Water Resources Integration Program (WRIP)
Phase 2 Pump Station Improvements

Vicente J. Garza, P.E., PMP
Engineering Manager, SAWS

Stella Manzello
Contract Administrator, SAWS

Marisol V. Robles
SMWVB Program Manager, SAWS

Jaime Kypuros, P.E.,
Sr. Project Manager, Tetra Tech, Inc.

Robert Jenkins, P.E., PMP
Project Manager, Freese and Nichols, Inc.

San Antonio Water System

Non-Mandatory Pre-Proposal Meeting

June 25, 2020

MAKING SAN ANTONIO WATERFUL

Oral Statements

Oral statements or discussion during the pre-bid meeting will not be binding, nor will it change or affect the terms or conditions within the Plans and Specifications for this Project. Changes, if any, will be addressed only via an Addendum.

Meeting Agenda

- Pre-Proposal Meeting
- Contract Requirements
- SMWB
- Evaluation Criteria
- Proposal Packet Preparation
- Additional Reminders
- Communication
- Key Dates
- Contract Reminders
- Project Overview
- Special Conditions

Non-Mandatory Pre-Proposal Meeting

- Key project information:
  - Construction duration is 660 calendar days
  - Construction estimate $39,214,946.00
  - Procured under Chapter 2269 of Texas Government Code as a Request for Competitive Sealed Proposals (RFCSP)

Contract Requirements

- Prevailing Wage Rate and Labor Standards – Section 2.10 of the General Conditions
  - Certified payroll to be submitted on weekly basis
  - Wage decisions are included within the specifications
  - Contractors to utilize LCP Tracker
  - Site visits are random and unannounced
  - Interviews will be conducted and will be private & confidential
  - Payroll records are subject to review
  - All apprenticeship programs will need to be approved by Department of Labor prior to starting
  - Contractors are responsible for sub-contractor payroll
  - Late payrolls delay contractor payments from SAWS

Contract Requirements *(cont.)*

- Insurance requirements are found in Section 5.7 of the GCs
  - Include General Liability for Construction, Pollution Liability, Excess Liability and Installation Floater (in lieu of Builder's Risk).
  - Selected contractor must be compliant with all other contracts in order for SAWS to award the contract.
  - SAWS will request insurance certificate prior to Board award to ensure insurance compliance and expedite execution of the contract.
  - Insurance must be compliant prior to executing the contract.

Aspirational SMWB Goal

Industry	SMWB Goal
Construction	20%

Accepted SMWVB Certification Agency

- **South Central Texas Regional Certification Agency**

  (Includes the Texas Historically Underutilized Business "HUB" Program. MBEs, WBEs, SBEs, HUBs.)

<u>Minimum Qualifications for SMWVB recognition:</u>

- SBE-Certified (even MBEs and WBEs)
- **Local office or local equipment yard**

Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**
  A: No, but we ask prime consultants to do their best with good faith outreach efforts. If the goal is not met, proof of outreach efforts is required with the submittal.

- **Q: What if I am having trouble finding SMWB subconsultants?**
  A: Please email the SMWVB Program Manager with the scopes of work you are seeking. You will receive lists of local SMWVB-certified firms to contact.

- **Q: What if my business is SMWB-certified? Do I need to find SMWB subs?**
  A: If your firm is SMWVB-certified, you will most likely meet the goal. However, the GFEP is a required document, and a good faith outreach effort is still necessary.

- **Q: What if I have questions about the GFEP?**
  A: Please contact the SMWVB Program Specialist at 210-233-3420, or at Marisol.Robles@saws.org. GFEP questions can be asked at any time before the submittal is due.

Scoring - SIR-11 (Maximum 10 SMWB Points)

A. M/WBE Scoring Method: Up to 10 Points (By percentage). **20.00% M/WBE Goal:**
• MBE Participation Percentage between 1% and 4.99%: 1 Point
• MBE Participation Percentage between 5% and 9.99%: 2 Points
• MBE Participation Percentage between 10% and 14.99%: 4 Points
• MBE Participation Percentage between 15% and 16.99%: 5 Points
• MBE Participation Percentage between 17% and 19.99%: 8 Points
• MBE Participation Percentage meeting or exceeding 20.00%: 10 Points
B. SBE (Non-M/WBE) Scoring Method (for participation of firms whose sole certification is "SBE"): Up to 5 Points (By percentage). **5% SBE Participation:**
• SBE Participation Percentage between 1% and 1.99%: 1 Point
• SBE Participation Percentage between 2% and 2.99%: 2 Points
• SBE Participation Percentage between 3% and 3.99%: 3 Points
• SBE Participation Percentage between 4% and 4.99%: 4 Points
• SBE Participation Percentage meeting or exceeding 5.00%: 5 Points

Scoring - SIR-11 (Maximum 10 SMWB Points)

C. **Optional:** Prior subcontractors/supplier utilization compliance averages for the past 2 years may be considered when totaling the SMWB score, based upon data from the Subcontractor Payment & Utilization Reporting (SPUR) System. This applies to SMWB and Non-SMWB Prime Contractors' utilization of their SMWB subcontractors/suppliers. Up to 3 points may be deducted from the SMWB score for discrepancies between the pledged SMWB goal, and the current/ongoing actual utilization of SMWB subcontractors/suppliers on recent SAWS projects. This option does not apply to work order/unspecified contracts.
• Total SMWB Subconsultant compliance discrepancy between 3% - 4%: Deduct 1 Point
• Total SMWB Subconsultant compliance discrepancy between 4% - 5%: Deduct 2 Points
• Total SMWB Subconsultant compliance discrepancy greater than 5%: Deduct 3 Points

Post Award: Subcontractor Payment & Utilization Reporting (S.P.U.R.) System & Subcontractor Changes

https://saws.smwbe.com

Evaluation Criteria

Criteria	Weight
Team Qualifications and Experience	20 pts
Quality, Reputation, and Ability to Deliver Projects on Schedule and within Budget	25 pts
Project Approach, Schedule, and Availability	15 pts
Price	30 pts
Small, Minority, and Woman-Owned Business (SWMB) Participation	10 pts
TOTAL	**100 pts**

Proposal Packet Preparation

- Review Instructions to Respondents and Supplementary Instructions to Respondents
- Utilize the Proposal Response Checklist
  - Original proposal (1) and USB flash drive, along with required information differs from copies (7)
  - Include Financial Statement
- Thoroughly review scope and ensure project examples and key personnel resumes clearly show similar experience
- Thoroughly review evaluation criteria and respond with all required information to maximize points
  - Using the Evaluation Criteria form
- Avoid "boilerplate" responses

Proposal Packet Preparation *(cont.)*

- Verify contact information for all project references, if SAWS is not able to contact reference, points may be deducted or proposal deemed non-responsive
- Ensure required documents are submitted and signed, (i.e. Respondent Questionnaire, CIQ, etc.)

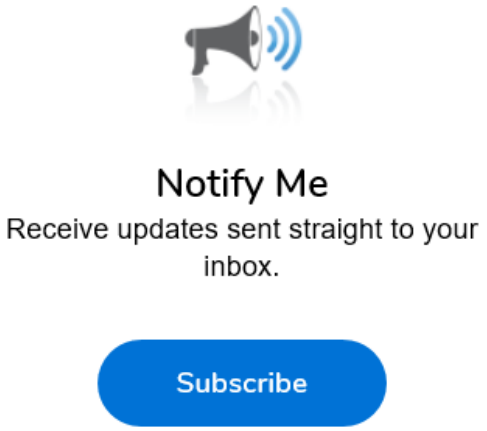
Baseline schedule

- Entire proposal should create a clear picture of Project Team experience and capabilities (Org chart, projects, and resumes for Key Personnel and Key Subcontractors)
- Price Proposal
  - Acknowledge Addendums on Proposal Signature Page
  - Verify extensions and mob and prep of ROW percentages

Additional Reminders

- Register with Vendor Registration Program on the SAWS website at www.saws.org to ensure access to the latest information.

- To receive updates on specific projects, registered vendors should subscribe to the project by selecting the project, and clicking 'Subscribe' under the Notify Me box.



Communication Reminders

- There should not be any communication with the following during the Proposal period:
  - ✓ Design Engineer (Tetra Tech/Freese and Nichols)
  - ✓ SAWS Project Manager or Project Engineer
  - ✓ Any other SAWS staff
  - ✓ City Council member or staff
  - ✓ SAWS Board of Trustees

- This includes phone calls, emails, letters, or any direct or indirect discussion of the Proposal.

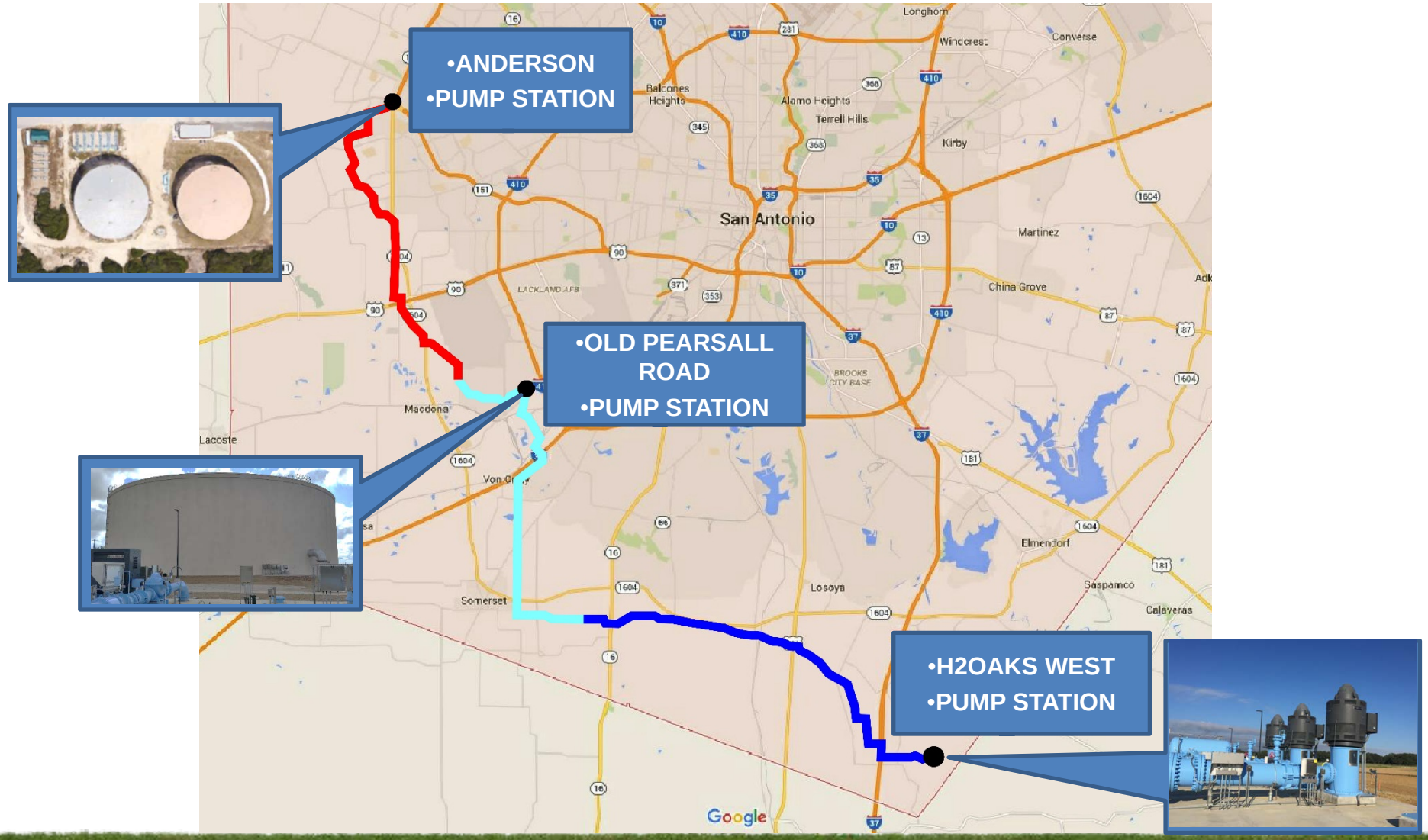
Key Dates

- June 30, 2020 by 4:00 PM — Questions Due
- July 2, 2020 by 10:00 AM — Addendum Posted to SAWS Website
- July 10, 2020 by 10:00 AM — Sealed Proposals Due
- August 2020 — Sealed Proposals Evaluation
- August 2020 — Selected Respondent Notified
- October 6, 2020 — SAWS Board Approval and Award
- Week of October 26, 2020 — NTP Issued

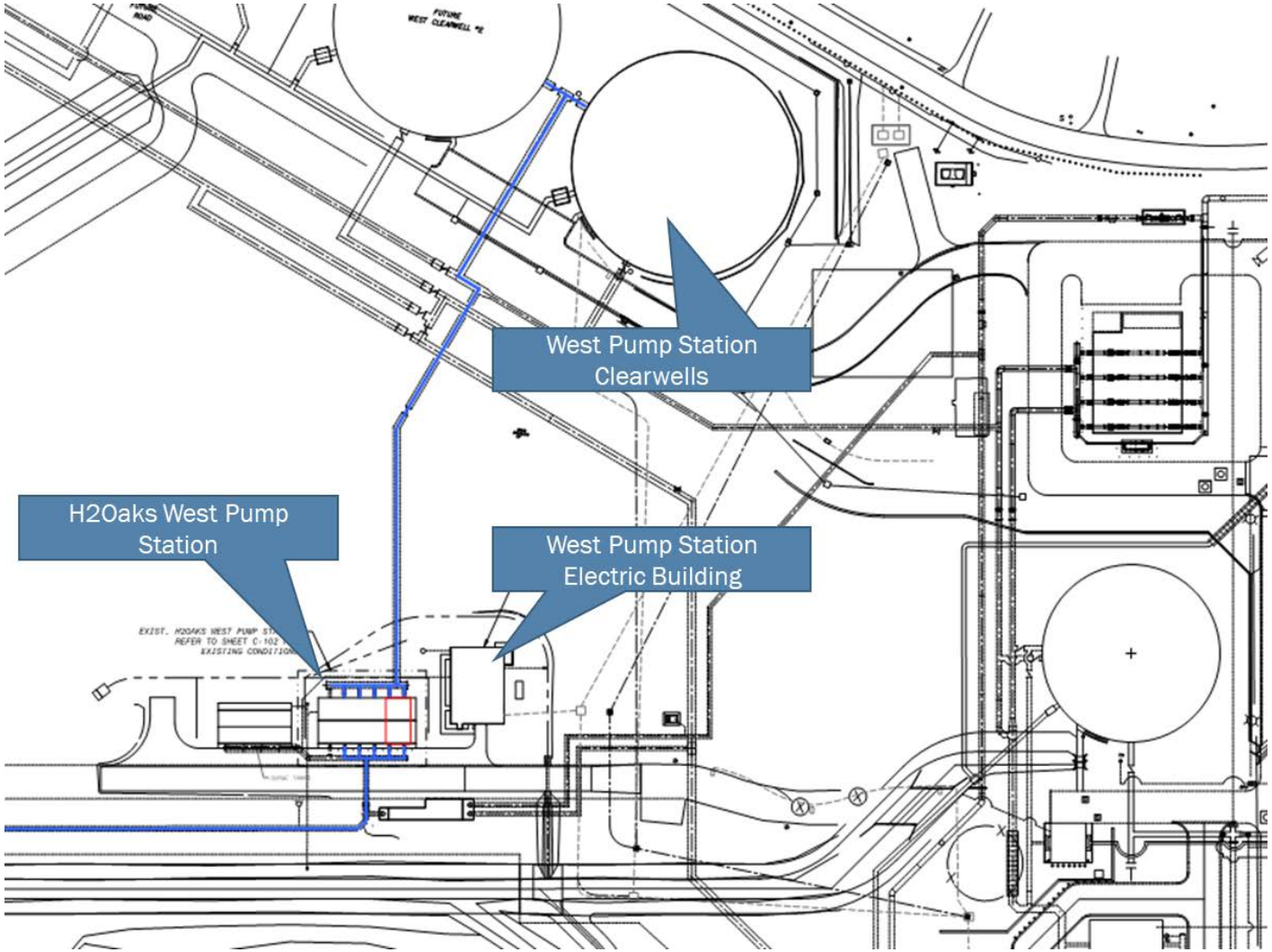
Key Dates - Submission Due Date

- Sealed Proposals are due no later than
  10:00 AM CT Friday, July 10, 2020
- Follow specific delivery instructions:
  - Deliver to 2800 U.S. Highway 281 North, Customer Service Building, Counter Services
  - Make arrangements if mailing a sealed proposal
  - Late responses will not be accepted and will be returned unopened
  - Due to the COVID-19, SAWS may need to accept proposal electronically

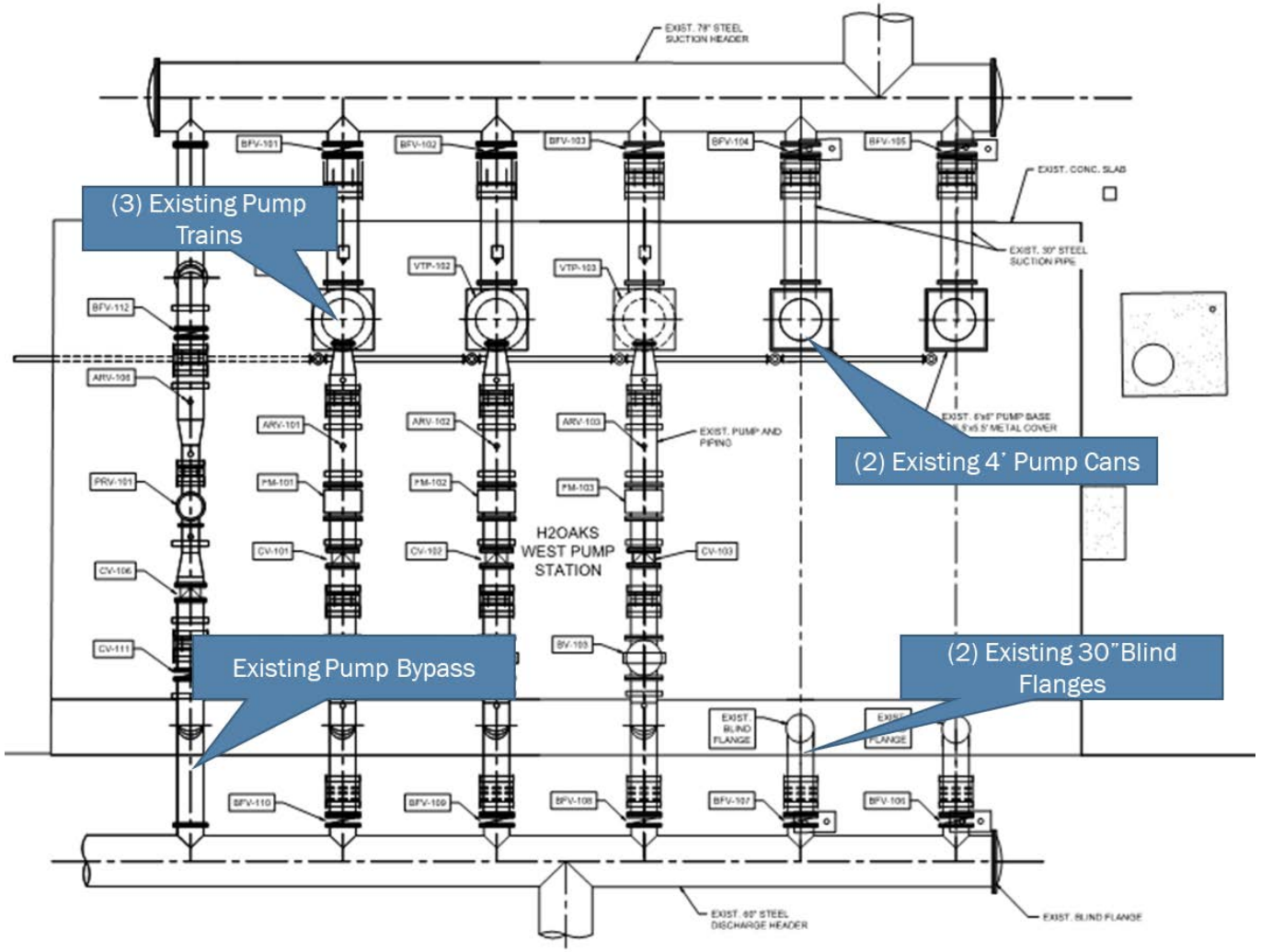
Project Overview - Map



H2Oaks West Pump Station - Overall Site Plan

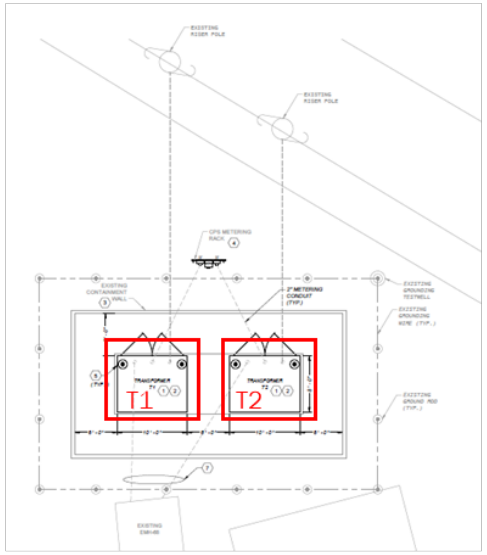


H2Oaks West Pump Station – Existing Conditions

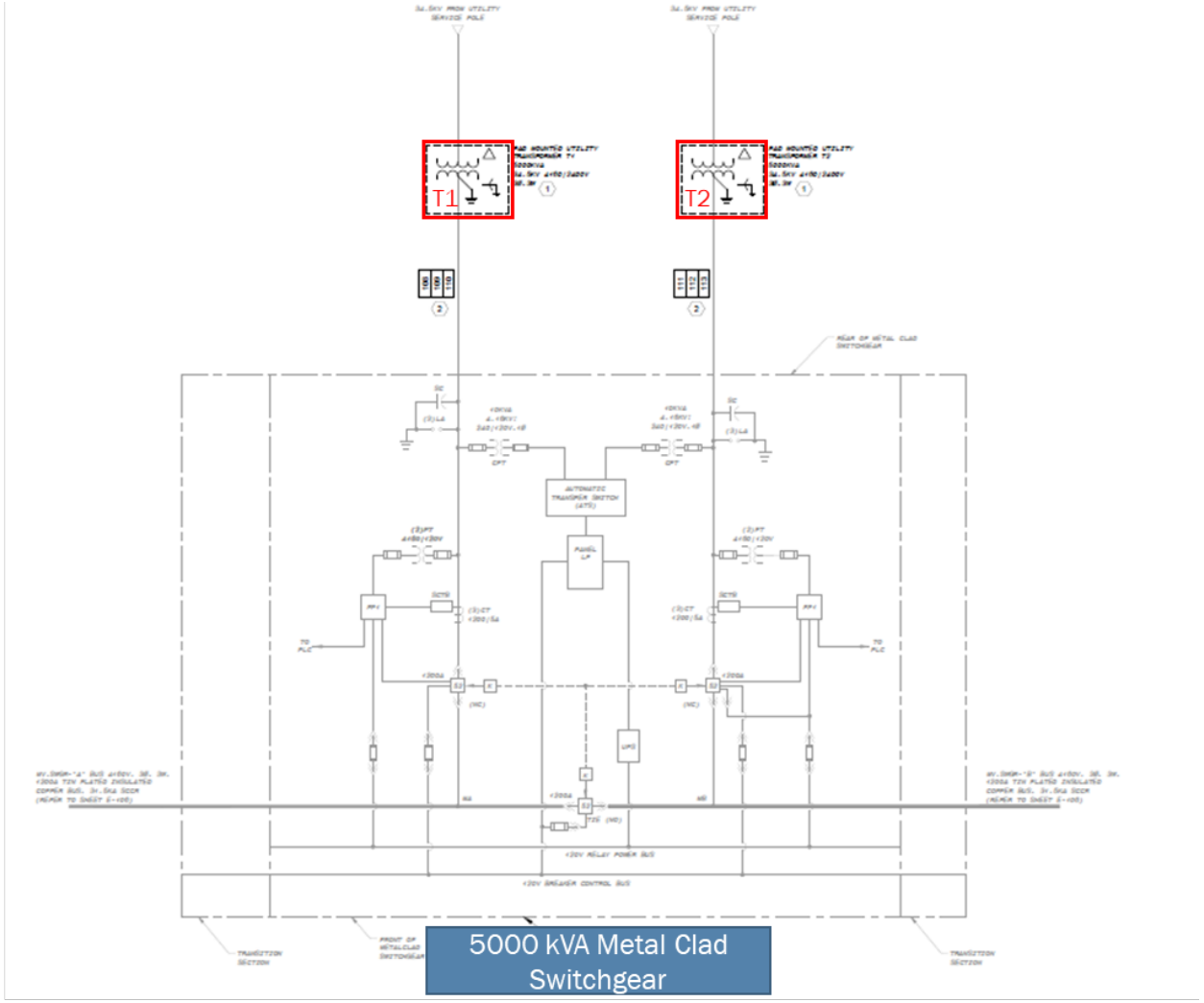


H2Oaks West Pump Station – Electrical Improvements

Replace existing 3750 kVA XFMR with new 5000 kVA XFMR

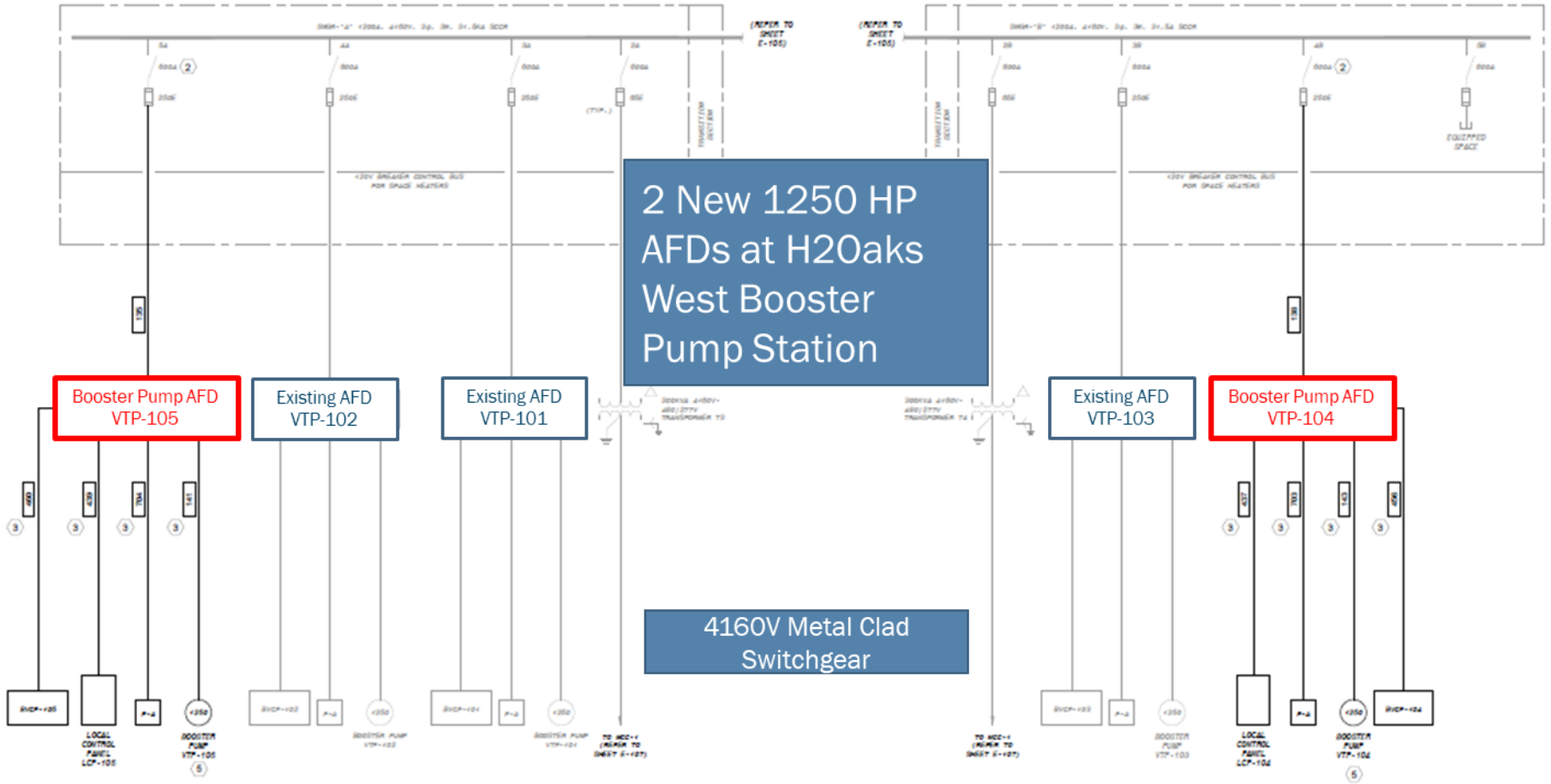


Transformer Pad

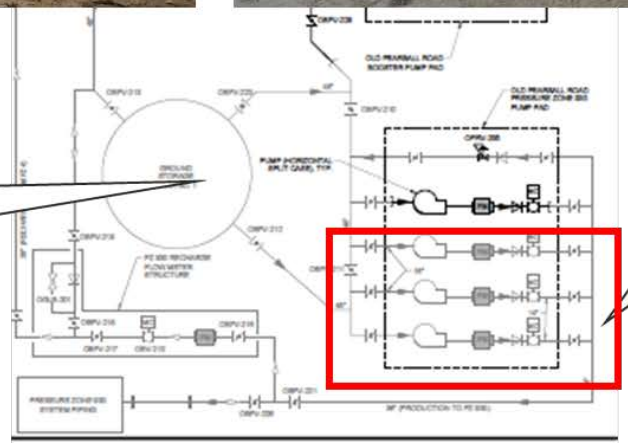


5000 kVA Metal Clad Switchgear

H2Oaks West Pump Station – Electrical Improvements



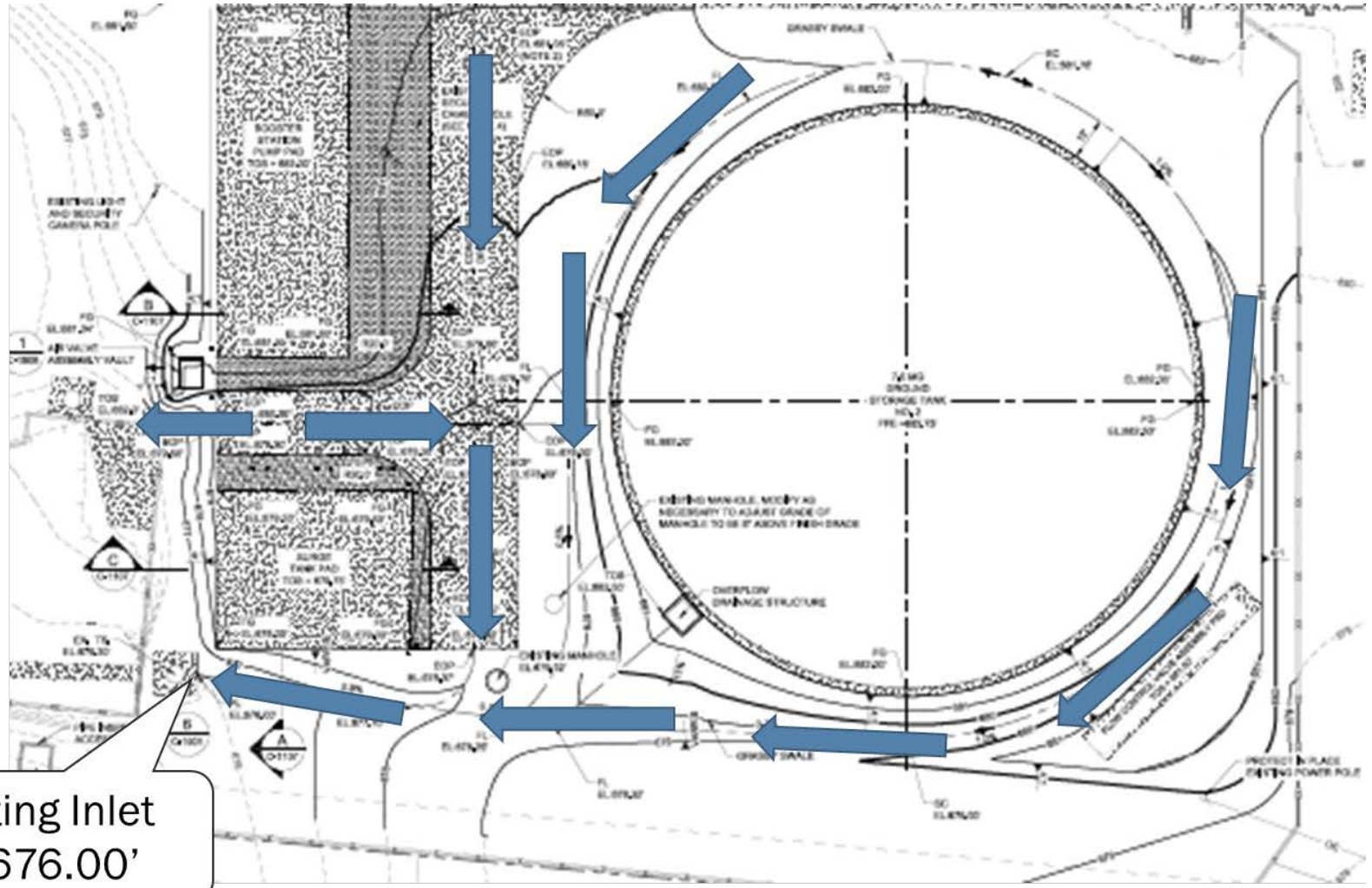
Old Pearsall Rd. Pump Station – Existing Conditions



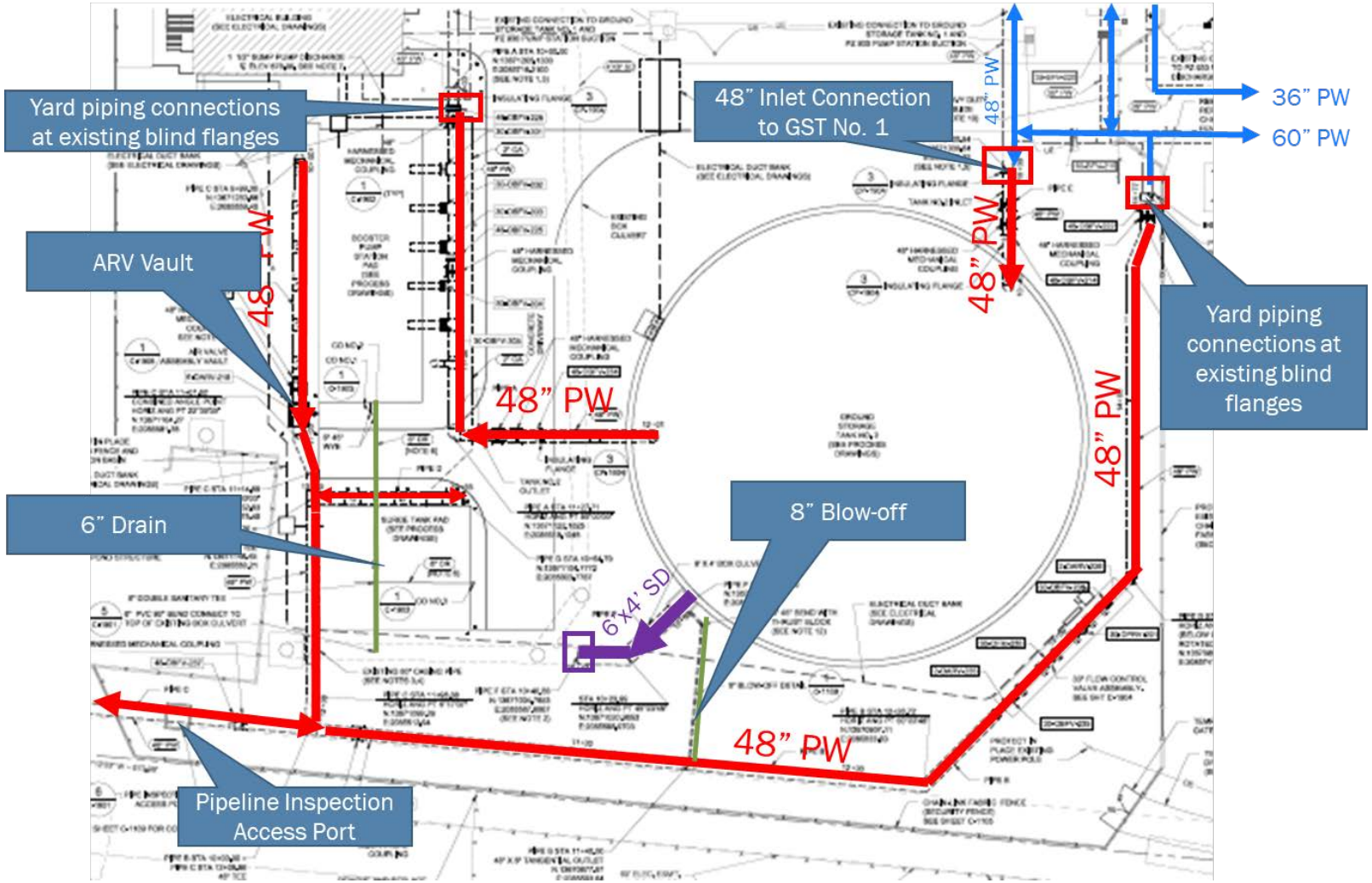
Existing GST

Existing Horizontal Split Case Pumps

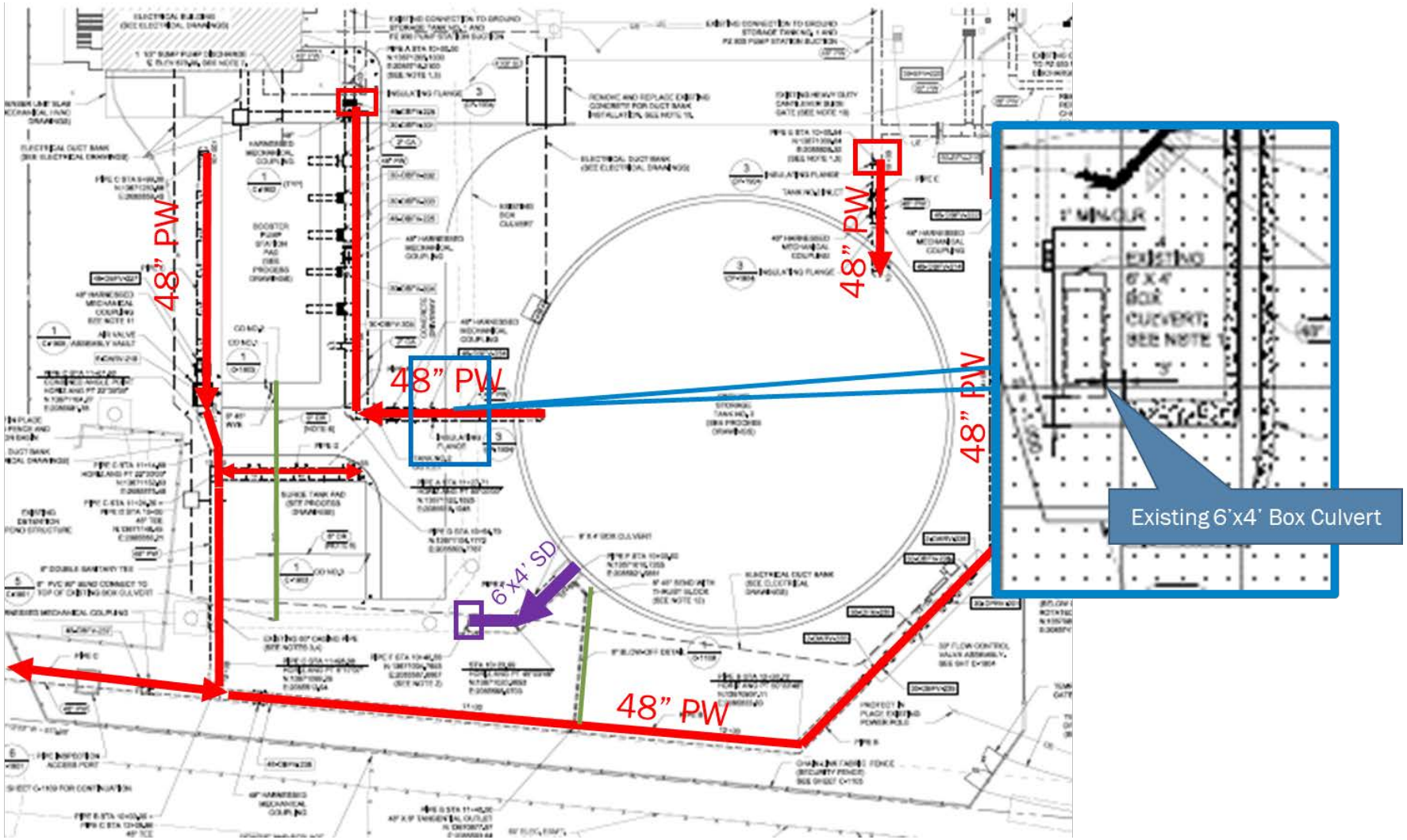
Old Pearsall Rd. Pump Station – Site Drainage/Grading



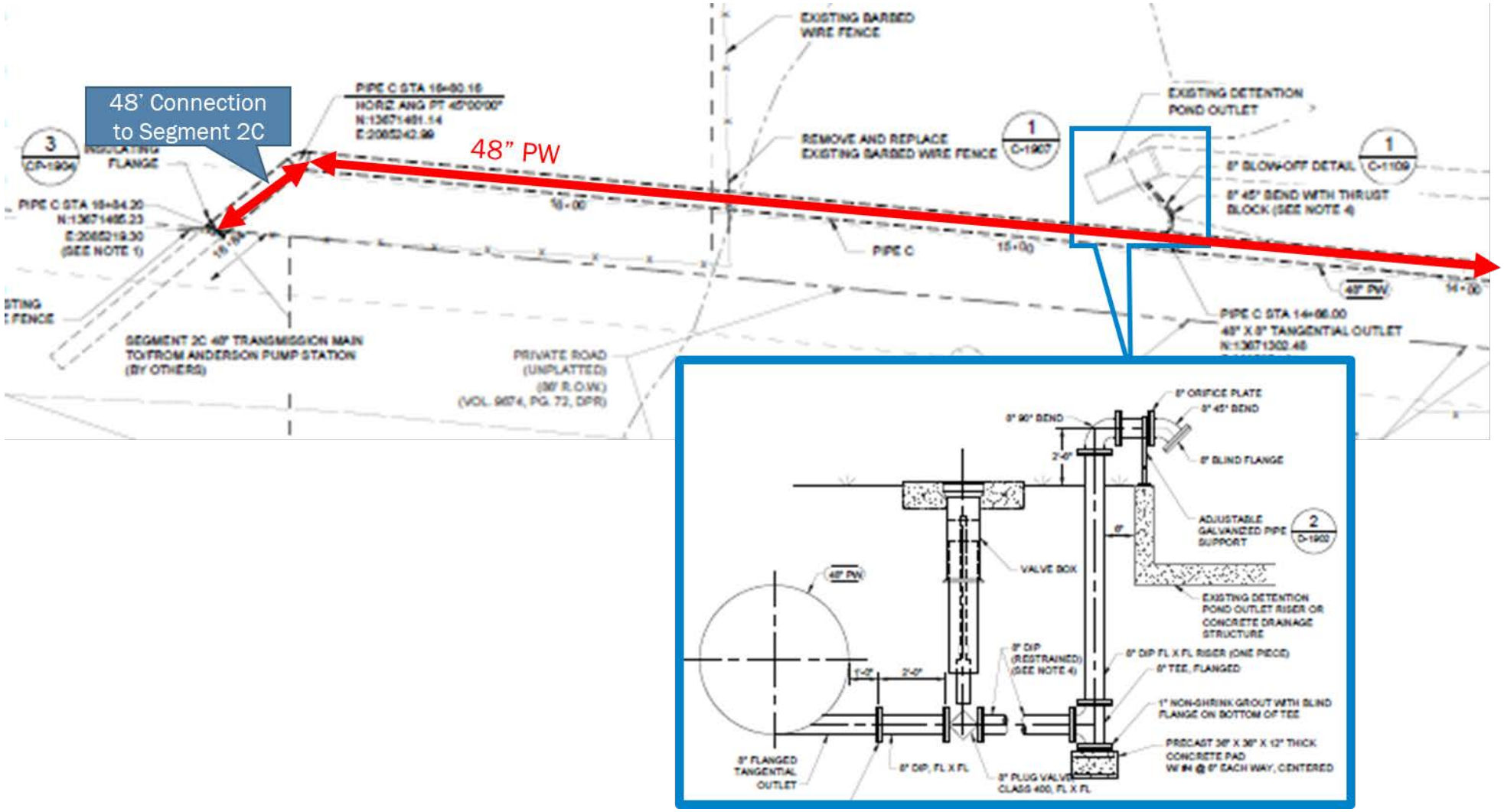
Old Pearsall Rd. Pump Station – Yard Piping



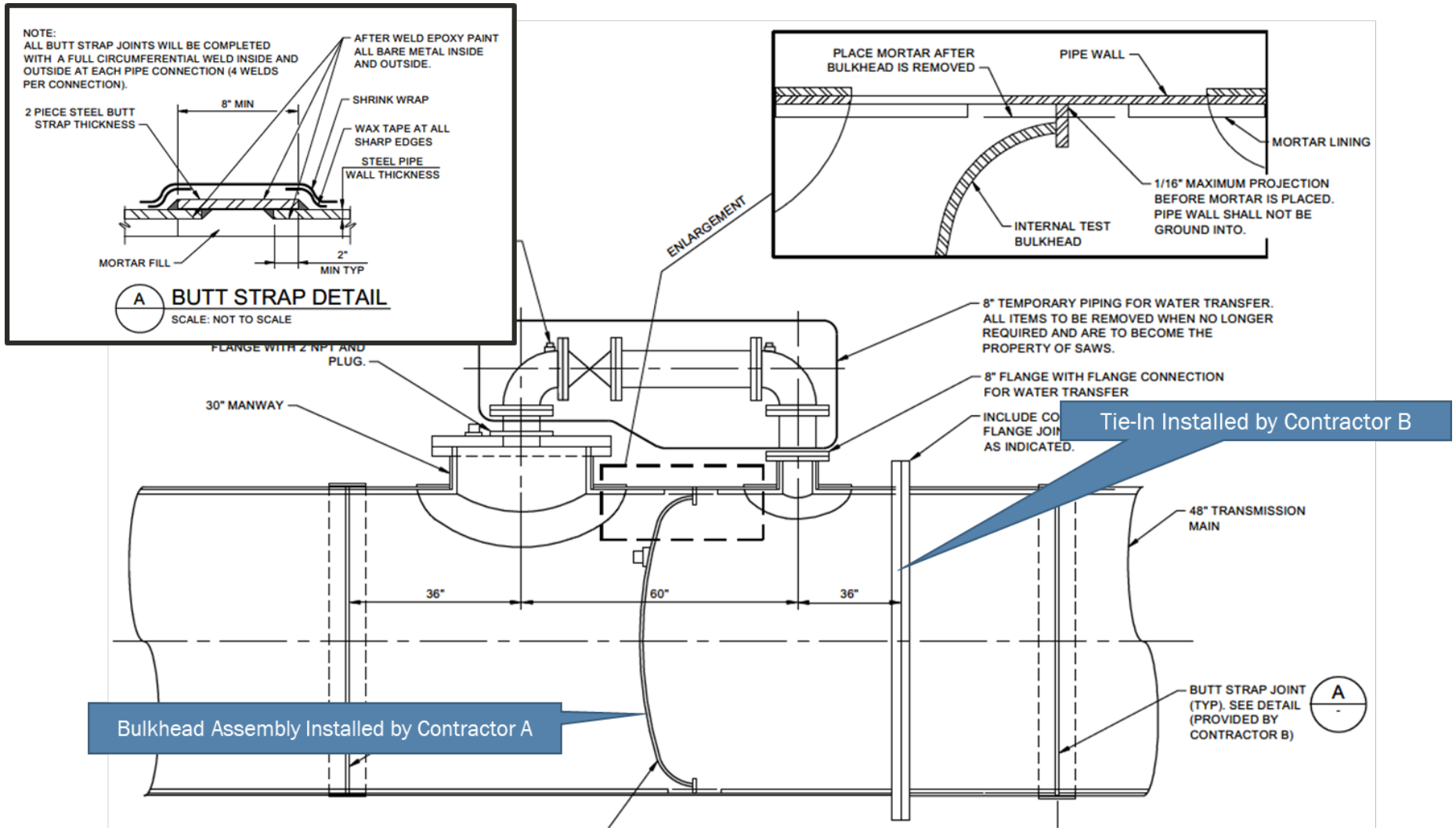
Old Pearsall Rd. Pump Station – Yard Piping



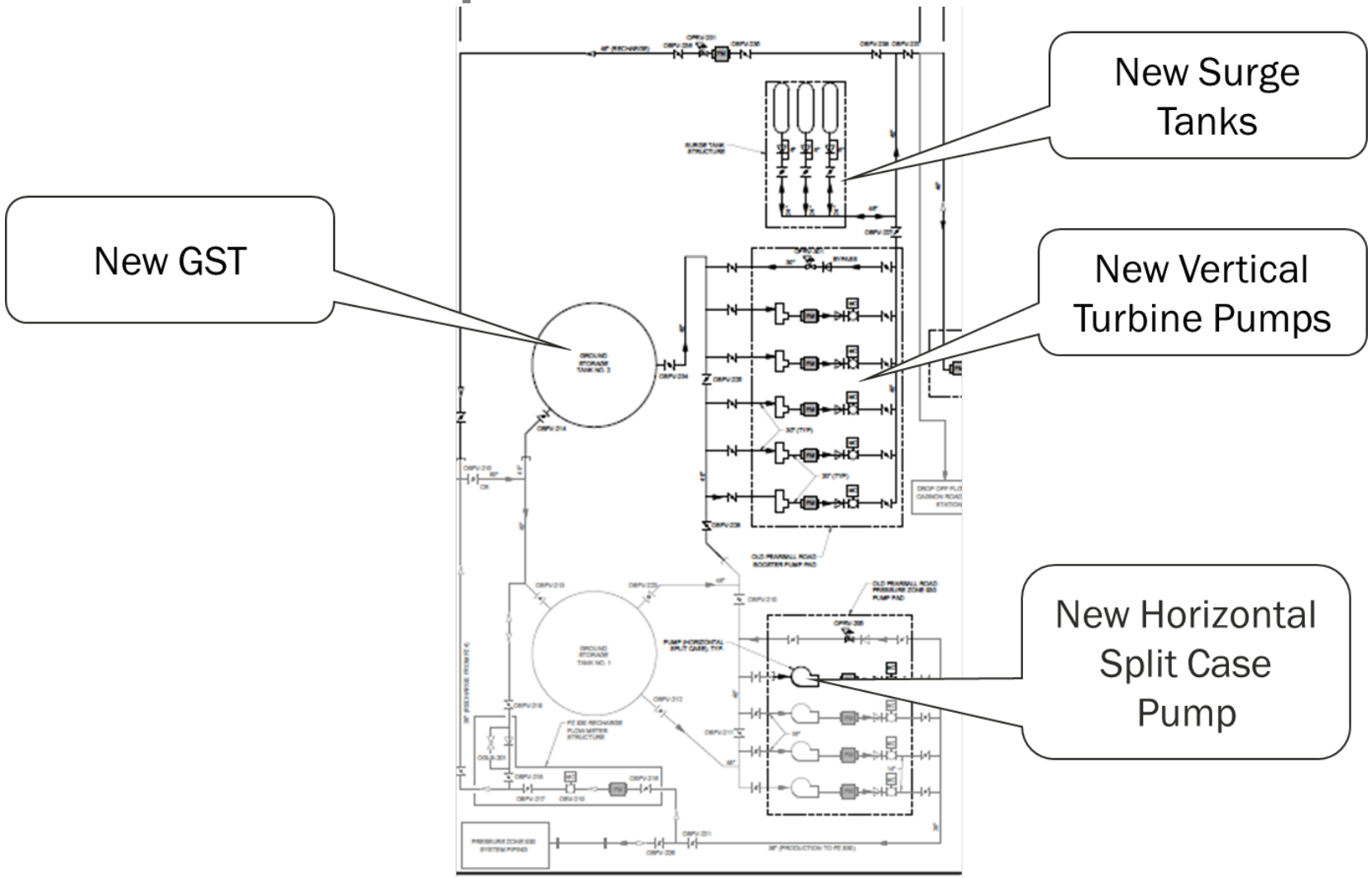
Old Pearsall Rd. Pump Station – Yard Piping



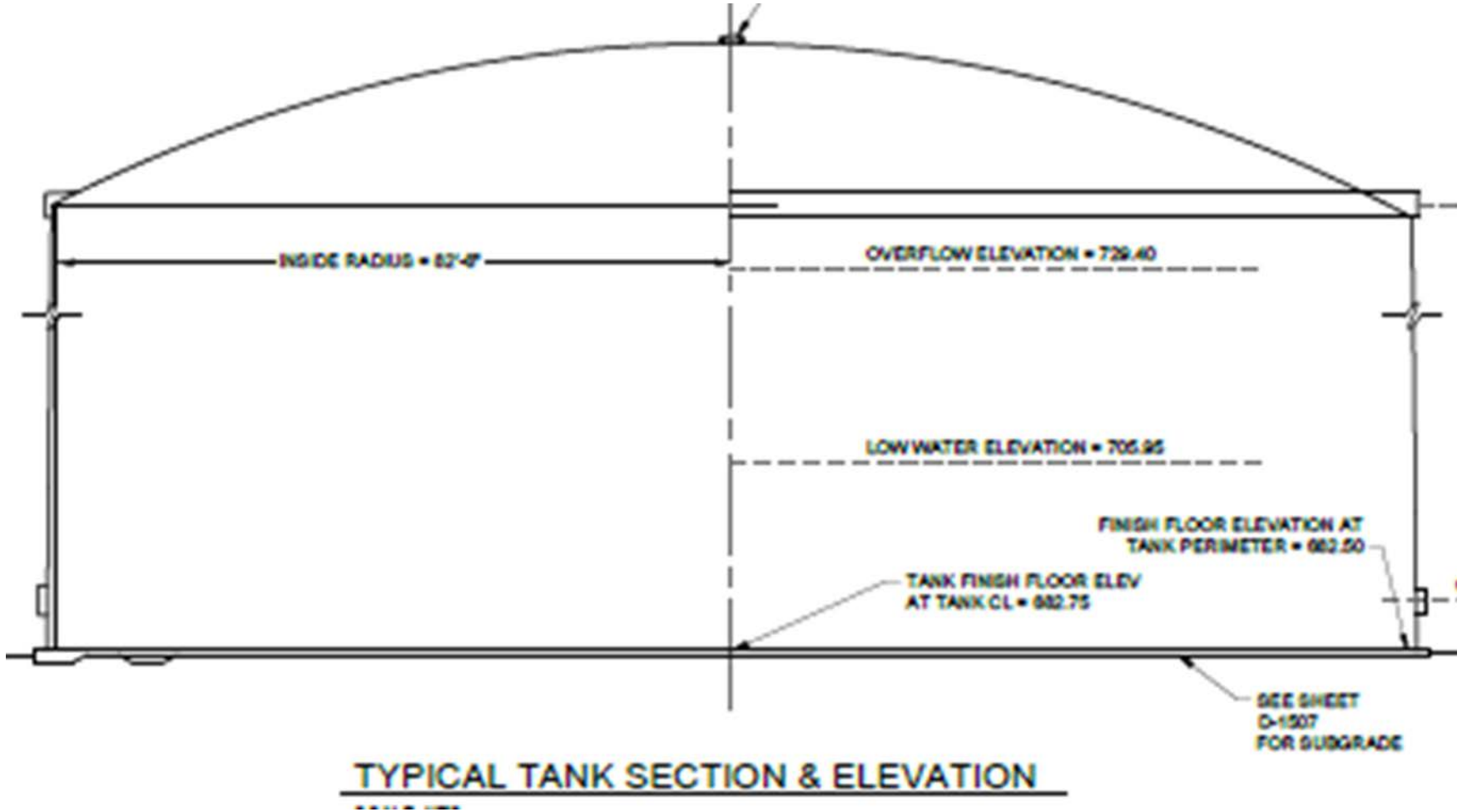
Old Pearsall Rd. Pump Station – Bulkhead Assembly



Old Pearsall Rd. Pump Station – Process Flow Diagram



Old Pearsall Rd. Pump Station – New GST Tank

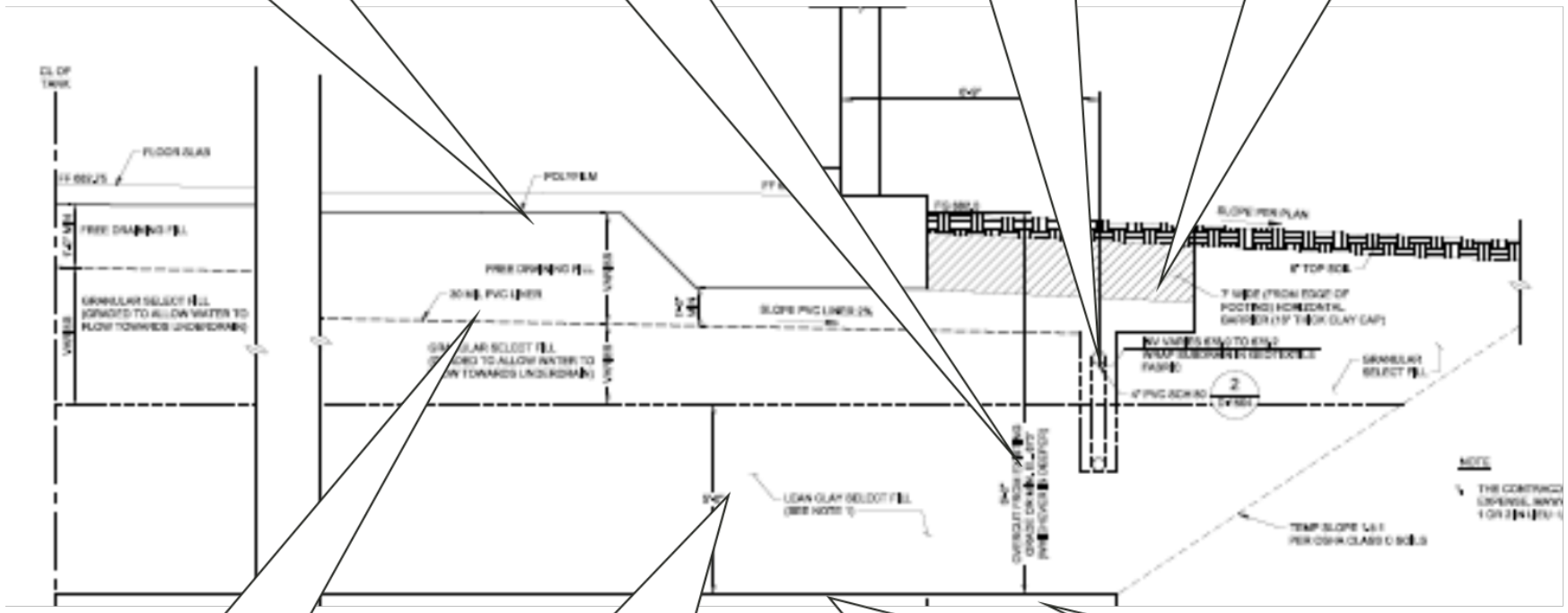


TYPICAL TANK SECTION & ELEVATION

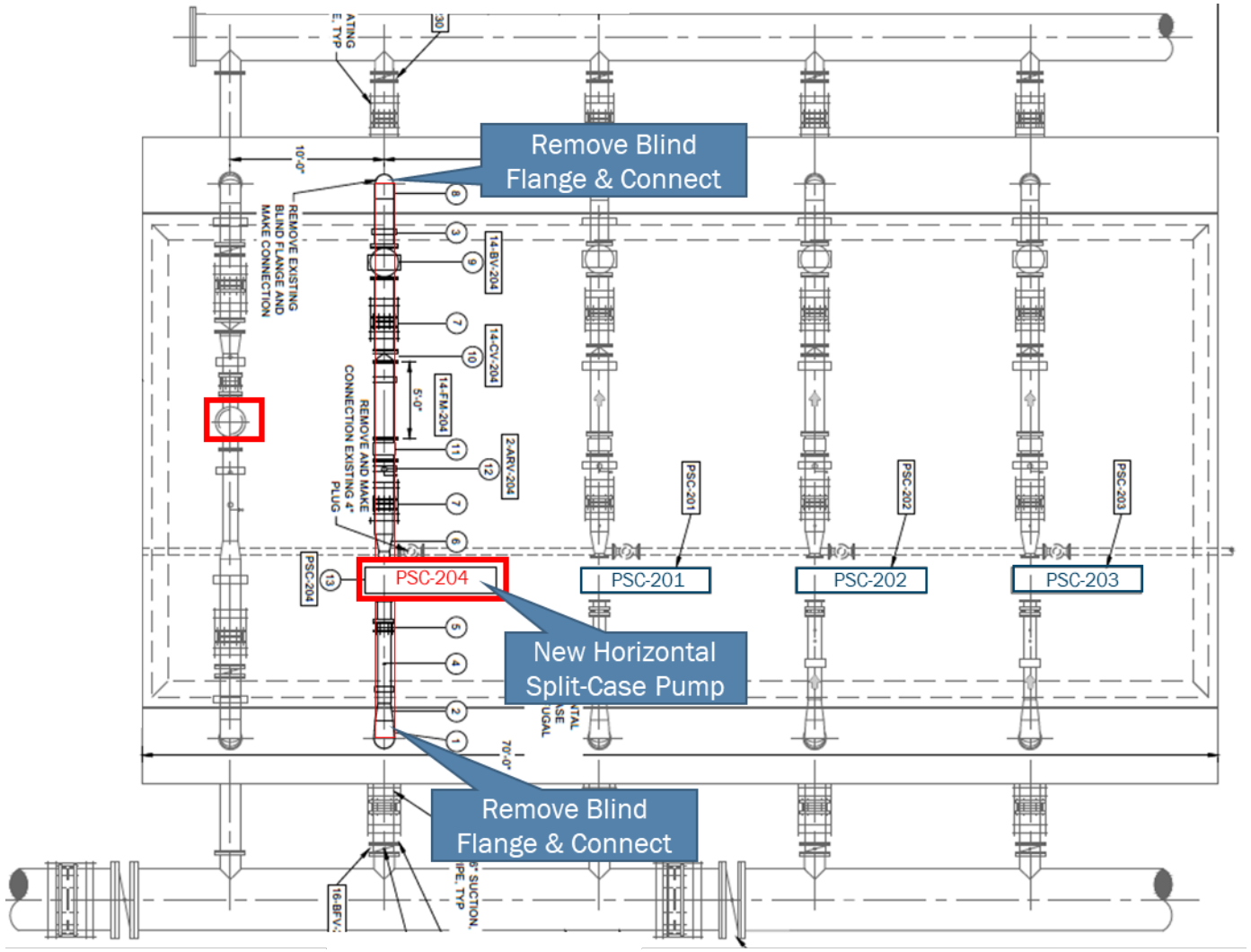
Old Pearsall Rd. Pump Station – New GST Tank

- Hydraulically match design of existing GST
  - Inside Tank Radius = 82.5 ft
  - Finished floor elevation = 682. 50 ft
  - Max water level/overflow elevation = 729.40 ft
- Install SAWS standard tank appurtenances including:
  - Two 36-inch manways
  - Three dome access hatches
    - 36-inch x 42-inch
    - 36-inch x 42-inch
    - 60-inch x 60-inch

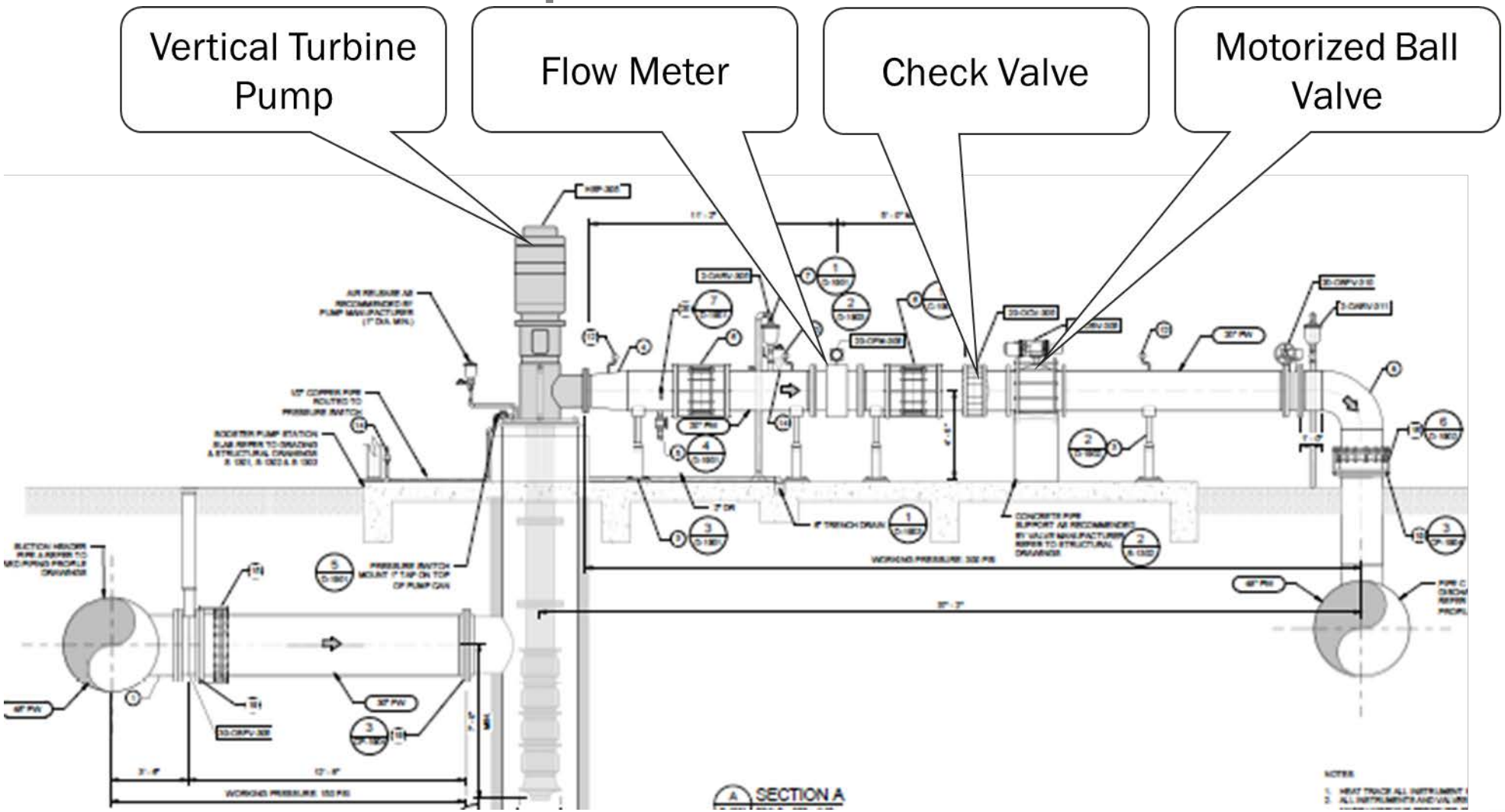
Old Pearsall Rd. Pump Station – New GST Tank



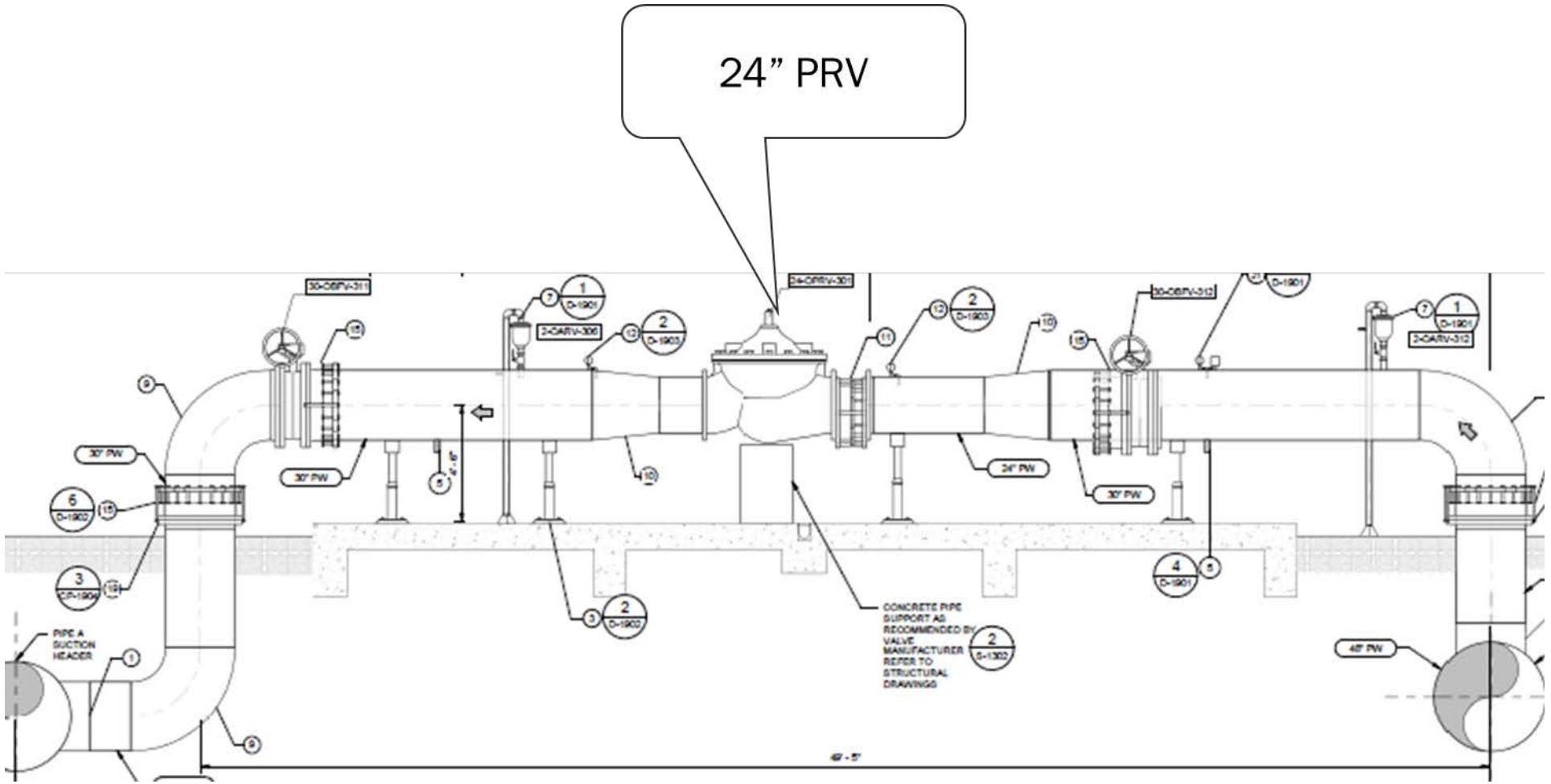
Old Pearsall Rd. Pump Station – New Booster Pump



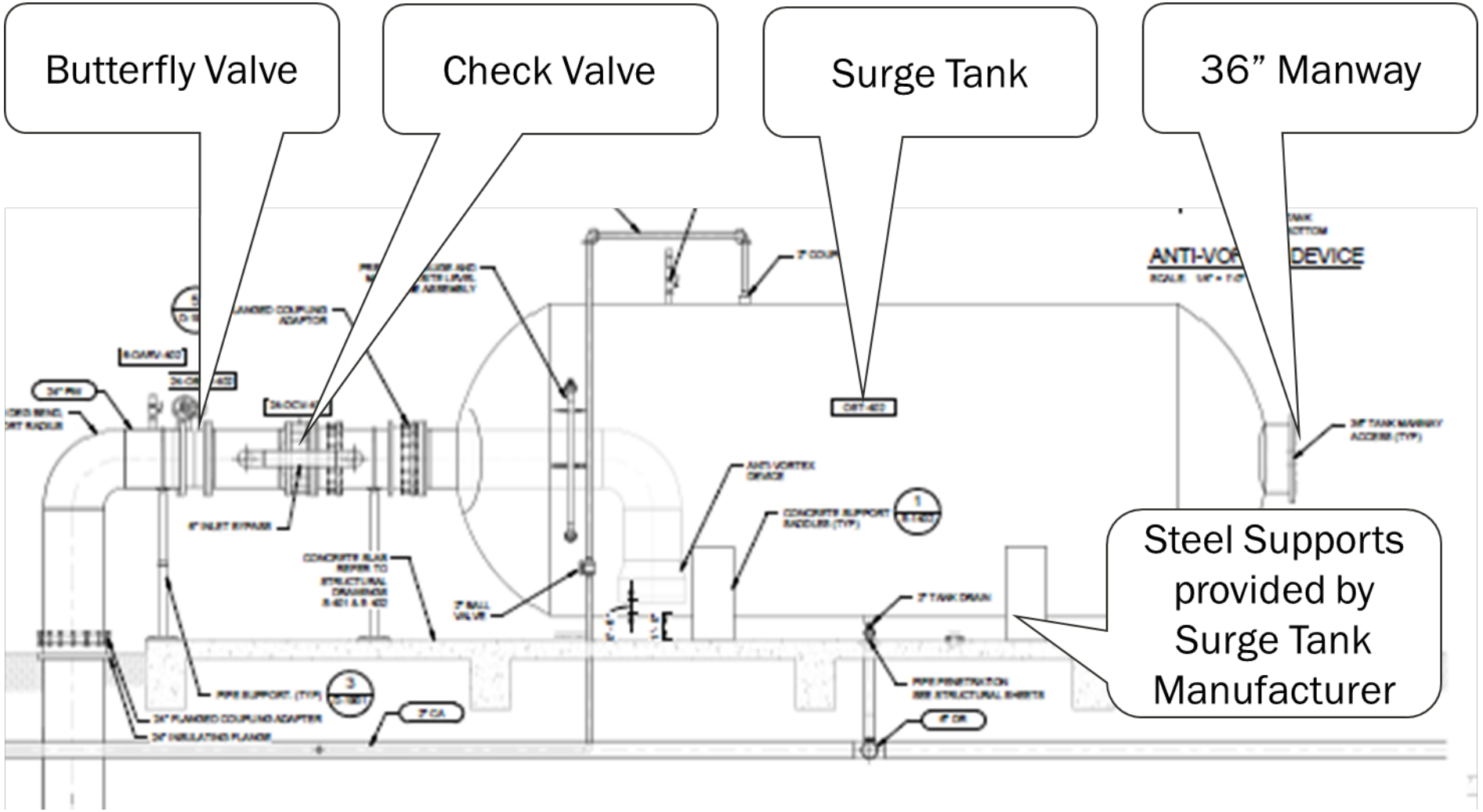
Old Pearsall Rd. Pump Station – New Booster Pumps



Old Pearsall Rd. Pump Station – PRV Valve

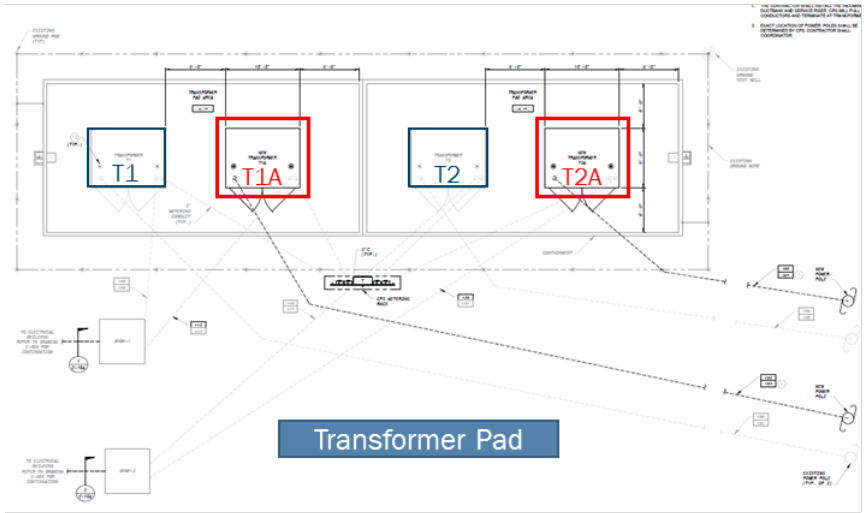


Old Pearsall Rd. Pump Station – Surge Tanks

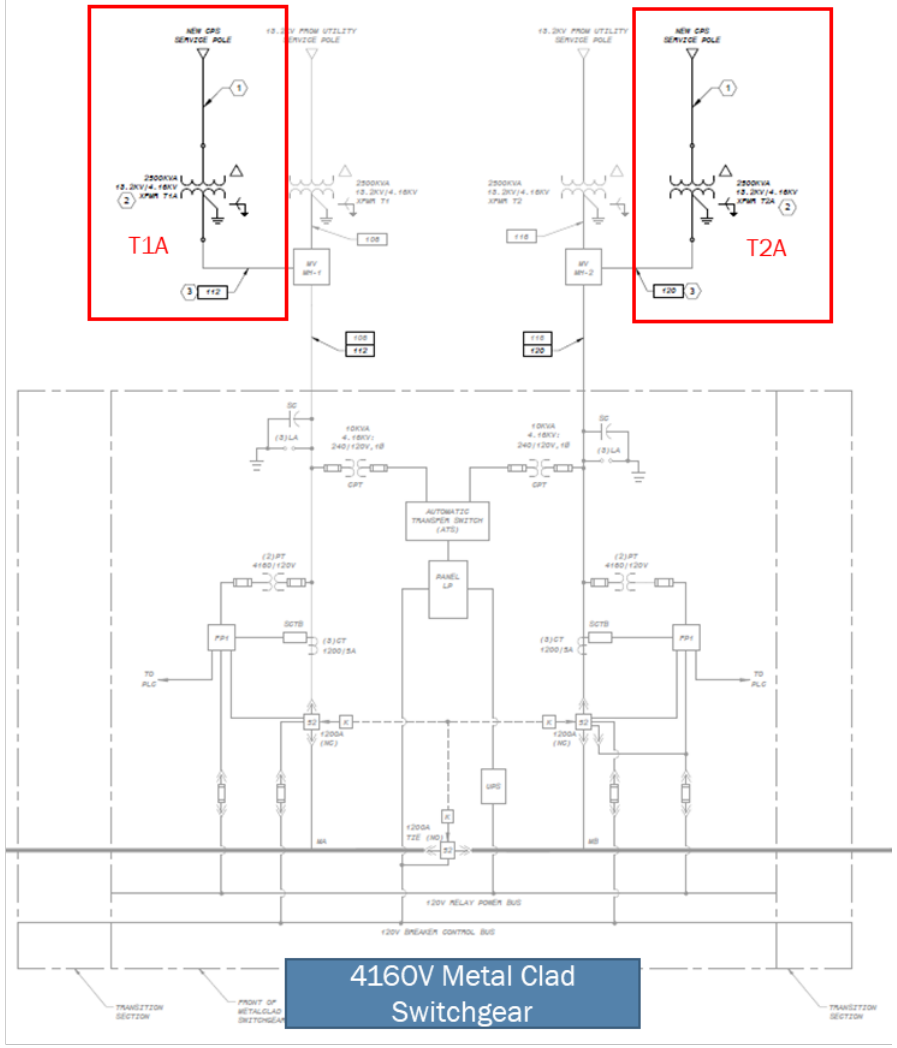


Old Pearsall Rd. Pump Station – Electrical Improvements

Add Utility Service Connected to 2 @ New Parallel 2500 kVA XFMRS

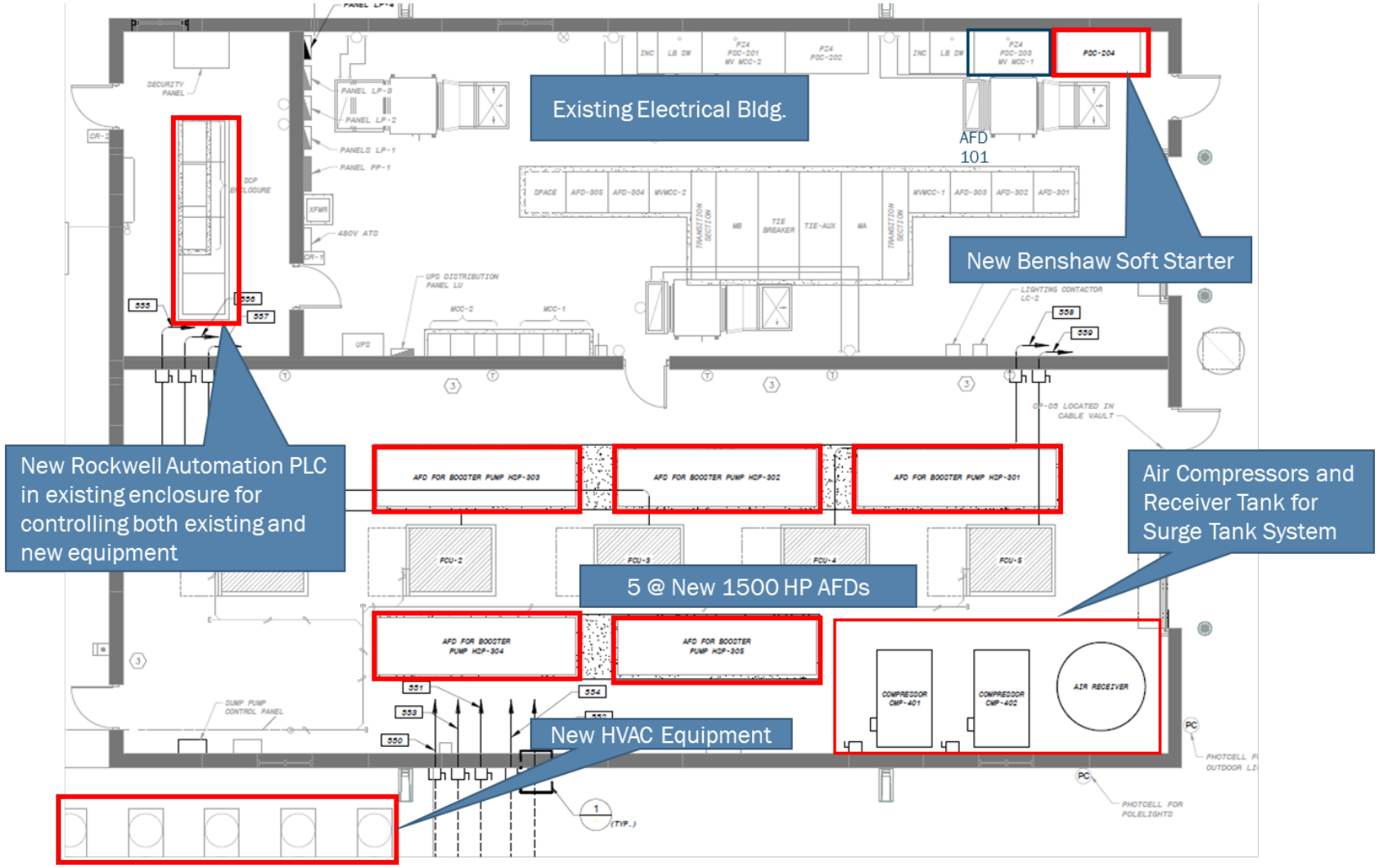


Transformer Pad



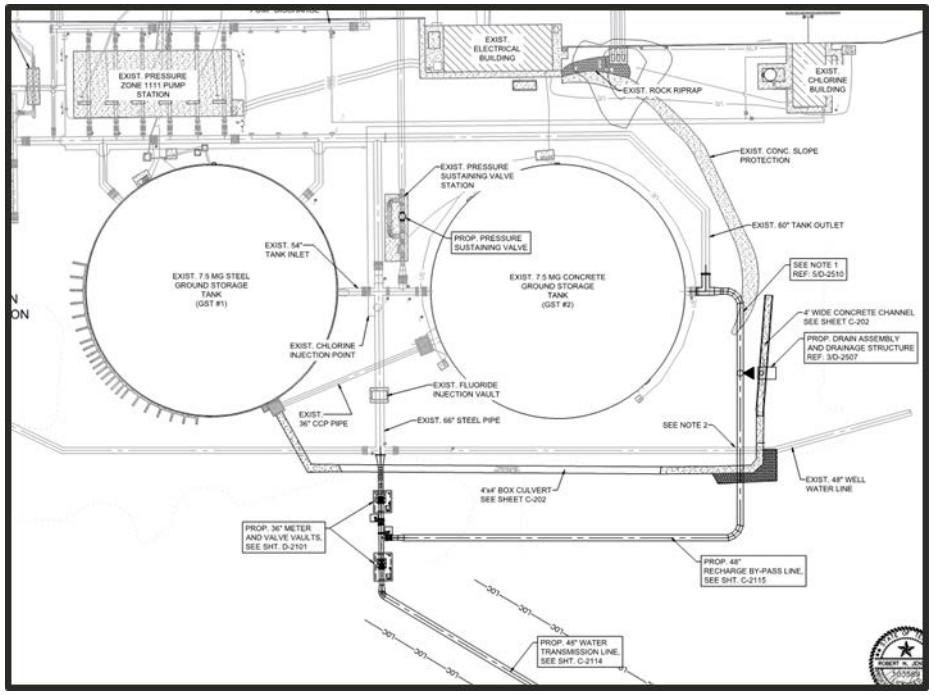
4160V Metal Clad Switchgear

Old Pearsall Rd. Pump Station – Electrical Improvements



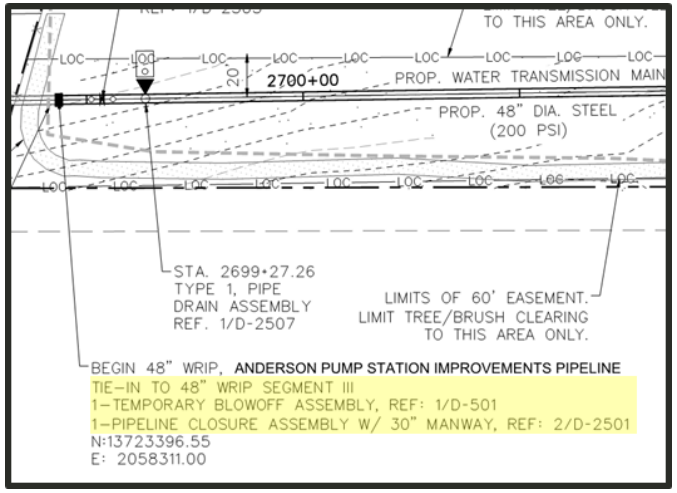
Anderson Pump Station – Overall Site Plan

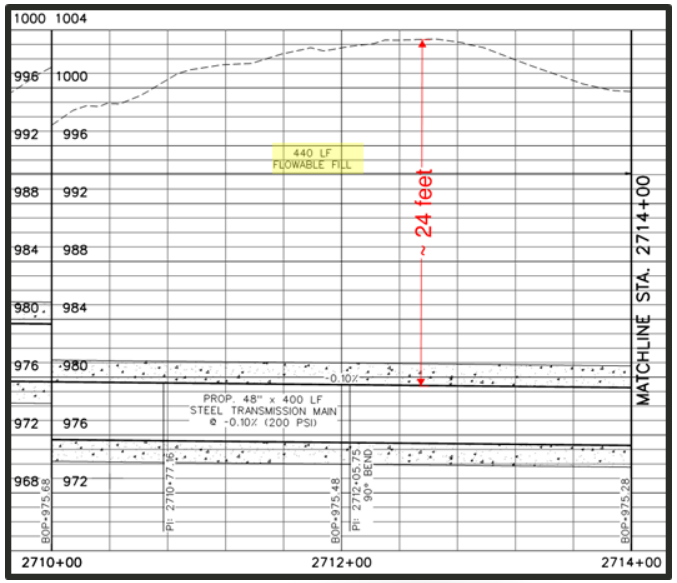
- 48-inch Transmission Main
- 48-inch By-Pass Line
- 36-inch Meter and Valve Vaults
- Pressure Sustaining Valve
- Drain Assembly / Drainage Structure



Anderson Pump Station – 48" Transmission Main

- Tie-in to 48-inch WRIP Segment III Pipeline
- Approx. 2,350 LF of 48-inch steel pipeline, 200 PSI
- Depth of cover varies from 5 to 24 feet
- Approx. 800 LF of flowable fill encasement (>20' of cover)
- Rocky soil conditions, within area of environmental impact



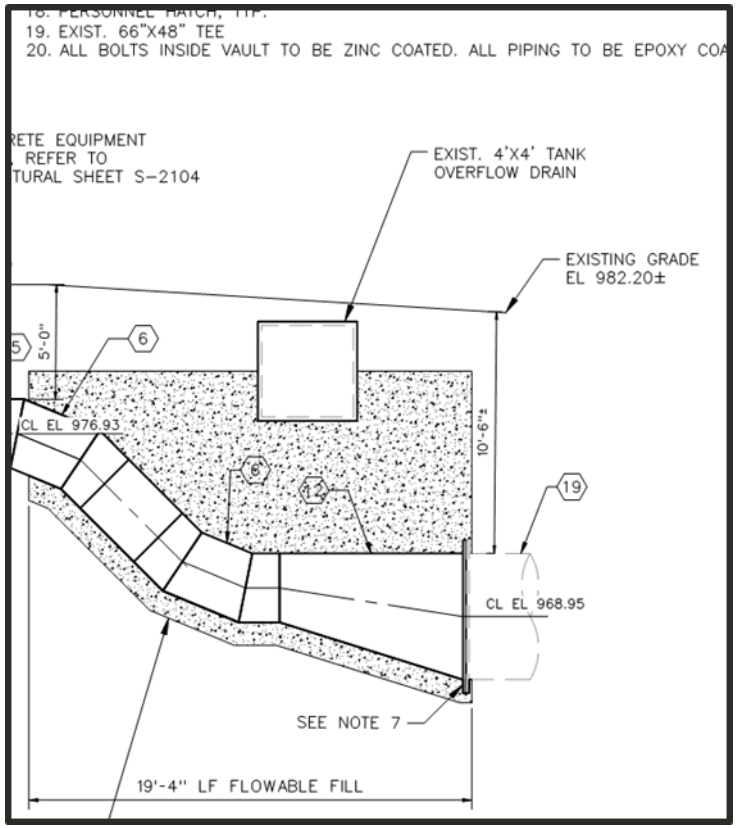


Anderson Pump Station – 48" Transmission Main

- Proposed 48-inch transmission main connects to existing 66" x 48" cross

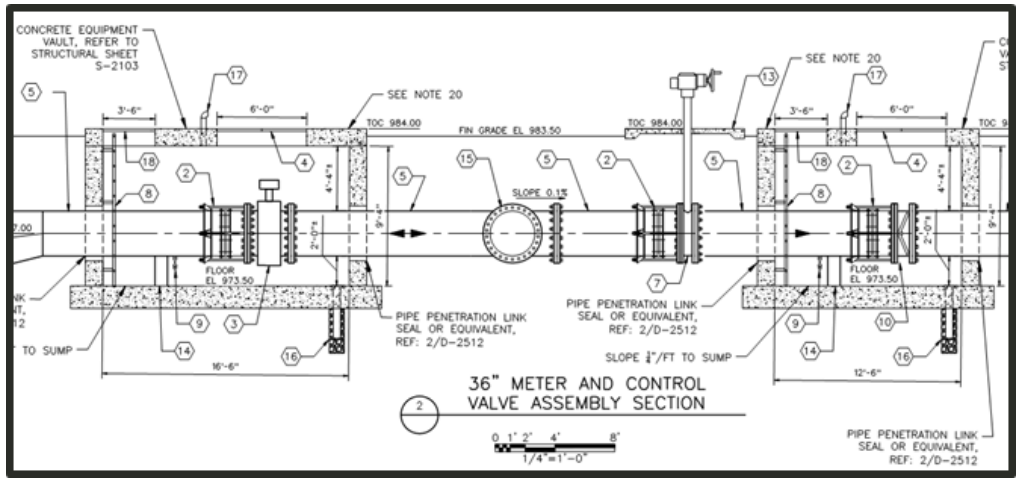
NOTES:

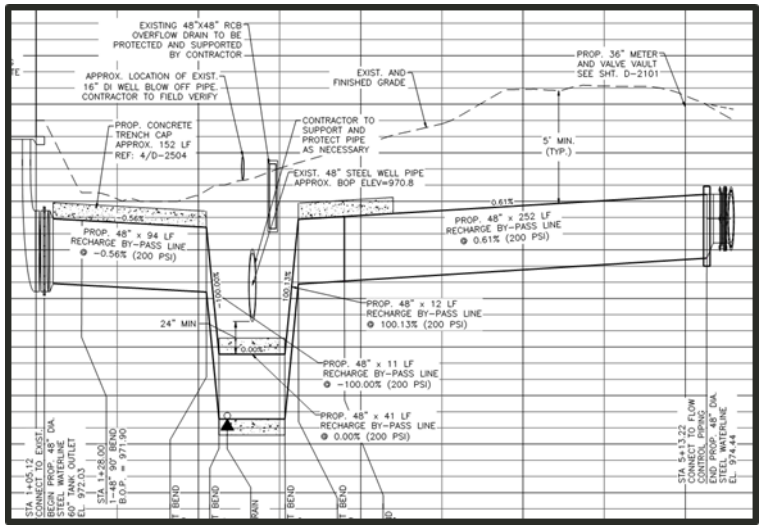
1. ALL PIPING, VALVES, FITTINGS, ETC, TO BE COATED AND LINED IN ACCORDANCE WITH THE SPECIFICATIONS. ALL NON-FLANGED PIPE AND FITTINGS WILL BE WELDED.
2. ALL FLANGE GASKETS SHALL BE REINFORCED WITH CLOTH OR ANNULAR RINGS.
3. FLANGED GASKETS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
4. ALL STEEL SHALL BE RATED FOR MINIMUM 200 PSI WORKING PRESSURE.
5. ALL FLANGES SHALL BE 200 PSI CLASS.
6. ALL INSTRUMENT PIPING SHALL BE HEAT TRACED.
7. REMOVE EXISTING 66" BLIND FLANGE AND CONNECT TO EXISTING 66" CROSS. CONTRACTOR TO EXPOSE EXISTING 66" FLANGE TO VERIFY INVERT ELEVATIONS PRIOR TO ORDERING SPECIAL ECCENTRIC REDUCER.
8. CONTRACTOR TO SUPPORT AND PROTECT BOX CULVERT AS NECESSARY.



Anderson Pump Station – By-Pass Line and Vaults

- 18'-6" x 9'-4" x 12'-0" Flow Meter Vault
- 12'-6" x 9'-4" x 12'-0" Check Valve Vault
- Approx. 410 LF of 48-inch steel by-pass line, 200 Psi
- Cross existing 48-inch steel well piping

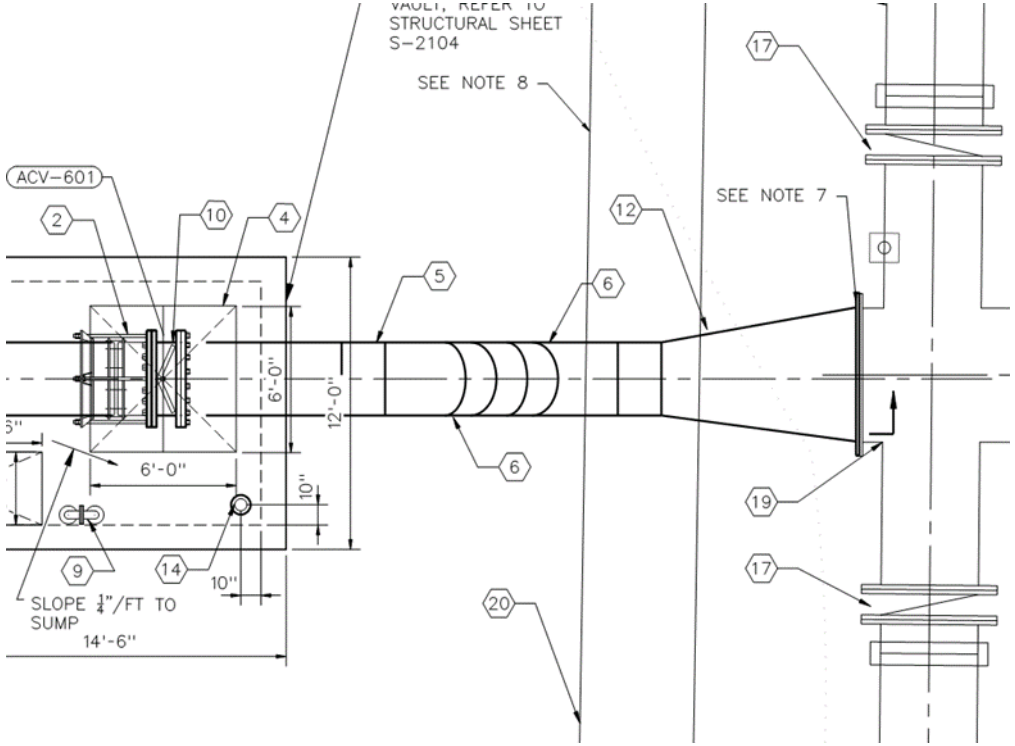


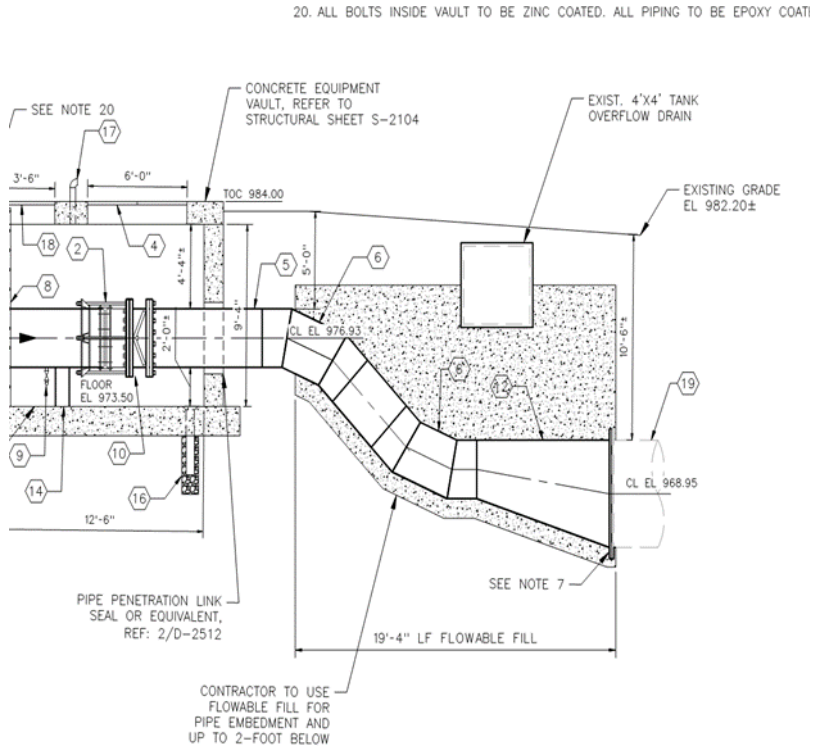


Special Conditions

- SC-1 Geotechnical Information
  - Geotechnical Data Report provided by SAWS for bidding purposes.
  - Contractor to hire independent geotechnical engineering firm to prepare report for Contractor's use.
- SC-2 Critical Operations
  Critical Tie-in No. 1. Anderson P.S.
    - New 66-inch fitting connection to existing 66-inch X 48-inch tee (sheet D-2101).
    - Maximum Allowed Time : 24 hours
    - Availability Period: January 1 – March 1

Special Conditions – Critical Tie-in No. 1 Anderson PS





Special Conditions – Critical Tie-in No. 2 and 3

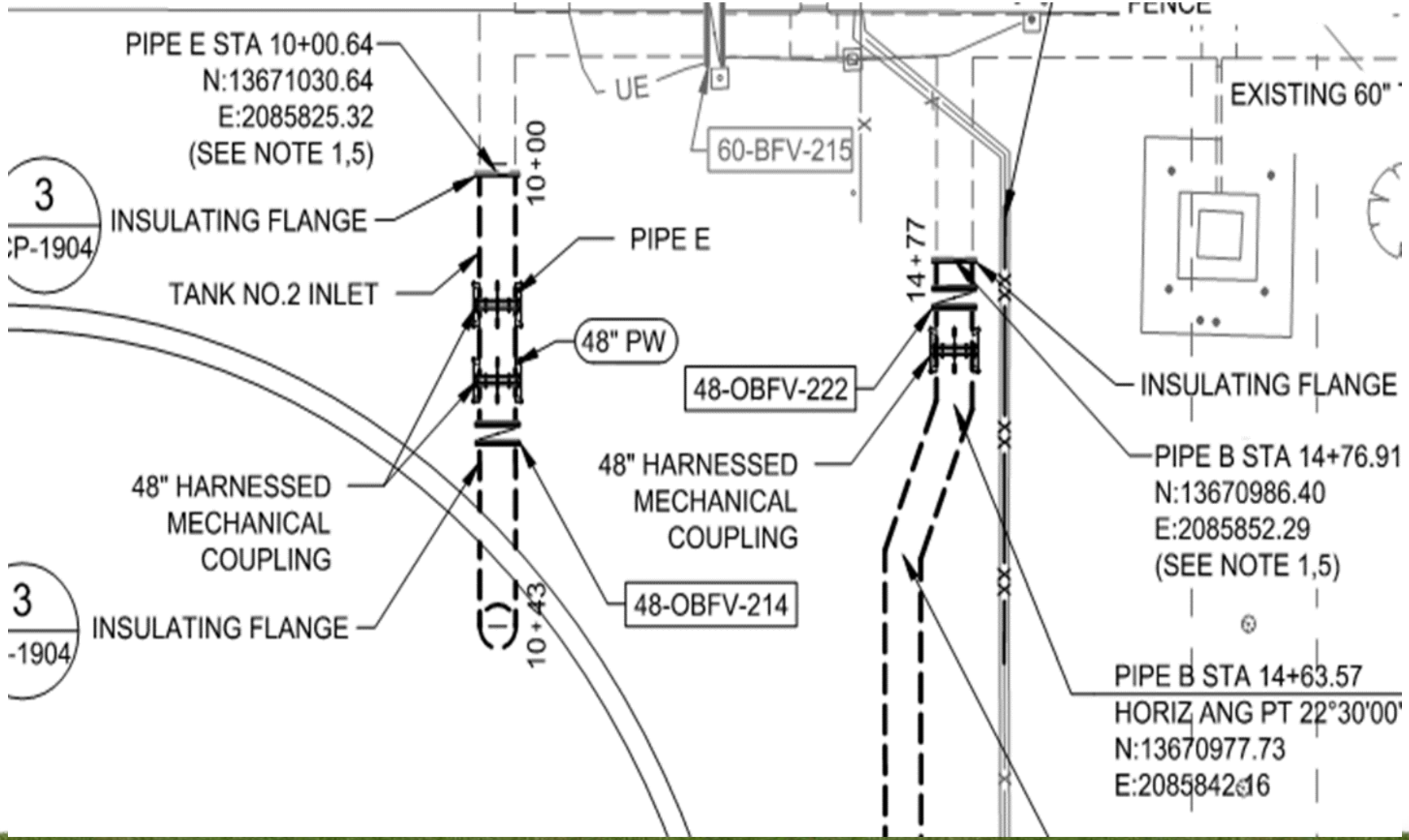
– Critical Tie-in No. 2. Old Pearsall Rd P.S.

- New 48-inch (Pipe "E") tie-in to existing 48-inch tee
- Maximum Allowed Time: 7 calendar days
- Availability Period: October 1 - December 1

– Critical Tie-in No. 3. Old Pearsall Rd. P.S.

- New 48-inch (Pipe "B") tie-in to existing 48-inch pipe
- Maximum Allowed Time: 14 calendar days
- Availability Period: October 1 – December 1

Special Conditions – Critical Tie-in No. 2 and 3



Special Conditions

- SC-3. Document Management
  - Mandatory use Contract and Project Management System (CPMS)
- SC-4 Communication Protocol
  - SAWS Construction Inspector to Contractor's Project Manager or Superintendent
  - Sub-contractors to Contractor
- SC-5 Existing Subsurface Conditions and Above-ground Utilities
  - Contractor's responsibility to locate, maintain, protect (NSPI)
- SC-6 Commissioning Allowance
  - For use by SAWS at their discretion

SMWVB Questions

Questions related to SMWVB may be directed to SAWS' SMWVB Program Manager until bids are due. Her contact information is as follows:

Marisol V. Robles

Contract Administration Department

San Antonio Water System

Email Address: Marisol.Robles@saws.org

Telephone No.: (210) 233-3420

Questions

- Should be submitted no later than June 30, 2020 at 4:00 PM CDT
- Must be submitted in writing:

Stella Manzello

Contract Administrator

Contract Administration Department

San Antonio Water System

stella.manzello@saws.org

Fax: (210) 233-4290

Water Resources Integration Program (WRIP)
Phase 2 Pump Station Improvements

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Marisol V. Robles
SMWVB Program Manager, SAWS

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San Antonio Water System

Non-Mandatory Pre-Proposal Meeting

June 25, 2020

MAKING SAN ANTONIO WATERFUL