402-0019707

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FLIENTON	PROJECT JL NO.	INFLUENT MH	
ELLENTON	402-5164584	PUBLIC	
N PL., ELLENTON	402-5164583	PRIVATE	(780)
, ELLENTON	402-5164582	PUBLIC	
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L.S. NAME	RTU	ADDRESS	PROJECT JL NO.	INFLUENT MH
TERRA SIESTA 1	527	3307 ANASTASIA PLACE, ELLENTON	402-5164584	PUBLIC
TERRA SIESTA 2*	528	BTWN 8207 & 8209 GRETCHEN PL., ELLENTON	402-5164583	PRIVATE
N6A	538	901 NANCY GAMBLE LANE, ELLENTON	402-5164582	PUBLIC
N1E	561	6100 18TH STREET EAST, ELLENTON	402-5164581	PUBLIC
PORT MANATEE 3	563	805 NORTH DOCK STREET, PALMETTO	402-5164580	PUBLIC

(*) THE GRAVITY SEWER MAIN(S) AND MANHOLE(S) ADJACENT TO THE LIFT STATION IS PRIVATELY OWNED AND MAINTAINED AND CAN NOT BE

UTILIZED FOR BYPASS PUMPING.

ATTENTION.

SLS PORT MANATEE 3 (N1G) REQUIRES TEMPORARY TRANSPORTATION WORKER IDENTIFICATION CREDENTIALS (TWIC) TO ACCESS THE SECURE AREAS OF THE MANATEE PORT. THE TEMPORARY TWIC CARDS MUST BE RENEWED EACH DAY BY STOPPING IN THE MAIN ENTRANCE AND CHECKING IN. THE TWIC PROCESS IS THE SOLE-RESPONSIBILITY OF THE CONTRACTOR AND SHALL BEAR NO COST TO THE COUNTY.

PROJECT DESCRIPTION

REHABILITATE SEWAGE LIFT STATIONS (AND/OR MANHOLES) TO REDUCE RISK TO PUBLIC HEALTH AND ENVIRONMENTAL POLLUTION. THE WORK SHALL CONSIST OF, BUT NOT LIMITED TO, UPGRADE OR FULL REPLACEMENT OF THE ELECTRICAL CONTROL EQUIPMENT, WET WELL CLEANING, THE REPLACEMENT OF DISCHARGE PIPING, FITTINGS, VALVES, SWING CHECK VALVES, GUIDE RAILS, PIPE BRACINGS, BASE ELLS, AND/OR MOUNTING PLATES. WET WELL LINER MAY NEED TO BE INSTALLED, REPAIRED OR REPLACED. SEE INDIVIDUAL PLAN SHEETS FOR SPECIFIC REHABILITATION AND INSTALLATIONS REQUIREMENTS FOR EACH LIFT STATION.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

SARASOTA COUNTY



BID PLANS



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY

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

UTILITY PLANS ENGINEER OF RECORD: J. SHEA SHOUN, P.E., FL LICENSE No: 60923

MANATEE COUNTY PUBLIC WORKS 1022 26th AVENUE EAST BRADENTON, FL 34208

FISCAL YEAR	SHEET NO.
2024	01 of 12

- 1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: PAUL HAAS, P.E. AND CAN BE REACHED AT 941.708.7450 x4966.
- 2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS.
- 3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS, FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND/OR THE FLORIDA BUILDING CODE. ALL WORK ON PRIVATE PROPERTY SHALL BE
- PERFORMED BY A LICENSED PLUMBER REGISTERED IN MANATEE COUNTY, UNLESS OTHERWISE INDICATED ON THE PLANS. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO
- 5. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE
- 6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
- 7. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY
- 8. NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.

- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.
- 10. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
- 11. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
- 12. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

- 13. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
- 14. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
- 15. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
- 16. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.
- 17. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED
- 18. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.
- 19. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
- 20. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.
- 21. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THE PLANS.

AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

- 22. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY/FDOT RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS.
- 23. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS,
- 24. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
- 26. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
- 27. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.
- 28. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.
- 29. ALL EXISTING FACILITIES IN THE PROJECT AREA SHALL REMAIN OPERATIONAL AND ACCESSIBLE BY COUNTY PERSONNEL AT ALL TIMES, I.E. VALVES, MANHOLE COVERS. SEWER CLEAN-OUTS. ETC.
- 30. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED. MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
- 31. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER/RECLAIM/SEWER LINES, STORM DRAINS, OTHER UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE COUNTY. ALL EXISTING AND PROPOSED VALVE COVERS, RIMS, ETC, SHALL BE BROUGHT TO FINAL GRADE OF THE PROJECT AREA.
- 32. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED, OR OFFERED BY AN EXISTING UTILITY, (I.E. FLORIDA POWER AND LIGHT) TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ANY RELATED COSTS.
- 33. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH AND APPROVED BY THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY SHUTDOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND WILL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
- 34. FOR WORK BEING DONE ON EXISTING SANITARY SEWER LINES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE FLOW OF ALL SEWAGE DURING CONSTRUCTION, WHICH MAY REQUIRE BY-PASS PUMPING AND/OR PUMPER TRUCKS. THE CONTRACTOR SHALL SUBMIT A DETAILED BY-PASS PUMPING PLAN PER
- 35. ALL WATER SERVICES TO BE INSTALLED OR MODIFIED ON PRIVATE PROPERTY SHALL REQUIRE A PLUMBING PERMIT;
- A. THE CONTRACTOR'S PLUMBER SHALL INSTALL A REDUCED PRESSURE (RP) TYPE BACKFLOW PREVENTION ASSEMBLIES (BPA'S) EQUIPPED WITH A PRESSURE RELIEF VALVE AT THE POTABLE WATER METER WHENEVER ANY OF THE FOLLOWING CONDITIONS EXIST AT A PROPERTY:

1022 26th Avenue East, Bradenton, FL 34208

- •IN-GROUND IRRIGATION SYSTEM OR UNDERGROUND SPRINKLERS,
- SECONDARY SOURCE OF WATER (I.E. RECLAIMED WATER OR WELL), •PROPERTY THAT ABUTS A BODY OF WATER, INCLUDING RIVER, BAY, LAKE OR POND ON THE PROPERTY OR BORDERING THE PROPERTY,
- •FLOOD ZONE DESIGNATION, (IF ONLY FLOOD ZONE, INSTALL A DOUBLE CHECK BPA),
- SOLAR WATER HEATING SYSTEM, • COMMERCIAL, INDUSTRIAL, MULTISTORY OR MULTIFAMILY RESIDENTIAL FACILITY,
- CROSS CONNECTION IS FOUND,
- FOUNTAIN WITH A DEDICATED FILL PIPE, •FIRE SPRINKLER SYSTEM.

DATE

REVISIONSDESCRIPTION

- 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.
- PUBLIC WORKS DEPARTMENT
- 402-0019707 | SURVEYED PROJECT # SEC./TWN./RGE *VARIES* DESIGNED JSS 4/2024 SCALE *SEE PLANS* DRAWN JSS

MANATEE COUNTY

- 69. MOTORIZED AND MECHANICAL EQUIPMENT SHALL BE EFFECTIVELY SHIELDED, PADDED, OR LOCATED TO MINIMIZE NOISE.
- 70. THE CONTRACTOR WILL NOTIFY ALL EMERGENCY AND RESCUE AGENCIES LOCATED IN THE PROJECT VICINITY 24 HOURS IN ADVANCE OF ANY PROPOSED LANE CLOSURES OR DETOURS.
- 71. ACCESS TO ALL SIDE STREETS AND DRIVEWAYS MUST BE PROVIDED AND MAINTAINED DURING CONSTRUCTION
- 72. USE FDOT INDEX NO. 619 FOR TRAFFIC CONTROL MEASURES WHEN CONSTRUCTION EQUIPMENT IS DRIVEN ON OPEN TRAVEL LANES. THE REGULATORY SPEED IN WORK ZONES SHOULD BE AS CLOSE TO NORMAL CONDITIONS AS POSSIBLE, UNLESS NOTED ON THE TRAFFIC CONTROL PLANS.
- 73. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO WORKING NEAR THEIR EXISTING FACILITIES. 74. CONSTRUCTION SEQUENCES SHALL BE COORDINATED TO PROVIDE POSITIVE DRAINAGE OF THE TRAVELWAYS AT ALL TIMES.
- 75. ANY MOT ITEM NOT SPECIFICALLY LISTED UNDER A PARTICULAR PAY ITEM SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS. THERE SHALL BE NO SEPARATE PAYMENT.
- 76. THE MAXIMUM SPACING BETWEEN WARNING DEVICES USED FOR DELINEATION BETWEEN THE TRAVELWAY(S) AND CONSTRUCTION AREA SHALL BE AS PER FDOT STANDARD INDEX 600.
- 77. ALL DETOURS, IF APPROVED BY THE COUNTY, SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D. LATEST EDITION) AND THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION (600 SERIES). ANY DETOUR RECOMMENDED BY THE 35. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN CONTRACTOR MUST BE SUBMITTED TO THE COUNTY (AND FDOT) FOR APPROVAL AT LEAST FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COUNTY (AND FDOT) APPROVAL PRIOR TO IMPLEMENTATION AND FAILURE TO OBTAIN APPROVAL SHALL NOT BE GROUNDS FOR ANY DELAY CLAIM FOR TIME OR ADDITIONAL COMPENSATION.

78. INSTALL A FIBER OPTIC ROUTE MARKER AT THE PROPOSED PULL BOX AND RESTORE THE FIBER OPTIC LOCATION SYSTEM (I.E., ROUTE MARKERS AND TRACER

79. ALL MATERIAL REMOVED SHALL BE REPLACED WITH LIKE KIND TYPE AND SPECIFICATION.

- 80. NEW ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) INFRASTRUCTURE SHOULD BE PLACED WHILE LEAVING EXISTING ATMS INFRASTRUCTURE IN PLACE AND INTACT AS LONG AS FEASIBLE TO LIMIT THE DURATION OF SYSTEM DOWN TIME.
- 81. THE DEVELOPER WILL NEED TO HIRE A CERTIFIED CONTRACTOR THAT IS LICENSED TO PERFORM THIS WORK TO RELOCATE THE ATMS INFRASTRUCTURE AT THEIR
- 82. AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MUKUNDA GOPALAKRISHNA, P.E., PTOE OF THE MANATEE COUNTY TRAFFIC ENGINEERING DIVISION AT (941) 749-3500, EXT. 7813 TO INFORM HIM OF CONSTRUCTION OPERATIONS.
- 83. THE CONTRACTOR MUST PROVIDE A SPLICE DIAGRAM FOR THE PROPOSED SPLICE ENCLOSURE AT THIS TIME
- 84. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (811) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
- 85. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RIGHT-OF-WAY USE PERMITS WITH MATT MERUCCI, MANATEE COUNTY PUBLIC WORKS INFRASTRUCTURE INSPECTION OFFICER, AT (941) 708-7450, EXT. 7342.
- 86. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BOND REQUIREMENTS WITH BRANDY WILKINS, MANATEE COUNTY PUBLIC WORKS SENIOR ADMINISTRATIVE SPECIALIST, AT (941) 708-7450, EXT. 7215.
- 87. DELIVER THREE HARD-COPY SETS OF AS-BUILT RECORDS DRAWINGS THAT ARE SIGNED AND SEALED BY THE ENGINEER OF RECORD, AND ONE COMPACT DISC OF RECORD DRAWINGS IN ADOBE ACROBAT (.PDF) AND AUTOCAD (.DWG) FORMAT TO THE MANATEE COUNTY TRAFFIC ENGINEERING DIVISION (ATTN: MR. MUKUNDA GOPALAKRISHNA, P.E., PTOE) AT 2101 47TH TERRACE EAST BRADENTON, FL 34203. RECORD DRAWINGS MUST BE DELIVERED TO THE COUNTY AT LEAST TWO (2) BUSINESS DAYS PRIOR TO SCHEDULING THE FINAL INSPECTION.
- 88. UPON PASSING THE FINAL INSPECTION, THE CONTRACTOR SHALL SEND A WRITTEN REQUEST TO THE MANATEE COUNTY TRAFFIC OPERATIONS DIVISION, 2904 12TH STREET COURT EAST, BRADENTON, FLORIDA 34208 (ATTN: MR. AARON BURKETT) REQUESTING TO TRANSFER MAINTENANCE FROM THE CONTRACTOR TO MANATEE COUNTY. MANATEE COUNTY WILL RESPOND WITHIN 5 WORKING DAYS TO ESTABLISH A TIMETABLE FOR THE TRANSFER OF MAINTENANCE RESPONSIBILITY.

LEGEND **EXISTING**

BENCH MARK ABBREVIATIONS CONCRETE MONUMENT TREE IRON PIPE OAK TREE R/W RIGHT OF WAY IRON ROD PALM TREE CONC CONCRETE ASPH ASPHALT HUB DRIVEWAY DRWY ELEVATION SIDEWALK PARCEL ID NO. EDGE OF PAVEMENT PARCEL ID NO EDGE OF VEGETATION BACK OF CURB LOT NO. - CHAIN LINK FENCE ✓✓✓ FLOW ARROW GUY WIRE - WOOD FENCE POWER POLE BARBED WIRE FENCE LIGHT POLE -----FM ------FORCE MAIN PW POTABLE WATER SIGN -----RCW-RECLAIMED WATER REF 9 REFLECTOR ----- SS ----- SANITARY SEWER SPRINKLER ----s----storm drain © GAS MARKER ----- GAS LINE → BACKFLOW PREVENTER BLOW OFF VALVE ----- CHR ------ UNDERGROUND CHARTER FH 💬 FIRE HYDRANT ------OE ------- OVERHEAD ELECTRIC ₩ WATER VALVE BE UNDERGROUND ELECTRIC AIR RELEASE VALVE ----- OH FTR ----- OVERHEAD FRONTIER ----- FTR ------ UNDERGROUND FRONTIEF WATER METER

------ OH------- OVERHEAD UTILITY

---- TOE OF SLOPE

------PROPERTY LINE

STORM SEWER MANHOLE -----RIGHT OF WAY

TOP OF BANK

+++++++++++++ RAIL ROAD TRACKS

EMERGENCY CONTACTS

--- EDGE OF ROAD

MANATEE COUNTY PUBLIC WORKS DEPT. UTILITY ENGINEERING ERIC SHROYER, P.E. 1022 26TH AVENUE EAST BRADENTON, FL. 34208 (941) 708-7450 EXT. 7344

GI **Ⅲ**

SB#1 ♦ SOIL BORING LOCATION

UTILITY BOX

GRATE INLET

UTILITY RISER

FLOW DIRECTION

TELEPHONE SERVICE BOX

MITERED END SECTION

77

TECO/PEOPLES GAS CO. ALEX McFARLANE 8261 VICO COURT SARASOTA, FL. 34240 (813) 275-3762 ÈMERGENCY: 1-877-832-6911

JOHN PLOTT 1701 RINGLING BLVD. SARASOTA, FL. 34236 (941) 906-6707 JOHN.PLOTT@FTR.COM

(941) 927-4262 EMERGENCY: 1-800-4-OUTAGE TODD.BOLKEMA@FPL.COM MANATEE COUNTY HEALTH DEPT. HANS ROESE 410 6TH AVENUE EAST BRADENTON, FL. 34208

FLORIDA POWER & LIGHT

1253 12TH AVENUE EAST

PALMETTO, FL 34221

TODD BOLKEMA

(941) 748-0747 EXT. 1355 SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SARASOTA SERVICE OFFICE STEVE LOPES, P.E. 6750 FRUITVILLE ROAD SARASOTA, FL. 34240 (941) 377-3722

2025 GROUP 1

TAMPA FL 33634 PHONE: (813) 466-3327 E-MAIL: CHAD.HARRELL@SUG.COM FDEP, SOUTHWEST DISTRICT ED WATSON 13051 N. TELECOM PKWY TEMPLE TERRACE, FL 33637

FLORIDA GAS TRANSMISSION

JOHN LUDLOW

7804 ANDERSON RD.

(813) 470-5875 CHARTER COMMUNICATIONS TOM WRIGHT 5413 E. STATE ROAD 64 BRADENTON, FL. 34208-5535 (941) 748-3816 EXT. 21348 TOM.WRIGHT@CHARTER.COM

SUNSHINE STATE ONE CALL OF FLORIDA 1-(800) 432-4770

(863) 767-4660 KENDELL.COKER@PRECO.COOP MANATEE COUNTY PUBLIC WORKS DEPT./TRAFFIC ENGINEERING/ ATMS 2101 47TH TERRACE EAST BRADENTON, FL 34203

VISHAL KAKKAD, P.E.

(941) 749-3500 EXT. 7812

PEACE RIVER ELECTRIC

WACHULA, FL 33873

COOPERATIVE, INC.

P.O. BOX 1310

KENDELL COKER

VISHAL.KAKKAD@MYMANATEE.ORG. CITY OF BRADENTON PUBLIC WORKS 1411 9TH ST. W.

BRADENTON, FL 34205 JIM MCLELLAN JIM.MCLELLAN@CITYOFBRADENTON.COM PHONE: (941) 708-6300

SATELLITE LIFT STATION R&R GENERAL NOTES & LEGEND

02 of 12

SHEET

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:05 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG

B. A LICENSED PLUMBER SHALL INSTALL THE BPA'S IN ACCORDANCE WITH THE CURRENT FLORIDA PLUMBING CODE AND MANATEE COUNTY CODE OF ORDINANCES,

EXCESSIVE LEAKAGE DUE TO SYSTEM SUPPLY PRESSURE. A PRESSURE REDUCING VALVE MAY BE NECESSARY UPSTREAM OF THE PRESSURE RELIEF VALVE.

WHERE NORMAL SUPPLY PRESSURE EXCEEDS 80 PSI. CONTRACTOR SHALL COORDINATE WITH COUNTY CROSS CONNECTION CONTROL STAFF AS REQUIRED.

C. IF IN-GROUND IRRIGATION SYSTEM IS CONNECTED TO THE POTABLE WATER LINE, AN ADDITIONAL REDUCED PRESSURE (RP) BPA SHALL BE INSTALLED AT THE

F. CONTRACTOR SHALL COORDINATE WITH COUNTY CROSS CONNECTION STAFF & PRIVATE PROPERTY OWNER AS REQUIRED. CROSS CONNECTION STAFF SHALL

34. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE. ALL RESTORATION

36. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE OPERATION OF THE PIPELINE SHALL BE REMOVED AND DISPOSED

38. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE MANATEE COUNTY PUBLIC WORKS STANDARDS PART 3. HIGHWAY & TRAFFIC STANDARDS MANUAL DATED JUNE 2015, SECTION 3.7 DRIVEWAYS AND SECTION 3.8 SIDEWALKS AND/OR

39. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS

40. ALL EXISTING SIGNING, THERMOPLASTIC PAVEMENT MARKINGS, ETC... SHALL BE RESTORED/PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MUTCD,

THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN AND THE F.D.O.T. DESIGN STANDARDS. CONCRETE WITH A 3,000 PSI @ 28 DAYS SHALL BE USED.

WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY—ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING. LIME

FDOT DESIGN STANDARDS AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY, TRAFFIC AND STORMWATER STANDARDS, AND/OR AS DIRECTED BY THE

41. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST. RESTORATION EFFORTS SHALL BE INCLUDED IN THE PROJECT SCHEDULING

42. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS

FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO

43. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEPT DAILY AS

45. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL COORDINATE WITH THE

47. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH

50. ALL PIPE AND FITTINGS SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND ALL PIPE JOINTS SHALL BE RESTRAINED WHERE REQUIRED.

55. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS.

48. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES

51. ALL FITTINGS FOR PRESSURE CLASS-RATED PIPE SHALL BE RESTRAINED DUCTILE IRON. RESTRAINED LENGTHS OF PIPE SHALL ADHERE TO THE REQUIREMENTS AS

52. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S MAXIMUM

53. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR FITTINGS.

54. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF

56. ALL PENETRATIONS OF EXISTING STRUCTURES SHALL BE BY MECHANICAL ROTARY CORE DRILLING METHOD. ALL CONCRETE PENETRATED OR DISTURBED SHALL BE

INFORMATIONAL SIGNS IN THE NEIGHBORHOOD AT LEAST TWO DAYS (48 HRS) PRIOR TO THE WATER SHUT-OFF. REFERENCE SECTION 01580, PARAGRAPH 1.03

OF THE SPECIFICATIONS. WHEN FEASIBLE, "DOOR HANGERS" SHALL BE DELIVERED TO AFFECTED RESIDENCES AT LEAST TWO DAYS (48 HRS) PRIOR TO WATER

SHUT-OFF. FOR LARGE PROJECTS WITH HUNDREDS OF HOMES AFFECTED, THE CONTRACTOR SHALL ALSO MAKE EXTENSIVE USE OF THE MEDIA AND SHALL HAVE

TRIBUNE, WBRD RADIO, EMERGENCY COMMUNITY CENTERS, INSPECTIONS, WATER TREATMENT PLANT, WATER MANAGER, HELPLINE, CUSTOMER SERVICE, AND THE

59. ALL TEST POINT PIPING SHALL BE CUT LOOSE FROM THE CORPORATION STOP AND COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FINAL

60. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS, FORCE MAINS, AND RECLAIMED WATER LINES SHALL BE LAID PER CURRENT EDITION OF "10 STATE

61. FIELD CONDITIONS MAY NECESSITATE MINOR ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER.

62. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS IN ACCORDANCE WITH SECTION 1.15 AND/OR 1.16 IN THE CURRENT MANATEE COUNTY UTILITY STANDARDS AT NO

63. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS OF THE WORK AS CONSTRUCTED. AS-BUILT DRAWINGS SHALL INCLUDE THE LOCATION OF ABANDONED MAINS

OF ALL NEW PIPELINE, FITTINGS, VALVES AND APPURTENANCES REFERENCED TO FIXED SURFACE FEATURES THAT ARE SHOWN ON THE CONSTRUCTION DRAWINGS

AND/OR RIGHT-OF-WAY LINES, PROPERTY CORNERS OR OTHER SURVEYED POINTS. THE CONTRACTOR SHALL BE ABLE TO PRESENT THE RECORD DRAWINGS TO

65. THE CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROL PLAN (TCP) IMPLEMENTED. THE TCP SHALL BE PREPARED BY AN INDIVIDUAL CERTIFIED TO PREPARE

FDOT) APPROVAL PRIOR TO IMPLEMENTATION AND FAILURE TO OBTAIN APPROVAL SHALL NOT BE GROUNDS FOR ANY DELAY CLAIM FOR TIME OR ADDITIONAL

66. THE CONTRACTOR PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC. MUST OBTAIN A RIGHT—OF—WAY USE PERMIT AND A TRAFFIC CONTROL PLAN (TCP).

THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND

67. MAINTENANCE OF TRAFFIC MUST MEET THE FDOT 102-600 SERIES STANDARDS AT ALL TIMES. FULL CLOSURES SHALL BE AVOIDED. FULL CLOSURES WITH

68. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE TEMPORARY DRAINAGE. THERE WILL BE NO DIRECT PAY FOR THIS WORK. COSTS SHALL BE INCLUDED IN THE

DETOURS MAY BE CONSIDERED (AND ARE NOT GUARANTEED) WITH THREE-WEEK ADVANCE NOTICE AND MUST HAVE PRIOR COUNTY APPROVAL BEFORE

TRAFFIC CONTROL AND SAFE PRACTICES". A TCP SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

A TCP IN THE STATE OF FLORIDA THAT MEETS OR EXCEEDS THE REQUIREMENTS OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS LATEST EDITION (SERIES

600). ANY DEVIATIONS MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND SUBMITTED TO COUNTY (AND

FDOT) FOR APPROVAL AT LEAST FOURTEEN (14) DAYS PRIOR TO THE START OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COUNTY (AND

PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF

MANAGER AND/OR FIELD INSPECTOR FOR REVIEW ON AN ONGOING BASIS. AS-BUILT DRAWINGS SHALL PROVIDE THE HORIZONTAL AND VERTICAL INSTALLED LOCATION

THE COUNTY PROJECT MANAGER AND/OR INSPECTOR ON DEMAND AS THE WORK PROGRESSES. SEE SECTION 01720 FOR FURTHER DETAILED REQUIREMENTS OF THE

INFORMATION REQUIREMENTS IN SECTION 1.15 AND/OR 1.16 SHALL BE STRICTLY ENFORCED. A COPY OF SECTION 1.15 AND 1.16 CAN BE PROVIDED UPON

CUT AND PLUG POINTS, AS-BUILT DRAWINGS SHALL BE ANNOTATED EACH DAY AS THE WORK PROCEEDS AND SHALL BE AVAILABLE TO THE COUNTY PROJECT

COST TO THE OWNER. RECORD DRAWINGS SHALL BE SIGNED & SEALED BY A SURVEYOR CURRENTLY LICENSED BY THE STATE OF FLORIDA. ALL RECORD DRAWING

58. ALL NEW PIPE LINES SHALL BE PIG CLEANED (4" AND LARGER), FLUSHED, PRESSURE TESTED, DISINFECTED AND CERTIFIED PRIOR TO TIE—INS TO EXISTING

PRIOR CONTACT WITH HOMEOWNER'S ASSOCIATIONS. WRITTEN NOTIFICATIONS SHALL ALSO BE FAXED TO THE TAMPA TRIBUNE, BRADENTON HERALD, SARASOTA HERALD

57. THE CONTRACTOR, PRIOR TO ANY TEMPORARY WATER SHUT-OFFS DURING WATER MAIN TIE-IN, ETC., SHALL NOTIFY THE AFFECTED RESIDENTS BY POSTING

44. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.

AND GRADES SHOWN ON THE PLANS AND PROFILES. MODIFICATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD.

FACILITIES. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY PLUGS FOR PIG CLEANING AND PRESSURE TESTING.

ACCEPTANCE. A CORPORATION STOP BRASS PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE.

37. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513 OF THE INFRASTRUCTURE ENGINEERING STANDARD SPECIFICATION.

D. ALL BPA SHALL BE INSTALLED 4-5 FEET FROM THE EDGE OF DRIVEWAYS OR ANY OTHER ITEMS/FEATURES THE BPA MAY CREATE AN OBSTRUCTION.

POINT OF CONNECTION.

E. VACUUM BREAKERS SHALL BE INSTALLED ON ALL EXTERNAL HOSE BIBBS.

RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.

ROCK BASE SHALL COME FROM AN APPROVED FDOT PIT.

AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.

PROPERTY OWNER PRIOR TO CONSTRUCTION ACTIVITIES.

PART OF DAILY CLEAN UP.

SHOWN ON THE DETAIL SHEETS.

ALLOWABLE RECOMMENDED DEFLECTION.

COATED WITH TWO COATS OF EPOXY.

MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT.

DAILY RECORD DRAWING DOCUMENTATION.

LEVEL "D" -EXISTING RECORDS OR GIS

LEVEL "C" -SURFACE VISIBLE FEATURES SURVEY

EXISTING UTILITY LOCATIONS

MAINTENANCE OF TRAFFIC

COST OF PIPE.

AND PHASING PLAN TO DEMONSTRATE HOW THE RESTORATION WILL BE ACHIEVED.

49. ALL PIPE SHALL BE COLOR CODED TO CONFORM TO MANATEE COUNTY STANDARDS.

46. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA.

PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.

STANDARDS" AND MANATEE COUNTY UTILITY STANDARDS UNLESS NOTED OTHERWISE ON THE PLANS.

64. THE FOLLOWING IDENTIFIES THE QUALITY LEVEL OF EXISTING UTILITY LINEWORK ON PLANS.

LEVEL "A" -VISUALLY LOCATED OR SOFT DIGS (HORIZONTAL AND VERTICAL)

REFERENCE 2010 EDITION OF FDOT UTILITY ACCOMMODATION MANUAL (UAM)

LEVEL "B" -DESIGNATED BY GPR OR FLAGGING (HORIZONTAL)

DETERMINE WHICH PROPERTIES REQUIRE A BPA AND TYPE OF BPA TO BE INSTALLED.

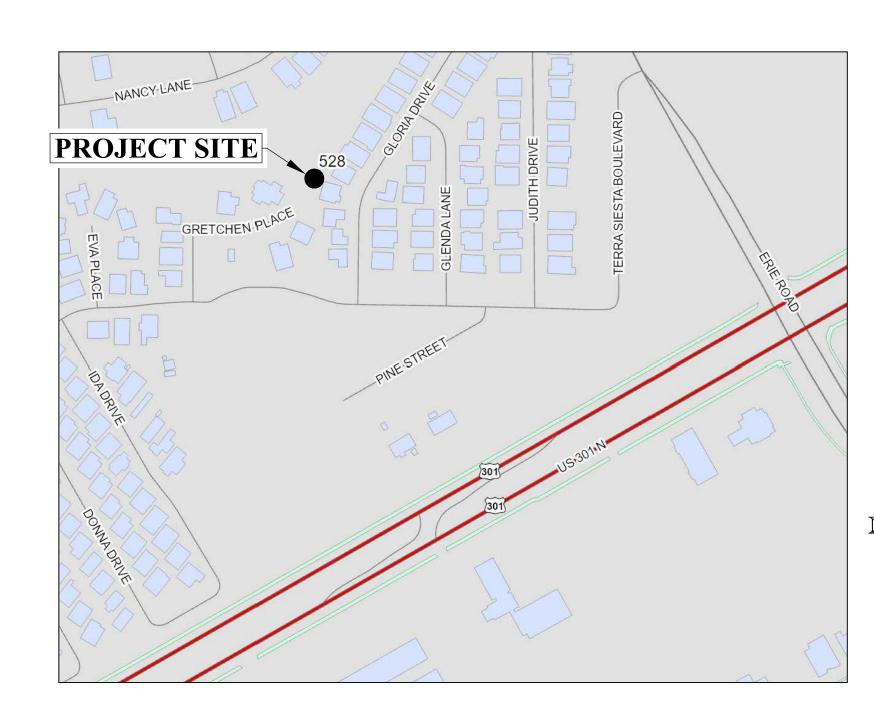
LIMITS ARE APPROXIMATE AND SUBJECT TO THE DIRECTION OF THE COUNTY FIELD REPRESENTATIVE.

OF BY THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, AT NO ADDITIONAL COST TO THE OWNER.

AND SHALL SELECT A PRESSURE RELIEF VALVE WITH AN APPROPRIATE PRESSURE SET POINT TO PROTECT THE CUSTOMERS' PLUMBING AND NOT ALLOW

4/2024

TERRA SIESTA 1, RTU 527,
3307 ANASTASIA PL., ELLENTON
LAT N: 27.540050°
LONG W: -82.485990°

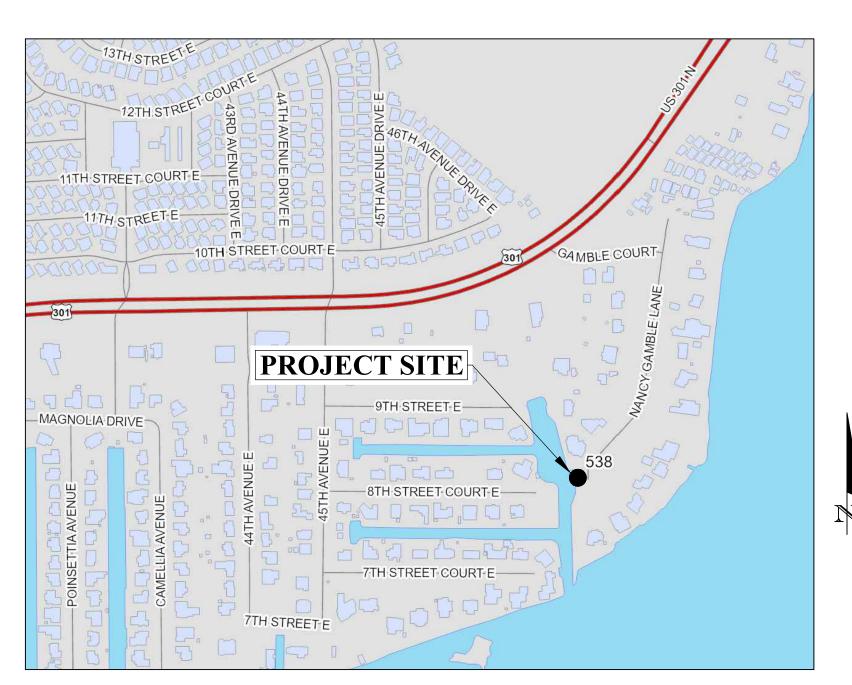


TERRA SIESTA 2, RTU 528,

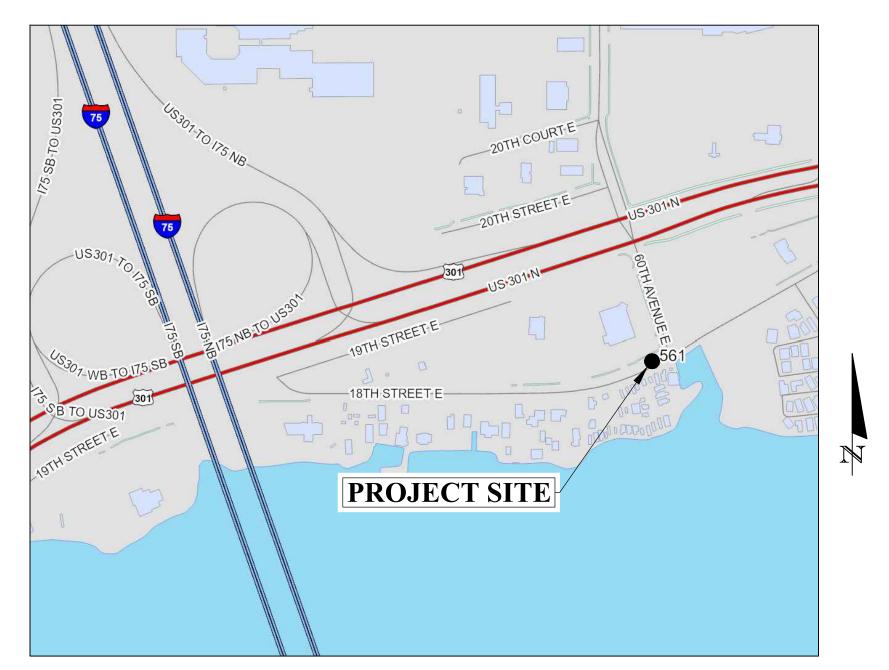
BETWEEN 8207 & 8209 GRETCHEN PL., ELLENTON

LAT N: 27.543608°

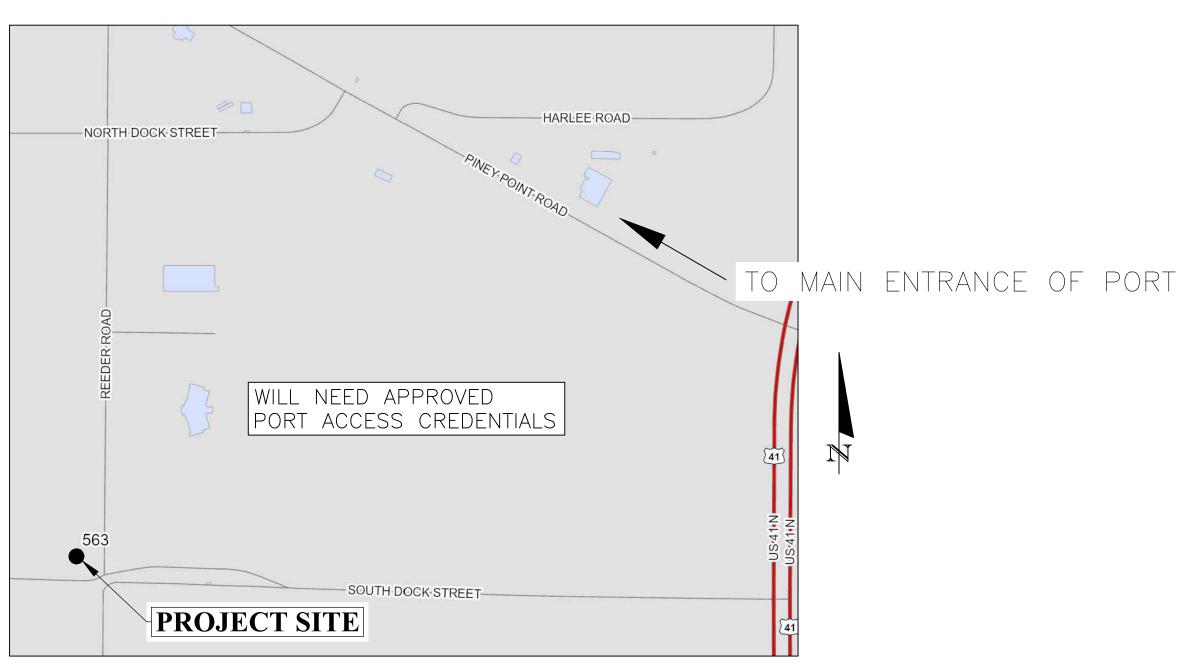
LONG W: -82.480738°



N6A, RTU 538,
901 NANCY GAMBLE LN., ELLENTON
LAT N: 27.520043°
LONG W: -82.515582°



N1E, RTU 561, 6100 18TH ST E., ELLENTON LAT N: 27.529784° LONG W: -82.502519°



PORT MANATEE 3, RTU 563, 805 NORTH DOCK ST., PALMETTO LAT N: 27.631367° LONG W: -82.548502°

NOTE(S):

- 1. LIFT STATION SITE VISITS MAY BE COORDINATED WITH ERIK GIBSON, 941-792-8811 x5377.
- 2. DATA ON THE COUNTY'S UTILITY INFRASTRUCTURE MAY BE RESEARCHED AND VIEWED BY UTILIZING THE PUBLIC ACCESS TO THE COUNTY'S GIS SYSTEM. USE AN INTERNET BROWSER AND ENTER THE FOLLOWING URL, "https://www.mymanatee.org/gisapps/mobile/index.html?type=utilities-public".

DATE

DESCRIPTION

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.

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 # 402-0019707 SURVEYED					
SEC./TWN./RGE	VARIES	DESIGNED	JSS	4/2024	
SCALE	SEE PLANS	DRAWN	JSS	4/2024	
	PROJECT # SEC./TWN./RGE	PUBLIC WORKS PROJECT # 402-0019707 SEC./TWN./RGE VARIES	PUBLIC WORKS DEPAR PROJECT # 402-0019707 SURVEYED SEC./TWN./RGE VARIES DESIGNED	PUBLIC WORKS DEPARTMENT PROJECT # 402-0019707 SURVEYED - SEC./TWN./RGE VARIES DESIGNED JSS	PUBLIC WORKS DEPARTMENT PROJECT # 402-0019707 SURVEYED SEC./TWN./RGE VARIES DESIGNED JSS 4/2024

SATELLITE LIFT STATION R&R
2025 GROUP 1
VICINITY MAPS

03 of 12

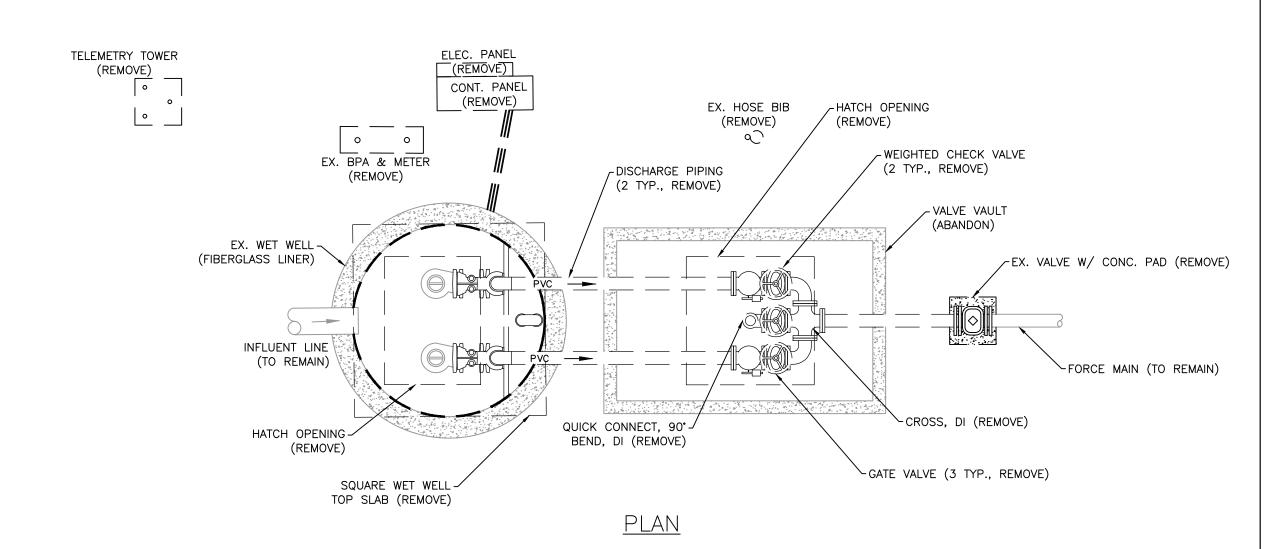
Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:06 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG

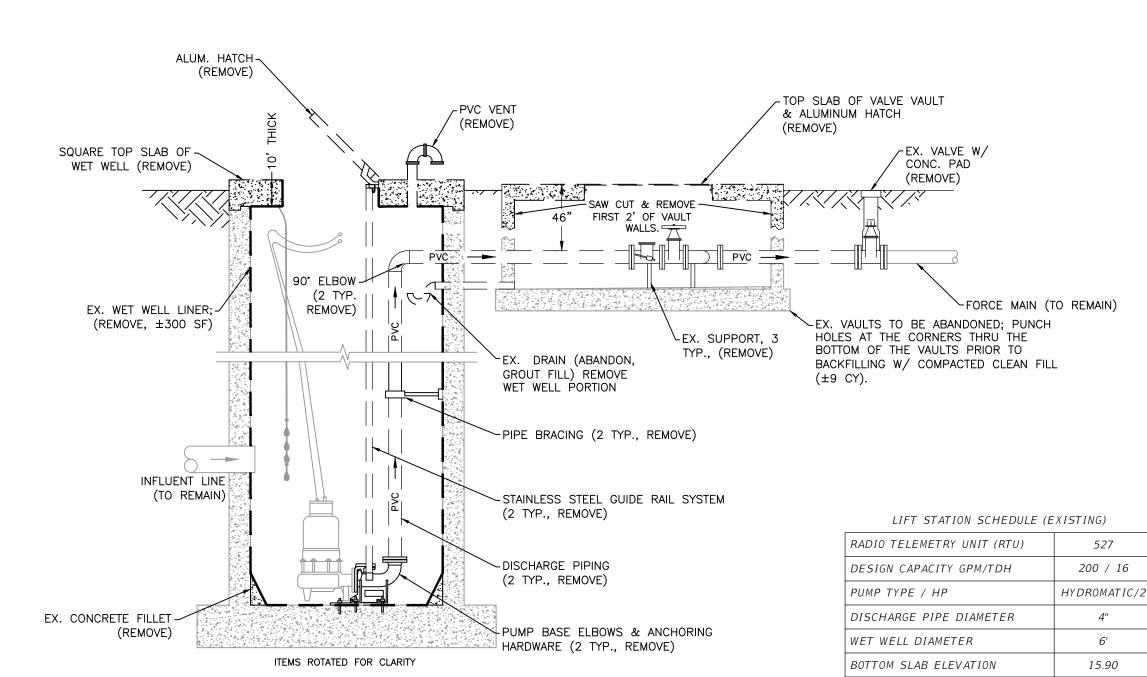
SHEET

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.

. 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.
- . 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
- 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.





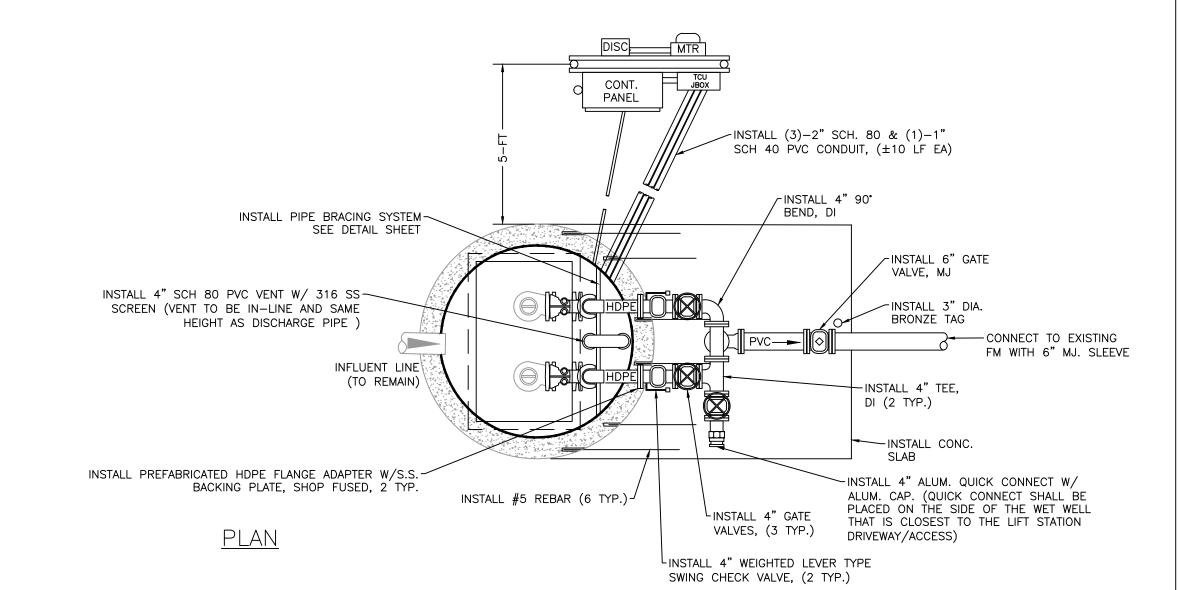
ELEVATION EX. 2 PUMP LIFT STATION

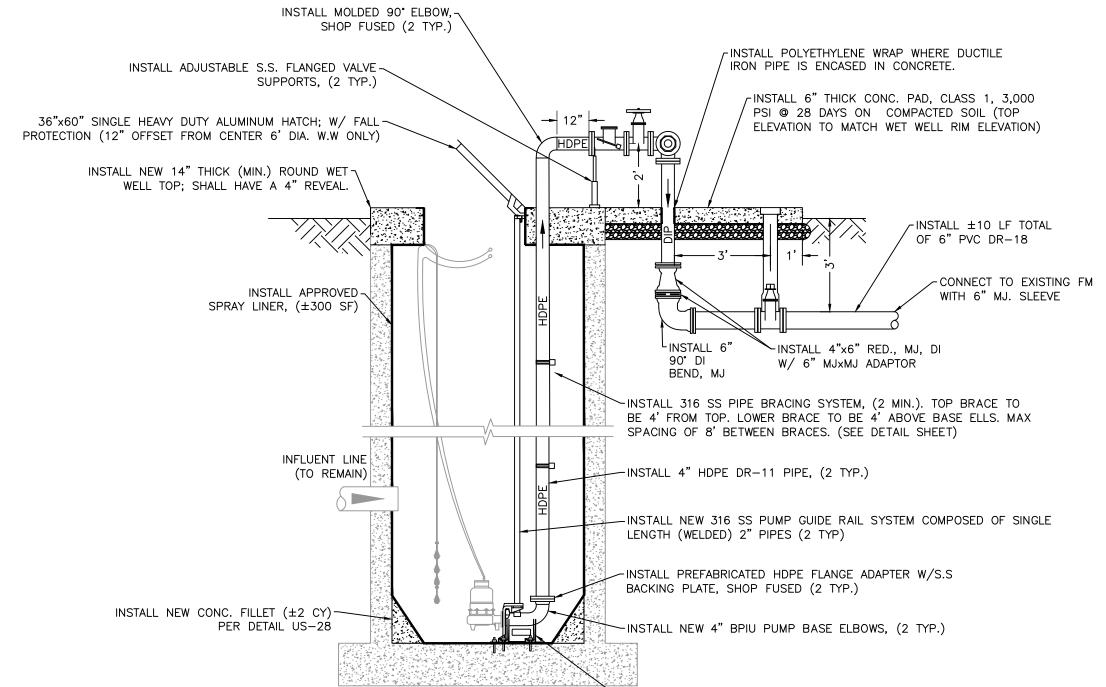
PROPOSED

GENERAL NOTES:

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

- THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL BE NOT MORE THAT 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". EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE CONC. 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.





LIFT STATION SCHEDULE (PROPOSED)

211 / 317111111 33112322 (//10/03	
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 TOP ELEVATION OF WET WELL (LOWER/RAISE)	NO
MODIFY TOP ELEVATION OF VALVE VAULT (LOWER/RAISE)	NA
INSTALL WET WELL VENT PIPE	YES
INSTALL NEW WATER SERVICE ASSEMBLY	YES
RELOCATE EX. WATER SERVICE ASSEMBLY	NO

ELEVATION EX. 2 PUMP LIFT STATION

ITEMS MAY BE ROTATED FOR

WATER DISTRIBUTION IS PRIVATE SEWER COLLECTION IS PUBLIC. LIFT STATION WITHIN COUNTY ROW.

CONSTRUCTION NOTES:

IN PLACE AND USED. (±100 LF).

ENCLOSURES/COMPONENTS.

THE CONTRACTOR.

AND/OR LINER REPAIR.

PERSONNEL, $(\pm 10 \text{ LF})$.

DITCHES. MAXIMUM OF 1% SLOPE.

CALCULATIONS" SHALL BE PROVIDED.

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 I

GREATER), THEN THE EXISTING ELECTRICAL CONDUIT CAN BE LEFT

REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK),

METER CAN, AND A SAFETY SWITCH (DISCONNECT). ALL REMAINING

EXISTING ELECTRICAL EQUIPMENT CONNECTED TO THE EXISTING

THE NEW ELECTRICAL STRUCTURE SHALL BE FIELD LOCATED WITH

MANATEE COUNTY PERSONNEL. CONTRACTOR RESPONSIBLE FOR

VERIFYING SIZE OF RACK TO HOLD ALL PROPOSED ELECTRICAL

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. 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

SEPARATE THE TELEMETRY TOWER FROM CONCRETE BASE AND SET

DISPOSE OF CONCRETE BASE AND ALL GROUNDING ROD(S) CONTRACTOR SHALL INSTALL NEW CONCRETE BASE, TELEMETRY

TOWER BASE, ALL CONDUIT, ETC. CONTRACTOR SHALL COORDINATE

WITH COUNTY PERSONNEL. ANTENNA LOCATION SHALL BE

DETERMINED IN THE FIELD WITH COUNTY PERSONNEL. THE

TELEMETRY TOWER BASE SHALL BE SUPPLIED BY THE COUNTY TO

INSTALL #5 REBAR (6 TYP.) EPOXY EMBEDDED INTO THE WET

WELL TOP 3-4 INCHES DEÉP AND CAST 3-4 FEET INTO THE

VALVE ASSEMBLY CONCRETE PAD TO ENSURE THE TOPS OF THE

WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY

PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER

INSTALL A NEW STANDARD METER/BPA ASSEMBLY; AND

3/4-INCH HOSE BIBB ASSEMBLY PER COUNTY STANDARDS. ALL

ITEMS SHALL BE FIELD LOCATE WITH MANATEE COUNTY

REGRADE SITE TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING

WET WELL AND VALVE ASSEMBLY PAD WILL REMAIN FLUSH.

TO SIDE OF LIFT STATION SITE. CONTRACTOR SHALL REMOVE AND

CONTROL PANEL SHALL BE RE-ESTABLISHED TO THE NEW PANEL.

CONTROL PANEL, TCU ENCLOSURE, JUNCTION BOX ENCLOSURE,

REVISIONSDATEDESCRIPTION 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.

28.82

28.82

23.43

10" PVC

6" PVC

240 / 3

100

FΜ

TOP ELEVATION

VALVE VAULT ELEVATION

INFLUENT PIPE SIZE

FORCE MAIN DIAMETER

WET WELL VENT PIPE

ELECT. POWER, VOLTS / PH

ELECT. SERVICE SIZE, AMPS

EX. FORCE MAIN TIE-IN

FLOODPLAIN INFORMATION

* INFORMATION TAKEN FROM LIFT STATION DATA

FILE (LSINFO.XLS 2023) & RECORD DRAWINGS.

DATUM OF ELEVATIONS IS UNKNOWN.

INFLUENT INVERT ELEVATION

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MANATEE COUNTY PUBLIC WORKS DEPARTMENT PROJECT # 402-5164584 | SURVEYED 10/35/18 JSS 4/2024 SEC./TWN./RGE DESIGNED SEE PLANS | DRAWN 4/2024 SCALE

SATELLITE LIFT STATION R&R 2025 GROUP 1 TERRA SIESTA 1, RTU 527

SHEET 04 of 12

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:10 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG

INSTALL NEW 4" BASE ELBOW MOUNTING PLATES AND ANCHOR BOLTS;

MAY REQUIRE GRINDING OR LEVELING OF BASE GROUT (SEE BASE ELL

MOUNTING PLATE DETAIL ON DETAIL SHEET) (2 TYP)

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.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.

THE CONTRACTOR SHALL DETERMINE THE DISCHARGE PIPING ELEVATIONS DURING THE SITE VISITS.

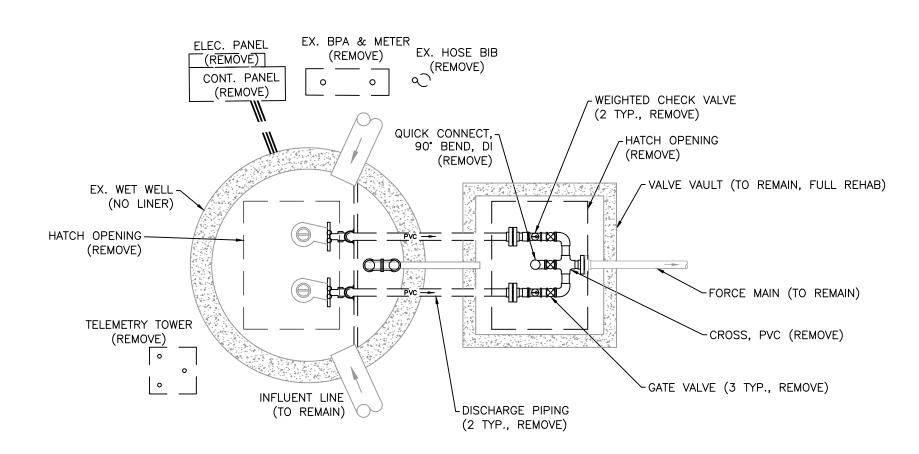
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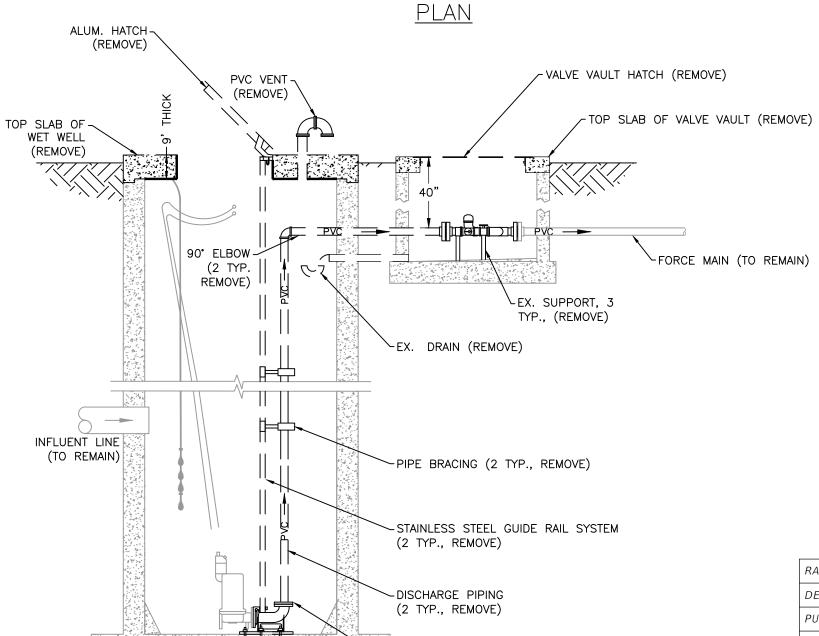
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THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ANY DAMAGED LANDSCAPING TO EXISTING OR DESIGN CONDITIONS.

THE WORK AREA IS LIMITED TO THE LIFT STATION SITE.





ELEVATION EX. 2 PUMP LIFT STATION

ITEMS ROTATED FOR CLARITY

LIFT STATION SCHEDULE (EXISTING)

RADIO TELEMETRY UNIT (RTU)	528		
DESIGN CAPACITY GPM/TDH	45 / 60		
PUMP TYPE / HP	HYDROMATIC/3		
DISCHARGE PIPE DIAMETER	2"		
WET WELL DIAMETER	6'		
BOTTOM SLAB ELEVATION	8.53		
TOP ELEVATION	25.24		
VALVE VAULT ELEVATION	25.24		
INFLUENT INVERT ELEVATION	15.46		
INFLUENT PIPE SIZE	(2) - 8", PVC		
FORCE MAIN DIAMETER	2"		
WET WELL VENT PIPE	PVC		
ELECT. POWER, VOLTS / PH	240 / 1		
ELECT. SERVICE SIZE, AMPS	100		
EX. FORCE MAIN TIE-IN	MH		
FLOODPLAIN INFORMATION	X		
* INFORMATION TAKEN FROM LIFT STATION DATA FILE (LSINFO.XLS 2023) & RECORD DRAWINGS. DATUM OF ELEVATIONS IS UNKNOWN.			

PROPOSED

GENERAL NOTES:

CONTRACTOR SHALL NOT BACKFILL OVER DISCHARGE PIPING UNTIL INSPECTOR HAS VISUALLY CHECKED IT FOR LEAKS DURING PUMP STARTUP OR PRESSURE TEST AS DIRECTED BY THE COUNTY. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS. ALL HORIZONTAL AND VERTICAL DISTANCES AND

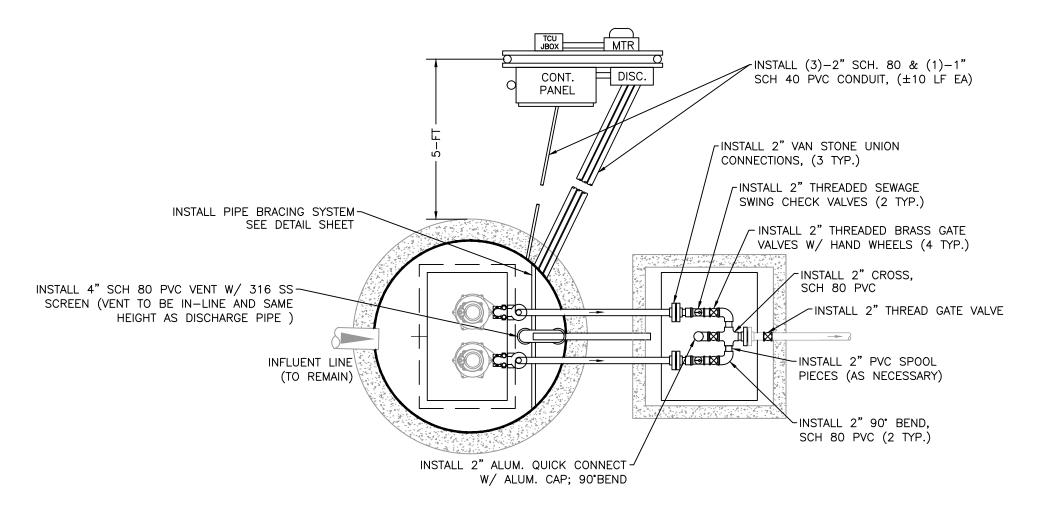
MEASUREMENTS SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. ALL MEASUREMENTS AND CALCULATIONS SHALL BE THE RESPONSIBILITY OF THE AWARDED

THE EXTERIOR SURFACES OF THE CONCRETE WET WELL AND VALVE VAULT EXPOSED ABOVE GRADE SHALL BE COATED WITH AT LEAST TWO COATS OF H & C SILICONE ACRYLIC CONCRETE STAIN, PATIO GREEN, MANUFACTURED BY FLR PAINTS, INC.

4. ALL EXISTING DUCTILE IRON PIPE AND/OR FITTINGS LABELED TO REMAIN IN THE VALVE VAULT SHALL BE COATED WITH A BITUMINOUS COATING.

5. COAT THE INTERIOR OF THE VALVE VAULT WALLS WITH TWO (2) COATS OF COAL TAR EPOXY.

6. ALL PAINTING SHALL BE INCLUDED IN THE BID ITEM TO BE PAINTED.



<u>PLAN</u> FINSTALL NEW 6" THICK (MIN.) RECTANGULAR 30"x48" SINGLE HEAVY DUTY ALUMINUM~ VALVE VAULT TOP; SHALL HAVE A 4" REVEAL. HATCH W/ FALL PROTECTION; -36"x48" DOUBLE HEAVY DUTY INSTALL NEW 10" THICK (MIN.) ROUND WET \ ALUMINUM HATCH WELL TOP; SHALL HAVE A 4" REVEAL. -CONNECT 2" CROSS TO EXISTING UNION. INSTALL APPROVED SPRAY LINER, (±372 SF)~ ∼INSTALL NEW PVC "P" TRAP ROTATE AND INSTALL FLUSH AGAINST WALL INSIDE WET WELL. (P-TRAP ROTATED IN DRAWING FOR CLARITY) ~INSTALL 316 SS PIPE BRACING SYSTEM, (2 MIN.). TOP BRACE TO BE 4' FROM TOP. LOWER BRACE TO BE 4' ABOVE BASE ELLS. MAX SPACING OF 8' BETWEEN BRACES. (SEE DETAIL SHEET) INFLUENT LINE ~INSTALL 2" SCH 80 PVC PIPE (2 TYP) (TO REMAIN) ∼INSTALL NEW 316 SS PUMP GUIDE RAIL SYSTEM COMPOSED OF SINGLE LENGTH (WELDED) 1" PIPES (2 TYP) ✓INSTALL PVC FLANGE W/ 316 SS HARDWARE (2 TYP.) INSTALL NEW 2" BPIU PUMP BASE ELBOWS, (2 TYP.)

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	NO	
NEW PVC DISCHARGE PIPING	YES	
NEW BASE ELBOW	YES	
MODIFY TOP ELEVATION OF WET WELL (LOWER/RAISE)	YES	
MODIFY TOP ELEVATION OF VALVE VAULT (LOWER/RAISE)	NO	
INSTALL WET WELL VENT PIPE	YES	
INSTALL NEW WATER SERVICE ASSEMBLY	YES	
RELOCATE EX. WATER SERVICE ASSEMBLY	NO	

ELEVATION EX. 2 PUMP LIFT STATION

ITEMS MAY BE ROTATED FOR

WATER DISTRIBUTION IS PRIVATE. SEWER COLLECTION IS PUBLIC. LIFT STATION WITHIN COUNTY ROW.

CONSTRUCTION NOTES:

IN PLACE AND USED. (±200 LF).

ENCLOSURES/COMPONENTS.

CALCULATIONS" SHALL BE PROVIDED.

THE CONTRACTOR.

AND/OR LINER REPAIR.

COUNTY PERSONNEL, (±10 LF).

DITCHES. MAXIMUM OF 1% SLOPE.

CONCRETE FOOTERS (±65 LF).

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

REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK),

CONTROL PANEL, TCU ENCLOSURE, JUNCTION BOX ENCLOSURE,

METER CAN. AND A SAFETY SWITCH (DISCONNECT). ALL REMAINING

CONTROL PANEL SHALL BE RE-ESTABLISHED TO THE NEW PANEL.

VERIFYING SIZE OF RACK TO HOLD ALL PROPOSED ELECTRICAL

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.

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

SEPARATE THE TELEMETRY TOWER FROM CONCRETE BASE AND SET

DISPOSE OF CONCRETE BASE AND ALL GROUNDING ROD(S). CONTRACTOR SHALL INSTALL NEW CONCRETE BASE, TELEMETRY

TOWER BASE, ALL CONDUIT, ETC. CONTRACTOR SHALL COORDINATE

WITH COUNTY PERSONNEL. ANTENNA LOCATION SHALL BE

DETERMINED IN THE FIELD WITH COUNTY PERSONNEL. THE

TELEMETRY TOWER BASE SHALL BE SUPPLIED BY THE COUNTY TO

INSTALL NEW 3-INCH PVC DRAIN LINE WITH PVC "P" TRAP ROTATE

AND INSTALL FLUSH AGAINST WILL INSIDE WET WELL. SEAL WITH

NON-SHRINK GROUT. SEAM AND SEAL TO MATCH LINER IN WET

WELL. WALL PENETRATION TO BE MADE BY MECHANICAL ROTARY

WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER

INSTALL A NEW STANDARD METER/BPA ASSEMBLY; AND A

3/4-INCH HOSE BIBB ASSEMBLY PER COUNTY STANDARDS VIA

DIRECT BURY. ALL ITEMS SHALL BE FIELD LOCATE WITH MANATEE

REFRESH EXISTING SHELL DRIVEWAY WITH A 16-FT WIDE 2-INCH

THICK SHELL DRIVEWAY FROM THE ASPHALT CUL-DE-SAC TO THE

LIFT STATION SITE. EXACT LOCATION AND LAYOUT SHALL BE

. REMOVE EXISTING FENCE COMPLETELY, INCLUDING ALL POSTS AND

DETERMINED IN THE FIELD WITH COUNTY PERSONNEL, (±155 SY). . REGRADE SITE TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING

CORE BORING. (P-TRAP ROTATED IN DRAWING FOR CLARITY).

TO SIDE OF LIFT STATION SITE. CONTRACTOR SHALL REMOVE AND

INSTALL (2)-1¢ TO 3¢ CONVERTER IN CONTROL PANEL.

THE NEW ELECTRICAL STRUCTURE SHALL BE FIELD LOCATED WITH MANATEE COUNTY PERSONNEL. CONTRACTOR RESPONSIBLE FOR

EXISTING ELECTRICAL EQUIPMENT CONNECTED TO THE EXISTING lacksquare

REVISIONSDATEDESCRIPTION

1022 26th Avenue East, Bradenton, FL 34208

PUMP BASE ELBOWS & ANCHORING HARDWARE (2 TYP., REMOVE)

> 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.

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<i>MANATEE COUNTY</i>						
PUBLIC WORKS DEPARTMENT						
OJECT #	402-5164583	SURVEYED	_	_		
C./TWN./RGE	2/35/18	DESIGNED	JSS	4/2024		
ALE	SEE PLANS	DRAWN	JSS	4/2024		

SATELLITE LIFT STATION R&R 2025 GROUP 1 TERRA SIESTA 2, RTU 528

SHEET 05 of 12

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:15 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG

-INSTALL NEW 2" BASE ELBOW MOUNTING PLATES AND ANCHOR BOLTS;

MAY REQUIRE GRINDING OR LEVELING OF BASE GROUT (SEE BASE ELL

MOUNTING PLATE DETAIL ON DETAIL SHEET) (2 TYP)

--- PIPE BRACING (2 TYP., REMOVE)

GUIDE RAIL SYSTEM

(2 TYP., REMOVE)

ITEMS ROTATED FOR CLARITY

ELEVATION

EX. 2 PUMP LIFT STATION

-PUMP BASE ELBOWS & ANCHORING HARDWARE (2 TYP., REMOVE)

(2 TYP., REMOVE)

LIFT STATION SCHEDULE (EXISTING)

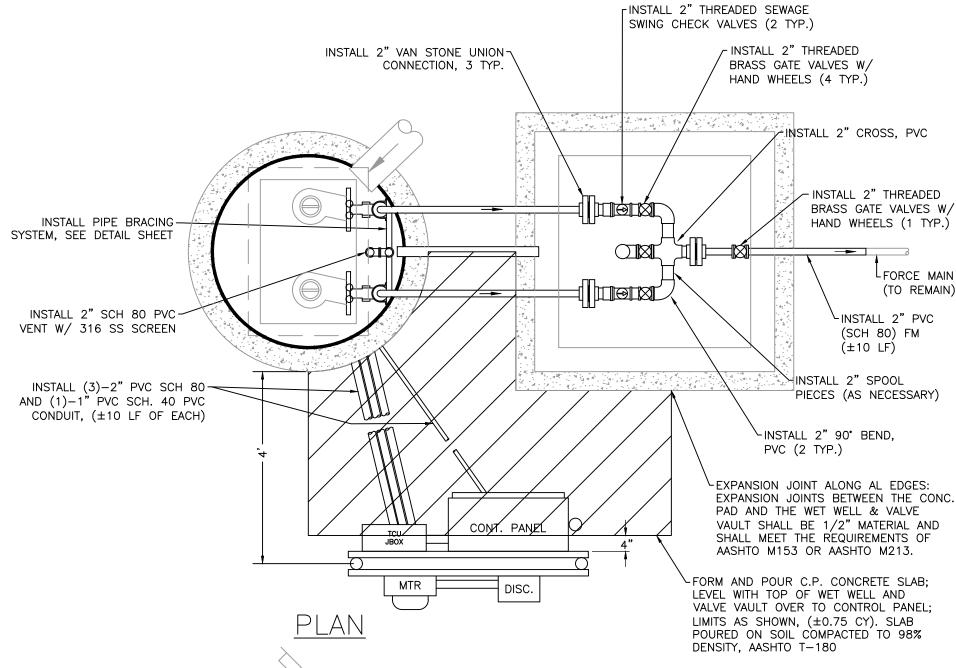
RADIO TELEMETRY UNIT (RTU)

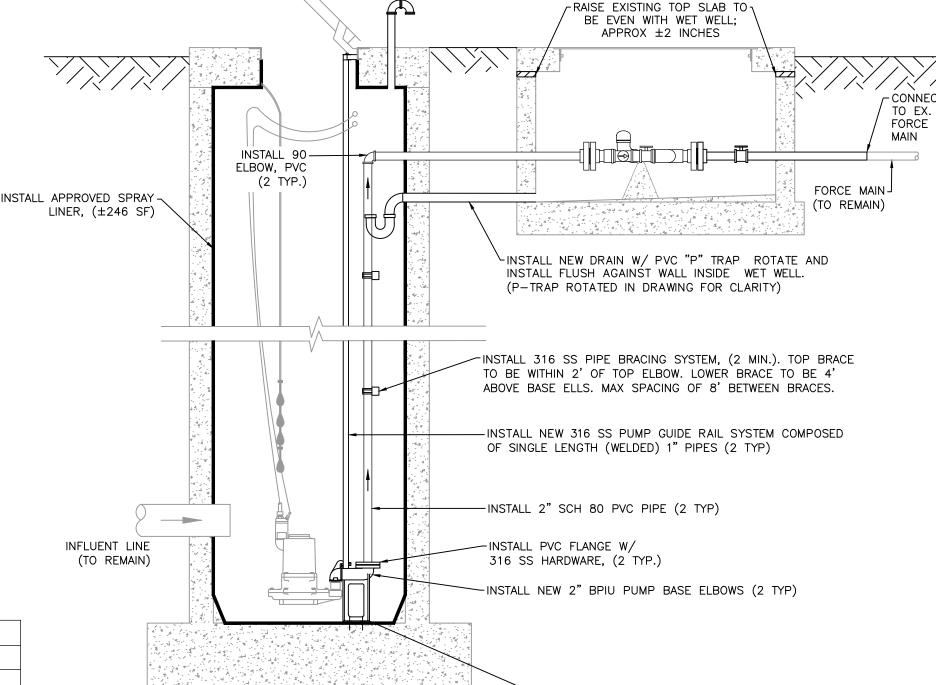
DESIGN CAPACITY GPM/TDH	75 / 90
PUMP TYPE / HP	HYDROMATIC/5
DISCHARGE PIPE DIAMETER	1.25"
WET WELL DIAMETER	4'
BOTTOM SLAB ELEVATION	-12.34
TOP ELEVATION	5.19
VALVE VAULT ELEVATION	5.19
INFLUENT INVERT ELEVATION	-6.46
INFLUENT PIPE SIZE	8", DI
FORCE MAIN DIAMETER	2"
WET WELL VENT PIPE	PVC
ELECT. POWER, VOLTS / PH	240 / 3
ELECT. SERVICE SIZE, AMPS	60
EX. FORCE MAIN TIE-IN	FM
FLOODPLAIN INFORMATION	AE-8
* INFORMATION TAKEN FROM LIFT FILE (LSINFO.XLS 2023) & RECORD	

DATUM OF ELEVATIONS IS UNKNOWN.

PROPOSED

- 1. CONTRACTOR SHALL NOT BACKFILL OVER DISCHARGE PIPING UNTIL INSPECTOR HAS VISUALLY CHECKED IT FOR LEAKS DURING PUMP STARTUP OR PRESSURE TEST AS DIRECTED BY THE COUNTY.
- 2. 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. 3. THE EXTERIOR SURFACES OF THE CONCRETE WET WELL, VALVE VAULT, AND POURED SLAB EXPOSED ABOVE GRADE SHALL BE COATED WITH AT LEAST TWO
- COATS OF H & C SILICONE ACRYLIC CONCRETE STAIN, PATIO GREEN, MANUFACTURED BY FLR PAINTS, INC.
- 4. ALL EXISTING DUCTILE IRON PIPE AND/OR FITTINGS LABELED TO REMAIN IN THE VALVE VAULT SHALL BE COATED WITH A BITUMINOUS COATING.
- 5. COAT THE INTERIOR OF THE VALVE VAULT WALLS WITH TWO (2) COATS OF COAL TAR EPOXY.
- 6. ALL PAINTING SHALL BE INCLUDED IN THE BID ITEM TO BE PAINTED.





INSTALL ALL NEW ELECTRICAL SERVICE WITH CONDUIT. IF TH EXISTING ELECTRICAL CONDUIT HAS A MINIMUM DIAMETER OF IN PLACE AND USED. (±100 LF).

CONSTRUCTION NOTES:

2-INCHES OR IS PROPERLY SIZED PER NEC (WHICHEVER IS GREATER), THEN THE EXISTING ELECTRICAL CONDUIT CAN BE LEFT REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK), CONTROL PANEL, TCU ENCLOSURE, JUNCTION BOX ENCLOSURE,

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.

- 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.
- SEPARATE THE TELEMETRY TOWER FROM CONCRETE BASE AND SET TO SIDE OF LIFT STATION SITE. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE AND ALL GROUNDING ROD(S) CONTRACTOR SHALL INSTALL NEW CONCRETE BASE, TELEMETRY TOWER BASE, ALL CONDUIT, ETC. CONTRACTOR SHALL COORDINATI WITH COUNTY PERSONNEL. ANTENNA LOCATION SHALL BE DETERMINED IN THE FIELD WITH COUNTY PERSONNEL. THE TELEMETRY TOWER BASE SHALL BE SUPPLIED BY THE COUNTY TO THE CONTRACTOR.
- INSTALL NEW 3-INCH PVC DRAIN LINE WITH PVC "P" TRAP ROTATE AND INSTALL FLUSH AGAINST WILL INSIDE WET WELL. SEAL WITH NON-SHRINK GROUT. SEAM AND SEAL TO MATCH LINER IN WET WELL. WALL PENETRATION TO BE MADE BY MECHANICAL ROTARY CORE BORING. (P-TRAP ROTATED IN DRAWING FOR CLARITY).
- WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER AND/OR LINER REPAIR.
- INSTALL A NEW 2-INCH WATER SERVICE LINE AND 4"x2" TAPPING SADDLE; A STANDARD METER/BPA ASSEMBLY; AND A 3/4-INCH HOSE BIBB ASSEMBLY PER COUNTY STANDARDS VIA DIRECT BURY. THE EXISTING WATER MAIN IS LOCATED IN THE ROW ON THE SAME SIDE AS THE LIFT STATION SITE OF THE ROADWAY. 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, (±10 LF).
- ABANDON EXISTING WATER SERVICE SADDLE AND CORPORATION AT MAIN; INSTALL A BRASS PLUG IN CORPORATION STOP.
- INSTALL WASHED SHELL & WEED BARRIER (±50 SY); GRADE THE AREA AROUND WET WELL TO ALLOW FOR POSITIVE DRAINAGE AWAY FROM LIFT STATION AND TO HAVE A 4" REVEAL ON THE WET WELL/VALVE ASSEMBLY PAD. ON THE SOUTH SIDE, EXTEND BARRIER AND WASHED SHELL APPROXIMATELY 10 FEET FROM THE 6 STRUCTURE EDGES AND DAYLIGHT TO EXISTING GRADE. COORDINATE WITH MANATEE COUNTY PERSONNEL.
- INSTALL A 10-FT WIDE 6-INCH THICK REINFORCE CONCRET STANDARD DRIVEWAY ON THE NORTH SIDE OF WET WELL AND VALVE VAULT. EXACT LOCATION AND LAYOUT SHALL BE DETERMINED IN THE FIELD WITH COUNTY PERSONNEL, (±33 SY).
- . REGRADE SITE TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING DITCHES. MAXIMUM OF 1% SLOPE.
- . THIS LIFT STATION IS LOCATED IN A FLOOD ZONE (AE—8) WITH A BASE FLOOD ELEVATION OF 8 NAVD. THE BASE OF ALL ELECTRICAL EQUIPMENT SHALL BE ABOVE THE FLOOD PROTECTION ELEVATION OF 9 NAVD. A FLOOD REVIEW & ELEVATION CERTIFICATE PREPARED BY A FLORIDA LICENSED SURVEYOR WILL BE REQUIRED.
- . V-GROOVE AND PATCH ALL LIFT MOUNTS ON THE WET WELL AND VALVE VAULT PRIOR TO PAINTING. COORDINATE WITH COUNTY \□

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 PVC DISCHARGE PIPING	YES
NEW BASE ELBOW	YES
MODIFY TOP ELEVATION OF WET WELL (LOWER/RAISE)	NO
MODIFY TOP ELEVATION OF VALVE VAULT (LOWER/RAISE)	YES
INSTALL WET WELL VENT PIPE	YES
INSTALL NEW WATER SERVICE ASSEMBLY	YES
RELOCATE EX. WATER SERVICE ASSEMBLY	NO

SCALE

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

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MANATEE COUNTY PUBLIC WORKS DEPARTMENT 402-5164582 | SURVEYED PROJECT # 16/34/18 DESIGNED JSS 4/2024 SEC./TWN./RGE SEE PLANS | DRAWN 4/2024

ITEMS ROTATED FOR CLARITY

ELEVATION

EX. 2 PUMP LIFT STATION

SATELLITE LIFT STATION R&R 2025 GROUP 1 N6A, RTU 538

WATER DISTRIBUTION IS PUBLIC. SEWER COLLECTION IS PUBLIC.

LIFT STATION WITHIN COUNTY ROW.

SHEET 06 of 12

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:20 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG

-INSTALL NEW 2" BASE ELBOW MOUNTING PLATES AND ANCHOR BOLTS; MAY REQUIRE GRINDING OR LEVELING

OF BASE GROUT (SEE BASE ELL MOUNTING PLATE

DETAIL ON DETAIL SHEET) (2 TYP)

REVISIONSDATEDESCRIPTION

INFLUENT LINE (TO REMAIN)

1022 26th Avenue East, Bradenton, FL 34208

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

538

EX. WET WELL -

(T-LOCK)

HATCH OPENING -

(REMOVE)

OTES:

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

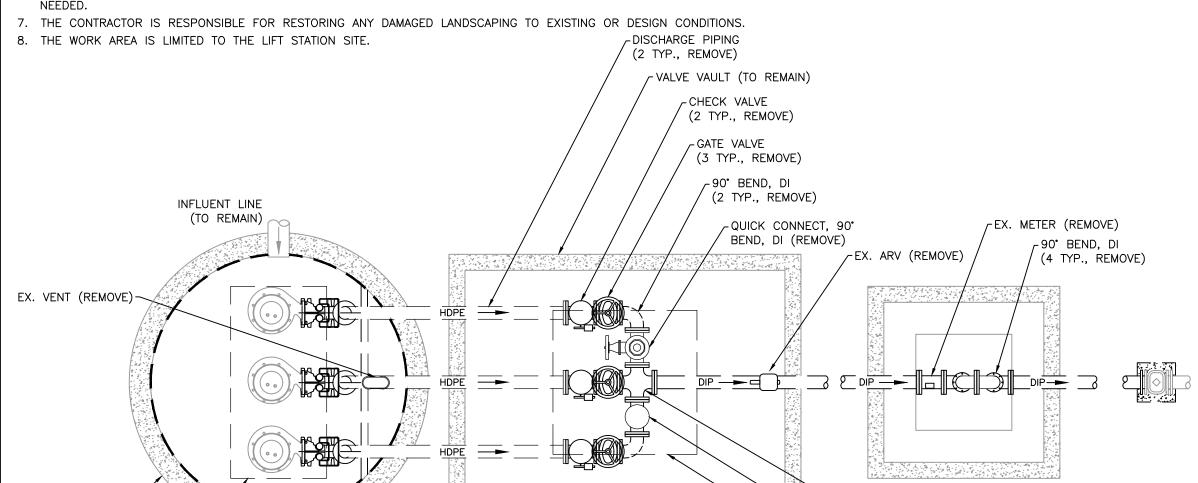
TELEMETRY

TOWER

(REMOVE)

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



-CROSS, DI

(REMOVE)

-TEE. DI

EX. METER, BPA

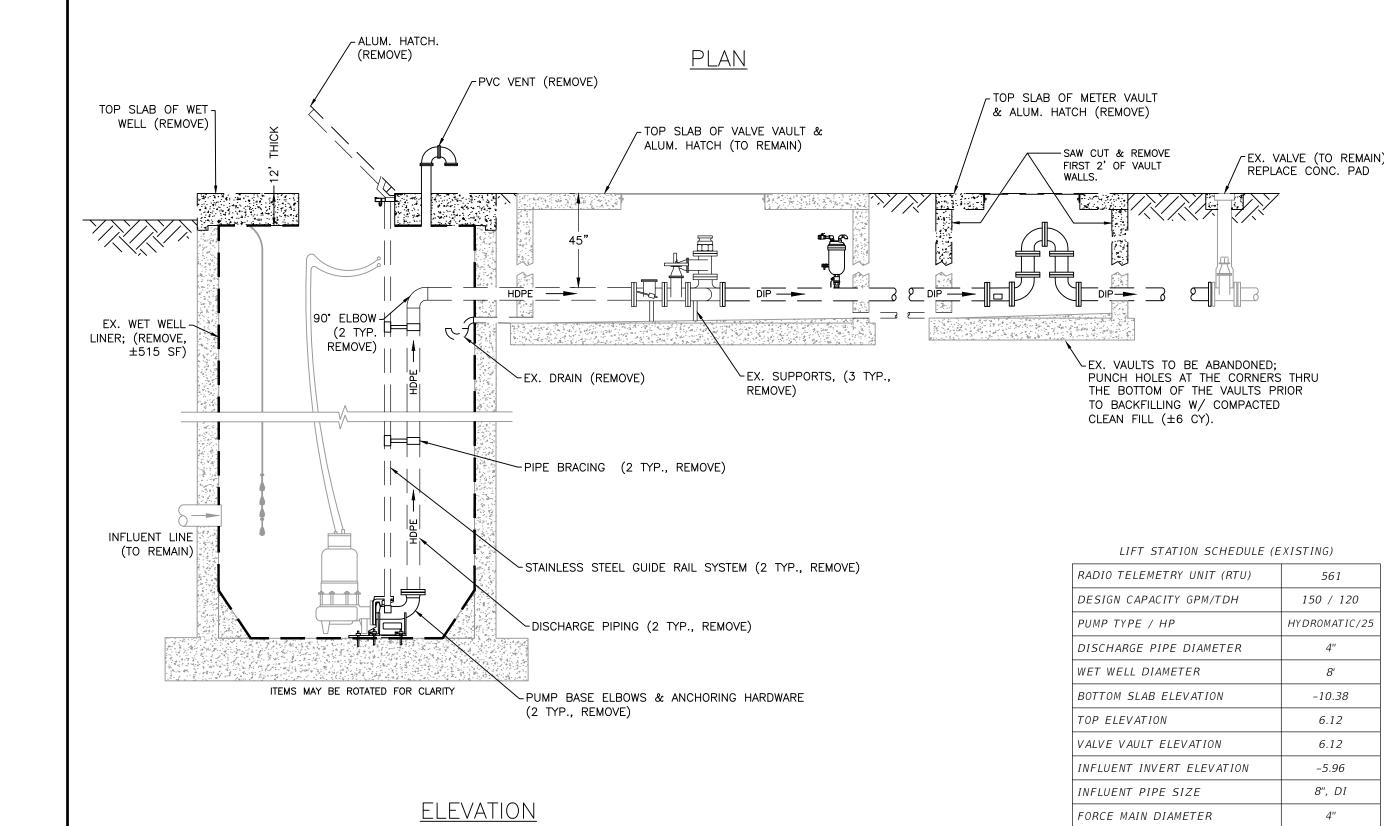
& HOSE BIB

(REMOVE)

(2 TYP., REMOVE)

-HATCH OPENING

(REMOVE)



PROPOSED

GENERAL NOTES:

1. CONTRACTOR SHALL NOT BACKFILL OVER DISCHARGE PIPING UNTIL INSPECTOR HAS VISUALLY CHECKED IT FOR LEAKS DURING PUMP STARTUP OR PRESSURE TEST AS DIRECTED BY THE COUNTY.

2. 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

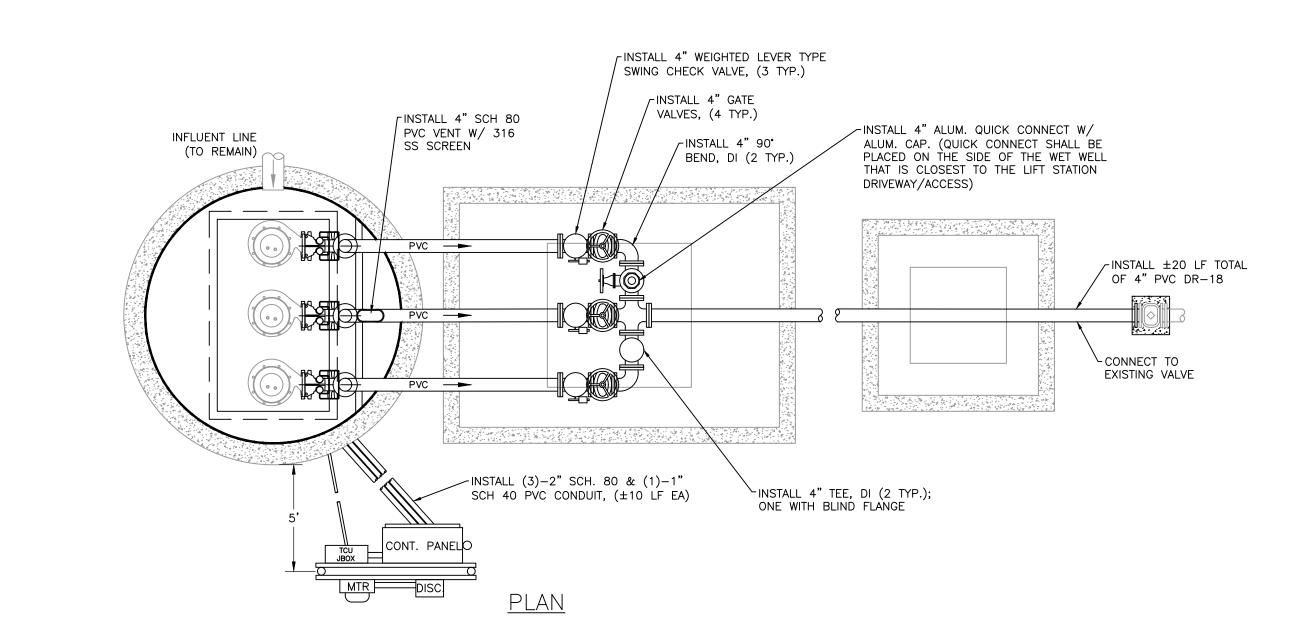
. THE EXTERIOR SURFACES OF THE CONCRETE WET WELL AND VALVE VAULT EXPOSED ABOVE GRADE SHALL BE COATED WITH AT LEAST TWO COATS OF H & C SILICONE ACRYLIC CONCRETE STAIN, PATIO GREEN, MANUFACTURED BY FLR PAINTS, INC.

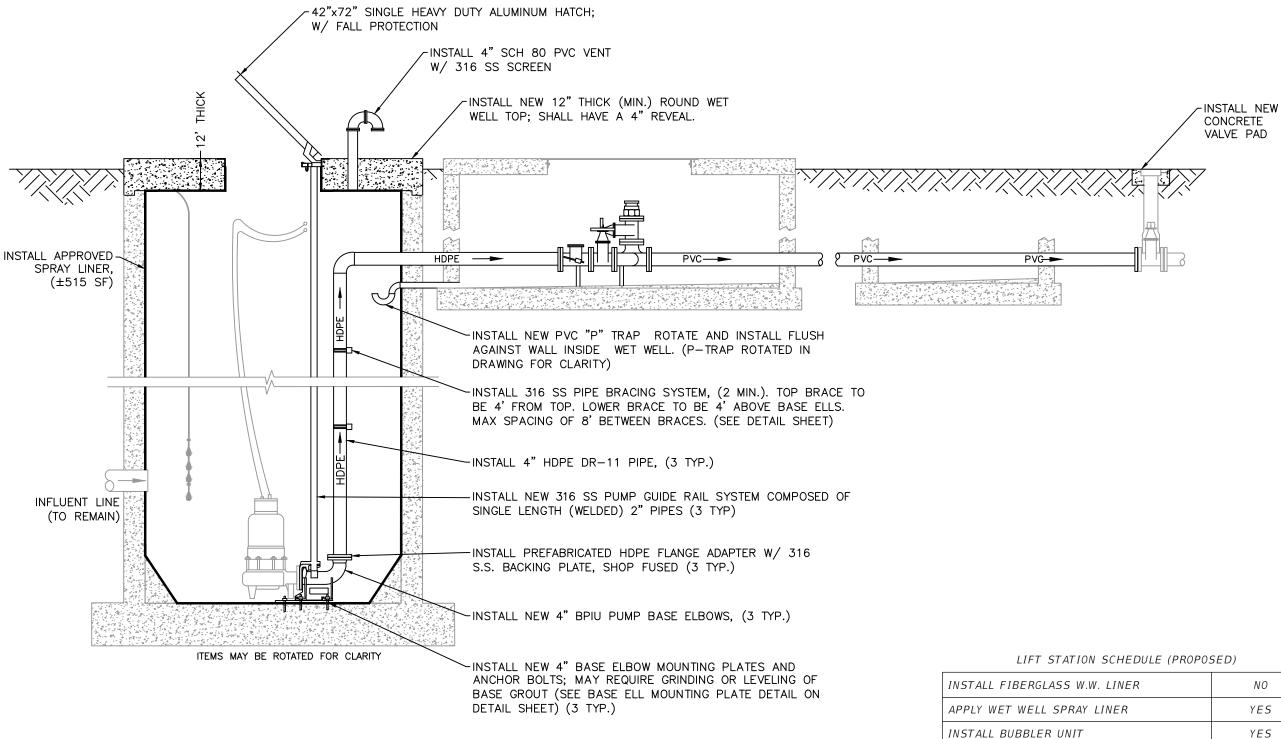
4. ALL EXISTING DUCTILE IRON PIPE AND/OR FITTINGS LABELED TO REMAIN IN THE VALVE VAULT SHALL BE COATED WITH A BITUMINOUS COATING.

4. ALL EXISTING DUCTILE IRON PIPE AND/OR FITTINGS LABELED TO REMAIN IN THE VALVE VAULT SHALL BE COATED WITH A

5. COAT THE INTERIOR OF THE VALVE VAULT WALLS WITH TWO (2) COATS OF COAL TAR EPOXY.

6. ALL PAINTING SHALL BE INCLUDED IN THE BID ITEM TO BE PAINTED.





ELEVATION EX. 2 PUMP LIFT STATION NTS

NO YES INSTALL BUBBLER UNIT YES INSTALL FORCE MAIN ISOLATION VALVE NO NEW HDPE DISCHARGE PIPING YES NEW BASE ELBOW YES MODIFY TOP ELEVATION OF WET WELL NO (LOWER/RAISE) MODIFY TOP ELEVATION OF VALVE VAULT NO (LOWER/RAISE) INSTALL WET WELL VENT PIPE YES INSTALL NEW WATER SERVICE ASSEMBLY YES

CONSTRUCTION NOTES:

ENCLOSURES/COMPONENTS.

1. INSTALL <u>ALL</u> NEW ELECTRICAL SERVICE WITH CONDUIT FROM CONTROL PANEL TO EXISTING HANDHOLE. 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. (±20 LF).

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

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.

3. 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.

SEPARATE THE TELEMETRY TOWER FROM CONCRETE BASE AND SET TO SIDE OF LIFT STATION SITE. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE AND ALL GROUNDING ROD(S). CONTRACTOR SHALL INSTALL NEW CONCRETE BASE, TELEMETRY TOWER BASE, ALL CONDUIT, ETC. CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL. ANTENNA LOCATION SHALL BE DETERMINED IN THE FIELD WITH COUNTY PERSONNEL. THE TELEMETRY TOWER BASE SHALL BE SUPPLIED BY THE COUNTY TO THE CONTRACTOR.

INSTALL NEW 3-INCH PVC DRAIN LINE WITH PVC "P" TRAP ROTATE AND INSTALL FLUSH AGAINST WILL INSIDE WET WELL. SEAL WITH NON-SHRINK GROUT. SEAM AND SEAL TO MATCH LINER IN WET WELL. WALL PENETRATION TO BE MADE BY MECHANICAL ROTARY CORE BORING. (P-TRAP ROTATED IN DRAWING FOR CLARITY).

5. WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER AND/OR LINER REPAIR.

INSTALL A NEW STANDARD METER/BPA ASSEMBLY; AND A 3/4-INCH HOSE BIBB ASSEMBLY PER COUNTY STANDARDS VIA DIRECT BURY. ALL ITEMS SHALL BE FIELD LOCATE WITH MANATEE COUNTY PERSONNEL, (±10 LF).
 REGRADE SITE TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY

FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING DITCHES. MAXIMUM OF 1% SLOPE.

1. INSTALL TWO BOLLARDS; YELLOW PVC COVER WITH 360° RED

REFLECTOR AT THE END OF THE EXISTING DRIVEWAY. FIELD LOCATE WITH COUNTY PERSONNEL.

10. THIS LIFT STATION IS LOCATED IN A FLOOD ZONE (AE-9) WITH A BASE FLOOD ELEVATION OF 9 NAVD. THE BASE OF ALL ELECTRICAL EQUIPMENT SHALL BE ABOVE THE FLOOD PROTECTION ELEVATION OF 10 NAVD. A FLOOD REVIEW & ELEVATION CERTIFICATE PREPARED BY A FLORIDA LICENSED SURVEYOR WILL BE REQUIRED.

NOTES:

1. WATER DISTRIBUTION IS PUBLIC.

2. SEWER COLLECTION IS PUBLIC.

3. LIFT STATION WITHIN COUNTY ROW.

DATE DESCRIPTION

1022 26th Avenue East, Bradenton, FL 34208

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

DI

240 / 3

175

FΜ

AE-9

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

WET WELL VENT PIPE

ELECT. POWER, VOLTS / PH

ELECT. SERVICE SIZE, AMPS

EX. FORCE MAIN TIE-IN

FLOODPLAIN INFORMATION

INFORMATION TAKEN FROM LIFT STATION DATA

FILE (LSINFO.XLS 2023) & RECORD DRAWINGS.

DATUM OF ELEVATIONS IS UNKNOWN.

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 # 402-5164581 SURVEYED					
SEC./TWN./RGE 27/35/18 DESIGNED JSS 4/202			4/2024		
SCALE	SEE PLANS	DRAWN	JSS	4/2024	

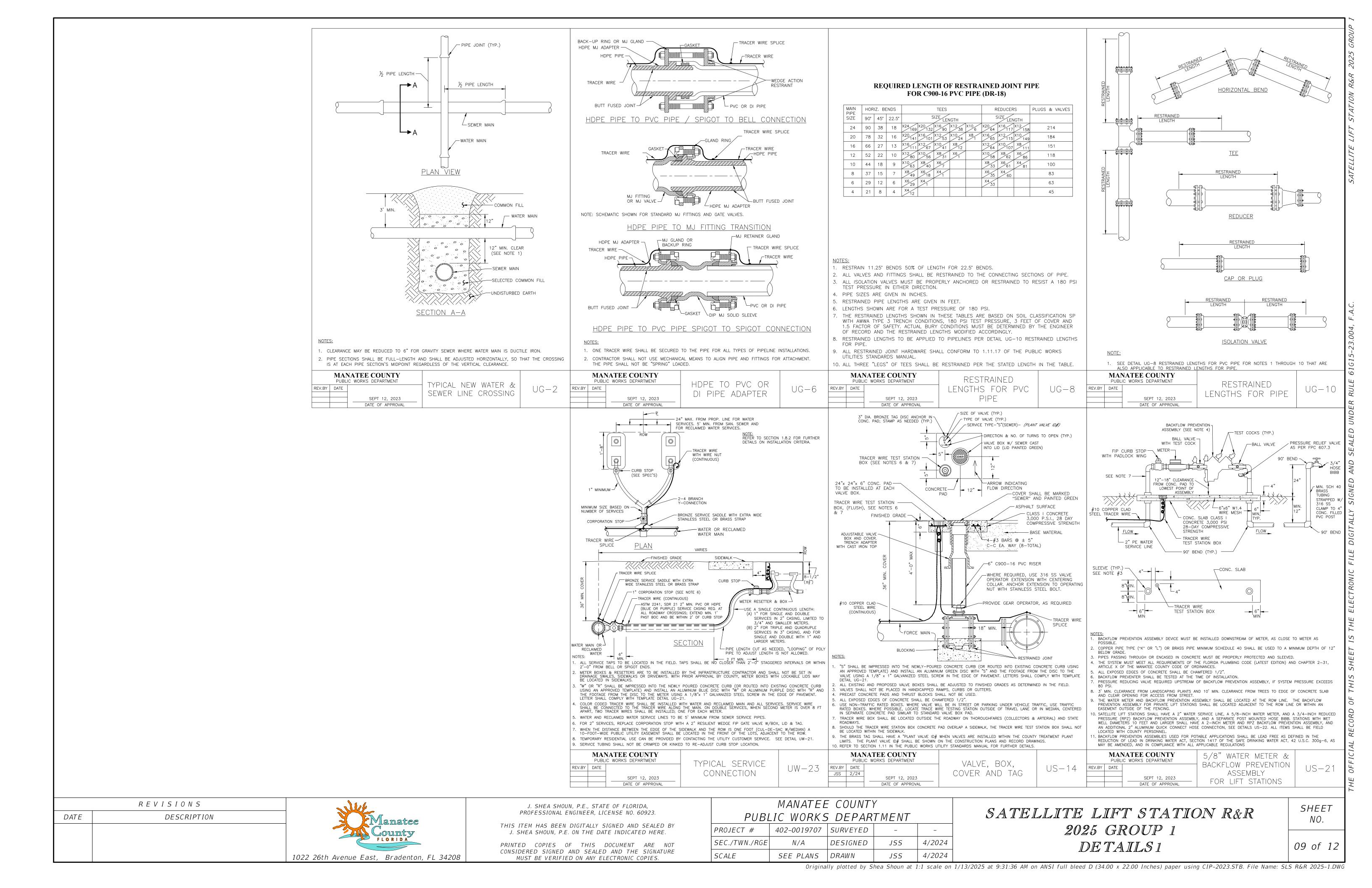
SATELLITE LIFT STATION R&R
2025 GROUP 1
N1E, RTU 561

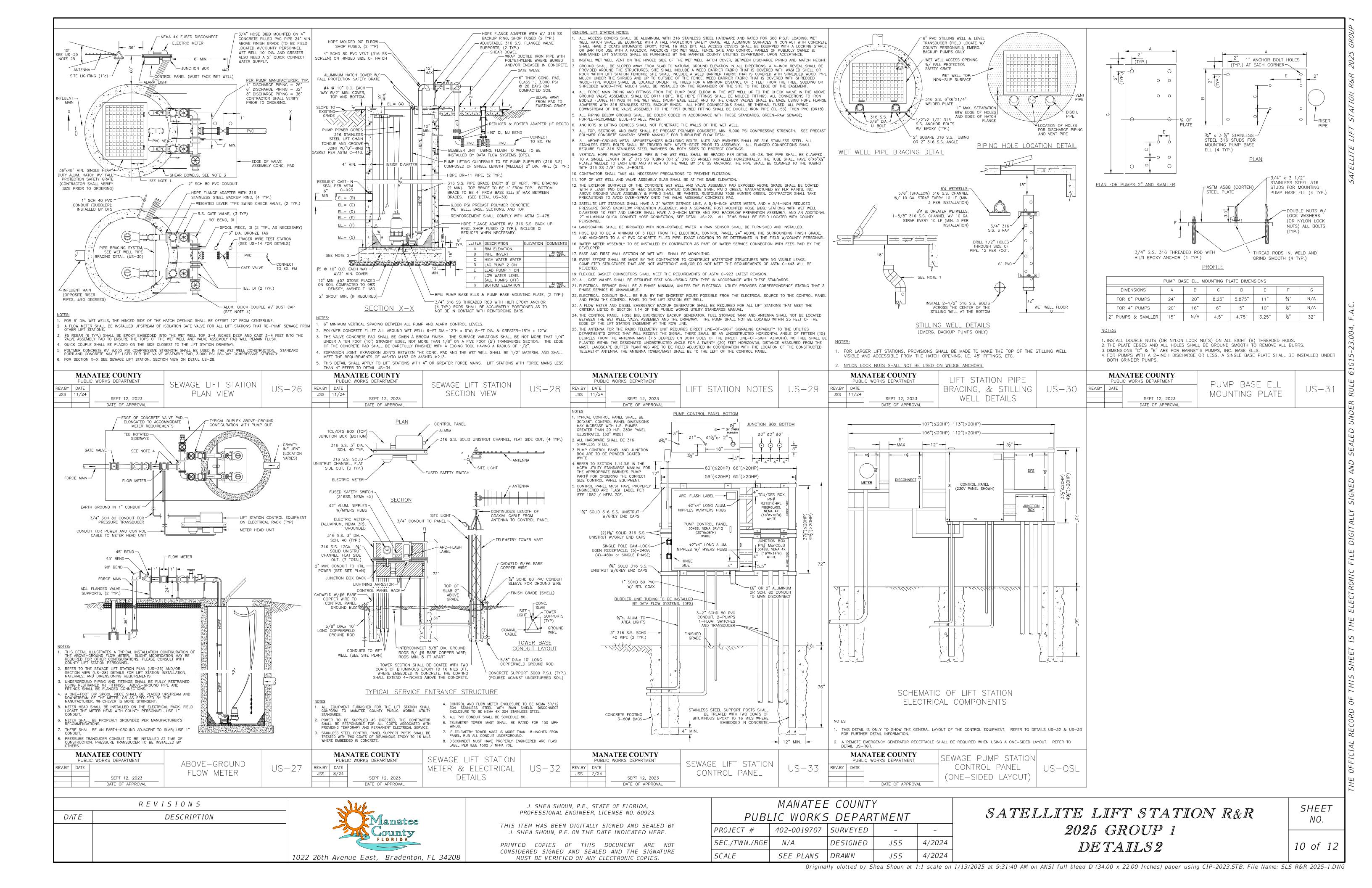
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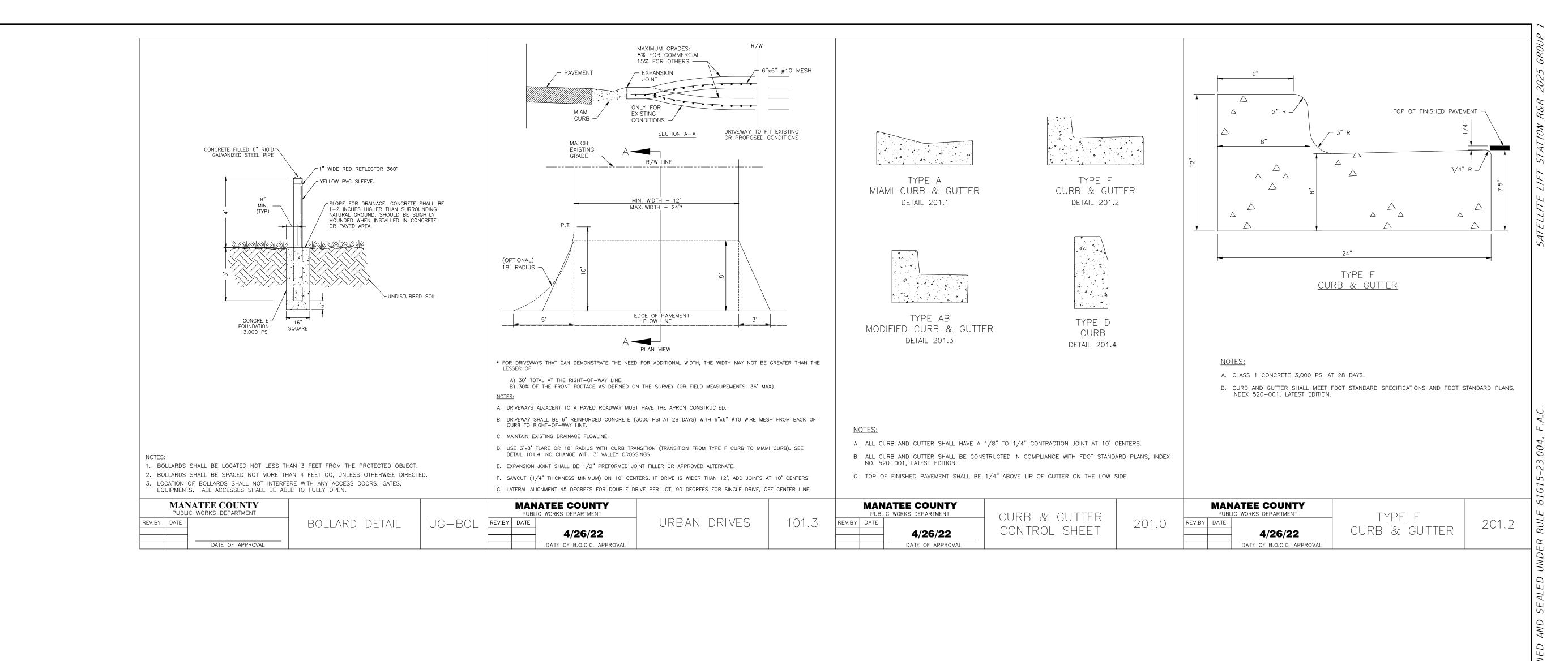
SHEET NO. 07 of 12

RELOCATE EX. WATER SERVICE ASSEMBLY

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:31 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG







DATE DESCRIPTION

Manatee
County
FLORIDA

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.

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MANATEE COUNTY PUBLIC WORKS DEPARTMENT				
PROJECT #	402-0019707	SURVEYED	-	-
SEC./TWN./RGE	N/A	DESIGNED	JSS	4/2024
SCALE	SEE PLANS	DRAWN	JSS	4/2024

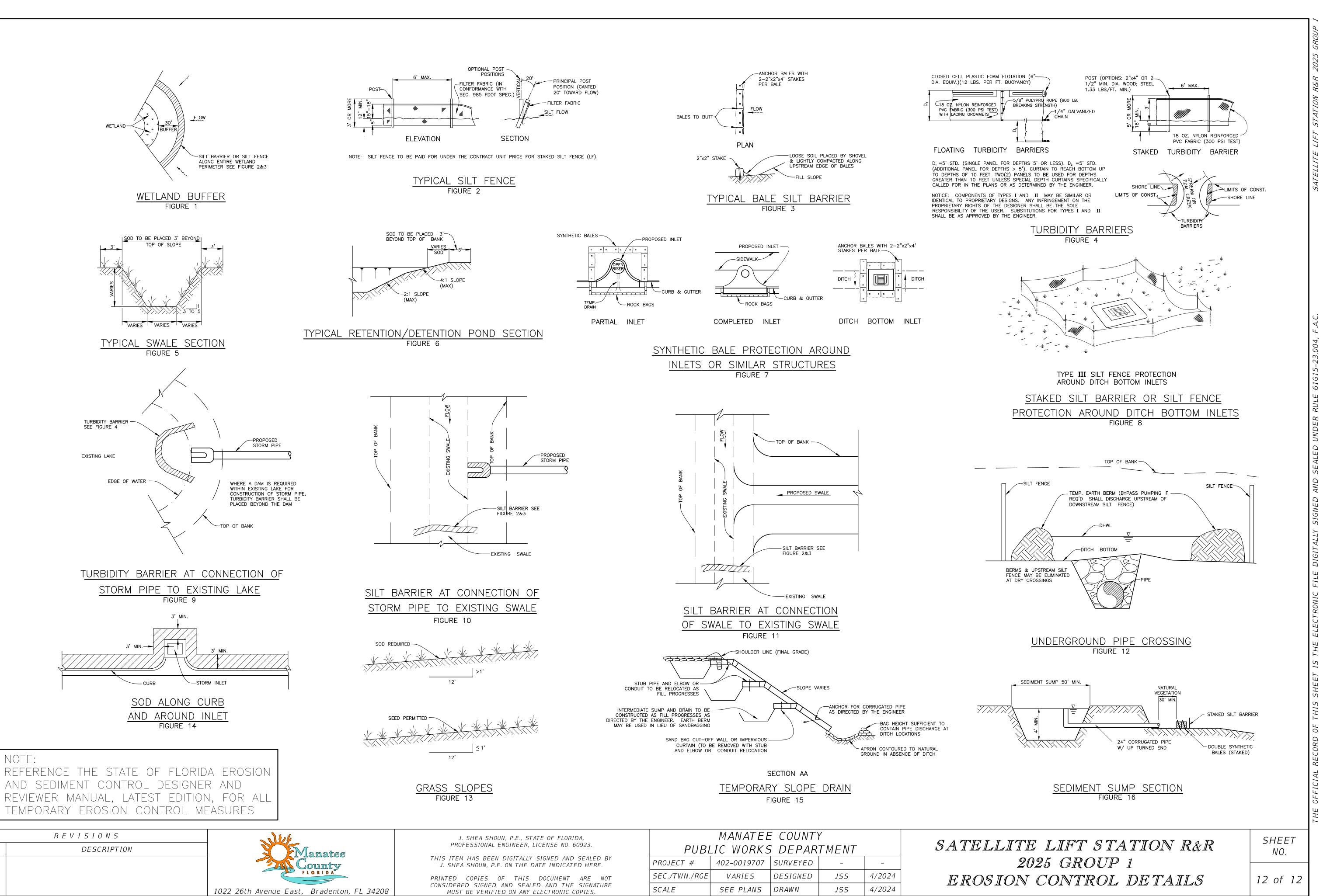
SATELLITE LIFT STATION R&R
2025 GROUP 1
DETAILS 3

NO.

11 of 12

SHEET

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:45 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG



DATE

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 9:31:47 AM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-1.DWG