractor be responsible for testing & disposal if it is encountered?
 - Yes, Contractor is to expect naturally occurring asbestos (NOA) in the Zone A Pump Station excavation area and the first section of the pipeline along Pine Needle Drive. See the notes added to the related drawing sheets.
- Sheet 68 shows the "Pipe Zone" drawing with a sand envelope of 12" above the top of pipe. The "Existing Paved Area" drawing shows CLSM in the envelope and up to 2" from RIM. Most of the 16" and 12" C900 pipeline is in an existing paved area. Can we get some clarification on this?
 - 1. Pipe bedding can be sand or CLSM at contractor's option.
- aa. Questions regarding the CLSM backfill:
 - Addendum #1 requires the contractor to use CLSM backfill on New Skyway that will achieve 50 psi within 2 hours. I have spoken with A & A Ready Mix (email attached) and they have told me that this is not possible and keep the finished product excavatable. The specifications state that the psi will be no more than 150 after it is cured which is not possible.
 - 2. Can we use soil cement produced in an onsite pugmill as an alternate to CLSM as allowed by CAL TRANS which will meet the 50-150 psi requirement in the specifications? Please note that this option will not meet the 50 psi requirement in addendum #1 either.
 - 3. Can we substitute CLSM slurry with Caltrans spec'd "Popcorn?" The benefits of being able to not wait for cure time will boost productivity.
 - A. The requirement for admixtures to achieve 50 PSI within 2 hours is being removed from the contract. See updated construction notes for G-4.

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- B. CLSM is still the specified backfill material in paved areas. If the selected contractor wants to propose a substitute (ie: soil cement, "Popcorn" dry mix, etc.), it can be submitted as an equal and will be considered with more detailed information provided.
- bb. Page 46-62 note 1. states "Cover for buried pipe is 3' min. Unless otherwise noted. Replace trench backfill material with CLSM if buried pipe cover is less than 3'." Can we get some clarification? This does not agree with the "Existing Paved Area" drawing. It leaves interpretation for the trench backfill.
 - 1. Backfill for ZATM to be CLSM in all paved areas.
 - 2. Backfill for ZATM in non-paved areas where cover is less than 3'0" shall be CLSM.
- cc. (continued from previous question) Does this mean if you have more than 3' of cover over the top of pipe you can use a 12" sand envelope over the top of pipe and a class 2 aggregate R.C. to 95% to RIM?
 - 1. No, if the location in question is in a paved area.
 - 2. Yes, if the location in question is NOT in a paved area.
- dd. If field utilities not known or shown on the plans have invert conflicts not allowing adequate cover for the Transmission main, would it be preferable to install a vertical restrained drop or would removing pipe to gradually lower its invert be needed? Since PID is ordering the materials, who would purchase the material and would this be an approved change order?
 - This issue would be handled during the construction time frame by submitting a Request for Information to the Engineer. The Engineer will determine the preferred solution. If necessary, the Owner will submit a Request for Change to the contractor. Whether the Owner or Contractor will supply the materials will be determined at that time.
- ee. We have talk to the supplier of the Vertical Turbine Pumps for the project. We are being told that the submittal time is 10-12 weeks with delivery in 48 to 50 weeks, Total time to site 58 to 62 weeks. We also talk to the electrical subcontractors who are telling us that the electrical gear could out 52 to 60 weeks out. With only 220 working days to complete



the project, the contractors will need more time to complete the project. Please advise if the owner will increase the project time.

- Additional time has been added to the project for this reason. See change to specifications below.
- ff. Floway's lead times for the four (4) vertical turbine pumps is 10-12 weeks for submittal and 45-50 weeks for delivery after submittal approval. The specified project timeline is 200 working days. Can the timeline be extended to accommodate the lead times of the specified manufacturer?
 - 1. Yes, see the change to specifications below.
- gg. What is the maximum incoming pressure to suction barrel at the Zone A Pump Station vertical turbine pump?
 - 1. 7.25 feet of head. See the existing "WSE 2200.00" call out to the right of the pump can on sheet 20-M-3.

Make the following changes to Volume 1 – Bid Requirements and Specifications:

- 2. Make the following changes to Volume 1 Specifications:
 - a. **CHANGE** Section 00080 Advertisement for Bids description of project substantial completion to: **300 working days**, and completion to: **320 working days** from the date established in the Notice to Proceed.
 - 1. This change **DOES NOT** affect the substantial completion of the portion of the ZATM pipeline from Station 23+19.30 to 70+00, approximately 4681-ft.
 - b. **CHANGE** Section 00500 Agreement Form, Article 4.01 *Contract Time: Working Days* Section A to read:
 - The Work will be substantially complete within **300** working days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **320** working days after the date when the Contract Times commence to run.
 - c. **CHANGE** Section 00500 Agreement Form, Article 6.02 Progress Payments; Retainage. 1. A to read:
 - 1. **95** percent of the value of the work completed...
 - 2. **95** percent of cost of materials and equipment not incorporated in the Work...



- d. **DELETE** Section B from Article 6.02 in Section 00500.
- e. **ADD** to Specification Section 00825, SC-6.04. F:
 - 14. Minimum builder's risk amount shall be the value of the bid plus 10%.
- f. ADD before Section 00825, SC-11.03.B.2: "If"
- g. **REPLACE** Section 00300 with the attached revised Bid Form.
- h. **DELETE** Section *1.4 Description of Unit Price Bid Item* from Section 01200 Measurement and Payment Part 2 in its entirety.
- i. CHANGE 15200 PSDS PVC2 Joints to read:
 - Rubber-gasketed bell and spigot or rubber-gasketed couplings. Restrained joint
 PVC piping is allowed. In sections where joint restraint is required as shown on

the drawings, use Bell Harness Restraint: Split or Wedge Bell Restraint Harness,

EBAA Series 6500 or Series 2800, or equal.

j.	CHANGE 15200 VS as described below:
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		ZONE A PU	MP STATION		
V103	BFV-15	LUG	8″	EX	HW
V203	BFV-15	LUG	8″	EX	HW
V303	BFV-15	LUG	8″	EX	HW
V403	BFV-15	LUG	8″	EX	HW
V502	BFV-15	LUG	12″	EX	HW
V503	CARV-02	FLG	3″	EX	N/A
		PUMP ST	ATION #2		
V701	BFV-15	LUG	8″	EX	L
V702	BFV-15	LUG	8″	EX	L
V703	BFV-15	LUG	6″	EX	L
V705	BFV-15	LUG	6″	EX	L
V706	BFV-15	LUG	8″	EX	L
V707	PRV-50	FLG	8″	EX	N/A
V708	BFV-15	LUG	8″	EX	L





k. **INSERT** into Section 15200 Valves and Operators, Section 2.3:

C. BFV-15: Butterfly Valve 2 inches to 20 inches:

- 1. Service: Water.
- 2. Features:
 - a. Single offset disc
 - b. Lugged or wafer body style
 - c. Suitable for used with ASME class 125/150 flanges
 - d. Provide bi-directional bubble-tight shutoff at 200 psi
 - e. 316 SST disc and shaft
 - f. NSF/ANSI 61 certified for drinking water
- 3. Discs:
 - a. Offset to provide an uninterrupted 360-degree seating edge
 - b. Material: 316 SST
 - c. Splined disc/shaft connection
- 4. Bodies:
 - a. Ductile iron
 - b. Lugged valves shall provide bubble-tight shutoff up to the full valve rating on dead head service without the use of downstream flanges.
 - c. Wafer valves shall have four flange bolt guides to center the body in the pipeline.
- 5. Elastomer seats
 - a. Shall fully line and be permanently bonded to the valve body
 - b. Seats shall be EPDM.
 - c. Seats shall have integral flange seals so flange gaskets are not required.
- 6. Shafts
 - a. 316 SST
 - b. Shaft diameters to meet AWWA C504, class 75B standard
 - c. Multiple shaft seals shall be provided to prevent leakage.
- 7. Shaft Bearings
 - a. Made of heavy-duty aluminum bronze
 - b. Ensure smooth, reliable valve operation
 - c. Locate bearings adjacent to the top and bottom of the disc
 - d. Third bearing at the top of the valve neck supports loading from actuators
- 8. Operators
 - a. Provide lever operators for valve sizes 2" to 6" provide automatic, positive latching in the open, closed, and eight intermediate positions.
 - b. Provide gear actuators for valves 8" and larger
- 9. Actuators
 - a. Cast iron weatherproof or buriable construction
 - b. Adjustable open and closed position stops
 - c. Operating shaft to be supported axially and radially at the input end by permanently lubricated thrust and sleeve bearings.
- 10. Warranty
 - a. Warranted by the manufacturer for defects in materials and workmanship for a period of two years (24 months) from date of shipment
- 11. Manufacturers and Products:
 - a. Dezurik BOS-US Uninterrupted Seat Resilient Seated Butterfly Valve
 - b. Or equal
- 3. Make the following changes to Volume 2 Drawings (11 inch by 17 inch):





a. **DELETE** portion of Note 4 in Additional Notes for Work on New Skyway on sheet G-4:

CLSM MIX DESIGN SHALL INCLUDE ADMIXTURES TO PROVIDE 50 PSI STRENGTH SET IN THAT 2 HOUR TIMEFRAME TO BE SAFE FOR TRAFFICE USE.

- b. **DELETE** Note 15 under General Notes on G-4.
- c. **ADD** Note 4 to 20-C-1:
 - 4. CONTRACTOR TO EXPECT NATURALLY OCCURING ASBESTOS IN THIS PORTION OF EXCAVATION AND FOLLOW ALL REQUIRED BUTTE COUNTY RULE 270 REQUIREMENTS, CAL OSHA MITIGATION MEASURES AND CARB ASBESTOS ATCM FOR CONSTRUCTION, GRADING, QUARRYING AND SURFACE MINING OPERATIONS STANDARDS DURING EXECUTION OF THE WORK INCLUDING EXCAVATION, HANDLING, TRANSPORTATION AND DISPOSAL OF THE MATERIALS.
- d. **REMOVE** callout 15234 for V503 on Sheet 20-M-1. Add 3" flanged outlet to the WSP header

for V503.

- e. **DELETE** the work as shown on the attached 20-I-3.
- f. **REPLACE** the following sheets with the attached drawings:
 - 1. G-4
 - 2. G-16
 - 3. 20-C-1
 - 4. 20-M-1
 - 5. 20-1-3
 - 6. 30-P-1
 - 7. 30-P-2
 - 8. 30-P-3
 - 9. 30-P-15
 - 10. 30-P-16
 - 11. 30-P-17
- g. **REPLACE** PID Standard Details on sheets SD-1 to SD-5 with the attached drawings:
 - 1. PID-02 THRUST BLOCK DETAILS
 - 2. PID-03 VALVE BOX DETAIL





- 3. PID-04 FIRE HYDRANT INSTALLATION
- 4. PID-09 MANUAL AIR VALVE ASSEMBLY
- 5. PID-10 AIR RELEASE AND VACUUM RELIEF
- 6. PID-11 STATE HEALTH DEPARTMENT EXCEPTIONS TO BASIC SEPARATION STANDARDS FOR POTABLE WATER AND SEWER PIPELINES
- 7. PID-15 RP INSTALLATION FOR DOMESTIC CONNECTIONS UP TO 2"

NOTE TO BIDDER: Use BLACK ink for completing this Bid Form.

SECTION 00300

BID FORM

To: Para	dise Irrigation District
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Address:	6332 Clark Road,	
	Paradise, CA 95969	

Project Identification: Zone A Pump Station and Transmission Main Project

1. BIDDER'S DECLARATION AND UNDERSTANDING.

1.1 This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm, or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

1.2 In submitting this Bid, Bidder acknowledges and accepts CONTRACTOR's representations as more fully set forth in the Agreement Form.

1.3 In submitting this Bid, Bidder certifies Bidder is qualified to do business in the state where the Project is located as required by laws, rules, and regulations or, if allowed by statute, covenants to obtain such qualification prior to contract award.

2. CONTRACT EXECUTION AND BONDS.

2.1 The undersigned Bidder agrees, if this Bid is accepted, to enter into an Agreement with OWNER on the form included in the Bidding Documents to perform and furnish Work as specified or indicated in the Bidding Documents for the Contract Price derived from the Bid and within the Contract Times indicated in the Agreement and in accordance with the other terms and conditions of the Bidding Documents.

2.2 Bidder accepts the terms and conditions of the Bidding Documents.

3. INSURANCE.

3.1 Bidder further agrees that the Bid amount(s) stated herein includes specific consideration for the specified insurance coverages.

4. CONTRACT TIMES.

00300-1

Paradise Irrigation District Zone A Pump Station and Transmission Main Project WWE Project No. 17-041 4.1 Bidder agrees to accept Contract Times set forth in the Agreement Form.

5. LIQUIDATED DAMAGES.

5.1 Bidder accepts the provisions in the Agreement Form as to liquidated damages.

6. ADDENDA.

Bidder hereby acknowledges that it has received Addenda Nos. _____,

_____, ____, ____, ____, ____, ____, ____, Bidder shall insert number of each Addendum received) and agrees that Addenda issued are hereby made part of the Bidding Documents, and Bidder further agrees that this Bid includes impacts resulting from said Addenda.

7. SUBCONTRACTORS.

7.1 Bidder agrees to submit with their Bid a listing of all subcontracting firms or businesses that will be awarded subcontracts for portions of the Work which equal or exceed one-half of one percent of the Total Contract Price.

8. SALES AND USE TAXES.

8.1 The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated Bid prices for the Work.

9. BID

9.1 Bidder agrees to accept as full payment for the proposed Work within the Bidding Documents, based upon the undersigned's own estimate of quantities and costs and including sales, consumer, use, and other taxes, and overhead and profit, the bid quantities and totals stated in the following Bid Schedule.

Bid Schedule				
Item No.	Description		Total Cost	
1.	Mobilization - Demobilization		\$	
2.		Trench sheeting, shoring, and bracing as required by Section 6707 of the California Labor Code		
3.	Stormwater Pollution Pr	revention Plan	\$	
4.	Traffic Control		\$	
5.	3" Thick T-trench (52-60" wide) Repaving (Unit Price) \$/LF (per Standard Detail 2200)			
	Unit Price (\$/LF)	\$		
	Bid Quantity 2500 LF			
	Total T-trench Repaving	g Bid Amount	\$	
6.	3" Thick Lane Grind and Repave (Unit Price) \$/SF (per Standard Detail 2200A)			
	Unit Price (\$/SF)\$Bid Quantity 70,000SF3" Thick Lane Grind and Repave Bid Amount			
			\$	
7.	Installation of 16" ZATM including Valves and Fittings		\$	
8.	Leak Testing and Disinfection of 16" ZATM Pipeline and Appurtenances		\$	
9.	Pump Station #2 Improvements (including Demolition)		\$	
10.	Leak Testing and Disinf #2 Piping and Appurter	\$		
11.	ZAPS Civil Site Work (including site preparation, temporary shoring system, earthwork)		\$	

00300-3

12.	ZAPS Building Foundation (including slurry backfill)	\$
13.	ZAPS Pumps and Installation	\$
14.	14. ZAPS Building Structure (CMU walls and Metal Roofing Structure)	
15.	ZAPS Heating, Ventilation and Air Conditioning	\$
16.	ZAPS Site Finishing (including gravel surfacing, stairway and sidewalk concrete, and asphalt road repair within the limits of the WTP)	\$
17.	ZAPS Floor Drain System	\$
18.ZAPS Potable Water Piping, Valves, and Accessories (W1 System)19.ZAPS Finished Water Piping and Valves and Installation (FW System)20.Leak Testing and Disinfection of ZAPS W1 and FW Piping and Appurtenances		\$
		\$
		\$
21.	ZAPS Electrical and Instrumentation	\$
22.	SCADA Integration	\$
23.	All Remaining Work	\$
	Total Bid Lines 1-23 (Basis for Award)	\$

All other associated items of work and incidentals that are required to complete this project and provide a fully functioning facility in accordance with the contract documents are considered to be included in the Bid Schedule items and no additional compensation will be made by the District.

10. SURETY.

10.1 If Bidder is awarded a construction contract from this Bid, the surety who provides the Performance and Payment Bond(s) shall be:

Whose address is

00300-4

Paradise Irrigation District Zone A Pump Station and Transmission Main Project WWE Project No. 17-041

February 2023 Addendum 3

		Street	City	State	Zip
11.	LICEN	ISE.			
	11.1	Class	_, California Contractor License No.:		
12.		BIDDER.			
<u>An In</u>	dividual	<u>l</u>			
Ву					
			(Individual's name and signatur	e)	
<u>A Par</u>	tnership	<u>)</u>			
By					
,			(Partnership name)		
			(Name and signature of general particular	rtner)	
			(Title)		
	poratio	n			
Ву			(Corporation name)		
			(
			(State of incorporation)		
Ву					
		(Na	me and signature of person authorize	ed to sign)	
			/		
			(Title)		
(Corp	orate S	eal)			

<u>A Joint Venture</u>				
Ву				
(Business name)				
(Name and signature of person authorized to sign)				
Pv.				
By (Business name)				
(Name and signature of person authorized to sign)				
(Each joint venturer must sign. The manner of signing each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)				
Name, Phone Number, and Address for receipt of official communications and for additional information on this Bid:				
SUBMITTED ON, 20				
+ + END OF SECTION + +				

00300-6

GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT ITS EXPENSE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS
- 2. DEVIATION FROM THESE PLANS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
- 3. IN THE EVENT THAT ANY CONFLICT BETWEEN ANY PROVISIONS OF THE CONSTRUCTION AGREEMENT OR OF THE SPECIFICATIONS OR OF THE DRAWINGS SHALL DEVELOP, THE ENGINEER SHALL DETERMINE WHICH PROVISION SHALL PREVAIL AND HIS DECISION SHALL BE FINAL AND BINDING UPON THE PARTIES AND SHALL NOT BE SUBJECT TO ARBITRATION OR REVIEW.
- 4. CONTRACTOR SHALL COORDINATE ALL WORK WITH PARADISE IRRIGATION DISTRICT (DISTRICT) AND BUTTE COUTY WHEN WORKIN WITHIN PUBLIC RIGHT-OF-WAY
- 5 ALL PIPE LENGTHS AND DISTANCES BETWEEN STRUCTURES ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE ALONG A HORIZONTAL PLANE.
- 6. ELEVATIONS FOR THE PROPOSED PIPELINE ARE TO THE INVERT OF THE PIPE.
- 7. MINOR CHANGES IN THE HORIZONTAL AND VERTICAL ALIGNMENT OF THE PIPELINES MAY BE PROPOSED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL TO FACILITATE CONSTRUCTION AND AVOID FIELD CONFLICTS.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS OR MARKERS DURING CONSTRUCTION.
- 9 LOCATIONS OF EXISTING SHOWN UTILITIES ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE SIZE, DEPTH, ORIENTATION, MATERIAL AND LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND SUBMIT THIS INFORMATION TO THE ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THE PROTECTION OF EXISTING UTILITIES. THE ENGINEER HAS ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER OR DISTRICT ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. PRIOR TO DIGGING ON AND OFF SITE, CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY CALLING "UNDERGROUND SERVICE ALERT ("USA") 1-800-227-2600 FOURTEEN (14) DAYS MINIMUM BEFORE BEGINNING ANY EXCAVATION. THE CONTRACTOR SHALL CONTACT ANY UTILITY COMPANY WHOSE UTILITIES ARE NOT LOCATED BY "USA" FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR TO EXISTING CONDITIONS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COORDINATE WORK WITH CONFLICTING UTILITIES AND PROVIDE FOR REMOVAL, RELOCATION AND REPLACEMENT AS NECESSARY FOR INSTALLATION OF THE PROPOSED UTILITIES, UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATION. THE CONTRACTOR SHALL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION OR ANY RELOCATION.
- 10. BURIED TELEPHONE, GAS AND CATV CABLES (FIBER OPTICS AND CONVENTIONAL) ARE KNOWN TO VARY IN DEPTH AND LOCATION DUE TO INSTALLATION TECHNIQUES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANY TO DETERMINE SPECIFIC CABLE LOCATIONS AND NOTIFYING THE ENGINEER OF THE EXACT ELEVATION OF THE CABLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH LOCATING, COORDINATION FOR RELOCATION OR REPAIRING OF BURIED CABLES AND GAS ALONG THE PIPELINE ALIGNMENT.
- 11 EXISTING OVERHEAD ELECTRIC AND TELEPHONE TRANSMISSION LINES IN THE PROJECT AREA MAY NOT BE SHOWN ON DRAWINGS. EXTREME CAUTION SHALL BE USED WHEN WORKING IN THE VICINITY OF OVERHEAD UTILITIES SO AS TO PREVENT INJURY TO WORKERS OR DAMAGE TO THE UTILITIES
- 12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD ANY FIELD CONDITIONS BE ENCOUNTERED THAT VARY FROM THE INFORMATION PROVIDED IN THE CONTRACT DOCUMENTS.
- 13. THE CONTRACTOR SHALL NOTIFY PACIFIC GAS & ELECTRIC (PG&E) PRIOR TO EXCAVATING CLOSER THAN FIVE FEET TO AN EXISTING UTILITY POLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY ADDITIONAL SUPPORT OF EXISTING POWER POLES AS REQUIRED FOR TRENCH EXCAVATION. ALL COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR.
- 14. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY AND PERMANENT SIGNS AS REQUIRED BY CALTRANS ALONG STATE ROADWAYS AND BY THE COUNTY ALONG STREETS, IN ACCORDANCE WITH THE APPROVED TRAFFIC CONTROL PLAN.
- 15. THE CONTRACTOR SHALL INSTALL PROJECT DESCRIPTION TEMPORARY SIGNS AS REQUIRED BY THE ENGINEER AND DISTRICT
- 16. MINIMUM PIPE COVER FOR ALL UTILITIES SHALL BE 2'-6" UNLESS LESS COVER IS SPECIFICALLY APPROVED BY THE ENGINEER OR SHOWN ON PLANS.
- 17. LIMITS OF PAVEMENT REMOVAL AND RECONSTRUCTION SHALL BE IN ACCORDANCE WITH COUNTY STANDARDS AND AS MODIFIED HEREIN. THE ASPHALT CONCRETE ALONG THE EDGES OF THE TRENCH SHALL BE SAWCUT AND REMOVED TO A STRAIGHT LINE PRIOR TO FINAL PAVING. EXPOSED VERTICAL EDGES WHICH WILL HAVE ASPHALT CONCRETE AGAINST THEM SHALL BE TACKED WITH EMULSION PRIOR TO PLACEMENT OF ASPHALT CONCRETE. IN NO CASE SHALL THE THICKNESS OF THE NEW PAVEMENT SECTION BE LESS THAN THAT OF THE EXISTING PAVEMENT
- 18. THE CONTRACTOR SHALL REMOVE AND REINSTALL ALL EXISTING FENCE AS REQUIRED FOR

FACILITIES INSTALLATION. ANY ADDITIONAL FENCE MATERIALS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PRIVATE PROPERTY OWNERS OR DISTRICT. REPLACED FENCE SHALL MATCH EXISTING FENCE TYPE.

- 19. CARE SHALL BE TAKEN TO PROTECT EXISTING PLANTS, SHRUBS, TREES, LAWN, LANDSCAPE AREAS AND IRRIGATION SYSTEMS. ANY ITEMS REMOVED OR DAMAGED SHALL BE REPLACED. ALL ITEMS WHICH REQUIRE REMOVAL OR ARE DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED TO ORIGINAL CONDITION AND TO THE APPROVAL OF THE ENGINEER
- 20. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL DEVELOP AND SUBMIT TO THE ENGINEER A SHORING PLAN. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SHEETING, SHORING AND BRACING REQUIRED FOR THE INSTALLATION OF THE LITILITY, ALL EXCAVATIONS SHALL BE KEPT WITHIN THE DESIGNATED EASEMENT WIDTHS. EXCAVATION WITHIN PAVED AREAS SHALL BE KEPT TO A MINIMUM. SHEETING SHALL BE INSTALLED AS REQUIRED TO PROTECT EXISTING UTILITIES
- 21 PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL DEVELOP AND SUBMIT TO THE ENGINEER A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL COMPLY WITH THE APPROVED TRAFFIC CONTROL PLAN AT ALL TIMES. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND TO PROVIDE FOR THE PROPER AND CONTINUOUS SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CMUTCD), LATEST EDITION.
- 22. ADVISORY SIGNS SHALL BE POSTED A MINIMUM OF 21 DAYS IN ADVANCE OF CONSTRUCTION ACTIVITIES.
- 23. ALL NON-APPLICABLE SIGNS SHALL BE COVERED WITH BLACK PLASTIC OR REMOVED
- 24. ALL MATERIAL CLEARED AND GRUBBED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK, SUCH AS TREES, VEGETATION, FENCING, ETC., SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE AT AN APPROVED DISPOSAL SITE.
- 25. THE CONTRACTOR SHALL MAINTAIN A MEANS FOR INGRESS/EGRESS TO EACH PROPERTY AT ALL TIMES
- 26. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING. ANY EXISTING SURVEY STAKES SHALL NOT BE USED BY THE CONTRACTOR
- 27 THE EXISTING VEGETATION OUTSIDE OF THE CLEARING LIMITS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL INSTALL A 4 FOOT HIGH ORANGE BARRIER FENCE ALONG THE CLEARING LIMITS PRIOR TO CLEARING THE SITE.
- 28. ALL CONSTRUCTION ACTIVITY SHALL BE LIMITED TO STREET RIGHTS-OF-WAY, ON DISTRICT PROPERTY. AND THE CONSTRUCTION LIMITS AS SHOWN ON PLANS.
- 29. THE CONTRACTOR SHALL RESTORE ALL ACCESS ROADS AND STREETS WITHIN THE CONSTRUCTION LIMITS TO PRE-CONSTRUCTION CONDITIONS OR BETTER AND AS SHOWN ON THE CONTRACT DRAWINGS
- 30. ALL TRENCHING AND BACK FILLING SHALL BE IN ACCORDANCE WITH THE DISTRICT STANDARDS AND AS MODIFIED IN THE CONSTRUCTION DETAILS ELSEWHERE IN THE PLANS AND TECHNICAL SPECIFICATIONS. TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED. TRENCHES SHALL BE CLOSED OR COVERED AT THE END OF THE WORK DAY.
- 31 FOR ALL TRENCHING EXCAVATIONS 5 FEET OR MORE IN DEPTH. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF INDUSTRIAL RELATIONS PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- 32 THE CONTRACTOR SHALL PERMANENTLY PATCH PAVEMENT FOR ALL PARALLEL PAVEMENT DISTURBANCES BY THE END OF EACH WEEK. TEMPORARY WITH STEEL PLATES OR APPROVED EQUAL PATCHES SHALL BE PROVIDED DAILY AND MAINTAINED UNTIL THE PAVEMENT PATCH IS PROVIDED.
- 33. THE CONTRACTOR SHALL CONDUCT ALL WORK WITHIN THE AREAS ON THE PLANS.
- 34. CONTRACTOR MUST ACCESS WORK AREAS THROUGH PUBLICLY OWNED RIGHT-OF-WAY (R/W) OR THROUGH ACCESS POINTS DELINEATED ON THE PLANS WHERE PUBLIC RIGHT-OF-WAY IS NOT AVAILABLE.
- 35. PRIOR TO ACCEPTANCE OF THE UTILITIES, THE PIPELINES SHALL BE PROPERLY CLEANED OF ALL DEBRIS, AIR TESTED, MANDRELLED WHEN APPLICABLE, AND TELEVIEWED, PROPER CLEANING TECHNIQUES AND DEVICES SHALL BE UTILIZED TO INSURE NO DEBRIS, SAND, GRAVEL OR SILT WILL ENTER THE EXISTING STORM DRAIN SYSTEM.
- 36. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES
- 37. STRUCTURES NOTED IN THE PLANS AS EXISTING SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND ANY DISCREPANCIES NOTED SHALL BE REPORTED TO THE ENGINEER.
- 38. TYPICAL DETAILS AND SCHEDULES INDICATED MAY NOT BE SPECIFICALLY REFERENCED ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHERE EACH TYPICAL DETAIL OR SCHEDULE APPLIES. IF LOCATIONS ARE FOUND WHERE NO TYPICAL DETAIL, TYPICAL SCHEDULE, OR SPECIFIC DETAIL APPLIES. THE ENGINEER SHALL BE NOTIFIED
- 39. OBSERVATION VISITS (SITE VISITS) BY REPRESENTATIVES OF THE DISTRICT DO NOT INCLUDE INSPECTION OF CONSTRUCTION MEANS AND METHODS. SITE VISITS DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES ARE TO BE PERFORMED BY OTHERS

OR VERIFICATION OF CONSTRUCTION

- IMMEDIATELY.

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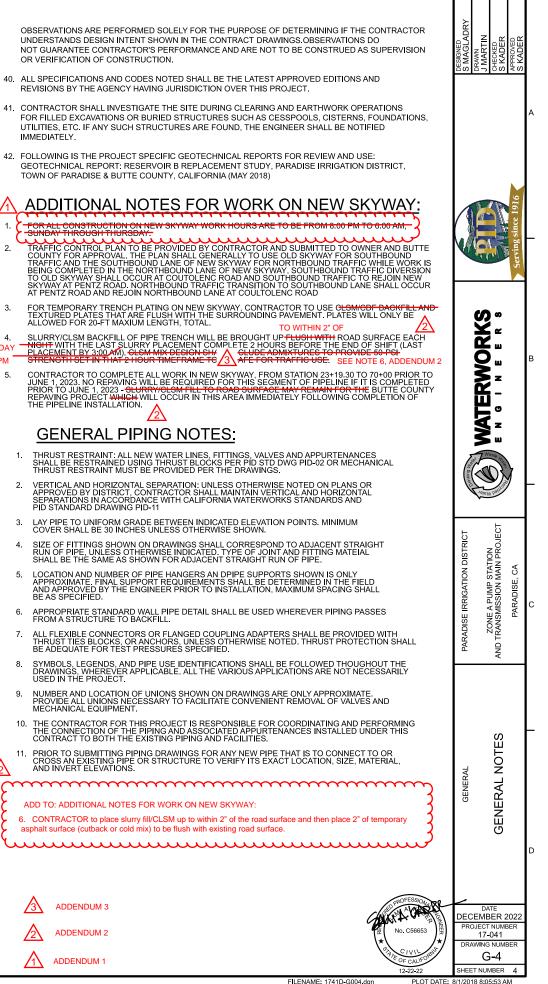
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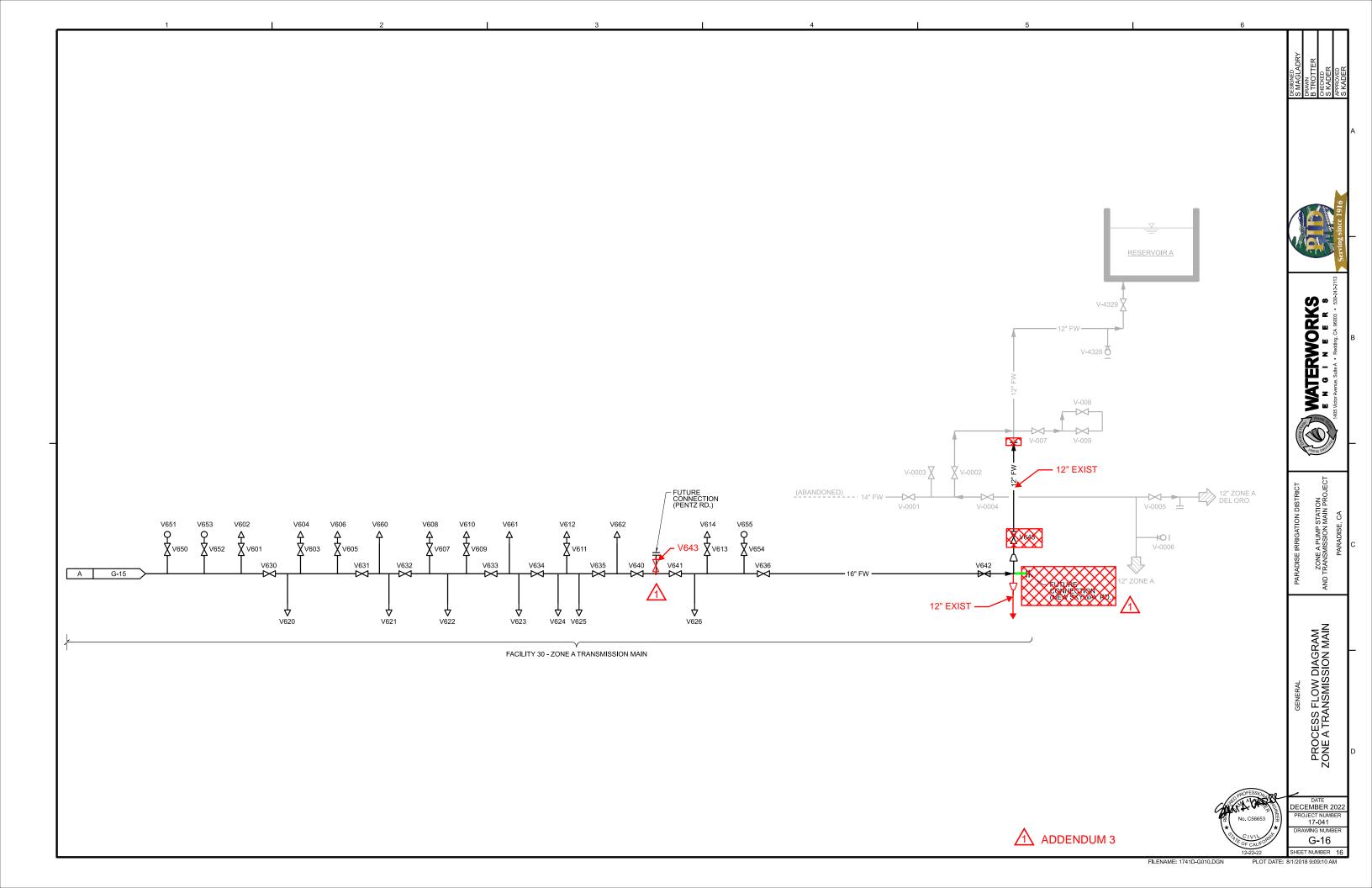
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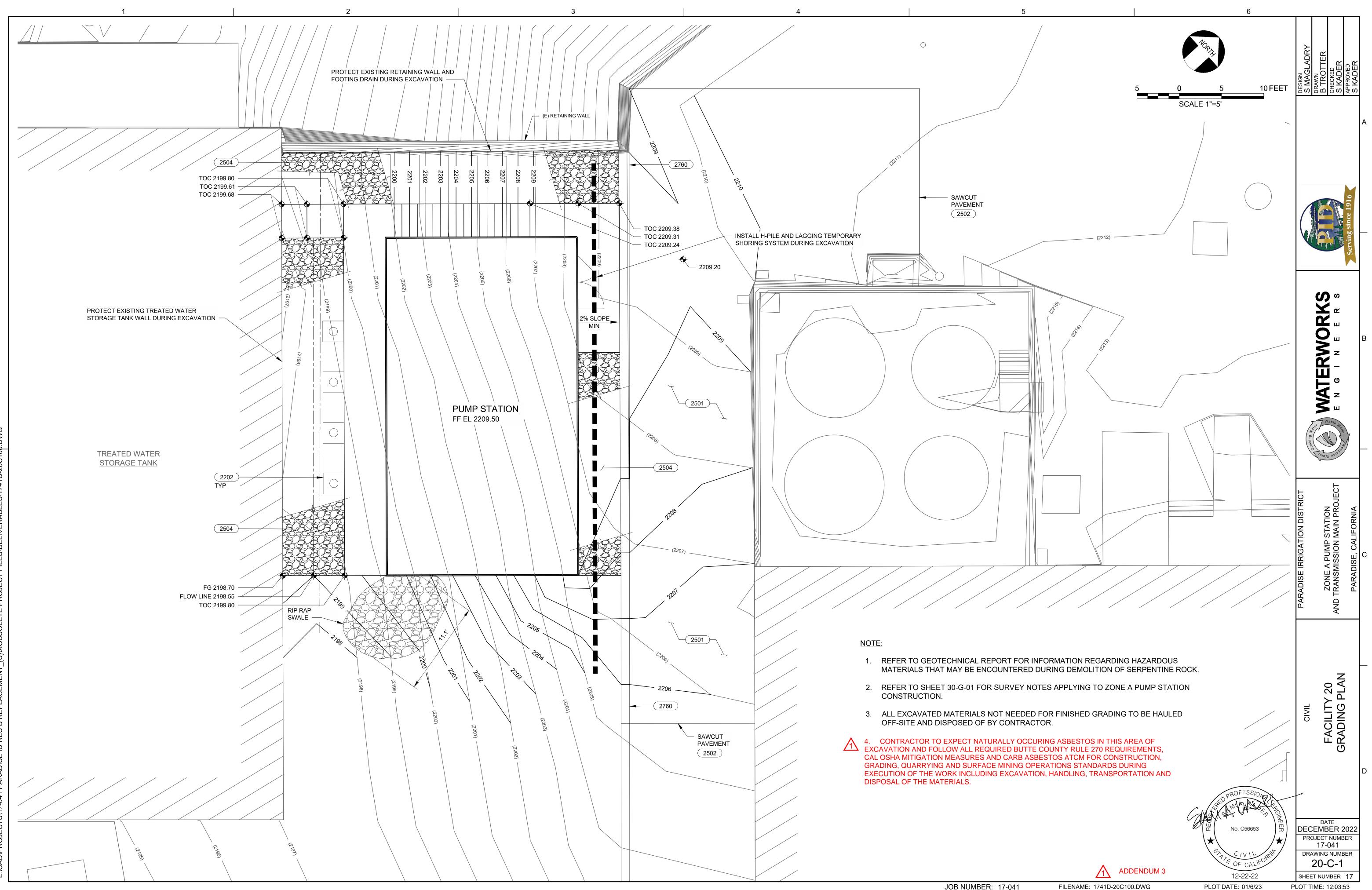
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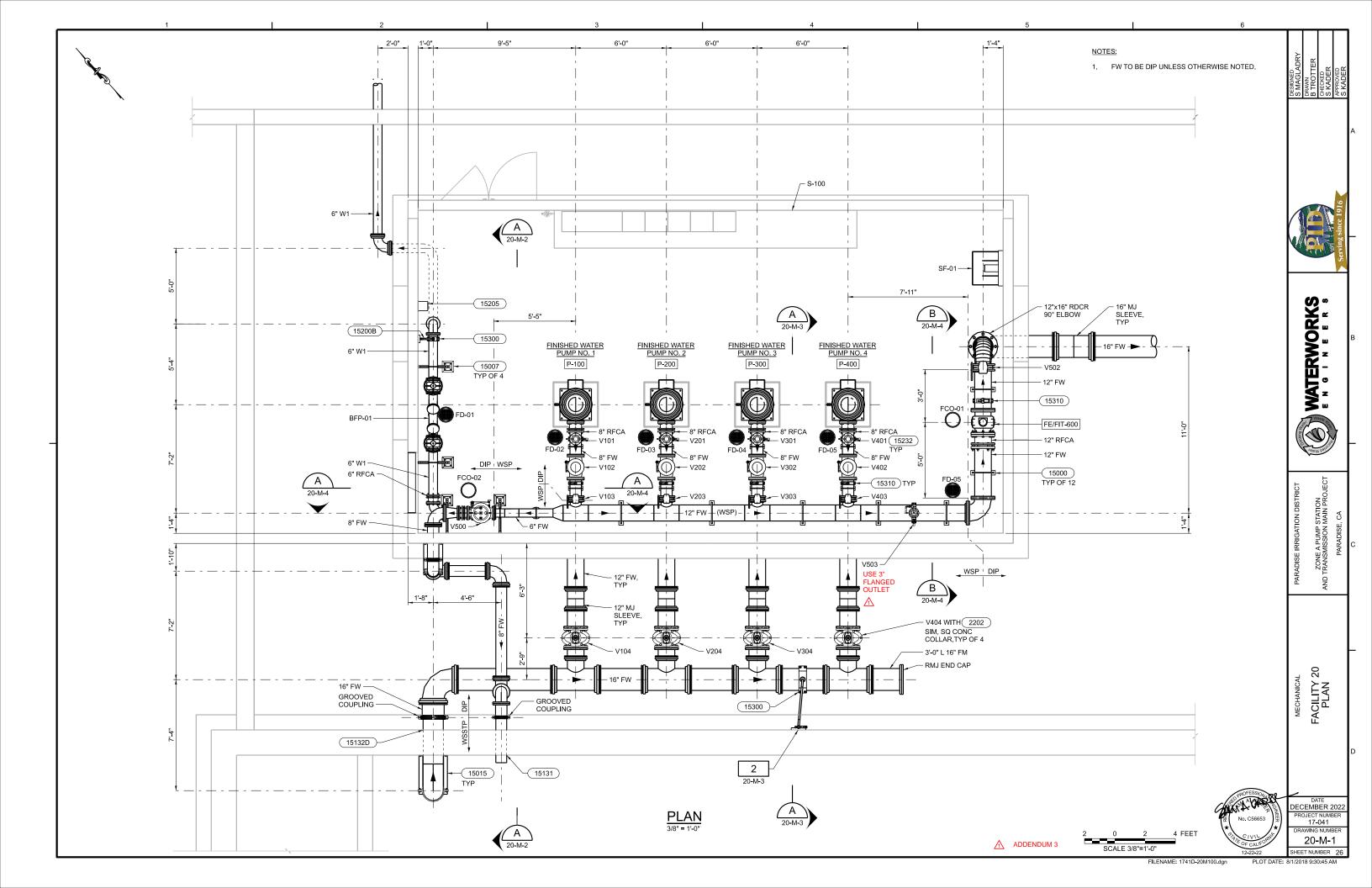
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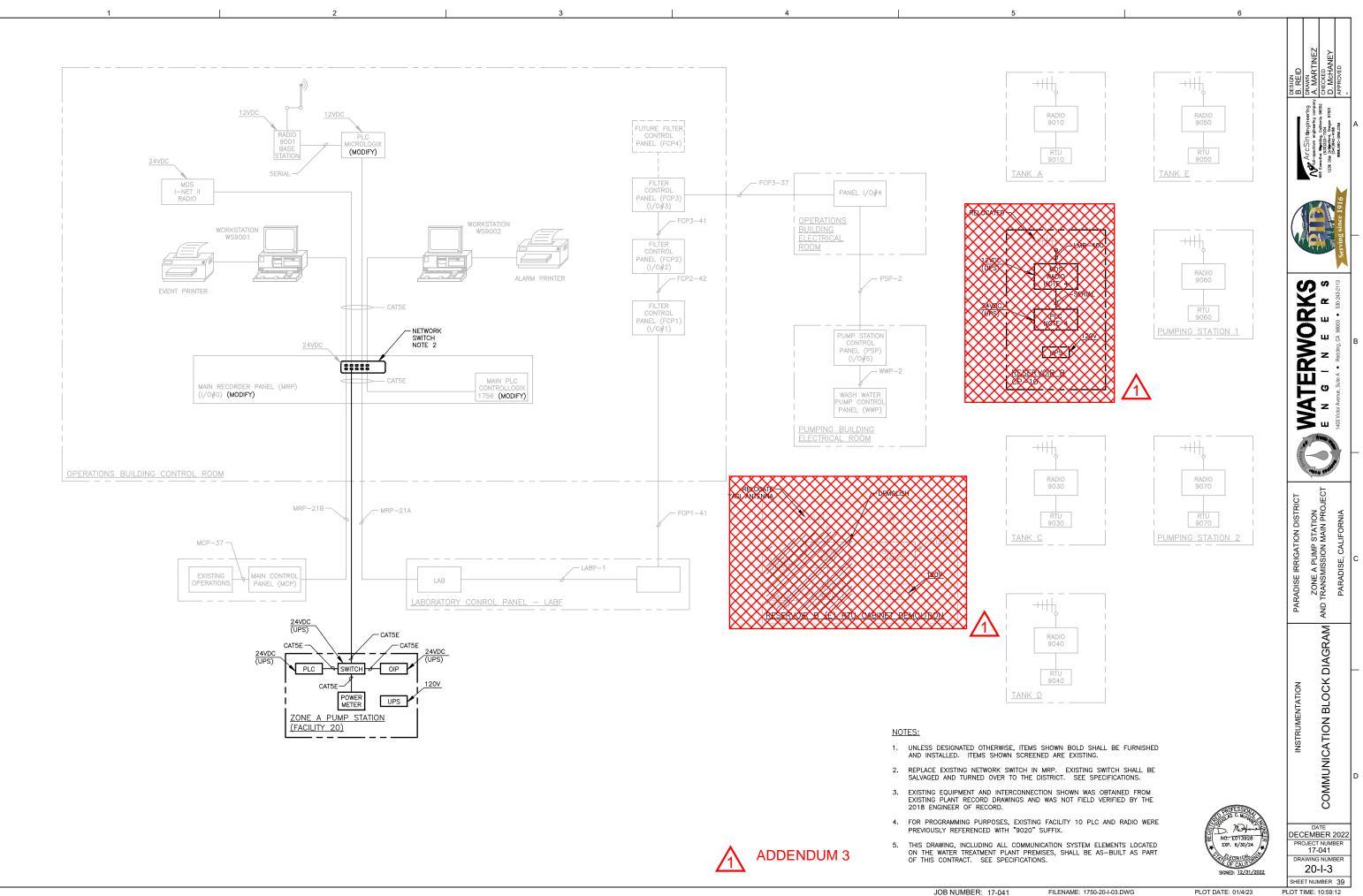
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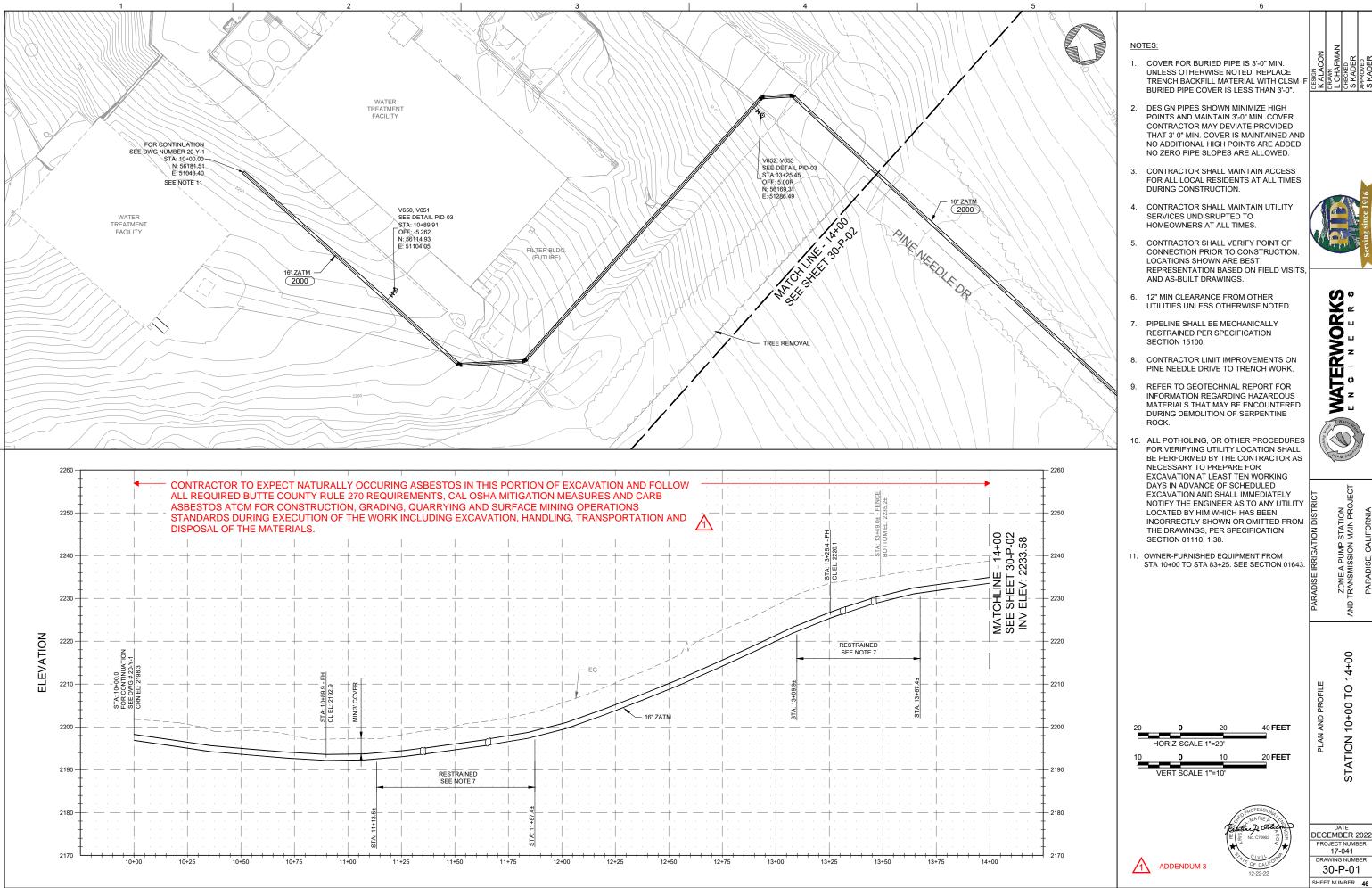








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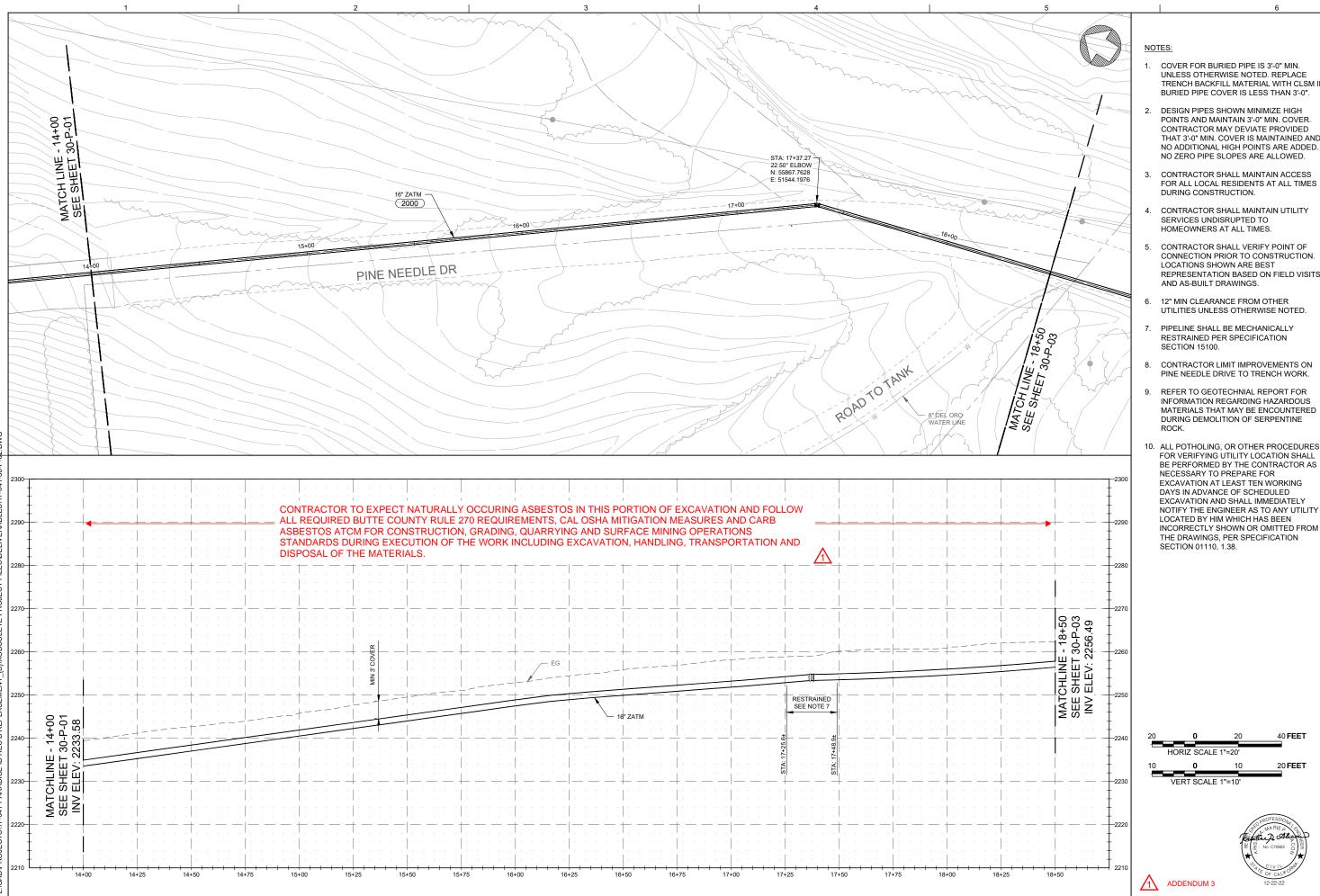
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CALIFOR

PARADISE,





- TRENCH BACKFILL MATERIAL WITH CLSM IF
- THAT 3'-0" MIN. COVER IS MAINTAINED AND NO ADDITIONAL HIGH POINTS ARE ADDED.
- FOR ALL LOCAL RESIDENTS AT ALL TIMES
- CONNECTION PRIOR TO CONSTRUCTION. REPRESENTATION BASED ON FIELD VISITS

- INFORMATION REGARDING HAZARDOUS MATERIALS THAT MAY BE ENCOUNTERED
- FOR VERIFYING UTILITY LOCATION SHALL BE PERFORMED BY THE CONTRACTOR AS NOTIFY THE ENGINEER AS TO ANY UTILITY INCORRECTLY SHOWN OR OMITTED FROM

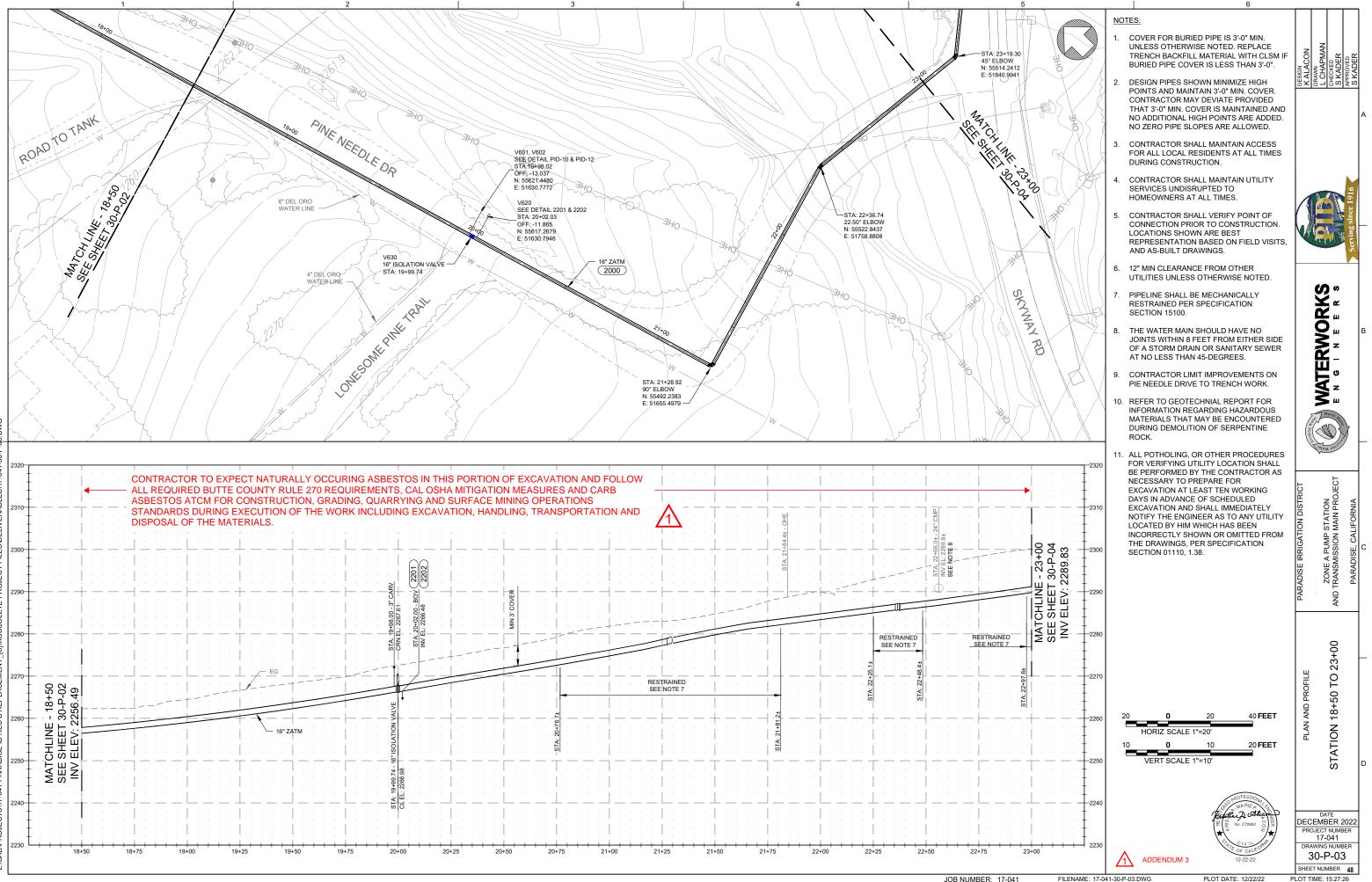
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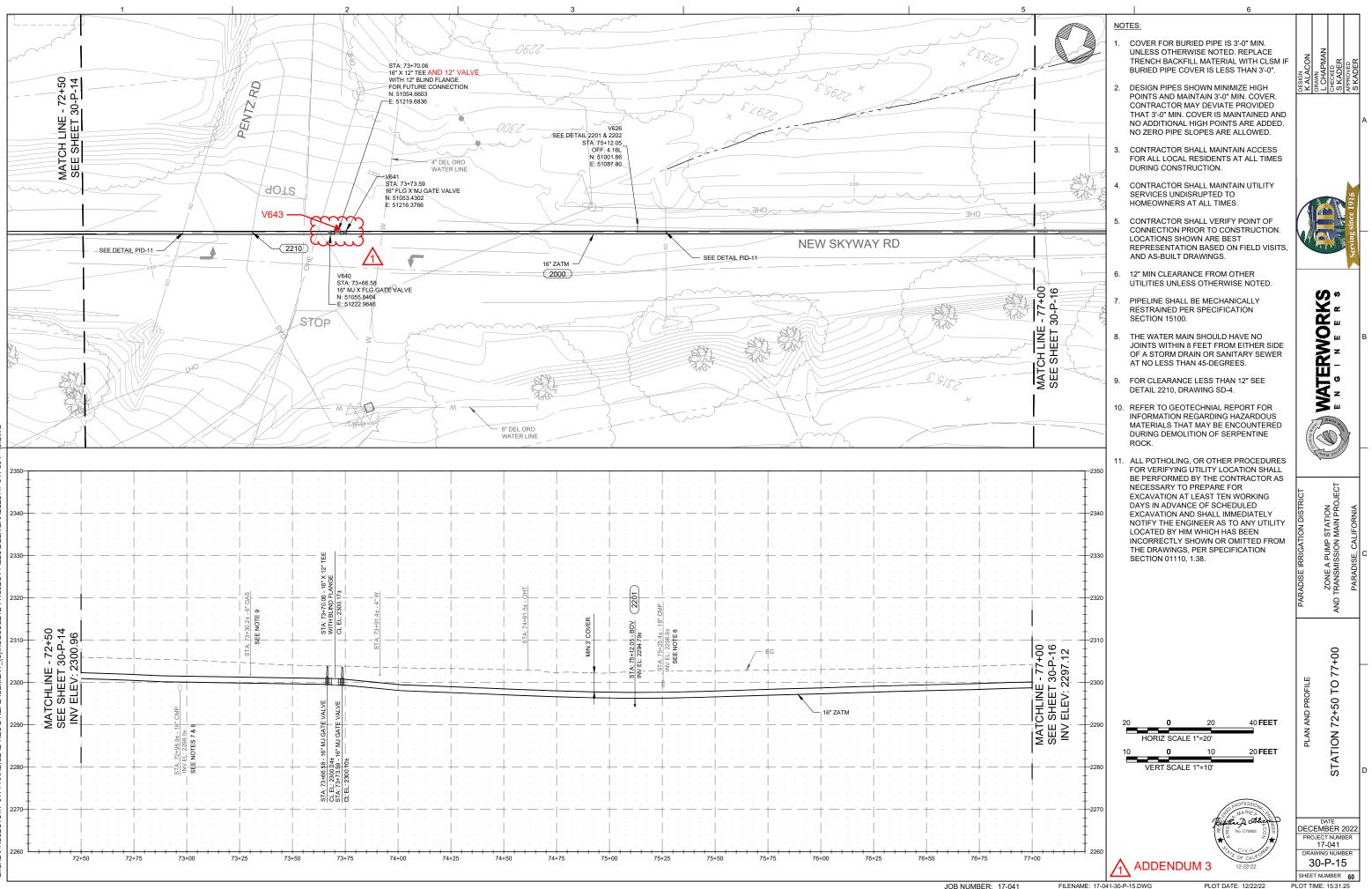




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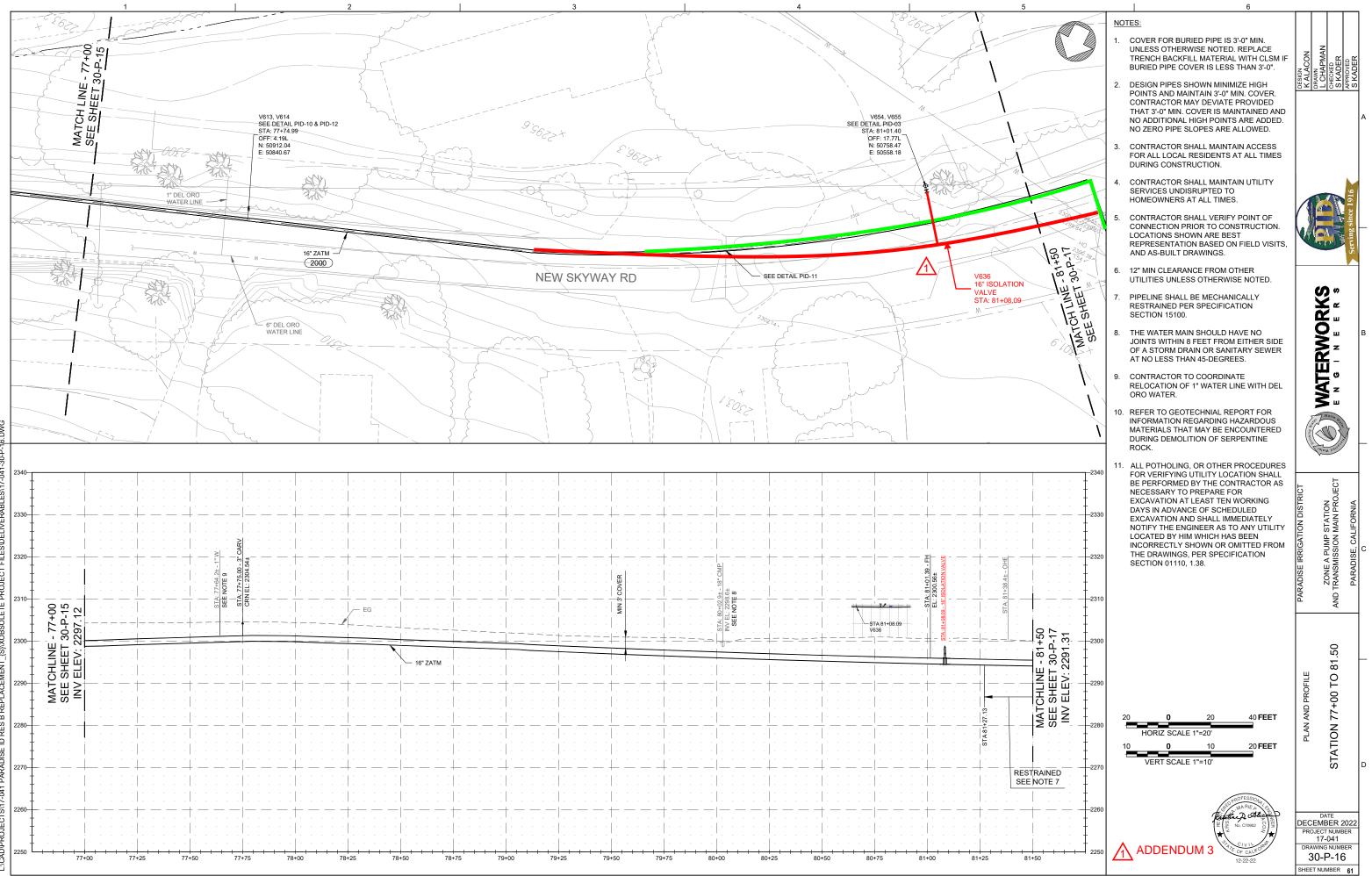




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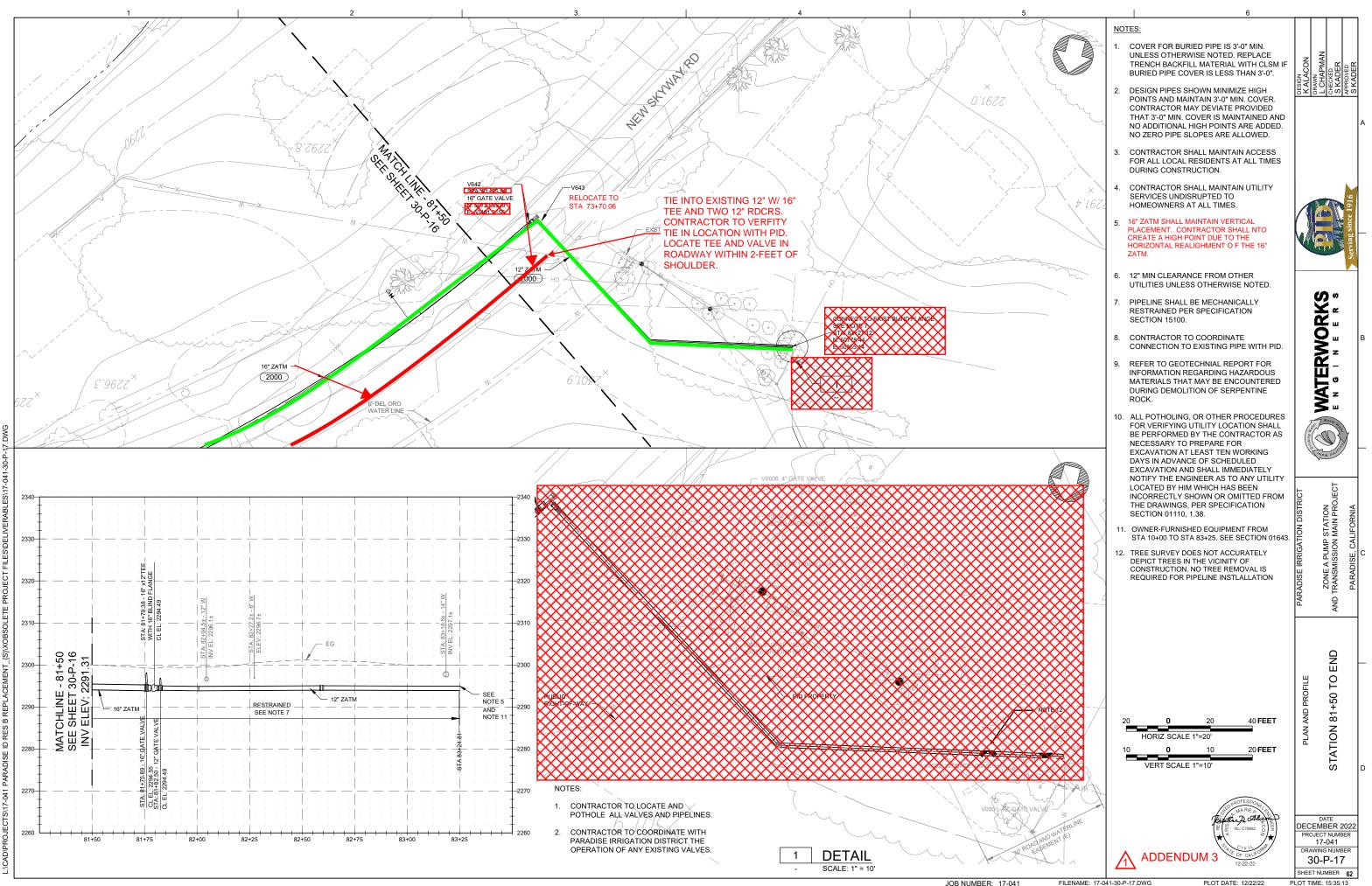
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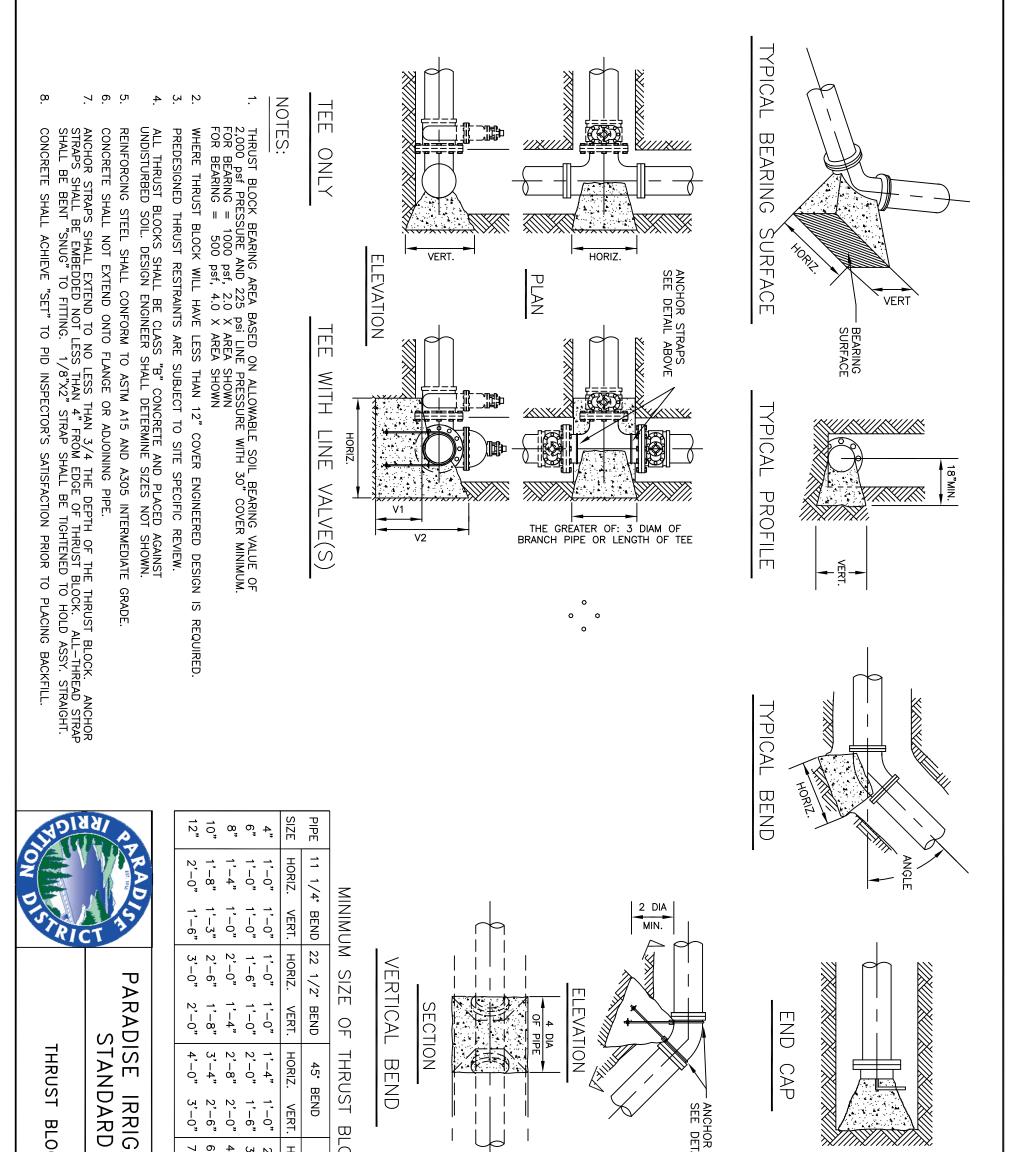


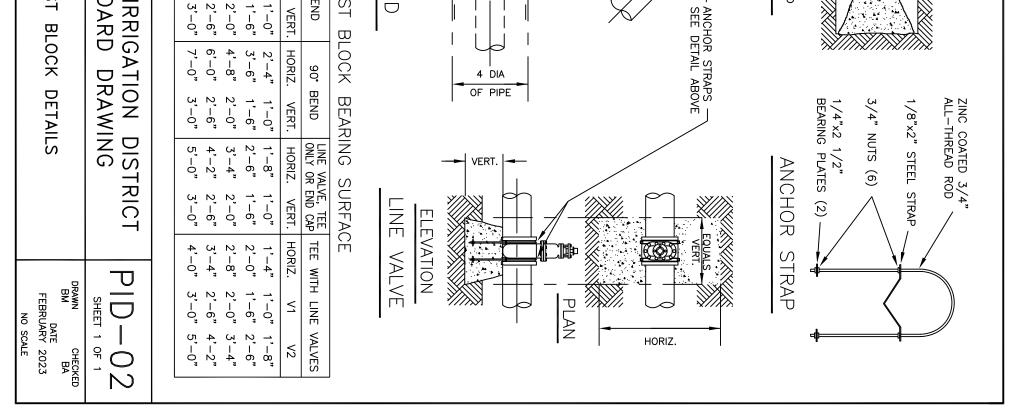


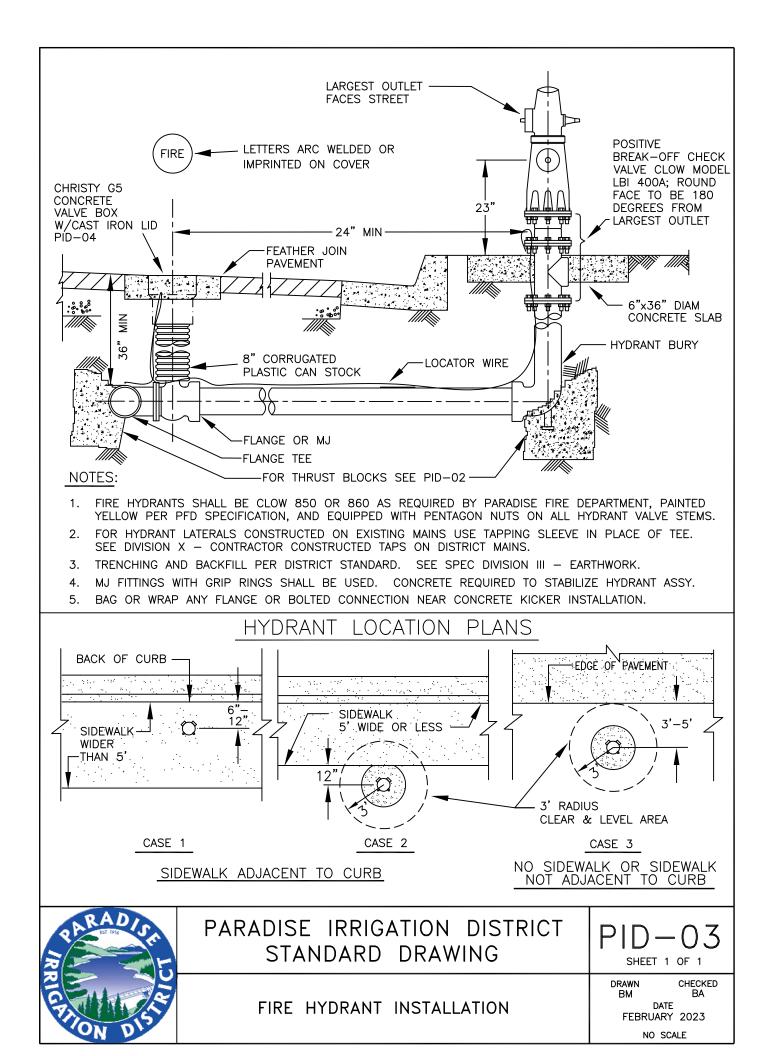
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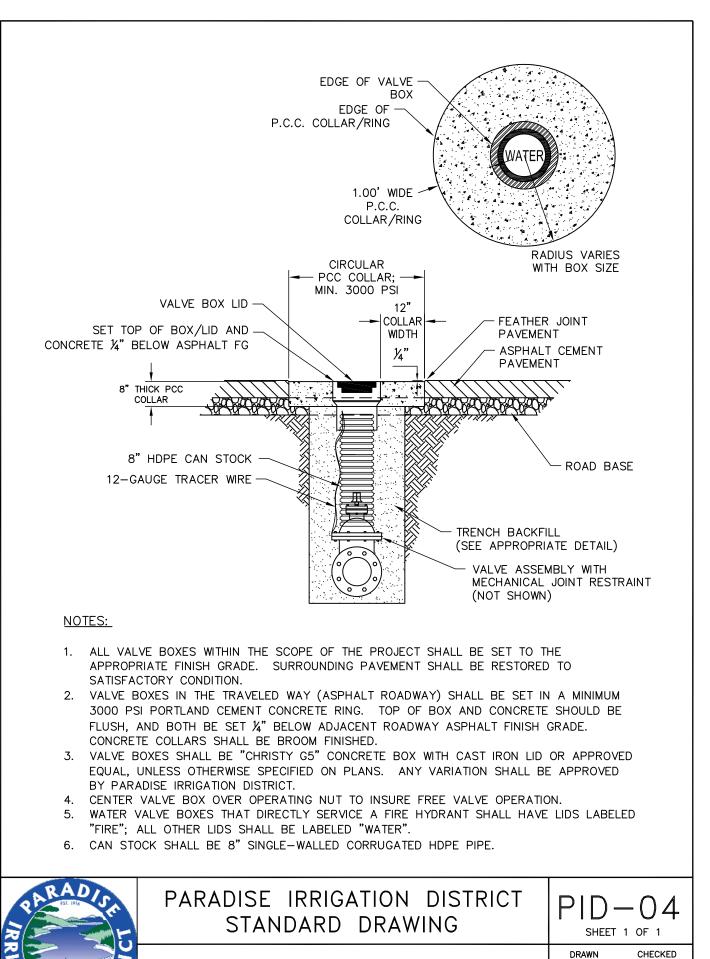
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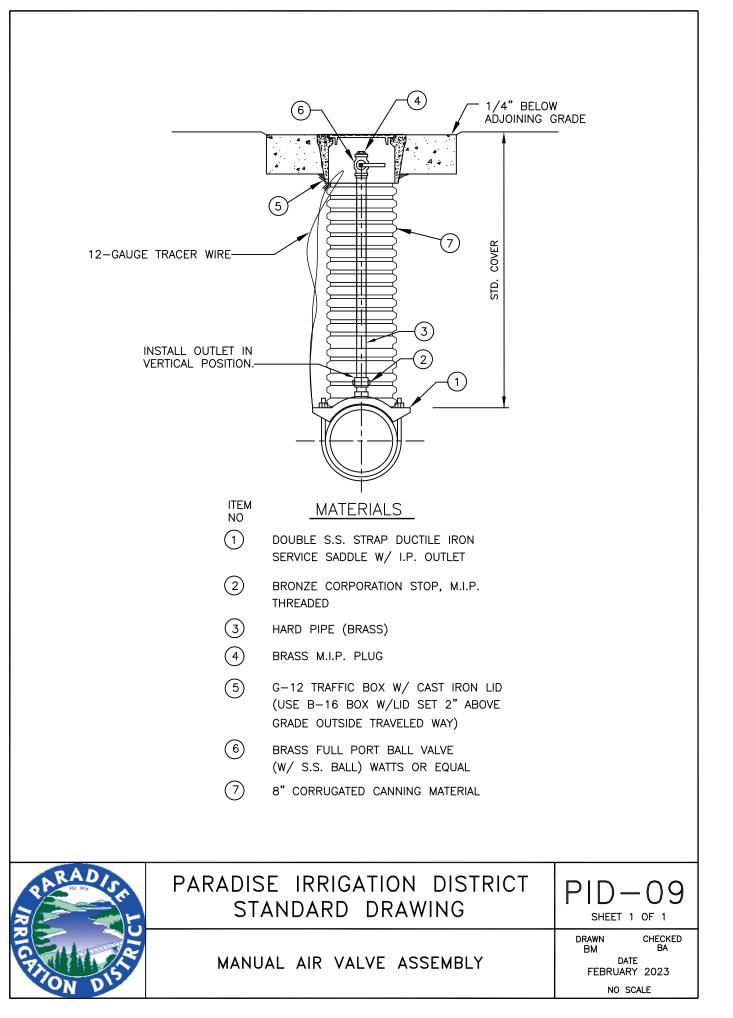


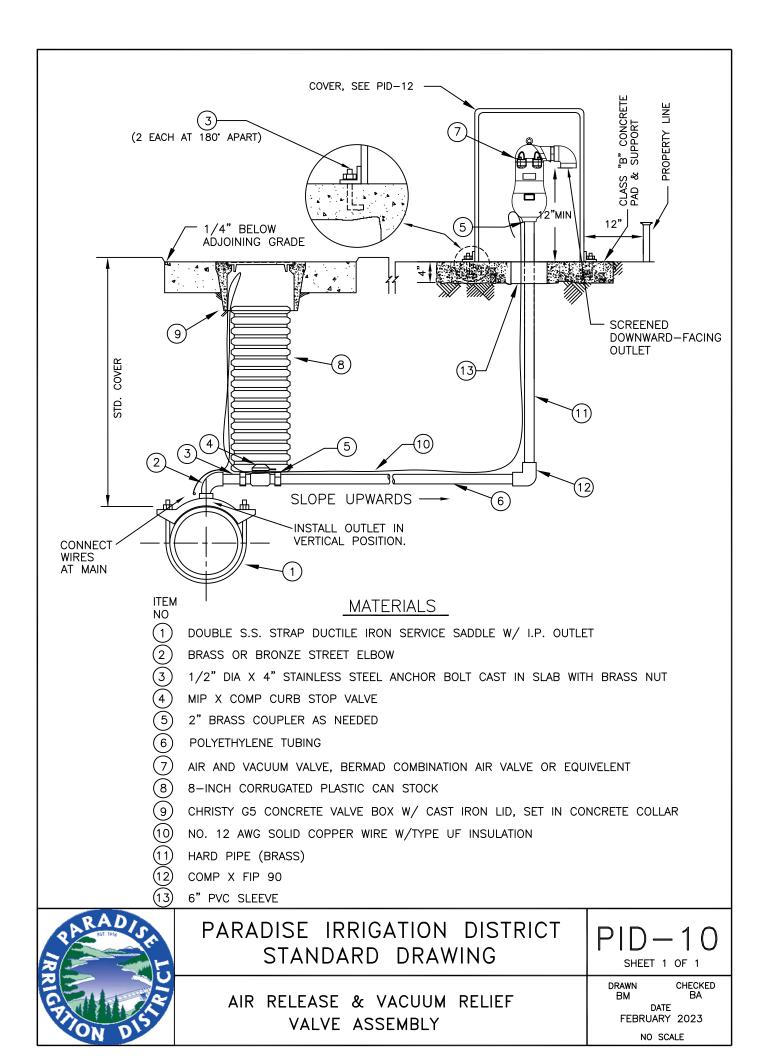




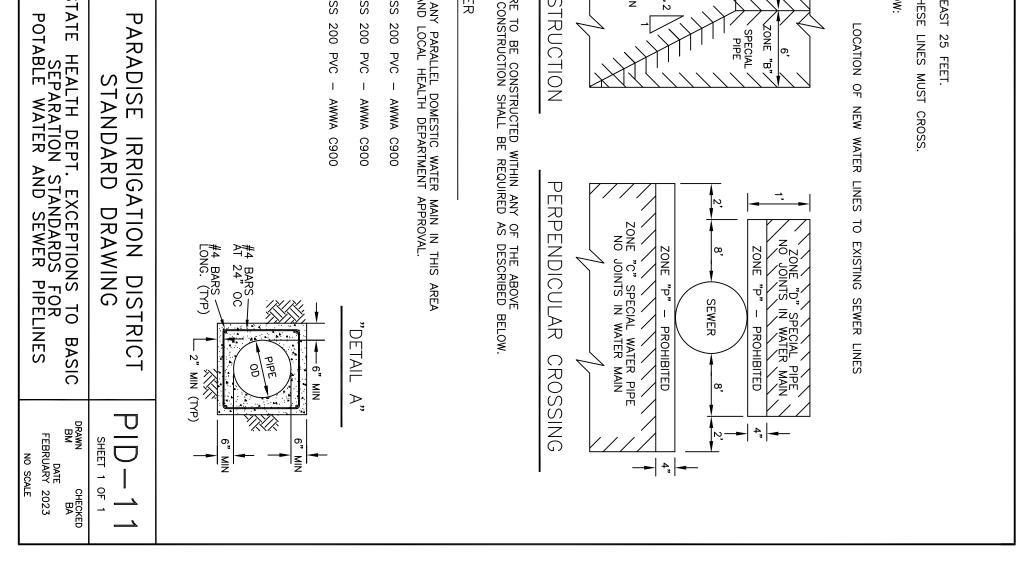
VALVE BOX DETAIL

RAWN CHECKED BM BA DATE FEBRUARY 2023 NO SCALE





 GENERAL NOTES NO PIPE JOINTS SHALL BE PERMITTED WITHIN ZONE D. IT IS THE INTENT OF THESE SPECIFICATIONS THAT NO JOINTS SHALL OCCUR WITHIN ZONE C. IF THAT CANNOT BE ACCOMPLISHED, THE NEW PIPELINE SHALL BE ENCASED IN CONCRETE FOR THE FULL LENGTH OF ZONE C. ENCASEMENT SHALL BE PER PID-111 "DETAIL A". ALL D.I.P. MUST HAVE HOT DIP BITUMINOUS COATING AND ALL CLASS 200 PVC MUST MEET DR-14 PER AWWA C900 OR EQUIVALENT. SEWER FORCE MAINS SHALL NOT BE PERMITTED IN ZONES A THROUGH D. WHERE CROSSINGS ARE NOT PERPENDICULAR, HORIZONTAL SPACING REQUIREMENTS SHALL BE MEASURED ALONG A LINE PERPENDICULAR TO THE WATER MAIN. THE CONSTRUCTION CRITERIA APPLY TO HOUSE LATERALS THAT CROSS BELOW A PRESSURE WATER MAIN BUT NOT TO THOSE HOUSE LATERALS THAT CROSS BELOW A PRESSURE WATER MAIN. WATER MAINS SHALL NOT BE CONSTRUCTED LESS THAN 25 FEET HORIZONTALLY FROM SEPTIC TANKS, SEPTIC LEACH FIELDS OR GROUNDWATER RECHARGE SITES. CASINGS OR TUNNELS FOR THE PASSAGE OF WATER AND SEWER LINES UNDER RAILROAD TRACKS, HIGHWAYS OR OTHER SYSTEM. 	PARALLEL CONSTRUCTION F ANY SEVER PIPELINES ARE TO BE CONSTRUCTED WITHIN ANY OF THE ABOVE INDICATED ZONES, SPECIAL CONSTRUCTION SHALL BE REQUIRED AS DESCRIBED BELOW. A DO NOT LOCATE ANY PARALLEL SEWER LINES IN THIS AREA WITHOUT STATE AND LOCAT HEALTH DEPARTMENT APPROVAL. B USE VCP OR DIP WITH COMPRESSION JOINTS C USE DIP WITH MECHANICAL JOINTS OR CLASS 200 PVC - AWWA CSOO	E BETWEEN PRESSURE POTABLE WATER MAINS AND SANIT, JRE WATER MAINS SHALL BE AT LEAST ONE FOOT ABOVE RITERIA WHERE THE BASIC SEPARATION STANDARDS CANNO TO EXISTING WATER LINES
PARADIS STATE HEAL STATE HEAL SEP/ POTABLE	ZONE "A" 2 SPECIAL PERMISSION PIPELINES ARE T ES, SPECIAL CON TABLE WATER NOT LOCATE AND DIP OR CLASS :	SANITARY SEWER LINES SHALL BE AT LEAST 25 FEET. ABOVE SANITARY SEWER LINES WHERE THESE LINES MUS CANNOT BE ATTAINED ARE SHOWN BELOW: SITUATION: LOCATION OF C E E E C C C C C C C C C C C C C C C C



TRUCTION

