

Leon Creek WRC Improvements and Upgrades Phase 2 (RFCSP)

Ila E. Drzymala, Ph.D., PE

Senior Engineer, SAWS

Roxanne L. Lockhart

Contract Administrator, SAWS

Diana L. Woltersdorf

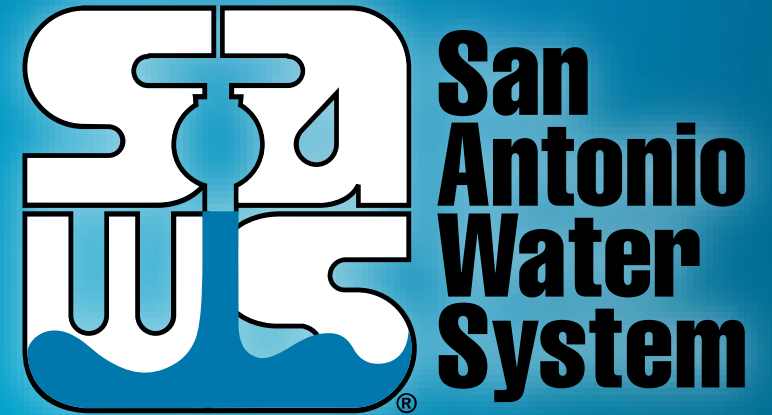
Manager - Contract Administration, SAWS

Marisol V. Robles

SMWVP Program Manager, SAWS

Greg Swoboda, PE

Project Engineer of Record



Non-Mandatory Pre-Proposal Meeting
February 8, 2021 at 11:00 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.

Meeting Agenda

- Project Overview
- Key Project Information
- Contract Requirements
- Evaluation Process
- Required Experience
- Proposal Packet Preparation
- Evaluation Criteria
- SMWVB
- Additional and Communication Reminders
- Key Dates and Solicitation Due Date
- Contract Background
- Supplemental Conditions
- Project Location & Site
- Project Scope
- Special Conditions
- Construction Sequencing
- Questions

Project Overview – Leon Creek

- Construction of a new electrical building at plant headworks
- Remove and replace grit removal equipment
- Provide structural repairs to Flow Equalization Basins
- Installation of two new cloth-media filters
- Replace existing motor control center for filters
- Demolition of structures that are no longer in use, addressing corrosion issues at Leon Creek and Salado Creek WRCs, and
- Replacement of the site paving as required throughout the plant for the Leon Creek WRC Improvements and Upgrades Phase 2 Project.
 - Respondents should refer to the more detailed description of the scope on page SIR-2

Key Project Information

- Key project information:
 - 540 calendar days
 - Construction estimate is approximately \$18.1M
 - Procured under Chapter 2269 of Texas Government Code as a Request for Competitive Sealed Proposals (RFCSP)
 - Several reports are available on the SAWS website and require a disclaimer form:
 - Geotechnical Report
 - Limited Hazardous Material Survey – Leon Creek
 - Limited Hazardous Material Survey – Salado Creek

Non-Mandatory Site Visits

February 9 and 10, 2021

- 9:00 a.m. – 4:00 p.m. by appointment only
 - Email Roxanne Lockhart no later than February 8 at 2:00 p.m.
- Both sites for approximately 1.5 hours
- All attendees must adhere to all COVID Safety Procedures, including a screening prior to the site visit
- Q & A will not be allowed during the site visit
- See Site Visit Procedures and Safety flyers in the specs for additional detailed information

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 SAWWS

Contract Requirements *(cont.)*

- Insurance – Found in Section 5.7 of the General Conditions
 - Coverage to include General Liability for Construction, Pollution Liability, Excess Liability and Builders Risk & Excess \$2 Million
 - Selected contractor must be compliant with all other contracts in order for SAWWS to award the contract.
 - SAWWS 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.

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 (lowest price receives the highest points) and added to final scores
- SMWVB will be added to final scores
- Selection Evaluation Committee reviews final scores
- Negotiations, if any
- Board award

Required Experience

- Respondents, if proposing for this project must clearly demonstrate, completely and sufficiently, is a primary business focus, and that such services have been successfully provided for at least five (5) continuous years. Services include:
 - Constructing new treatment facilities,
 - Making improvements to existing treatment facilities, rehabilitating, and
 - Upgrading wastewater treatment plants.

*See page SIR-2 of the SIR C. for full details

Proposal Packet Preparation

- Request FTP Site for proposal upload by deadline
- Proposal page limits do apply
- Review Instructions to Respondents and Supplementary Instructions to Respondents
- Utilize Proposal Response Checklist
 - 3 files required for electronic submittal only
 - Follow file naming convention
- Utilize Provided Evaluation Criteria Forms
 - Fillable form in Word is provided on SAWS website
 - Provide all requested detail for each item

Leon Creek WRC Improvements and Upgrades Phase 2

SAWS Job No. 19-6502
Solicitation No. CO-00386

EVALUATION CRITERIA FORM

The intent of this document is to provide Respondents a structure for their responses. While there are page limits for this solicitation, there are no character limitations.

Respondents should provide answers to the questions below in the order and spaces provided to ensure continuity between Respondent's submissions.

When responding to the questions below, Respondents should use the space provided in this form, unless otherwise indicated. Stating "See Attached" or "See Following Pages" are not acceptable responses. If the Response Forms provided here are not utilized, the information provided by the Respondent will not be considered and the Respondent's score for the evaluation criteria in question may be reduced and/or Respondent's proposal may be deemed non-responsive.

If all fields are not completed, the proposal may be deemed non-responsive.

1. Team Qualifications and Experience (20 Points)

a. Organizational Structure and Information of the Prime Contractor

- i. Provide current business organizational structure, type of business structure, and stability of organization.
(Provide answer here)
- ii. Provide total number of employees and annual company revenues as of December 31, 2020.
(Provide answer here)

EV-1

Proposal Packet Preparation *(cont.)*

- Verify contact information for all project references, if SAWWS 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.)
- Avoid “boilerplate” responses
- 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

Evaluation Criteria

Criteria	Percentages
Team Qualifications and Experience	20%
Quality, Reputation, and Ability to Deliver Project on Schedule and within Budget	20%
Project Approach, Schedule, and Availability	15%
Price	35%
Small, Minority, and Women-owned Business Participation	10%
Total	100%

Evaluation Criteria

Team Qualifications and Experience (20 points)

- Organizational Structure and Key Personnel Information on Prime Contractor
 - Company information (structure, debarment history, # of employees, years of construction work, etc.)
 - Organizational Chart with Key Personnel with percentage of availability, clear description of roles and responsibilities (Prime and Key Subs)
 - Team history or approach if no prior experience to ensure successful completion of project
 - Complete financial statements for the last 3 years prepared by independent CPA

* Refer to SIR for full detail of Evaluation Criteria requirements

Evaluation Criteria

Team Qualifications and Experience (*cont.*)

- Qualifications and Experience of Key Personnel Proposed for Project
 - Resumes of Key Personnel on 8 ½ x 11” one per person, not to exceed one (1) page as identified on the Org Chart
 - Professional experience, education, role, descriptions of capabilities, etc.
 - List of all other active projects team member assigned, percentage, date of completion of work
 - ✓ Key Personnel may include Project Manager, Project Superintendent, QC Manager, Safety Coordinator, Electrical Manager/Superintendent and Instrumentation and Controls Manager/Superintendent.
 - ✓ Key Subcontractor include electrical, I&C, demolition and decommissioning.

Evaluation Criteria

Quality, Reputation and Ability to Deliver Projects on Schedule and within Budget (20 Points)

- Prime Contractor On-Time Completion on Similar Projects in the past 15 years
 - List and describe 5 completed projects of similar size, scope, and complexity within the last 15 years
 - Owner reference contact information should be valid and recently verified
 - If valid contact information is not provided, score or proposal may be negatively impacted
 - 3 of the 5 projects listed must have been performed by the proposed Key Personnel
 - 2 of the 5 project must include the PM and 1 of 5 for Superintendent and QC Manager
 - If SAWS experience, one project of similar size, scope, and complexity must be included
 - The Respondent shall provide information for all current and recently completed improvement, upgrades, rehabilitation, and new construction of wastewater treatment facility projects performed in the last five (5) years for all Utility Owners in the State of Texas.

Evaluation Criteria

Quality, Reputation and Ability to Deliver Projects on Schedule and within Budget (cont.)

- **Key Subcontractor(s) Performance on Similar Projects in the Last 5 years**
 - Provide list of 2 projects that Key Electrical Subcontractor participated in of similar size, scope, and complexity in Texas in the last 5 years and describe role
 - Provide list of 2 projects that Key I& C Subcontractors participated in of similar size, scope, and complexity in Texas within the last 5 years and describe role
 - Provide list of 2 projects that Key Demolition and Decommissioning Subcontractors participated in of similar size, scope, and complexity in Texas in the last 5 years and describe role
 - If Prime plans to self-perform and has no Key Subcontractors:
 - Provide a list of 6 additional projects with similar scope in the State of Texas within last 5 years
 - Key Personnel shall have participated in at least 3 of the 6 projects
 - Describe role served by proposed staff

Evaluation Criteria

Project Approach, Schedule and Availability (15 points)

- Project Approach
 - Narrative of Project Approach to complete project, including key milestones, key stakeholders, critical path items, phases and/or sequencing, permits, etc.
 - Description of the approach specifically addressing the procurement of the following items: pumps, filters, and other long-lead time equipment devices.
 - Provide innovative ideas for cost savings (due to method or duration)
 - Quality Management Plan including subcontractor oversight, QA/QC, etc.
- Project Schedule and Unforeseen Conditions
 - Critical path method (CPM) schedule Primavera or Microsoft project - Assume NTP of May 25, 2021
 - How Respondent will complete the project on time (taking into account existing jobs)
 - Project approach to procure long-lead items and critical path shop drawing submittals

* Refer to SIR for full detail of Evaluation Criteria requirements

Evaluation Criteria

Project Approach, Schedule and Availability (cont.)

- Provide details for procurement of delivery of pumps, filters, and other long lead equipment
- List and describe prior instances of unforeseen conditions
- Approach for mitigating and managing unforeseen conditions on this project
- **Availability of Key Personnel and Equipment**
 - Describe availability of Key Personnel (Prime and Key Subcontractor)
 - Describe availability of equipment and facilities for this Project
 - Corresponding with the org chart, list available workforce for various disciplines, to include no. of crews, no. of personnel and skill classification

* Refer to SIR for full detail of Evaluation Criteria requirements

Evaluation Criteria

Safety Information

- Records showing Total Recordable Incident Rate (TRIR) past 5 years for Prime Contractor and Key Subcontractor(s)
- Provide records showing the company's Experience Modification Rate (EMR) past 3 years for Prime Contractor and Key Subcontractor(s)
- List fatalities in company's safety history for Prime Contractor and Key Subcontractor(s)

Evaluation Criteria

Price

- Lowest total price will receive 35 points.
- Remaining proposals will receive points based on comparison to the lowest price proposal.

Small Minority, Women, and Veteran-owned Businesses

As indicated on the Good Faith Effort Plan

* Refer to SIR for full detail of Evaluation Criteria requirements

Aspirational SMWB Goal

Industry	Aspirational SMWB Goal
Construction	*20%

*Expressed as 20% of the total submittal price.

Accepted SMWVB Certification Agency

- **South Central Texas Regional Certification Agency**

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

Minimum Qualifications for SMWVB recognition:

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

Scoring - SIR-10 & 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

Good Faith Effort Plan (GFEP) FAQs

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

A: No, but we ask prime contractors 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 SMWVB subcontractors?**

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 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: Do I need to include all my subcontractors in the GFEP or just those that qualify towards the SMWVB goal?**

A: All subcontractors need to be included in the GFEP, even those that may not count towards the SMWVB goal.

- **Q: What if I have questions about the GFEP?**

A: Please contact the SMWVB Program Manager at Marisol.Robles@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

1. Subcontractor & Supplier Payment Tracking
2. Subcontractor and Supplier Additions or Substitutions
3. LCP Tracker
4. Must be Current and Accurate before Retainage is released

<https://saws.smwbe.com>



The screenshot shows the homepage of the San Antonio Water System's Subcontractor Payment & Utilization Reporting System. The page features a blue header with the San Antonio Water System logo, a "OUR MAIN SITE" link, and a "CONTACT SUPPORT" button. The main content area has a background image of industrial water treatment equipment and displays the title "Subcontractor Payment & Utilization Reporting System" with a "Log In" button. Below this, there are three columns of links: "System Training" (with a "Training" button), "About the System" (with an "Information for Vendors" button), and "Account Access" (with "Account Lookup" and "Forgot Password" buttons). A footer at the bottom states: "The Subcontractor Payment & Utilization Reporting System is powered by B2Gnow Software © Copyright 2018."

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.



Notify Me

Receive updates sent straight to your
inbox.

Subscribe

Communication Reminders

- There shall not be any communication with the following during the Proposal period:
 - ✓ Design Engineer of Record/Consultant (Garver, LLC)
 - ✓ 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*

- February 8, 2021 at 11:00 AM **Non-Mandatory Pre-Proposal Meeting**
- February 9 & 10, 2021 **Non-Mandatory site visits**
- February 19, 2021 by 4:00 PM **Questions Due****
- Mar 2, 2021 by 2:00 PM **Addendum Posted to SAWS Website****
- March 17, 2021 by 2:00 PM **Electronic Proposals Due**
- Mar/Apr 2021 **Proposals Evaluated**
- Mar/Apr 2021 **Selected Contractor Notified**
- May 4, 2021 **SAWS Board Approval and Award**
- May 25, 2021 **NTP Issued**

*All dates subject to change

** To Change via Addendum

Submission Due Date

- Proposals due no later than **2:00 PM CDT March 17, 2021**
- **Electronic Proposals Only**
- Follow specific electronic proposal delivery instructions:
 - Request the FTP Site for Upload no later than March 16, 2021 at 2:00 PM
 - Follow naming convention provided in the Respondent Proposal Checklist for all 3 files
 - Late responses will not be accepted and will not be opened
 - A WebEx proposal opening meeting will be held March 17, 2021 at 2:00 PM
- SAWWS continues to monitor and adhere to the current COVID-19 guidelines and may modify the proposal submission instructions

Contract Background

- All RFIs, RFPs, submittals, and any other items related to construction must be uploaded and processed via CPMS
- No work can be performed by the Contractor unless the cost for that line item is on the contract
- All traffic control plans must be submitted to and approved by CoSA as applicable
- Change orders, if any, will be based on negotiated prices if items are not in the price proposal
 - Negotiated using RS Means

Contract Background

External Agency Permit Requirements (City of San Antonio, TXDOT, etc.)

- Contractor to follow requirements identified in corresponding permits or agreements
- Changes in field that are cited by the Agency's Inspector will require concurrence and approval from the SAWWS Inspector first
- If contractor would like to work weekends or extended hours, notification is required 48 hours in advance to SAWWS Construction and Inspections. Requests should be send to constworkreq@saws.org.

Contract Requirements

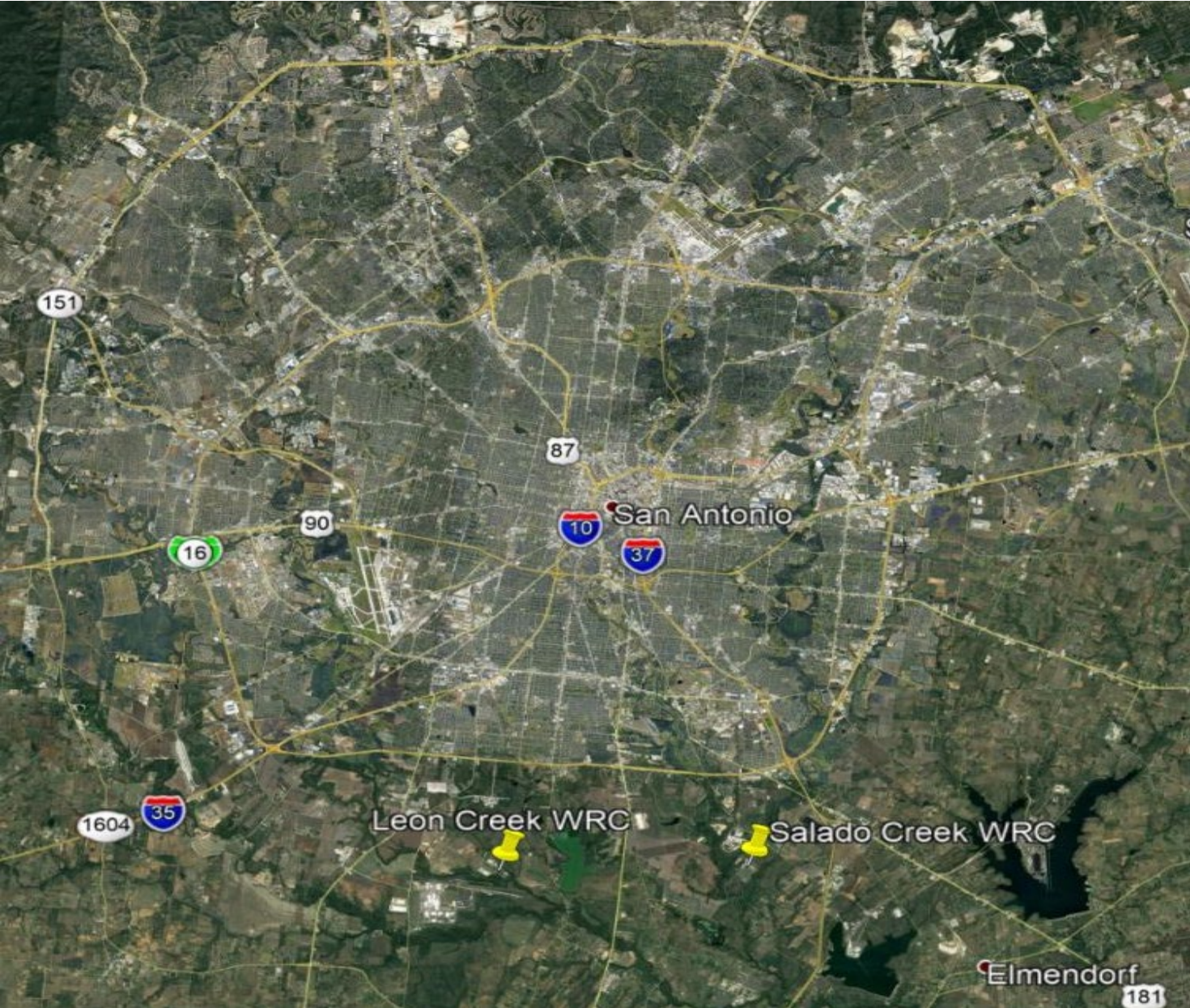
Supplemental Conditions

- Contractor shall perform the work with its own organization on at least 40% of total original contract price to be confirmed by Respondent on pg. I of Good Faith Effort Plan
- Liquidated Damages will be assessed at \$1,200/day for the purposes of this contract

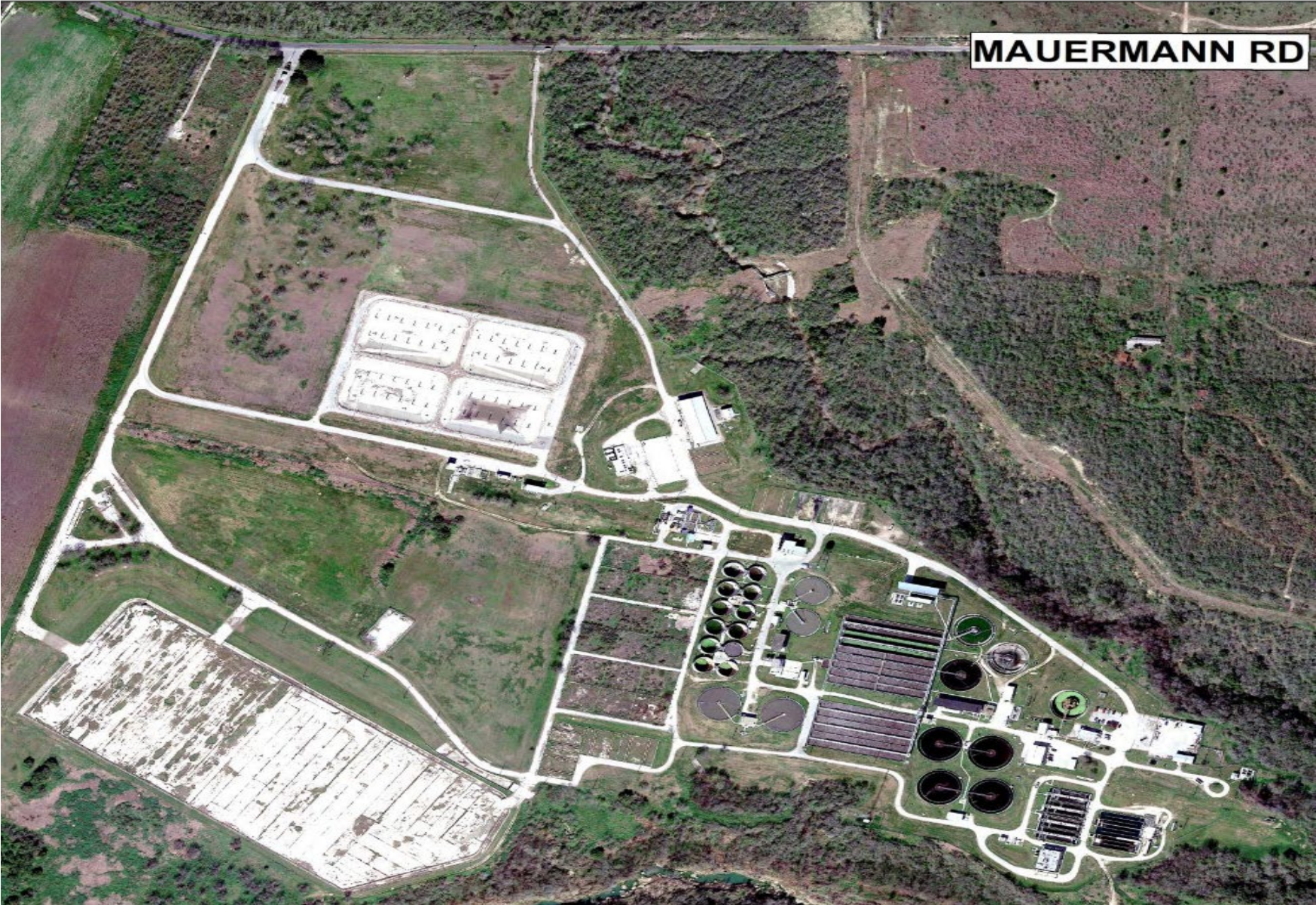
Project Location and Site



Project Location



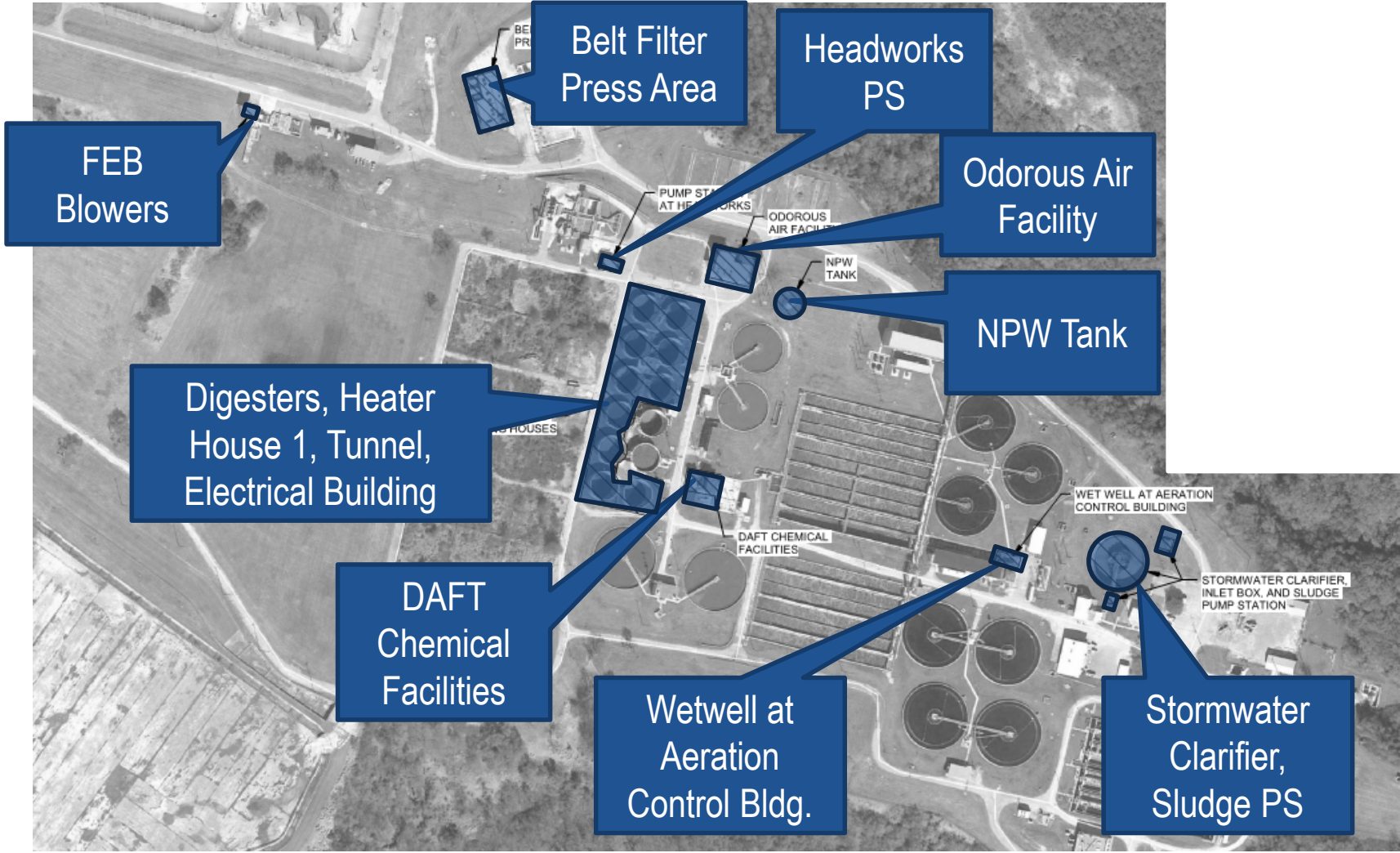
Existing Site – Leon Creek WRC



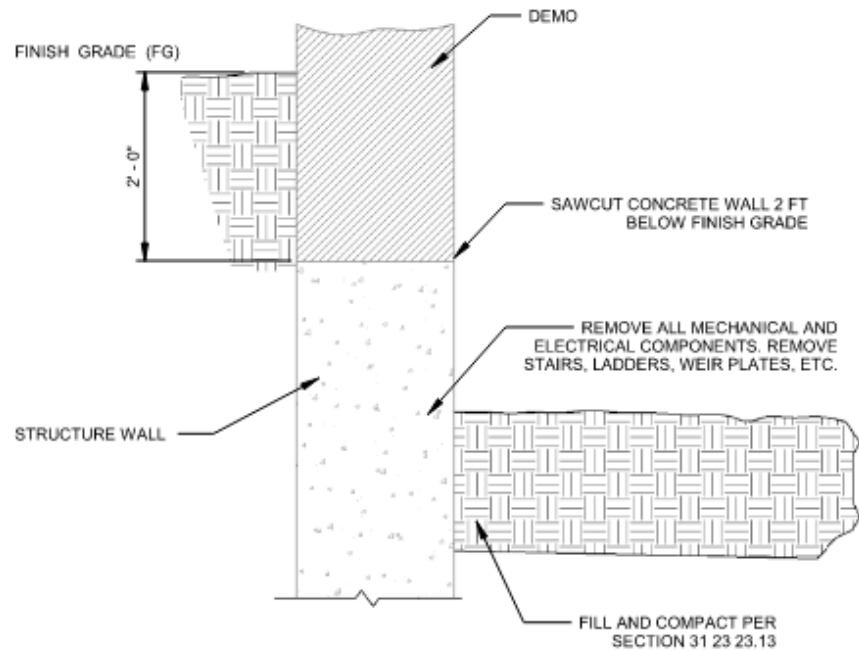
Demolition of Abandoned Facilities



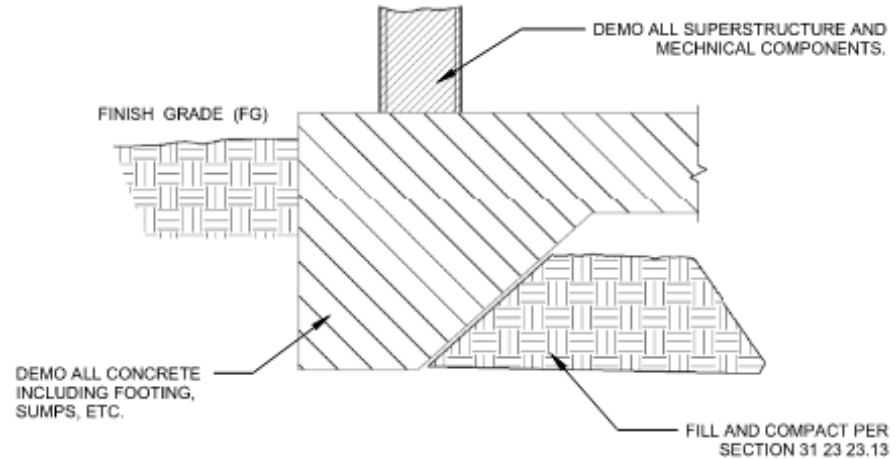
Demolition of Abandoned Facilities



Structural demolition includes removal of above-grade elements and removal of walls to 2-ft below grade



1 DEMOLITION - BELOW GRADE STRUCTURES
10-D130 SCALE: NONE



2 DEMOLITION - AT GRADE STRUCTURES
10-D130 SCALE: NONE

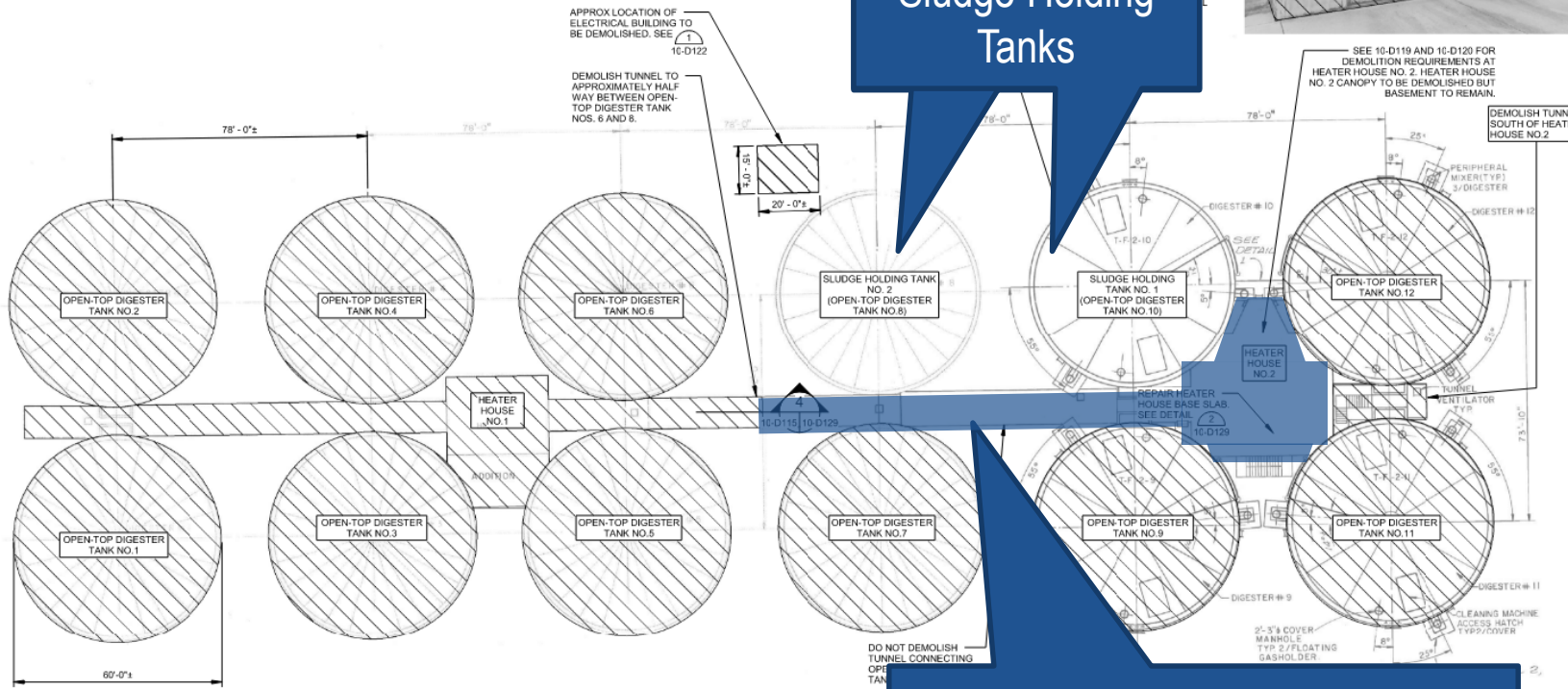
Ten open-top digester tanks and associate piping will be demolished and two sludge holding tanks to remain

NOTES:

1. REFER TO GENERAL DEMOLITION NOTES ON SHEET 10-D101.
2. CONTRACTOR SHALL DEMOLISH EXISTING OPEN-TOP DIGESTER TANK NOS. 1-7, 9, AND 11-12, ASSOCIATED PIPING, TANK FOUNDATIONS, AND STAIRWAYS/PLATFORMS LEADING TO TOP OF TANKS. ACCESS STAIRWAYS AND PLATFORMS LEADING TO OPEN-TOP DIGESTER TANK NOS. 8 AND 10 SHALL REMAIN IN PLACE.
3. CONTRACTOR SHALL DEMOLISH HEATER HOUSE NO. 1 INCLUDING THE ADDITION. CONTRACTOR SHALL DEMOLISH UNDERGROUND TUNNEL CONNECTING OPEN-TOP DIGESTER TANKS, EXCLUDING THE LENGTH CONNECTING OPEN-TOP DIGESTER TANK NOS. 8 AND 10.
5. SLUDGE PUMPING AREAS CONNECTED TO OPEN-TOP DIGESTER TANK NOS. 8 AND 10 ARE NOT SHOWN ON THIS SHEET AND ARE TO REMAIN. REFER TO SHEET 10-D122.
6. SLUDGE PIPING IS NOT SHOWN ON THIS SHEET. SLUDGE PIPING CONNECTED TO OPEN-TOP DIGESTER TANK NOS. 8 AND 10 IS TO REMAIN.

NOTES:

1. PHOTO DEPICTS ELECTRICAL BUILDING TO BE DEMOLISHED.



Sludge Holding Tanks

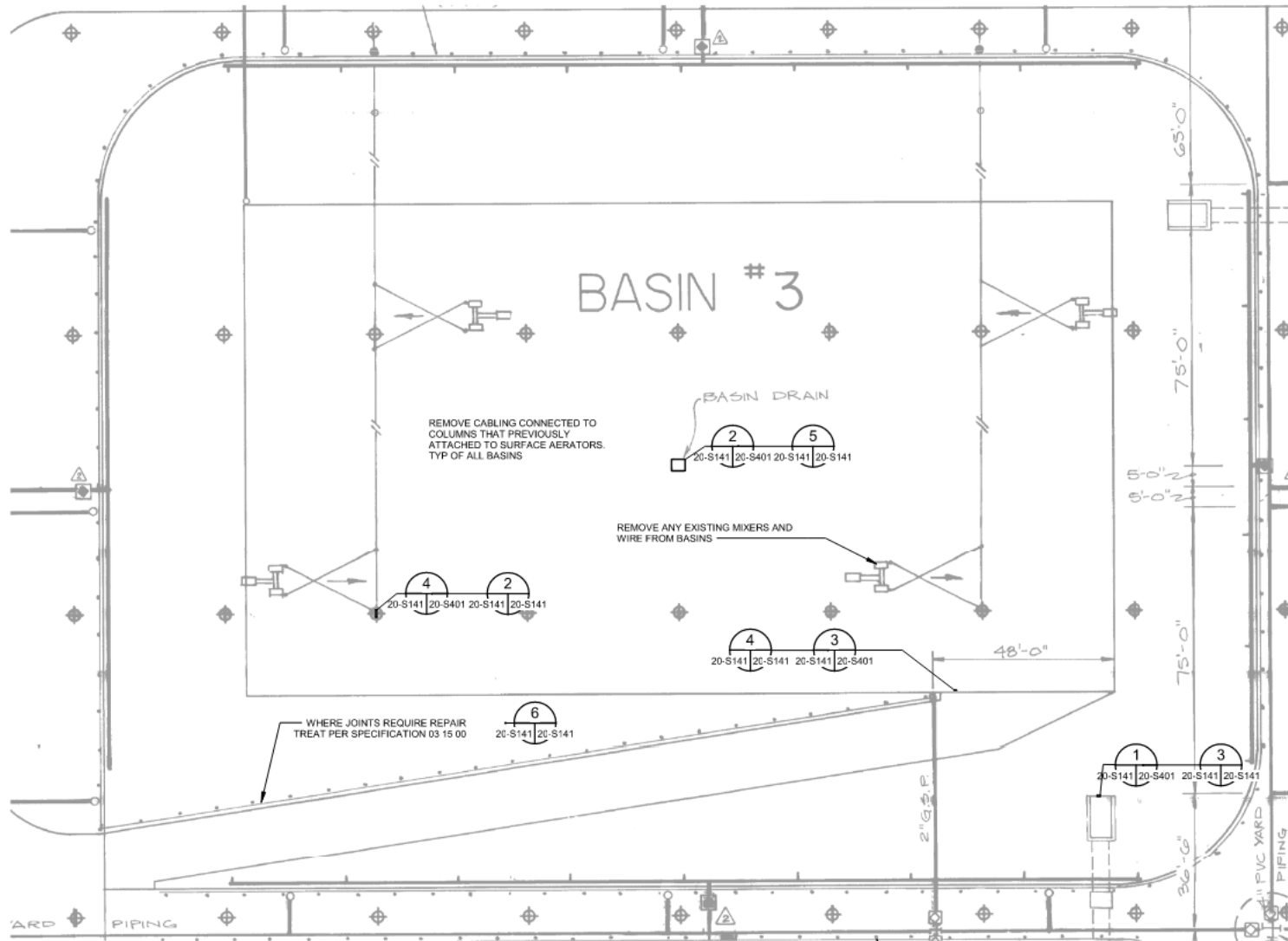
Section of tunnel and below-grade portion of Heater House 2 to be sealed and left in place.

DEMOLITION PLAN
SCALE: NONE
PROJECT NORTH

Flow Equalization Basin (FEB) Repairs



FEB Repairs - 4 Basins



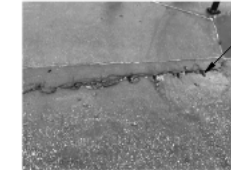
10 EACH BASIN
40 TOTAL

2 COLUMN REPAIR
20-S141 | 20-S141 SCALE: NONE



2 - 3 PER BASIN
9 TOTAL

3 INFLOW DETAIL
20-S141 | 20-S141 SCALE: NONE



1 LOCATION
BASIN #3 ONLY

4 BASIN SLAB REPAIR
20-S141 | 20-S141 SCALE: NONE



1 PER BASIN
4 TOTAL

5 BASIN SUMP
20-S141 | 20-S141 SCALE: NONE



SAME LOCATION
EACH BASIN APPROX.
1000 LF TOTAL

6 BASIN JOINT REPAIR
20-S141 | 20-S141 SCALE: NONE

1 REPAIR PLAN
20-S141 SCALE: NONE
PROJECT NORTH

NOTES:

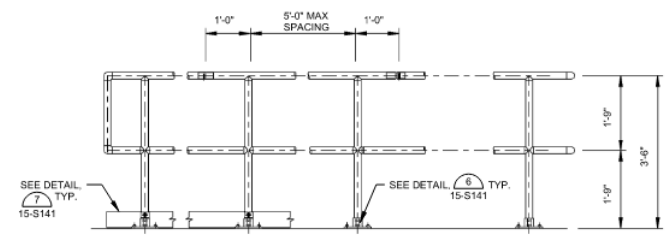
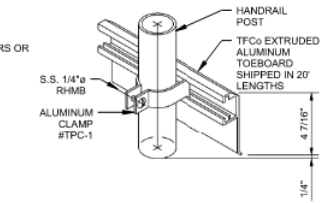
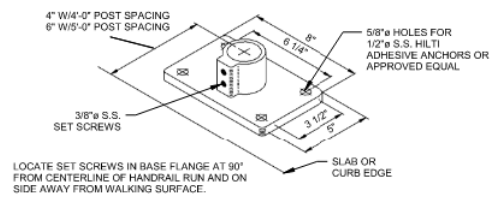
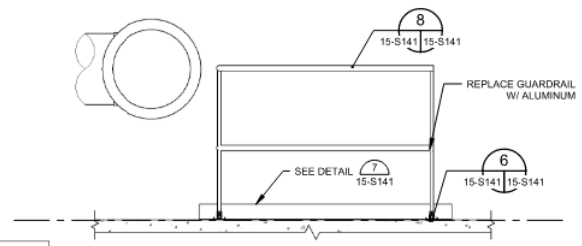
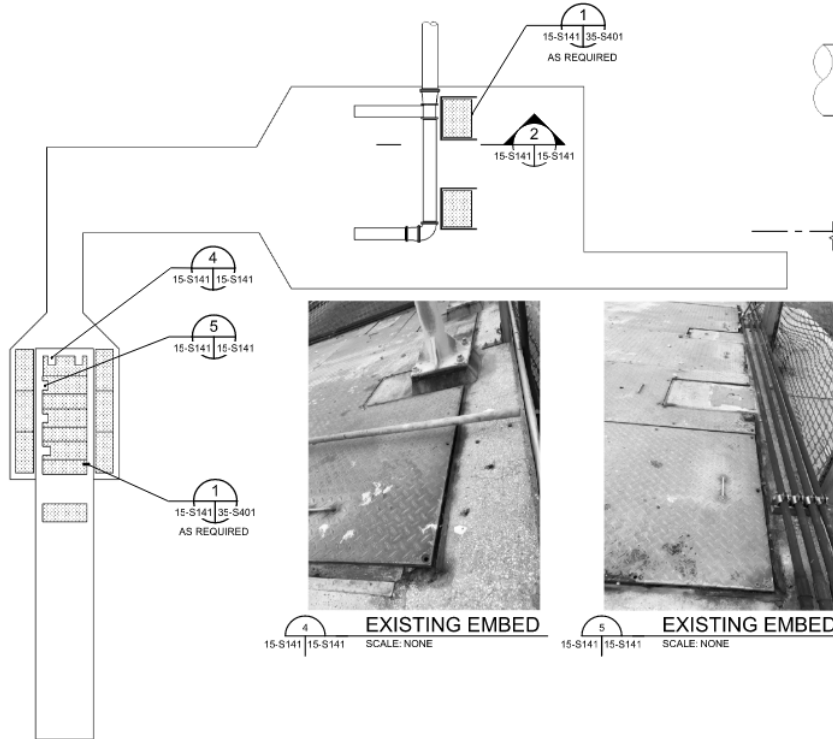
1. CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, DIMENSIONS, AND MATERIALS OF EXISTING STRUCTURES, PIPING, AND EQUIPMENT
2. REMOVE AND DISPOSE OF ALL SOLIDS AND/OR LIQUIDS INCLUDING SLUDGE IN BASINS TO BE REPAIRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND REQUIREMENTS FOR SOLIDS REMOVAL AND OFFSITE DISPOSAL AND TO OBTAIN ANY REQUIRED PERMITS
3. REFERENCE DRAWING IS PROVIDED FOR CONTRACTOR REFERENCE ONLY. ACTUAL FIELD CONDITIONS MAY VARY
4. REFERENCE DRAWING IS REDUCTION OF ORIGINAL AND IS NOT EXACTLY SCALED REPLICA
5. EXISTING PAINT MAY CONTAIN LEAD.

REPAIR WIRE CABLE RAILING
WHERE REQUIRED, TYP

Corrosion and Safety Repairs at the Leon Creek WRC



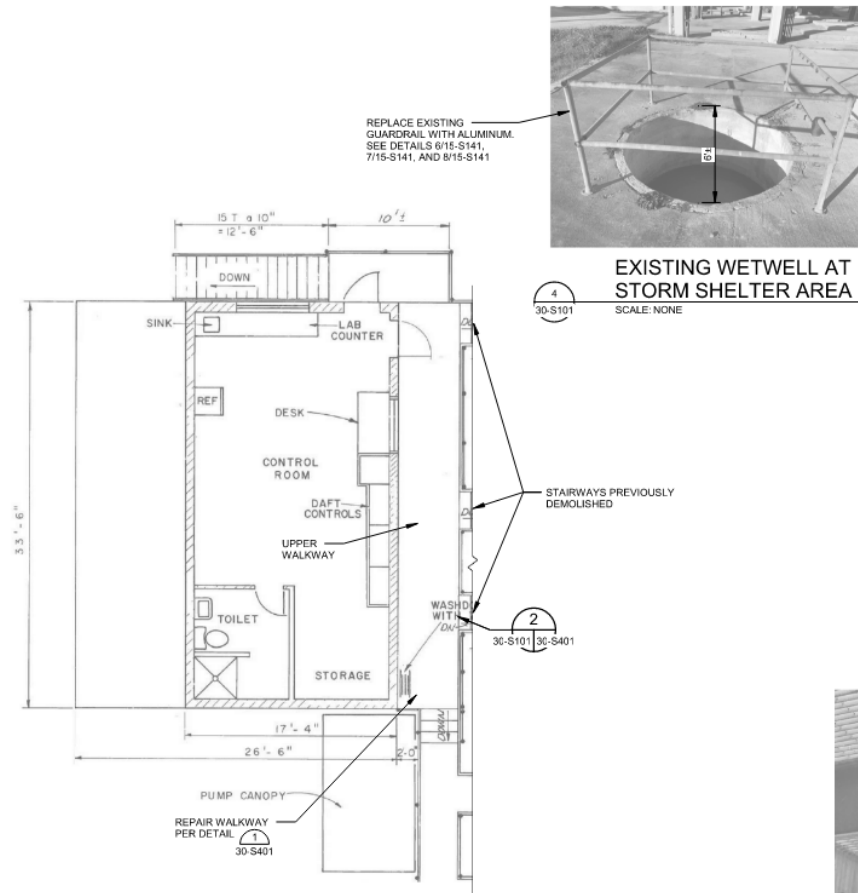
Flow Equalization Basin Diversion Structure



(GUARDRAILS SHALL BE TOP MOUNTED OR SIDE MOUNTED AS SHOWN ON PLANS)



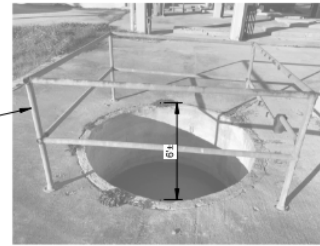
Storm Shelter Structural Rehabilitation



STORM SHELTER STRUCTURAL REHABILITATION PLAN
SCALE: NONE

PROJECT NORTH

- NOTES:
1. REFERENCE DRAWINGS ARE PROVIDED FOR CONTRACTOR REFERENCE ONLY. ACTUAL FIELD CONDITIONS MAY VARY.
 2. REFERENCE DRAWINGS ARE REDUCTIONS OF ORIGINALS AND ARE NOT EXACTLY SCALED REPLICAS.



EXISTING WETWELL AT STORM SHELTER AREA
SCALE: NONE

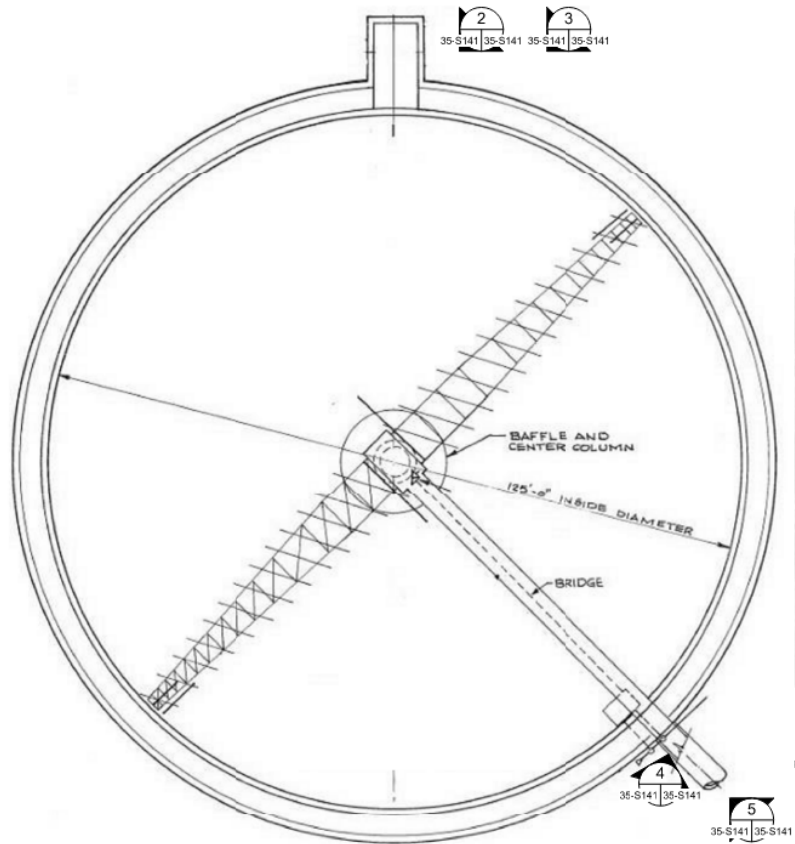


STORM SHELTER UPPER WALKWAY COLUMN REPAIR
SCALE: NONE



STORM SHELTER UPPER WALKWAY
SCALE: NONE

Repairs at four Primary Clarifiers



1
PROJECT NORTH
35-S141
PRIMARY CLARIFIER NOS. 1 & 2
SCALE: NONE



NOTE:
PC = PRIMARY CLARIFIERS
6
PROJECT NORTH
35-S141
KEY PLAN
SCALE: NONE



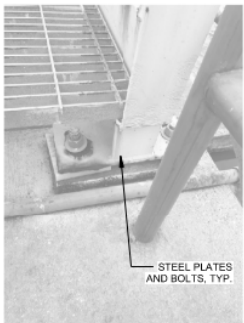
NOTE:
REPLACE ANY STEEL SUPPORTS, RAILING AND GRATING AT EFFLUENT BOX WITH ALUMINUM. REPLACE GRATING EMBEDS, SEE DETAIL 1/35-S401

2
35-S141 35-S141
EFFLUENT BOX ACCESS - CLARIFIER NO. 1
SCALE: NONE



NOTE:
REPLACE ANY STEEL SUPPORTS, RAILING AND GRATING AT EFFLUENT BOX WITH ALUMINUM. REPLACE GRATING EMBEDS, SEE DETAIL 1/35-S401

3
35-S141 35-S141
EFFLUENT BOX ACCESS - CLARIFIER NO. 2
SCALE: NONE



NOTE:
REPLACE ANY RUSTED STEEL PLATES OR BOLTS AT BRIDGE WITH NEW. USE THE SAME MATERIALS AND SIZES.

4
35-S141 35-S141
BRIDGE BASE PLATES - CLARIFIER NO. 2
SCALE: NONE

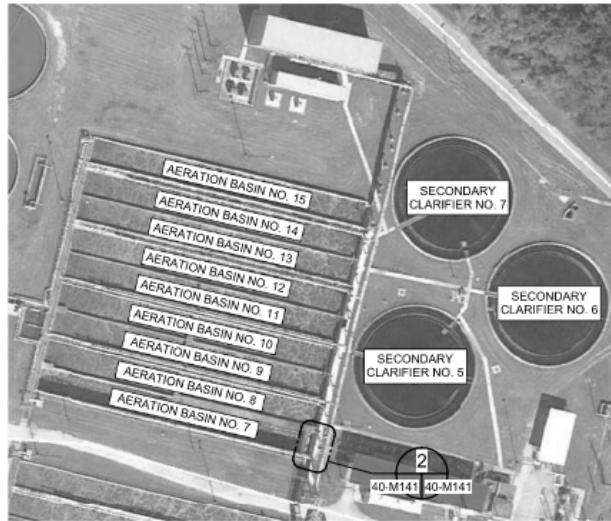


NOTE:
REFINISH ALL STEEL BRIDGE ELEMENTS WITH: NEAR WHITE BLAST CLEANING, 1 COAT EPOXY PRIMER 2.5 MDFT, 1 COAT POLYURETHANE ENAMEL 3.0 MDFT

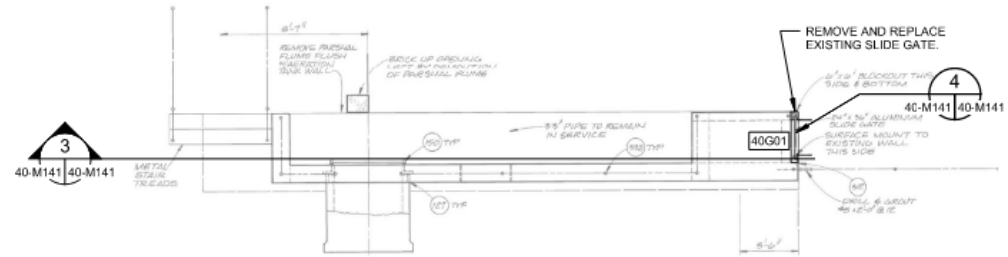
5
35-S141 35-S141
BRIDGE - CLARIFIER NO. 2
SCALE: NONE

- NOTES:
1. REFERENCE DRAWINGS ARE PROVIDED FOR CONTRACTOR REFERENCE ONLY. ACTUAL FIELD CONDITIONS MAY VARY.
 2. REFERENCE DRAWINGS ARE REDUCTIONS OF ORIGINALS AND ARE NOT EXACTLY SCALED REPLICAS.

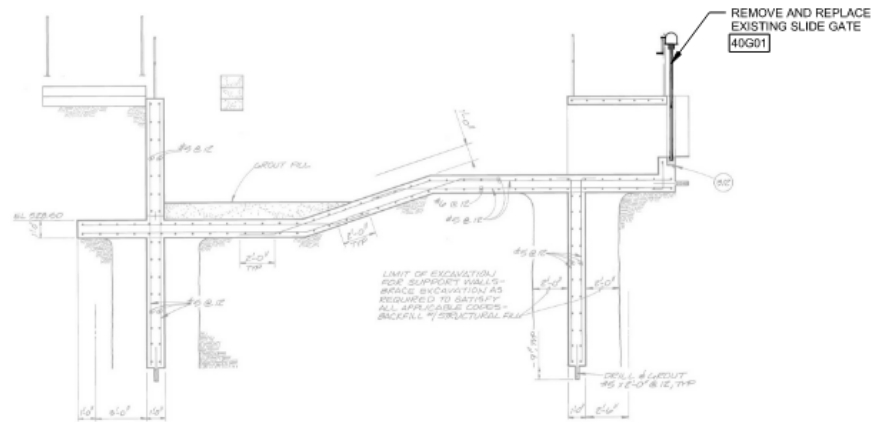
Gate replacement in effluent channel for northern aeration basins



1
40-M141
PROJECT NORTH
NORTHERN AERATION BASIN AREA PLAN
SCALE: NONE



2
40-M141
EXISTING AERATION BASIN EFFLUENT CHANNEL MODIFICATION PLAN
SCALE: NONE



3
40-M141 40-M141
EXISTING AERATION BASIN EFFLUENT CHANNEL MODIFICATION SECTION
SCALE: NONE

NOTES:

1. CONTRACTOR SHALL VERIFY ELEVATIONS, DIMENSIONS, AND MATERIALS OF EXISTING STRUCTURES, PIPING, AND EQUIPMENT PRIOR TO PURCHASING NEW GATE.
2. REMOVE AND DISPOSE OF ALL SOLIDS AND/OR LIQUIDS IN BASINS AS REQUIRED FOR ACCESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND REQUIREMENTS FOR SOLIDS REMOVAL AND OFFSITE DISPOSAL AND TO OBTAIN ANY REQUIRED PERMITS.
3. REFERENCE DRAWING IS PROVIDED FOR CONTRACTOR REFERENCE ONLY. ACTUAL FIELD CONDITIONS MAY VARY.
4. REFERENCE DRAWING IS A REDUCTION OF THE ORIGINAL AND IS NOT AN EXACTLY SCALED REPRODUCTION.
5. COORDINATE BASIN SHUTDOWN FOR GATE REPLACEMENT WITH OWNER.

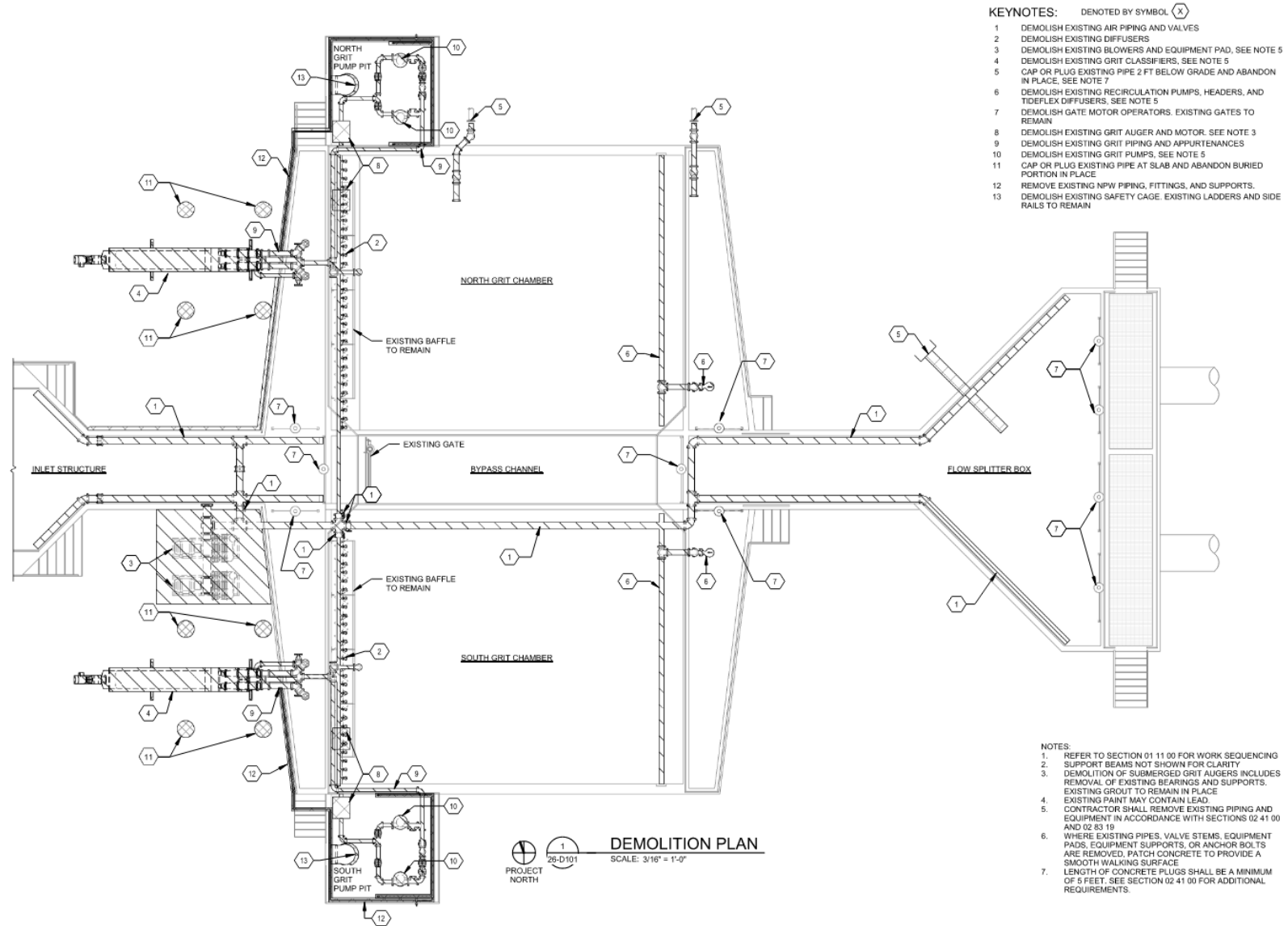


4
40-M141
VIEW OF EXISTING GATE TO BE REPLACED LOOKING SOUTHWEST
SCALE: NONE

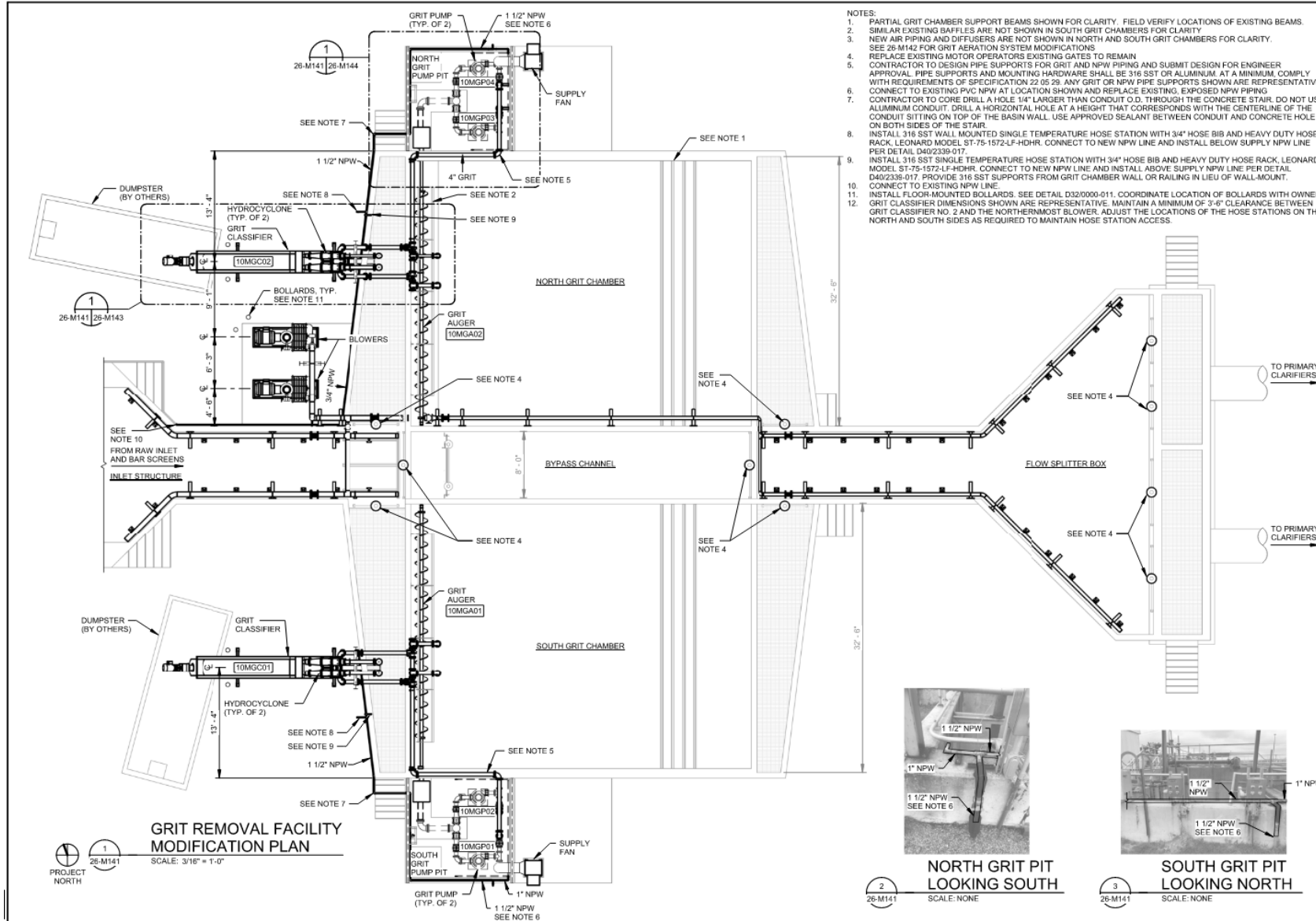
Grit Removal Facility Improvements



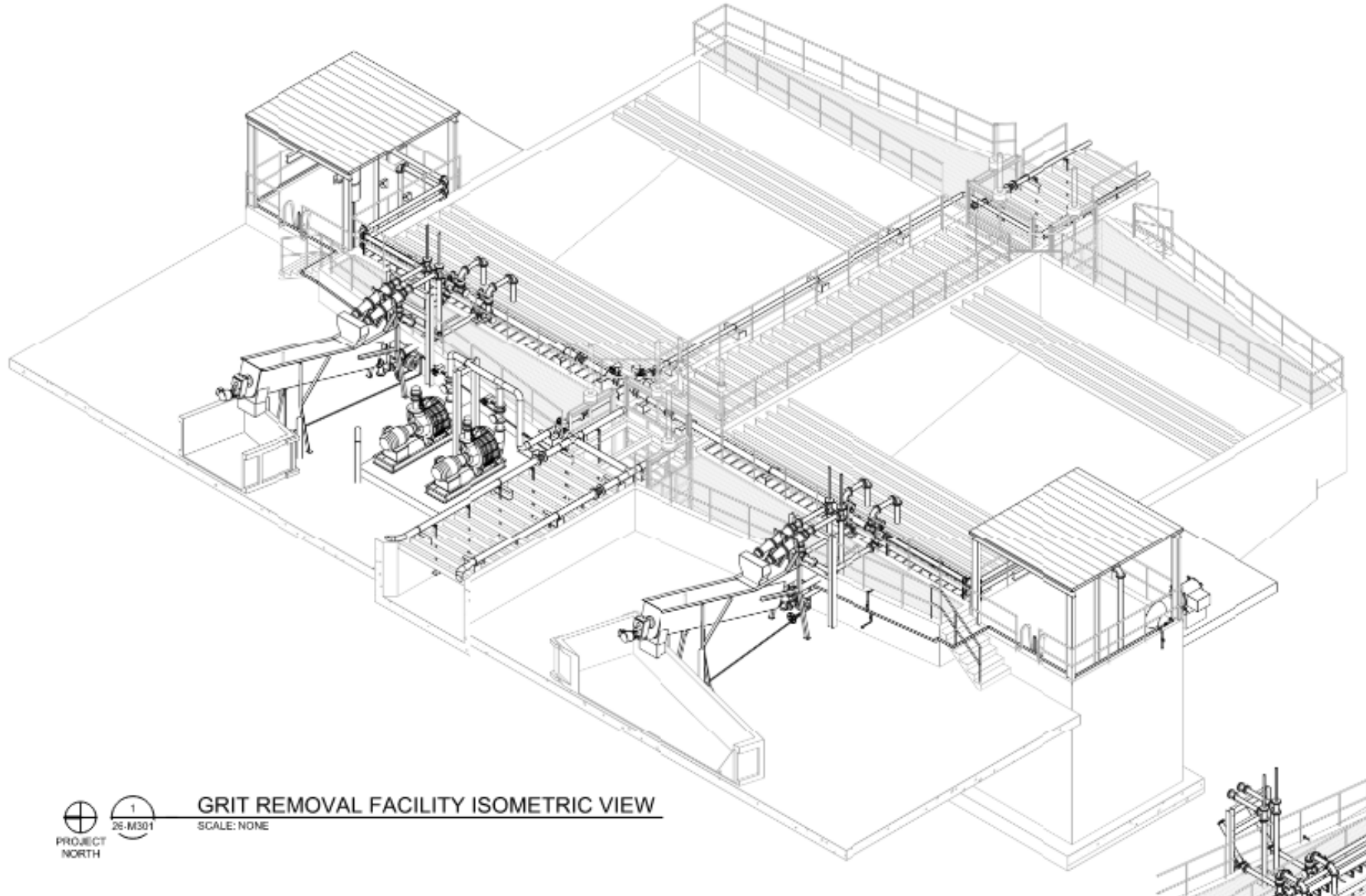
Grit Facility Demolition



Grit Facility Improvements



Grit Facility Improvements



GRIT REMOVAL FACILITY ISOMETRIC VIEW

SCALE: NONE

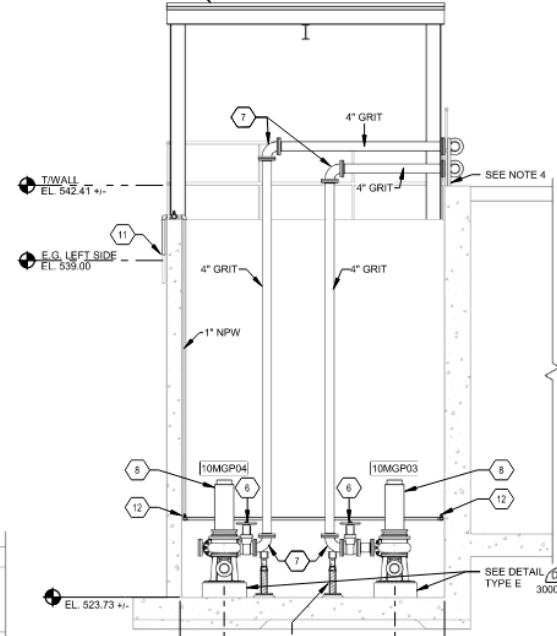
New grit augers, pumps, and piping

KEYNOTES: DENOTED BY SYMBOL (X)

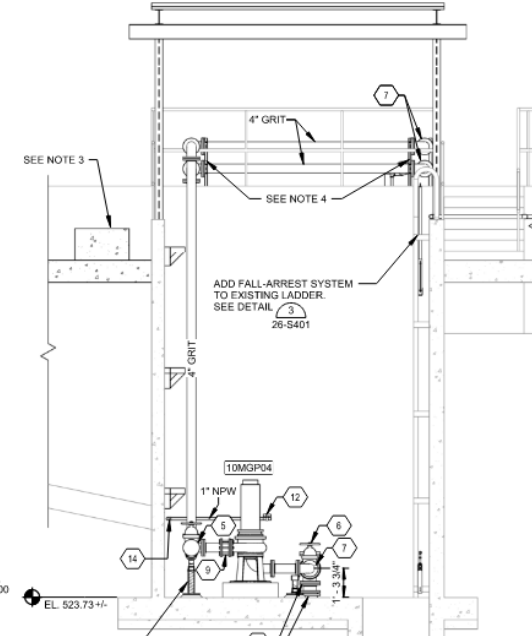
- 1 6" LONG RADIUS ELBOW, MJ X MJ
- 2 6" CROSS. CAP TOP BRANCH AND PROVIDE FLUSHING CONNECTION
- 3 6" MJ X FLG ELBOW
- 4 6" x 4" REDUCER
- 5 4" TEE. CAP RUN TO PROVIDE FLUSHING CONNECTION
- 6 4" V902 MANUAL PINCH VALVE
- 7 4" LONG RADIUS ELBOW, FLG X FLG
- 8 GRIT PUMP
- 9 DISMANTLING JOINT. MATCH TO CONNECTING PIPE SIZE
- 10 FLANGED COUPLING ADAPTOR
- 11 1 1/2" COUPLING ADAPTOR. CONNECT TO EXISTING PVC NPW AT GRADE
- 12 1" V330 BALL VALVE
- 13 1 1/2" TEE
- 14 1" ELBOW
- 15 1 1/2" ELBOW
- 16 GRIT AUGER DRIVE
- 17 1 1/2" V330 BALL VALVE

- NOTES:**
1. GRIT PIPING AND EQUIPMENT IS MIRRORED IN SOUTH GRIT PUMP PIT
 2. STRUCTURAL IMPROVEMENTS TYPICAL FOR BOTH GRIT PUMP PITS
 3. GRIT PUMP HVAC EQUIPMENT NOT SHOWN FOR CLARITY
 4. CONTRACTOR TO DESIGN PIPE SUPPORTS FOR GRIT AND NPW PIPING AND SUBMIT DESIGN FOR ENGINEER APPROVAL. PIPE SUPPORTS AND MOUNTING HARDWARE SHALL BE 316 SST OR ALUMINUM AT A MINIMUM, COMPLY WITH REQUIREMENTS OF SPECIFICATION 22.05.29. ANY GRIT OR NPW PIPE SUPPORTS SHOWN ARE REPRESENTATIVE
 5. EXISTING SUMP PUMPS AND PIPING NOT SHOWN FOR CLARITY

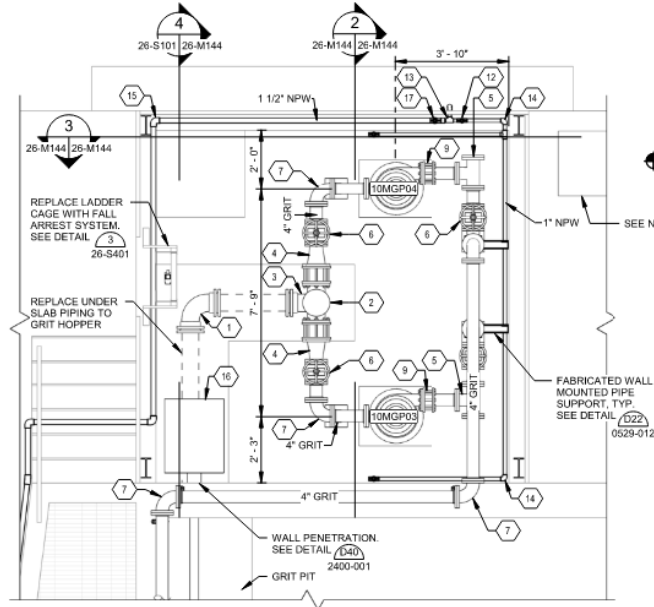
REPLACE GRIT PUMP PIT CANOPY WITH PRE-ENGINEERED CANOPY



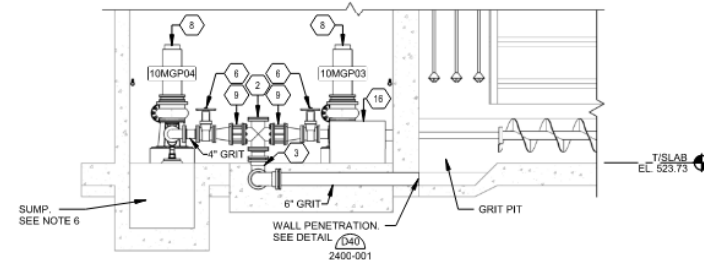
GRIT PUMP PIT SECTION
26-M144 26-M144 SCALE: 3/8" = 1'-0"



GRIT PUMP PIT SECTION
26-M144 26-M144 SCALE: 3/8" = 1'-0"



ENLARGED GRIT PUMP PIT PLAN
26-M144 26-M144 SCALE: 1/2" = 1'-0"
PROJECT NORTH

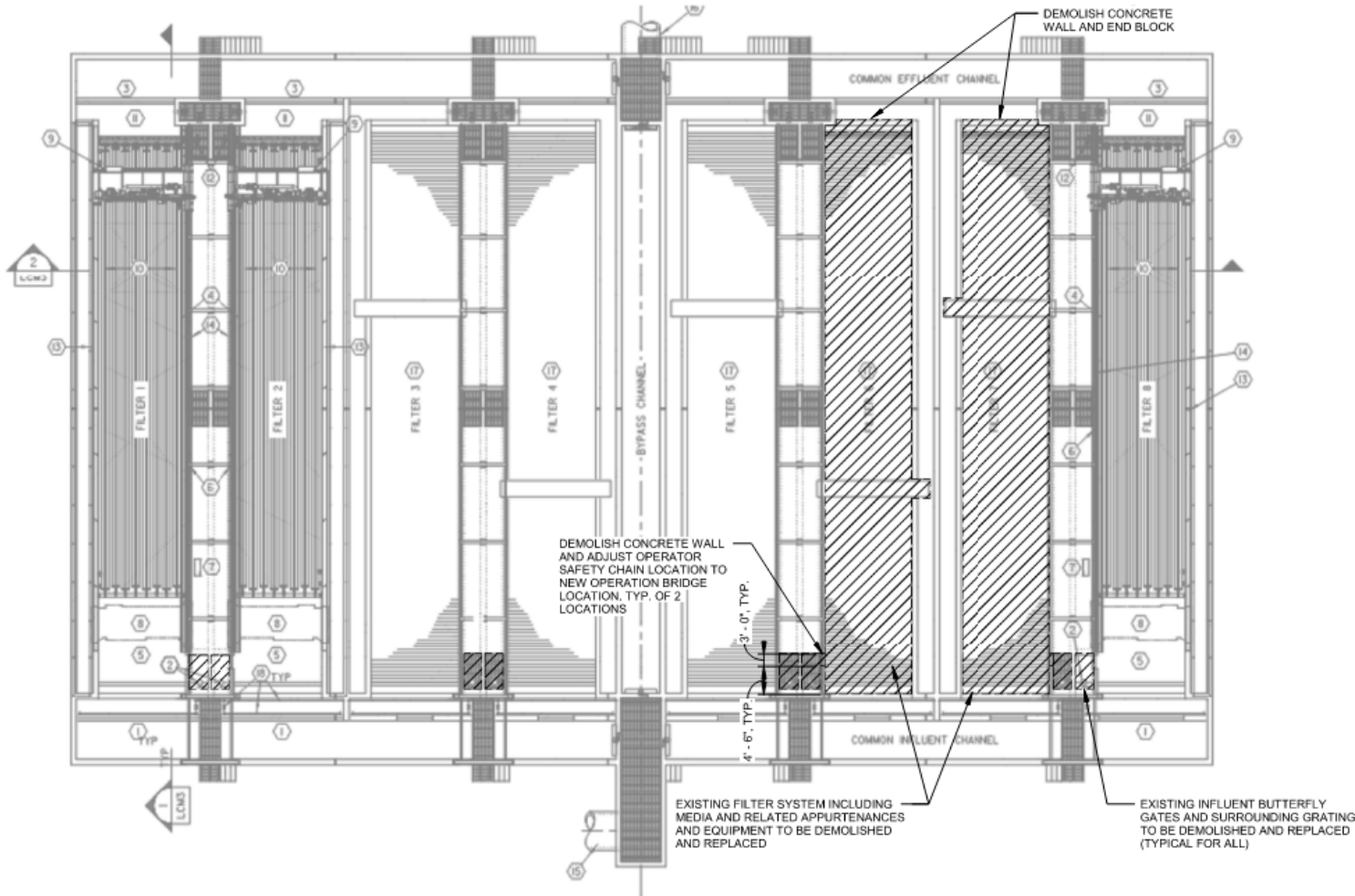


GRIT PIT SECTION
26-S101 26-M144 SCALE: 3/8" = 1'-0"

Tertiary Filtration Improvements



Tertiary Filter Area Demolition



NOTES:

1. REFER TO SPECIFICATION 01 11 00 SUMMARY FOR WORK SEQUENCING.
2. THE OWNER WILL RETAIN SALVAGE RIGHTS TO ALL MATERIAL AND EQUIPMENT. THE CONTRACTOR SHALL DISPOSE OF THE MATERIAL AND EQUIPMENT NOT RETAINED BY THE OWNER OFFSITE.
3. CONTRACTOR SHALL VERIFY ELEVATIONS, DIMENSIONS, AND MATERIALS OF EXISTING STRUCTURES, PIPING AND EQUIPMENT.
4. REMOVE AND DISPOSE OF ALL SOLIDS AND/OR LIQUIDS IN BASINS TO BE MODIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND REQUIREMENTS FOR SOLIDS REMOVAL AND OFFSITE DISPOSAL AND TO OBTAIN ANY REQUIRED PERMITS. REFER TO SPECIFICATION 02 41 00.
5. REFERENCE DRAWINGS ARE PROVIDED FOR CONTRACTOR REFERENCE ONLY. ACTUAL FIELD CONDITIONS MAY VARY.
6. REFERENCE DRAWINGS ARE REDUCTIONS OF ORIGINALS AND ARE NOT EXACTLY SCALED REPLICAS.
7. CONTRACTOR SHALL REMOVE EXISTING EQUIPMENT AND PORTIONS OF STRUCTURES IN ACCORDANCE WITH SPECIFICATION 02 41 00.
8. CONTRACTORS SHALL SALVAGE ALL I&C EQUIPMENT INCLUDING HMIs AND PLCs AND TURN OVER TO SAWS EXCEPT WHERE SPECIFICALLY NOTED ON THE DRAWINGS.
9. CONTRACTOR TO REPAIR/PATCH CONCRETE SURFACES AFTER DEMOLISHING WALLS, END BLOCKS, SLABS, EQUIPMENT, OR CONDUIT. PATCH ALL UNUSED WALLS PENETRATIONS AFTER REMOVAL OF PIPING, CONDUIT, OR OTHER UTILITIES.
10. CONTRACTOR SHALL TEMPORARILY REMOVE EXISTING NPW LINES AND/OR CLS LINES AS REQUIRED FOR FILTER REPLACEMENT. IF NPW AND/OR CLS LINES ARE DAMAGED DURING REMOVAL, CONTRACTOR SHALL REPLACE NPW AND/OR CLS LINES TO MATCH EXISTING MATERIAL TYPE, SIZE, AND COATING AT NO ADDITIONAL COST TO THE OWNER. AFTER REINSTALLATION, NPW AND/OR CLS LINES SHALL BE TESTED TO CONFIRM PROPER OPERATION. NOTIFY OWNER PRIOR TO TESTING.
11. FILTER NUMBERS SHOWN ON THIS SHEET ARE EXISTING. FILTERS ARE TO BE RE-NUMBERED FROM SOUTH TO NORTH AS PART OF THIS PROJECT.

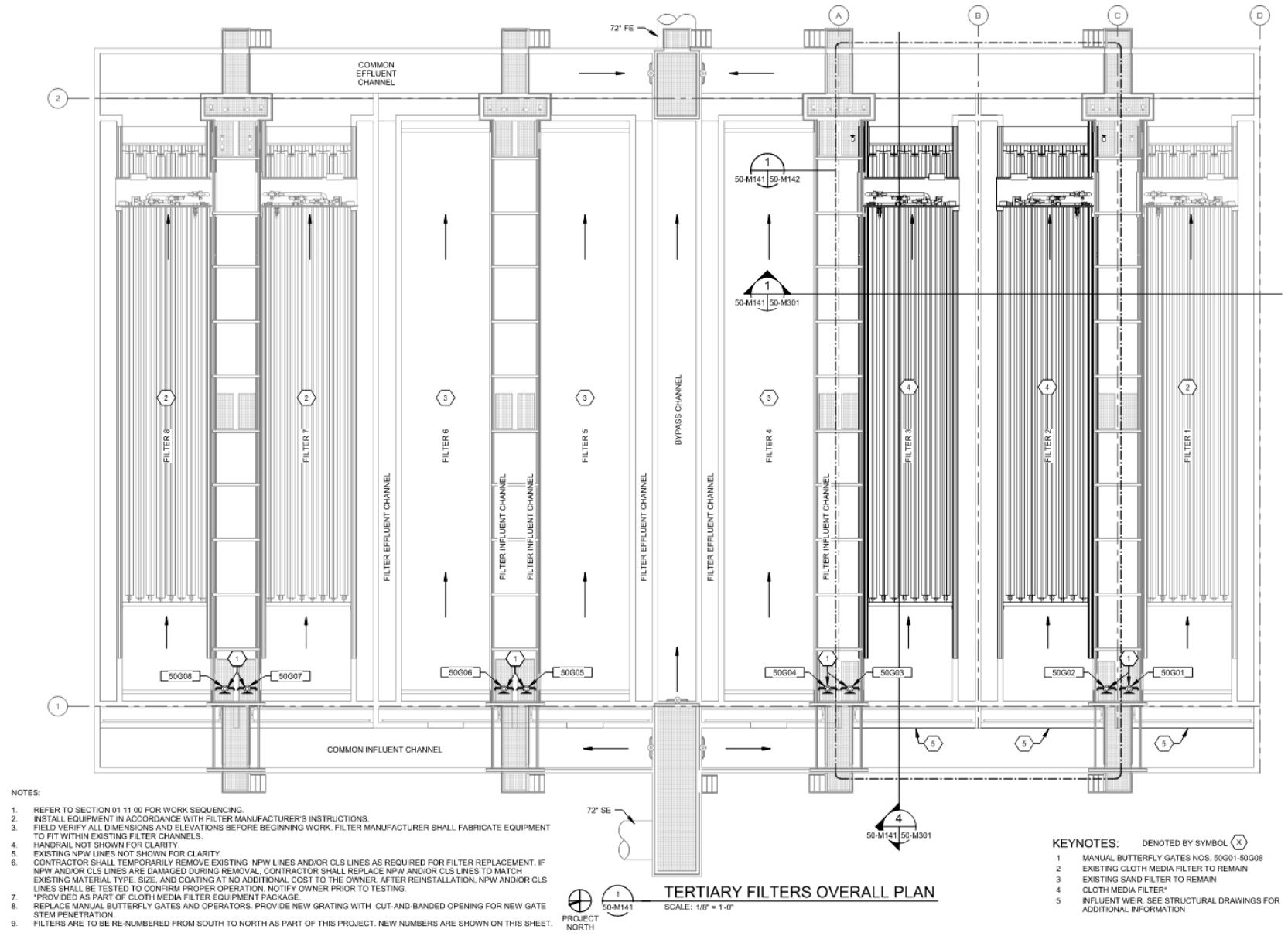


1
50-D101

TERTIARY FILTER DEMOLITION PLAN

SCALE: NONE

Tertiary Filtration Improvements



NOTES:

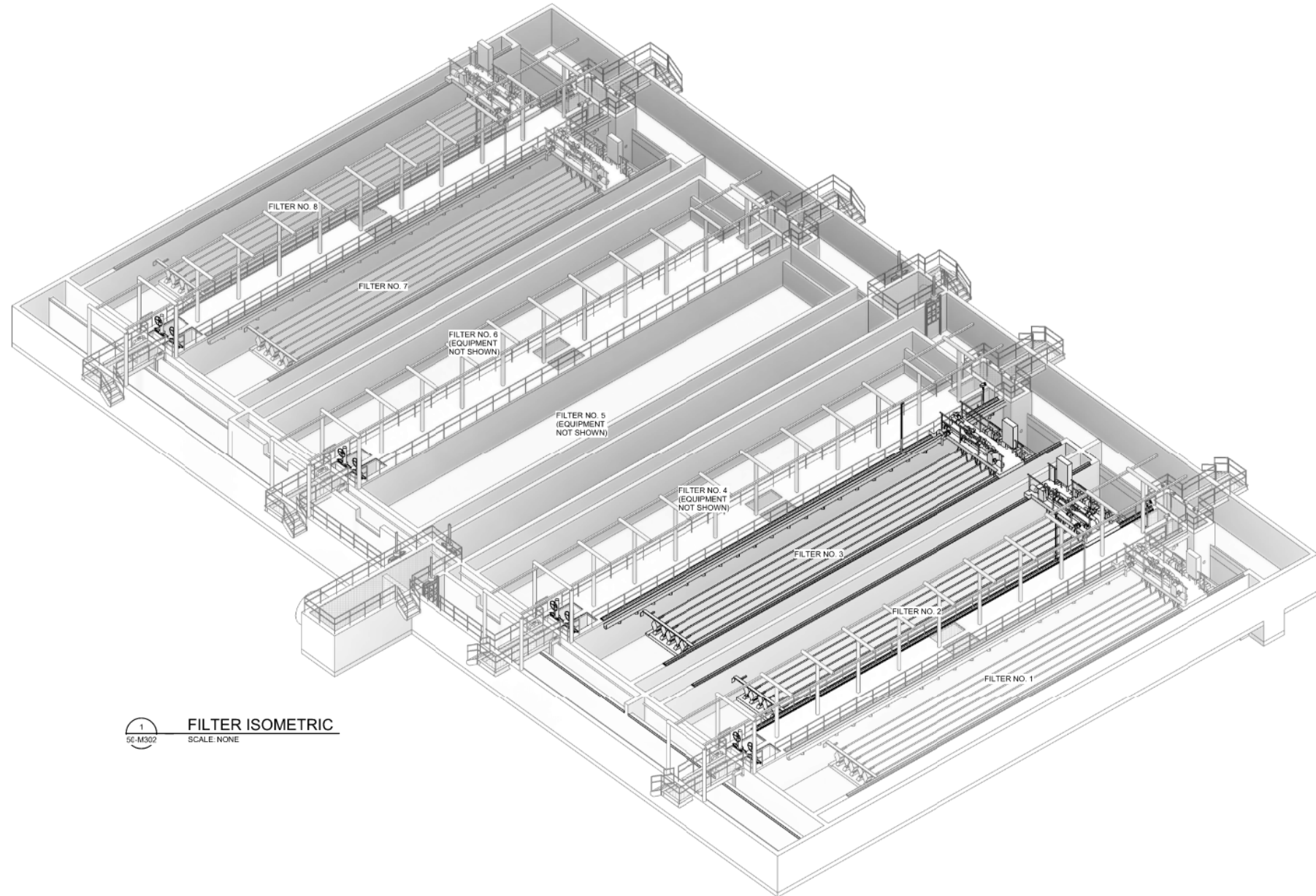
1. REFER TO SECTION 01 11 00 FOR WORK SEQUENCING.
2. INSTALL EQUIPMENT IN ACCORDANCE WITH FILTER MANUFACTURER'S INSTRUCTIONS.
3. FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS BEFORE BEGINNING WORK. FILTER MANUFACTURER SHALL FABRICATE EQUIPMENT TO FIT WITHIN EXISTING FILTER CHANNELS.
4. HANDRAIL NOT SHOWN FOR CLARITY.
5. EXISTING NPW LINES NOT SHOWN FOR CLARITY.
6. CONTRACTOR SHALL TEMPORARILY REMOVE EXISTING NPW LINES AND/OR CLS LINES AS REQUIRED FOR FILTER REPLACEMENT. IF NPW AND/OR CLS LINES ARE DAMAGED DURING REMOVAL, CONTRACTOR SHALL REPLACE NPW AND/OR CLS LINES TO MATCH EXISTING MATERIAL TYPE, SIZE, AND COATING AT NO ADDITIONAL COST TO THE OWNER. AFTER REINSTALLATION, NPW AND/OR CLS LINES SHALL BE TESTED TO CONFIRM PROPER OPERATION. NOTIFY OWNER PRIOR TO TESTING.
7. *PROVIDED AS PART OF CLOTH MEDIA FILTER EQUIPMENT PACKAGE.
8. REPLACE MANUAL BUTTERFLY GATES AND OPERATORS. PROVIDE NEW GRATING WITH CUT-AND-BANDED OPENING FOR NEW GATE STEM PENETRATION.
9. FILTERS ARE TO BE RE-NUMBERED FROM SOUTH TO NORTH AS PART OF THIS PROJECT. NEW NUMBERS ARE SHOWN ON THIS SHEET.

KEYNOTES: DENOTED BY SYMBOL (X)

1. MANUAL BUTTERFLY GATES NOS. 50G01-50G08
2. EXISTING CLOTH MEDIA FILTER TO REMAIN
3. EXISTING SAND FILTER TO REMAIN
4. CLOTH MEDIA FILTER*
5. INFLUENT WEIR. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

 PROJECT NORTH
 50-M141
TERTIARY FILTERS OVERALL PLAN
 SCALE: 1/8" = 1'-0"

Tertiary Filtration Improvements



1
56-M302

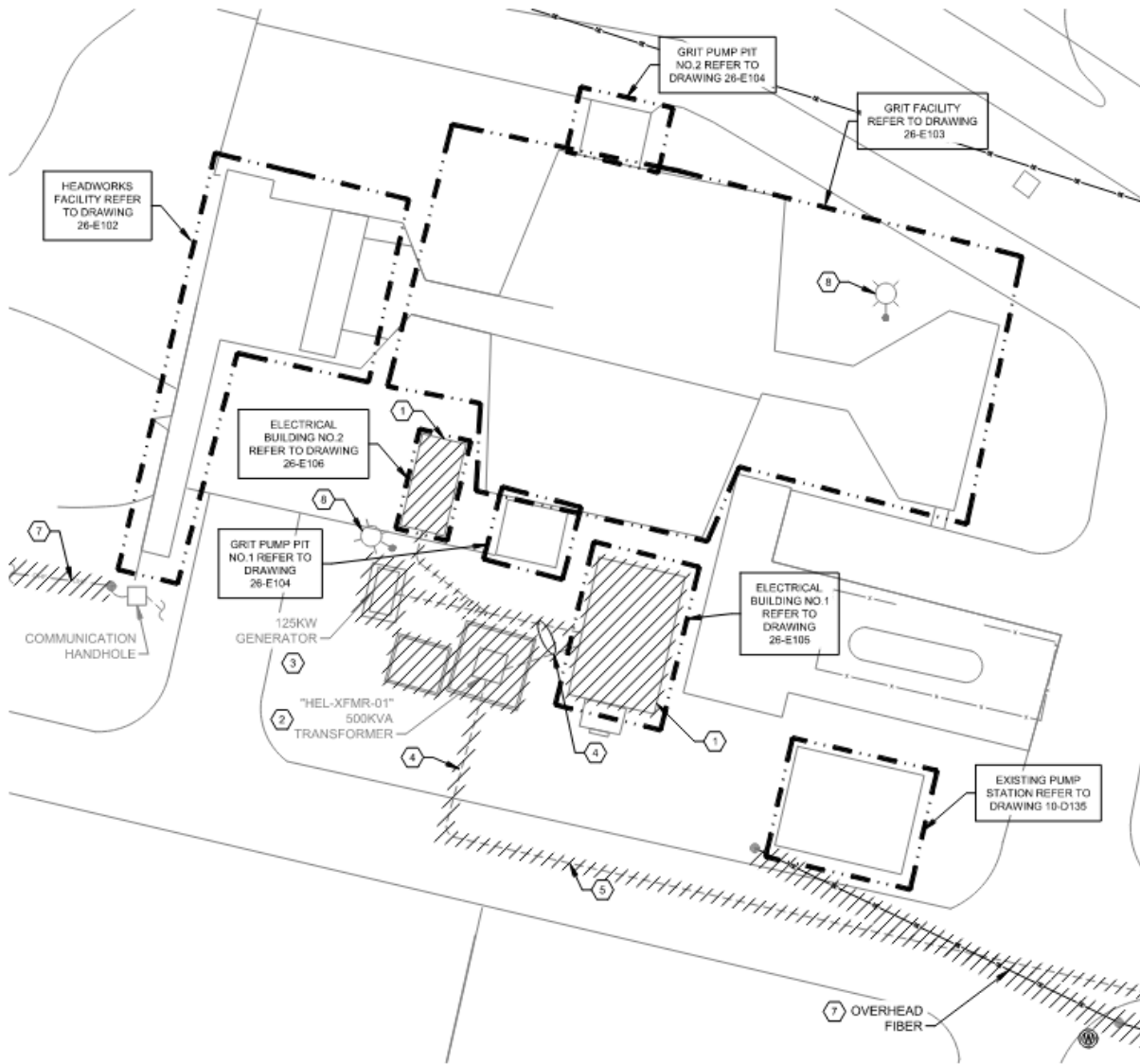
FILTER ISOMETRIC
SCALE: NONE

Electrical, Instrumentation, and Controls Improvements

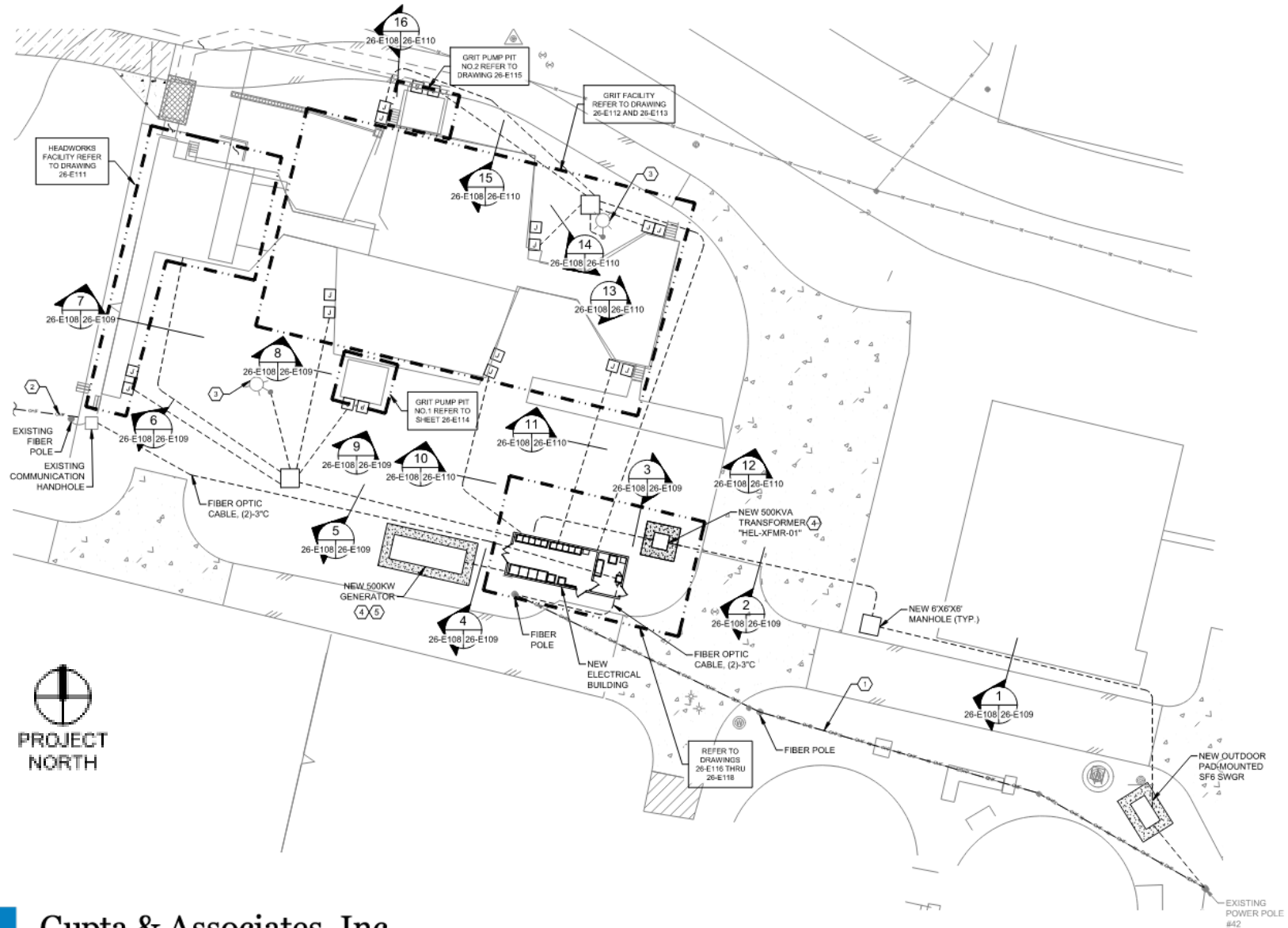
GAI



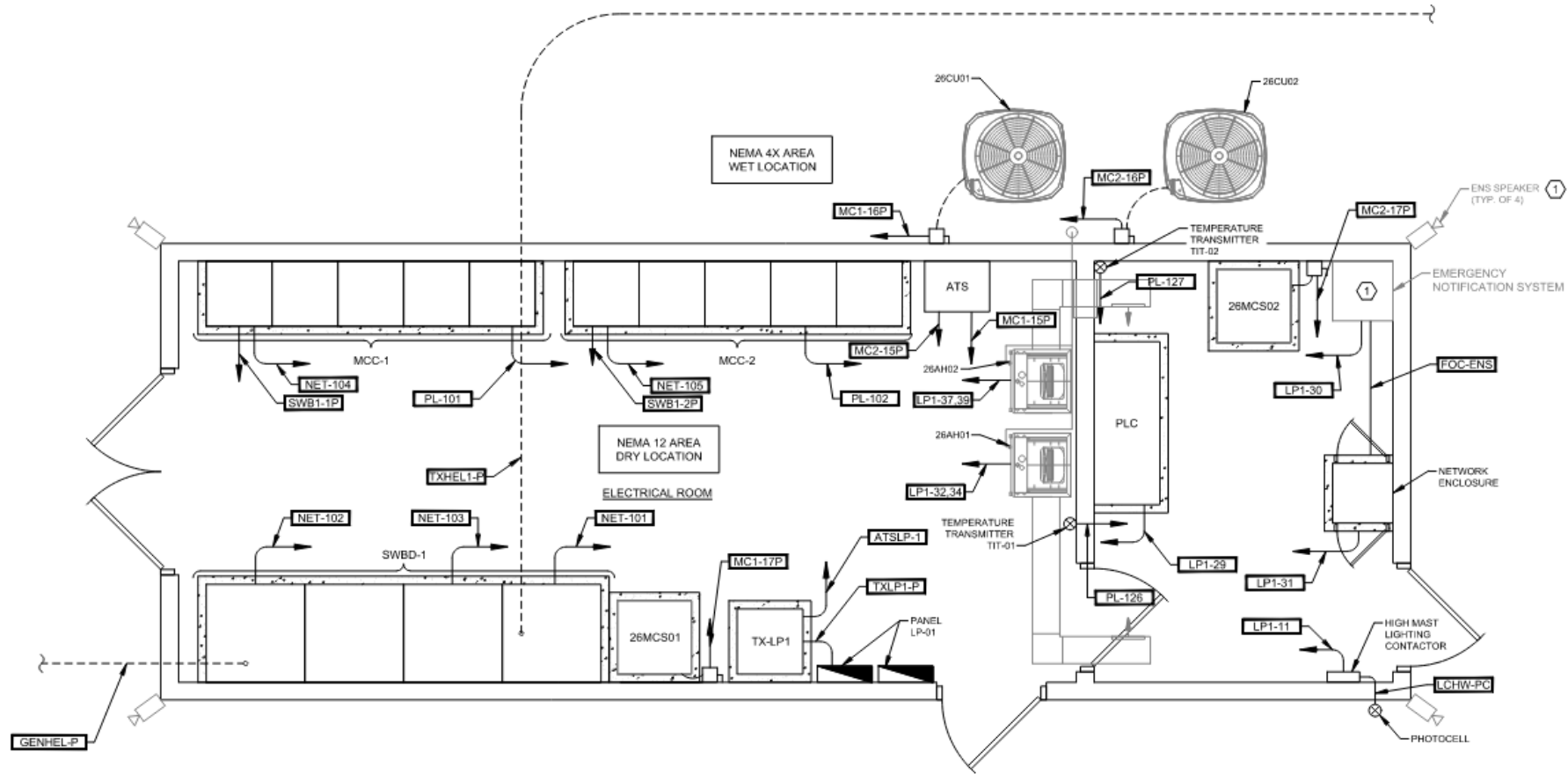
Electrical Demolition at Grit Facility





Grit Facility Electrical Site Plan

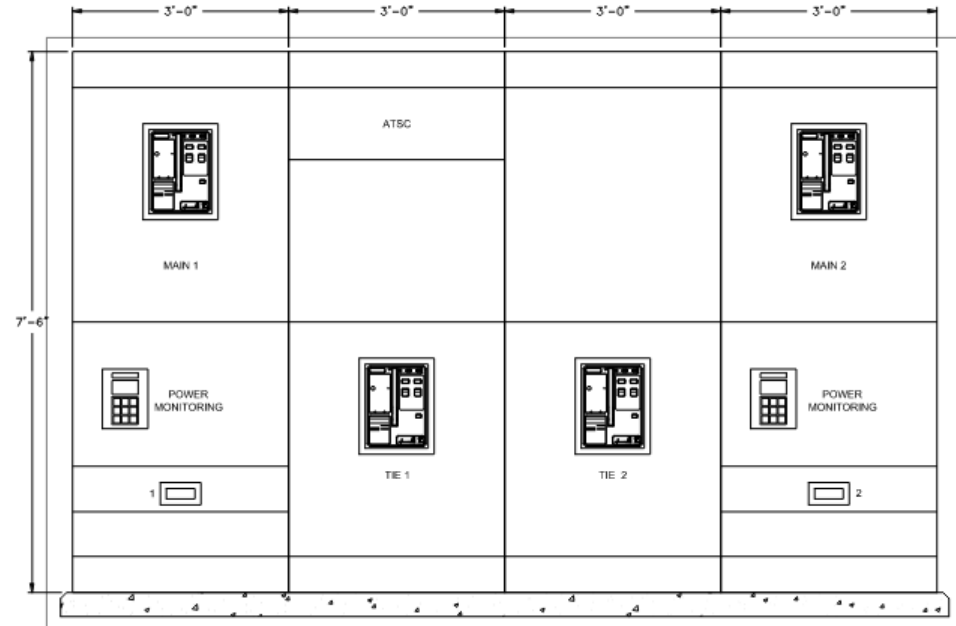
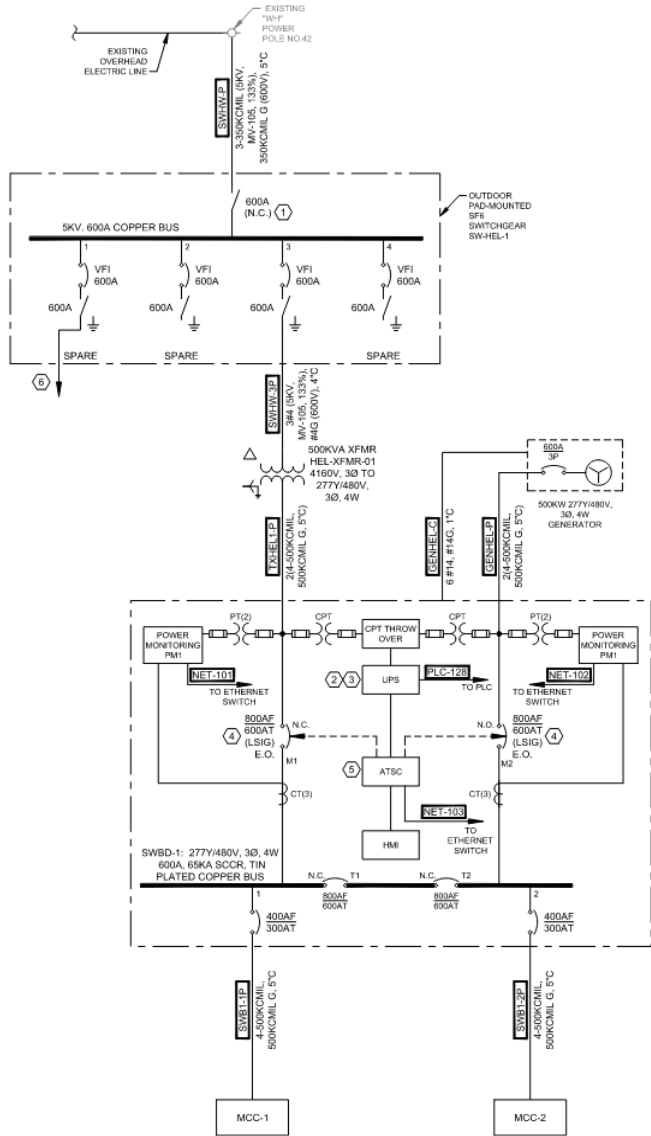


Grit Facility Electrical Building

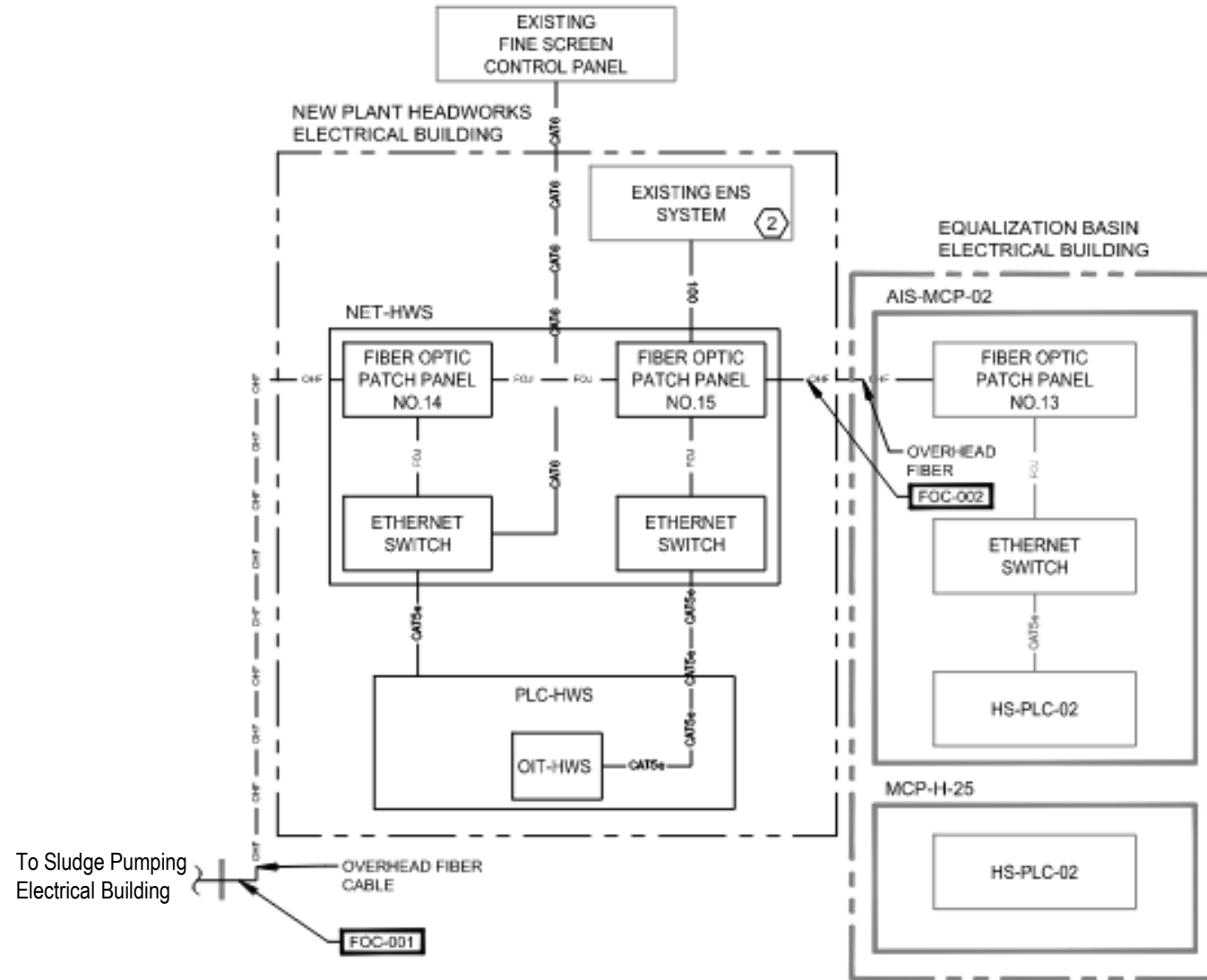




ELECTRICAL BUILDING POWER PLAN
 PROJECT NORTH 26-E116 SCALE: 1/8" = 1'-0"

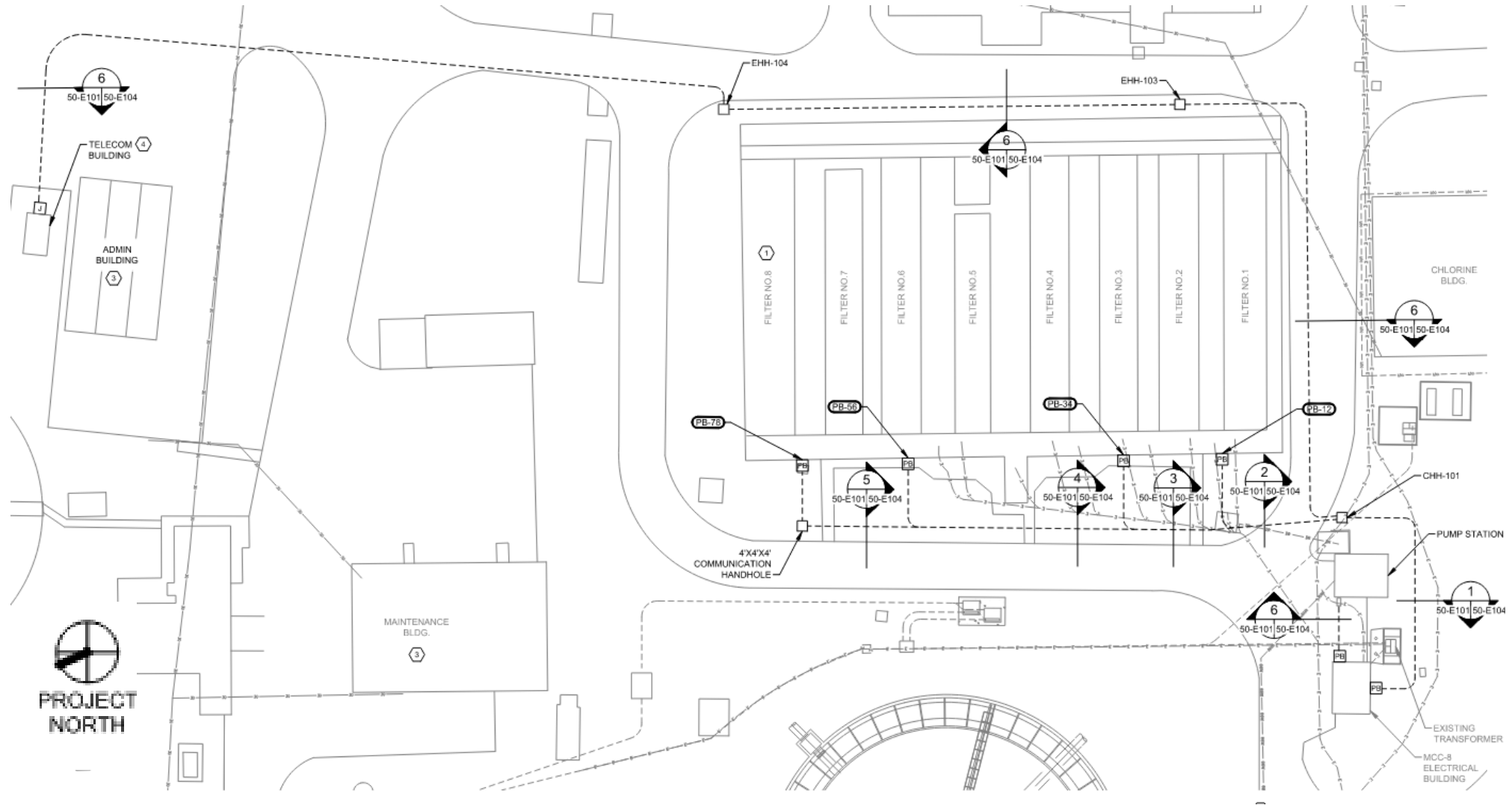
Grit Facility One-Line Diagram



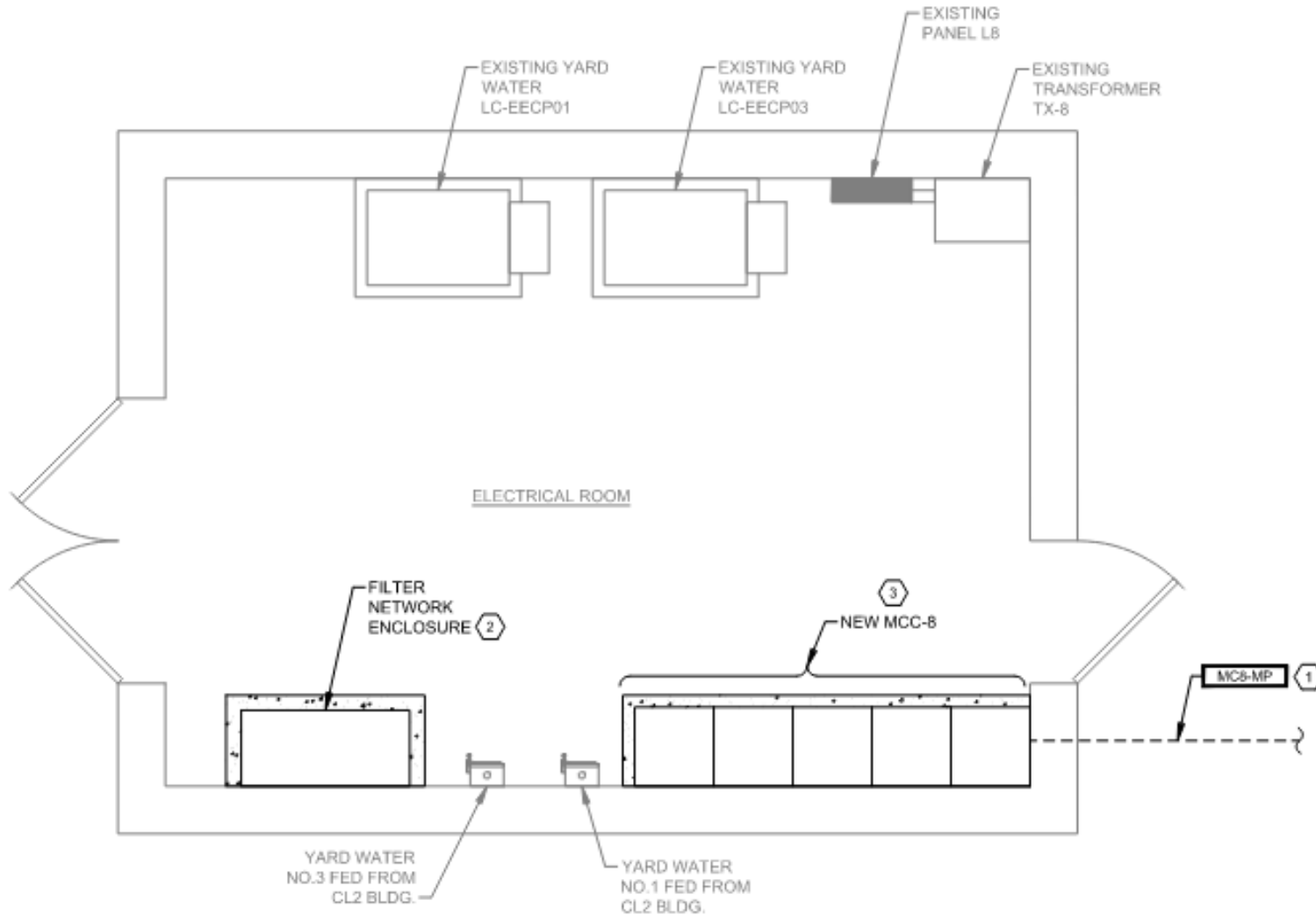
Grit Facility Network Architecture



Tertiary Filters Electrical Site Plan

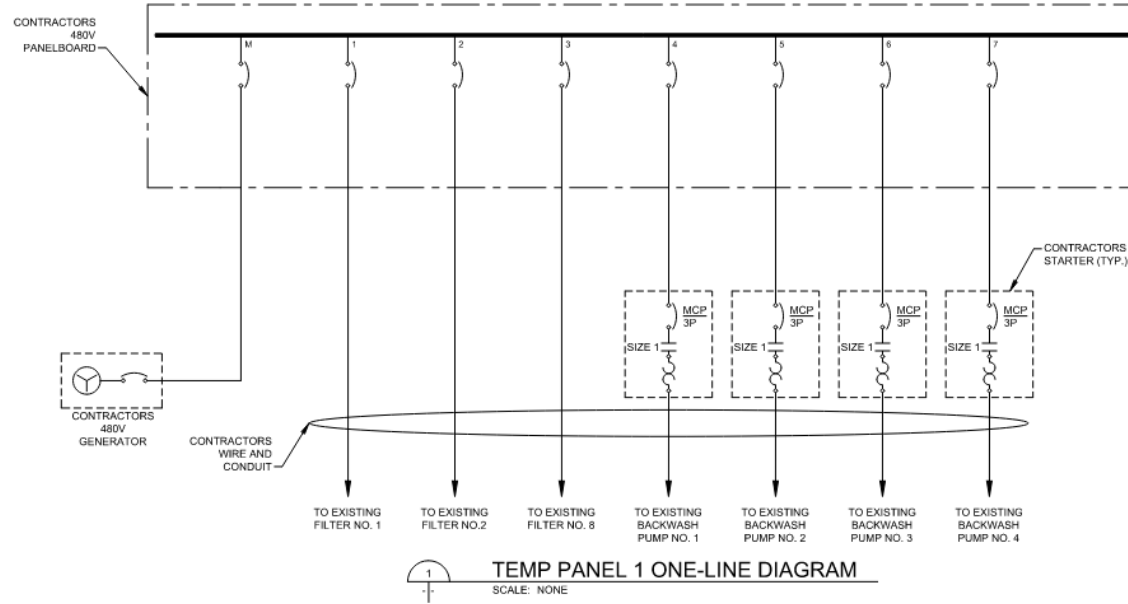


Tertiary Filters Electrical Building

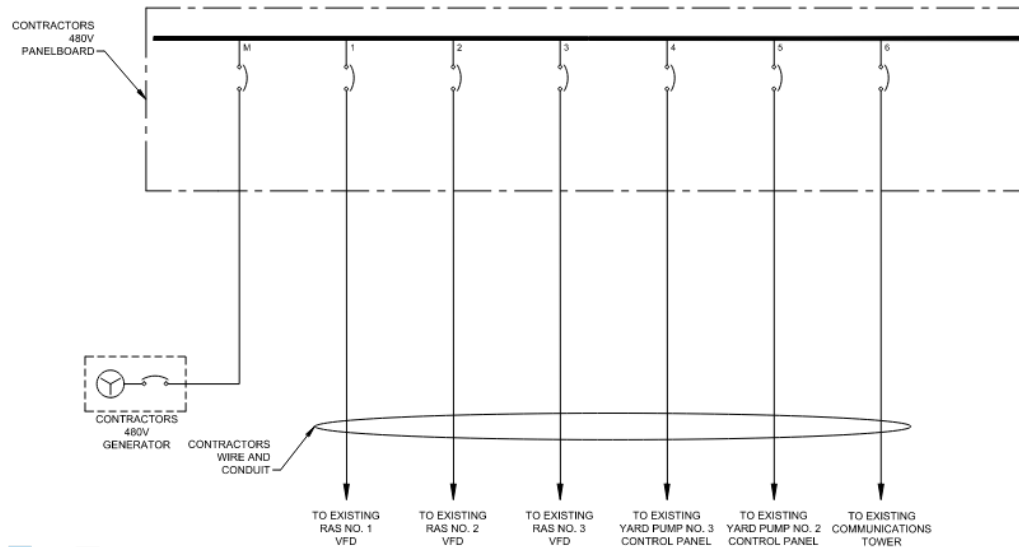


M	2	8	9	16	17	26
	3	10	11	18	19	27
	4	13		20	21	28
	5	12		22		29
	6	14		23	24	SPACE
	7			25		30
1			SPACE			

Tertiary Filters Temporary Power

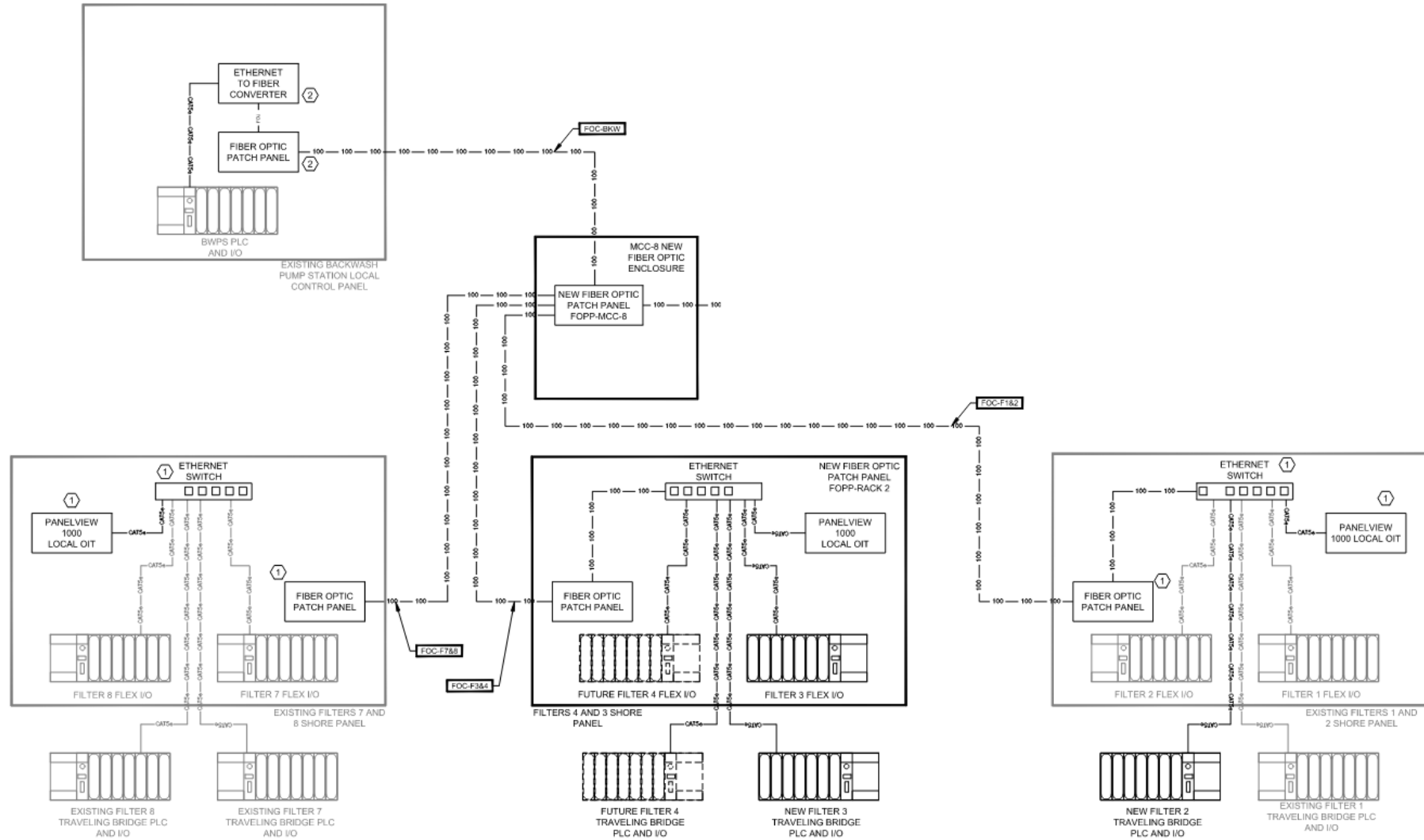


- Existing Filters 1, 2, 8
- BW Pumps 1 thru 4

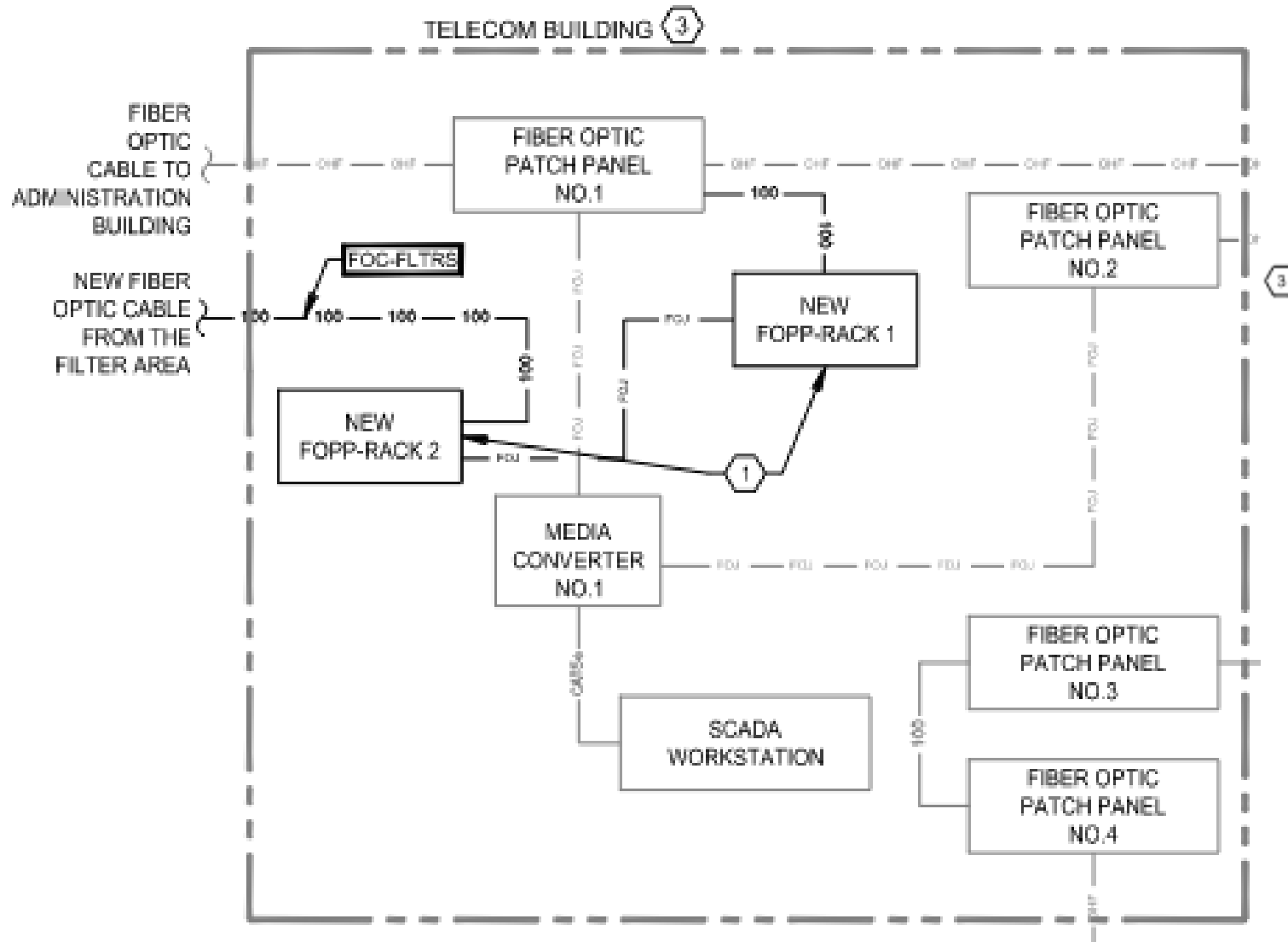


- RAS 1 thru 3
- Yard Pumps 2, 3
- Communication Tower

Tertiary Filters Network Architecture

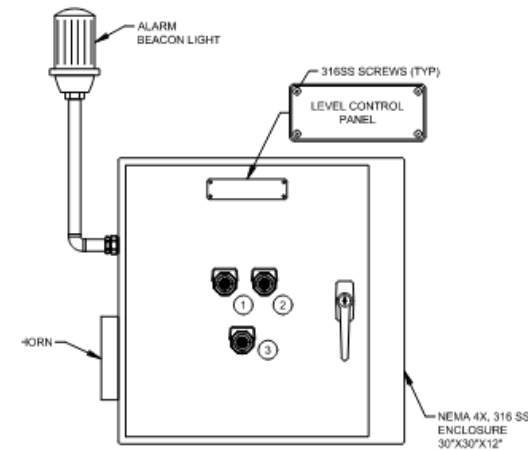
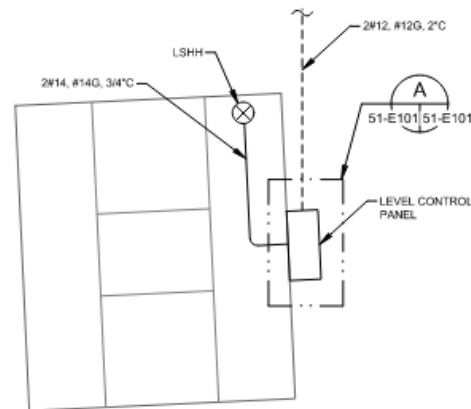
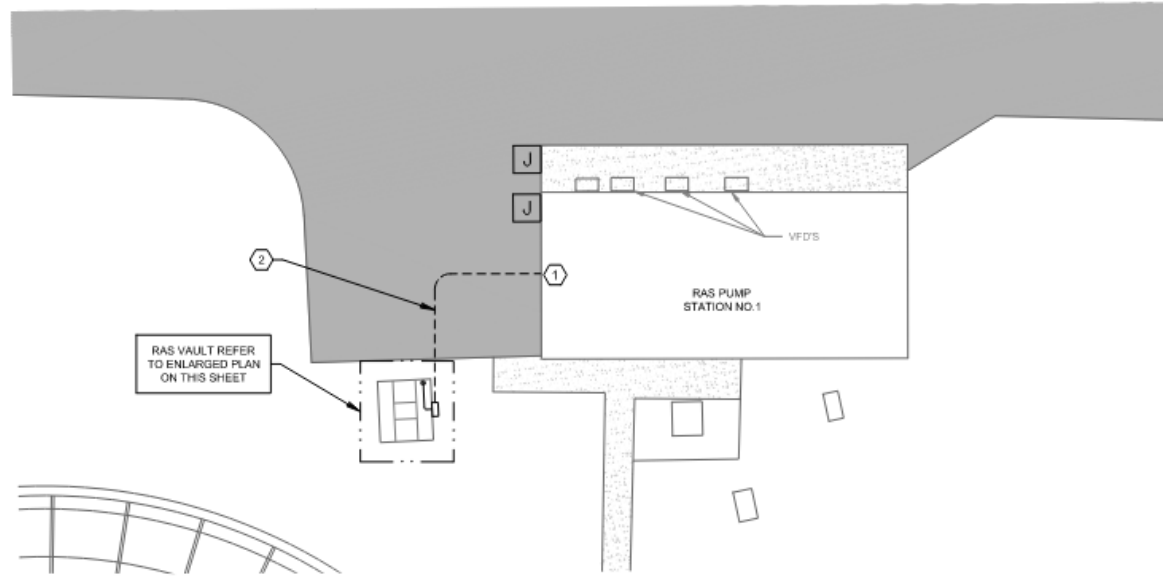


Tertiary Filters Network Architecture



NEW TELECOM BUILDING AND TRAILERS FOR ADMIN, OPERATIONS, AND MAINTENANCE ARE CURRENTLY BEING CONSTRUCTED IN HOUSE BY SAWS. COORDINATE ALL SCADA WORK, FIBER WORK, ETC WITH SAWS BEFORE BEGINNING.

Improvements at the Return Activated Sludge Chlorine Injection Point



Civil Site Improvements



Civil Site Improvements

Access Road Improvements

- Asphalt & Concrete Paving
- Pipe Culvert/Drainage
- Access Road Suggested Phasing Plan
 - Uninterrupted Access to Disinfection Building
 - Uninterrupted Access to Headworks Facility

NPW Valve Replacement & Fire Hydrant Adjustments

Elevated Storage Tank Demolition

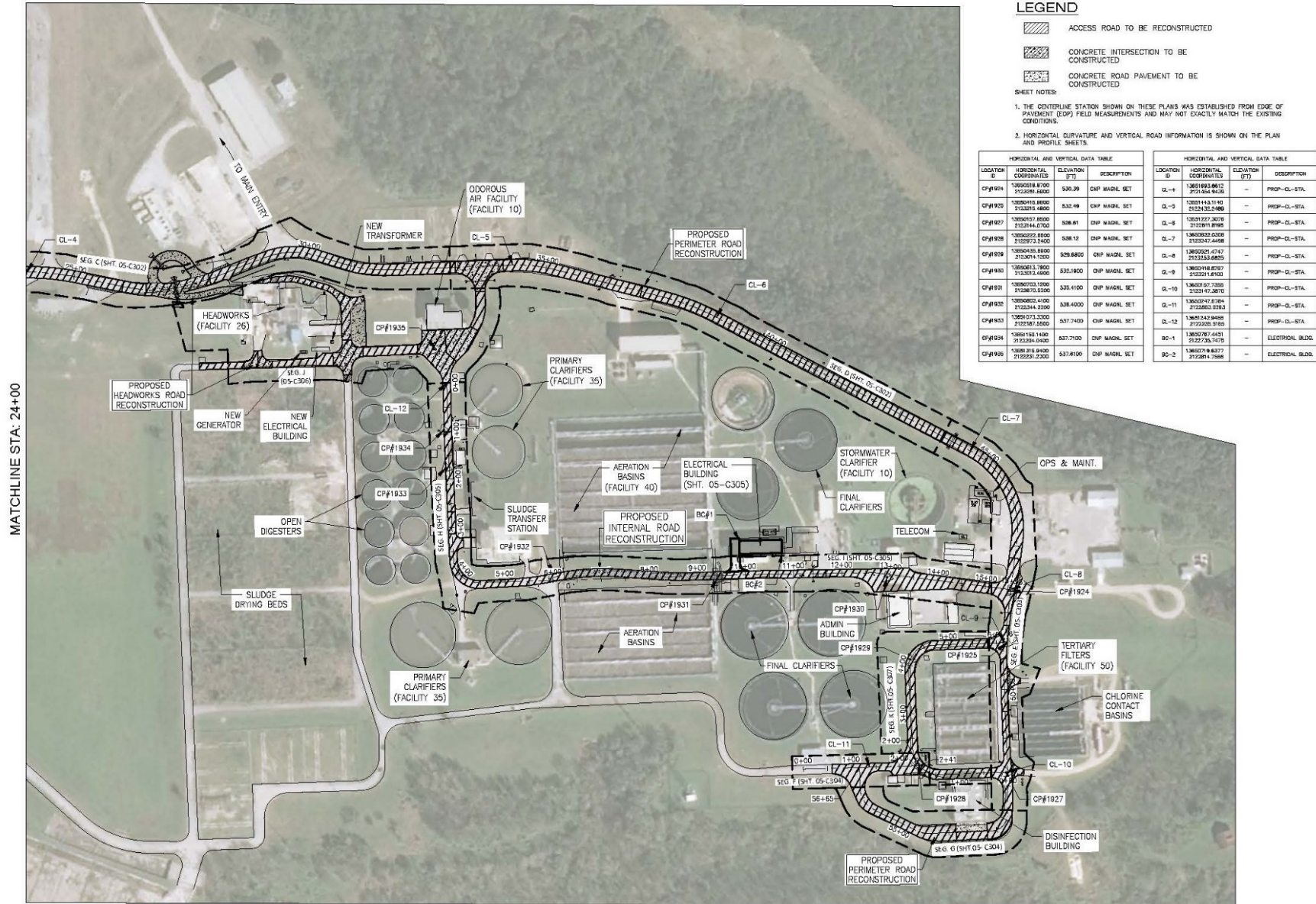
Existing Site Plan



EXISTING SITE PLAN

SCALE: 1" = 200'

Paving Plan (1 OF 2)



MATCHLINE STA: 24+00



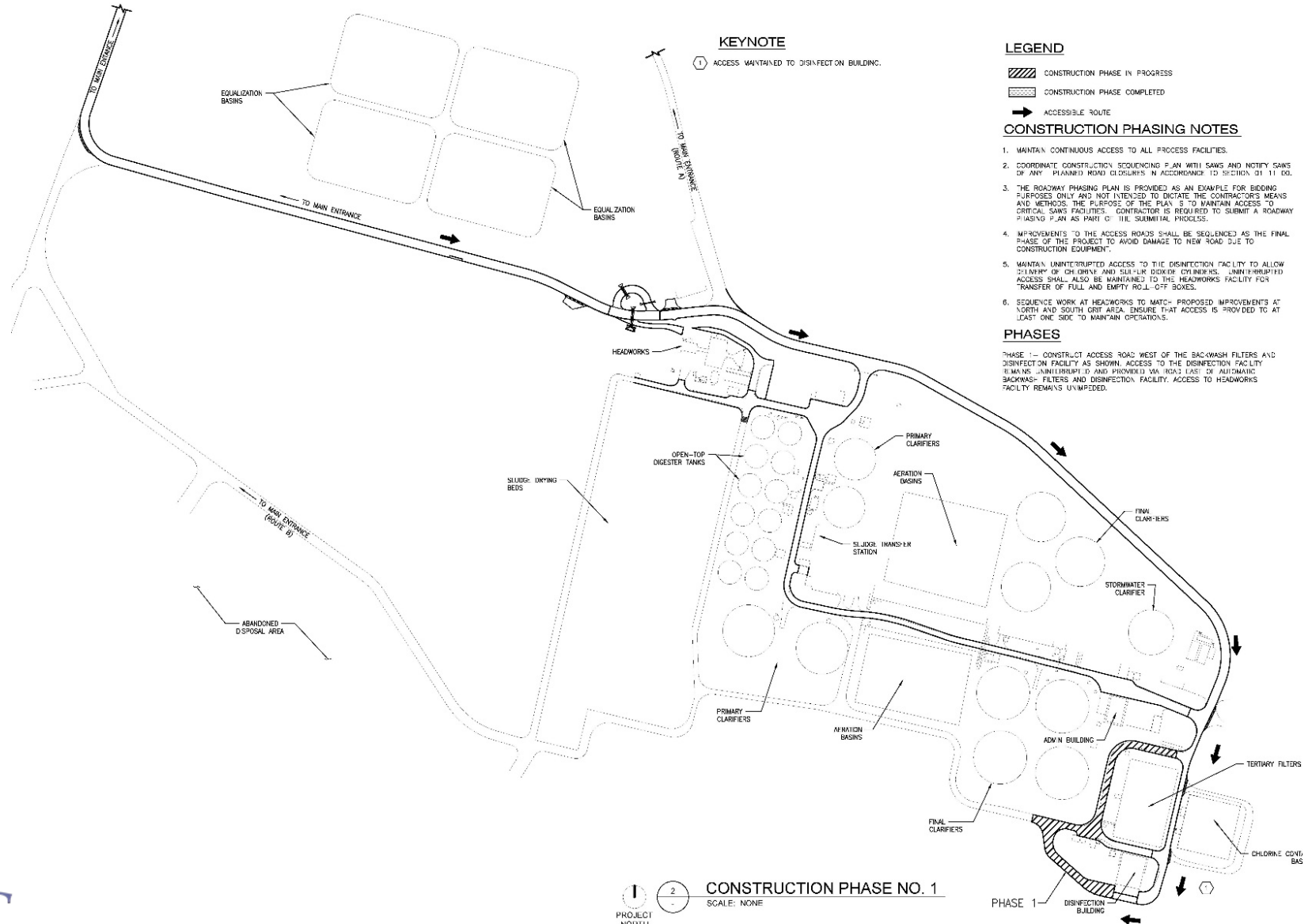
Paving Plan (2 OF 2)



MATCHLINE STA: 24+00

PROJECT MAPS
OVERALL SITE PLAN
SCALE: 1" = 100'

Phasing Plan 1



KEYNOTE

- ① ACCESS MAINTAINED TO DISINFECTON BUILDING.

LEGEND

- CONSTRUCTION PHASE IN PROGRESS
- CONSTRUCTION PHASE COMPLETED
- ACCESSIBLE ROUTE

CONSTRUCTION PHASING NOTES

1. MAINTAIN CONTINUOUS ACCESS TO ALL PROCESS FACILITIES.
2. COORDINATE CONSTRUCTION SEQUENCING PLAN WITH SANS AND NOTIFY SANS OF ANY PLANNED ROAD CLOSURES IN ACCORDANCE TO SECTION 01 11 00.
3. THE ROADWAY PHASING PLAN IS PROVIDED AS AN EXAMPLE FOR BIDDING PURPOSES ONLY AND NOT INTENDED TO DICTATE THE CONTRACTOR'S MEANS AND METHODS. THE PURPOSE OF THE PLAN IS TO MAINTAIN ACCESS TO CRITICAL SANS FACILITIES. CONTRACTOR IS REQUIRED TO SUBMIT A ROADWAY PHASING PLAN AS PART OF THE SUBMITTAL PROCESS.
4. IMPROVEMENTS TO THE ACCESS ROADS SHALL BE SEQUENCED AS THE FINAL PHASE OF THE PROJECT TO AVOID DAMAGE TO NEW ROAD DUE TO CONSTRUCTION EQUIPMENT.
5. MAINTAIN UNINTERRUPTED ACCESS TO THE DISINFECTION FACILITY TO ALLOW DELIVERY OF CHLORINE AND SLL-CLR DIOXIDE CYLINDERS. UNINTERRUPTED ACCESS SHALL ALSO BE MAINTAINED TO THE HEADWORKS FACILITY FOR TRANSFER OF FULL AND EMPTY ROLL-OFF BOWLS.
6. SEQUENCE WORK AT HEADWORKS TO MATCH PROPOSED IMPROVEMENTS AT NORTH AND SOUTH CRIT AREA. ENSURE THAT ACCESS IS PROVIDED TO AT LEAST ONE SIDE TO MAINTAIN OPERATIONS.

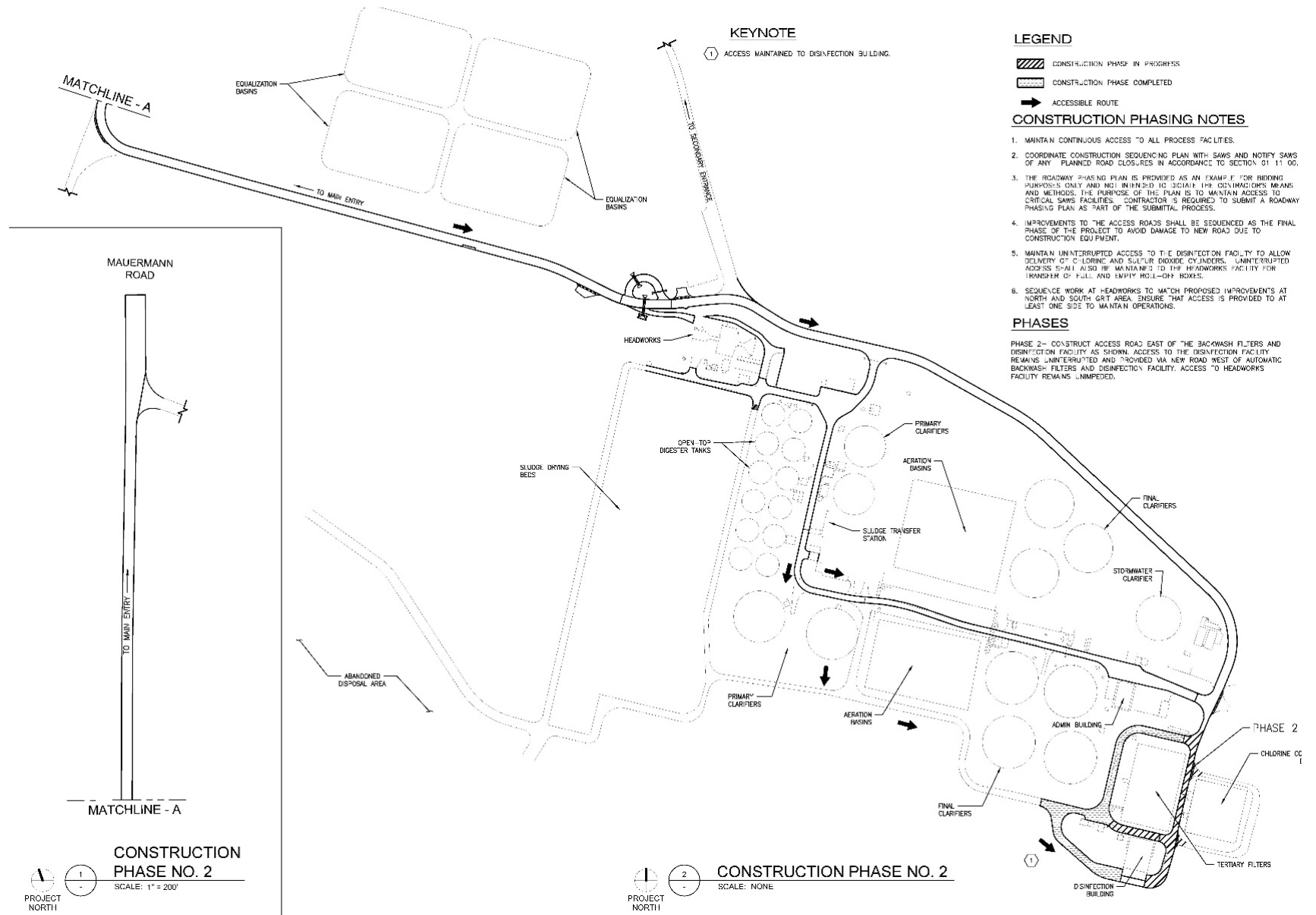
PHASES

PHASE 1 - CONSTRUCT ACCESS ROAD WEST OF THE SLAGWASH FILTERS AND DISINFECTION FACILITY AS SHOWN. ACCESS TO THE DISINFECTION FACILITY REMAINS UNINTERRUPTED AND PROVIDED VIA ROAD EAST OF AUTOMATIC SLAGWASH FILTERS AND DISINFECTION FACILITY. ACCESS TO HEADWORKS FACILITY REMAINS UNIMPEDED.

CONSTRUCTION PHASE NO. 1
 SCALE: NONE
 PROJECT NORTH



Phasing Plan 2



CONSTRUCTION
PHASE NO. 2

SCALE: 1" = 200'



PROJECT
NORTH

CONSTRUCTION PHASE NO. 2

SCALE: NONE

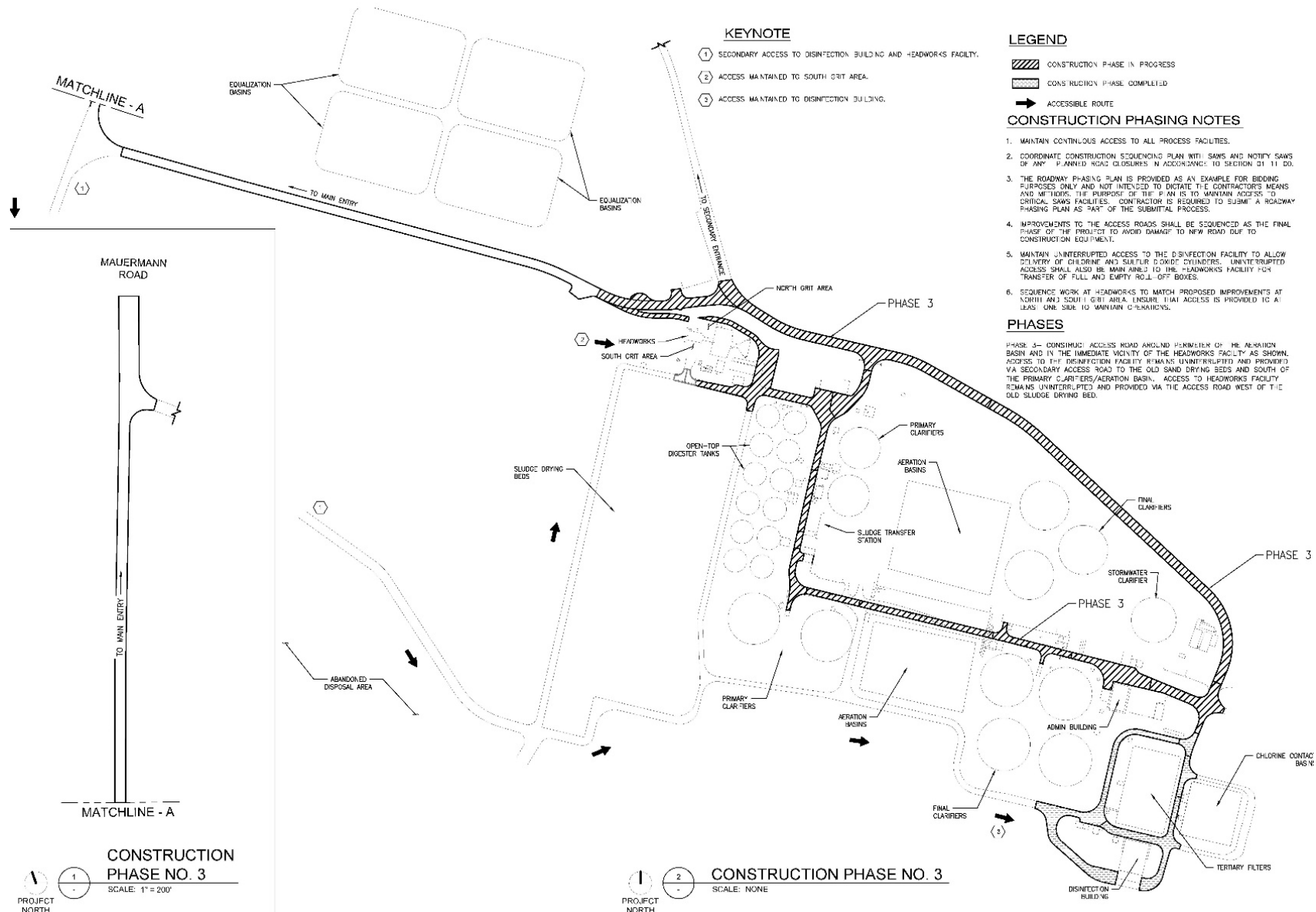


PROJECT
NORTH



GARCIA INFRASTRUCTURE CONSULTANTS, LLC

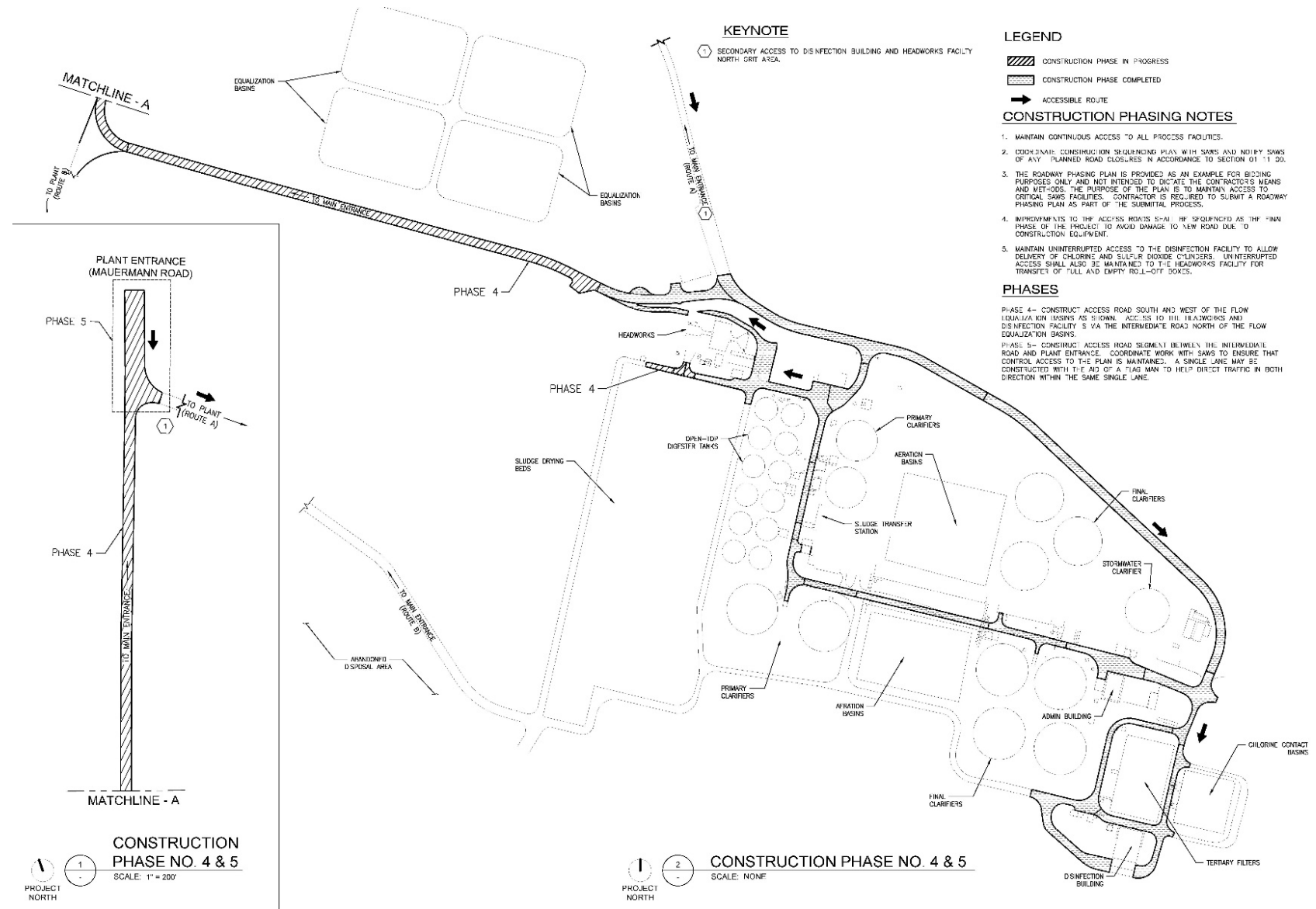
Phasing Plan 3



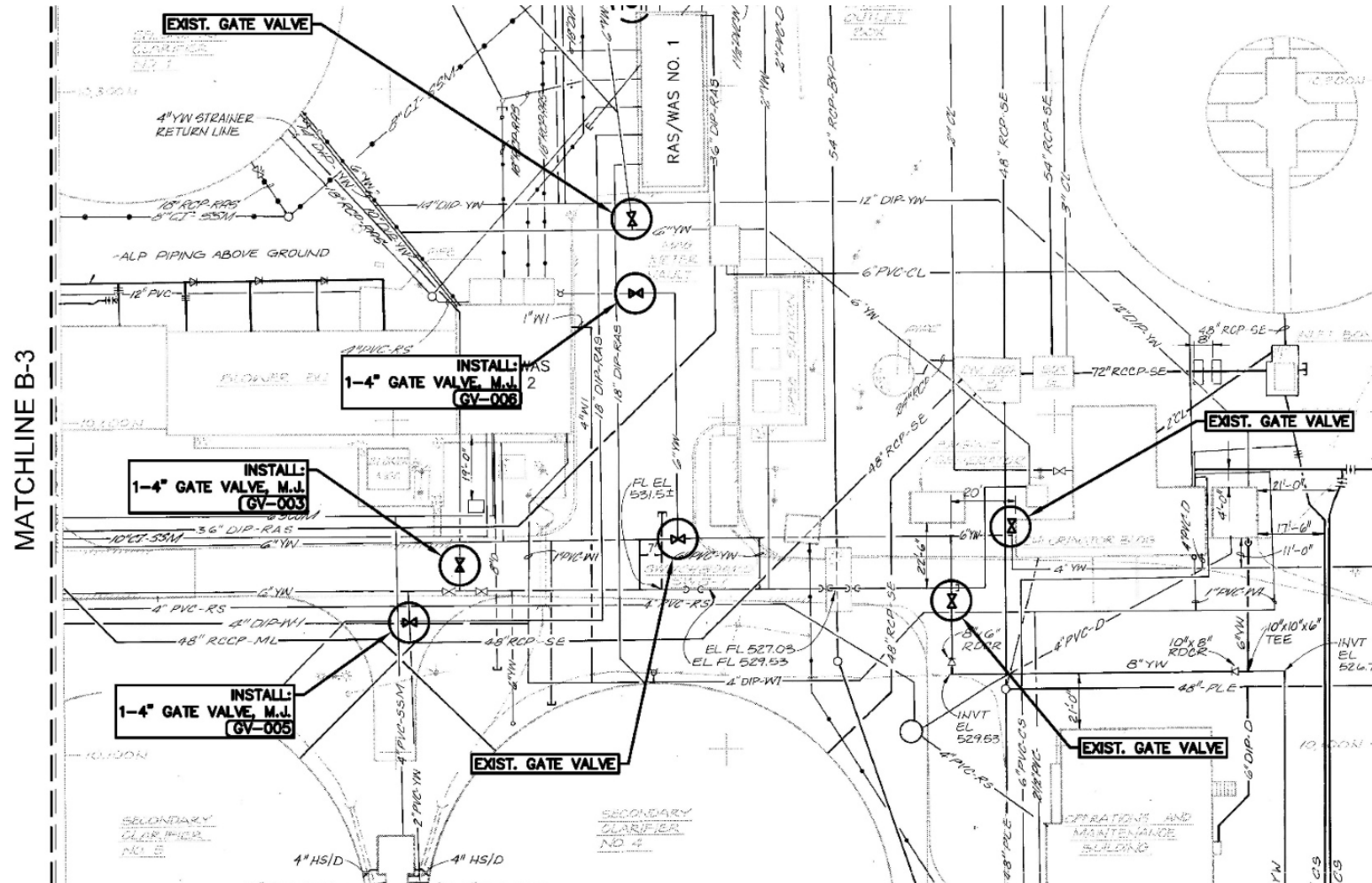
CONSTRUCTION PHASE NO. 3
 SCALE: 1" = 200'
 PROJECT NORTH

CONSTRUCTION PHASE NO. 3
 SCALE: NONE
 PROJECT NORTH

Phasing Plan 4

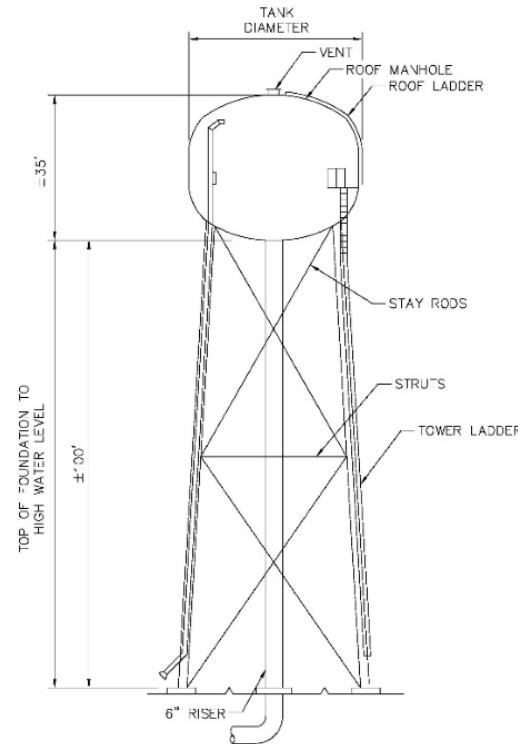
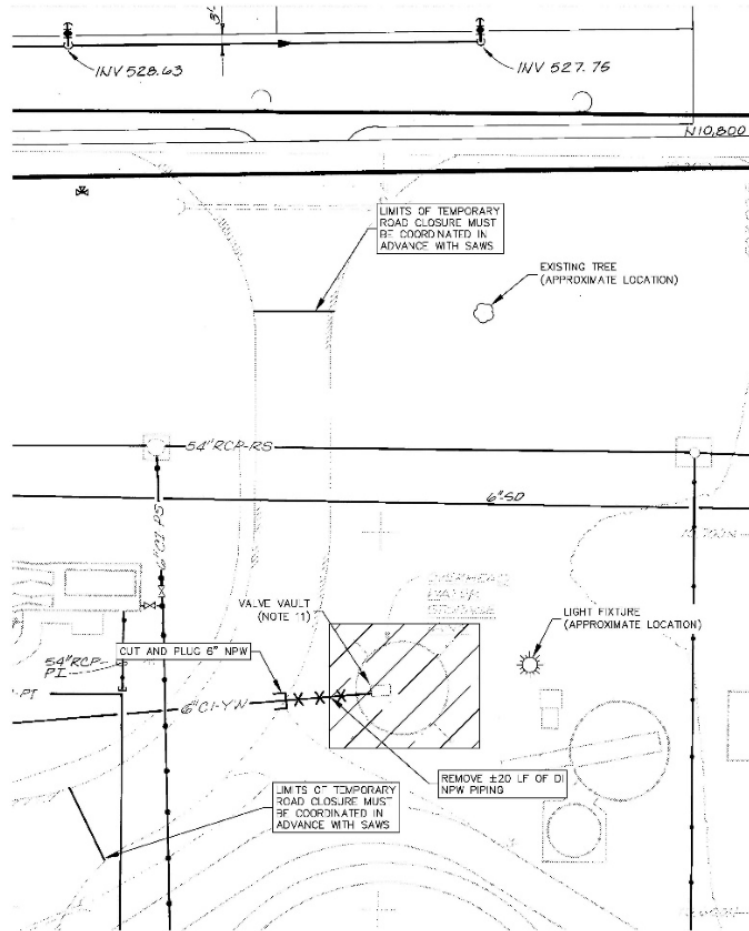


NPW System Improvements



NPW Gate Valve Replacement & Fire Hydrant Adjustment

ELEVATED STORAGE TANK DEMOLITION



2 N.P.W. MULTI-LEG STEEL TANK
NIS

GENERAL NOTES:

- SEE SHEET XX FOR GENERAL NOTES AND DEMOLITION NOTES.
- EXISTING TREE AND MAST LIGHT FIXTURE TO BE PROTECTED AT ALL TIMES DURING CONSTRUCTION.
- ALL MATERIAL INTENDED TO BE DEMOLISHED AND REMOVED SHALL BECOME THE CONTRACTOR'S PROPERTY. CONTRACTOR IS FULLY RESPONSIBLE FOR THE SAFE AND PROPER REMOVAL AND DISPOSAL OF ALL ITEMS IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- REMOVE AND DISPOSE OF ALL PIPING CONCRETE FOOTING, SLAB, TO 36-INCH BELOW NATURAL GROUND SUBSURFACE.
- EXISTING UNDERGROUND UTILITIES ARE SHOWN BASED ON BEST AVAILABLE RECORD DRAWINGS INFORMATION AND ARE APPROXIMATE ONLY. SAWS OR THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES AS REQUIRED FOR CONSTRUCTION.
- ALL EXISTING UTILITIES MUST BE PROTECTED THROUGHOUT THE DEMOLITION PROCESS.
- REFER TO DEMOLITION NOTES ON SHEET XX.
- RESTORE ALL DISTURBED AREAS TO EXISTING OR BETTER CONDITIONS.
- REFER TO SECTION XX AND XX FOR SPECIFIC EST DEMOLITION REQUIREMENTS.
- TANK DIMENSIONS
CONSTRUCTION: MULTI-LEG STEEL TANK
DIAMETER: 40-FT
HEIGHT: 135-FT (APPROX)
BOWL: 35-FT (APPROX)
- ANY SEDIMENT IN THE TANK BOWL WILL NEED TO BE DISPOSED OF AS PART OF THIS PROJECT.
- CUT, PLUG, AND REMOVE ALL PIPING AND VALVES INSIDE VAULT. BACKFILL VAULT AND REMOVE ALL CONCRETE TO 36 INCHES BELOW MATERIAL GROUND.

LEGEND

- EQUIPMENT TO BE REMOVED/ DEMOLISHED
- EXIST. TREE

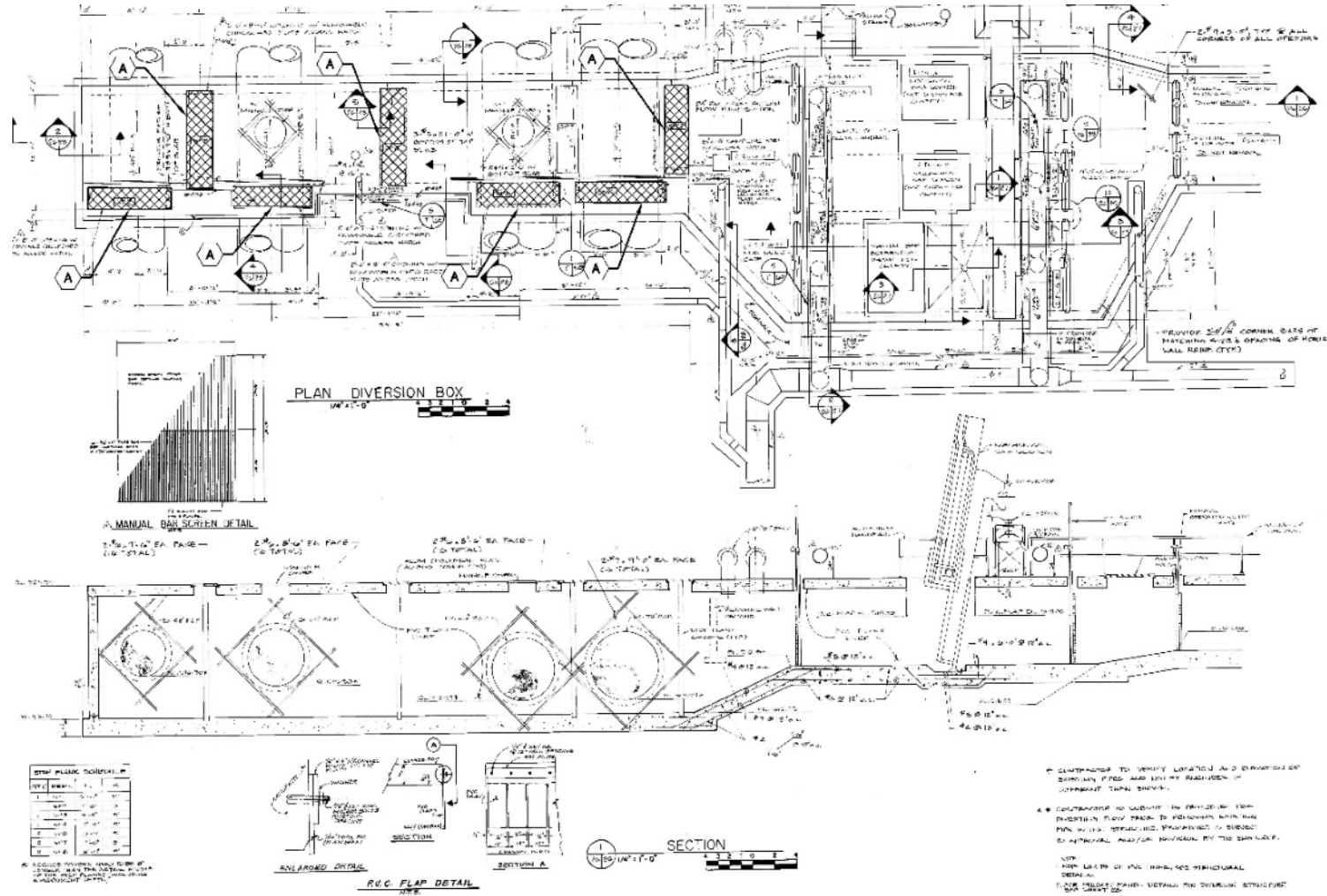


NPW Gate Valve Replacement & Fire Hydrant Adjustment

Corrosion and Safety Repairs at the Salado Creek WRC



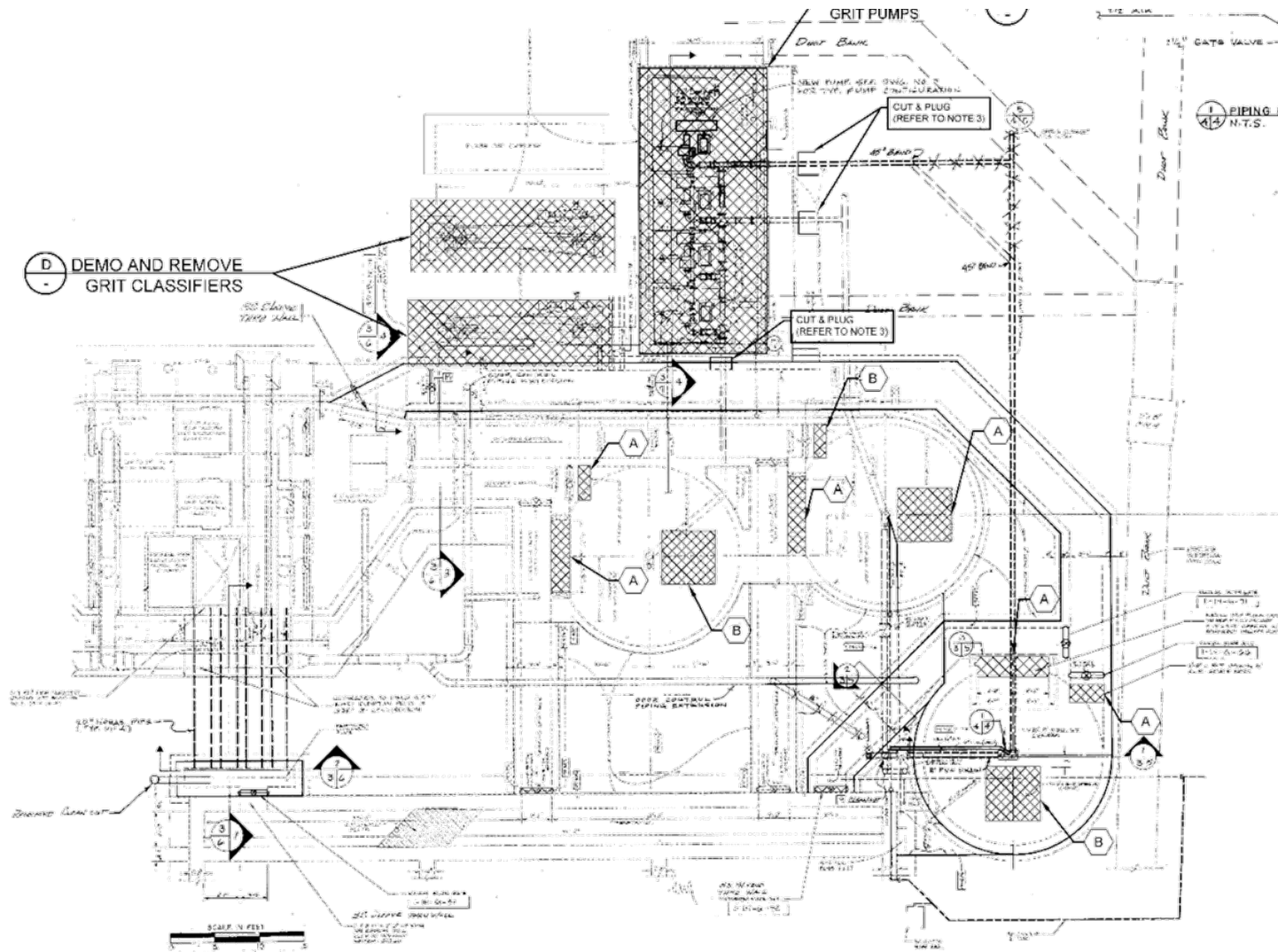
Influent Channel Repairs



2 DIVERSION BOX/ ACCESS
NTS

1 MECHANICAL SCREENING FACILITY
NTS

Grit Facility Repairs



LEGEND

EQUIPMENT TO BE REMOVED/DEMOLISHED

NOTES:

1. DRAWING IS A REPRODUCTION OF THE EXISTING SA-ADD REVISIONS DRAWINGS USED WITH SAWS' PERMISSION AND INTENDED TO REFLECT GENERAL INFORMATION FOR FACILITY DEMOLITION AND MAY NOT FULLY REFLECT ALL SITE EQUIPMENT. FIELD VERIFY ALL ITEMS SHOWN OR NOT SHOWN PRIOR TO INITIATING ANY WORK.
2. ALL DEMOLITION WORK SHALL BE COORDINATED WITH SAWS STAFF.
3. CUT, PLUG AND ABANDONED IN PLACE GUT PIPING.
4. FIELD VERIFY LOCATION OF UNDERGROUND PIPING PRIOR TO ANY EXCAVATION WORK.
5. ALL EQUIPMENT, UNLESS SPECIFICALLY NOTED SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL.
6. ALL CONCRETE SURFACES WILL BE CLEANED. DAMAGED AREAS WILL BE GROUND OR MILD BRUSH HAMMERING.
7. ANY EXPOSED REBAR WILL BE CUT AND EPOXY SEALED.

KEY NOTES

- A REMOVE AND REPLACE CHECKERED PLATE COVERS AND SUPPORT STRUCTURES WITH NEW 3/16-INCH CHECKERED PLATE, STAINLESS STEEL COVER AND NEW FRAME. ANCHOR FRAME TO EXISTING CONCRETE IF SUITABLE.
- B REMOVE AND REPLACE CHECKERED ACCESS HATCH WITH A NEW 3/16-INCH STAINLESS STEEL ACCESS HATCH AND NEW FRAME.
- C GRIT PUMP FACILITY & WELL - THE GRIT PUMP WELL IS TO BE COMPLETELY DEMOLISHED AND WALL CUT TO 3-FT BELOW FINISH GRADE AND BACKFILLED WITH COMPACTED FILL. DISTURBED AREAS TO BE PAVED. VALVES AND PUMPS SHALL BE CLEANED AND DELIVERED TO SAWS.
- D GRIT CLASSIFIER FACILITY - GRIT CLASSIFIER FACILITY IS LOCATED AT GRADE AND SHALL BE COMPLETELY REMOVED. THIS INCLUDES GRIT CLASSIFIER & CYCLONE, STAIRWAY, PLATFORM, LANDYAC, GRIT CLASSIFIER SUPPORT STRUCTURE, INTAKE AND DRAIN LINES, AND VALVES.

Grit Facility Repairs



1 GRIT CHAMBER / ACCESS HATCH AND PLATE COVER
SCALE: N.T.S.



2 GRIT CHAMBER / ACCESS HATCH AND PLATE COVER
SCALE: N.T.S.

- ① DIP (SIZE VARIES)
- ② PVC PIPE
- ③ HANDRAIL & KICKPLATE
- ④ INSULATED WATER MAIN
- ⑤ GRIT PUMPS
- ⑥ PIPE SUPPORTS
- ⑦ VALVES
- ⑧ ELECTRICAL CONDUIT
- ⑨ ACCESS HATCH
- ⑩ PLATE COVER



Special Conditions



Project Special Conditions

Contractor shall manage traffic flow and shall not prevent or delay:

- Chlorine and sulfur dioxide deliveries, typically on Mondays or Tuesdays with 1-h duration
- Grit dumpster replacement, typically once per month with 1-h duration
- Trash removal from grit facility, typically on Mondays, Wednesdays, and Fridays, with 20-minute duration

Contractor may not be in the chemical areas during chemical deliveries, maintenance, and changes.

The underground tunnel in the open-top digester tank area shall be treated as a confined space

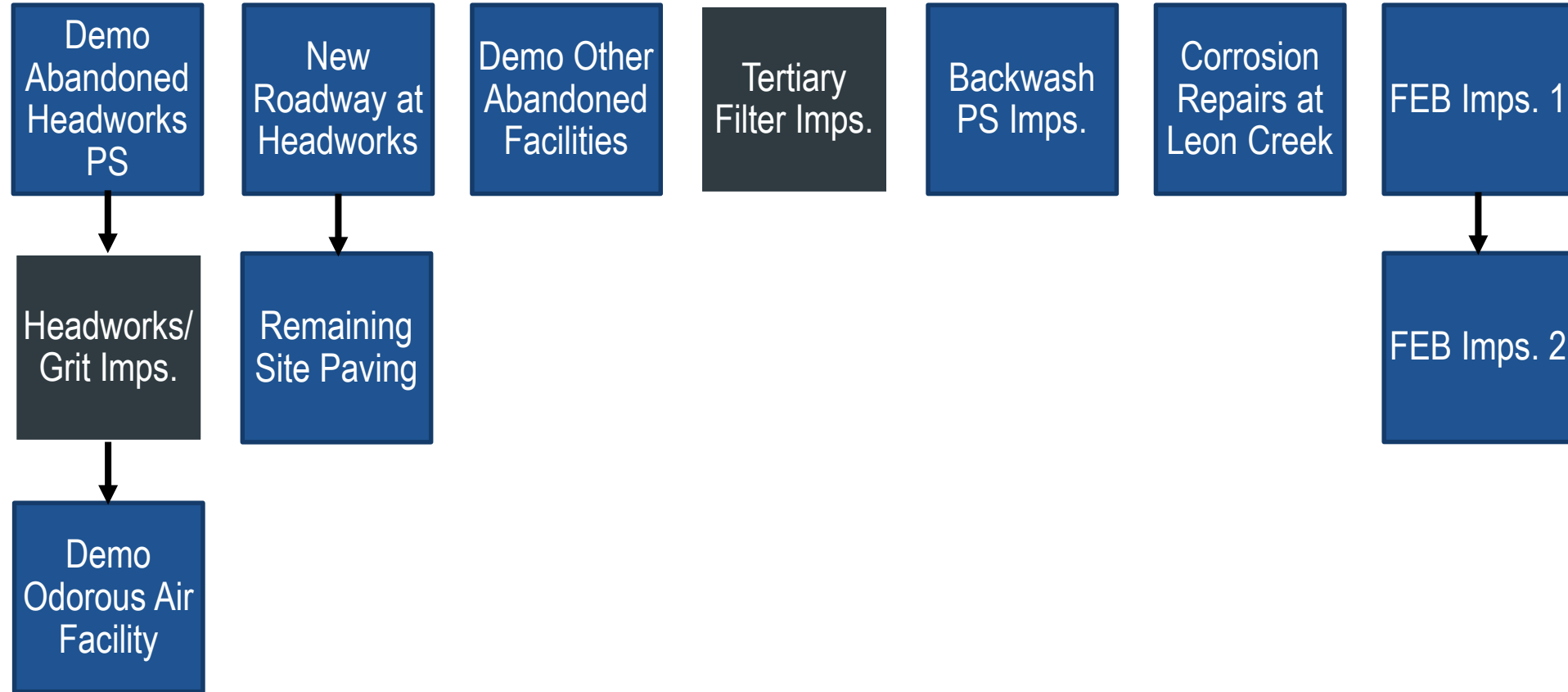
- Other work may be considered confined space work

Construction Sequencing

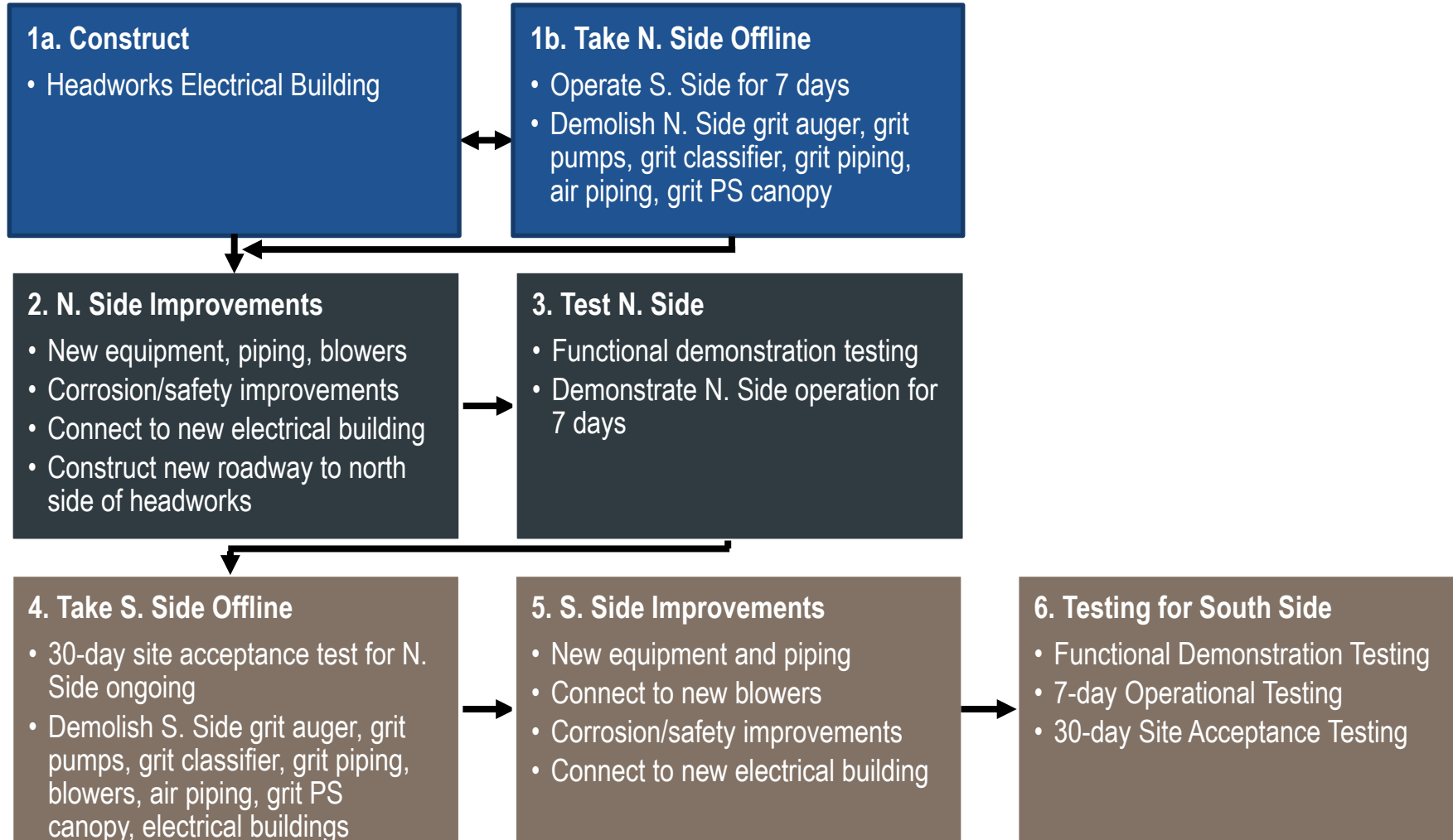


Section 01 11 00 – Summary

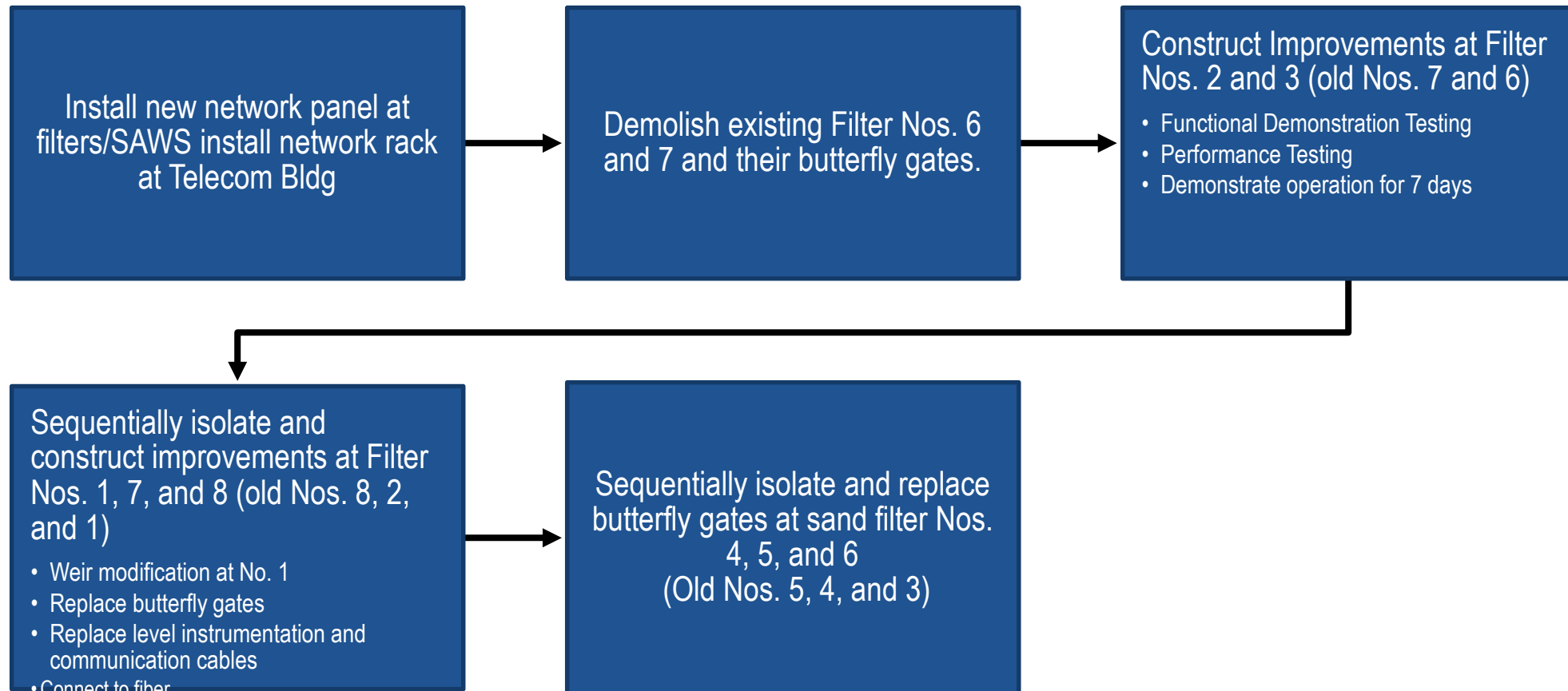
Overall Construction Sequencing for the Leon Creek WRC



One side of the grit facility must remain fully functional at all times



Construction Sequencing for Tertiary Filtration Facility



Construction Sequencing for Other Areas

Flow Equalization Basins and Primary Clarifiers

- Specifications require construction to take place during January, February, July, August, and December

Aeration basin effluent channel gate

- Basins 7, 8, and 9 out of service for up to 3.5 days for gate replacement

Backwash pump station improvements

- Pump station out of service for up to 2 hours for chlorine injection quill installation
- Temporary power and manual operation

Questions

- Should be submitted no later than **February 19, 2021 by 4:00 PM CDT***
- Identify solicitation number
- Must be submitted in writing:

Roxanne L. Lockhart

Contract Administrator

Contract Administration Department

San Antonio Water System

Roxanne.lockhart@saws.org

Fax: (210) 233-4438

*To be changed via Addendum

Leon Creek WRC Improvements and Upgrades Phase 2 (RFCSP)

Ila E. Drzymala, Ph.D., PE

Senior Engineer, SAWS

Roxanne L. Lockhart

Contract Administrator, SAWS

Diana L. Woltersdorf

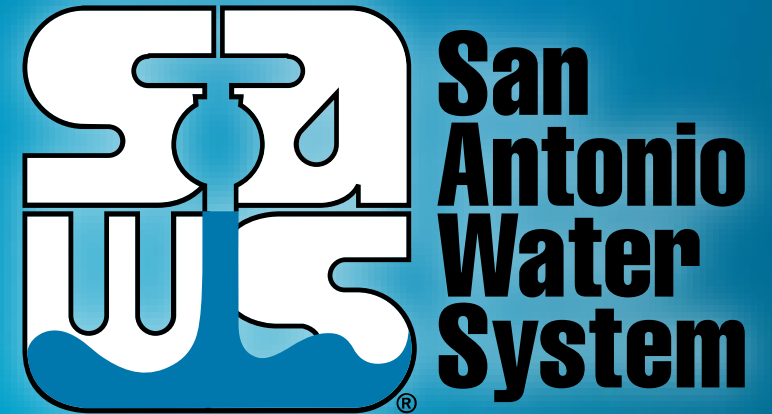
Manager - Contract Administration, SAWS

Marisol V. Robles

SMWVP Program Manager, SAWS

Greg Swoboda, PE

Project Engineer of Record, Garver



Non-Mandatory Pre-Proposal Meeting
February 8, 2021 at 11:00 AM

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