

ADDENDUM NO. ONE (1)
CITY OF SPARTA, GEORGIA
SPARTA SEWER SYSTEM REHABILITATION
CONTRACT 1 – PUMP STATION REPLACEMENTS
ISSUED OCTOBER 27, 2025

RE: SPARTA SEWER SYSTEM REHABILITATION
CONTRACT 1 – PUMP STATION REPLACEMENTS

EMI PROJECT No. 23-021

FROM: ENGINEERING MANAGEMENT, INC.
303 SWANSON DRIVE
LAWRENCEVILLE, GA 30043
Daniel Patterson, P.E.
770-962-1387

TO: PROSPECTIVE BIDDERS

This Addendum forms a part of the Contract Documents and Drawings, and modifies the original bidding documents dated October 2025.

The following items of the Contract Documents and Plans are modified as part of this Addendum:

Specifications

- *Section 00030, has been modified as follows. See attached revised section 00030 (revisions are in bold and italics)*
 - **Bid opening date has been moved to November 13, 2025 at 2:00pm.**

Plans

- *Additional Plan Sheets*

The following electrical plan sheets have been added to the project plans.

- **E1: Sparta Pump Stations Electrical Site Plans, Notes, and Details**

The following changes have been made to sheets PS1-PS3.1

- **Per the Electrical plan sheet callout on lift station sites that previously stated,**

EX. CONTROL PANEL TO BE REMOVED

has been updated to read,

**EXISTING ENCLOSURE WITH DOUBLE POLE - DOUBLE THROW SWITCH
AND LOAD CENTER TO REMAIN
(SEE SHEET E1)**

END OF ADDENDUM NO. 1

Z:\PROJECTS\23\23021 Sparta Sewer System Rehabilitation\Design Stage\DS18-Specifications\ReBid Specifications\Addendum No. 1\Addendum No.1.doc

ADVERTISEMENT FOR BIDS

**SPARTA SEWER SYSTEM REHABILITATION
CONTRACT 1 – PUMP STATION REPLACEMENTS
FOR THE
CITY OF SPARTA, GEORGIA**

Sealed bids will be received by the City of Sparta, Georgia (OWNER), for furnishing all materials, labor, tools, equipment, and any other miscellaneous items necessary for the construction of the Sparta Sewer System Rehabilitation: Contract 1 – Pump Station Replacements project in the City of Sparta, Georgia.

Bids will be received at the City of Sparta, City Hall, 12912 Broad Street, Sparta, Georgia 31087 until 2:00 p.m. on ~~November 11, 2025~~ **November 13, 2025**. Any bid received after said time and date of bid opening will not be considered by OWNER. Bids will be publicly opened and read aloud at this time and location. All bids will be evaluated by OWNER and the project will be awarded, if it is awarded, within sixty (60) days of the bid opening. If a bidder is not selected within sixty (60) days of the bid opening, any bidder that is determined by the OWNER to be unlikely of being selected for contract award shall be released from their bid.

The award of this bid proposal, if awarded, shall be based on several criteria, including prices bid, experience in the work proposed, and references. Refer to Article 14 of Section 00100 for criteria and award method.

The Project consists of, but is not limited to the following major elements:

The replacement of three sewer lift stations, including removal of existing equipment, installation of new equipment, electrical work, site improvements, five (5) each manholes, replacement of three (3) each air release/vacuum valves, additionally this project includes the retrofit installation of equipment listed at five (5) lift stations, details included in Appendix A.

Time of completion for all work associated with this project shall be one hundred eighty (180) consecutive calendar days from the date of a written "Notice to Proceed" from OWNER.

Copies of Contract Documents, Specifications, and Construction Drawings may be obtained at the office of Engineering Management, Inc., 303 Swanson Drive, Lawrenceville, Georgia 30043, upon payment of a non-refundable cost of \$200.00. Checks shall be made payable to Engineering Management, Inc.

For general information and purchasing documents regarding this project, you may contact Jessica James at (770) 962-1387 or JJJames@eminc.biz. For technical questions regarding this project, you may contact Daniel Patterson at (770) 962-1387, or dpatterson@eminc.biz.

The Information for Bidders, Bid Proposal Form, Form of Agreement, Drawings, Specifications, and forms of Bid Bond, Performance Bond, Payment Bond, Bidders Qualification Forms, and other Contract Documents may be examined at the following locations:

OWNER:

City of Sparta/City Hall
12912 Broad Street
Sparta, GA 31087
706-444-5753 (T)
706-444-6722 (F)

ENGINEER:

Engineering Management, Inc.
303 Swanson Drive
Lawrenceville, GA 30043
770-962-1387 (T)
770-962-8010 (F)

A list of persons who purchased Contract Documents from Engineering Management, Inc. will be available from the Engineer ONLY through facsimile transmission, U.S. Mail, or from their website at www.eminc.biz.

OWNER requires a bid bond* or a certified cashier's check in the amount of five percent (5%) of the total bid to be enclosed with the bid at the time of bid opening. Cashier's check will be made payable to the City of Sparta, Georgia.

The successful bidder will be required to furnish OWNER with Insurance, Workman's Compensation Insurance, and Performance and Payment Bonds* in the amount of one-hundred percent (100%) of the total bid.

Each bid must be submitted in a SEALED ENVELOPE, Sparta Sewer System Rehabilitation: Contract 1 – Pump Station Replacements for the City of Sparta, Georgia”. If the bid is forwarded by mail, the sealed envelope containing the Bid must be enclosed in a separate mailing envelope to the attention of the OWNER at the address previously given.

All Bids must be made out on the bid form of the type bound in the Contract Documents, in accordance with the instructions in the Information for Bidders. No interlineation, additions, or deletions shall be made in the proposal form by the BIDDER.

Any and all Bids received without the aforementioned qualification criteria enclosed, will be returned to the BIDDER.

CONTRACTORS and SUBCONTRACTORS bidding on this Project will be required to comply with all Federal, State, and local laws.

OWNER reserves the right to waive any informalities or to reject any or all Bids, to evaluate Bids, and to accept any Bid which in its opinion may be in the best interest of the OWNER. No Bid will be rejected without just cause.

Successful Bidder will be required to perform WORK as the Prime Contractor. WORK performed by Prime Contractor shall be at a minimum 30% of the contract value.

No BIDDER may withdraw his bid within the time limit specified in the Instruction to Bidders (Section 00100).

The OWNER has acquired all necessary State and Federal permits in connection with this project. OWNER has acquired all properties and easements in connection with this project.

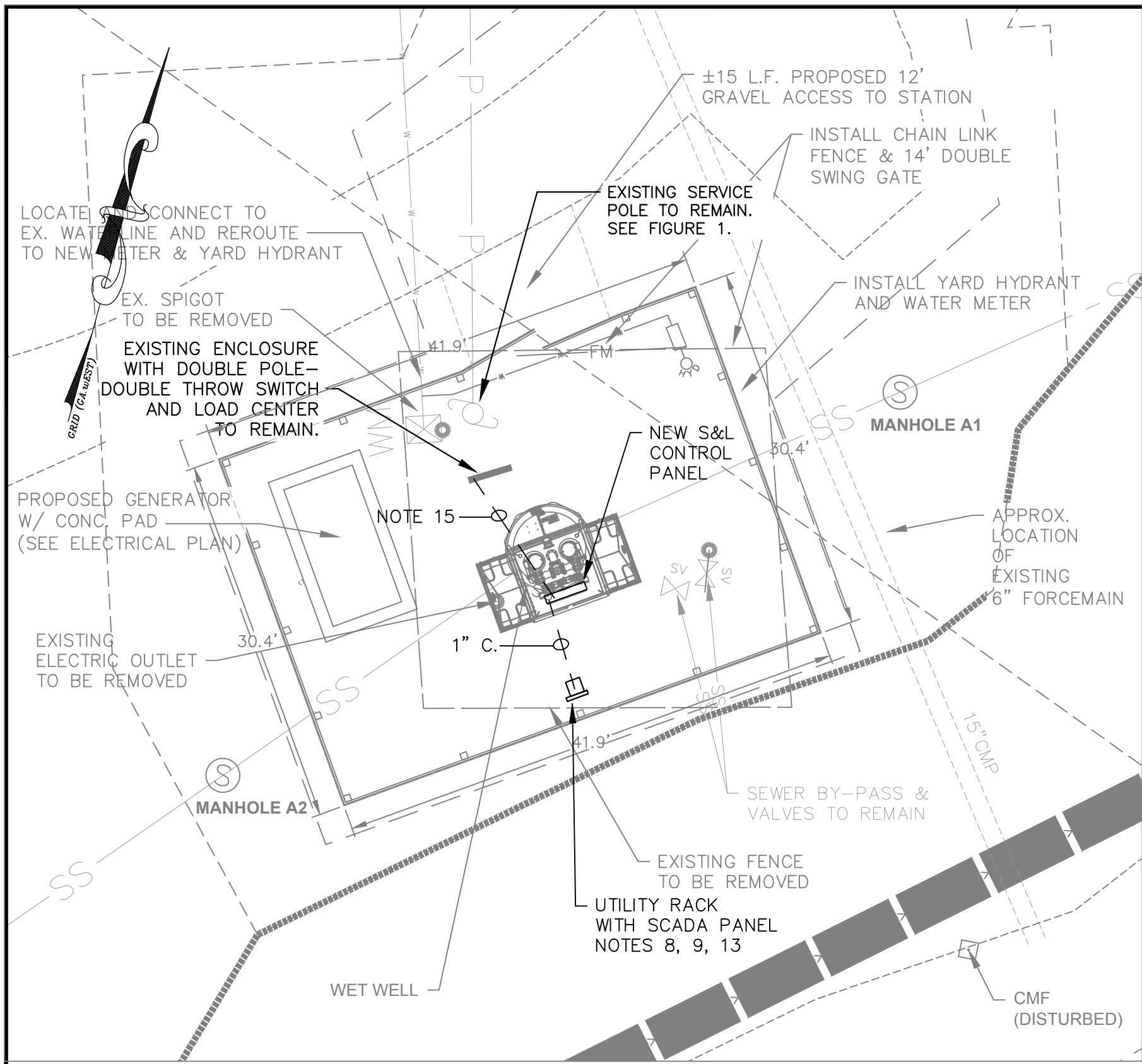
The Proposer's attention is called to the fact that this project is being funded with Federally Assisted EPA revolving loan funds through the Georgia Environmental Finance Authority (GEFA) Clean Water State

Revolving Fund (CWSRF). Successful Proposer's will be required to document specific compliance with participation by Disadvantaged Business Enterprises (DBE), EEO, Davis- Bacon Wage Rates and all other federal requirements. The Proposer's attention is also called to the requirements of the Build America, Buy America (BABA) Act, and Public Law 113-76 which includes the requirement of using American Iron and Steel (AIS) in connection with this project.

*** Surety and insurance companies must have an AM Best rating of A-6 or greater, be listed in the Federal Registry of Companies holding Certificates of Authority and Acceptable Sureties on Federal Bonds, be licensed by the Georgia Insurance Department and the Georgia Secretary of State to do business in the State of Georgia. Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) for Performance Bonds less than \$300,000 an irrevocable Letter of Credit from a bank as defined in O.C.G.A. Code Section 7-1-4 may be submitted in lieu of a bond. In lieu of a Payment Bond, a Cashier's Check, Certified Check, or Cash may be submitted in an amount not less than the total amount payable by the terms of the CONTRACT.**

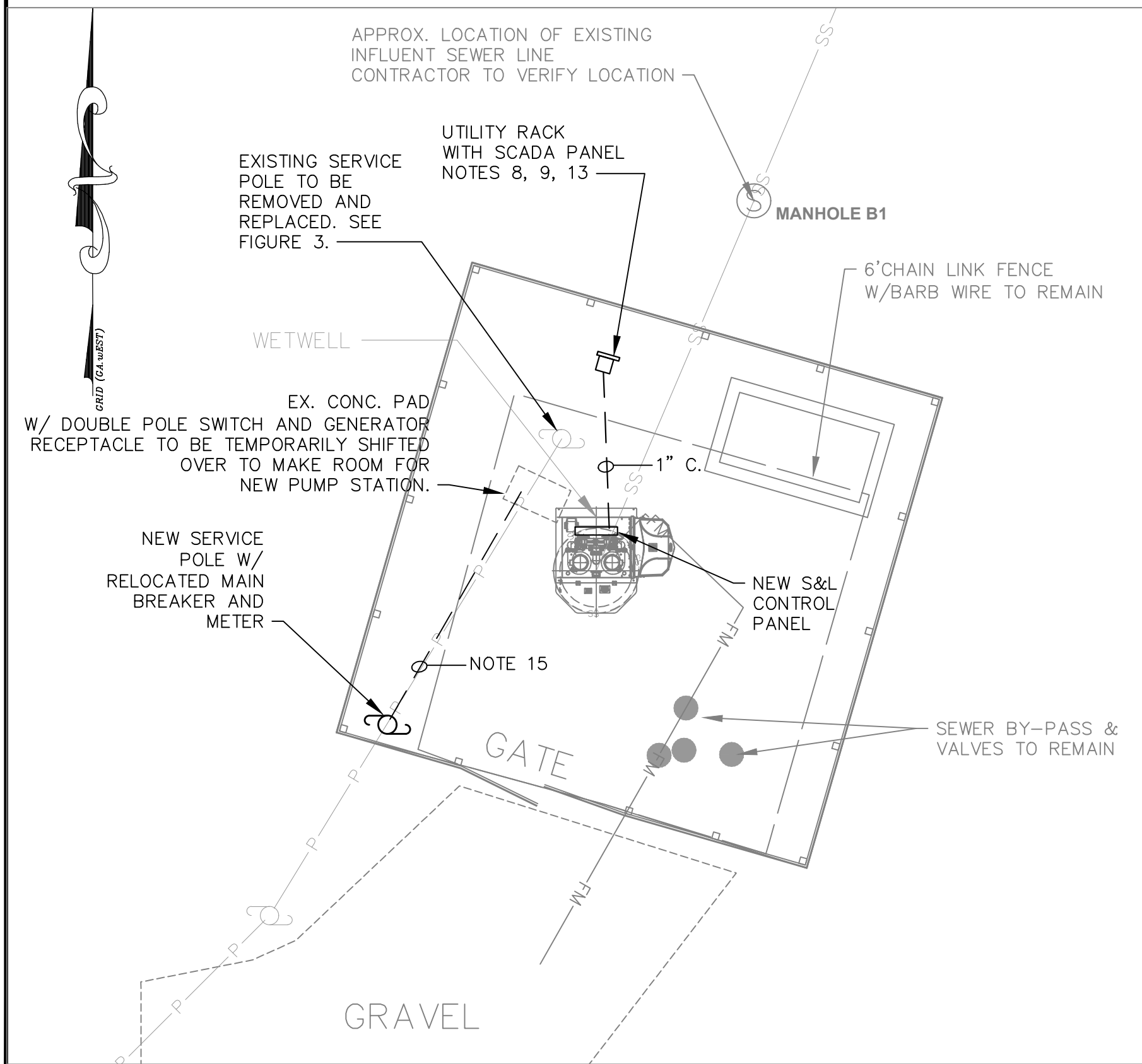
R. Allen Haywood, Mayor
Sparta, Georgia

END OF SECTION



PUMP STATION #1 HIGHWAY 22 PS ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"



PUMP STATION #2 WASTEWATER PLANT PS ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"



FIGURE 1: HIGHWAY 22

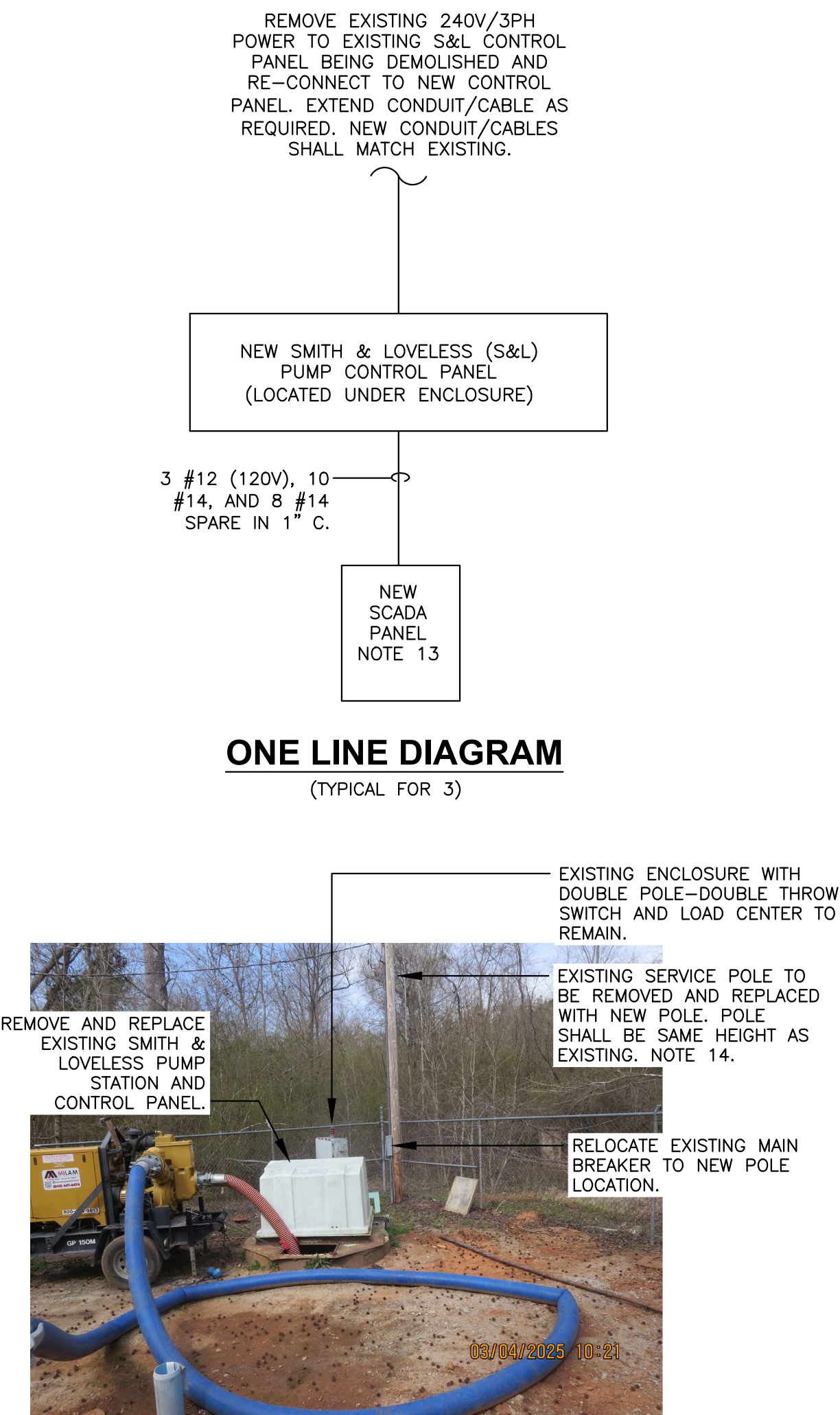
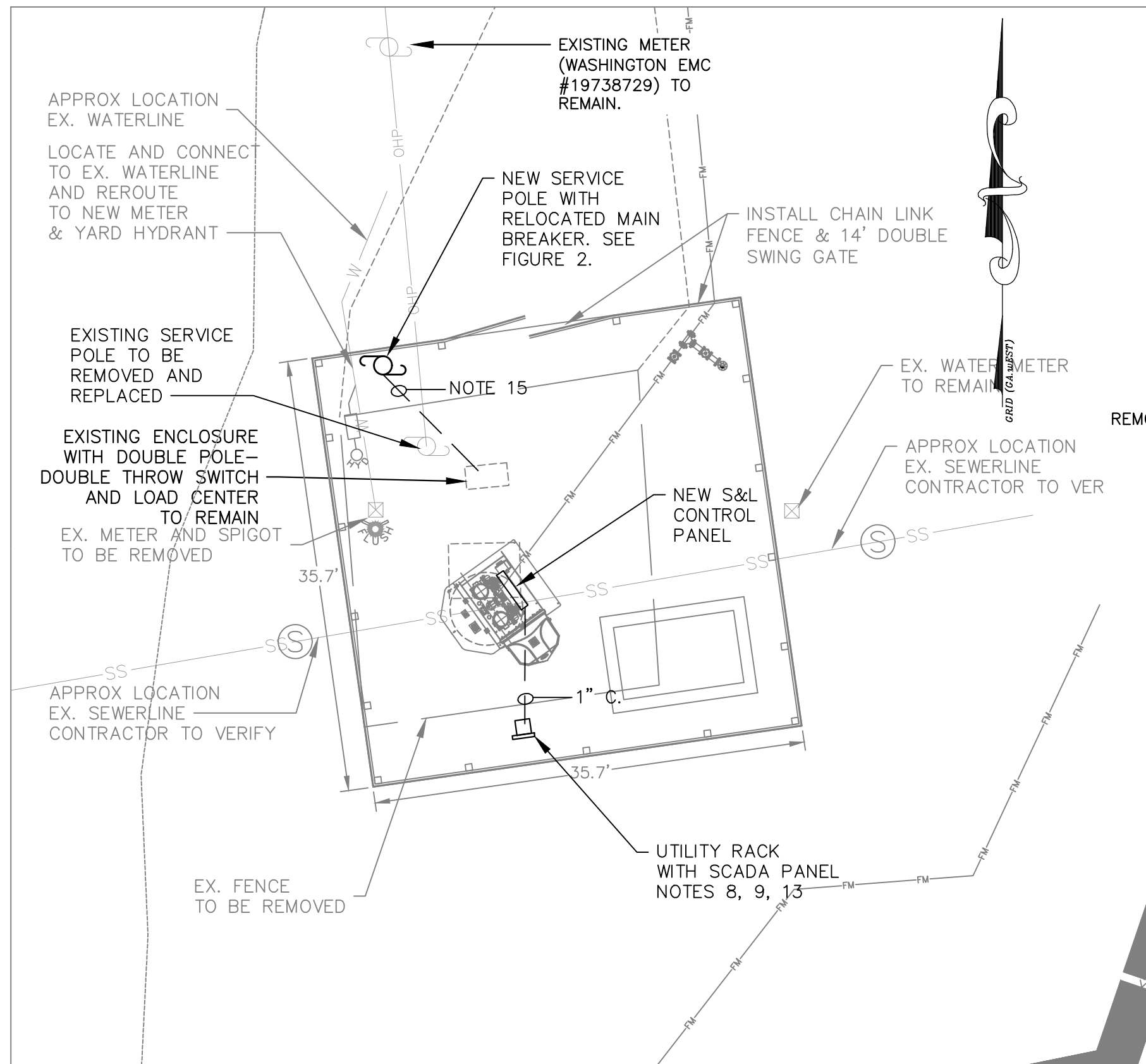


FIGURE 2: WASTEWATER PLANT



PUMP STATION #3 SR22 IN THE WOODS PS ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"

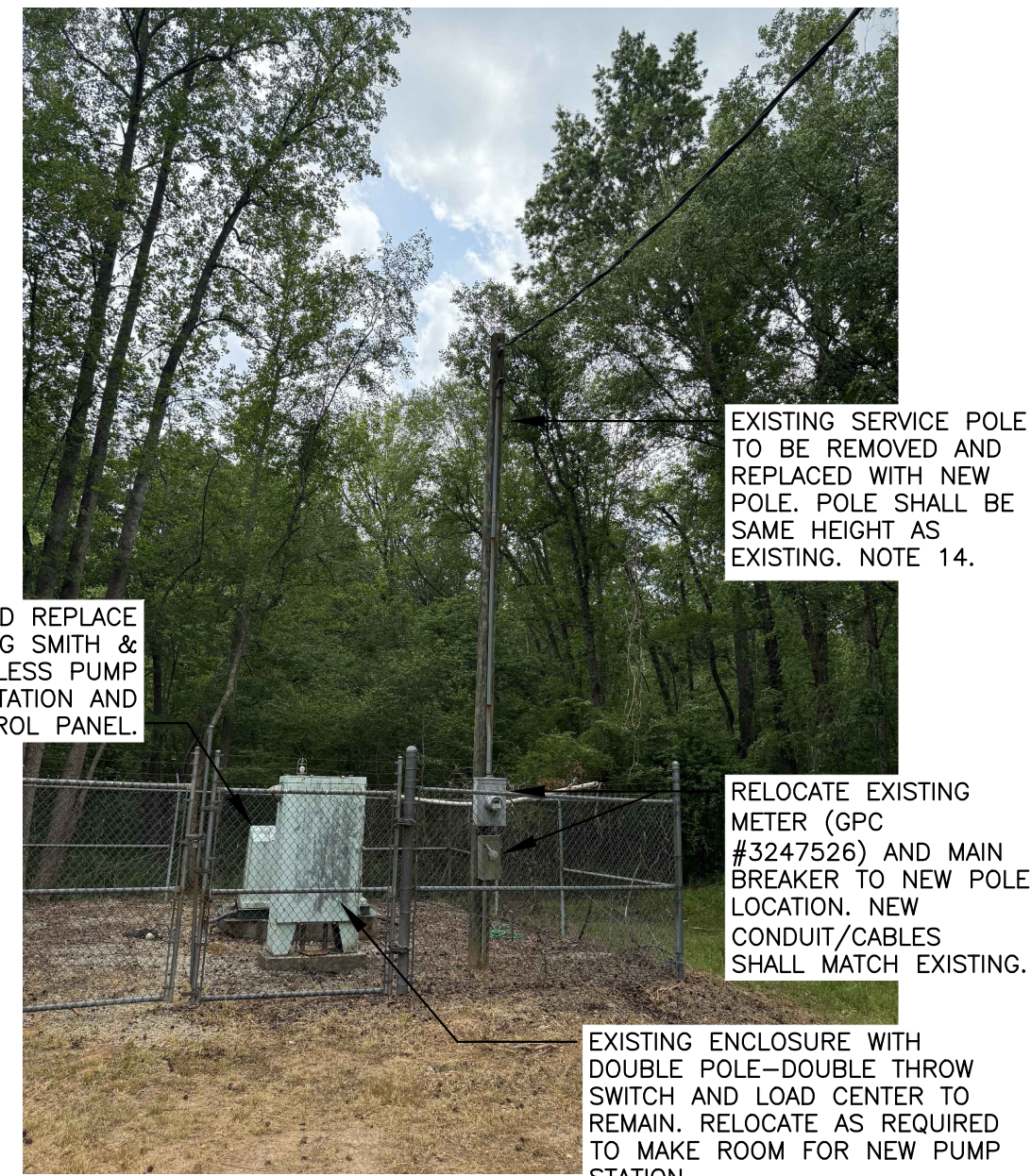


FIGURE 3: SR22 IN THE WOODS

GENERAL ELECTRICAL INSTALLATION NOTES

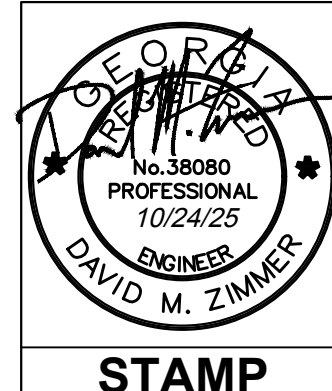
- SCOPE:
A. FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS REQUIRED TO COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEM INCLUDING BUT NOT LIMITED TO WIRING, BOXES, LIGHT FIXTURES, PANELS, SWITCHES, RECEPTACLES, DISCONNECTS, STARTERS, AND ALL OTHER WORK INDICATED ON THE DRAWINGS OR AS SPECIFIED HEREIN.
B. OBTAIN ALL PERMITS, INSPECTIONS, AND APPROVALS AS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION AND DELIVER CERTIFICATE OF APPROVAL TO THE GENERAL CONTRACTOR. ALL ASSOCIATED FEES SHALL BE PAID BY THE CONTRACTOR.
C. ALL MATERIALS AND EQUIPMENT OF THE ELECTRICAL SYSTEM NECESSARY FOR ITS PROPER OPERATION, BUT NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED WITHOUT ADDITIONAL CHARGE.
D. WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2023 NATIONAL ELECTRICAL CODE, THE LATEST STANDARD BUILDING CODE, NFPA 820, AND LOCAL AUTHORITIES HAVING JURISDICTION.
- ALL SUBSTITUTIONS FOR EQUIPMENT AND MATERIAL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL OTHER TRADES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACTUAL LOCATION OF EQUIPMENT, PUMPS, PIPING, ETC. AND COORDINATE THE INSTALLATION ACCORDINGLY.
- ALL CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM CONDUCTOR SIZE FOR POWER AND LIGHTING WIRING. USE #14 AWG MINIMUM CONDUCTOR FOR SIGNAL WIRING. THE INSULATION FOR SERVICE CONDUCTORS SHALL BE XHHW-2. ALL OTHER CONDUCTORS SHALL BE XHHW-2.
- POWER WIRES SIZES #12 AWG AND #10 AWG SHALL BE SOLID TYPE. ALL OTHER SIZES SHALL BE STRANDED.
- ALL EXPOSED CONDUIT SHALL BE RIGID ALUMINUM STEEL, MINIMUM OF 3/4". ALL BURIED CONDUIT SHALL BE PVC-40, MINIMUM OF 1". ALL UNDERGROUND CONDUITS SHALL HAVE RIGID ELBOWS AND BE BURIED 24" BELOW GRADE. ALL FLEX SHALL BE METAL.
- ALL FITTINGS SHALL BE CAST WITH THREADED HUBS. ALL CONNECTIONS SHALL BE COMPRESSION TYPE. ALL EXTERIOR CONNECTIONS (REGARDLESS OF SIDE OR BOTTOM ENTRY) SHALL UTILIZE MYERS WATERITITE HUBS.
- THE UTILITY RACK FOR THE SCADA PANELS SHALL CONSIST OF A SINGLE 6" ALUMINUM C-CHANNEL ENCASED IN CONCRETE. EXTEND PAINT 12" ABOVE TOP OF CONCRETE.
- POWER OUTAGES SHALL BE KEPT TO A MINIMUM AND DONE AT A TIME AND DAY DESIGNATED BY THE OWNER. ALL OUTAGES SHALL BE SCHEDULED A MINIMUM OF 7 DAYS IN ADVANCED.
- ALL ABANDONED CONDUIT/CONDUCTORS AT EACH SITE SHALL BE DEMOLISHED AND REMOVED FROM SITE.
- CONTRACTOR SHALL COORDINATE ALL OUTAGES AND WORK WITH EITHER WASHINGTON EMC OR GEORGIA POWER. COORDINATION SHALL INCLUDE THE REMOVAL AND RE-INSTALLATION OF THE WEATHERHEADS AND OVERHEAD SERVICES.
- CONTRACTOR SHALL INSTALL A NEW SCADA PANEL AT EACH SITE. SCADA SHALL BE OMNISITE CELLULAR MONITORING SYSTEM CRYSTAL BALL IN NEMA 4 ENCLOSURE WITH ANTENNA EXTENSION KIT. PROVIDE 3 YEARS OF PREPAID MONITORING SERVICE. SYSTEM SHALL MONITOR: PUMP 1 RUN, PUMP 1 FAULT, PUMP 2 RUN, PUMP 2 FAULT, HIGH LEVEL ALARM, FUTURE GENERATOR FAULT, FUTURE GENERATOR RUNNING, AND POWER LOSS. CONTRACTOR SHALL CONTACT PUMP & PROCESS (912-659-6180) FOR PRICING. TYPICAL FOR 3 SITES.
- NEW SERVICE POLES SHALL NEW CONDUIT, CABLES, AND WEATHERHEAD. CONTRACTOR MAY REUSE CONDUIT AND WEATHERHEAD IF IN GOOD CONDITION. NEW POLE HEIGHT/TYPE SHALL MATCH EXISTING.
- NEW CONDUIT/CABLE BETWEEN NEW SERVICE POLE AND EXISTING CONTROL PANEL (W/ DOUBLE THROW SWITCH AND GENERATOR RECEPTACLES) SHALL MATCH EXISTING SIZES. BURY CONDUIT 24" BELOW GRADE.

ENGINEERING MANAGEMENT ASSOCIATES, INC.
1996
ALL RIGHTS RESERVED.
THESE CONSTRUCTION DOCUMENTS AND ANY REVISIONS ARE THE PROPERTY OF ENGINEERING MANAGEMENT ASSOCIATES, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ENGINEERING MANAGEMENT ASSOCIATES, INC.

PROJECT NO. 25020
DATE 10/24/25
SHEET NO. 10/24/25
ELECTRICAL PLAN SHEET EL
ADDENDUM NO. 1
ELECTRICAL COMPONENTS TO REMAIN
SEE SHEETS PSL-P3.1

SPARTA SEWER SYSTEM
REHABILITATION:
CONTRACT 1 - PUMP STATION
REPLACEMENTS
FOR THE
CITY OF SPARTA, GEORGIA

DESIGN BY	DRAWN BY	CHECKED BY
DMZ	AP	DMZ



10/24/25	23021	z: Projects
DATE	JOB NUMBER	FILE LOCATION

E1

ESAD PROJECT #25020

ESAD, LLC
885 WOODSTOCK ROAD
SUITE 430-231
ROSWELL, GA 30075
PH: 678-469-5196

REVISION

PROJECT

SHEET

SPARTA SEWER SYSTEM REHABILITATION:
CONTRACT 1 - PUMP STATION REPLACEMENTS
FOR THE
CITY OF SPARTA
G.M.D. : 102 & 113

GEORGIA ENVIRONMENTAL FINANCE
AUTHORITY (GEFA) CWSRF PROJECT
NUMBER: CW2023023
OCTOBER 2025



OWNER:
CITY OF SPARTA
CITY HALL
12912 Broad Street,
Sparta GA 31087
PHONE (706) 444-5753
FAX (706) 444-6722

MAYOR _____

R. ALLEN HAYWOOD

COUNCIL MEMBERS

- 1 TOM ROBERTS
2 SANDRA F ROSS SHERROD
3 PRINCE RAV YISRAEL
4 BRANDON NOLLEY

AMANDA MARTIN AIKENS, WASTEWATER SUPERINTENDENT



PROJECT MAP
N.T.S.

SHEET INDEX	
SHEET NO.	DESCRIPTION
C1	COVER SHEET
G2	GENERAL NOTES AND LEGEND
PS1	PUMP STATION NO. 1 HIGHWAY 22 PUMP STATION
PS1.1	PUMP STATION NO. 1 HIGHWAY 22 PS DETAILS
PS2	PUMP STATION NO. 2 WASTEWATER PLANT PUMP STATION
PS2.1	PUMP STATION NO. 2 WASTEWATER PLANT PS DETAILS
PS3	PUMP STATION NO. 3 SR22 IN THE WOODS PUMP STATION
PS3.1	PUMP STATION NO. 3 SR22 INTHE WOODS PS DETAILS
PS4	PUMP STATION NO. 4 TWIN PLUM PUMP STATION
PS5	PUMP STATION NO. 5 BROOKS ST PUMP STATION
PS6	PUMP STATION NO. 6 GORDON ST PUMP STATION
PS7	PUMP STATION NO. 7 FOREST RIDGE APT PUMP STATION
PS8	PUMP STATION NO. 8 GILBERT CIRCLE PUMP STATION
ARV1	AIR RELEASE/VACUUM VALVE INSTALLATION
D1-D3	CONSTRUCTION DETAILS
1 E1	SPARTA PUMP STATIONS ELECTRICAL SITE PLANS, NOTES AND DETAILS
ECA	EROSION CONTROL NOTES & DETAILS
EC1	PUMP STATION NO.1 HIGHWAY 22 EROSION CONTROL PLAN PHASES I, II, & III
EC2	PUMP STATION NO.2 WASTEWATER PLANT PS EROSION CONTROL PLAN PHASES I, II, & III
EC3	PUMP STATION NO.3 SR22 IN THE WOODS PS EROSION CONTROL PLAN PHASES I, II, & III

DATE	NO.	DESCRIPTION
9/16/2025	A	RELEASED FOR EROSION CONTROL REVIEW
9/16/2025	B	RELEASED FOR EPD TECHNICAL REVIEW
10/03/2025	C	RELEASED FOR BIDS
10/27/2025	D	ADDENDUM NO.1 ELECTRICAL PLAN SHEET E1, ELECTRICAL COMPONENTS TO REMAIN SEE SHEETS PS1-PS3.1



STAMP

G1

SHEET NO.

PATH & FILE: Z:\PROJECTS\23\23021 Sparta Sewer System Rehabilitation\Design Stage\23021 - BASE REVISED.dwg

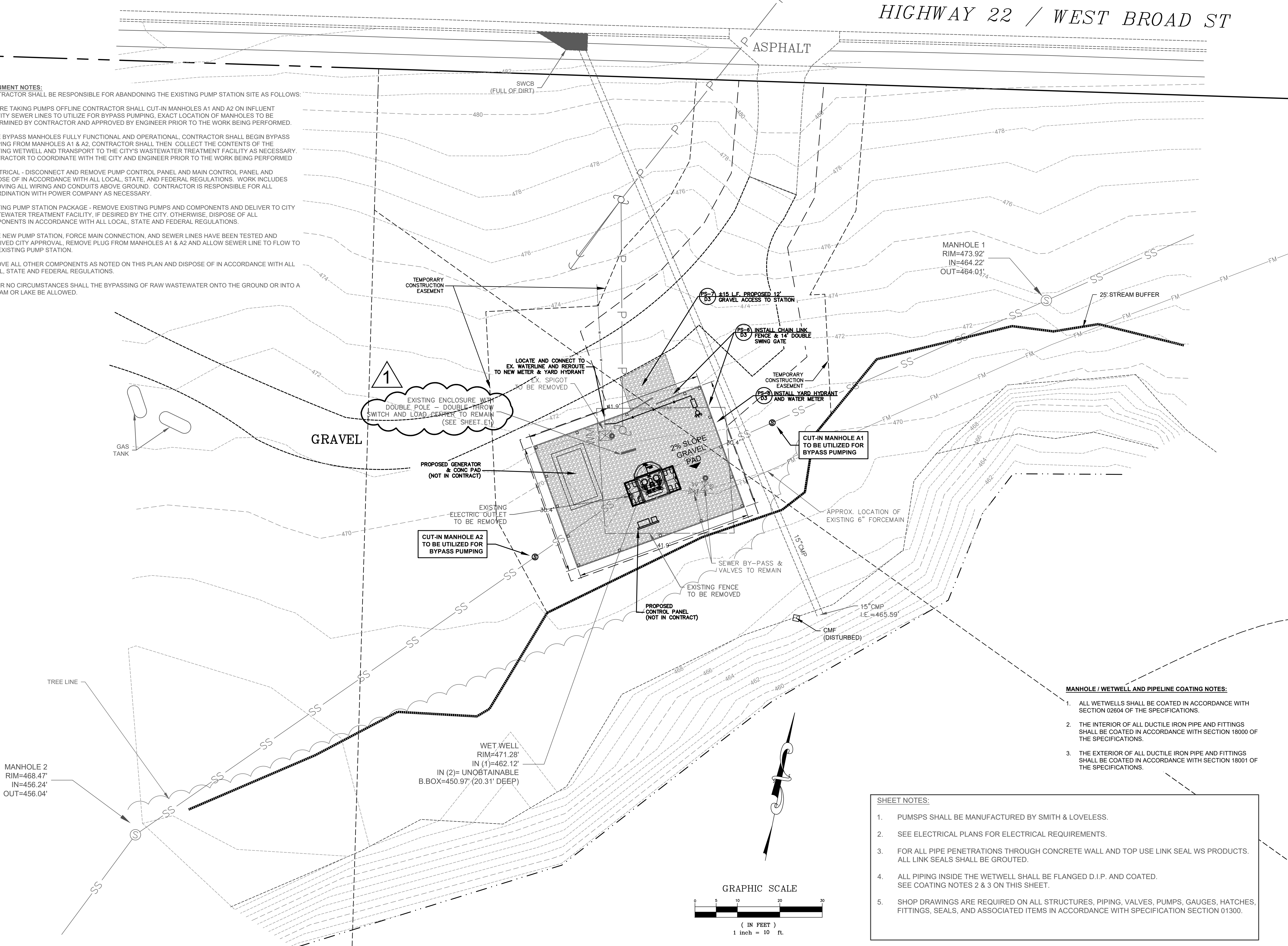
**EMI ENGINEERING
MANAGEMENT**
Experience ■ Trust ■ Solutions
303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax # 770-962-8010
www.eminc.biz

PROJECT CONTACTS: DANIEL PATTERSON, PE

HIGHWAY 22 / WEST BROAD ST

ABANDONMENT NOTES:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING THE EXISTING PUMP STATION SITE AS FOLLOWS:

- BEFORE TAKING PUMPS OFFLINE CONTRACTOR SHALL CUT-IN MANHOLES A1 AND A2 ON INFLUENT GRAVITY SEWER LINES TO UTILIZE FOR BYPASS PUMPING. EXACT LOCATION OF MANHOLES TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE WORK BEING PERFORMED.
- ONCE BYPASS MANHOLES FULLY FUNCTIONAL AND OPERATIONAL, CONTRACTOR SHALL BEGIN BYPASS PUMPING FROM MANHOLES A1 & A2. CONTRACTOR SHALL THEN COLLECT THE CONTENTS OF THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY AS NECESSARY. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED.
- ELECTRICAL - DISCONNECT AND REMOVE PUMP CONTROL PANEL AND MAIN CONTROL PANEL AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. WORK INCLUDES REMOVING ALL WIRING AND CONDUITS ABOVE GROUND. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH POWER COMPANY AS NECESSARY.
- EXISTING PUMP STATION PACKAGE - REMOVE EXISTING PUMPS AND COMPONENTS AND DELIVER TO CITY WASTEWATER TREATMENT FACILITY, IF DESIRED BY THE CITY. OTHERWISE, DISPOSE OF ALL COMPONENTS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- ONCE NEW PUMP STATION, FORCE MAIN CONNECTION, AND SEWER LINES HAVE BEEN TESTED AND RECEIVED CITY APPROVAL, REMOVE PLUG FROM MANHOLES A1 & A2 AND ALLOW SEWER LINE TO FLOW TO THE EXISTING PUMP STATION.
- REMOVE ALL OTHER COMPONENTS AS NOTED ON THIS PLAN AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- UNDER NO CIRCUMSTANCES SHALL THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A STREAM OR LAKE BE ALLOWED.



MANHOLE / WETWELL AND PIPELINE COATING NOTES:

- ALL WETWELLS SHALL BE COATED IN ACCORDANCE WITH SECTION 02604 OF THE SPECIFICATIONS.
- THE INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS.
- THE EXTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18001 OF THE SPECIFICATIONS.

SHEET NOTES:

- PUMPS SHALL BE MANUFACTURED BY SMITH & LOVELESS.
- SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.
- FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALL AND TOP USE LINK SEAL WS PRODUCTS. ALL LINK SEALS SHALL BE GROUTED.
- ALL PIPING INSIDE THE WETWELL SHALL BE FLANGED D.I.P. AND COATED. SEE COATING NOTES 2 & 3 ON THIS SHEET.
- SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES, PIPING, VALVES, PUMPS, GAUGES, HATCHES, FITTINGS, SEALS, AND ASSOCIATED ITEMS IN ACCORDANCE WITH SPECIFICATION SECTION 01300.

ENGINEERING MANAGEMENT, INC.
1996
ALL RIGHTS RESERVED.
THESE CONSTRUCTION DOCUMENTS ARE THE PROPERTY OF ENGINEERING MANAGEMENT, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ENGINEERING MANAGEMENT, INC.

DATE	NO.	DESCRIPTION
9/16/2024	A	RELEASED FOR EROSION CONTROL REVIEW
9/16/2024	B	RELEASED FOR EPD TECHNICAL REVIEW
10/03/2024	C	RELEASED FOR BIDS
10/27/2024	D	ADDENDUM NO.1 ELECTRICAL PLAN SHEET E1
		ELECTRICAL COMPONENTS TO REMAIN
		SEE SHEETS PS1-PS3.1

EMI ENGINEERING MANAGEMENT
Experience ■ Trust ■ Solutions
303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax # 770-962-8010
www.eminc.biz

SPARTA SEWER SYSTEM
REHABILITATION:
CONTRACT 1 - PUMP STATION
REPLACEMENTS
FOR THE
CITY OF SPARTA, GEORGIA

PUMP STATION NO. 1 HIGHWAY 22 PUMP STATION	CHECKED BY GKB
SHEET TITLE	DRAWN BY DSP
DESIGN BY DSP	

PROFESSIONAL
ENGINEER
09/16/2025
PAUL S. PATTERSON
STAMP

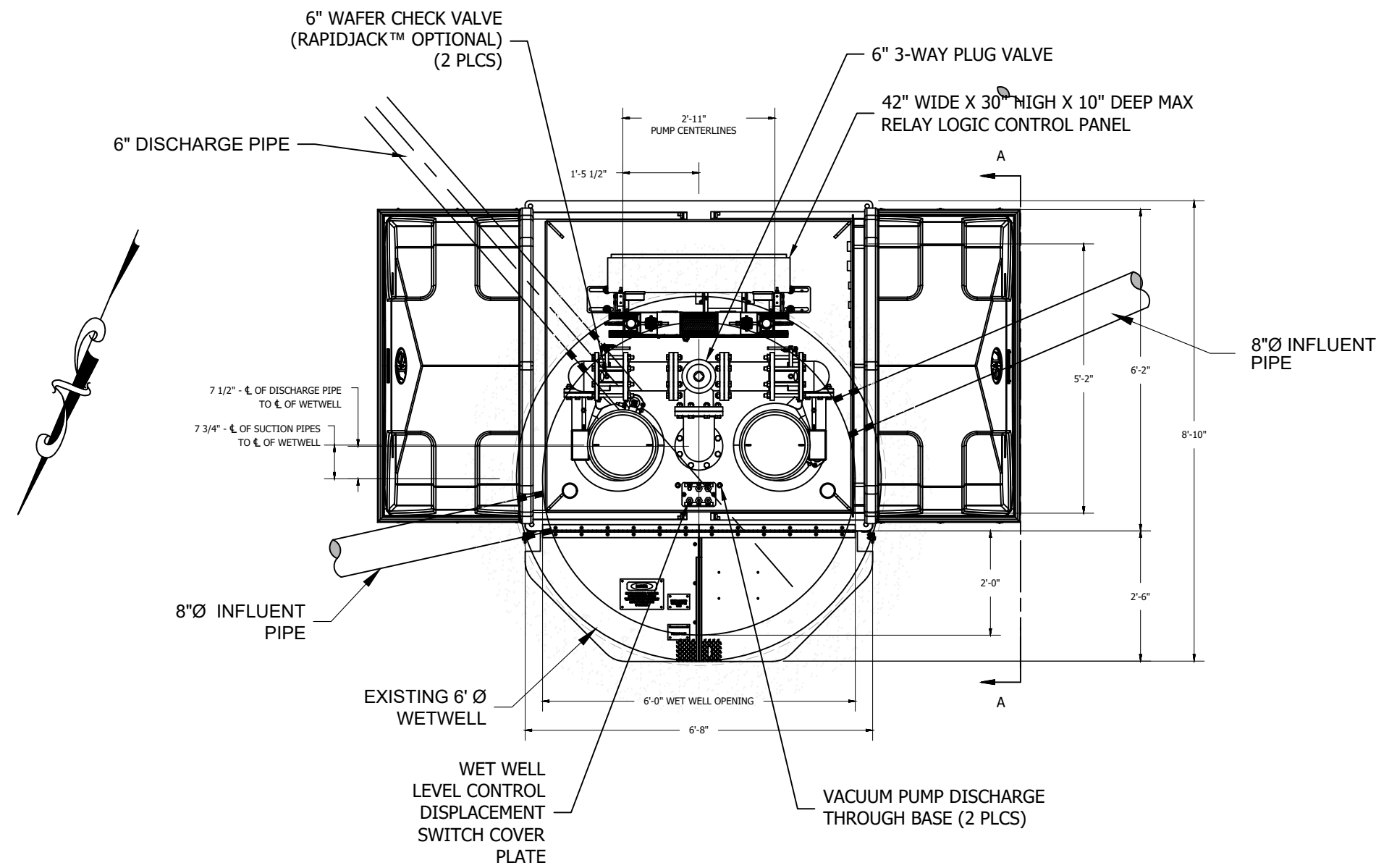
10/21/2024 DATE	23021 JOB NUMBER	z:\projects FILE LOCATION
--------------------	---------------------	------------------------------

PS1

PATH & FILE: z:\PROJECTS\23021\2021 Sparta Sewer System Rehabilitation\Design Stage\2021 - BASE REVISED

SHEET

REVISION



LIFT STATION WETWELL
PLAN VIEW
SCALE: 3/8" = 1'-0"

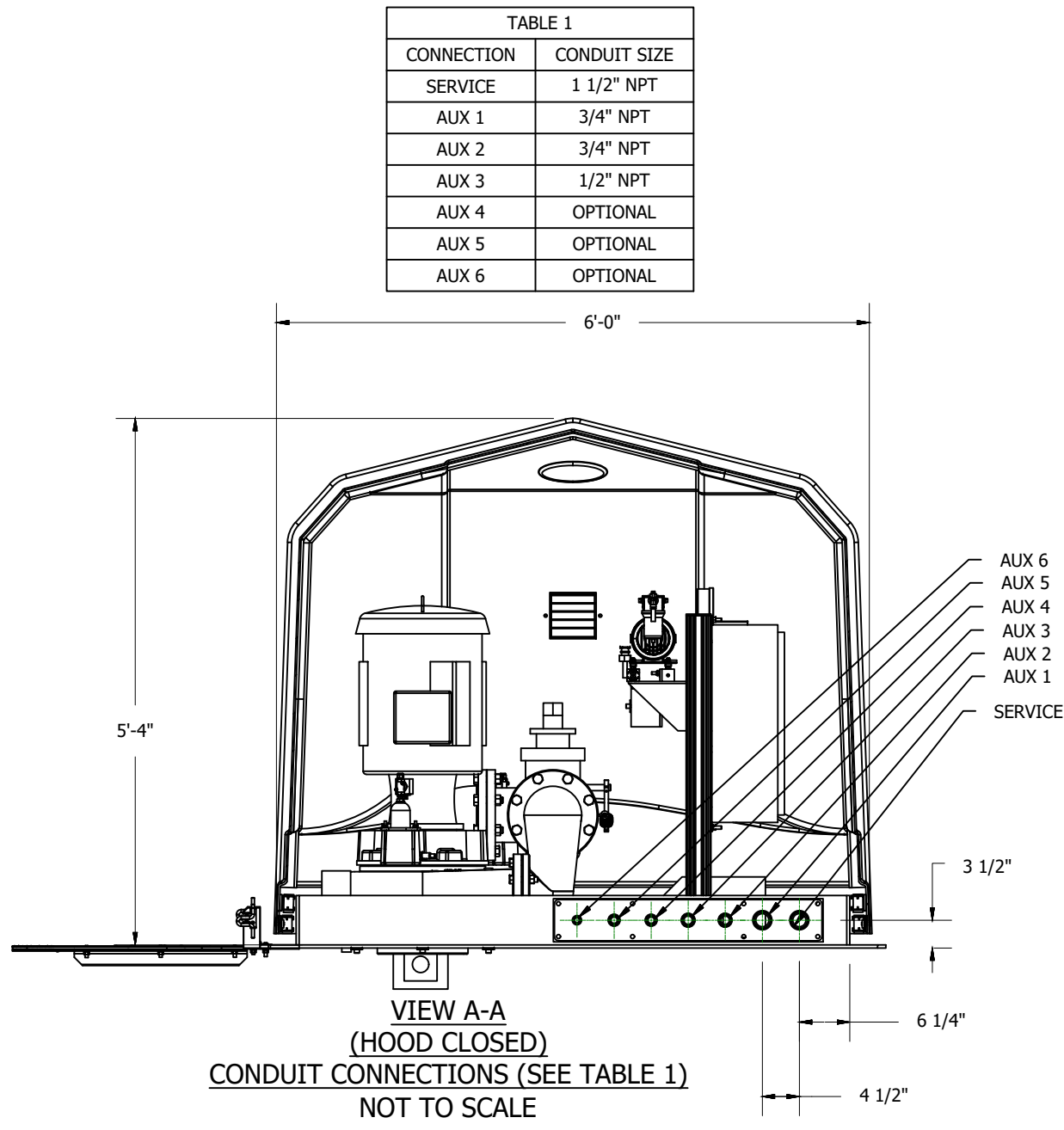
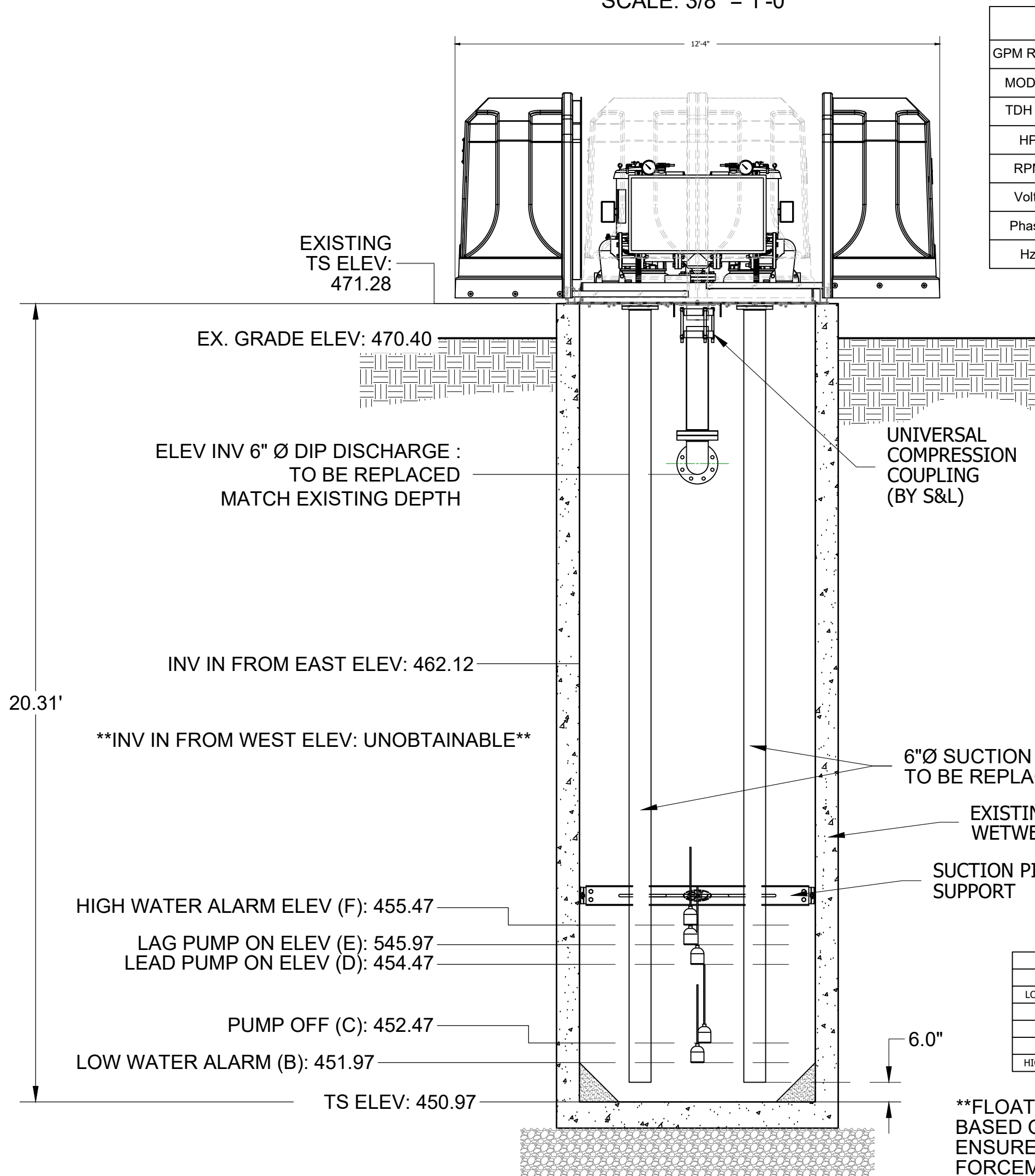


TABLE 1	
CONNECTION	CONDUIT SIZE
SERVICE	1 1/2" NPT
AUX 1	3/4" NPT
AUX 2	3/4" NPT
AUX 3	1/2" NPT
AUX 4	OPTIONAL
AUX 5	OPTIONAL
AUX 6	OPTIONAL

- ABANDONMENT NOTES:**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING THE EXISTING PUMP STATION SITE AS FOLLOWS:
- BEFORE TAKING PUMPS OFFLINE CONTRACTOR SHALL CUT-IN MANHOLES A1 AND A2 ON INFLUENT GRAVITY SEWER LINES TO UTILIZE FOR BYPASS PUMPING. EXACT LOCATION OF MANHOLES TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE WORK BEING PERFORMED.
 - ONCE BYPASS MANHOLES FULLY FUNCTIONAL AND OPERATIONAL, CONTRACTOR SHALL BEGIN BYPASS PUMPING FROM MANHOLES A1 & A2. CONTRACTOR SHALL THEN COLLECT THE CONTENTS OF THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY AS NECESSARY. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED
 - ELECTRICAL - DISCONNECT AND REMOVE PUMP CONTROL PANEL AND MAIN CONTROL PANEL AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. WORK INCLUDES REMOVING ALL WIRING AND CONDUITS ABOVE GROUND. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH POWER COMPANY AS NECESSARY.
 - EXISTING PUMP STATION PACKAGE - REMOVE EXISTING PUMPS AND COMPONENTS AND DELIVER TO CITY WASTEWATER TREATMENT FACILITY, IF DESIRED BY THE CITY. OTHERWISE, DISPOSE OF ALL COMPONENTS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
 - ONCE NEW PUMP STATION, FORCE MAIN CONNECTION, AND SEWER LINES HAVE BEEN TESTED AND RECEIVED CITY APPROVAL, REMOVE PLUG FROM MANHOLES A1 & A2 AND ALLOW SEWER LINE TO FLOW TO THE EXISTING PUMP STATION.
 - REMOVE ALL OTHER COMPONENTS AS NOTED ON THIS PLAN AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
 - UNDER NO CIRCUMSTANCES SHALL THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A STREAM OR LAKE BE ALLOWED.

- SHEET NOTES:**
- PUMPS SHALL BE MANUFACTURED BY SMITH & LOVELESS.
 - SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.
 - ALL PIPING INSIDE WETWELL TO BE REPLACED AND COATED IN ACCORDANCE WITH SECTION 18000 AND SECTION 18001 OF THE SPECIFICATIONS.
 - FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALL AND TOP USE LINK SEAL WS PRODUCTS. ALL LINK SEALS SHALL BE GROUTED.
 - ALL PIPING INSIDE THE WETWELL SHALL BE FLANGED D.I.P. AND COATED. SEE COATING NOTES 2 & 3 ON THIS SHEET.
 - SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES, PIPING, VALVES, PUMPS, GAUGES, HATCHES, FITTINGS, SEALS, AND ASSOCIATED ITEMS IN ACCORDANCE WITH SPECIFICATION SECTION 01300.

- MANHOLE / WETWELL AND PIPELINE COATING NOTES:**
- ALL WETWELLS SHALL BE COATED IN ACCORDANCE WITH SECTION 02604 OF THE SPECIFICATIONS.
 - THE INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS.
 - THE EXTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18001 OF THE SPECIFICATIONS.

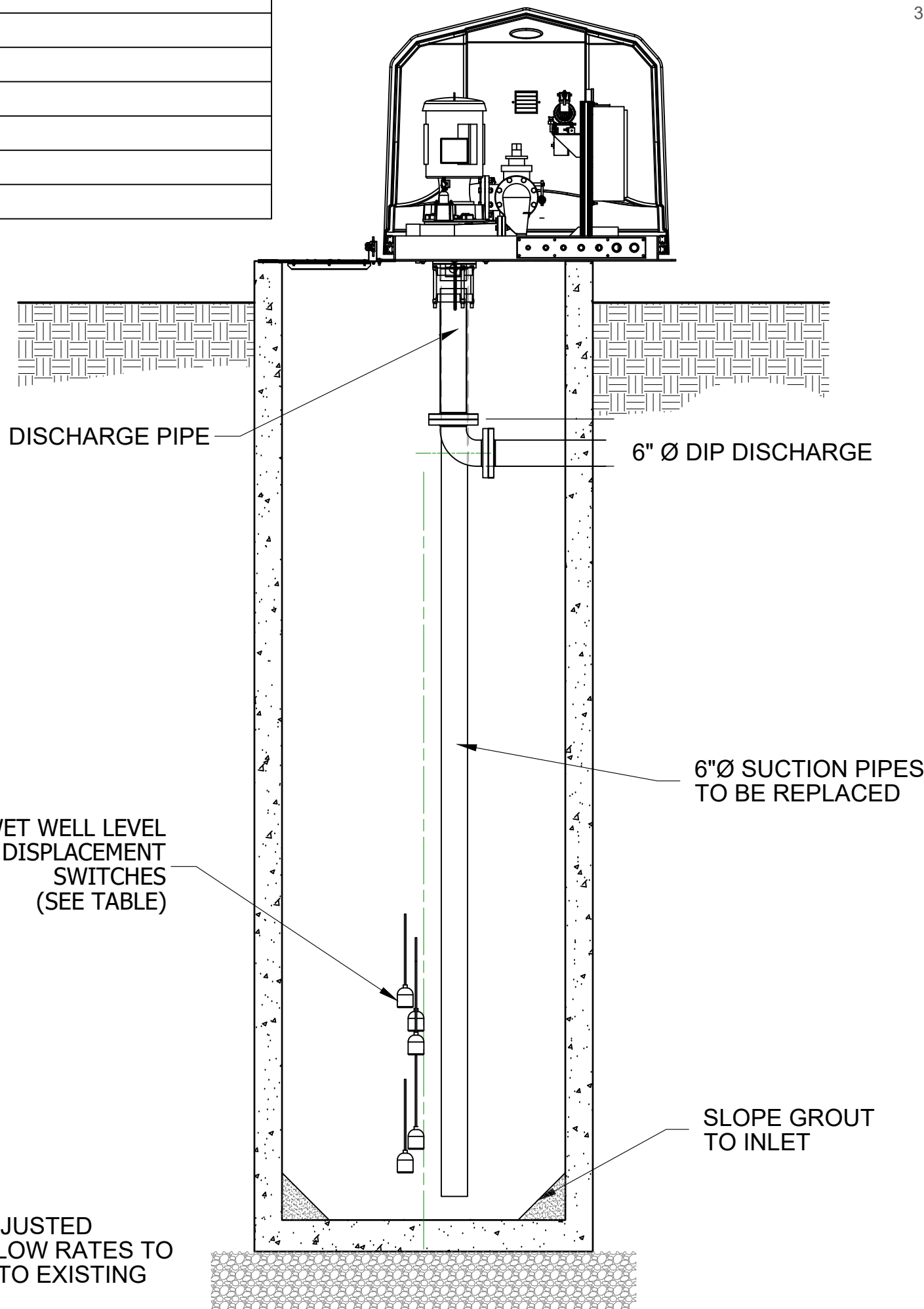


SECTION VIEW
LIFT STATION WETWELL
SCALE: 3/8" = 1'-0"

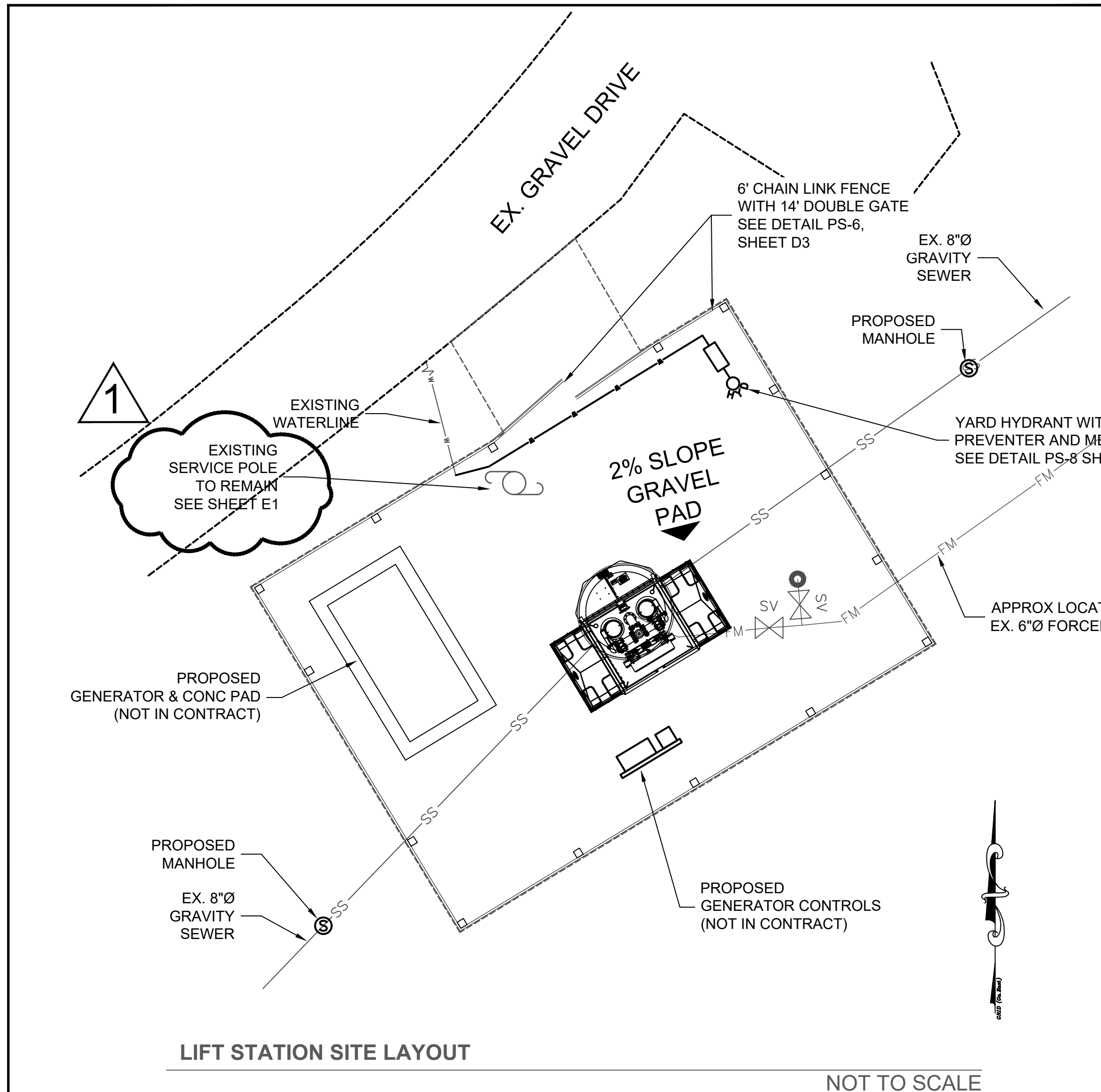
SMITH & LOVELESS PUMP DATA	
GPM Rating	350
MODEL	4C3B*1
TDH (ft)	146
HP	30
RPM	1760
Volts	120/240
Phase	3
Hz	60

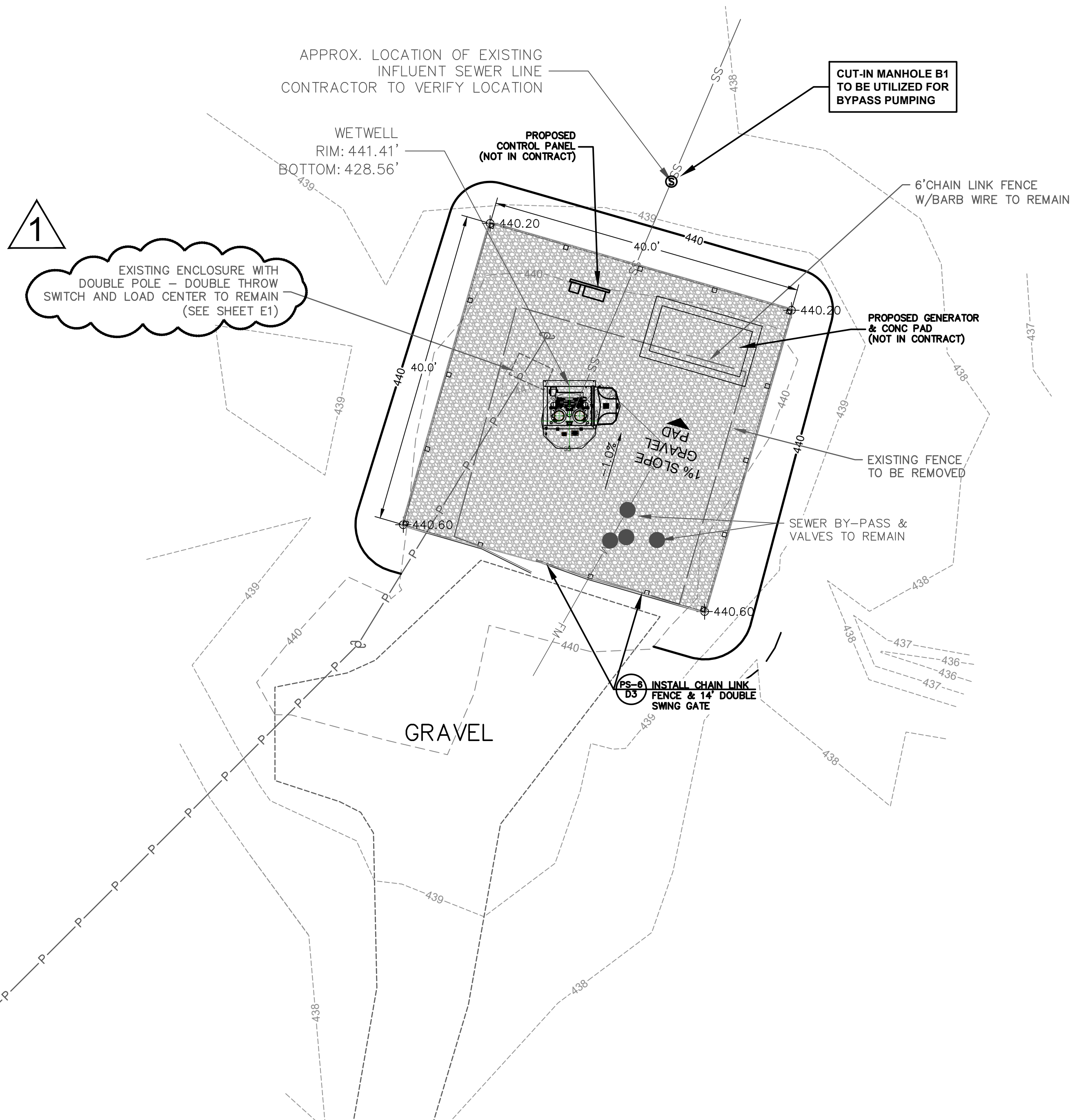
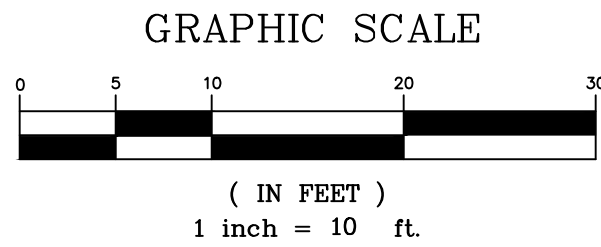
TABLE 2 (TYPICAL WET WELL LEVEL SETTINGS)		
ITEM	DIMENSION	LEVEL FROM BOTTOM
LOW WATER ALARM	B	1'-0"
PUMPS OFF	C	1'-6"
LOW LEVEL	D	3'-6"
HIGH LEVEL	E	4'-0"
HIGH WATER ALARM	F	4'-6"

**FLOAT LEVELS MAY NEED TO BE ADJUSTED BASED ON ACTUAL FIELD VERIFIED FLOW RATES TO ENSURE ADEQUATE RUN TIMES DUE TO EXISTING FORCEMAIN.



SECTION VIEW - SIDE
LIFT STATION WETWELL
SCALE: 3/8" = 1'-0"





ABANDONMENT NOTES:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING THE EXISTING PUMP STATION SITE AS FOLLOWS:

- BEFORE TAKING PUMPS OFFLINE CONTRACTOR SHALL CUT-IN MANHOLE B1 ON INFLUENT GRAVITY SEWER LINE TO UTILIZE FOR BYPASS PUMPING. EXACT LOCATION OF MANHOLE TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE WORK BEING PERFORMED.
- ONCE BYPASS MANHOLE IS FULLY FUNCTIONAL AND OPERATIONAL, CONTRACTOR SHALL BEGIN BYPASS PUMPING FROM MANHOLE B1. CONTRACTOR SHALL THEN COLLECT THE CONTENTS OF THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY AS NECESSARY. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED
- ELECTRICAL - DISCONNECT AND REMOVE PUMP CONTROL PANEL AND MAIN CONTROL PANEL AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. WORK INCLUDES REMOVING ALL WIRING AND CONDUITS ABOVE GROUND. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH POWER COMPANY AS NECESSARY.
- EXISTING PUMP STATION PACKAGE - REMOVE EXISTING PUMPS AND COMPONENTS AND DELIVER TO CITY WASTEWATER TREATMENT FACILITY, IF DESIRED BY THE CITY. OTHERWISE, DISPOSE OF ALL COMPONENTS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- ONCE NEW PUMP STATION, FORCE MAIN CONNECTION, AND SEWER LINES HAVE BEEN TESTED AND RECEIVED CITY APPROVAL, REMOVE PLUG FROM MANHOLE B1 AND ALLOW SEWER LINE TO FLOW TO THE EXISTING PUMP STATION.
- REMOVE ALL OTHER COMPONENTS AS NOTED ON THIS PLAN AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- UNDER NO CIRCUMSTANCES SHALL THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A STREAM OR LAKE BE ALLOWED.

SHEET NOTES:

- PUMPS SHALL BE MANUFACTURED BY SMITH & LOVELESS.
- SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.
- FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALL AND TOP USE LINK SEAL WS PRODUCTS. ALL LINK SEALS SHALL BE GROUTED.
- ALL PIPING INSIDE THE WETWELL SHALL BE FLANGED D.I.P. AND COATED. SEE COATING NOTES 2 & 3 ON THIS SHEET.
- SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES, PIPING, VALVES, PUMPS, GAUGES, HATCHES, FITTINGS, SEALS, AND ASSOCIATED ITEMS IN ACCORDANCE WITH SPECIFICATION SECTION 01300.

MANHOLE / WETWELL AND PIPELINE COATING NOTES:

- ALL WETWELLS SHALL BE COATED IN ACCORDANCE WITH SECTION 02604 OF THE SPECIFICATIONS.
- THE INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS.
- THE EXTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18001 OF THE SPECIFICATIONS.

EMI ENGINEERING MANAGEMENT
Experience ■ Trust ■ Solutions

303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax # 770-962-8010
www.emimc.biz

**SPARTA SEWER SYSTEM
REHABILITATION:
CONTRACT 1 - PUMP STATION
REPLACEMENTS
FOR THE
CITY OF SPARTA, GEORGIA**

PUMP STATION NO. 2 WASTEWATER PLANT PUMP STATION	
DESIGN BY DSP	CHECKED BY GKB
DRAWN BY DSP	FILE LOCATION GKB

STAMP

PROFESSIONAL
ENGINEER
NO. 46825
DATE 09/16/2025
NAME S. PATTENSON

10/21/2024 DATE	23021 JOB NUMBER
z:\proj\jcts FILE LOCATION	

PS2

© 1996 EMI ASSOC., INC.
ENGINEERING MANAGEMENT, INC.
ALL RIGHTS RESERVED.

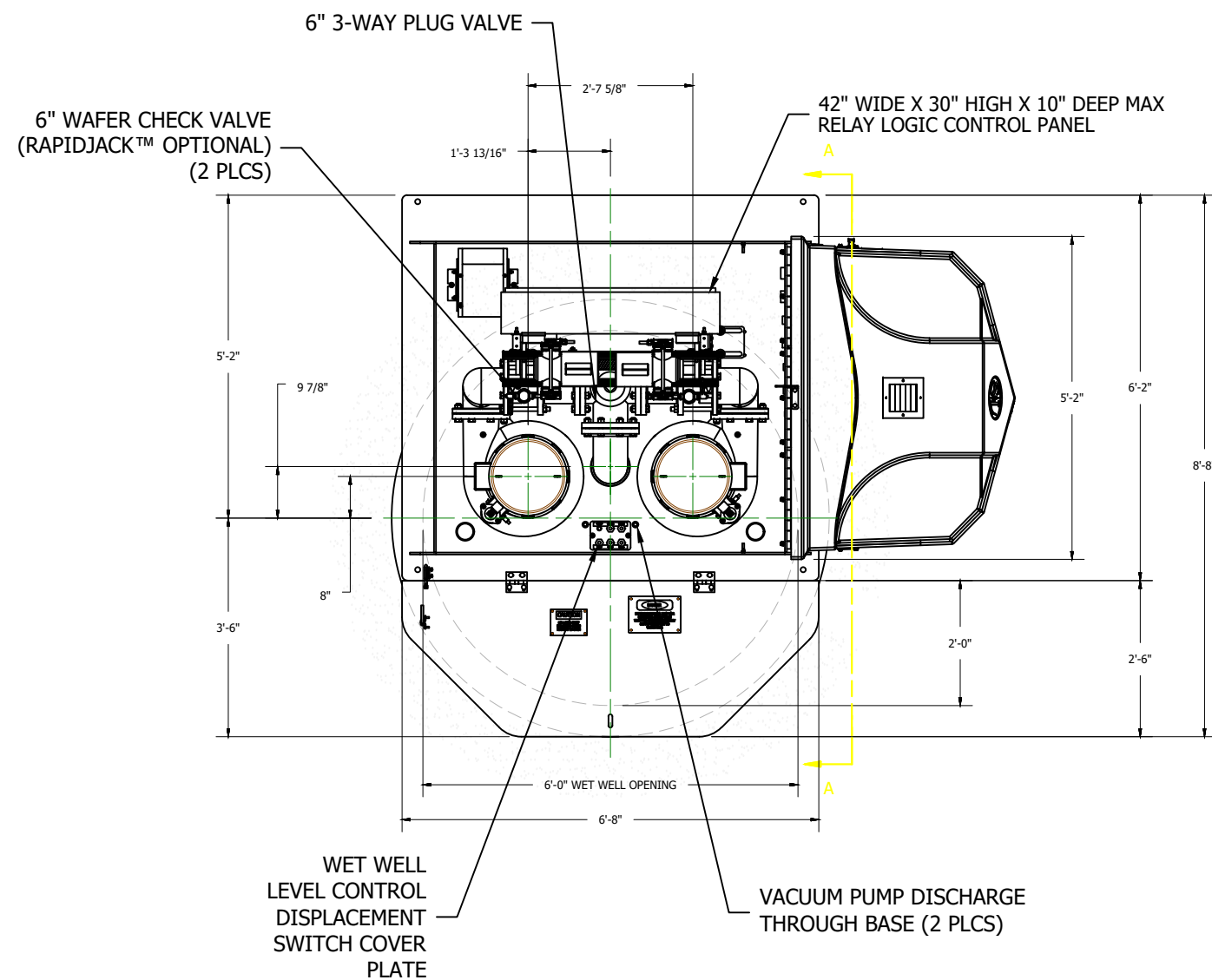
THESE CONSTRUCTION DOCUMENTS AND
PRINTED REPRODUCTIONS ARE WHOLLY OR
PARTIALLY THE PROPERTY OF ENGINEERING
MANAGEMENT, INC. AND ARE NOT TO BE
REPRODUCED OR COPIED IN ANY MANNER
WITHOUT THE WRITTEN PERMISSION OF
ENGINEERING MANAGEMENT, INC.

DATE	NO.	DESCRIPTION
9/16/2025	A	RELEASED FOR EROSION CONTROL REVIEW
9/16/2025	B	RELEASED FOR EPD TECHNICAL REVIEW
10/03/2025	C	RELEASED FOR BIDS
10/27/2025	D	ADDENDUM NO.1 ELECTRICAL PLAN SHEET E1.
		ELECTRICAL COMPONENTS TO REMAIN
		SEE SHEETS PS1-PS3.1

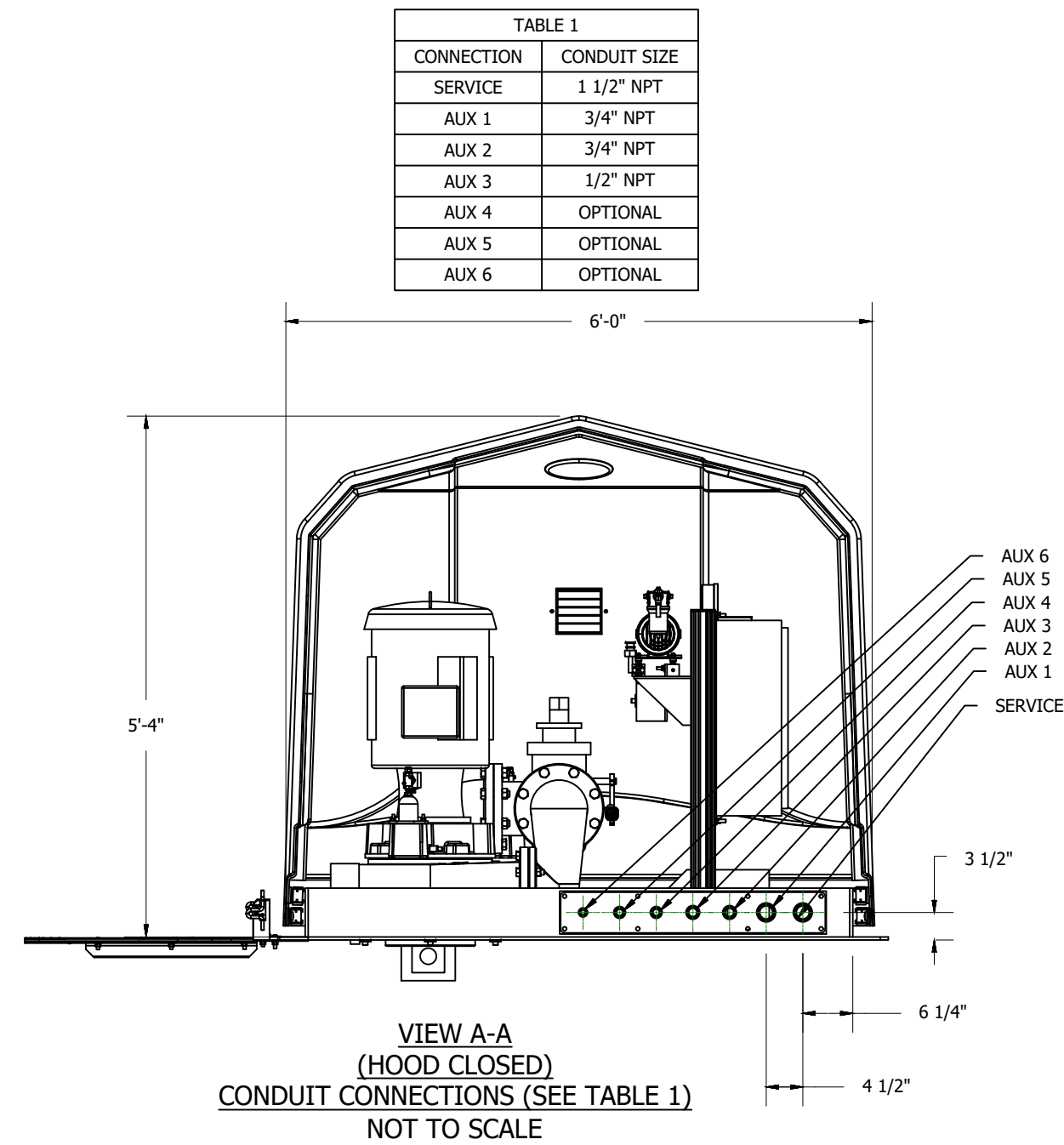
REVISION

SHEET

PATH & FILE: z:\PROJECTS\23021\2021 Sparta Sewer System Rehabilitation\Design Stage\2021 - BASE REVISED



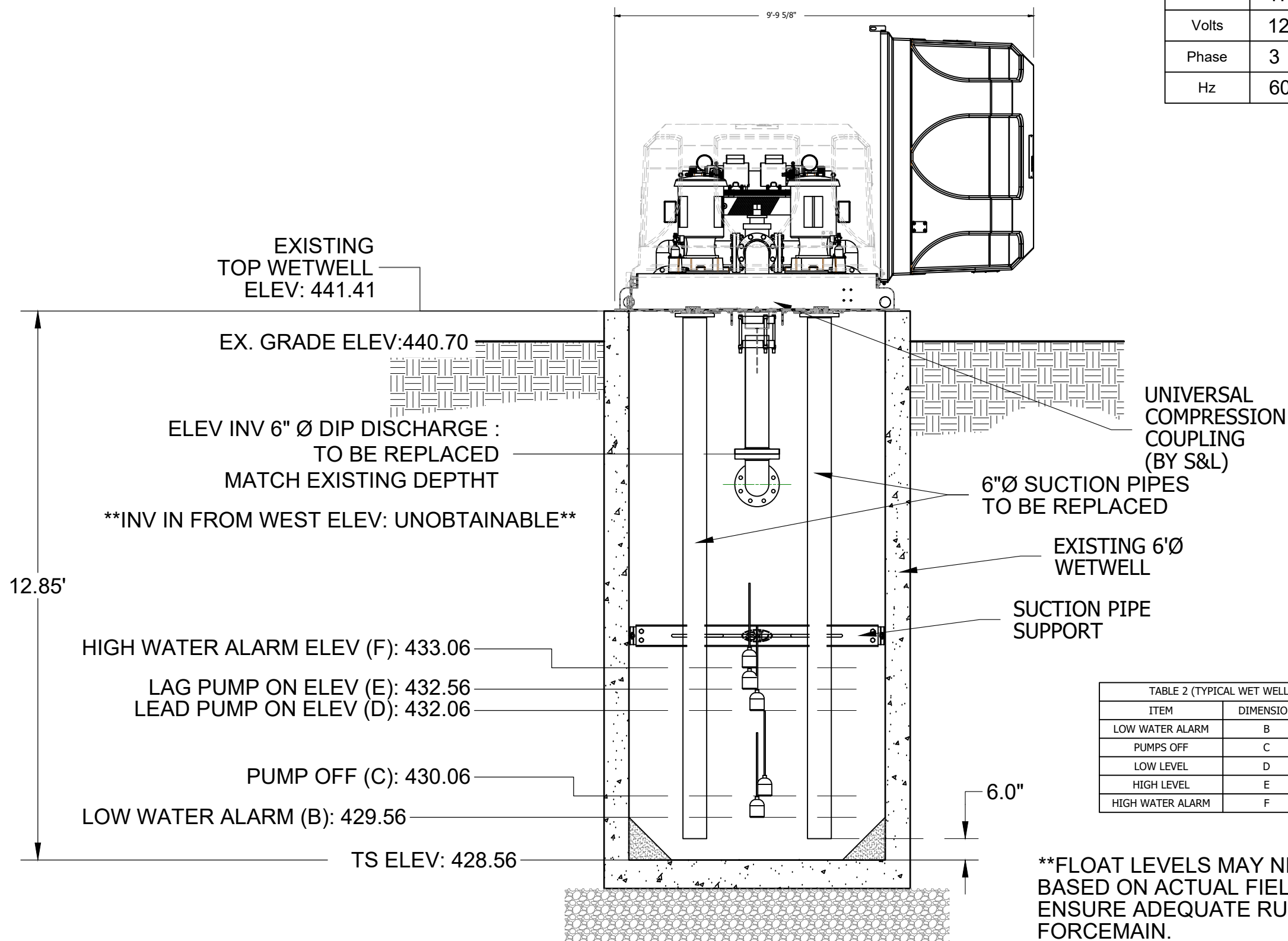
**LIFT STATION WETWELL
PLAN VIEW**
SCALE: 3/8" = 1'-0"



SMITH & LOVELESS PUMP DATA	
GPM Rating	180
MODEL	4B3B*1
TDH (ft)	101
HP	15
RPM	1760
Volts	120/240
Phase	3
Hz	60

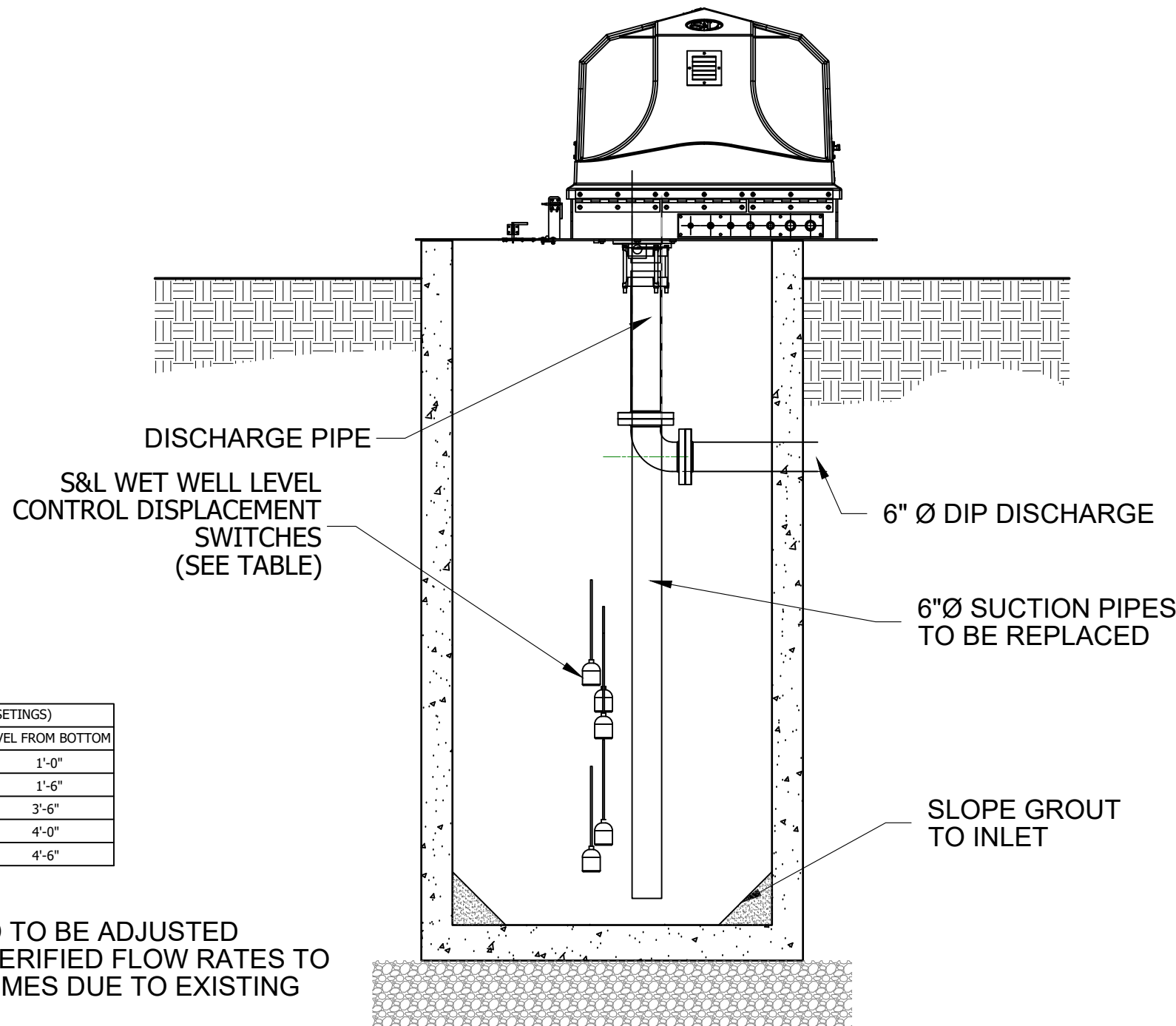
TABLE 2 (TYPICAL WET WELL LEVEL SETTINGS)		
ITEM	DIMENSION	LEVEL FROM BOTTOM
LOW WATER ALARM	B	1'-0"
PUMPS OFF	C	1'-6"
LOW LEVEL	D	3'-6"
HIGH LEVEL	E	4'-0"
HIGH WATER ALARM	F	4'-6"

****FLOAT LEVELS MAY NEED TO BE ADJUSTED
BASED ON ACTUAL FIELD VERIFIED FLOW RATES TO
ENSURE ADEQUATE RUN TIMES DUE TO EXISTING
FORCEMAIN.**



**SECTION VIEW
LIFT STATION WETWELL**

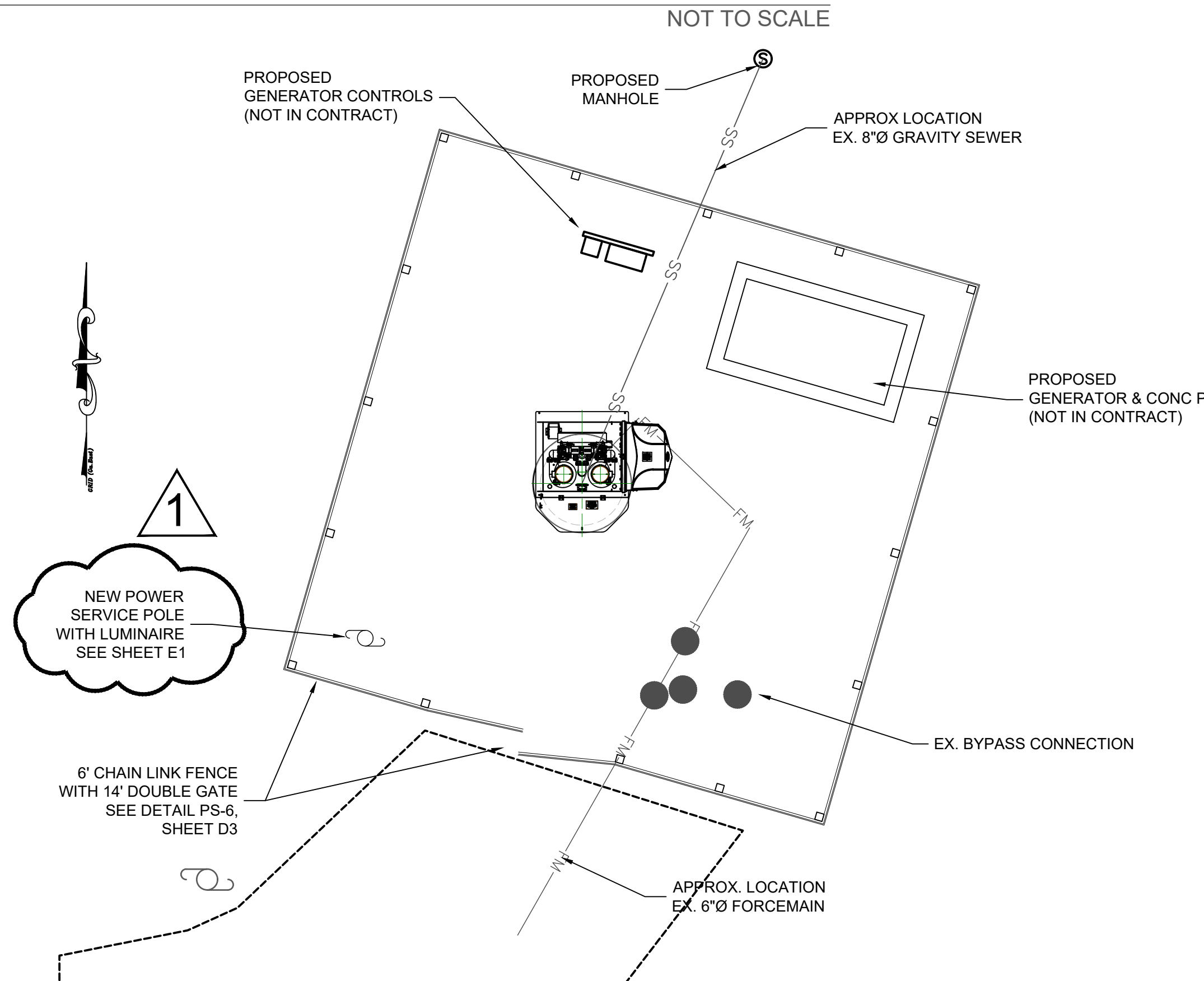
SCALE: 3/8" = 1'-0"



**SECTION VIEW - SIDE
LIFT STATION WETWELL**

SCALE: 3/8" = 1'-0"

LIFT STATION SITE LAYOUT



ABANDONMENT NOTES:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING THE EXISTING PUMP STATION SITE AS FOLLOWS:

- BEFORE TAKING PUMPS OFFLINE CONTRACTOR SHALL CUT-IN MANHOLE B1 ON INFLUENT GRAVITY SEWER LINE TO UTILIZE FOR BYPASS PUMPING. EXACT LOCATION OF MANHOLE TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE WORK BEING PERFORMED.
- ONCE BYPASS MANHOLE IS FULLY FUNCTIONAL AND OPERATIONAL, CONTRACTOR SHALL BEGIN BYPASS PUMPING FROM MANHOLE B1. CONTRACTOR SHALL THEN COLLECT THE CONTENTS OF THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY AS NECESSARY. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED.
- ELECTRICAL - DISCONNECT AND REMOVE PUMP CONTROL PANEL AND MAIN CONTROL PANEL AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. WORK INCLUDES REMOVING ALL WIRING AND CONDUITS ABOVE GROUND. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH POWER COMPANY AS NECESSARY.
- EXISTING PUMP STATION PACKAGE - REMOVE EXISTING PUMPS AND COMPONENTS AND DELIVER TO CITY WASTEWATER TREATMENT FACILITY, IF DESIRED BY THE CITY. OTHERWISE, DISPOSE OF ALL COMPONENTS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- ONCE NEW PUMP STATION, FORCE MAIN CONNECTION, AND SEWER LINES HAVE BEEN TESTED AND RECEIVED CITY APPROVAL, REMOVE PLUG FROM MANHOLE B1 AND ALLOW SEWER LINE TO FLOW TO THE EXISTING PUMP STATION.
- REMOVE ALL OTHER COMPONENTS AS NOTED ON THIS PLAN AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- UNDER NO CIRCUMSTANCES SHALL THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A STREAM OR LAKE BE ALLOWED.

SHEET NOTES:

- PUMPS SHALL BE MANUFACTURED BY SMITH & LOVELESS.
- SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.
- ALL PIPING INSIDE WETWELL TO BE REPLACED AND COATED IN ACCORDANCE WITH SECTION 18000 AND SECTION 18001 OF THE SPECIFICATIONS.
- FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALL AND TOP USE LINK SEAL WS PRODUCTS. ALL LINK SEALS SHALL BE GROUTED.
- ALL PIPING INSIDE THE WETWELL SHALL BE FLANGED D.I.P. AND COATED. SEE COATING NOTES 2 & 3 ON THIS SHEET.
- SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES, PIPING, VALVES, PUMPS, GAUGES, HATCHES, FITTINGS, SEALS, AND ASSOCIATED ITEMS IN ACCORDANCE WITH SPECIFICATION SECTION 01300.

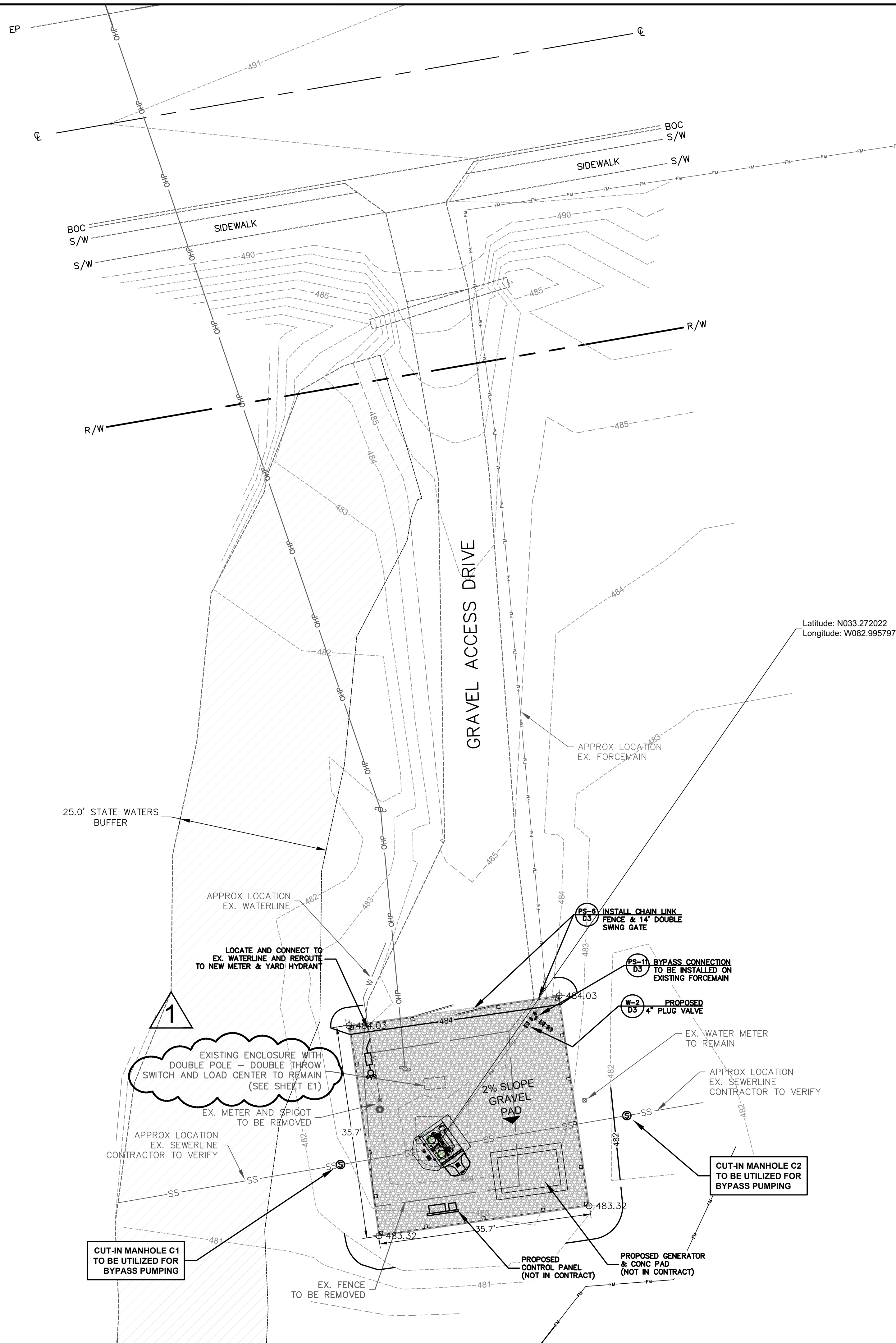
MANHOLE / WETWELL AND PIPELINE COATING NOTES:

- ALL WETWELLS SHALL BE COATED IN ACCORDANCE WITH SECTION 02604 OF THE SPECIFICATIONS.
- THE INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS.
- THE EXTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18001 OF THE SPECIFICATIONS.

DATE	NO.	DESCRIPTION
9/16/2025	A	RELEASED FOR EROSION CONTROL REVIEW
9/16/2025	B	RELEASED FOR EPD TECHNICAL REVIEW
10/03/2025	C	RELEASED FOR BIDS
10/27/2025	D	ADDENDUM NO.1 ELECTRICAL PLAN SHEET E1, ELECTRICAL COMPONENTS TO REMAIN
		SEE SHEETS PS1-PS3.1

PUMP STATION NO. 2 WASTEWATER PLANT PS DETAILS	CHECKED BY GKB
SHEET TITLE	DRAWN BY DSP
DESIGN BY DSP	

10/21/24 DATE	23021 JOB NUMBER	z:\projects FILE LOCATION
------------------	---------------------	------------------------------



- SHEET NOTES:**
- PUMPS SHALL BE MANUFACTURED BY SMITH & LOVELESS.
 - SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.
 - FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALL AND TOP USE LINK SEAL WS PRODUCTS. ALL LINK SEALS SHALL BE GROUTED.
 - ALL PIPING INSIDE THE WETWELL SHALL BE FLANGED D.I.P. AND COATED. SEE COATING NOTES 2 & 3 ON THIS SHEET.
 - SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES, PIPING, VALVES, PUMPS, GAUGES, HATCHES, FITTINGS, SEALS, AND ASSOCIATED ITEMS IN ACCORDANCE WITH SPECIFICATION SECTION 01300.

- ABANDONMENT NOTES:**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING THE EXISTING PUMP STATION SITE AS FOLLOWS:
- CONTRACTOR TO INSTALL BYPASS CONNECTION ON EXISTING FORCEMAIN, COLLECT THE CONTENTS RECEIVED WHILE FORCEMAIN IS OFF LINE FROM THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY AS NEEDED. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED
 - BEFORE TAKING PUMPS OFFLINE CONTRACTOR SHALL CUT-IN MANHOLES C1 AND C2 ON INFLUENT GRAVITY SEWER LINES TO UTILIZE FOR BYPASS PUMPING. EXACT LOCATION OF MANHOLES TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE WORK BEING PERFORMED.
 - ONCE BYPASS CONNECTION IS FULLY FUNCTIONAL AND OPERATIONAL, CONTRACTOR SHALL BEGIN BYPASS PUMPING FROM PREVIOUSLY INSTALLED SEWER MANHOLES C1 & C2, CONTRACTOR SHALL THEN COLLECT THE CONTENTS OF THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED
 - ELECTRICAL - DISCONNECT AND REMOVE PUMP CONTROL PANEL AND MAIN CONTROL PANEL AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. WORK INCLUDES REMOVING ALL WIRING AND CONDUITS ABOVE GROUND. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH POWER COMPANY AS NECESSARY.
 - EXISTING PUMP STATION PACKAGE - REMOVE EXISTING PUMPS AND COMPONENTS AND DELIVER TO CITY WASTEWATER TREATMENT FACILITY, IF DESIRED BY THE CITY. OTHERWISE, DISPOSE OF ALL COMPONENTS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
 - ONCE NEW PUMP STATION, FORCE MAIN CONNECTION, AND SEWER LINES HAVE BEEN TESTED AND RECEIVED CITY APPROVAL, REMOVE PLUG FROM MANHOLES C1 & C2 AND ALLOW SEWER LINE TO FLOW TO THE EXISTING PUMP STATION.
 - REMOVE ALL OTHER COMPONENTS AS NOTED ON THIS PLAN AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
 - UNDER NO CIRCUMSTANCES SHALL THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A STREAM OR LAKE BE ALLOWED.

- MANHOLE / WETWELL AND PIPELINE COATING NOTES:**
- ALL WETWELLS SHALL BE COATED IN ACCORDANCE WITH SECTION 02604 OF THE SPECIFICATIONS.
 - THE INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS.
 - THE EXTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18001 OF THE SPECIFICATIONS.

ENGINEERING MANAGEMENT, INC.
© 1996
ALL RIGHTS RESERVED.
THESE CONSTRUCTION DOCUMENTS ARE
THE PROPERTY OF ENGINEERING
MANAGEMENT, INC. AND ARE NOT TO BE
REPRODUCED OR COPIED IN ANY MANNER
WITHOUT THE WRITTEN PERMISSION OF
ENGINEERING MANAGEMENT, INC.

DESCRIPTION
DATE NO. DESCRIPTION
9/16/2025 A RELEASED FOR EPOD CONTROL REVIEW
9/16/2025 B RELEASED FOR EPOD TECHNICAL REVIEW
10/03/2025 C RELEASED FOR BIDS
10/27/2025 D ADDENDUM NO.1 ELECTRICAL PLAN SHEET E1
ELECTRICAL COMPONENTS TO REMAIN
SEE SHEETS PS1-PS3.1

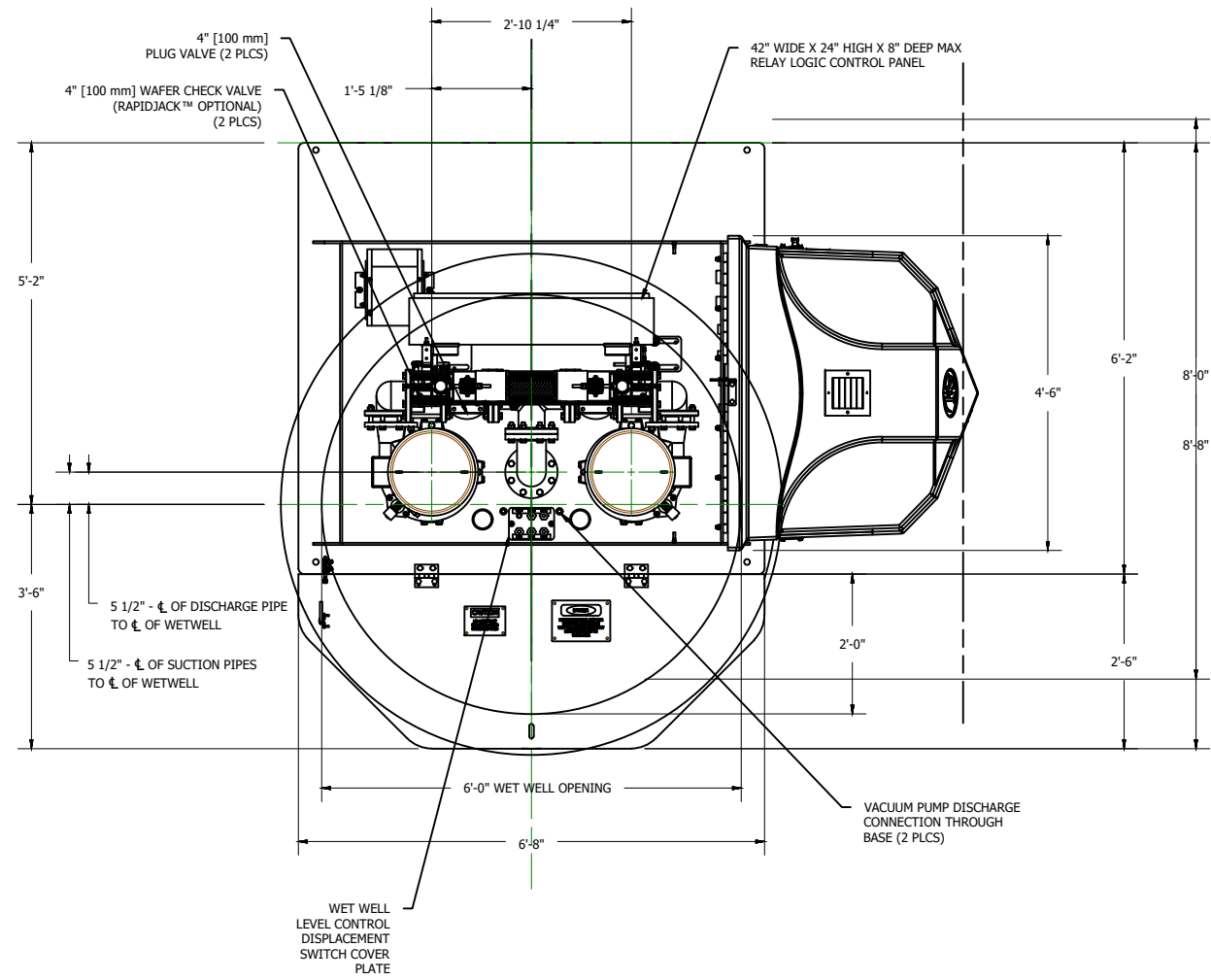
ENGINEERING
MANAGEMENT
Experience + Trust
303 Swanson Drive, Lawrenceville, GA 30043
phone 770-962-1387 fax # 770-962-8010
www.eminc.biz

SPARTA SEWER SYSTEM
REHABILITATION:
CONTRACT 1 - PUMP STATION
REPLACEMENTS
FOR THE
CITY OF SPARTA, GEORGIA

PUMP STATION NO. 3
SR 22 IN THE WOODS
PUMP STATION
SHEET TITLE
DESIGN BY DSP
DRAWN BY DSP
CHECKED BY GKB

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
NO. 46823
DATE 09/16/2025
JANET S. PATTERSON
STAMP
10/21/2024
DATE
23021
JOB NUMBER
z:\projects
FILE LOCATION
PS3

PATH & FILE: z:\PROJECTS\23021 Sparta Sewer System Rehabilitation\Design Stage\23021 - BASE REVISED
SHEET



LIFT STATION WETWELL
PLAN VIEW
SCALE: 3/8" = 1'-0"

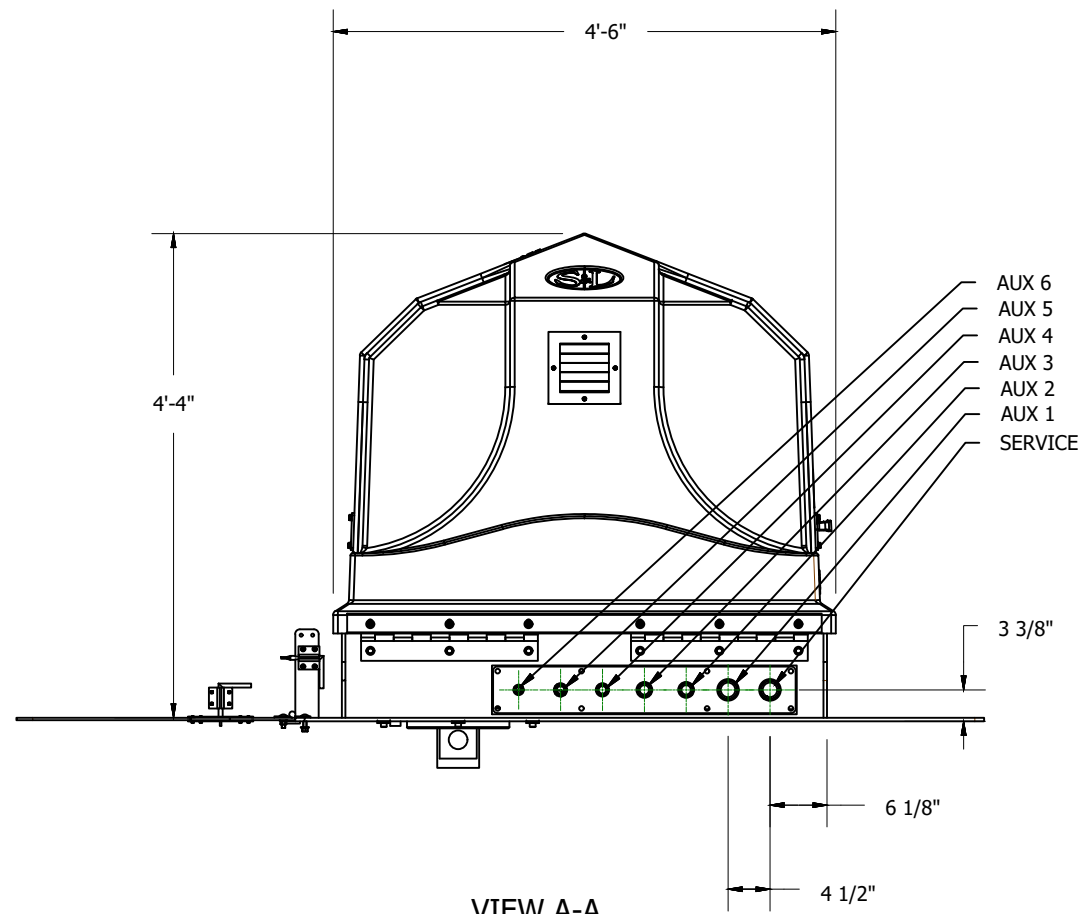


TABLE 1	
CONNECTION	CONDUIT SIZE
SERVICE	1 1/2" NPT
AUX 1	3/4" NPT
AUX 2	3/4" NPT
AUX 3	1/2" NPT
AUX 4	OPTIONAL
AUX 5	OPTIONAL
AUX 6	OPTIONAL

VIEW A-A
(HOOD CLOSED)
CONDUIT CONNECTIONS (SEE TABLE 1)
NOT TO SCALE

SMITH & LOVELESS PUMP DATA	
GPM Rating	80
MODEL	4B2D*1
TDH (ft)	62
HP	7.5
RPM	1760
Volts	120/240
Phase	3
Hz	60

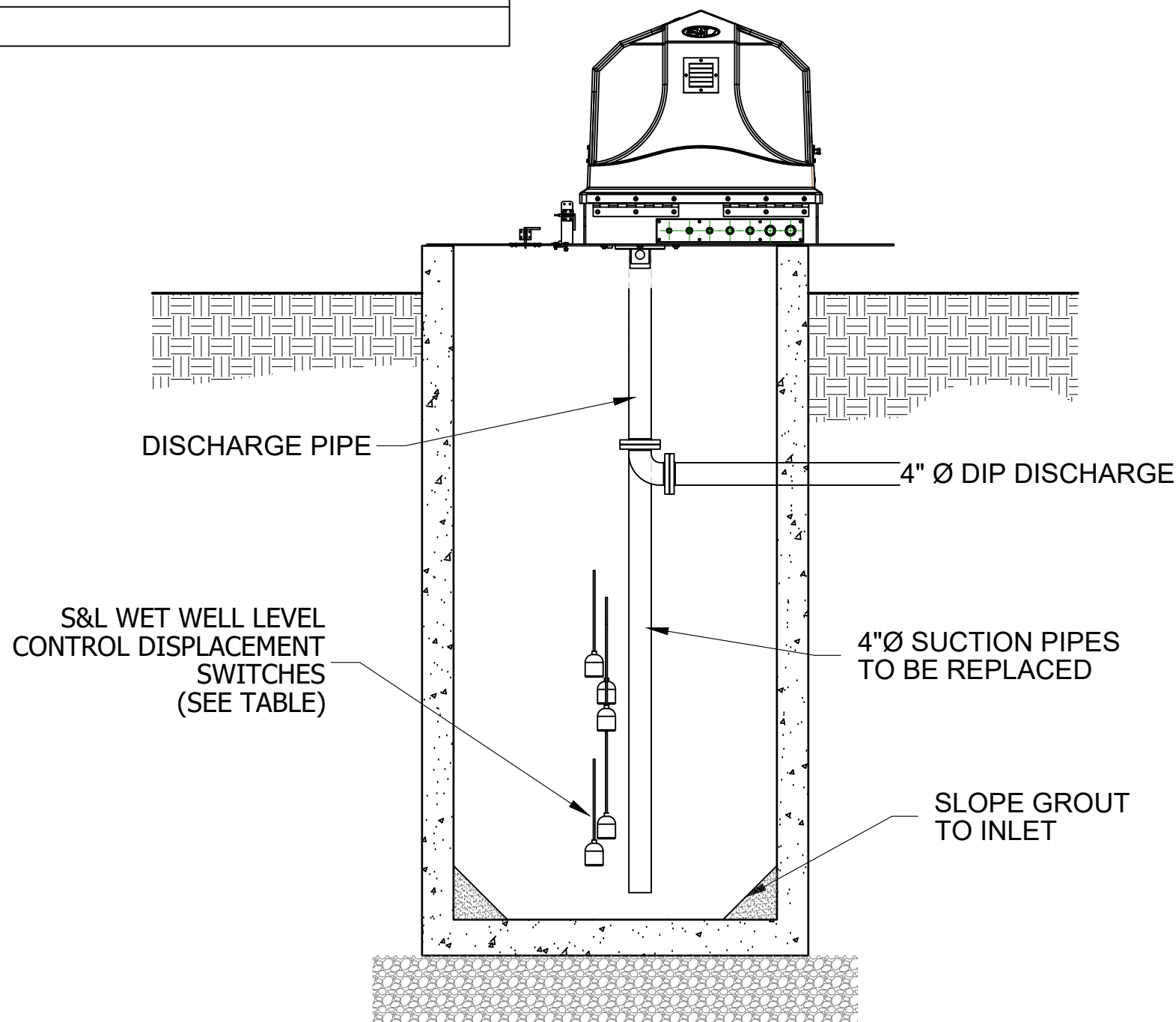
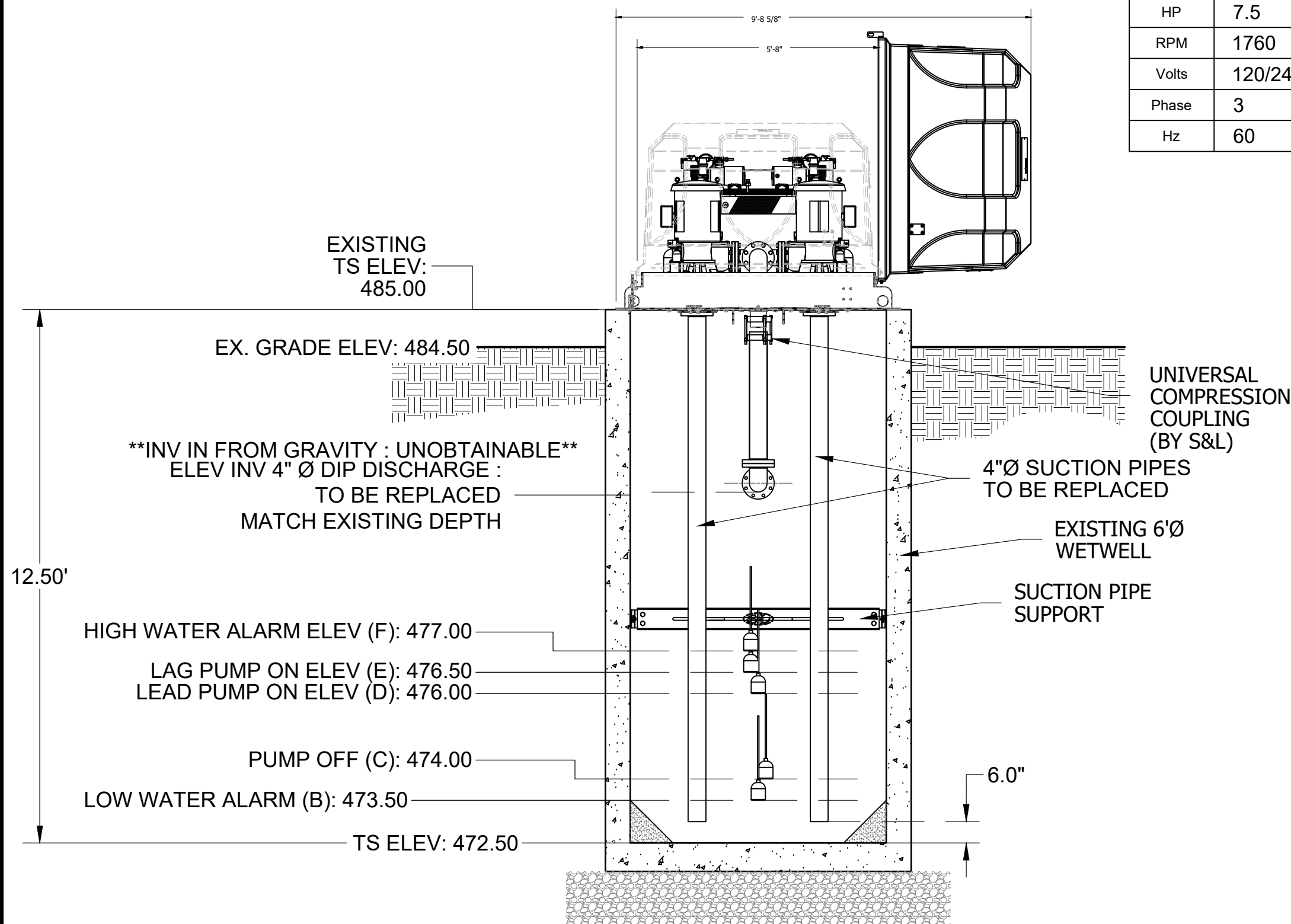


TABLE 2 (TYPICAL WET WELL LEVEL SETTINGS)		
ITEM	DIMENSION	LEVEL FROM BOTTOM
LOW WATER ALARM	B	1'-0"
PUMPS OFF	C	1'-6"
LOW LEVEL	D	3'-6"
HIGH LEVEL	E	4'-0"
HIGH WATER ALARM	F	4'-6"

**FLOAT LEVELS MAY NEED TO BE ADJUSTED BASED ON ACTUAL FIELD VERIFIED FLOW RATES TO ENSURE ADEQUATE RUN TIMES DUE TO EXISTING FORCEMAIN.

SECTION VIEW
LIFT STATION WETWELL

SCALE: 3/8" = 1'-0"

SECTION VIEW - SIDE
LIFT STATION WETWELL

SCALE: 3/8" = 1'-0"

ABANDONMENT NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABANDONING THE EXISTING PUMP STATION SITE AS FOLLOWS:

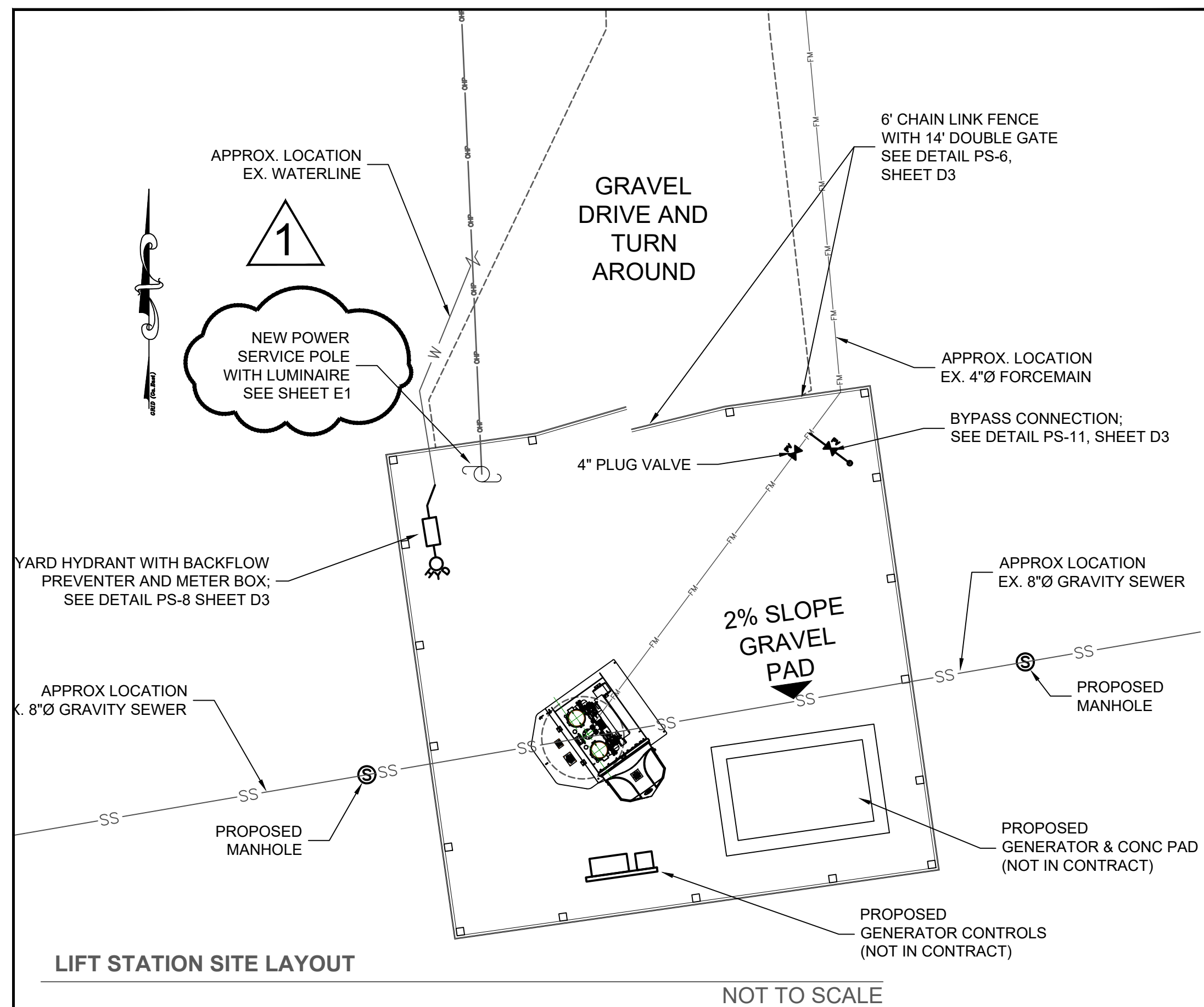
- CONTRACTOR TO INSTALL BYPASS CONNECTION ON EXISTING FORCEMAIN. COLLECT THE CONTENTS RECEIVED WHILE FORCEMAIN IS OFF LINE FROM THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY AS NEEDED. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED
- BEFORE TAKING PUMPS OFFLINE CONTRACTOR SHALL CUT-IN MANHOLES C1 AND C2 ON INFLUENT GRAVITY SEWER LINES TO UTILIZE FOR BYPASS PUMPING, EXACT LOCATION OF MANHOLES TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO THE WORK BEING PERFORMED.
- ONCE BYPASS CONNECTION IS FULLY FUNCTIONAL AND OPERATIONAL, CONTRACTOR SHALL BEGIN BYPASS PUMPING FROM PREVIOUSLY INSTALLED SEWER MANHOLES C1 & C2, CONTRACTOR SHALL THEN COLLECT THE CONTENTS OF THE EXISTING WETWELL AND TRANSPORT TO THE CITY'S WASTEWATER TREATMENT FACILITY. CONTRACTOR TO COORDINATE WITH THE CITY AND ENGINEER PRIOR TO THE WORK BEING PERFORMED
- ELECTRICAL - DISCONNECT AND REMOVE PUMP CONTROL PANEL AND MAIN CONTROL PANEL AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. WORK INCLUDES REMOVING ALL WIRING AND CONDUITS ABOVE GROUND. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH POWER COMPANY AS NECESSARY.
- EXISTING PUMP STATION PACKAGE - REMOVE EXISTING PUMPS AND COMPONENTS AND DELIVER TO CITY WASTEWATER TREATMENT FACILITY, IF DESIRED BY THE CITY. OTHERWISE, DISPOSE OF ALL COMPONENTS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- ONCE NEW PUMP STATION, FORCE MAIN CONNECTION, AND SEWER LINES HAVE BEEN TESTED AND RECEIVED CITY APPROVAL, REMOVE PLUG FROM MANHOLES C1 & C2 AND ALLOW SEWER LINE TO FLOW TO THE EXISTING PUMP STATION.
- REMOVE ALL OTHER COMPONENTS AS NOTED ON THIS PLAN AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- UNDER NO CIRCUMSTANCES SHALL THE BYPASSING OF RAW WASTEWATER ONTO THE GROUND OR INTO A STREAM OR LAKE BE ALLOWED.

SHEET NOTES:

- PUMPS SHALL BE MANUFACTURED BY SMITH & LOVELESS.
- SEE ELECTRICAL PLANS FOR ELECTRICAL REQUIREMENTS.
- ALL PIPING INSIDE WETWELL TO BE REPLACED AND COATED IN ACCORDANCE WITH SECTION 18000 AND SECTION 18001 OF THE SPECIFICATIONS.
- FOR ALL PIPE PENETRATIONS THROUGH CONCRETE WALL AND TOP USE LINK SEAL WS PRODUCTS. ALL LINK SEALS SHALL BE GROUTED.
- ALL PIPING INSIDE THE WETWELL SHALL BE FLANGED D.I.P. AND COATED. SEE COATING NOTES 2 & 3 ON THIS SHEET.
- SHOP DRAWINGS ARE REQUIRED ON ALL STRUCTURES, PIPING, VALVES, PUMPS, GAUGES, HATCHES, FITTINGS, SEALS, AND ASSOCIATED ITEMS IN ACCORDANCE WITH SPECIFICATION SECTION 01300.
- ALL PIPING INSIDE WET WELL AND PUMP ENCLOSURE SHALL BE PAINTED PER SECTION 09900.

MANHOLE / WETWELL AND PIPELINE COATING NOTES:

- ALL WETWELLS SHALL BE COATED IN ACCORDANCE WITH SECTION 02604 OF THE SPECIFICATIONS.
- THE INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18000 OF THE SPECIFICATIONS.
- THE EXTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE COATED IN ACCORDANCE WITH SECTION 18001 OF THE SPECIFICATIONS.



LIFT STATION SITE LAYOUT

NOT TO SCALE

DATE	NO.	DESCRIPTION
9/16/2025	A	RELEASED FOR EROSION CONTROL REVIEW
9/16/2025	B	RELEASED FOR EPD TECHNICAL REVIEW
10/03/2025	C	RELEASED FOR BIDS
10/27/2025	D	ADDENDUM NO. 1 ELECTRICAL PLAN SHEET E1, ELECTRICAL COMPONENTS TO REMAIN
		SEE SHEETS PS1-PS3.1

PUMP STATION NO. 3	SR22 IN THE WOODS PS
DETAILS	
SHEET TITLE	
DESIGN BY	DSP
DRAWN BY	DSP
CHECKED BY	GKB

10/21/24	DATE
23021	JOB NUMBER
z:\projects	FILE LOCATION