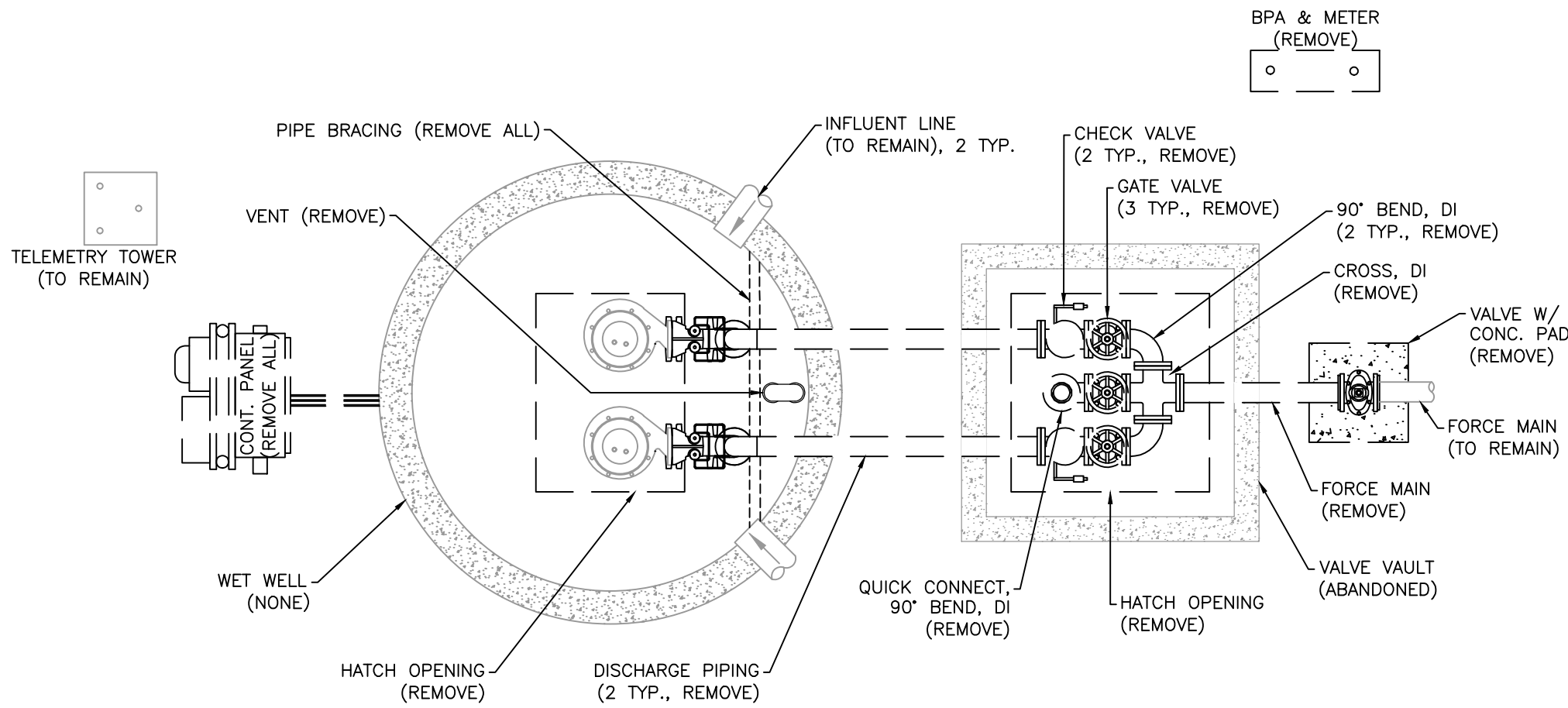


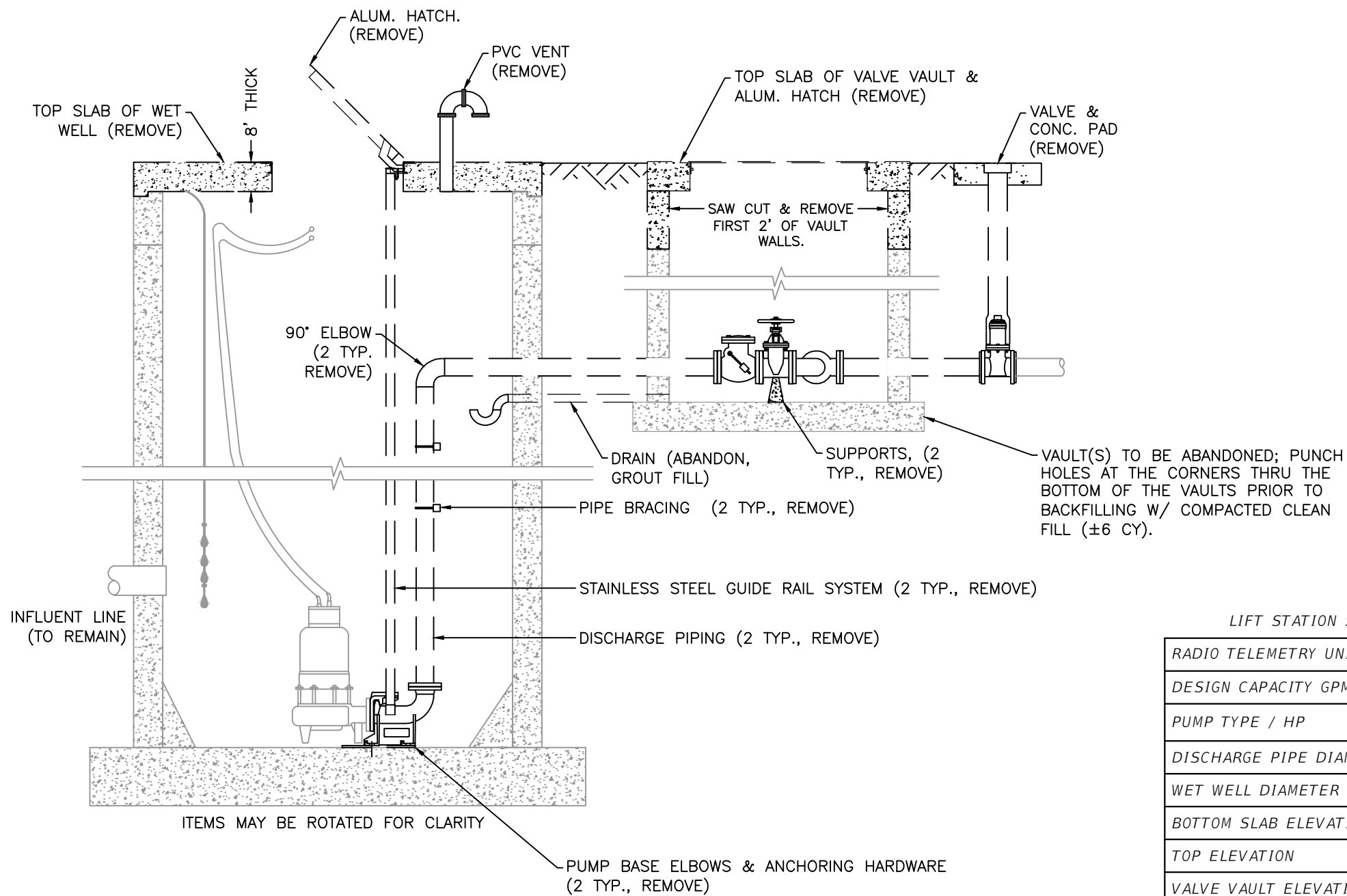
EXISTING

NOTES:

1. THE WET WELL AND VALVE VAULT CONFIGURATION SHOWN ON THESE GRAPHICS IS FOR IDENTIFICATION OF COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, CONFIGURATION, ETC. FOR ACCURACY.
2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
3. THE CONTRACTOR SHALL DETERMINE THE DISCHARGE PIPING ELEVATIONS DURING THE SITE VISITS.
4. REMOVAL AND REINSTALLATION OF THE PUMPS DURING THE REHABILITATION SHALL BE DONE BY MANATEE COUNTY PERSONNEL IN COORDINATION WITH THE CONTRACTOR
5. BY-PASS PUMPING IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. MANATEE COUNTY GOVERNMENT WILL PROVIDE ONE (1) LIFT STATION SHUT-DOWN AT NO COST TO THE CONTRACTOR. ADDITIONAL SHUT-DOWNS WILL COST THE CONTRACTOR \$3,500 EACH, IF NEEDED.
7. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ANY DAMAGED LANDSCAPING TO EXISTING OR DESIGN CONDITIONS.
8. THE WORK AREA IS LIMITED TO THE LIFT STATION SITE.



PLAN



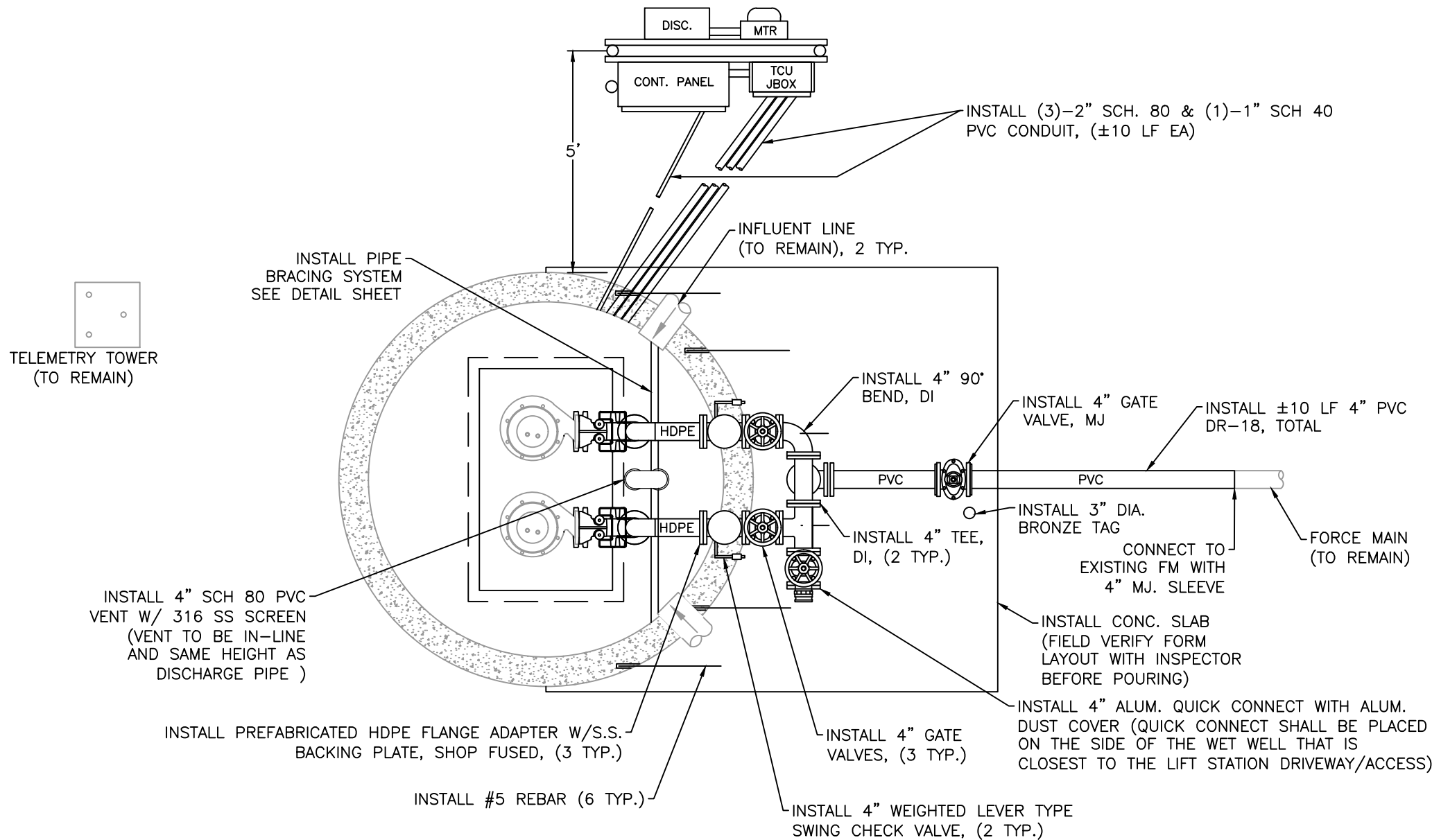
ELEVATION  
EX. 2 PUMP LIFT STATION  
NTS

LIFT STATION SCHEDULE (EXISTING)	
RADIO TELEMETRY UNIT (RTU)	464
DESIGN CAPACITY GPM/TDH	150 / 59
PUMP TYPE / HP	HOMA AMX434 / 10.4
DISCHARGE PIPE DIAMETER	4"
WET WELL DIAMETER	8'
BOTTOM SLAB ELEVATION	0.00**
TOP ELEVATION	16.00**
VALVE VAULT ELEVATION	UNK
INFLUENT INVERT ELEVATION	UNK
INFLUENT PIPE SIZE	(2)-8" PVC
FORCE MAIN DIAMETER	4"
WET WELL VENT PIPE	PVC
ELECT. POWER, VOLTS / PH	240 / 3
ELECT. SERVICE SIZE, AMPS	150
EX. FORCE MAIN TIE-IN	FM
FLOODPLAIN INFORMATION	X
* INFORMATION TAKEN FROM LIFT STATION DATA FILE (LSINFO.XLS 2024) & RECORD DRAWINGS. DATUM OF ELEVATIONS IS UNKNOWN.	

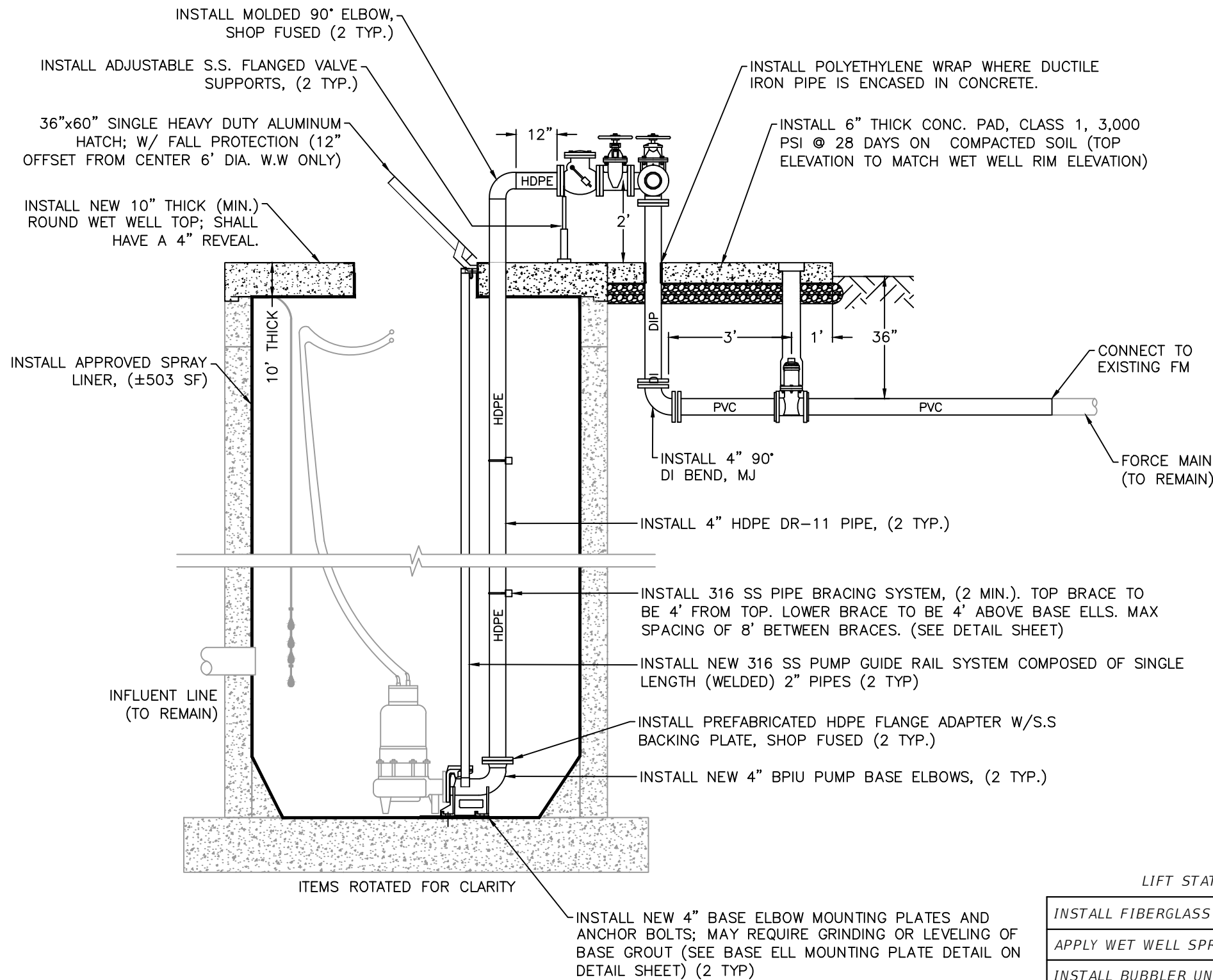
PROPOSED

GENERAL NOTES:

1. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS. ALL HORIZONTAL AND VERTICAL DISTANCES AND MEASUREMENTS SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. ALL MEASUREMENTS AND CALCULATIONS SHALL BE THE RESPONSIBILITY OF THE AWARDED CONTRACTOR.
2. THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL BE NOT MORE THAN 1/4" UNDER A TEN FOOT (10') STRAIGHTEDGE, NOT MORE THAN 1/8" ON A FIVE FOOT (5') TRANSVERSE SECTION. THE EDGE OF THE CONCRETE PAD SHALL BE CAREFULLY FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/2".
3. EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE CONCRETE PAD AND THE WET WELL SHALL BE 1/2" MATERIAL AND SHALL MEET THE REQUIREMENTS OF AASHTO M153 OR AASHTO M213.
4. THE EXTERIOR SURFACES OF THE CONCRETE WET WELL AND VALVE PAD EXPOSED ABOVE GRADE SHALL BE COATED WITH AT LEAST TWO COATS OF H & C SILICONE ACRYLIC CONCRETE STAIN, PATIO GREEN, MANUFACTURED BY FLR PAINTS. THE ABOVE GROUND VALVE ASSEMBLY & PIPING SHALL BE PAINTED, RUSTOLEUM 7538 HUNTER GREEN. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT OVER-SPRAY OF PAINT ONTO THE CONCRETE SLAB.
5. ALL PAINTING SHALL BE INCLUDED IN THE BID ITEM TO BE PAINTED.



PLAN

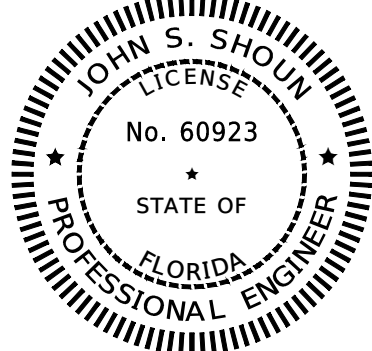


ELEVATION  
EX. 2 PUMP LIFT STATION  
NTS

LIFT STATION SCHEDULE (PROPOSED)	
INSTALL FIBERGLASS W.W. LINER	NO
APPLY WET WELL SPRAY LINER	YES
INSTALL BUBBLER UNIT	YES
INSTALL FORCE MAIN ISOLATION VALVE	YES
NEW HDPE DISCHARGE PIPING	YES
NEW BASE ELBOW	YES
MODIFY W.W. TOP ELEVATION BY (ADDING / REMOVING) PORTION OF BARREL SECTION	NO
MODIFY V.V. TOP ELEVATION BY (ADDING / REMOVING) PORTION OF WALL SECTION	NO
INSTALL WET WELL VENT PIPE	YES
INSTALL NEW WATER SERVICE ASSEMBLY	YES, STD
RELOCATE EX. WATER SERVICE ASSEMBLY	NO

CONSTRUCTION NOTES:

1. MANATEE COUNTY HAS FIRST RIGHTS OF REFUSAL ON ALL EXISTING EQUIPMENT.
2. INSTALL **ALL** NEW ELECTRICAL SERVICE WITH CONDUIT. IF THE EXISTING ELECTRICAL CONDUIT HAS A MINIMUM DIAMETER OF 2-INCHES OR IS PROPERLY SIZED PER NEC (WHICHEVER IS GREATER), THEN THE EXISTING ELECTRICAL CONDUIT CAN BE LEFT IN PLACE AND USED. IF NEEDED, THE EXISTING CONDUIT SHALL BE EXTEND TO THE NEW LOCATION AND INSTALL NEW CONDUCTORS, (±60 LF).
3. REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK), A CONTROL PANEL, TCU ENCLOSURE, JUNCTION BOX ENCLOSURE, A METER CAN, AND A SAFETY SWITCH (DISCONNECT). ALL REMAINING EXISTING ELECTRICAL EQUIPMENT CONNECTED TO THE EXISTING CONTROL PANEL SHALL BE RE-ESTABLISHED TO THE NEW PANEL. THE NEW ELECTRICAL STRUCTURE SHALL BE FIELD LOCATED WITH MANATEE COUNTY PERSONNEL. CONTRACTOR RESPONSIBLE FOR VERIFYING SIZE OF RACK TO HOLD ALL PROPOSED ELECTRICAL ENCLOSURES/COMPONENTS.  
  
A TCU BUBBLER UNIT (RPT-001) SYSTEM PROVIDED AND INSTALLED BY DATA FLOW SYSTEMS (DFS) FOR WET WELL LEVEL CONTROL AND SHALL BE INCLUDED WITH THE CONTROL PANEL.
4. AN ELECTRICAL SYSTEM STUDY, ELECTRICAL STUDY ANALYSIS, AND PROPER LABELING IN COMPLIANCE WITH NFPA 70E "STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE" AND IEEE 1584 2018 "GUIDE FOR PERFORMING ARC FLASH HAZARDS CALCULATIONS" SHALL BE PROVIDED.
5. INSTALL #5 REBAR (6 TYP.) EPOXY EMBEDDED INTO THE WET WELL TOP 3-4 INCHES DEEP AND CAST 3-4 FEET INTO THE VALVE ASSEMBLY CONCRETE PAD TO ENSURE THE TOPS OF THE WET WELL AND VALVE ASSEMBLY PAD WILL REMAIN FLUSH.
6. WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER AND/OR LINER REPAIR.
7. INSTALL A NEW 2-INCH WATER SERVICE LINE AND 6"x2" TAPPING SADDLE; A STANDARD METER/BPA ASSEMBLY; AND A 3/4-INCH HOSE BIBB ASSEMBLY PER COUNTY STANDARDS VIA HORIZONTAL DIRECTIONAL DRILL. THE EXISTING WATER MAIN IS LOCATED IN THE ROW ON THE OTHER SIDE OF THE ROADWAY. THE METER/BPA SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE FENCE / EASEMENT / RIGHT-OF-WAY LINE IN CLOSEST PROXIMITY TO THE WATER DISTRIBUTION MAIN. ALL ITEMS SHALL BE FIELD LOCATE WITH MANATEE COUNTY PERSONNEL. (±50 LF).
8. ABANDON EXISTING WATER SERVICE SADDLE AND CORPORATION AT MAIN; INSTALL A BRASS PLUG IN CORPORATION STOP.
9. INSTALL A 12-FIT WIDE 6-INCH THICK REINFORCE CONCRETE STANDARD DRIVEWAY. THE DRIVEWAY SHALL NOT EXCEED A 2% CROSS-SLOPE THRU THE PORTION THAT ALIGNS WITH THE EXISTING ADJACENT SIDEWALKS. EXACT LOCATION AND LAYOUT SHALL BE DETERMINED IN THE FIELD WITH COUNTY PERSONNEL. (±60 SY).
10. REGRADE SITE TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING DITCHES. MAXIMUM OF 1% SLOPE. WHERE APPROPRIATE, SOD AFFECTED AREAS.
11. CONTRACTOR TO REMOVE THE APPROXIMATELY 12" OAK TREE LOCATED ADJACENT TO THE VALVE VAULT. CONTRACTOR TO COORDINATE WITH COUNTY INSPECTOR PRIOR TO REMOVAL. THERE ARE TWO TREES IN PROXIMITY TO THE VALVE VAULT. ONLY THE MOST NORTHERN TREE IS PROPOSED FOR COMPLETE REMOVAL, TREE AND ROOT BALL.
12. CONTRACTOR TO REMOVE AND REINSTALL A PORTION OF THE EXISTING FENCE TO FACILITATE THE REMOVAL OF THE EXISTING OAK TREE. EXISTING FENCES DAMAGED DUE TO NEGLIGENCE SHALL BE REPLACED AT THE CONTRACTOR EXPENSE.



NOTES:

1. WATER DISTRIBUTION IS PUBLIC.
2. SEWER COLLECTION IS PUBLIC.
3. LIFT STATION WITHIN FENCED AREA OFF COUNTY ROW.

REVISIONS	
DATE	DESCRIPTION
2/5/26	Revised Construction Notes per Add #1

1022 26th Avenue East, Bradenton, FL 34208

J. SHEA SHOUN, P.E., STATE OF FLORIDA,  
PROFESSIONAL ENGINEER, LICENSE NO. 60923.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
J. SHEA SHOUN, P.E. ON THE DATE INDICATED HERE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
CONSIDERED SIGNED AND SEALED AND THE SIGNATURE  
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT				
PROJECT #	402-5165583	SURVEYED	-	-
SEC./TWN./RGE	33/35/18	DESIGNED	JSS	2/2025
SCALE	SEE PLANS	DRAWN	JSS	2/2025

SATELLITE LIFT STATION R&R  
2026 GROUP 1  
GLENBROOKE, RTU 464 (REHAB)

SHEET NO.
08 of 13