

Central Water Integration Pipeline Bitters Pump Station Improvements and Segment 5-3

Alissa Lockett, P.E.
SAWS Engineering Director

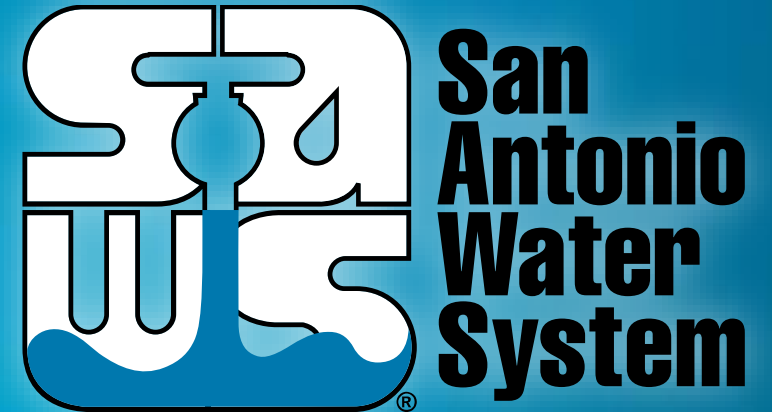
Linda Bevis, P.E.
SAWS Engineering Manager

Jaime Kypuros, P.E.
Tetra Tech Design Lead

Diana Woltersdorf
SAWS Contracting Manager

Jessica Goforth
SAWS Contract Administrator

Susan Rodriguez
SAWS SMWVB Program Specialist



Non-Mandatory Pre-Bid Meeting
August 2, 2018 at 10:00 AM

MAKING SAN ANTONIO
WATERFUL



Oral Statements

Oral statements or discussion during the pre-proposal 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.

Agenda

- Contract Requirements and Experience
- Small, Minority, Women and Veteran-Owned Business (SMWVVB) Requirements
- RFCSP Evaluation Process and Evaluation Criteria
- Proposal Packet Preparation
- Reminders and Key Dates
- Project Background and Information
- Questions

Contract Requirements

- Certified payroll to be submitted on a weekly basis
- Wage decisions are included within the specifications
- Contractors to utilize LCP Tracker software
- Site visits are random and unannounced
- Contractors are responsible for sub-contractor payroll
- Late payrolls delay contractor payments from SAWWS

Contract Requirements *(cont.)*

- Insurance requirements are found in 5.7 of the GCs
 - Riggers Liability has been added
 - Respondent's insurance should be compliant for current SAWWS Projects
 - Selected contractor will submit certificate of insurance prior to Board award
 - Maintain insurance coverage during the construction of this Project
- Construction submittals and invoicing will be handled through CPMS
- Geotechnical report has been developed for the project and made available on the SAWWS website after disclaimer form has been completed.
- Diversion of Key Personnel may not be made without written consent of SAWWS.

Contract Requirements *(cont.)*

- Intermediate Milestone 1 – December 31, 2019
 - Welded Steel pipeline from the 48” connection to the GST with all appurtenances installed
 - Sleeve Valve and control installed and operational
 - New 5 MG GST is operational
- Substantial completion for this project - February 15, 2020
- Final completion - April 20, 2020

Contract Requirements *(cont.)*

- Per Supplemental Condition 8.6 of the GCs, liquidated damages will be assessed as follows:
 - Intermediate Milestone I | 12/31/2019 up to 4/15/2020 \$5,000.00/day
 - Intermediate Milestone I after 4/15/2020 \$20,000.00/day
 - Substantial Completion after 2/14/2020 \$5,000.00/day

Required Experience

- Found in the Supplementary Instructions to Respondents
- Construction of a 30 MGD pump station, 5 MGD pre-stressed concrete ground storage tank, large diameter (48-inch \geq) finished water conveyance pipelines with installation at depths of \geq 20 feet via open cut and trenchless (jacking, boring, hand mining with liner plate) installation in rock, marl and clays.
- Construction performed in highly urban areas
- Close coordination with key stakeholders

Required Experience *(cont.)*

- Furnishing and installing pumps, motors, mechanical piping, electrical work
- Installation of large finished water pipelines in narrow corridors with potential conflicts with existing utilities (water, natural gas, electric, telephone, cable, etc.)
- Complex sequencing of construction activities concurrently across multiples sites within the same project
- On-time completion of time sensitive projects
- Coordination with city/county/state agencies influencing the schedule of construction projects

RFCSP Evaluation Process

- Technical Evaluation Committee (TEC) will score the proposals based on the evaluation criteria published in the Supplementary Instructions to Respondents to determine the Respondent who can provide the best value to SAWWS
- Price will be calculated and added to final scores
- SMWVB will be added to final scores
- Selection Evaluation Committee reviews final scores
- Negotiations, if any
- Board Award

Evaluation Criteria

CRITERIA	MAX POINTS	SIR PAGES
Team Qualifications and Similar Prior Experience	30	SIR-2 to SIR-5
Project Team Structure and Key Personnel	10	
Prime Contractor Qualifications, Experience, and Safety Record	10	
Key Subcontractors Qualifications, Experience, and Safety Record	10	
Project Approach, Schedule, and Resource Availability	30	SIR-5 to SIR-6
Project Approach and Quality Control	10	
Delivery Schedule	10	
Availability of Key Personnel and Equipment	10	

Evaluation Criteria

CRITERIA	MAX POINTS	SIR PAGES
Price	30	SIR-6 to SIR-7
Small, Minority, and Woman-Owned Business Participation (SMWB)	10	SIR-7 to SIR-9 and GFEP
TOTAL	100	

Evaluation Criteria Form

1. Team Qualifications and Similar Prior Experience

a. Project Team Structure and Key Personnel

i. Current business organizational structure, type of business structure, and stability of organization			
Organization Doing Business As			
Business Address of Principle Office			
Main Office Telephone Number			
Web Site Address			
Business Address of Regional Office (if different from Principle Office)			
Regional Office Telephone Number			
Business Structure (Check One)	<input type="checkbox"/> A Corporation	<input type="checkbox"/> A Partnership	<input type="checkbox"/> An Individual
If a Corporation			
Date of Incorporation			
State of Incorporation			
Chief Executive Officer's Name			
President's Name			
If a Partnership			
Date of Organization			
State whether partnership is general or limited			
If an Individual			
Name			
Business Address			
Stability of Organization			
Average number of current full time employees:		Annual revenue for previous year:	
ii. Number of years performing contracting / construction work:			
Under current business name:		Under previous business name(s):	
iii. Provide a brief description of the managerial structure for this project and illustrate with an organizational chart. Include the title and names of proposed key personnel. Include the organizational chart as an attachment.			

Evaluation Criteria

Team Qualifications and Similar Prior Experience (30 points)

- Project Team Structure and Key Personnel
 - Use Form provided in SIR to answer I. a. i.-iv.
 - Current business structure, type, and stability of organization
 - Financial statement within the last 12 months by a license Certified Public Accountant.

Evaluation Criteria

Team Qualifications and Similar Prior Experience (30 points) – *cont.*

- Prime Contractor Qualifications, Experience and Safety Record
 - Use Form provided in SIR to answer I. b. i.-iv.
 - Replicate attached form for each referenced project
 - Provide Organizational Chart
 - Experience for five (5) successfully completed projects of comparable size, scope, and complexity business name.
 - Projects to be within the past ten (10) years
 - List of all SAWS projects over the past ten (10) years and include role served by Key Personnel

Evaluation Criteria

Team Qualifications and Similar Prior Experience (30 points) – *cont.*

- Prime Contractor Qualifications, Experience and Safety Record – *cont.*
 - List and describe Key Personnel’s applicable experience for three (3) successfully completed projects
 - Projects to be within the past ten (10) years
 - Resumes, no more than 1-page per Key Personnel
 - Safety Record
 - Total Recordable Incident Rate for each year for the past three (3) years
 - Experience Modification Rate for the past three (3) years
 - Any fatalities in the history of the Prime Contractor

Evaluation Criteria

Team Qualifications and Similar Prior Experience (30 points) – *cont.*

- Key Subcontractors Qualifications, Experience and Safety Record
 - Use Form provided in SIR to answer I. c. i.-iv.
 - Key subcontractors are defined as subcontractors that are responsible for executing a significant portion of the work
 - Could include prestressed concrete tank work, electrical work, bore and jack tunneling, hand mining, and large diameter open cut pipe installation (steel and RCP)

Evaluation Criteria

Team Qualifications and Similar Prior Experience (30 points) – *cont.*

- Key Subcontractors Qualifications, Experience and Safety Record – *cont.*
 - List and describe Subcontractor’s Key Personnel’s applicable experience for three (3) successfully completed projects
 - Projects to be within the past ten (10) years
 - Resumes, no more than 1-page per Key Personnel
 - Key Personnel include: Project Manager, Superintendent, and Foreman
 - Safety Record
 - Total Recordable Incident Rate for each year for the past three (3) years
 - Experience Modification Rate for the past three (3) years
 - Any fatalities in the company’s history

Evaluation Criteria

Project Approach, Schedule, and Resource Availability (30 points)

- Project Approach and Quality Control
 - Respondent narrative (not included in Evaluation Criteria form)
 - How project will be completed
 - Description of the approach for procuring long-lead items as well as for ensuring critical path items will be addressed adequately
 - Description of the approach
 - Procurement of pumps, motor control centers, sleeve valves and steel pipe
 - Provide a description of how key stakeholders will be contacted and coordinated with throughout the project
 - Provide any innovative ideas for cost savings (due to method or duration)
 - List and describe any instances in which the Contractor encountered unforeseen conditions
 - Identify whether a recovery plan was required
 - Describe the nature of the issue and the approach
 - Provide a quality management plan

Evaluation Criteria

Project Approach, Schedule, and Resource Availability (30 points) – *cont.*

- Delivery Schedule
 - Respondent narrative (not included in Evaluation Criteria form)
 - Primavera or Microsoft project (CPM milestone) schedule
 - Assume Notice to Proceed date of September 18, 2018
 - Identify long lead items and critical path show drawing submittals
 - Provide details for the pumps, motor control centers, sleeve valves, and steel pipe procurement and delivery
- Availability of Key Personnel and Equipment
 - Describe availability of qualified personnel and equipment

Evaluation Criteria

Price (30 points)

- Determine lowest total price and award 30 points for price
 - Proposals receive a percentage of the thirty (30) points based on a comparison with the lowest total price proposal
 - Calculate the ratio between the lowest total price and each proposal. Multiply the ratio by 30 to obtain the points earned.

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)

Minimum Qualifications for SMWVB recognition:

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

Accepted SMWVB Certifications

- Minority Business Enterprise (MBE) (Includes AABE, ABE, HABE and NABE)
- Small Business Enterprise (SBE)
- Woman-owned Business Enterprise (WBE)
- Veteran-owned Business Enterprise (Tracked, but not eligible for points)

SMWB Scoring

Proposed SAWS Construction Alternative Delivery Method SMWB Scoring:

The maximum number of SMWB points to be earned is 10 points. Firms may use any combination of points below when attempting to meet the SMWB goals. Self-performance and subcontracting may be used to achieve the aspirational goals and earn points. SMWB prime contractors and/or subcontractors must be certified by the South Central Texas Regional Certification Agency, and must have a local presence in the San Antonio Metropolitan Statistical Area in order to be counted for SMWB points. All prime contractors firms, whether SMWB or not, are eligible to earn the maximum number of SMWB points (10).

1. M/WBE Scoring Method: 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

2. SBE (Non-M/WBE) Scoring Method: 5 Points (By percentage) 5% SBE Goal

- 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

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 210-233-2950, or at susan.rodriquez@saws.org. GFEP questions can be asked at any time before the submittal is due.

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

San Antonio Water System: SMWB at SAWS - Windows Internet Explorer

https://saws.smwbe.com/Default.asp?

File Edit View Favorites Tools Help

SAWS EZlink Employee Portal San Antonio Water System

Who We Are Our Water Conservation Service Infrastructure Education Environment Jobs Business Center

What makes an idea Refreshing? Find out at RefreshingIdeas.com

HOME BUSINESS CENTER SAWS CONTRACT COMPLIANCE SYSTEM

IN THIS SECTION:

Main

SAWS SMWB Contract Compliance System

System Access Login

Username:

Password:

Remember username

Login

[Home](#)

- [Contact Us & Support](#)
- [Forgot Password](#)
- [Account Lookup](#)
- [Help/First Time Visitors](#)

San Antonio Water System is pleased to offer our Contract Compliance System tracking SMWBE participation!

The Contract Compliance System is designed to streamline and automate your reporting requirements. The system is accessible to all firms doing business with SAWS and includes the following key features:


- Automated communication with contractors via email regarding compliance issues
- Submission of contractors' utilization reports online with automated tracking of contract goals and participation
- Automatic verification of subcontractor payments
- Immediate feedback on accuracy of certified payrolls
- Elimination of paper-based reporting and lengthy payroll validation delays

Subcontractor Change Request

Any changes in subcontractors or suppliers requires prior approval from SAWS:

http://www.saws.org/business_center/contractsol/forms.cfm or

http://www.saws.org/business_center/contractsol/forms/SMWBChangeForm.pdf



San Antonio Water System

Name of Contractor: _____
 Project Name & Number: _____

Submits the following approval request of the following addition(s) and/or deletion(s) on the Affirmed List of Subcontractors, as originally submitted as part of the BID/PROPOSAL/CONTRACT.

CHANGES

ADD	DELETE	NAME OF SUBCONTRACTOR	SBE, MBE, VBE, WBE	DESCRIPTION OF WORK TO BE PERFORMED	PERCENT & DOLLAR AMOUNT OF CONTRACT
<input type="checkbox"/>	<input type="checkbox"/>		▼		
<input type="checkbox"/>	<input type="checkbox"/>		▼		
<input type="checkbox"/>	<input type="checkbox"/>		▼		
<input type="checkbox"/>	<input type="checkbox"/>		▼		
<input type="checkbox"/>	<input type="checkbox"/>		▼		
<input type="checkbox"/>	<input type="checkbox"/>		▼		
<input type="checkbox"/>	<input type="checkbox"/>		▼		

JUSTIFICATION

AFFIRMATION

THE ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF, I FUTHER UNDERSTAND AND AGREE THAT THIS DOCUMENT SHALL BE ATTACHED THERETO AND BECOME A BINDING PART OF THE CONTRACT.

Name & Title of Authorized Requestor: _____
 Signature of Authorized Requestor: _____ Date: _____

SMWVB PROGRAM MANAGER: _____	DATE APPROVED: _____
CONTRACTING DIRECTOR: _____	DATE APPROVED: _____

Office Use Only: _____ S.P.U.R. System _____ CPMS _____ Project Hand File _____

Proposal Packet Preparation

- Utilize the Respondent's Proposal Checklist (issued via Addendum 7/20/18)
 - Original proposal (1) and CD or thumb drive, along with required information differs from copies (7)
- Thoroughly review plans and specs, as well as the Supplementary Instructions to Respondents
- Ensure Respondent's projects and key personnel resumes clearly show similar experience as requested in this RFCSP
- Thoroughly review evaluation criteria and respond with all required information to maximize points
- Avoid "boilerplate" responses
- Verify contact information for all project references, if SAWS is not able to contact reference, points may be deducted or proposal deemed non-responsive

Proposal Packet Preparation *(cont.)*

- Ensure required documents are submitted and signed, (i.e. Respondent Questionnaire, CIQ, etc.)
- Entire proposal should create a clear picture of Project Team experience and capabilities (Org chart, projects, and resumes for Key Personnel from Primes and Subs)
- Double check extensions for both proposals
 - Acknowledge Addendums on Proposal Signature Page
- Responses are limited to 50 pages
 - Dividers tabs and required forms do not count towards limit except for the forms provided as part of the SIR.

Reminders

- Ask clarification questions re: project, RFCSP and evaluation criteria ahead of the deadline to ensure they are captured in an Addendum
- Register through the SAWWS website to ensure access to the most current information (addendums, supplemental information, etc.)
 - Check website once more before submitting proposal

Reminders

- There should not be any communication with the following:
 - ✓ Design Engineer (Tetra Tech)
 - ✓ SAWS Project Manager or Project Engineer
 - ✓ Any other SAWS staff (besides SMWVB related questions to SMWVB Program Specialist)
 - ✓ City Council member or staff
 - ✓ SAWS Board of Trustees
- This includes phone calls, emails, letters, or any direct or indirect discussion of the RFCSP
- Release of RFCSP - Board Award
- If under contract with SAWS for another project, indicate this to SAWS staff that your company intends to submit for this RFCSP and do not discuss

Key Dates

- August 3, 2018 by 10:00 AM
- August 7, 2018 by 10:00 AM
- August 14, 2018 by 2:00 PM
- August 2018
- August 2018
- September 11, 2018
- September 18, 2018

Questions Due

Addendum Posted to SAWS Website

Proposals Due

Proposals Evaluated

Selected Contractor Notified

SAWS Board Approval and Award

Anticipated Start Date/NTP Issued

Submission Due Date

- Proposals due no later than:
 - **2:00 PM CDT Monday, August 14, 2018**
- Follow specific delivery instructions:
 - Deliver to 2800 U.S. Highway 281 North, Suite 171, Customer Service Building, Counter Services (across from the guard station)
 - Make arrangements early, if mailing a response to this RFCSP
 - Late responses will not be accepted and will be returned unopened

SMWVB Questions

Questions related to SMWVB may be directed to SAWS' SMWVB Program Specialist until the RFCSP deadline. Her contact information is as follows:

Susan Rodriguez

Contract Administration Department

San Antonio Water System

Email Address: Susan.Rodriguez@saws.org

Telephone No.: 210-233-2950

Technical Questions

- Should be submitted no later than August 3, 2018 at 10:00 AM CDT
- Must be submitted in writing:

Jessica Goforth

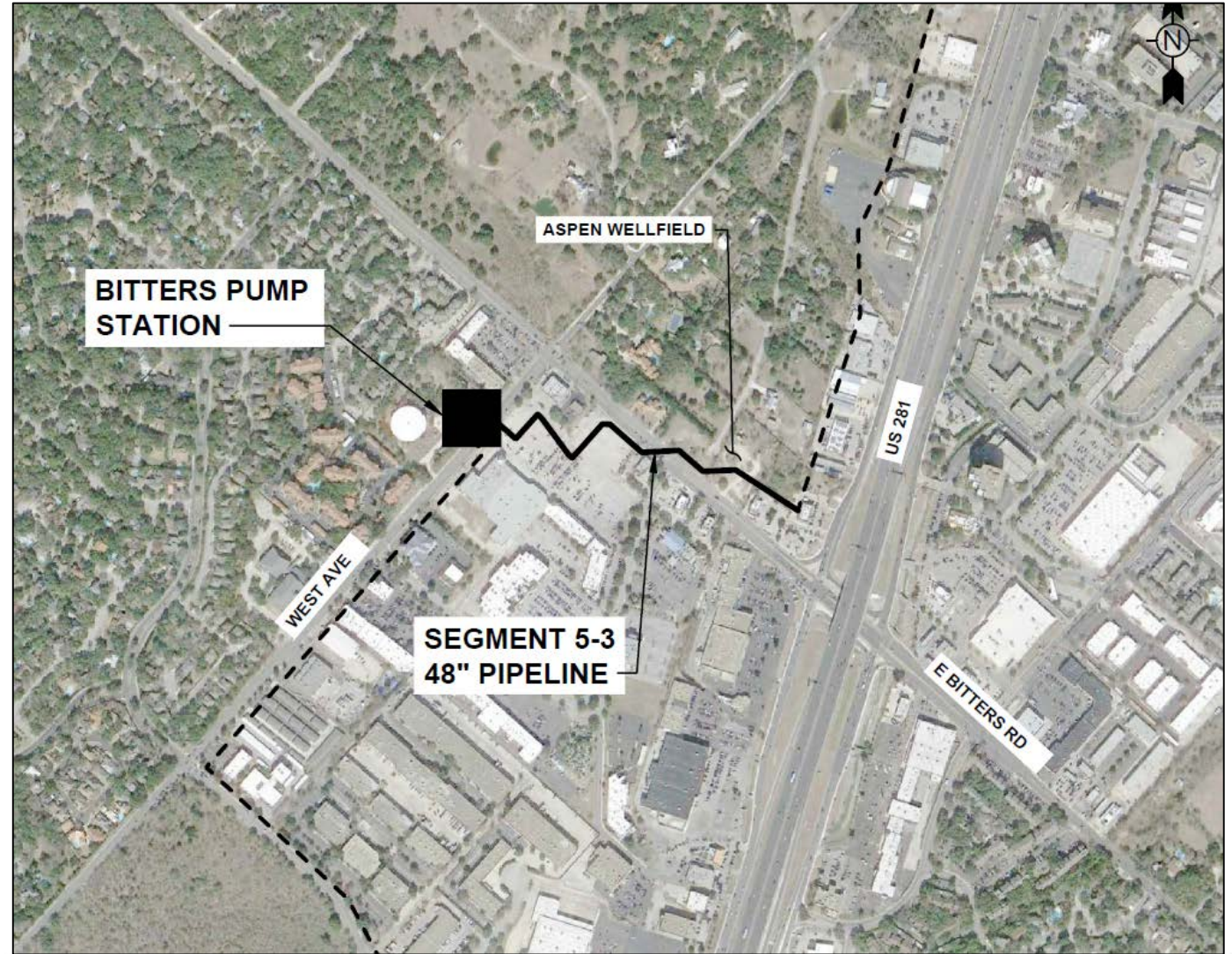
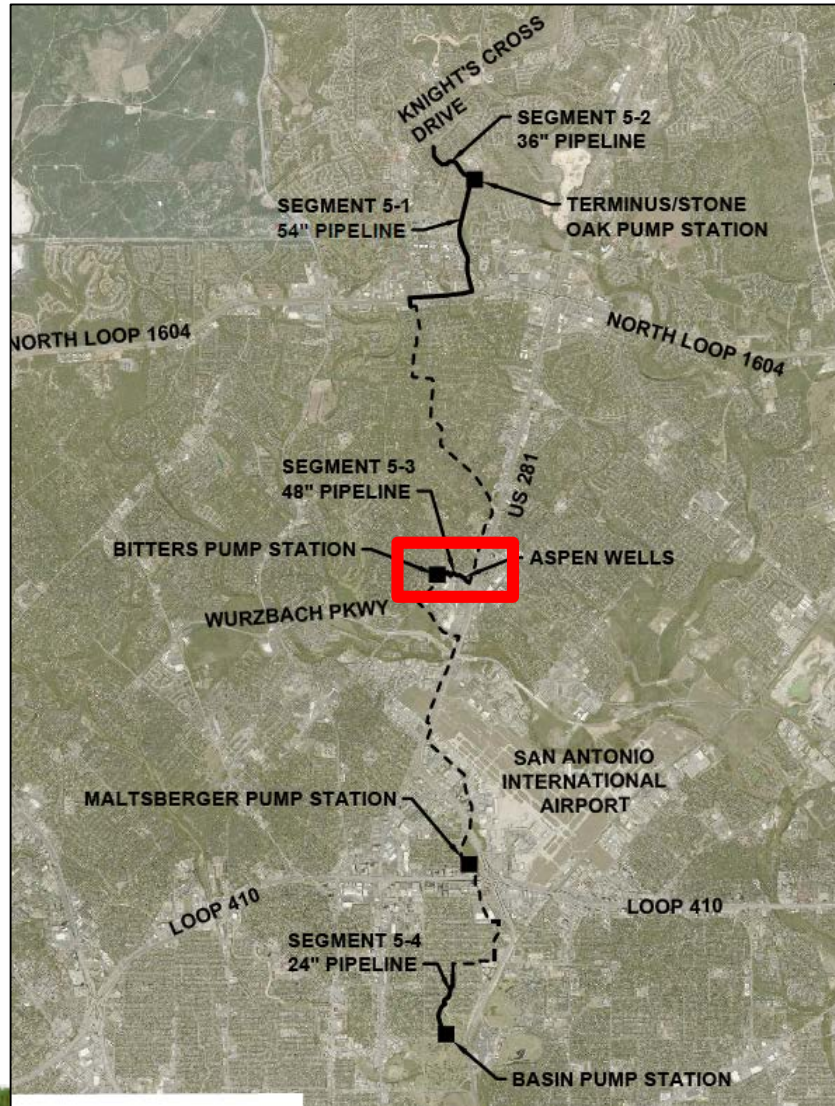
Contract Administrator

Contract Administration Department

San Antonio Water System

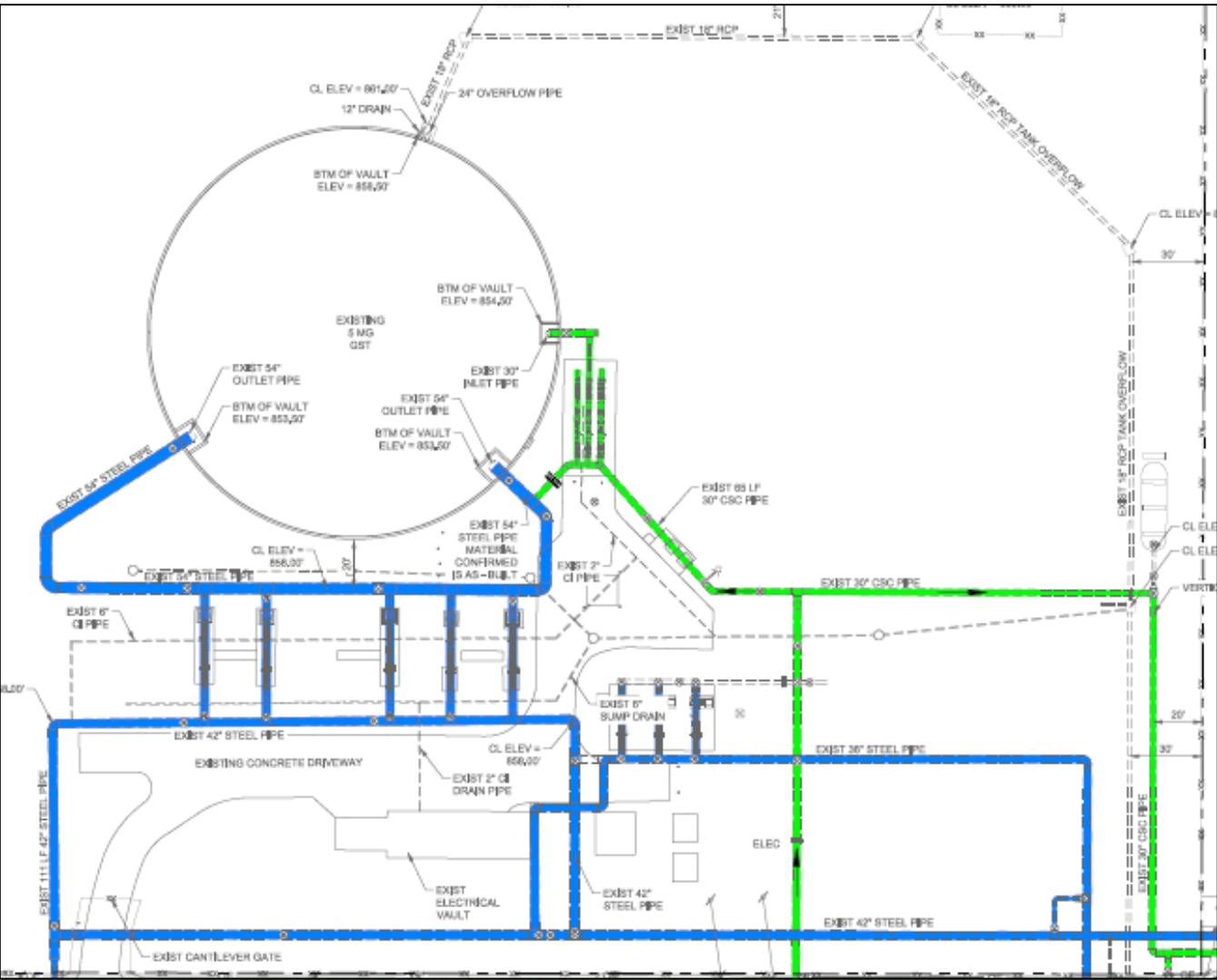
Jessica.Goforth@saws.org

Project Background



Central Water Integration Bitters Pump Station & Segment 5-3

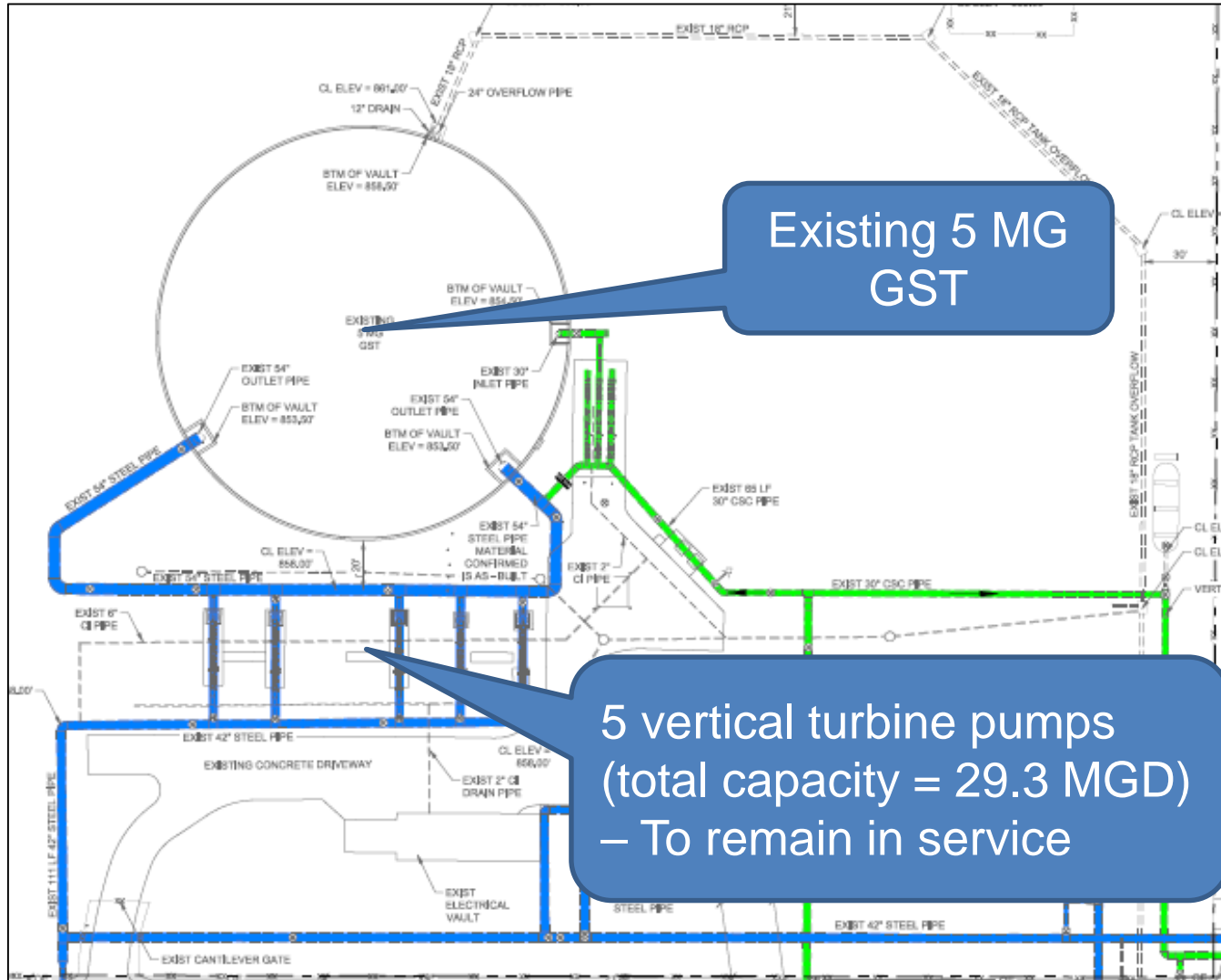
Project Background – Existing Bitters Pump Station



Central Water Integration Bitters Pump Station & Segment 5-3



Project Background - Existing Bitters Pump Station

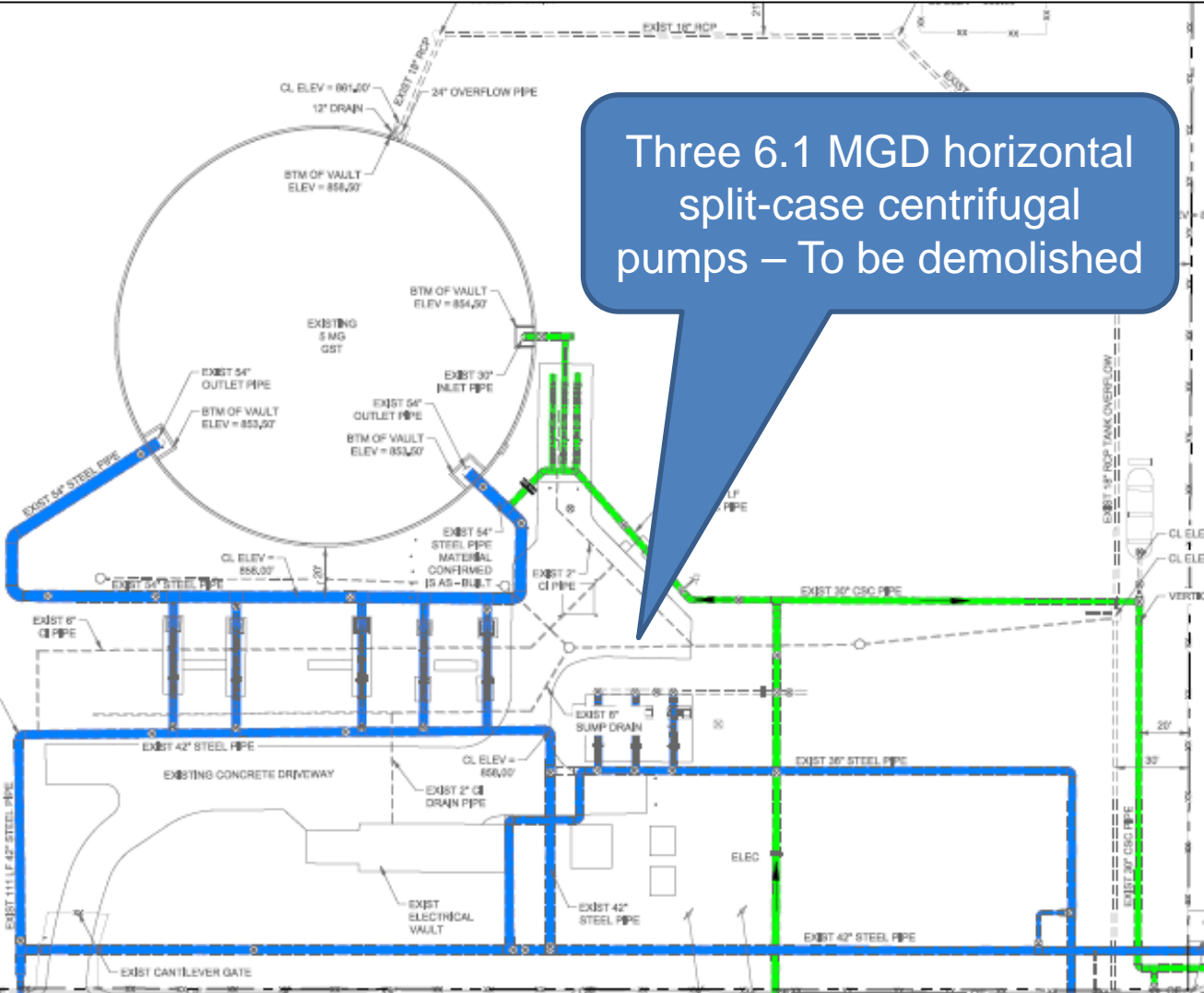


Existing 5 MG GST

5 vertical turbine pumps (total capacity = 29.3 MGD) – To remain in service

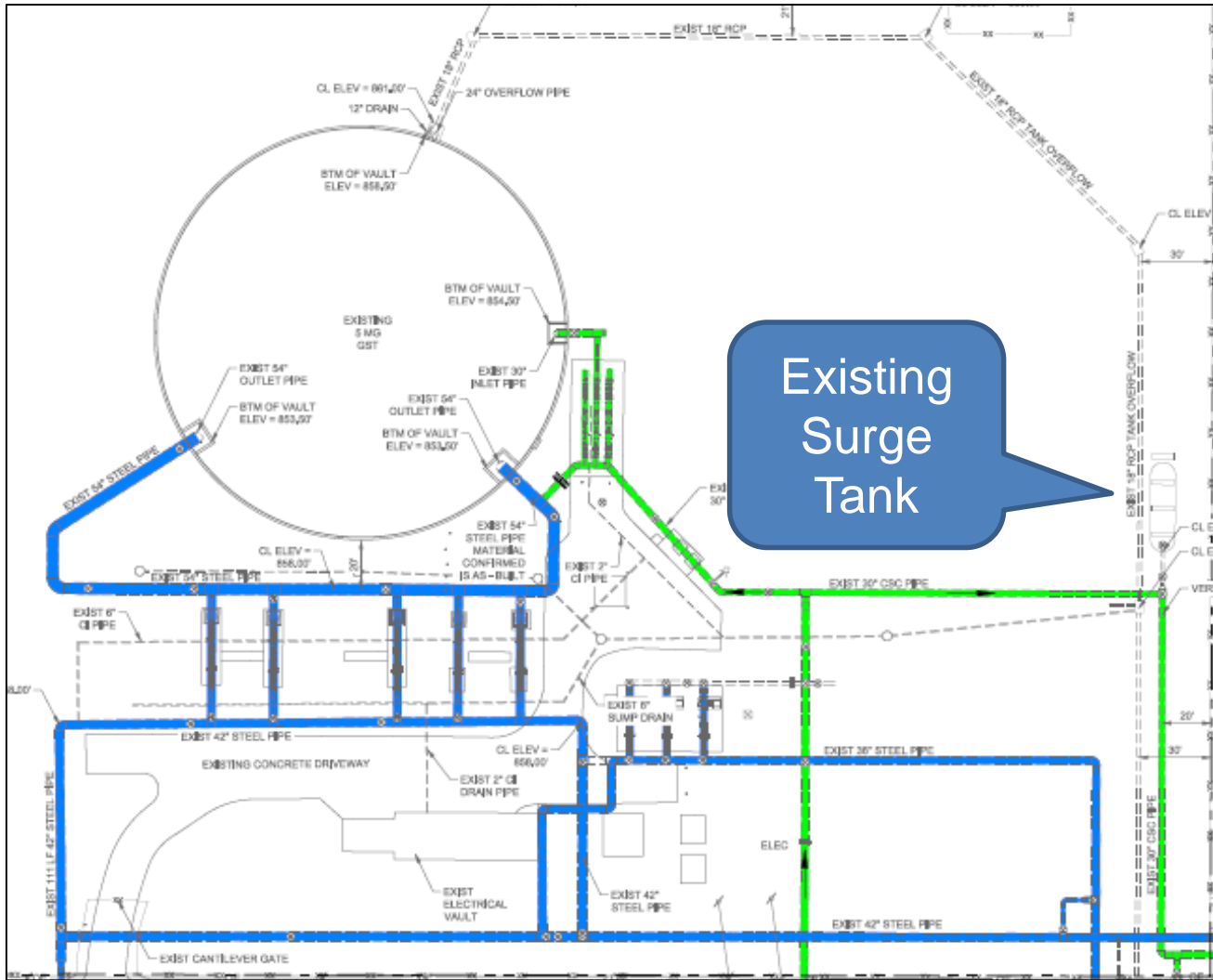


Project Background - Existing Bitters Pump Station



Central Water Integration Bitters Pump Station & Segment 5-3

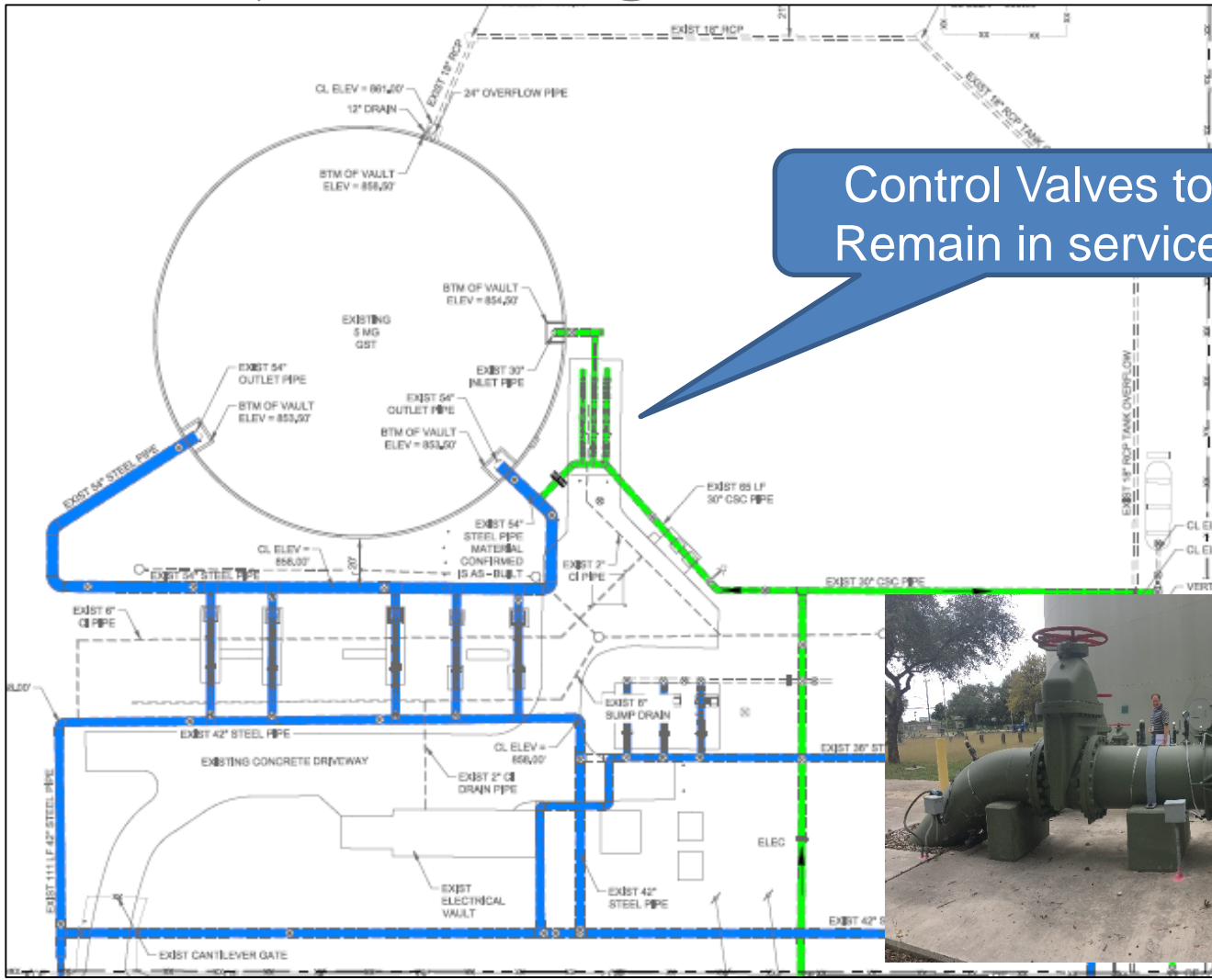
Project Background - Existing Bitters Pump Station



Existing
Surge
Tank

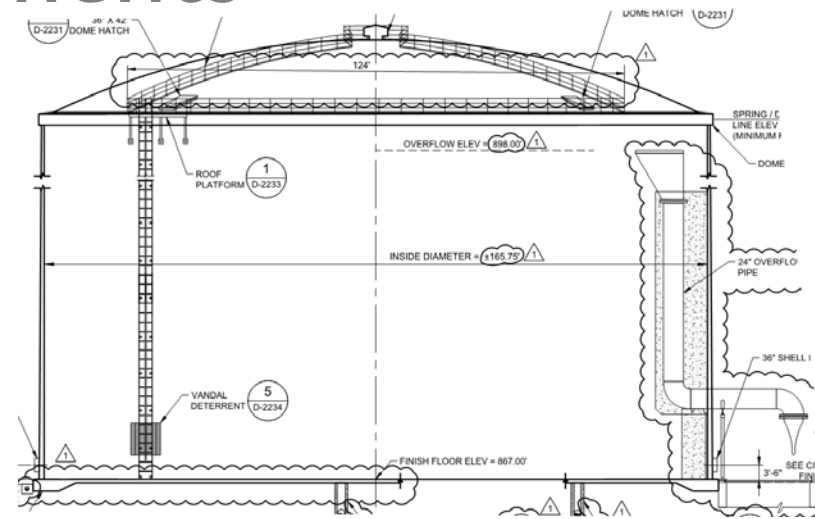
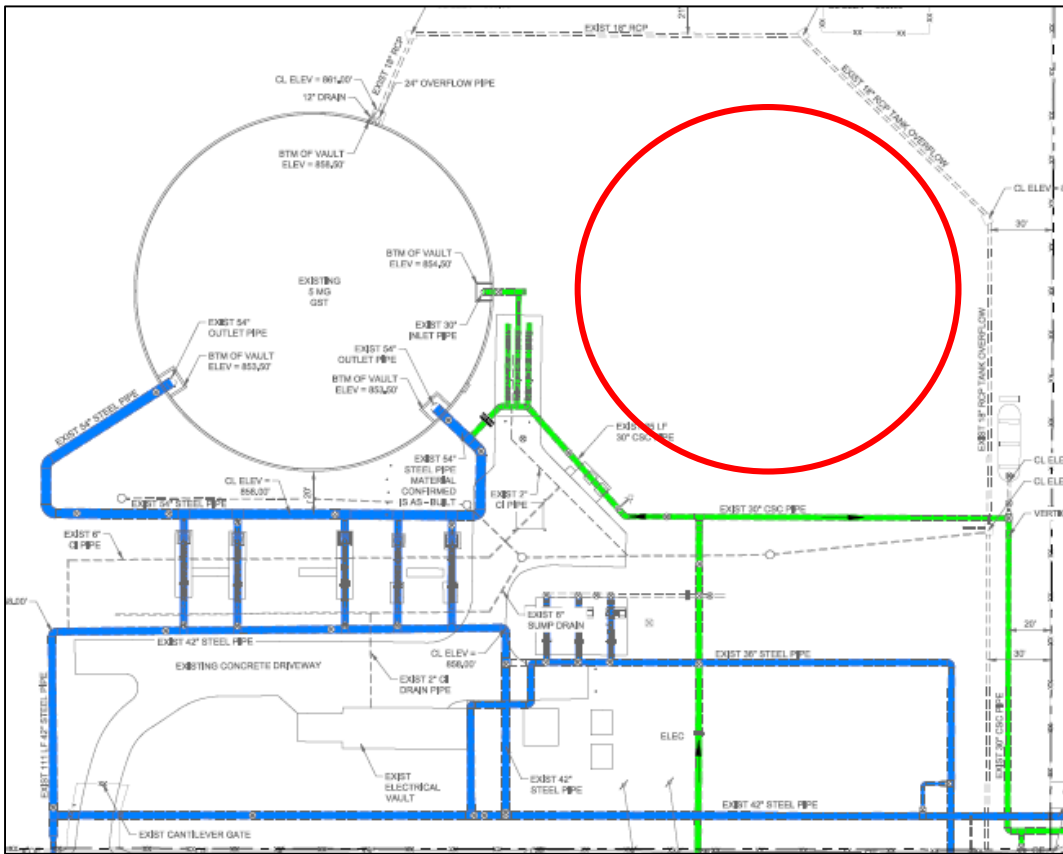


Project Background - Existing Bitters Pump Station



Bitters Pump Station Improvements

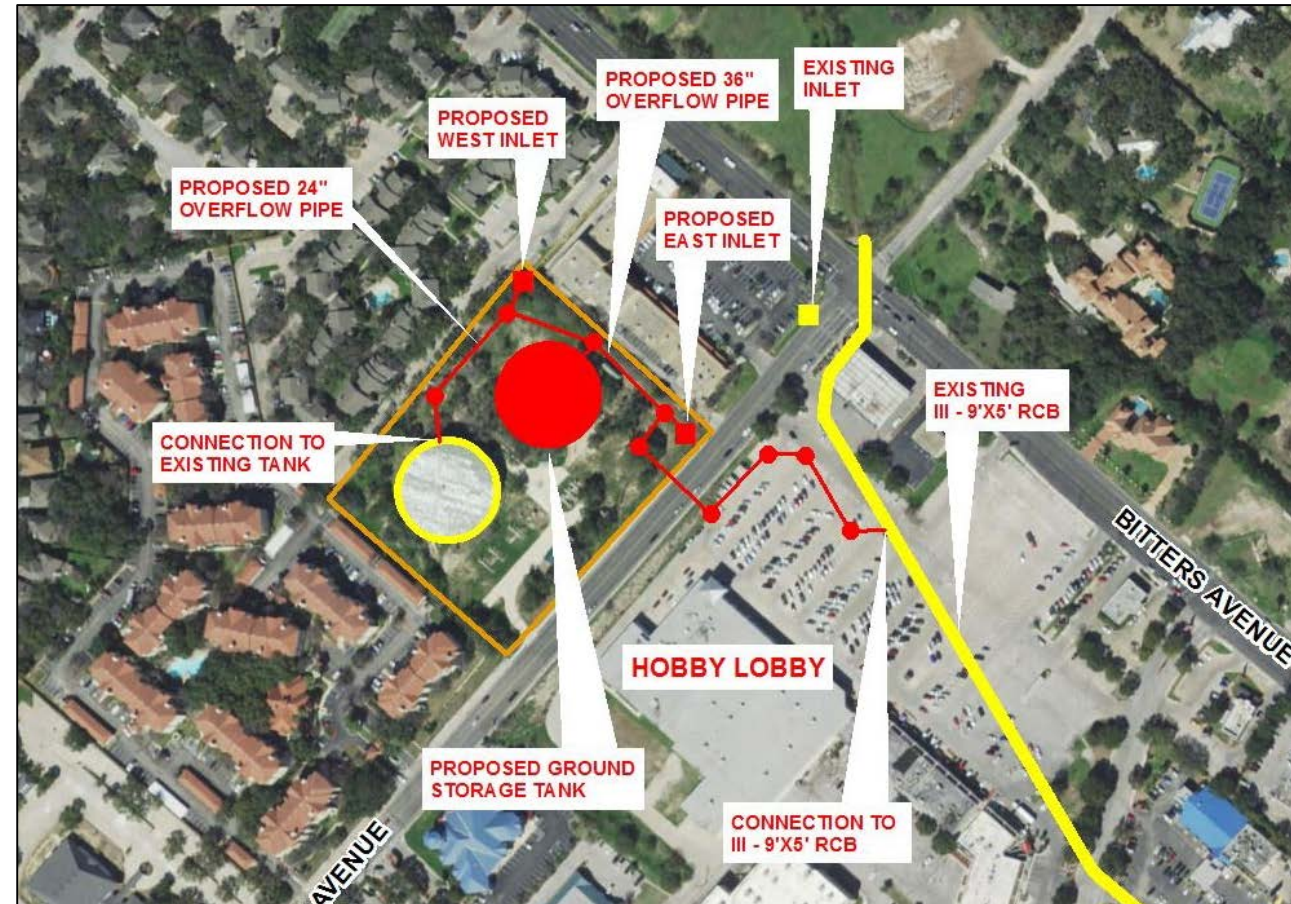
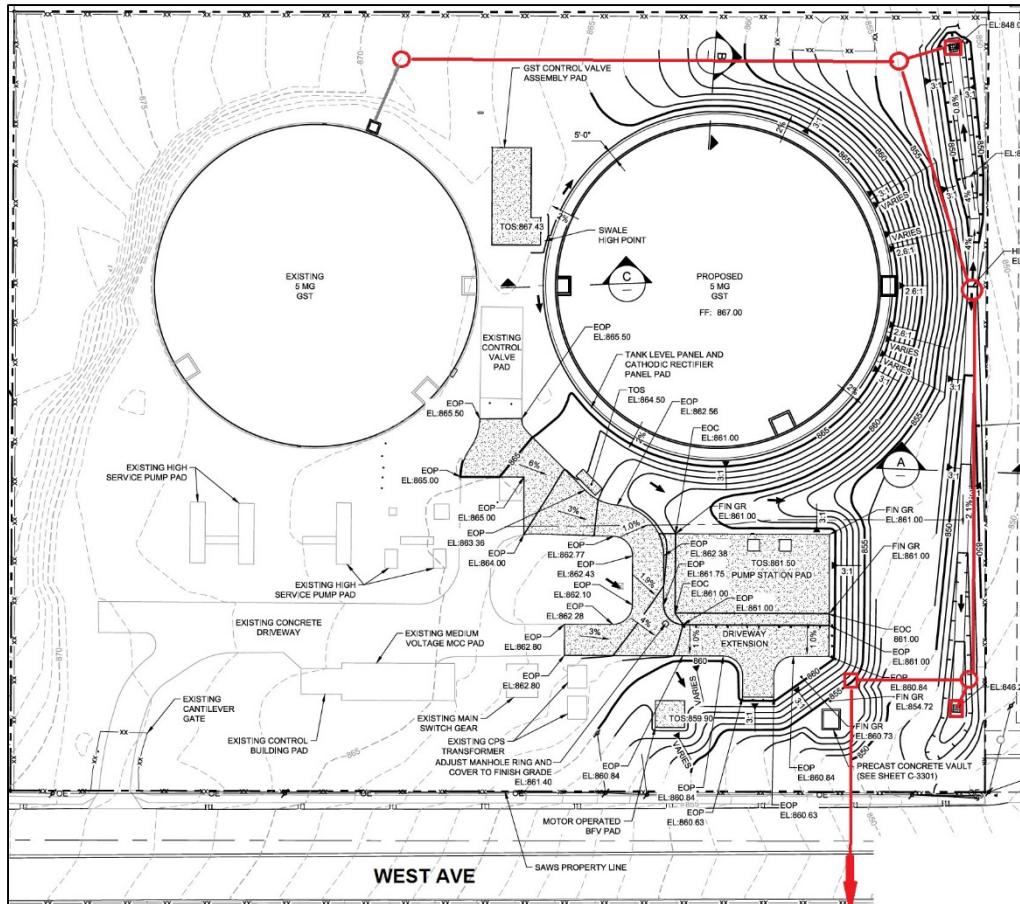
New 5 MG Ground Storage Tank (GST)



- Tank diameter = 165.75 ft
- Sidewall height = 32.00 ft
- Finished floor elevation = 867.00 ft
- Max height limit including dome and all tank appurtenances
- Minimal Dome rise 1:16 (Standard dome rise of 1:10)
- Reduced size of center vent and add periphery vents

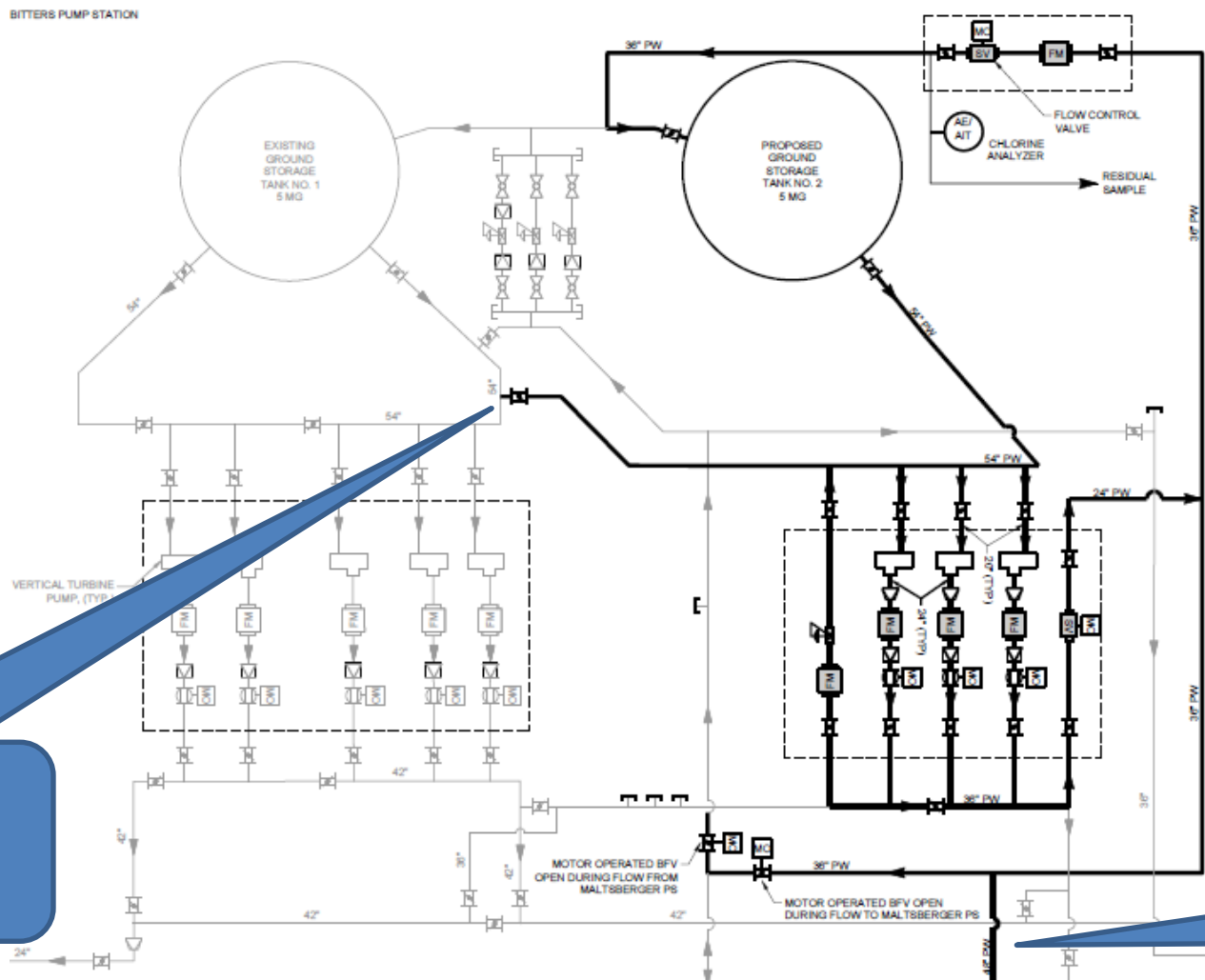
Bitters Pump Station Improvements

Site Grading/Drainage and 36" Overflow Pipeline



Bitters Pump Station & Segment 5-3 Improvements

Pipelines

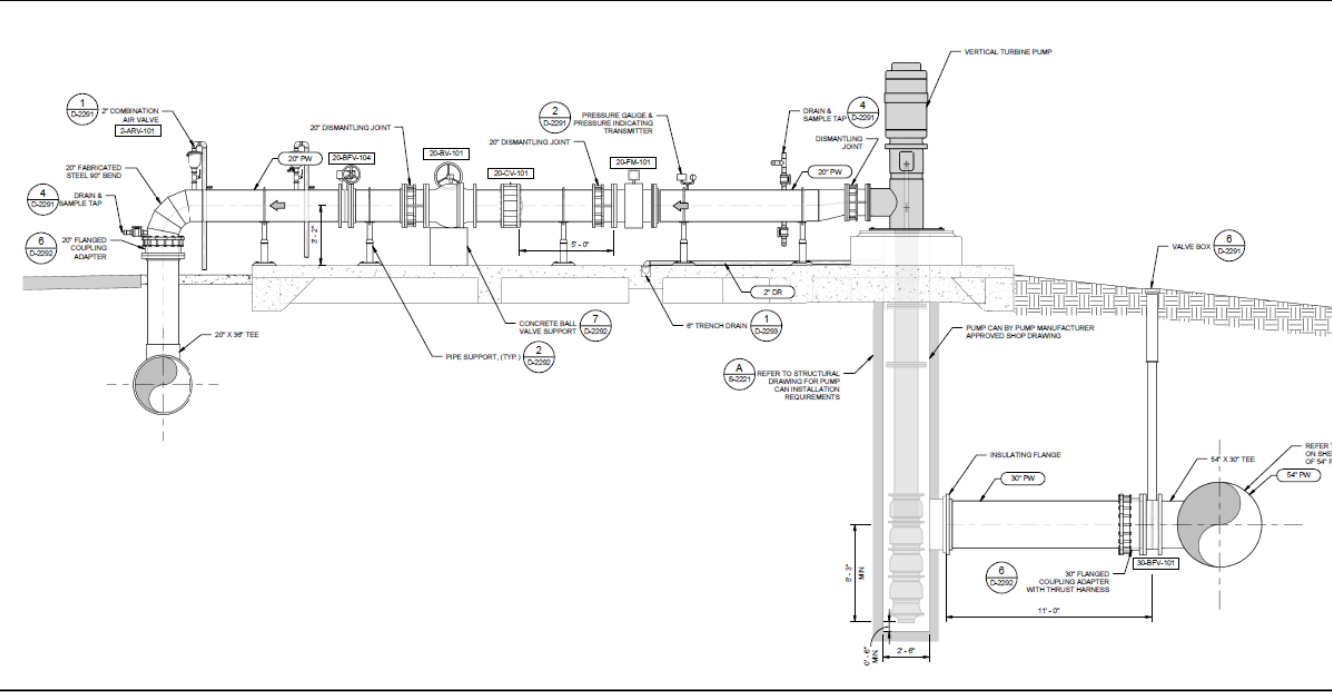
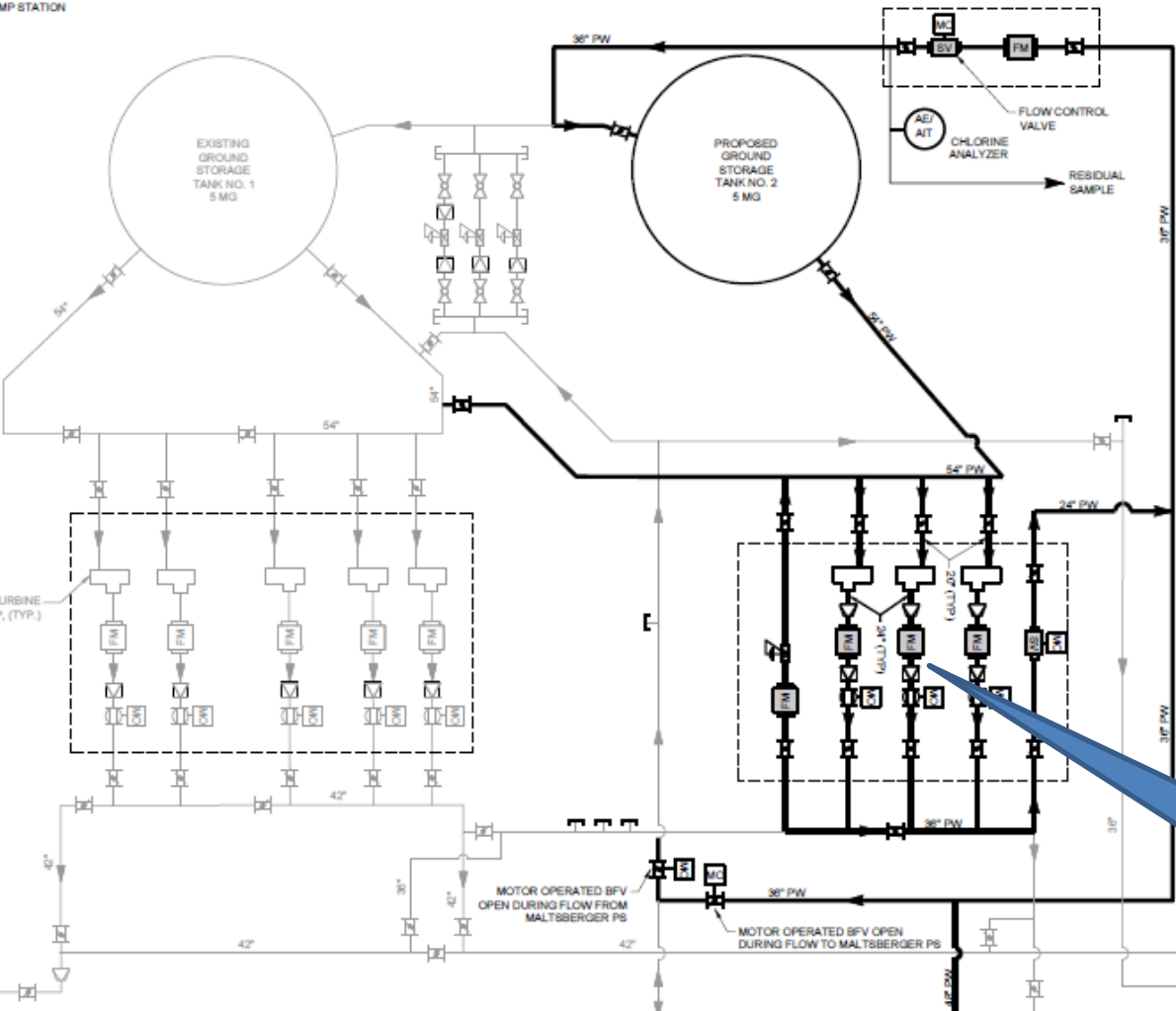


54" Tank Outlet Connection

36" Pipeline

48-inch transmission line (Segment 5-3)

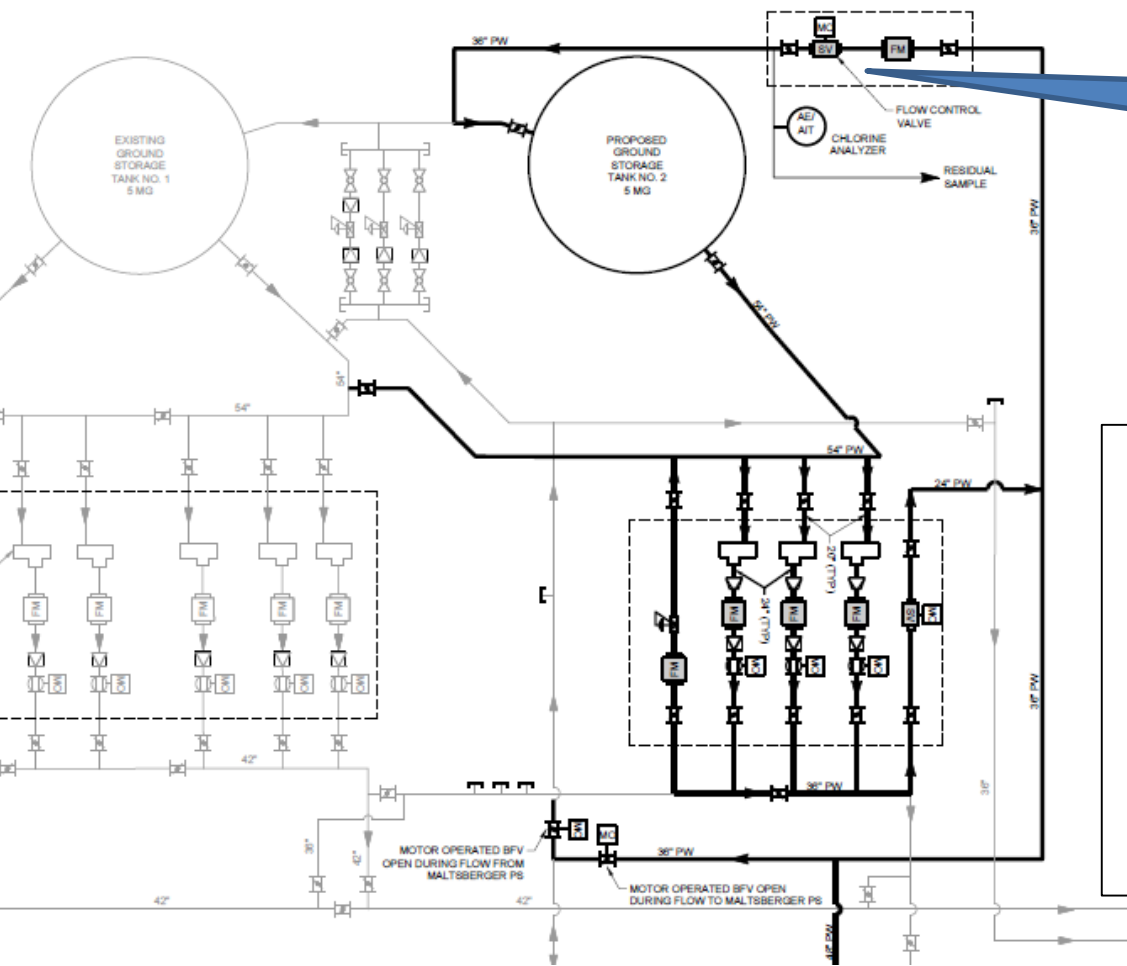
Bitters Pump Station & Segment 5-3 Improvements



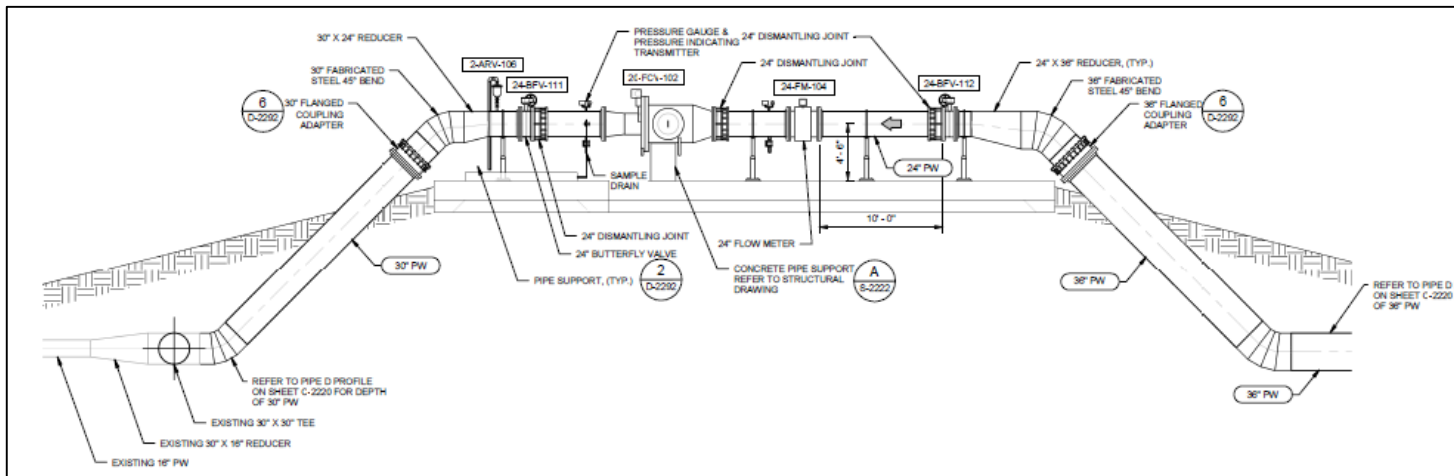
New 30 MGD Vertical Turbine Pump Station



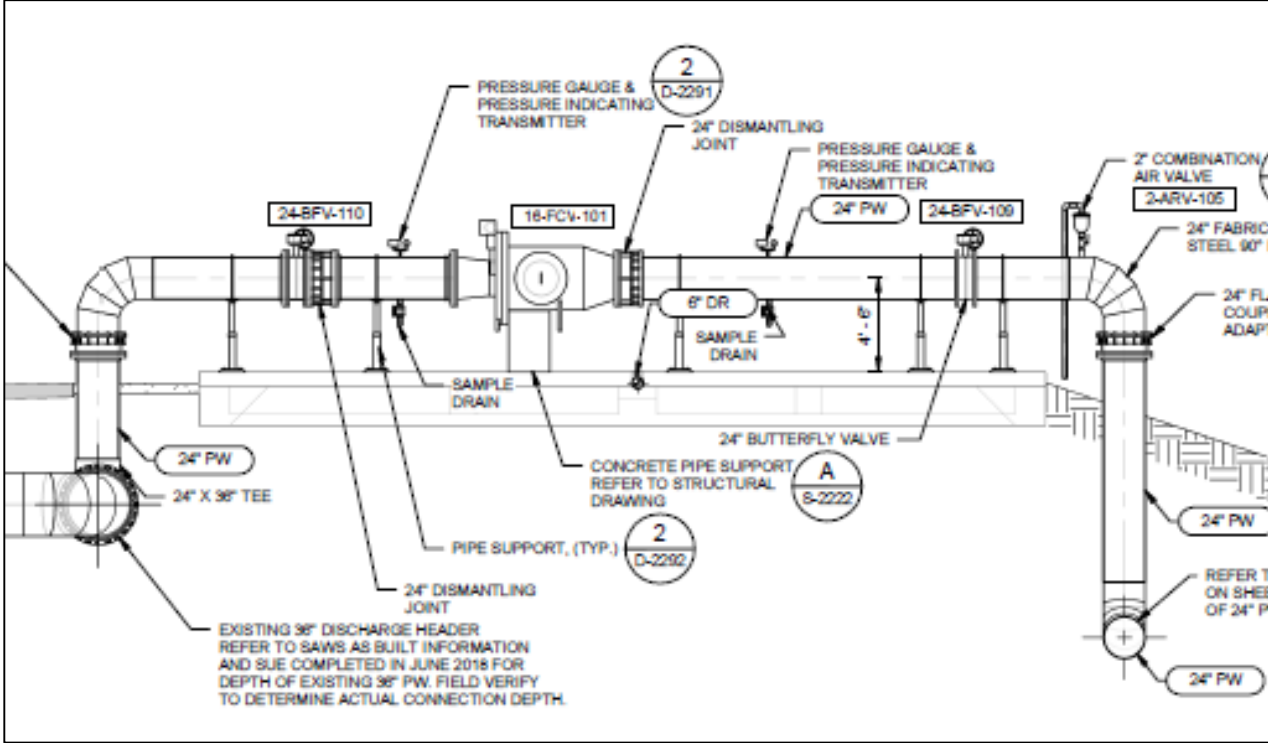
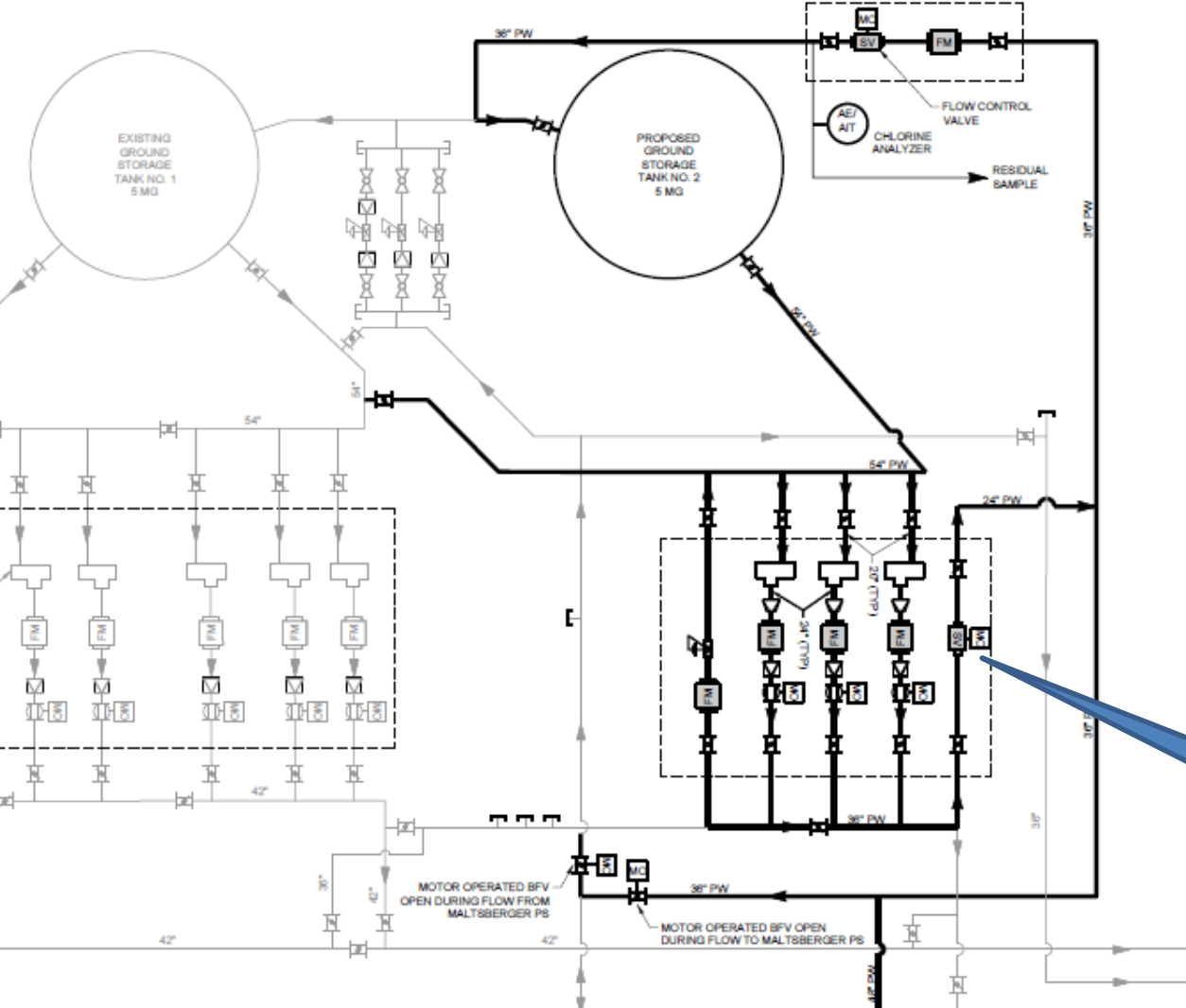
Bitters Pump Station & Segment 5-3 Improvements



Inlet Flow Control Valve Assembly



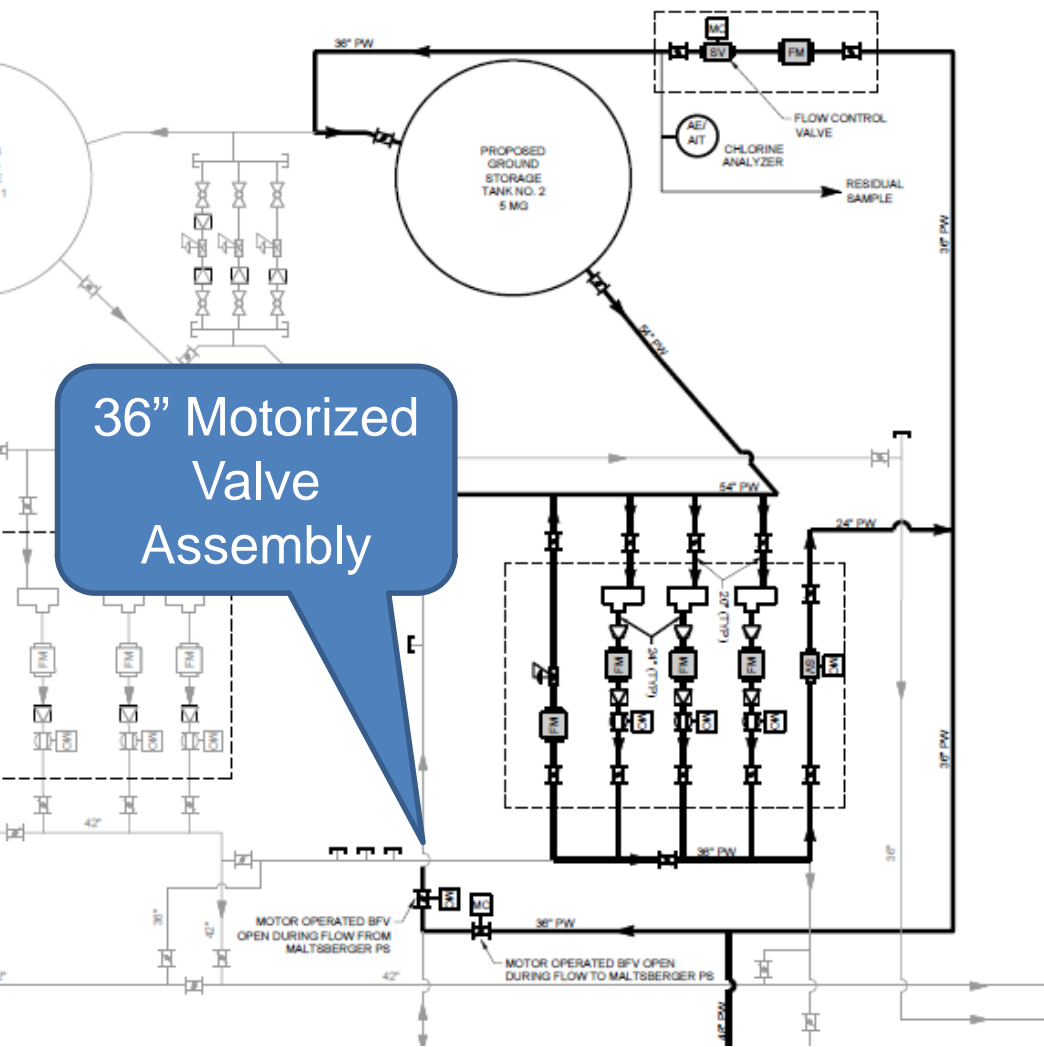
Bitters Pump Station & Segment 5-3 Improvements



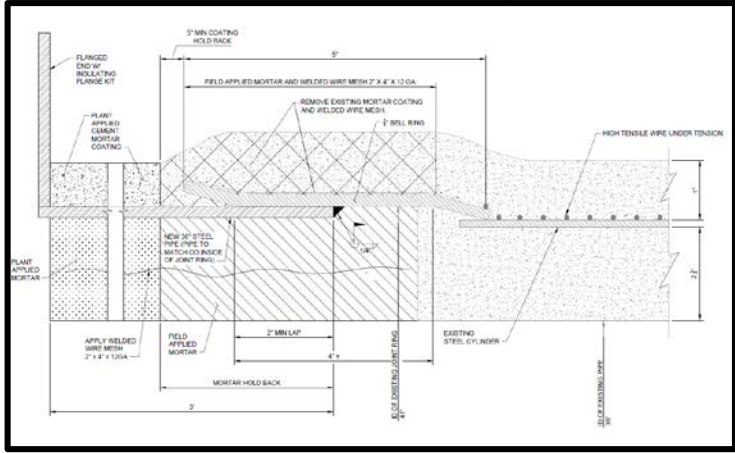
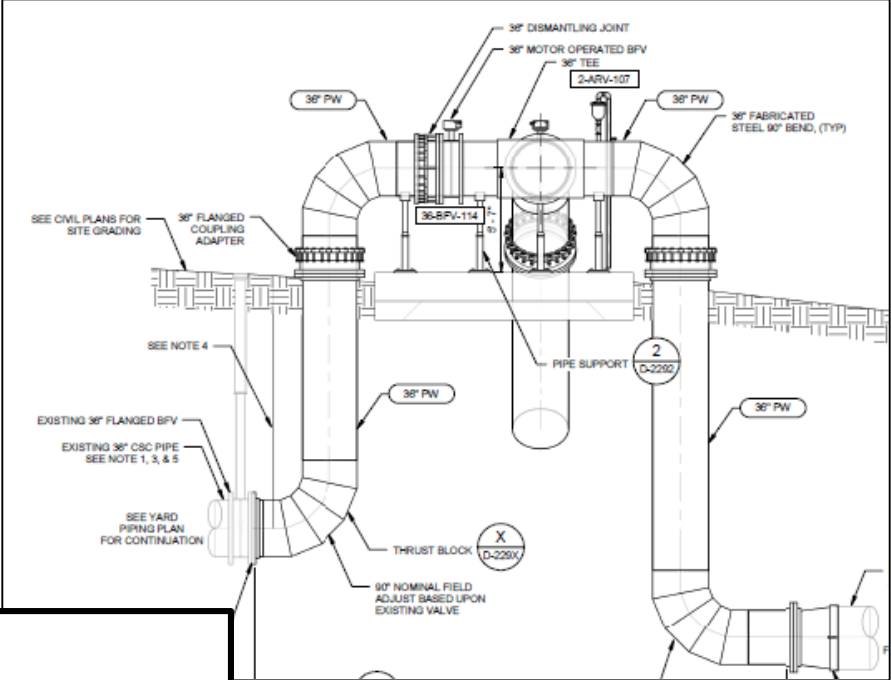
Return Flow Control Valve



Bitters Pump Station & Segment 5-3 Improvements

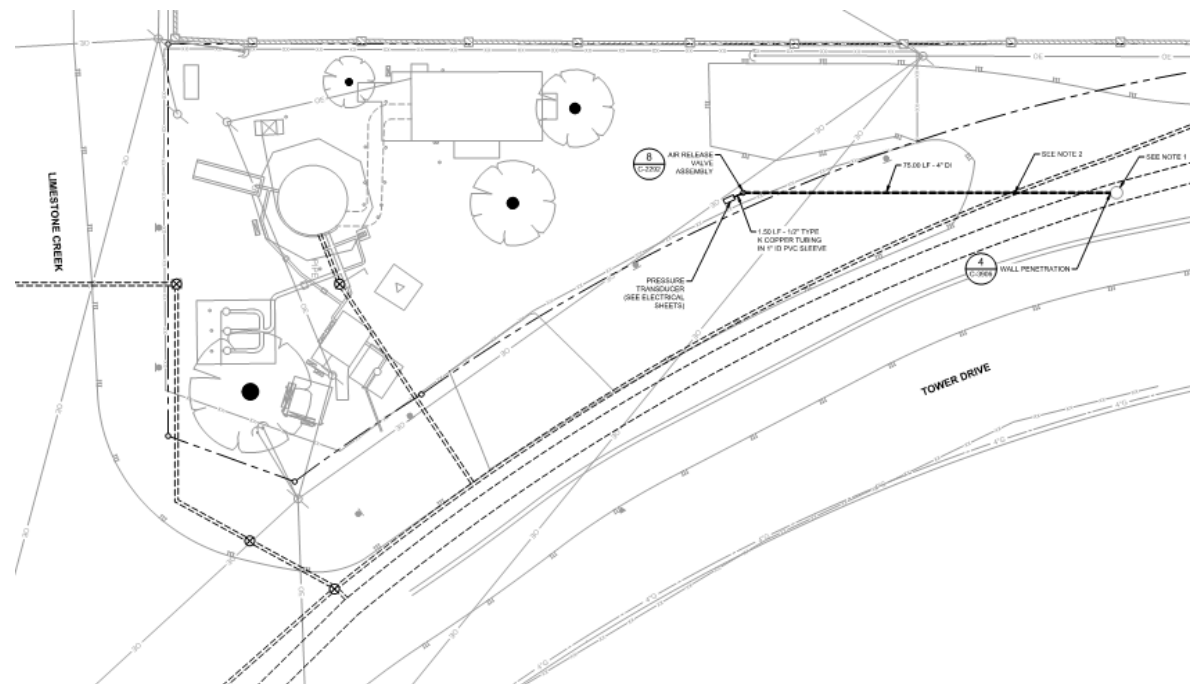


36" Motorized Valve Assembly



Tower Drive Tank Site

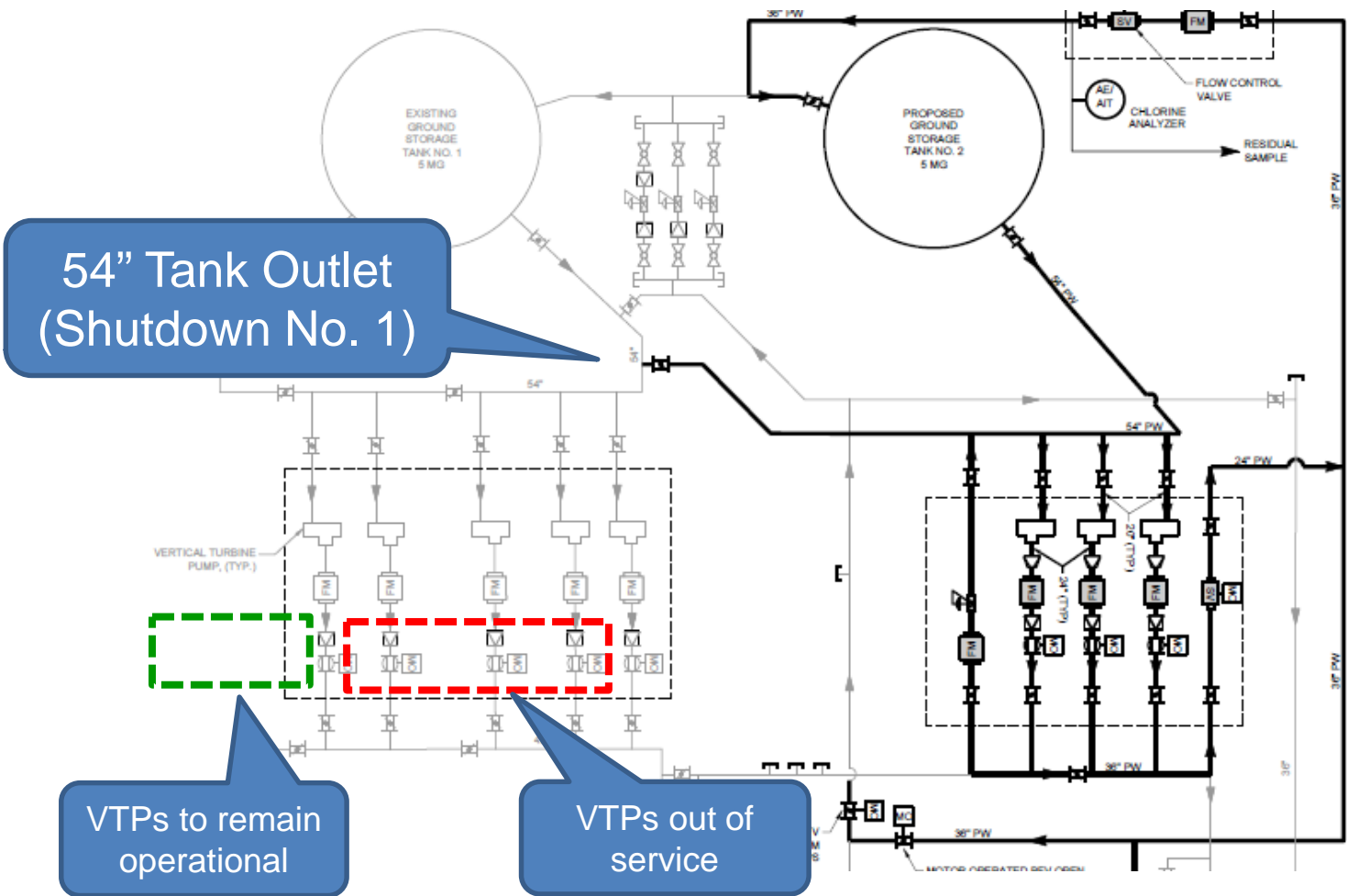
Pressure Transmitter and Air Relief Assembly



Bitters Pump Station & Segment 5-3 Improvements

54" Tank Outlet - Shutdown Connection No. 1

- Partial shutdown not to exceed 3 days during winter months or 24 hours during summer months
- During partial shutdown HSP No. 3, HSP No. 4, and HSP No. 5 will be out of service. HSP No. 1 and HSP No. 2 will remain operational



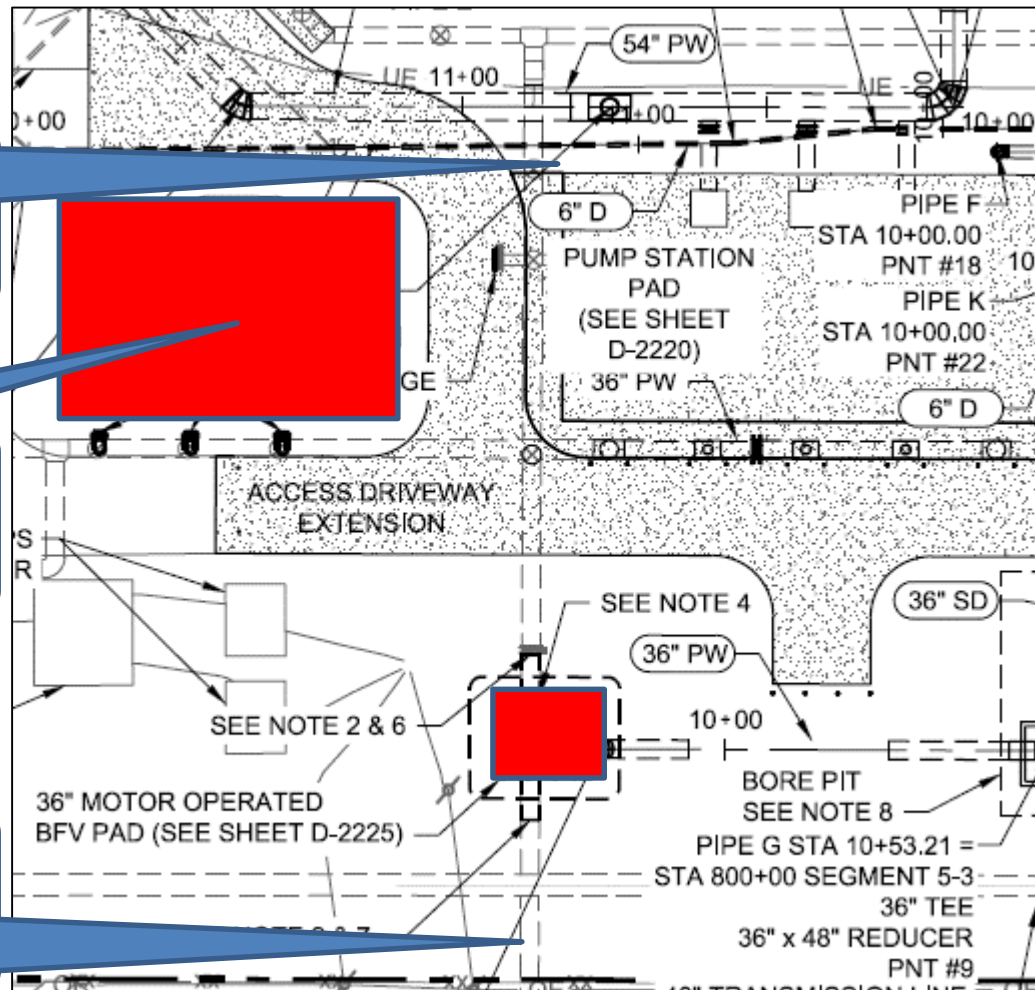
54" Tank Outlet (Shutdown No. 1)

VTPs to remain operational

VTPs out of service

Bitters Pump Station Improvements

36" Motorized BFVs Assembly – Shutdown Connection No. 2



Close existing 36" BFV

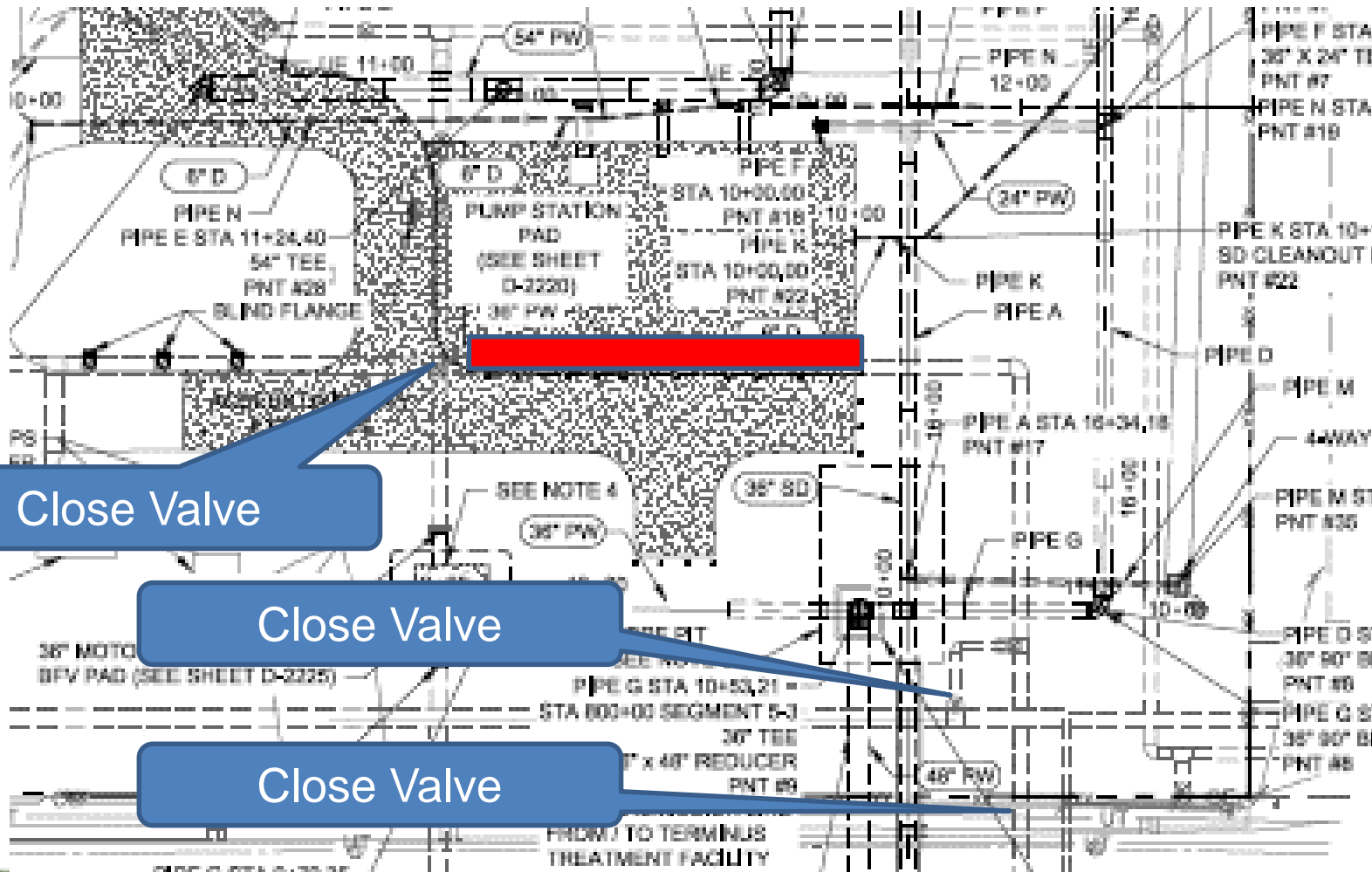
Existing Booster Pump Station to be out of service

Close next downstream valve towards Maltzberger

- The existing booster pumps will be out of service
- The duration for the shutdown shall not exceed 24 hours and shall occur during the winter months (October through March)

Bitters Pump Station & Segment 5-3 Improvements

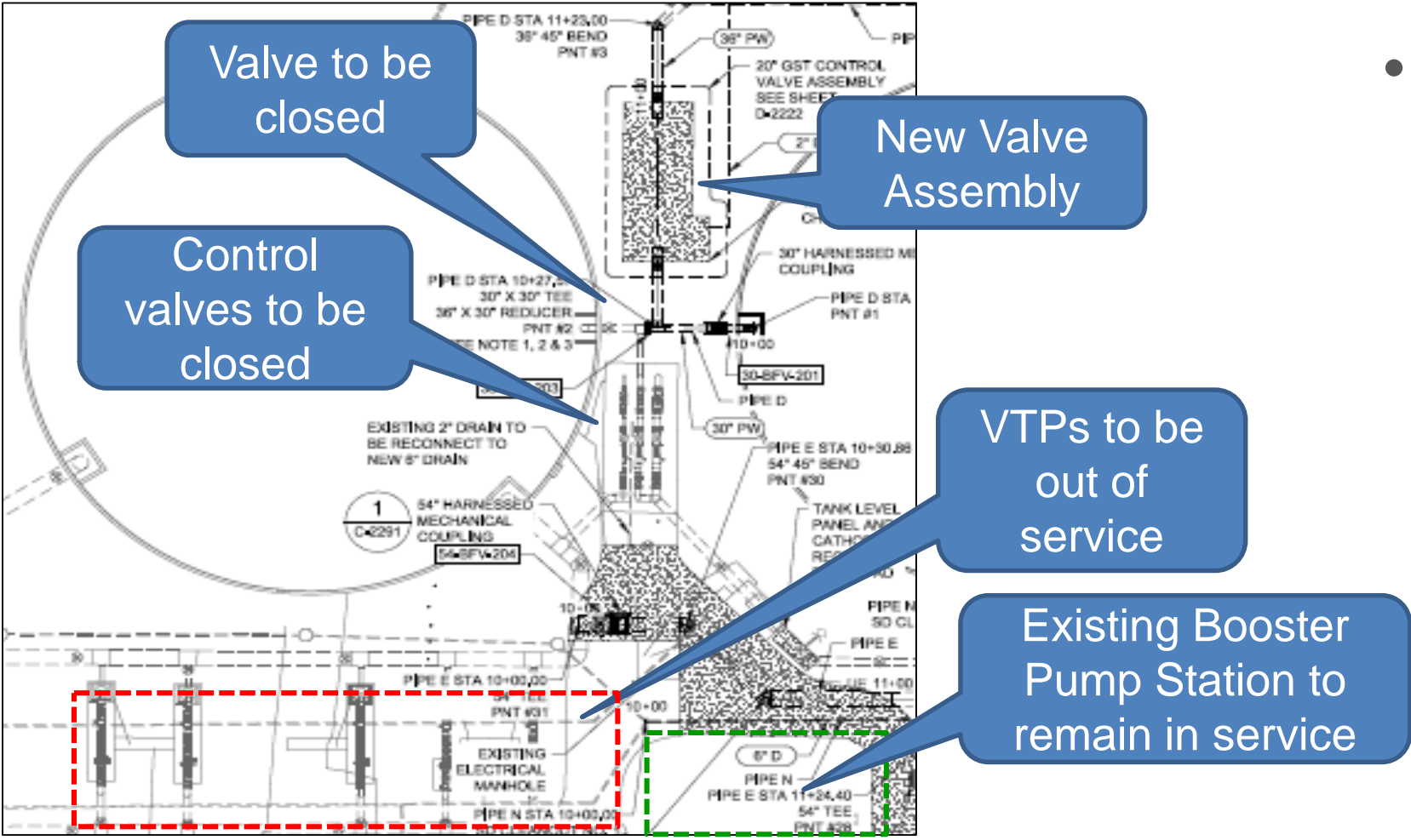
36" Pump Station Discharge Header – Shutdown Connection No. 3



- The duration for the shutdown shall not exceed 24 hours and shall occur during the winter months (October through March)

Bitters Pump Station Improvements

GST Inlet Connection – Shutdown Connection No. 4

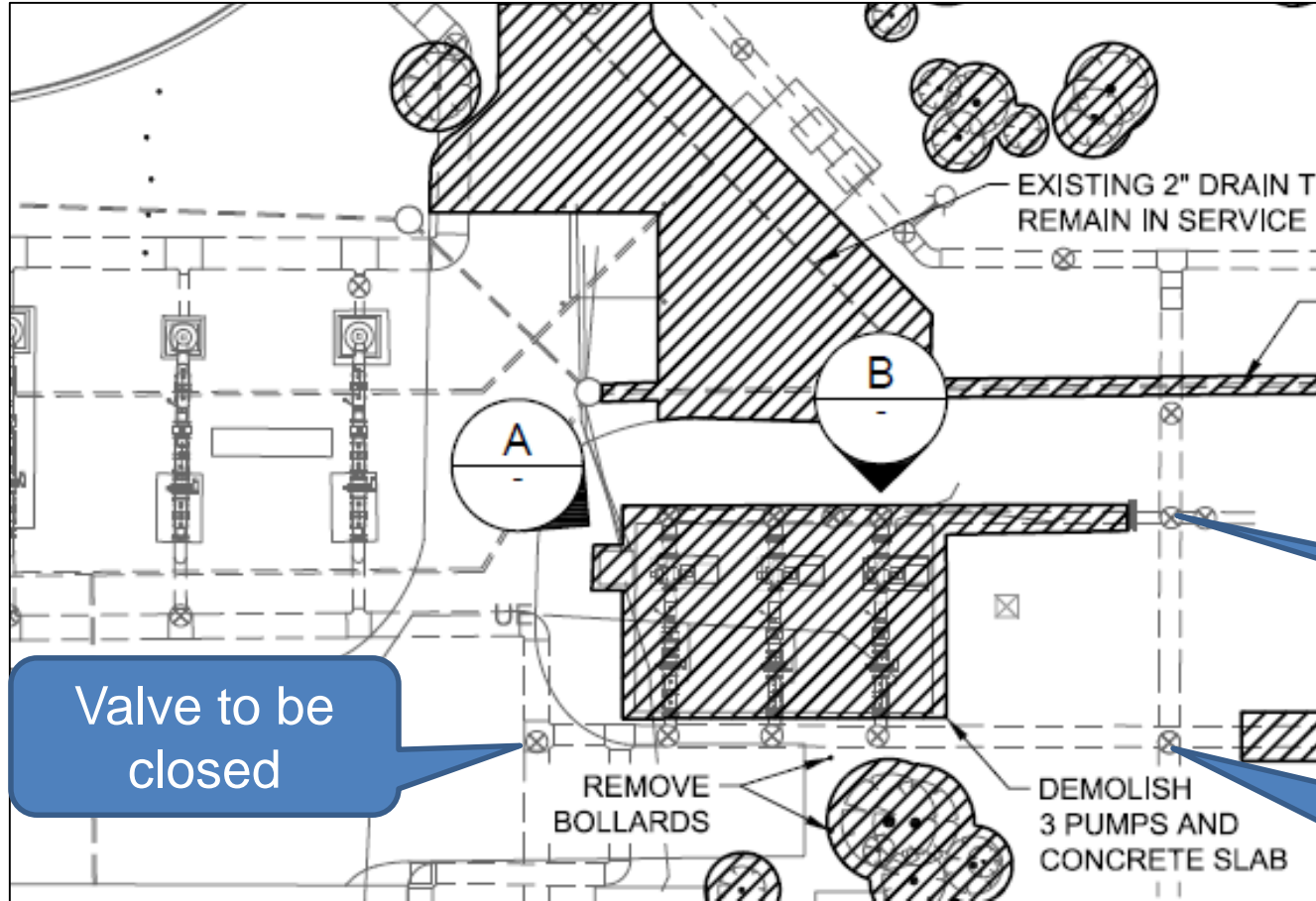


- The duration for Shutdown Connection No. 4 shall not exceed 3 days and shall occur in the winter months (October through March).



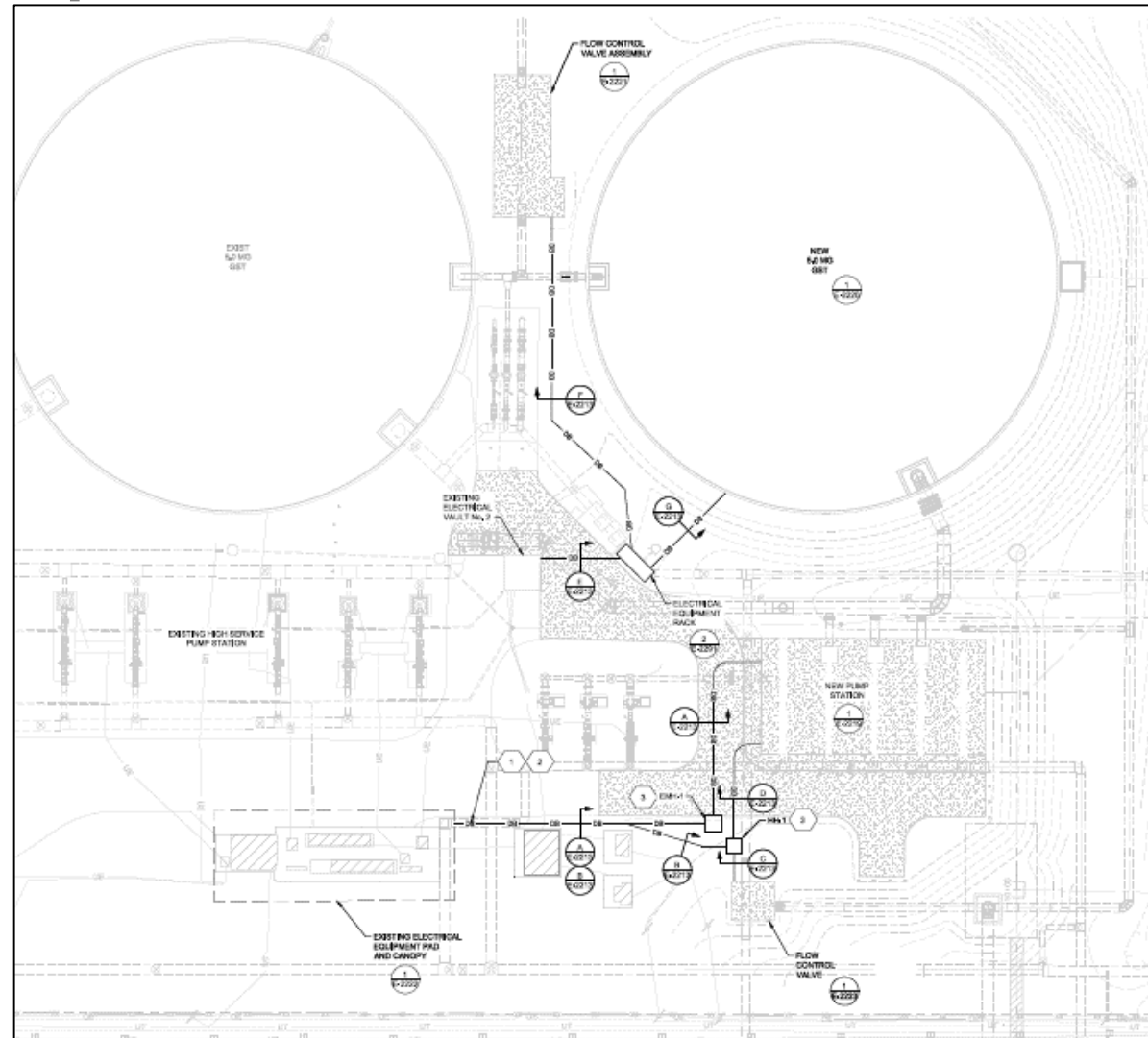
Bitters Pump Station & Segment 5-3 Improvements

Booster Pump Station Demolition – Shutdown Connection No. 5



- The existing HSP station and the new pump station shall be operational during Shutdown Connection No. 5.
- The duration for Shutdown Connection No. 5 shall not exceed 2 days.

Electrical Improvements – Overall Site Plan



Central Water Integration Bitters Pump Station & Segment 5-3

Segment 5-3 Pipeline



Segment 5-3 Pipeline

Key Issues

1. Construction Phasing through Hobby Lobby Parking Lot – See Appendix A
2. Work Requirements within Hobby Lobby Parking Lot – See Section 01015 Use of Premises
 - Temporary fencing
 - Maintaining traffic flow
 - Temporary striping and signage
 - Street Sweeper

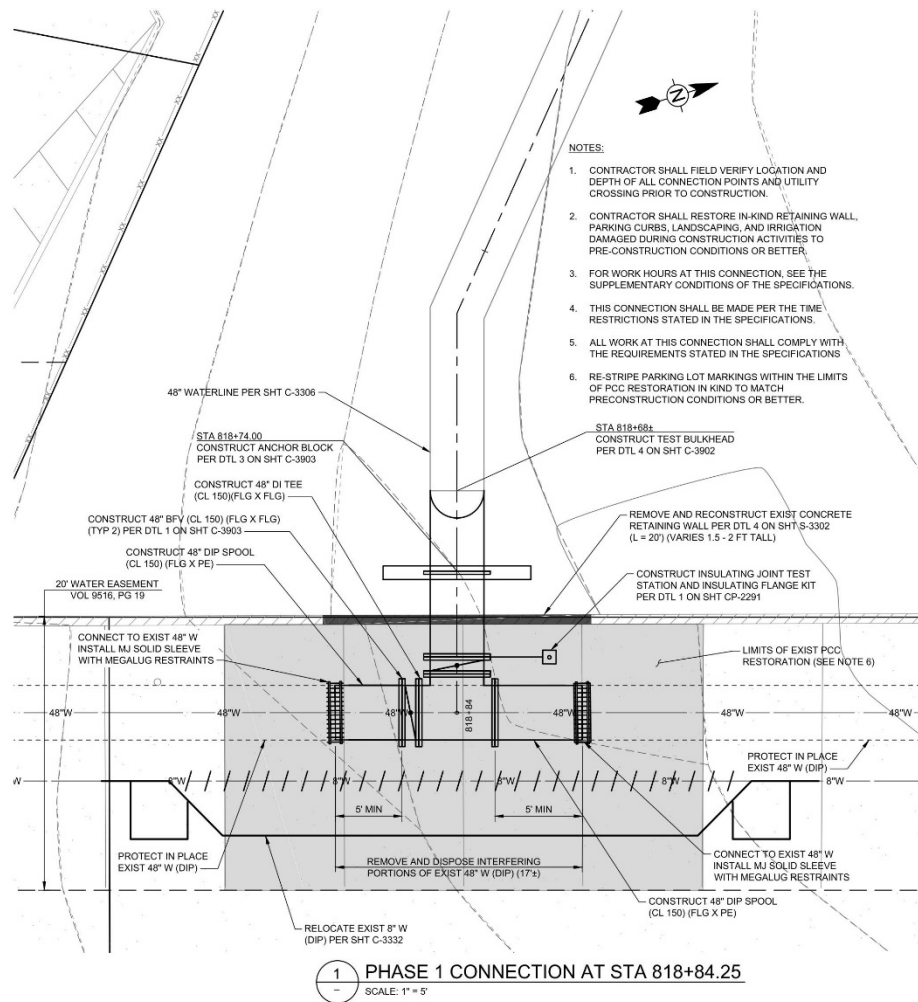
Segment 5-3 Pipeline

Key Issues

3. Work Requirements within Aspen Wellfield– See Section 01015 Use of Premises
 - Secure the site at all times with temporary fencing
 - Maintaining access
4. Connection to Existing 48-inch Pipeline
 - Coordinated with Pipeline Segment 5-1
 - 3 weeks notice
 - Performed between January and February 2019
 - Performed over a weekend (Friday 10 pm to Monday 5 am)

Segment 5-3 Pipeline

Connection to existing 48-inch pipeline



Cost Estimate

\$15,700,000.00

Any Questions of Items Discussed Up to This Point?

- Remember: Submit Questions in Writing

CENTRAL WATER INTEGRATION PIPELINE BITTERS PS & SEGMENT 5-3

Linda Bevis, P.E.

Manager – Engineering

Alissa Lockett, P.E.

Director – Engineering

Jessica Goforth

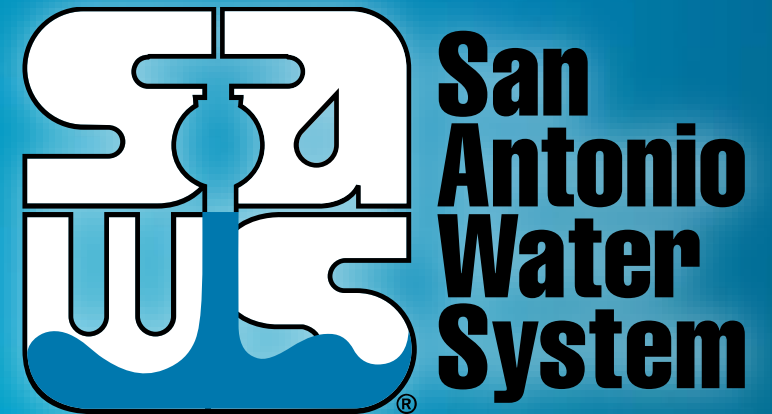
Contract Administrator

Diana Woltersdorf

Manager - Contract Administrator

Susan Rodriguez

SMWVB Program Specialist



Non-Mandatory Pre-Bid Meeting

August 2, 2018 at 10:00 am

MAKING SAN ANTONIO
WATERFUL

