

Central Water Integration Pipeline Maltsberger Tank Rehabilitation

Linda Bevis, P.E.

Manager – Engineering

Alissa Lockett, P.E.

Director – Engineering

Jessica Goforth

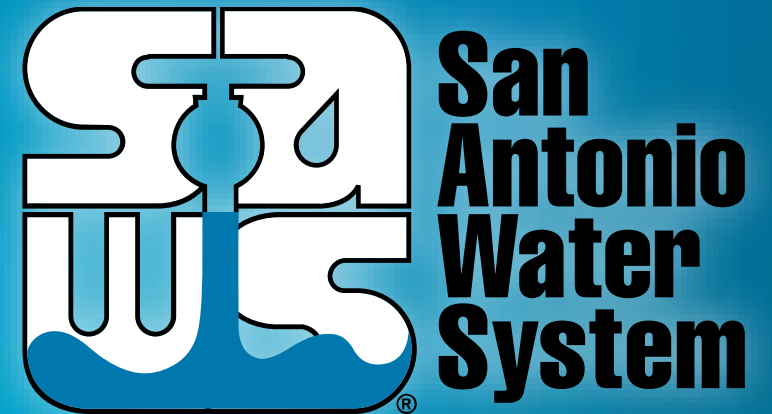
Contract Administrator

Diana Woltersdorf

Manager – Contract Administration

Susan Rodriguez

SMWVB Program Specialist



Non-Mandatory Pre-Bid Meeting

July 11, 2018 at 1:00PM

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Oral Statements

- Oral statements or discussion during the pre-bid meeting today will not be binding, nor will it change or affect the terms or conditions within the Plans and Specifications of these Projects. Changes, if any, will be addressed in writing only via an Addendum.

Sign-In Sheet

- This is a non-mandatory pre-bid meeting
- Attendees should provide their contact information on the sign-in sheet
- The sign-in sheet and this PowerPoint presentation will be posted to the SAWVS website after the completion of the meeting

Agenda

- Contract Requirements
- Small, Minority, Women and Veteran-Owned Business (SMWVVB) Requirements
- Bid Packet Preparation
- Key Dates
- Project Information
- Questions

Contract Requirements

Prevailing Wage Rate and Labor Standards – Section 2.10 of the General Conditions

- Contractors will submit certified payroll (CP) through LCP Tracker software
 - CP must be submitted on weekly basis
- Wage decisions for this project are included within the specifications*
- Site visits by SAWVS staff are random and unannounced
 - Interviews with employees are private & confidential
- CP records are subject to review
- All apprenticeship programs must be approved by Department of Labor prior to starting work on the project
- Contractors are responsible for sub-contractor payroll
- Submitting certified payroll late may delay payment to the Contractor

*Building wage decision will be updated via Addendum

Contract Requirements *(cont.)*

Insurance

- The standard insurance requirements apply to this project and can be found in Section 5.7 of the General Conditions
 - Please provide this information to your insurance agent
- Rigger's Liability is also required as part of this contract and can be found in Supplemental Conditions, Article V. section 5.7
- Contracting will request the certificate of insurance prior to Board award to expedite execution of the contract
 - Contractor's insurance should be compliant for all other SAWWS projects
 - Contractor's insurance must be compliant prior to executing the contract

Contract Requirements *(cont.)*

- Substantial completion for this project 180 calendar days and final completion is 210 days
- Per Supplemental Condition to 8.6 of the GCs, liquidated damages will be assessed as follows:
 - Substantial Completion past 180 calendar days \$1000/day
 - Substantial Completion > 60 days \$1500.00/day
 - Final Completion past 210 calendar days \$1500.00/day

SMWVVB Program Aspirational Goal

Industry	SMWVVB Goal	Description
<p>Heavy Civil/Utility Construction</p>	<p>20%</p>	<ul style="list-style-type: none"> • Typically: Low-Bid • Rarely: CMAR, Design-Build, or RFCSP

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)**

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**

Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**

A: No, but we ask primes to do their best with good faith outreach efforts. If the goal is not met, proof of outreach efforts is required with the bid.

- **Q: What if I am having trouble finding SMWB subcontractors?**

A: Please email the SMWVB Specialist, Susan Rodriguez – susan.rodriquez@saws.org with the scopes of work you are seeking. You will receive lists of local SMWVB-certified firms to contact.

Good Faith Effort Plan (GFEP) FAQs

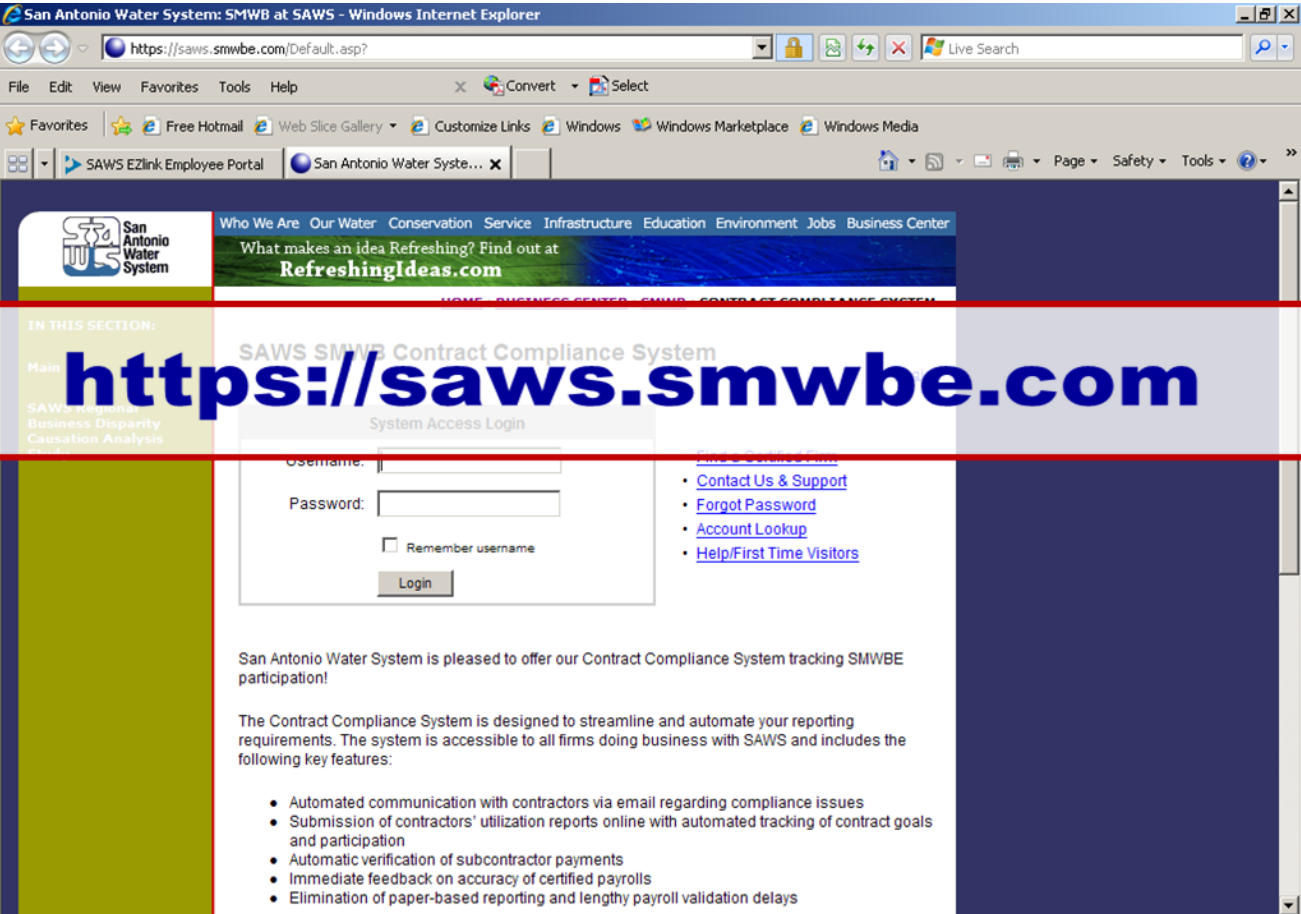
- **Q: What if my business is SMWVB-certified? Do I need to find SMWVB subs?**

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.Rodriguez@saws.org. GFEP questions can be asked at any time before deadline.

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 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

Central Water Integration Pipeline Maltzberger Tank Rehabilitation

SMWVB Questions

- SMWVB questions may be asked at anytime during the solicitation period, including the day bids are due:
- The SMWVB Program Specialist's contact information is:

Susan Rodriguez

Telephone: 210-233-2950

Susan.Rodriguez@saws.org

Contractor Experience

Special Condition 4.0

- To submit a bid for this project the lowest responsible contractor must have:
 - Successfully completed at least five (5) 5.0 MG (or larger) ground storage tank rehabilitation projects in the last 10 years
 - Provide documentation to substantiate the experience
 - To include name, company, phone number, and email address
 - Both for the Owner and Engineer who oversaw the projects

Bid Packet Preparation

- Utilize the Bid Packet Checklist found in the specifications to ensure all required items are submitted with the bid
- SAWWS is requesting several items to be submitted with the bid that would typically be provided at a later date by the apparent low bidder (see page SS-I change to IB-7)
- Double check all mathematical calculations and verify all extensions of price
- The bid proposal includes the Supplementary Unit Prices and should be added to the Base Bid for to obtain a Total Bid Price
- References and contact information should be verified by the Bidder prior to submitting to SAWWS in the bid packet
- Addendums are acknowledged on the Bid Proposal

Addendum(s)

- Q&A's will be post the Addendum on the SAWWS website on July 17, 2018 by 4:00 PM
- Check the SAWWS website regularly for the addendum posting.
- It is possible to have multiple addendums during the time frame in addition to the scheduled final addendum

Bid Opening /Deadline to Submit

- Deadline to submit a bid is **July 23, 2018 at 2:00 p.m.**
 - Late bids will not be accepted.
 - If mailing a bid, make arrangements ahead of time and notify Contract Administration directly
 - If delivering a bid in person or by courier, bids should be dropped off in this building at Counter Services (across from the guard station)

SAWS Vendor Registration & Notification (VRN)

- To obtain the latest information for this project and any future projects, register as a vendor, which will allow firms to:
 - Receive bid notices directly in their email “Inbox”
 - Download plans and specifications
 - Subscribe to specific bids for updates and receive addendum notification

http://www.saws.org/business_center/vendor/register.cfm

Questions

- Deadline to submit questions is July 13, 2018 by 4:00 p.m.
- Questions must be submitted in writing, by email or fax to:

Diana Woltersdorf

Contract Administration Department

San Antonio Water System

Diana.Woltersdorf@saws.org

Fax: 210-233-5218

Project Background

- Existing welded steel tank originally constructed in 1981
 - Volume = 7.5 MG
 - Diameter = 165.0 ft
 - Sidewall height = 48.5 ft
- Last rehabilitation work in 2001
 - Tank recoating completed
 - Aluminum geodesic dome installed
- Tank condition assessment performed in 2016
 - Multiple rehabilitation issues identified



Tank Exterior Coatings

- SSPC-SP 6 commercial blast cleaning and recoating
- Prime/stripe/intermediate/finish coats
- Exterior surfaces
 - Includes wind girder, piping, exposed concrete, ladder, manways, etc.
 - Excludes roof (aluminum geodesic dome)



Tank Interior Coatings

- SSPC-SP 10 near-white metal blast cleaning and recoating
- Single coat – 100% solids polyurethane
- All interior surfaces and support members
 - Includes tank floor
 - Excludes roof interior



Tank Floor Inspection

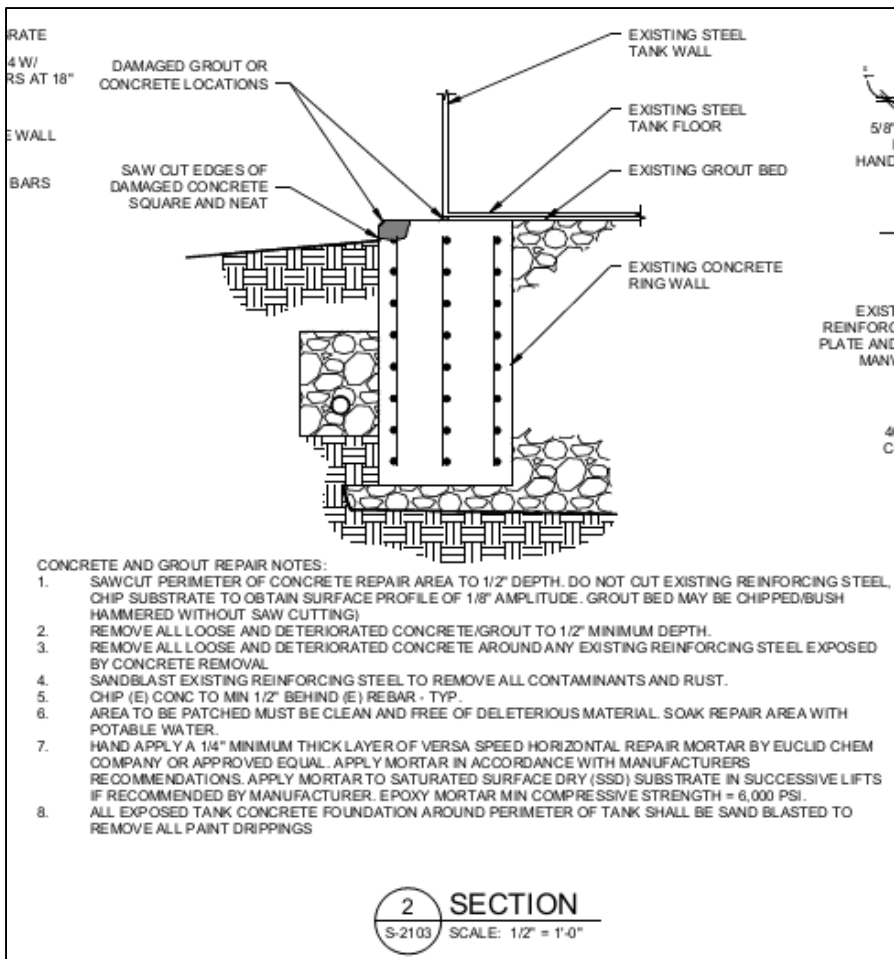
Metal Integrity Assessment

- Clean/pressure wash tank floor (prior to inspection)
- Visual inspection of tank floor
- Magnetic Flux Exclusion (MFE) to scan underside



Tank Foundation Repair

Concrete and Grout Repair



Manway Modifications

- Replace existing 24-inch manway
- Existing 36-inch manway



MANWAY #1

NOTES:

1. MANWAY SIZES: 36" Ø MANWAY
2. PROVIDE NEW 1/4" FULL FACE CLOTH - INSERTED GASKETS, S.S. NUTS, BOLTS & WASHERS AND REINSTALL FOR EACH EXISTING MANWAY.
3. INSTALL NEW "CONFINED SPACE" SIGNAGE FOR BOTH MANWAYS (ONE EXISTING, ONE NEW) PER OSHA REGULATIONS.
4. REMOVE ALL UNUSED NAMEPLATE BRACKETS FROM MANWAY REPAD SURFACE.



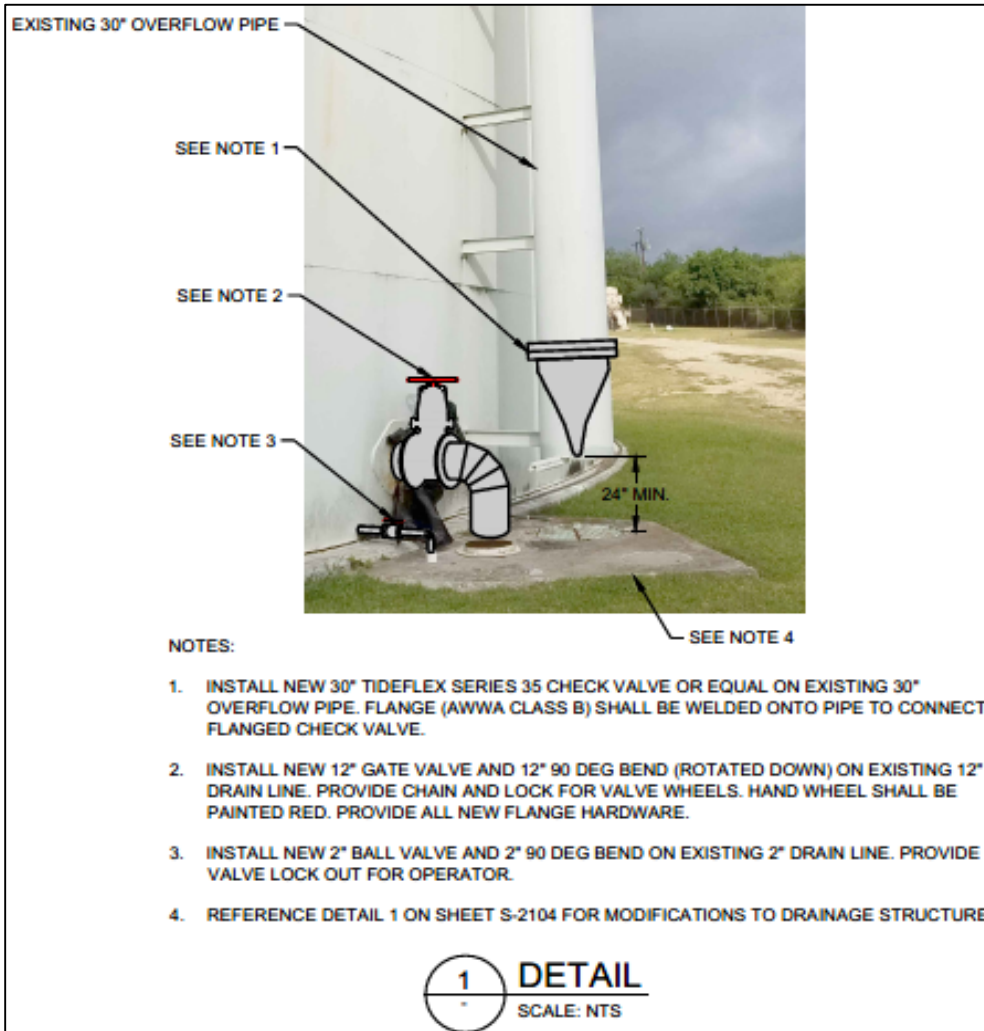
New Sample Tap

- Replace existing sample tap
- Plug unused sample tap



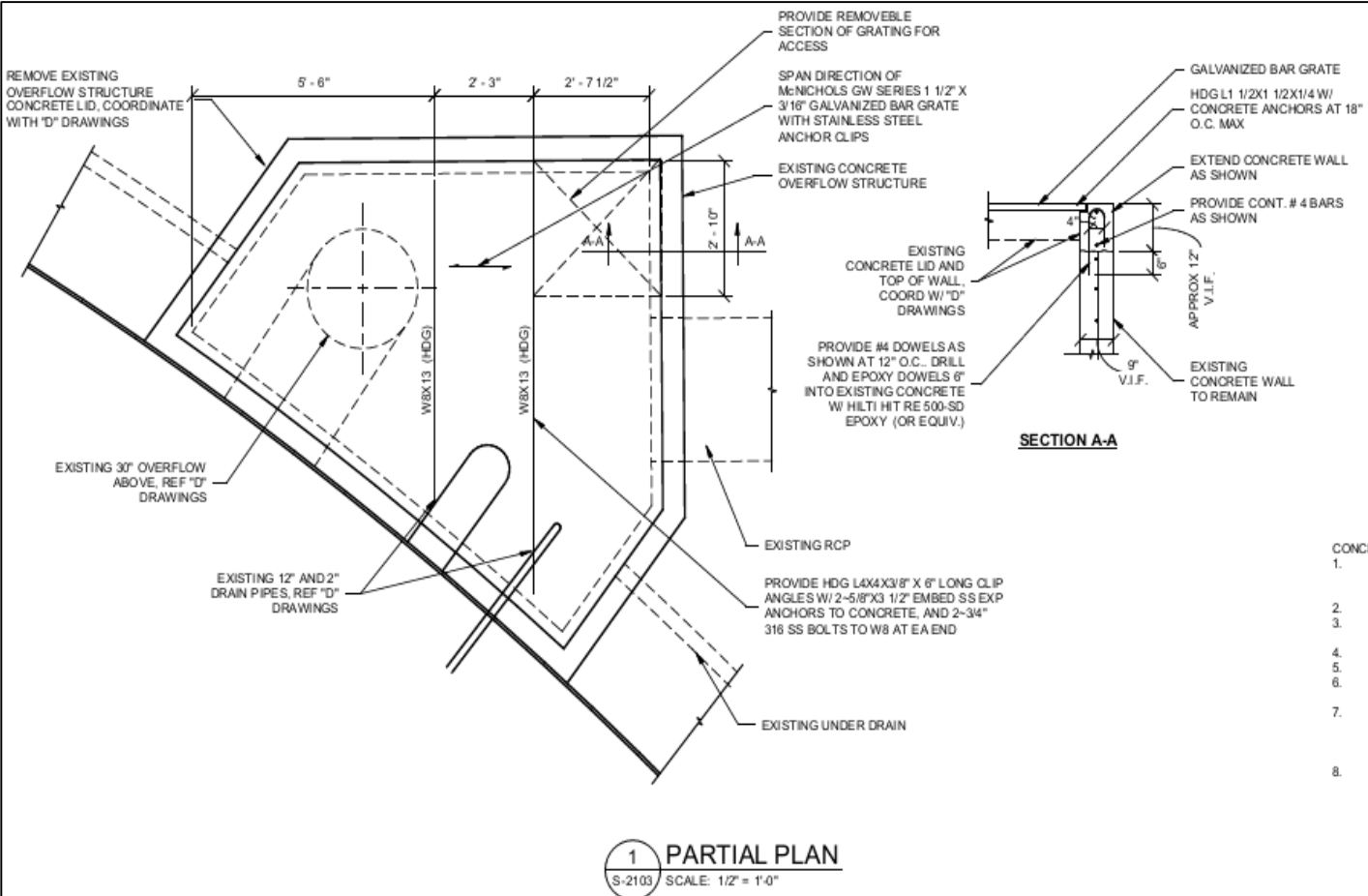
Overflow/Drain Pipe Upgrades

- New Tideflex Series 35 check valve
- New discharge valves for drain pipes



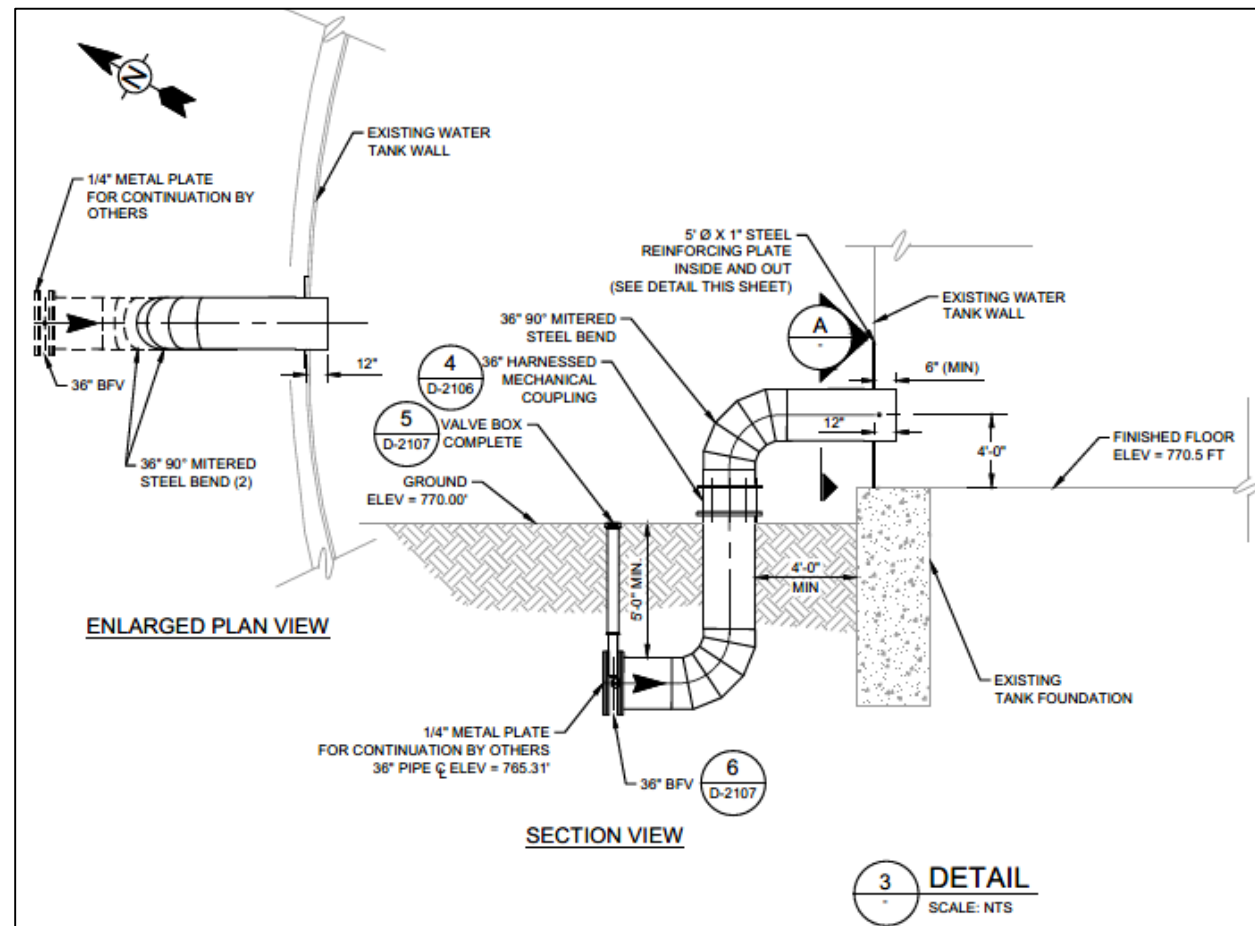
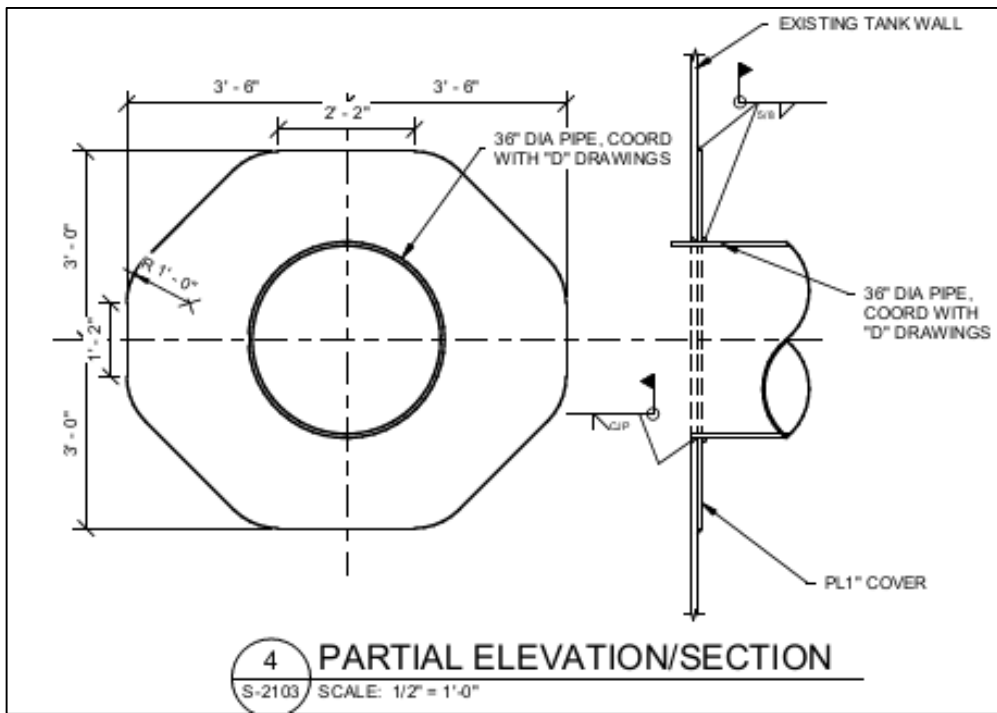
Drainage Structure Revisions

- Remove concrete lid
- Galvanized grating with removable section



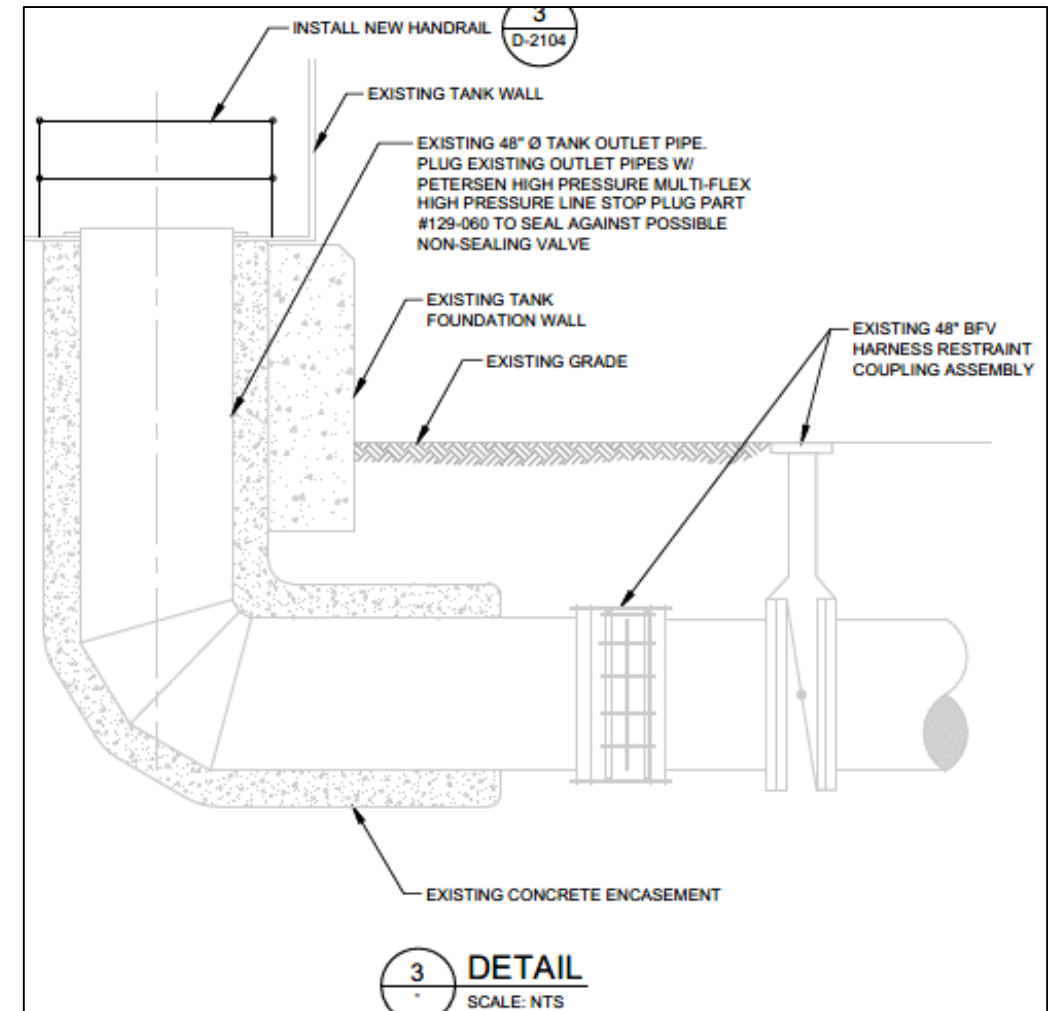
New 36-inch Inlet Pipe

- Tank sidewall entry
- Bitters PS interconnect



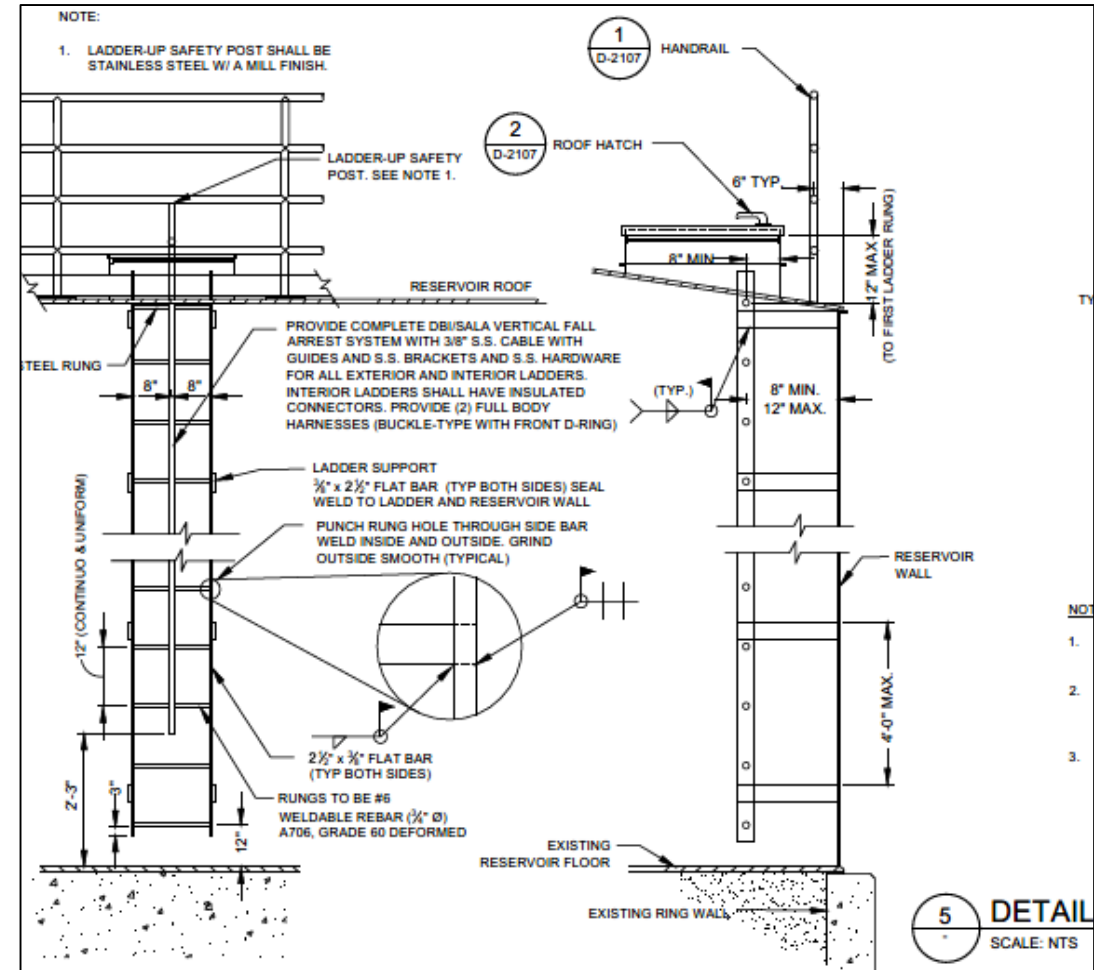
New 48-inch Outlet Valves

- Replace existing 48-inch outlet BFVs
- Provide temporary plug for 48-inch inlet line
 - For tank rehabilitation work



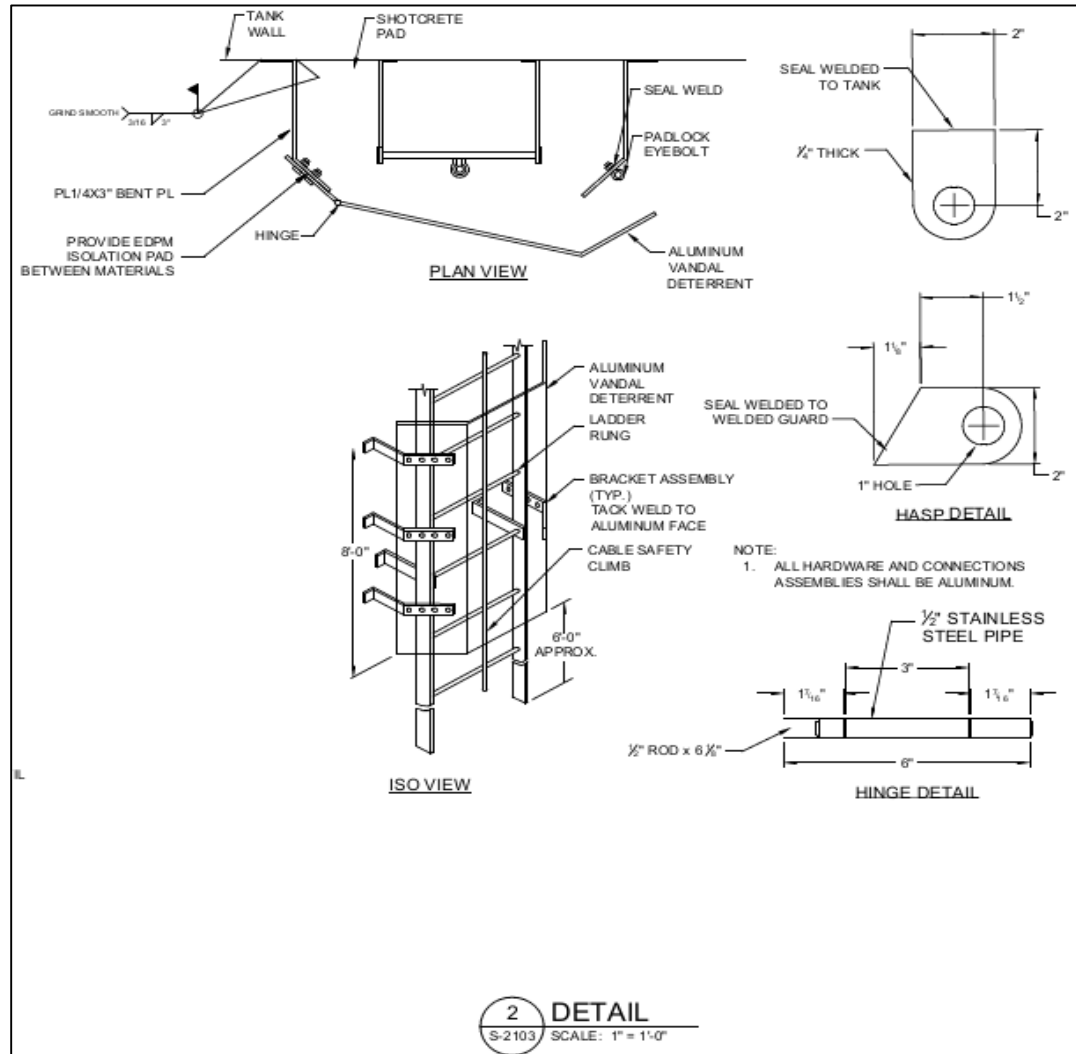
Exterior/Interior Ladder Improvements

- All new interior ladders
- Safety climb devices for ladders at primary access hatch



Vandal Guard Relocation

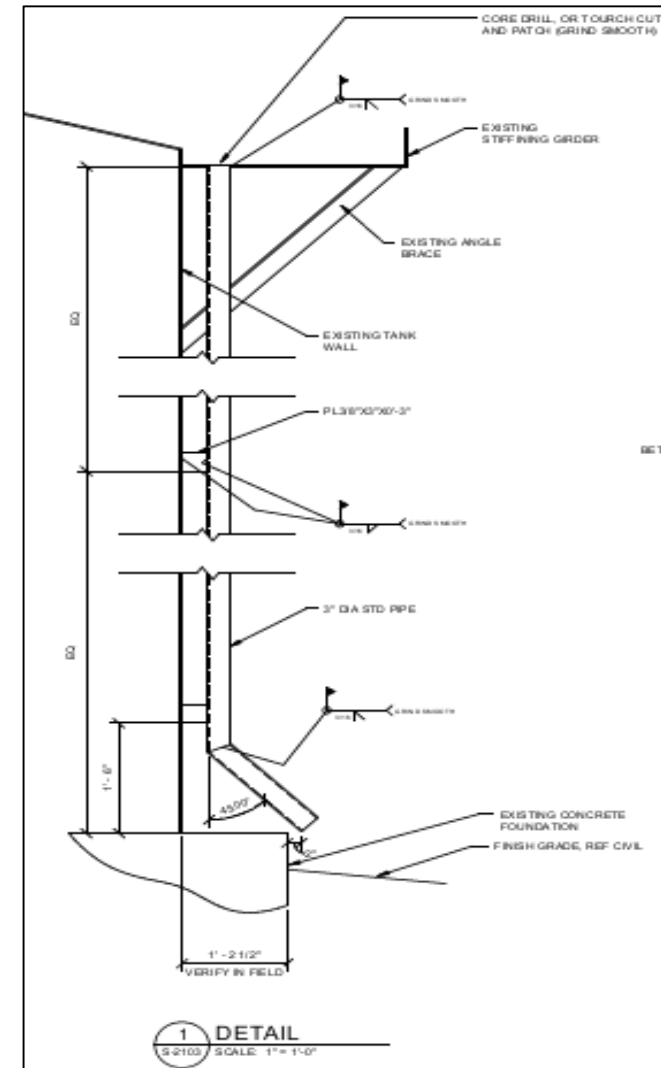
Relocate from side rails



Wind Girder Modifications

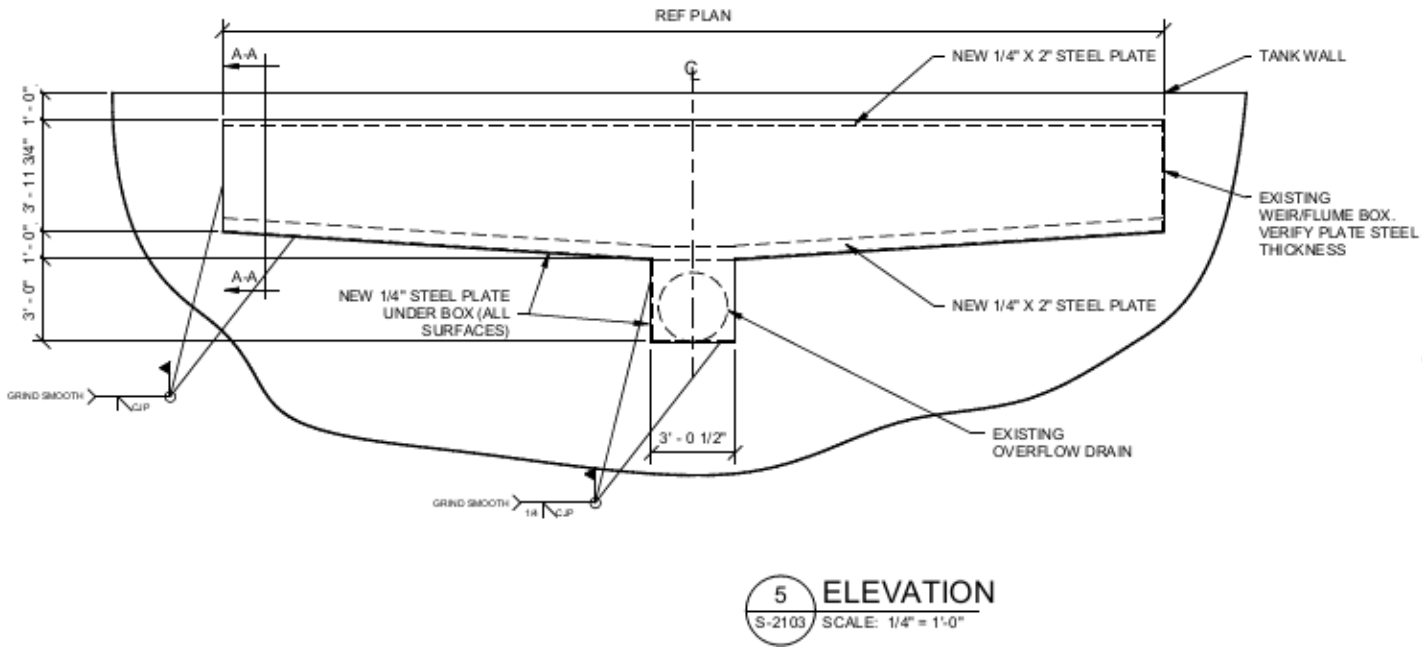
Install 4 new downspouts

- 3-inch pipes extend to ground
- 90-degree spacing



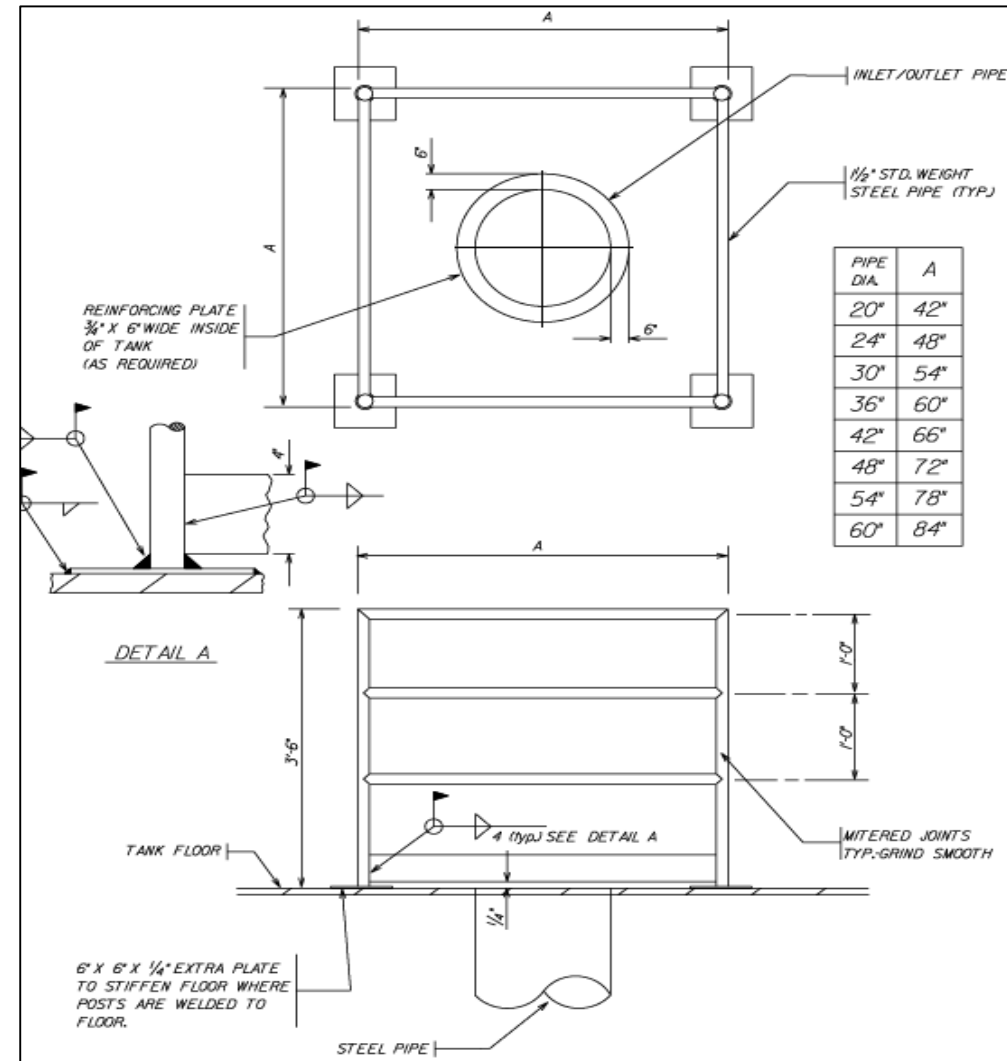
Overflow Weir Box Reinforcing

Steel Plate Reinforcement



New Pipe Safety Railing

- Two (2) 48-inch outlet pipes
- 48-inch inlet pipe – sidewall entry



Miscellaneous Improvements

- Replace lock hasps on access hatches
- Modify existing vent flaps



Miscellaneous Improvements (contd.)

- Relocate analyzer drain piping
- Site soil testing
 - Lead levels (5 ft from tank foundation)



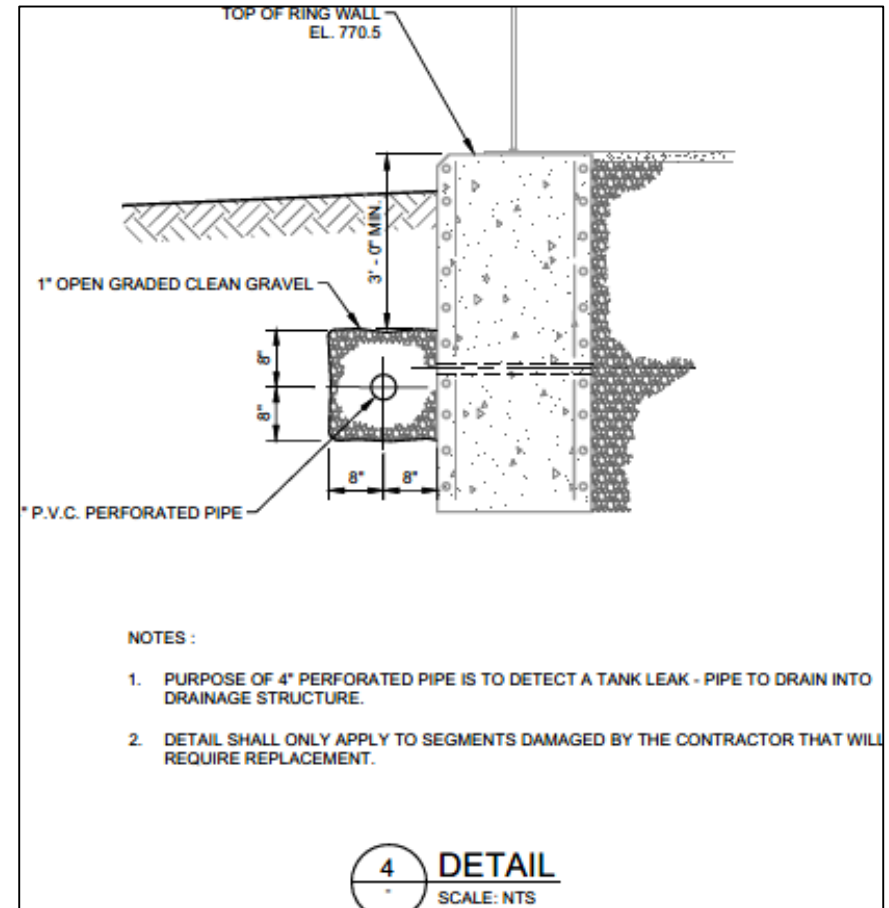
NOTES:

1. TESTING OF SOIL LEAD LEVELS (AT A DISTANCE OF 5 FT FROM THE TANK FOUNDATION) SHALL BE CONDUCTED AT THE FOLLOWING TIMES:
 - PRIOR TO THE START OF TANK REHABILITATION OPERATIONS.
 - FOLLOWING THE CONCLUSION OF ABRASIVE BLAST CLEANING / PAINTING OPERATIONS.
2. COORDINATE WITH ENGINEER ON PROPOSED TESTING APPROACH.
3. PROVIDE OWNER AND ENGINEER WITH A COPY OF ALL TEST RESULTS.

3 DETAIL
SCALE: NTS

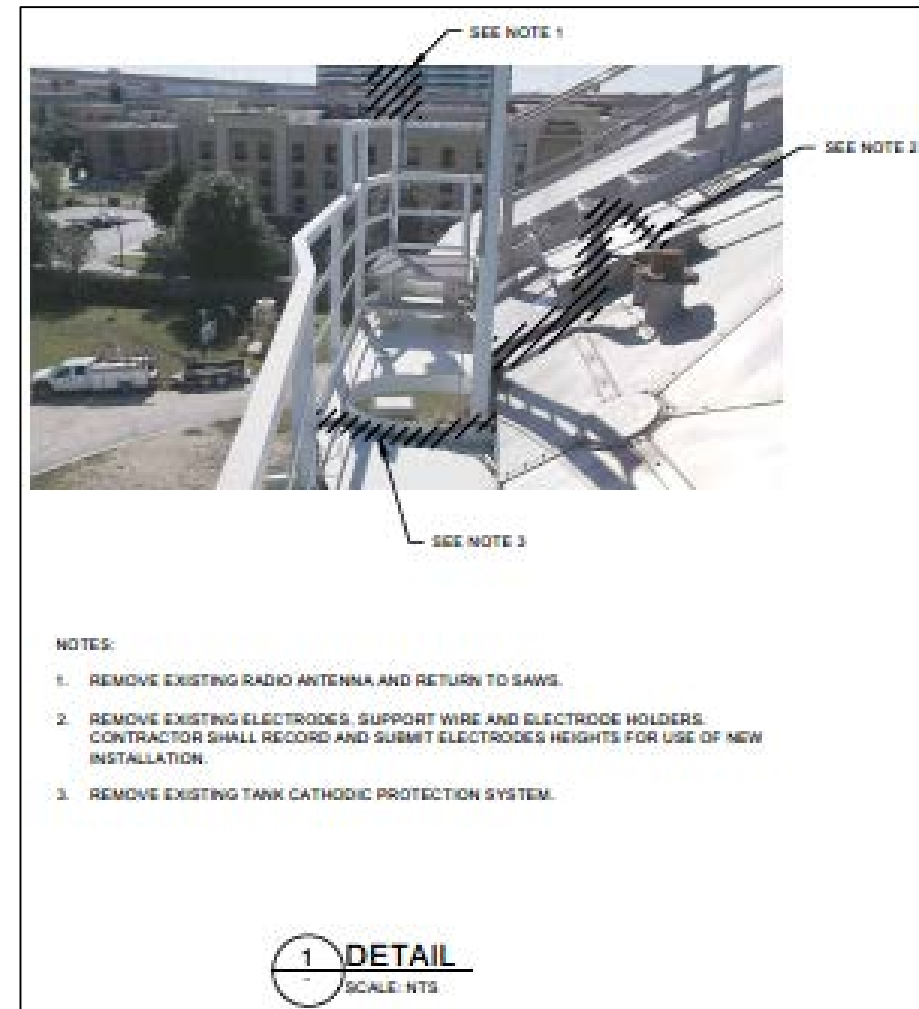
Miscellaneous Improvements (contd.)

- Minimal grading on tank's west side
- Replace tank perimeter drain (where damaged)



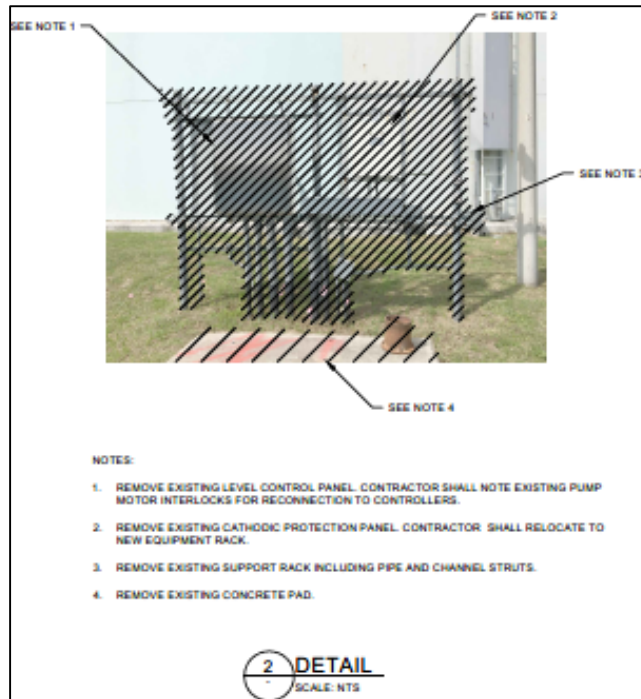
Electrical Demolition Work

- Radio antenna
- Level probes
- Cathodic protection system
 - Reuse existing panel



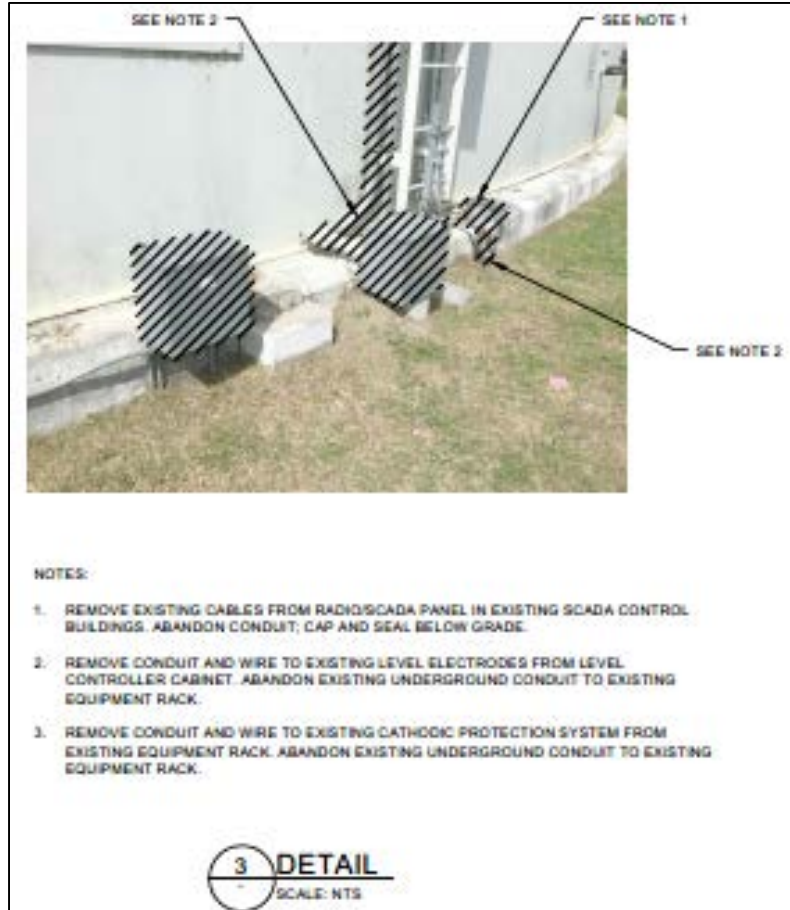
Electrical Demolition Work (contd.)

- Level control relay panel
- Analyzer sensors
- All support hardware and accessories



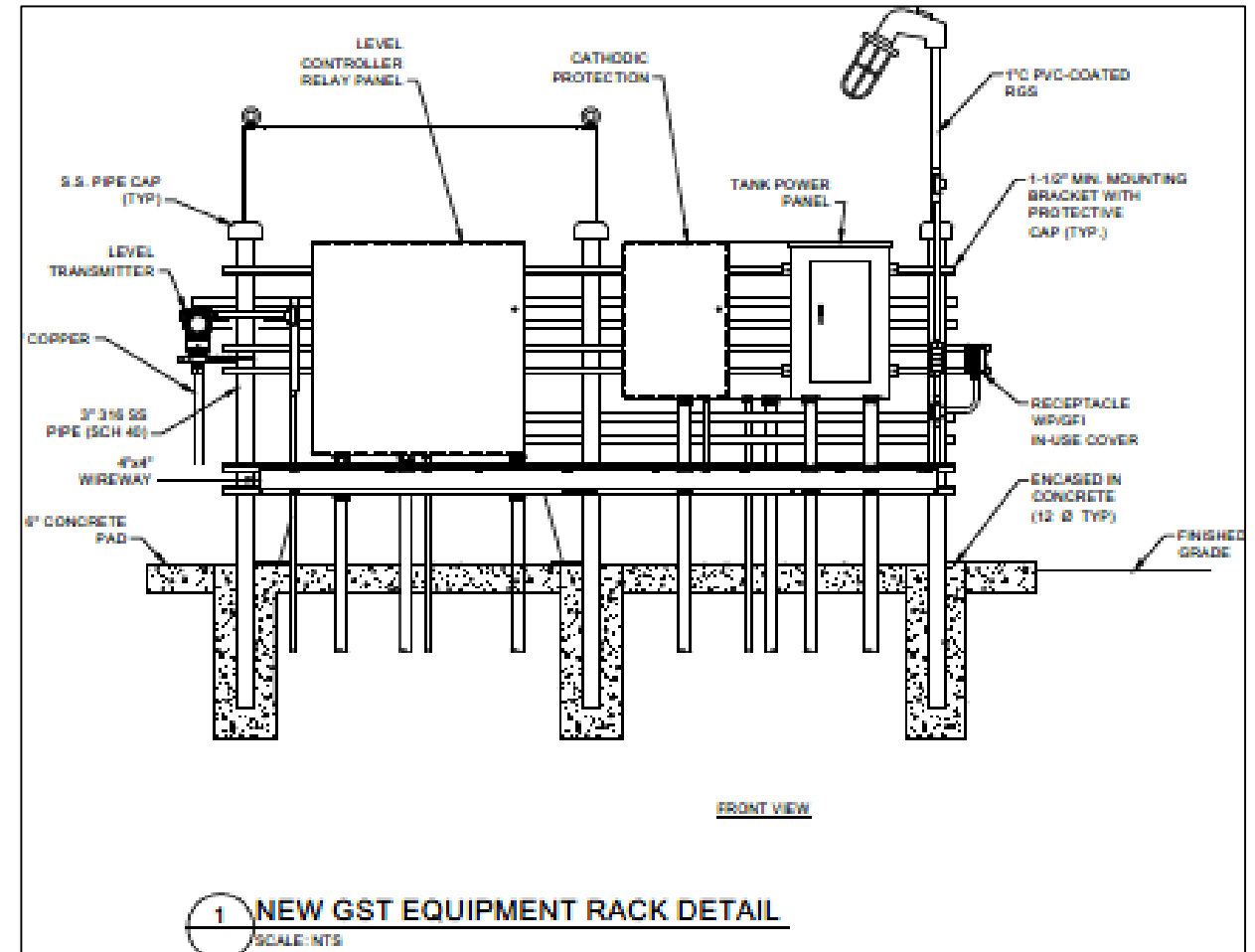
Electrical Demolition Work (contd.)

- All wire, cable, conduit and conduit boxes



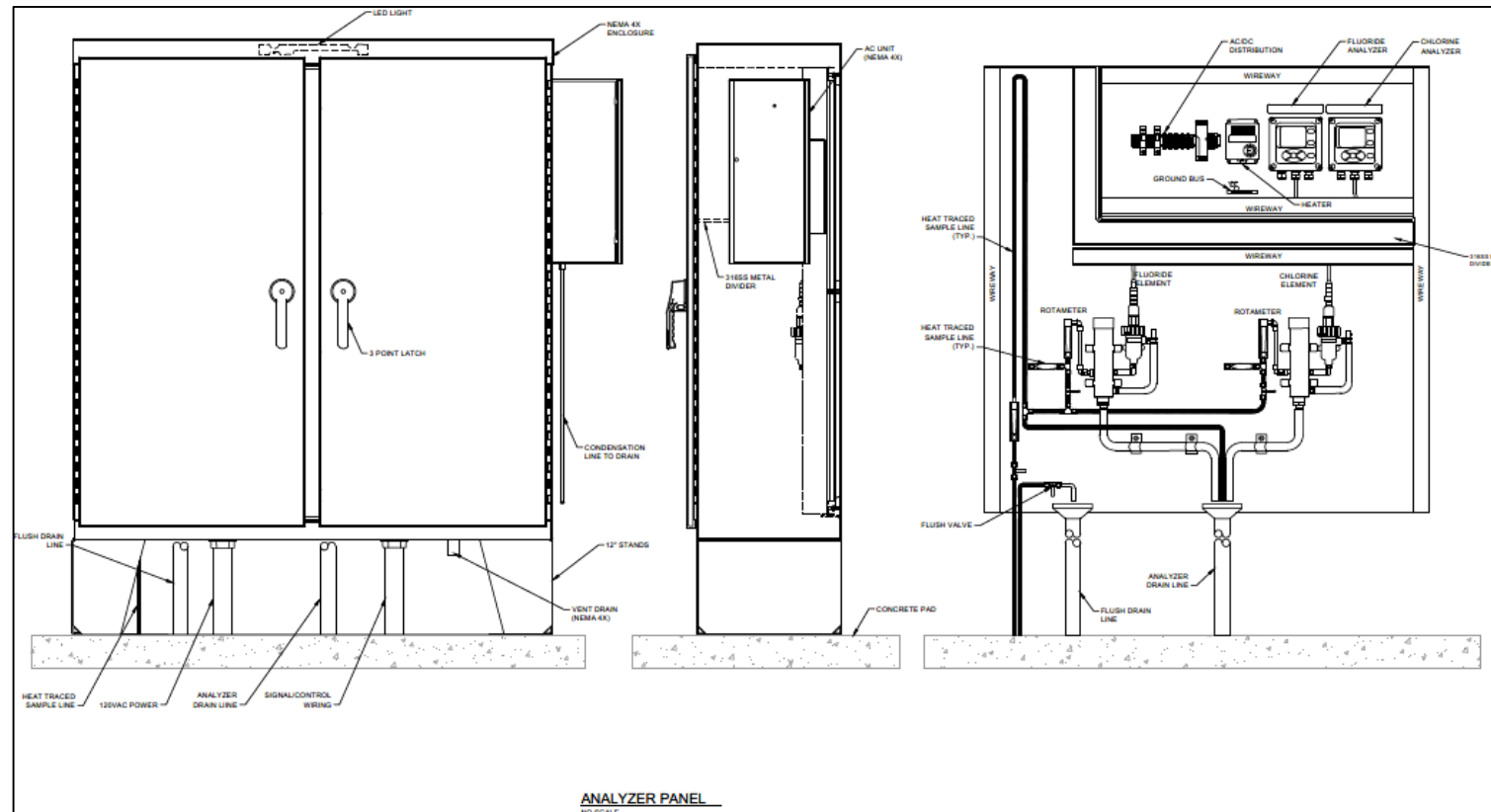
Electrical Improvements

- New equipment rack
- New pressure/level sensor
- New level probes and hardware
- New level control relay panel
- New cathodic protection system
 - Reuse existing panel

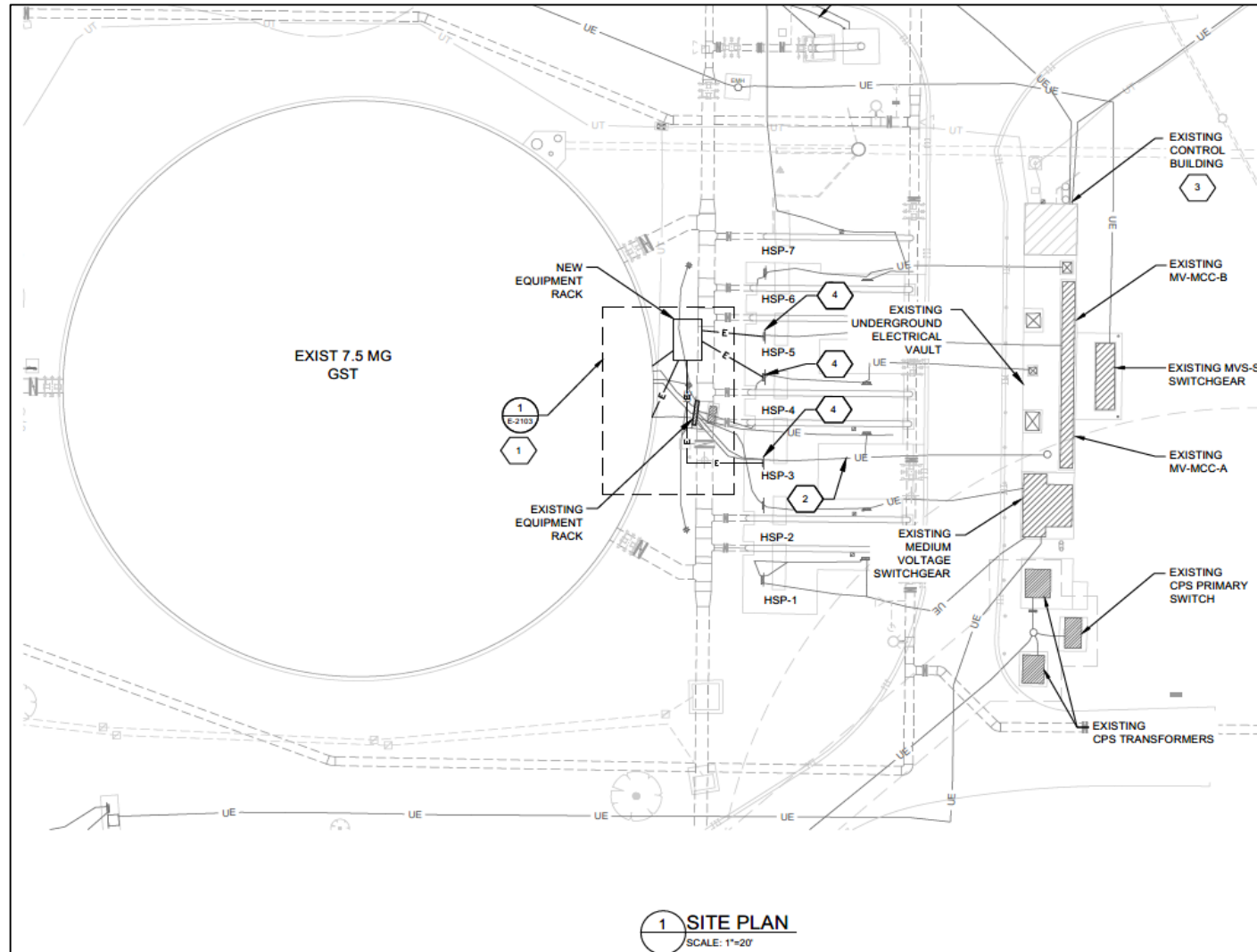


Electrical Improvements (contd.)

- New analyzer panel
- New wire, cable, conduit, conduit boxes and supports



Electrical Site Plan



Engineer's Estimate

- Total estimated cost: \$1,876,900.00
 - Listed on SAWWS website
 - Not included: two (2) 48-inch outlet butterfly valves
- Revised total estimated cost: \$2,004,000.00
 - Includes two (2) 48-inch outlet butterfly valves
 - Add to project scope under Addendum No. 1

Summary

- Maltsberger 7.5 MG GST nearly 40 years old
- Tank last rehabilitated 17 years ago
- Goals of tank modifications
 - Increase tank useful life
 - Upgrade tank appurtenances to current SAWS standards
- Tank recoating work – majority of project cost
- Mechanical and electrical improvements
- Subsequent work
 - Central Water Integration Pipeline Maltsberger Pump Station Improvements Project

Any Questions of Items Discussed Up to This Point?

- Remember: Submit Questions in Writing

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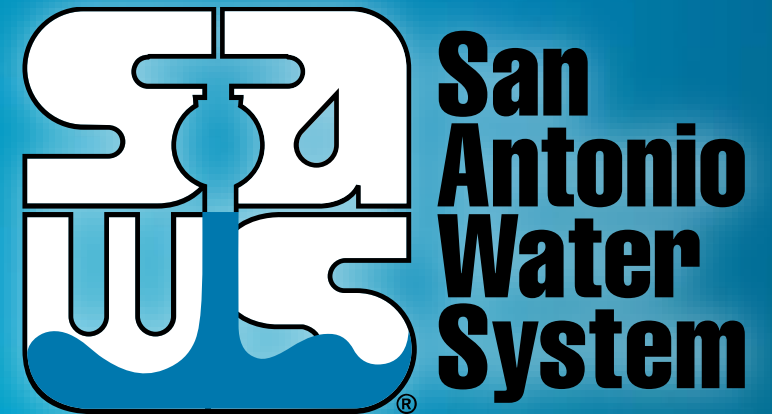
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