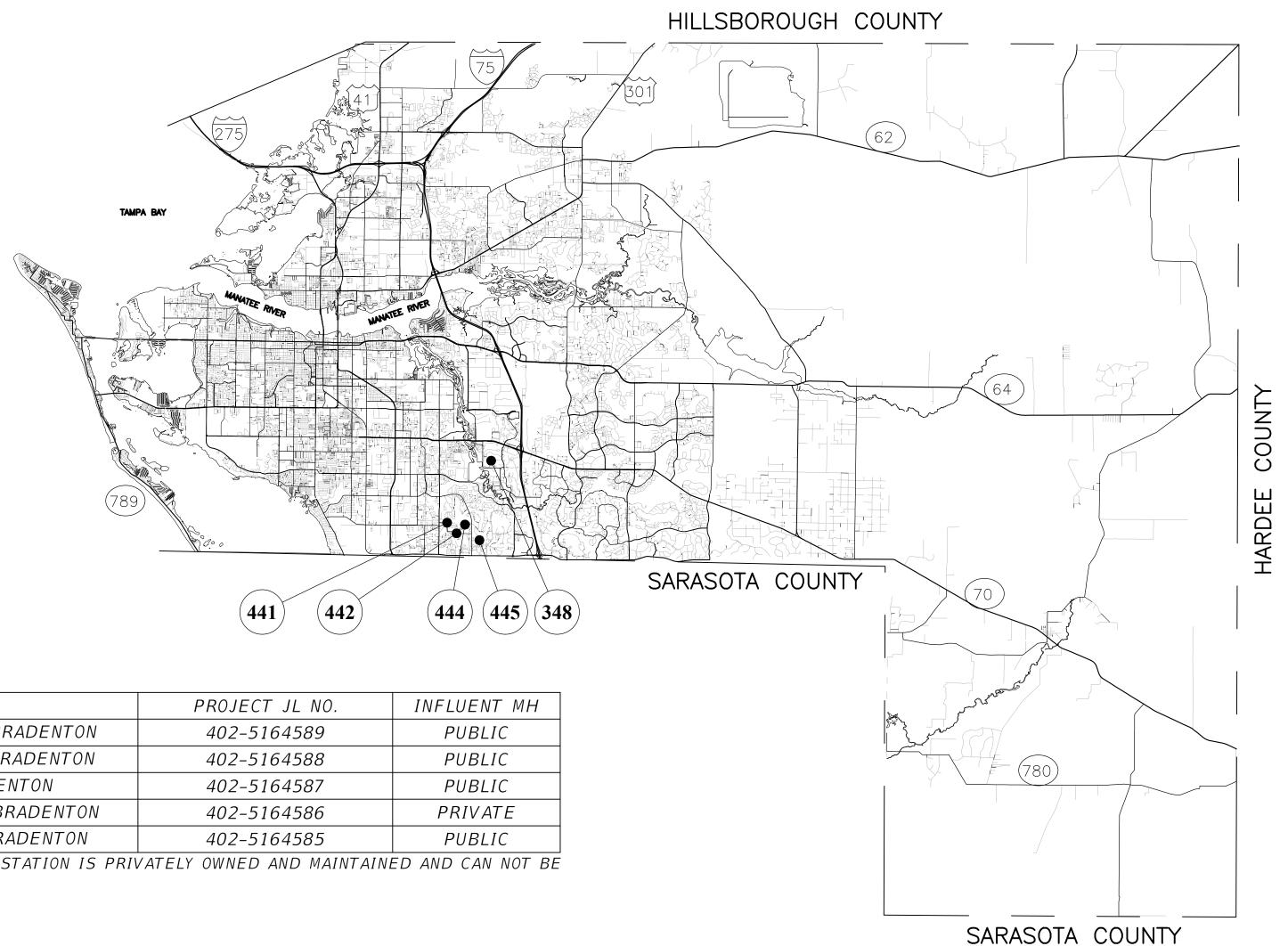
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L.S. NAME	RTU	ADDRESS	PROJE
TARA 3	348	6718 PLEASANT HILL RD, BRADENTON	402
PALM AIRE 1	441	4722 TOURNAMENT BLVD, BRADENTON	402
PALM AIRE 2	442	5215 PALM AIRE DR, BRADENTON	402-
PALM AIRE 4 *	444	5500 COUNTRY CLUB WAY, BRADENTON	402-
TIMBERLAKE	445	8167 MISTY OAKS BLVD, BRADENTON	402

(*) 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.

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.

MANATEE COUNTY UTILITY ENGINEERING SECTION

SATELLITE LIFT STATION R&R 2025 GROUP 2

402-0019707

January 2025

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.









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THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY

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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	SHEET			
YEAR	NO.			
2024	01 of 17			

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:25:41 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG

<u>GENERAL</u>		
REACHE	NSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEME D AT 941.708.7450 x4966. ITS ARE MANDATORY FOR ALL BIDDERS.	NT DIVISION. THE PROJECT MANAGER IS: PAUL HAAS, P.E. AND CAN BE
"STANDA PERFOR 4. THE CO	RD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND/OR THE FLC MED BY A LICENSED PLUMBER REGISTERED IN MANATEE COUNTY, UNLESS OTH NTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIF	IERWISE INDICATED ON THE PLANS. REMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL
THE OW	NER.	HAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO
ENCOUN NECESS BASED.	TERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PR ARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITION	OR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM DNS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE
DISCREF 7. AT LEAS NATIONA FOR TH 8. NO WOF	NTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND R ANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN TH ANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN TH AT 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT S A 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CO E POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UT RK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AN 01310 OF THE SPECIFICATIONS.	HE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION. SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE DNTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES LITIES WITHIN THE RIGHTS-OF-WAY.
9. THE CO THE OC INCLUDE	NTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TREN CUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDAF IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULAT NTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED	IONS.
11. THE CO 12. THESE	NTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTA DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAI INUOUS SAFE WORKSPACE.	
13. THE CO "FLORID	NTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROS	ON, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP .". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT G CONSTRUCTION.
FROM S	ILES SHALL BE PROTECTED AT ALL TIMES BY ON—SITE DRAINAGE CONTROLS W UCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE E NY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.	HICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST XPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE
SHALL I	WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SE BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AN MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND	D WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS
PREVEN OF VEG BEFORE BE STAE	IT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE B I THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTI ETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCL BILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1	NG BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE AND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE UDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL) WEEK OF INSTALLATION.
WITHIN	ALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED THREE (3) DAYS OF EXCAVATION. SPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE	
SENSITIN SILT SC	E. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN REENS, FILTER FABRIC, AND TURBIDITY SCREENS.	JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES,
REPAIRE	DSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESI D AS REQUIRED. NTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS T	
VICINITY CONTRA	OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE OF CTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION RE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THI	WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE OF ANY REGULATIONS OR PERMIT CONDITIONS.
22. ALL CO		
AND LA 24. THE CO CONTRA TRAFFIC CONTRO	NDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COS NTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OF CTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGE SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CU L AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY	T TO THE OWNER. BTAIN A RIGHTS—OF—WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE INCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF RRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC THE CONTRACTOR AT THE PRE—CONSTRUCTION MEETING.
ON THE	NTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WAT PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH IE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIG	F.D.O.T. STANDARDS.
STATION	ING AS REQUIRED TO CONSTRUCT THIS PROJECT.	TY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT
THE EN	D OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575. OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM	
DONE C <u>UTILITIES</u>	UTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.	
COVERS	STING FACILITIES IN THE PROJECT AREA SHALL REMAIN OPERATIONAL AND ACC , SEWER CLEAN-OUTS, ETC.	
TIME OF WITHIN PREPAR UTILITIES CROSSE	NS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OT PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY ATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRU S STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLA D OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.	CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE 'NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE CTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING NS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED,
BOXES, REPLACI	FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN	TTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL CÓST TO THE
PREVEN	NTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDI I UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF P CTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ANY RELA	
MINIMUN DOCUME	MPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT I AND SHALL BE COORDINATED WITH AND APPROVED BY THE MANATEE COUN NTS. IT IS NOTED THAT TEMPORARY SHUTDOWNS MAY BE RESTRICTED TO CE ADDITIONAL COST TO THE OWNER.	TY UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT
CONSTR	RK BEING DONE ON EXISTING SANITARY SEWER LINES, THE CONTRACTOR SHAL UCTION, WHICH MAY REQUIRE BY—PASS PUMPING AND/OR PUMPER TRUCKS. 1 02720.	
A. THE	TER SERVICES TO BE INSTALLED OR MODIFIED ON PRIVATE PROPERTY SHALL F	ACKFLOW PREVENTION ASSEMBLIES (BPA'S) EQUIPPED WITH A PRESSURE
	EF VALVE AT THE POTABLE WATER METER WHENEVER ANY OF THE FOLLOWING SWIMMING POOL,	CONDITIONS EXIST AT A PROPERTY:
•	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 FLOOD ZONE DESIGNATION, (IF ONLY FLOOD ZONE, INSTALL A DOUBLE CHECK SOLAR WATER LIFATING SYSTEM	
•	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	DESCRIPTION	
		County FLORIDA

022	26th	Avenue	East,	Bradenton,	FL	34208

RESTORATION

- B. A LICENSED PLUMBER SHALL INSTALL THE BPA'S IN ACCORDANCE WITH THE CURRENT FLORIDA PLUMBING CODE AND MANATEE COUNTY CODE OF ORDINANCES, AND SHALL SELECT A PRESSURE RELIEF VALVE WITH AN APPROPRIATE PRESSURE SET POINT TO PROTECT THE CUSTOMERS' PLUMBING AND NOT ALLOW 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 POINT OF CONNECTION.
- 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.
- E. VACUUM BREAKERS SHALL BE INSTALLED ON ALL EXTERNAL HOSE BIBBS.
- F. CONTRACTOR SHALL COORDINATE WITH COUNTY CROSS CONNECTION STAFF & PRIVATE PROPERTY OWNER AS REQUIRED. CROSS CONNECTION STAFF SHALL DETERMINE WHICH PROPERTIES REQUIRE A BPA AND TYPE OF BPA TO BE INSTALLED.
- 34. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE. ALL RESTORATION LIMITS ARE APPROXIMATE AND SUBJECT TO THE DIRECTION OF THE COUNTY FIELD REPRESENTATIVE.
- 35. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.
- 36. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE OPERATION OF THE PIPELINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, AT NO ADDITIONAL COST TO THE OWNER.
- 37. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513 OF THE INFRASTRUCTURE ENGINEERING STANDARD SPECIFICATION. 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 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. 39. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS 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 ROCK BASE SHALL COME FROM AN APPROVED FDOT PIT.
- 40. ALL EXISTING SIGNING, THERMOPLASTIC PAVEMENT MARKINGS, ETC ... SHALL BE RESTORED/PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MUTCD, 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 AND PHASING PLAN TO DEMONSTRATE HOW THE RESTORATION WILL BE ACHIEVED.
- **CONSTRUCTION**
- 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 AFFECTED RESIDENCES. AS APPROVED BY THE ENGINEER.
- 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 PART OF DAILY CLEAN UP.
- 44. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED. 45. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
- 46. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA.
- 47. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.
- 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 AND GRADES SHOWN ON THE PLANS AND PROFILES. MODIFICATIONS MUST BE APPROVED BY THE ENGINEER OF RECORD.
- 49. ALL PIPE SHALL BE COLOR CODED TO CONFORM TO MANATEE COUNTY STANDARDS. 50. ALL PIPE AND FITTINGS SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND ALL PIPE JOINTS SHALL BE RESTRAINED WHERE REQUIRED. 51. ALL FITTINGS FOR PRESSURE CLASS-RATED PIPE SHALL BE RESTRAINED DUCTILE IRON. RESTRAINED LENGTHS OF PIPE SHALL ADHERE TO THE REQUIREMENTS AS
- SHOWN ON THE DETAIL SHEETS. 52. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE RECOMMENDED DEFLECTION.
- 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 PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
- 55. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS.
- 56. ALL PENETRATIONS OF EXISTING STRUCTURES SHALL BE BY MECHANICAL ROTARY CORE DRILLING METHOD. ALL CONCRETE PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
- 57. THE CONTRACTOR, PRIOR TO ANY TEMPORARY WATER SHUT-OFFS DURING WATER MAIN TIE-IN, ETC., SHALL NOTIFY THE AFFECTED RESIDENTS BY POSTING 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 PRIOR CONTACT WITH HOMEOWNER'S ASSOCIATIONS. WRITTEN NOTIFICATIONS SHALL ALSO BE FAXED TO THE TAMPA TRIBUNE, BRADENTON HERALD, SARASOTA HERALD TRIBUNE, WBRD RADIO, EMERGENCY COMMUNITY CENTERS, INSPECTIONS, WATER TREATMENT PLANT, WATER MANAGER, HELPLINE, CUSTOMER SERVICE, AND THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT.
- 58. ALL NEW PIPE LINES SHALL BE PIG CLEANED (4" AND LARGER), FLUSHED, PRESSURE TESTED, DISINFECTED AND CERTIFIED PRIOR TO TIE-INS TO EXISTING FACILITIES. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY PLUGS FOR PIG CLEANING AND PRESSURE TESTING.
- 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 ACCEPTANCE. A CORPORATION STOP BRASS PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE.
- 60. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS, FORCE MAINS, AND RECLAIMED WATER LINES SHALL BE LAID PER CURRENT EDITION OF "10 STATE STANDARDS" AND MANATEE COUNTY UTILITY STANDARDS UNLESS NOTED OTHERWISE ON THE PLANS.
- 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 COST TO THE OWNER. RECORD DRAWINGS SHALL BE SIGNED & SEALED BY A SURVEYOR CURRENTLY LICENSED BY THE STATE OF FLORIDA. ALL RECORD DRAWING 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 REQUEST.
- 63. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS OF THE WORK AS CONSTRUCTED. AS-BUILT DRAWINGS SHALL INCLUDE THE LOCATION OF ABANDONED MAINS CUT AND PLUG POINTS. AS-BUILT DRAWINGS SHALL BE ANNOTATED EACH DAY AS THE WORK PROCEEDS AND SHALL BE AVAILABLE TO THE COUNTY PROJECT MANAGER AND/OR FIELD INSPECTOR FOR REVIEW ON AN ONGOING BASIS. AS-BUILT DRAWINGS SHALL PROVIDE THE HORIZONTAL AND VERTICAL INSTALLED LOCATION 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 THE COUNTY PROJECT MANAGER AND/OR INSPECTOR ON DEMAND AS THE WORK PROGRESSES. SEE SECTION 01720 FOR FURTHER DETAILED REQUIREMENTS OF THE DAILY RECORD DRAWING DOCUMENTATION.
- EXISTING UTILITY LOCATIONS
- 64. THE FOLLOWING IDENTIFIES THE QUALITY LEVEL OF EXISTING UTILITY LINEWORK ON PLANS.
- LEVEL "A" -VISUALLY LOCATED OR SOFT DIGS (HORIZONTAL AND VERTICAL)
- LEVEL "B" -DESIGNATED BY GPR OR FLAGGING (HORIZONTAL)
- LEVEL "C" -SURFACE VISIBLE FEATURES SURVEY
- LEVEL "D" -EXISTING RECORDS OR GIS REFERENCE 2010 EDITION OF FDOT UTILITY ACCOMMODATION MANUAL (UAM)
- MAINTENANCE OF TRAFFIC
- 65. THE CONTRACTOR IS RESPONSIBLE FOR ANY TRAFFIC CONTROL PLAN (TCP) IMPLEMENTED. THE TCP SHALL BE PREPARED BY AN INDIVIDUAL CERTIFIED TO PREPARE 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 FDOT) APPROVAL PRIOR TO IMPLEMENTATION AND FAILURE TO OBTAIN APPROVAL SHALL NOT BE GROUNDS FOR ANY DELAY CLAIM FOR TIME OR ADDITIONAL COMPENSATION.
- 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
- 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 TCP SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. 67. MAINTENANCE OF TRAFFIC MUST MEET THE FDOT 102-600 SERIES STANDARDS AT ALL TIMES. FULL CLOSURES SHALL BE AVOIDED. FULL CLOSURES WITH
- DETOURS MAY BE CONSIDERED (AND ARE NOT GUARANTEED) WITH THREE-WEEK ADVANCE NOTICE AND MUST HAVE PRIOR COUNTY APPROVAL BEFORE IMPLEMENTATION
- 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 COST OF PIPE.

J. SHEA SHOUN, P.E., STATE OF FLORIDA,		MANATEE	E COUNTY	Y					
PROFESSIONAL ENGINEER, LICENSE NO. 60923.	PUBL	LIC WORKS	5 DEPAR	TMENT		SA'			
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY J. SHEA SHOUN, P.E. ON THE DATE INDICATED HERE.	PROJECT #	402-0019707	SURVEYED	GFY	7/2024				
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CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	SCALE	SEE PLANS	DRAWN	JSS	4/2024				

- CLOSURES OR DETOURS.
- 73. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO WORKING NEAR THEIR EXISTING FACILITIES.

PAYMENT

- STANDARD INDEX 600.
- <u>FIBER</u>
- WIRE).

- 83. THE CONTRACTOR MUST PROVIDE A SPLICE DIAGRAM FOR THE PROPOSED SPLICE ENCLOSURE AT THIS TIME.
- INSPECTION OFFICER, AT (941) 708-7450, EXT. 7342.

MANATEE COU PUBLIC WOR UTILITY FNGI ERIC SHROY 1022 26TH BRADENTON (941) 708-TECO/PEOPI ALEX McFARL 8261 VICO SARASOTA, (813) 275-EMERGENCY FRONTIER JOHN PLOTT 1701 RINGLING BLVD SARASOTA, FL. 34236 (941) 906-6707 JOHN.PLOTT@FTR.COM

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

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.

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

76. THE MAXIMUM SPACING BETWEEN WARNING DEVICES USED FOR DELINEATION BETWEEN THE TRAVELWAY(S) AND CONSTRUCTION AREA SHALL BE AS PER FDOT

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 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.

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

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.

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			. ,			CATIONS	(941) 749-3500 EXT. 7812
	RONTIER		SOUTHWEST FLO MANAGEMENT DIS		TOM WRIGHT 5413 E. STATE RO	AD 64	VISHAL.KAKKAD@MYMANATEE.ORG.

SARASOTA SERVICE OFFICE STEVE LOPES, P.E.

6750 FRUITVILLE ROAD SARASOTA, FL. 34240 (941) 377-3722

BRADENTON, FL. 34208-5535 (941) 748-3816 EXT. 21348 TOM.WRIGHT@CHARTER.COM

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

CITY OF BRADENTON PUBLIC WORKS 1411 9TH ST. W. BRADENTON, FL 34205 JIM MCLELLAN JIM.MCLELLAN@CITYOFBRADENTON.COM PHONE: (941) 708-6300



SHEET NO. 02 of 17

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:25:42 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG



DATE

DESCRIPTION

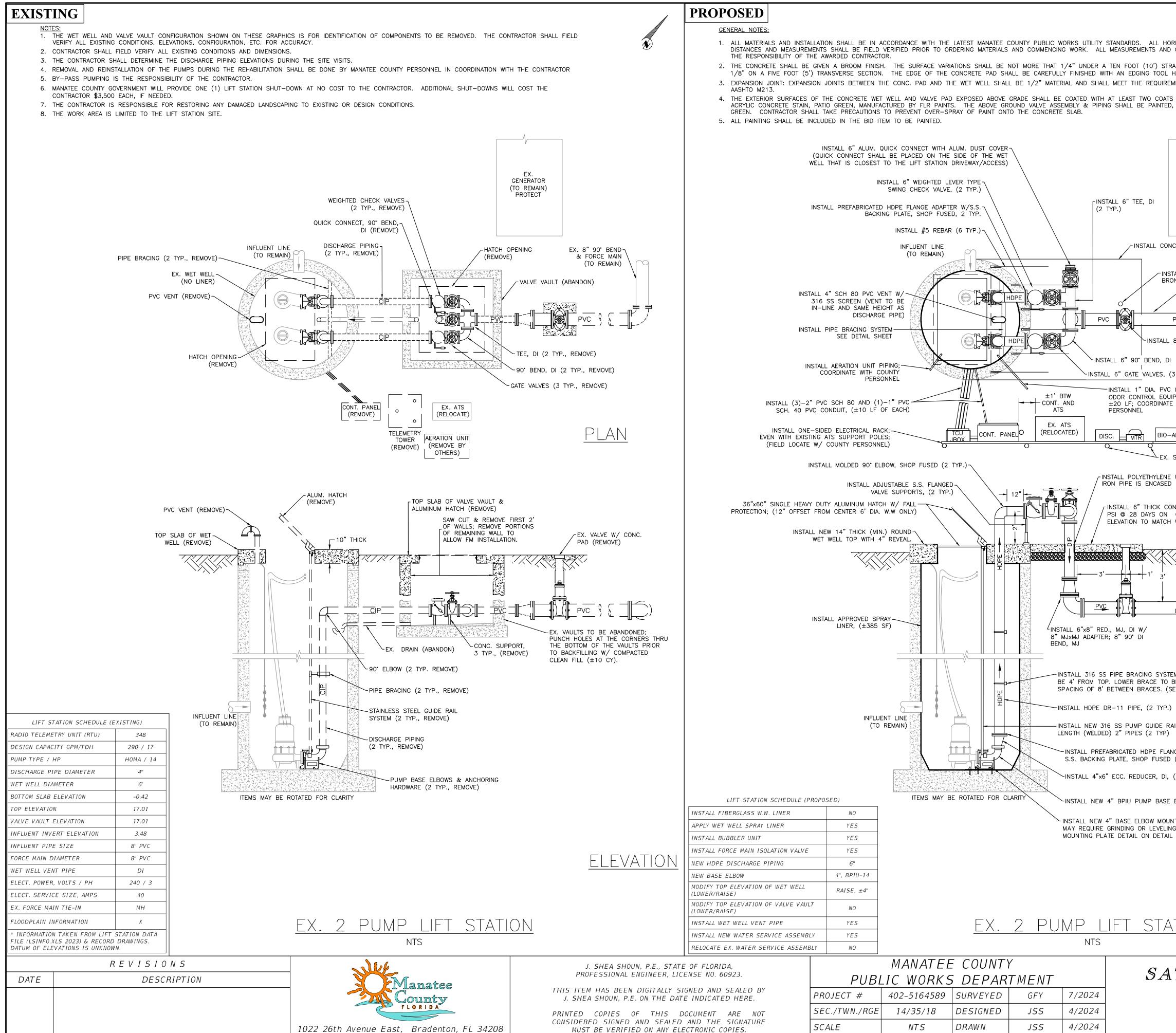


J. SHEA SHOUN, P.E., STATE OF FLORIDA,						
PROFESSIONAL ENGINEER, LICENSE NO. 60923.	PUBL	IC WORKS	5 DEPAR	TMENT		SA7
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY J. SHEA SHOUN, P.E. ON THE DATE INDICATED HERE.	PROJECT #	402-0019707	SURVEYED	GFY	7/2024	
PRINTED COPIES OF THIS DOCUMENT ARE NOT	SEC./TWN./RGE	VARIES	DESIGNED	JSS	4/2024	
CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	SCALE	SEE PLANS	DRAWN	JSS	4/2024	
		0 <i>i</i> i				1 1 2 1 2 2 2 5 1 2 2 5 1

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:25:44 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG

TELLITE LIFT STATION R&R 2025 GROUP 2 VICINITY MAPS

57	NO.	. /	
03	of	17	

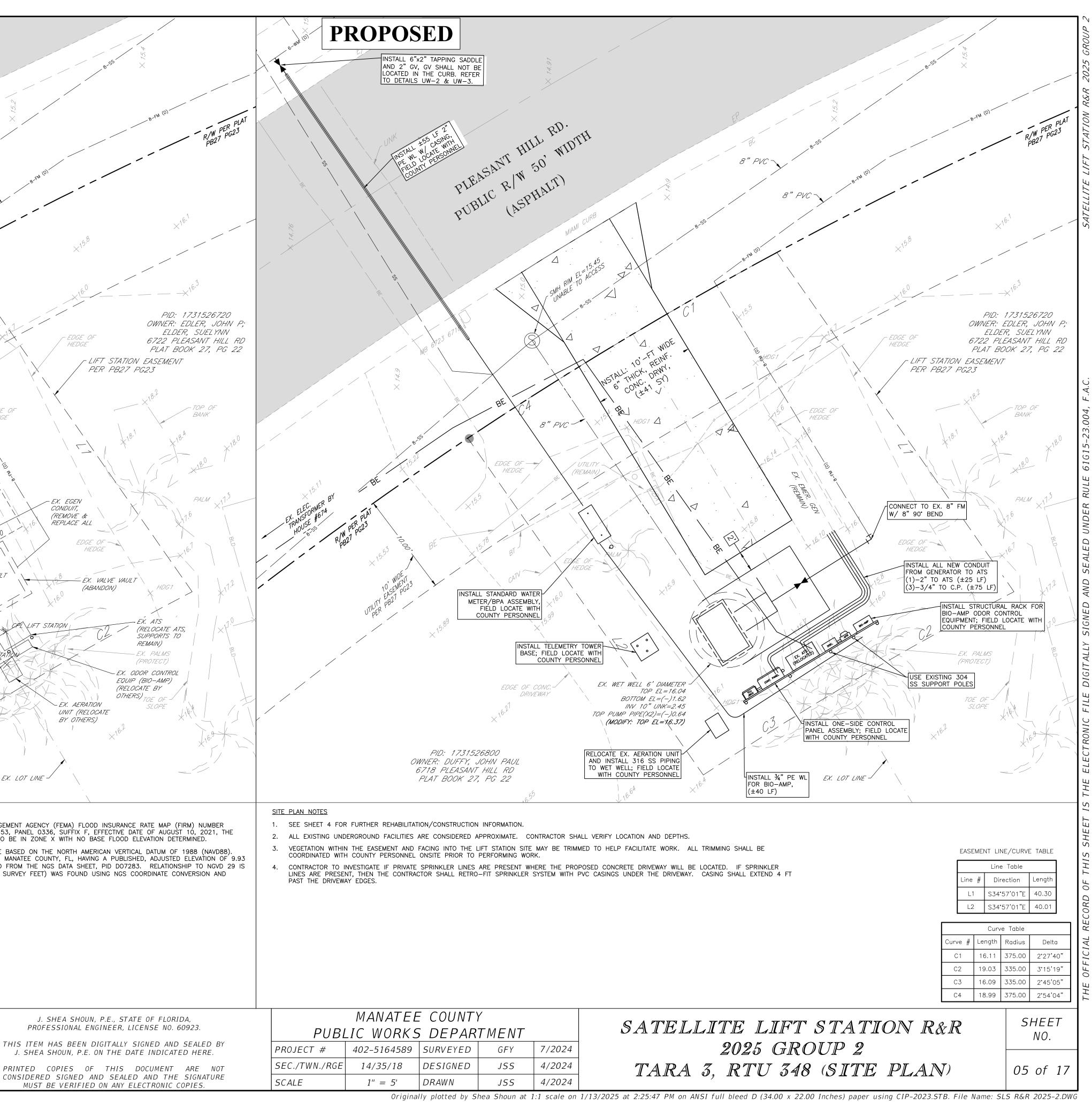


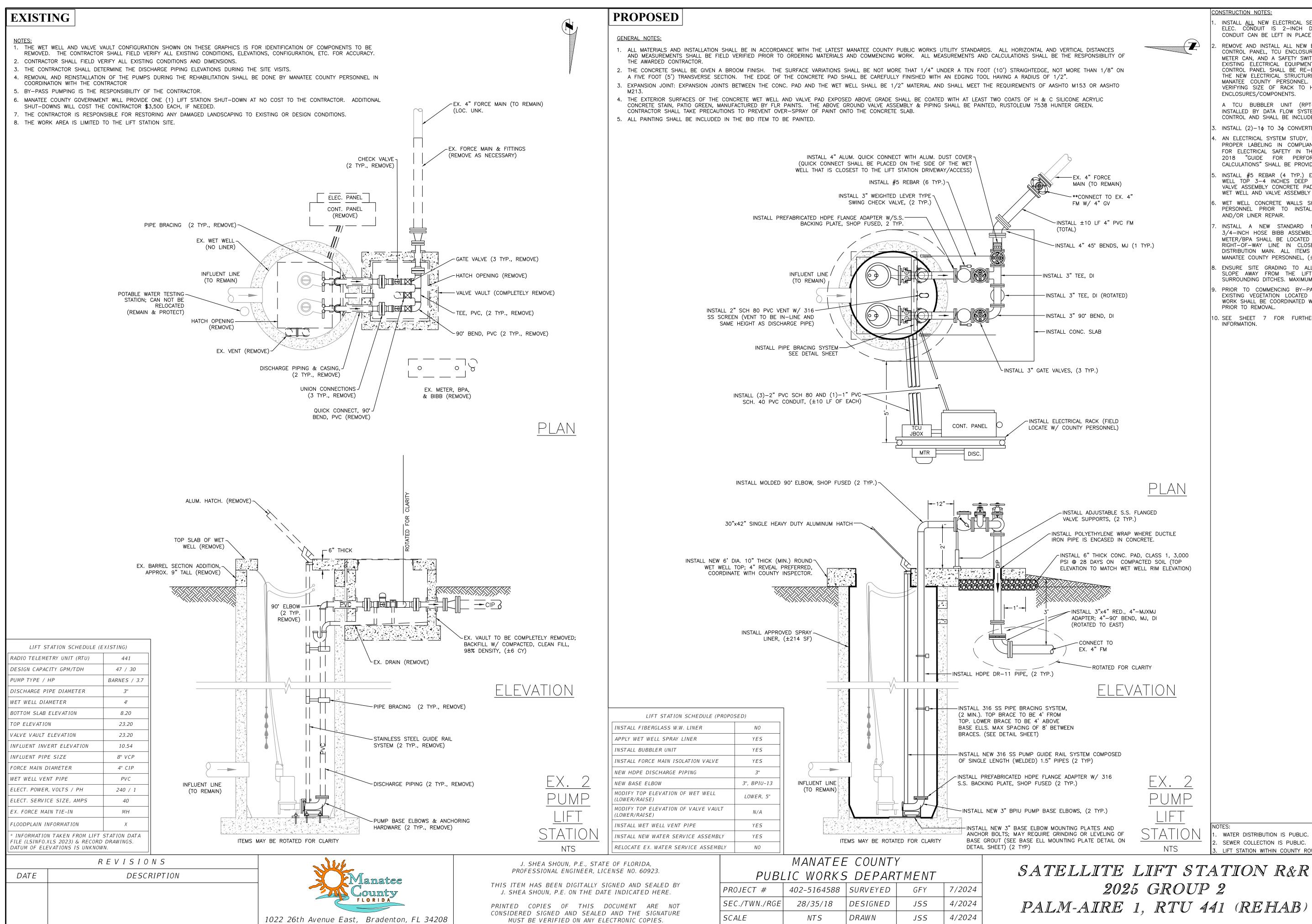
1022 26th Avenue East, Bradenton, FL 34208

1	CONSTRUCTION NOTES.	
RIZONTAL AND VERTICAL CALCULATIONS SHALL BE AIGHTEDGE, NOT MORE THAN HAVING A RADIUS OF 1/2". WINTS OF AASHTO MISS OR 5 OF H. & C SILICONE RUSTOLEUM 7538 HUNTER	 STRUCTURE (RACK), A CONTROL PANEL, JUNCTION BOX ENCLOSURE, A METER CAN, AN (DISCONNECT). ALL REMAINING EXISTING ELE CONNECTED TO THE EXISTING CONTROL RE-ESTABLISHED TO THE NEW PANEL. TH STRUCTURE SHALL BE FIELD LOCATED WITH PERSONNEL. CONTRACTOR RESPONSIBLE FOR RACK TO HOLD ALL PROPO ENCLOSURES/COMPONENTS. A TCU BUBBLER UNIT (RPT-001) SYSTI INSTALLED BY DATA FLOW SYSTEMS (DFS) FO CONTROL AND SHALL BE INCLUDED WITH THE THE LIFT STATION SITE HAS AUXILIARY EQUIPMI FOLLOWING ADDITIONAL BREAKER(S) IN THE CO A. EMERGENCY BACK-UP GEN/PUMP: (3)-2 CHARGER, WATER JACKET HEATER, SPACER B. ODOR CONTROL EQUIPMENT: (1)-3 PO BLOWER), (1)-20A 120V (BIO-AMP). AN ELECTRICAL SYSTEM STUDY, ELECTRICAL S PROPER LABELING IN COMPLIANCE WITH NF FOR ELECTRICAL SAFETY IN THE WORKPLAC 2018 "GUIDE FOR PERFORMING ARC CALCULATIONS" SHALL BE PROVIDED. SEPARATE THE TELEMETRY TOWER FROM CONCT O SIDE OF LIFT STATION SITE. CONTRACTOR DISPOSE OF CONCRETE BASE AND ALL CONTRACTOR SHALL INSTALL NEW CONCRETE TOWER BASE, ALL CONDUIT, ETC. CONTRACTOR 	EN EXISTING ELEC. (±220 LF). -SIDED ELECTRICAL TCU ENCLOSURE, ND A SAFETY SWITCH ECTRICAL EQUIPMENT PANEL SHALL BE IE NEW ELECTRICAL MANATEE COUNTY VERIFYING SIZE OF SED ELECTRICAL EM PROVIDED AND DR WET WELL LEVEL CONTROL PANEL: 20A 120V (BATTERY HEATER. DLE 20A (AERATION TUDY ANALYSIS, AND PA 70E "STANDARD E" AND IEEE 1584 FLASH HAZARDS RETE BASE AND SET SHALL REMOVE AND GROUNDING ROD(S). E BASE, TELEMETRY R SHALL COORDINATE AND IEEE 1584 FLASH HAZARDS RETE BASE AND SET SHALL COORDINATE AND FILSH CONTRACTOR. DED INTO THE WET HE TOPS OF THE MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH MAIN FLUSH. PECTED BY COUNTY NEW SPRAY LINER AND 6"X2" TAPPING ; AND A 3/4-INCH AND 6"X2" TAPPING ; AND A 3/4-INCH ; AND A 3/4-I
EM, (2 MIN.). TOP BRACE TO BE 4' ABOVE BASE ELLS. MAX EE DETAIL SHEET) ANL SYSTEM COMPOSED OF SINGLE NGE ADAPTER W/ 316 (2 TYP.) (2 TYP.) ELBOW, (2 TYP) NTING PLATES AND ANCHOR BOLTS; G OF BASE GROUT (SEE BASE ELL . SHEET) (2 TYP) ELEVATION		SHEFT
TELLITE LIFT STA 2025 GROUP TARA 3, RTU 348 (2	SHEET NO. 04 of 17

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EDGE OF CONC. DRIVEWAY EDGE OF CONC. DRIVEWAY EDGE OF CONC. DRIVEWAY EX. WET WELL 6' DIAMETER TOP EL=16.04 BOTTOM EL=(-)1.62 INV 10" UNK=2.45 TOP PUMP PIPE(x2)=(-)0.64 EX. CONTROL PUD: 1731526800 CHUNED DUTEN FORMUL DATE: EX. TELEMETRY		UTPER 15.89	×1 ^{5.99}	EX. HOSE BIB / - SPRINKLER FEED (RELOCATE)	// × ^{16.04}	
PID: 1731526800 $PID: 1731526800$						
PID: 1731526800 $PID: 1731526800$			/	EX WET WELL 6'	DIAMETER	
PID: 1731526800			DRIVEWAY	\ TOP BOTTOM EL INV 10" U	EL=16.04 C=(-)1.62 UNK=2.45	
PID: 1731526800			× ^{\0.*}	TOP PUMP PIPE(X2) \ \	EX. CONTROL- PANEL, ETC	C3 T = =
6718 PLEASANT HILL RD PLAT BOOK 27, PG 22		6718 PLEAS.	ANT HILL RD		16 ^{.4}	TOWER (REMOVE) Ex
SURVEYOR'S NOTES (PERTINENT NOTES EXTRACTED FROM SURVEYOR'S REPORT)			* 6 ^{.55}	¹ ν ^{6.6[*]}		NOTES
3. THIS SURVEY WAS PREPARED WITH THE BENEFIT OF THE RECORD DOCUMENTS AS SHOWN AND STATED HEREON, ALL OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORIDA. 8. AS PER THE FEDERAL EMERGENCY MANAGEI 12081C0336F, COMMUNITY NUMBER 120153 ABOVE-DESCRIBED PROPERTY APPEARS TO	1. THIS SURVEY WAS PRI	EPARED WITH THE BENEFIT OF THE R	ECORD DOCUMENTS AS SHOWN	I AND STATED HEREON, ALL	8. AS PER THE FEDE 12081C0336F, COM	RAL EMERGENCY MANAGE
2. THE OWNERS AND RECORDING INFORMATION FOR ADJACENT PROPERTIES ARE PER THE MANATEE COUNTY PROPERTY APPRAISER'S WEBSITE ON 6/12/2024. 9. ELEVATIONS SHOWN ON THIS SURVEY ARE F BENCHMARK USED: LECANTO, LOCATED IN N	APPRAISER'S WEBSITE	ON 6/12/2024.			9. ELEVATIONS SHOWN BENCHMARK USED:	N ON THIS SURVEY ARE I LECANTO, LOCATED IN N
STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83) 2011 ADJUSTMENT.	STATE PLANE COORDIN 4. BEARINGS AND COORD	IATE SYSTEM, WEST ZONE, NORTH AM INATES SHOWN ON THIS MAP ARE BA	IERICAN DATUM OF 1983 (NAD SED ON FLORIDA STATE PLANE	B3) 2011 ADJUSTMENT. COORDINATE SYSTEM, WEST	1.654 US SURVEY	FEET (+/- 0.138 US S
SURVEY FEET. CONTROL FOR THIS SURVEY WAS ESTABLISHED USING REAL TIME KINEMATIC- GLOBAL POSITIONING SYSTEM (RTK GPS) OBSERVATIONS WITH CORRECTION SIGNALS PROVIDED BY FPRN BASE <u>FLSN</u> , WITH SUBSEQUENT CHECKS TO PUBLISHED HORIZONTAL CONTROL STATIONS AS STATED ON EACH SITE SHEET.	SURVEY FEET. CONTR SYSTEM (RTK GPS) OF	ROL FOR THIS SURVEY WAS ESTABLISH BSERVATIONS WITH CORRECTION SIGNA	HED USING RÉAL TIME KINEMAT ALS PROVIDED BY FPRN BASE	IC- GLOBAL POSITIONING <u>FLSN</u> , WITH SUBSEQUENT		
EASEMENTS, RIGHTS-OF-WAY, SET BACK LINES, RESERVATIONS AND/OR AGREEMENTS.	EASEMENTS, RIGHTS-C	OF-WAY, SET BACK LINES, RESERVATIO	DNS AND/OR AGREEMENTS.			
DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION. 7. THERE MAY BE ADDITIONAL EASEMENTS, RESERVATIONS, RESTRICTIONS AND/OR OTHER MATTERS OF RECORD AFFECTING	DRAWN OUT OF SCALE 7. THERE MAY BE ADDITION	TO GRAPHICALLY SHOW THEIR LOCATIONAL EASEMENTS, RESERVATIONS, RESERVATIO	TION. STRICTIONS AND/OR OTHER MA	TTERS OF RECORD AFFECTING		
THIS PROPERTY THAT ARE NOT SHOWN HEREON THAT MAY (OR MAY NOT) BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. THE UNDERSIGNED HAS NOT PERFORMED AN INDEPENDENT SEARCH FOR ADDITIONAL RECORDS.	THIS PROPERTY THAT THIS COUNTY. THE U	ARE NOT SHOWN HEREON THAT MAY NDERSIGNED HAS NOT PERFORMED A	(OR MAY NOT) BE FOUND IN N INDEPENDENT SEARCH FOR	THE PUBLIC RECORDS OF ADDITIONAL RECORDS.		
REVISIONS		REVISIONS		1		
DATE DESCRIPTION TABLE	DATE				Manatee	 т
County FLORIDA P				2711		

1022	26th	Avenue	East,	Bradenton,	FL	34208





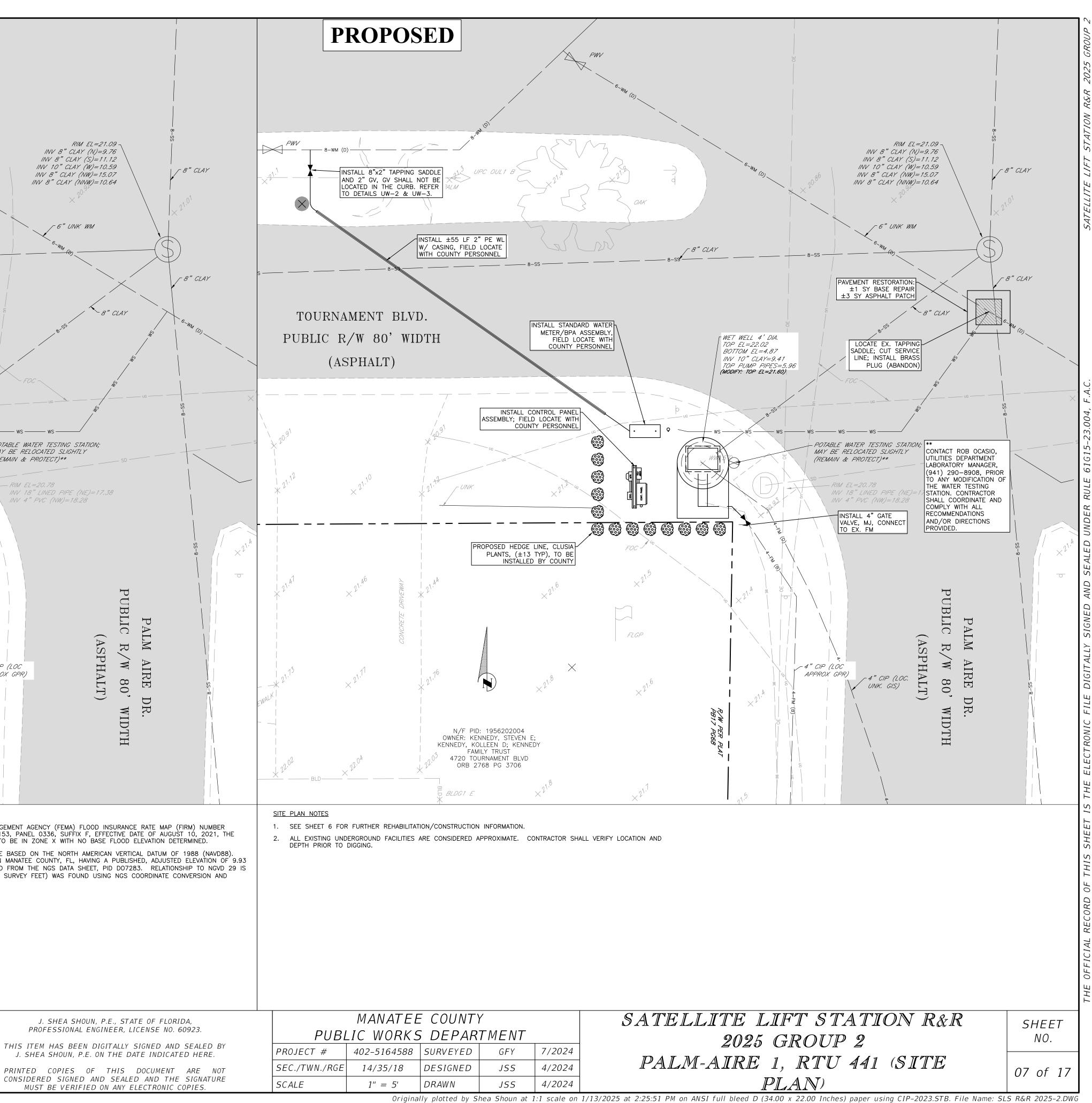
Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:25:49 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG

	CONDUIT CAN BE LEFT IN PLACE AND USED., (±220 LF). 2. REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK), A
L AND VERTICAL DISTANCES ALL BE THE RESPONSIBILITY OF DGE, NOT MORE THAN 1/8" ON	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.
OF 1/2". DF AASHTO M153 OR AASHTO	THE NEW ELECTRICAL STRUCTURE SHALL BE FIELD LOCATED WITH MANATEE COUNTY PERSONNEL. CONTRACTOR RESPONSIBLE FOR VERIFYING SIZE OF RACK TO HOLD ALL PROPOSED ELECTRICAL
& C SILICONE ACRYLIC 38 HUNTER GREEN.	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. 3. INSTALL (2)-1¢ TO 3¢ CONVERTER IN CONTROL PANEL.
	 4. AN ELECTRICAL SYSTEM STUDY, ELECTRICAL STUDY ANALYSIS, AND PROPER LABELING IN COMPLIANCE WITH NFPA 70E "STANDARD
\square	FOR ELECTRICAL SAFETY IN THE WORKPLACE" AND IEEE 1584 2018 "GUIDE FOR PERFORMING ARC FLASH HAZARDS CALCULATIONS" SHALL BE PROVIDED.
EX. 4" FORCE MAIN (TO REMAIN)	5. INSTALL #5 REBAR (4 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
**CONNECT TO EX. 4" FM W/ 4" GV	WET WELL AND VALVE ASSEMBLY PAD WILL REMAIN FLUSH. 6. WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY
INSTALL ±10 LF 4" PVC FM	PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER AND/OR LINER REPAIR.
(TOTAL)	7. INSTALL A NEW STANDARD METER/BPA ASSEMBLY; AND A 3/4-INCH HOSE BIBB ASSEMBLY PER COUNTY STANDARDS. THE METER/BPA SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE METER/BPA SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE
	RIGHT-OF-WAY LINE IN CLOSEST PROXIMITY TO THE WATER DISTRIBUTION MAIN. ALL ITEMS SHALL BE FIELD LOCATE WITH MANATEE COUNTY PERSONNEL, (±10 LF).
-INSTALL 3" TEE, DI	8. ENSURE SITE GRADING TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING DITCHES. MAXIMUM OF 1% SLOPE.
—INSTALL 3" TEE, DI (ROTATED)	9. PRIOR TO COMMENCING BY-PASS, REMOVE AND DISPOSE OF EXISTING VEGETATION LOCATED NEAR THE LIFT STATION. ALL WORK SHALL BE COORDINATED WITH MANATEE COUNTY PERSONNEL
—INSTALL 3"90° BEND, DI	PRIOR TO REMOVAL. 10. SEE SHEET 7 FOR FURTHER REHABILITATION/CONSTRUCTION
—INSTALL CONC. SLAB	INFORMATION.
ATE VALVES, (3 TYP.)	
ALL ELECTRICAL RACK (FIELD	
ALL ELECTRICAL RACK (FIELD ATE W/ COUNTY PERSONNEL)	
<u>PLAN</u>	
-INSTALL ADJUSTABLE S.S. FLANGED VALVE SUPPORTS, (2 TYP.)	
INSTALL POLYETHYLENE WRAP WHERE DUCTILE IRON PIPE IS ENCASED IN CONCRETE.	
,∽INSTALL 6" THICK CONC. PAD, CLASS 1, 3,000	
PSI © 28 DAYS ON COMPACTED SOIL (TOP ELEVATION TO MATCH WET WELL RIM ELEVATION)	
3' INSTALL 3"x4" RED., 4"-MJXMJ ADAPTER; 4"-90' BEND, MJ, DI	
(ROTATED TO EAST)	
EX. 4" FM	
TYP.)	
ELEVATION	
G SYSTEM, 4' FROM	
ABOVE 8' BETWEEN	
UIDE RAIL SYSTEM COMPOSED	
1.5" PIPES (2 TYP)	
FLANGE ADAPTER W/ 316 JSED (2 TYP.) $E \times 2$	
BASE ELBOWS, (2 TYP.)	
OW MOUNTING PLATES AND $\Box \Box \Box$	NOTES:
LL MOUNTING PLATE DETAIL ON <u>SIAION</u> NTS	 WATER DISTRIBUTION IS PUBLIC. SEWER COLLECTION IS PUBLIC.

06 of 17

	EXIS	TING			PWV Z		0E
			0		6-WM (D)		
Pmv ×2 ^{1.1}	8-WM (D)	-8-SS	BUPC OULT E	8-SS	САК САК В	6-1 	^{2/4} (0) × 2 ^{0,86} × 8-ss -
	URNAMENT LIC R/W 80 (ASPHAL'	D' WIDTH			EX. MTR/BPA (REMOVE)	TOP EL=2 BOTTOM INV 10"	22.02
× 2 ^{0.91} × 2 ^{0.91} × 2 ^{1.12} × 2 ^{1.12}	× 21.10	/ /20.91 X 20.91 X 21.12 X 21.12	UC UC UNK	EX.	VALVE VAULT	SH VE LID 3X411 P BUSH	8,55 % WS WS POTA MAY (REM. SD SD SD
 2 ^{1.} ⁴ 	× 2 ^{1.46}	CONCRETE DRIVEWAY		× ^{2^{1.6}}	FOC ×21.5 FLGP		
= -* 21.13 EWALK	× 2 ^{1.11}	 2 ^{1.16} 	N/F PID: 1956202	× 2 ^{1.8}	×2 ^{1.6}	PB1,	4" CIP APPRO. B 0 0
× 22.02	вldХ ^{2.0⁴}	OWI KENN 22:0 ³ 4 2	NER: KENNEDY, STE NEDY, KOLLEEN D; FAMILY TRUST 720 TOURNAMENT ORB 2768 PG 37	EVEN E; KENNEDY BLVD	× ^{2^{1.1}}	7 PER PLAT	BE
 THIS SURVE OF THE PU THE OWNEF APPRAISER' BEARINGS A STATE PLAN BEARINGS A ZONE, AS F SURVEY FEI SYSTEM (RI CHECKS TO GEORGE F. EASEMENTS, THE PRINTE DRAWN OUT THERE MAY THIS PROPE 	TES (PERTINENT NOTES EXTRACTED EY WAS PREPARED WITH BLIC RECORDS OF MAN RS AND RECORDING INF S WEBSITE ON 6/12/2 AND COORDINATES (IN 10 RE COORDINATES (IN 10 RE COORDINATES SHOW REFERENCED TO THE N ET. CONTROL FOR THI IK GPS) OBSERVATIONS OPUBLISHED HORIZONT, YOUNG, INC. AND THE RIGHTS-OF-WAY, SET ED DIMENSIONS SHOWN OF SCALE TO GRAPHI BE ADDITIONAL EASEM ERTY THAT ARE NOT SH TY. THE UNDERSIGNED	H THE BENEFIT OF TH VATEE COUNTY, FLORID FORMATION FOR ADJAC 2024. U.S. SURVEY FEET) AI M, WEST ZONE, NORTH WN ON THIS MAP ARE IORTH AMERICAN DATU IS SURVEY WAS ESTAE WITH CORRECTION S AL CONTROL STATIONS AL CONTROL STATIONS ON THIS SURVEY SU ICALLY SHOW THEIR L IENTS, RESERVATIONS, HOWN HEREON THAT M	DA. CENT PROPERTIES A RE BASED ON NATH I AMERICAN DATUM E BASED ON FLORIE IM OF 1983(2011) BLISHED USING REA IGNALS PROVIDED E S AS STATED ON E NO REPRESENTATION VATIONS AND/OR AC PERSEDE ANY SCAL OCATION. RESTRICTIONS AND MAY (OR MAY NOT)	RE PER THE MANATEE ONAL GEODETIC SURVE OF 1983 (NAD83) 20 DA STATE PLANE COOF ADJUSTMENT AND ARE L TIME KINEMATIC- GI BY FPRN BASE <u>FLSN</u> , ACH SITE SHEET. DNS OR GUARANTEES I GREEMENTS. LED DIMENSIONS; THER D/OR OTHER MATTERS BE FOUND IN THE P	COUNTY PROPERTY Y (NGS), FLORIDA 11 ADJUSTMENT. RDINATE SYSTEM, WEST SHOWN IN U.S. OBAL POSITIONING WITH SUBSEQUENT PERTAINING TO RE MAY BE ITEMS OF RECORD AFFECTING UBLIC RECORDS OF	 12081C0336F, COM ABOVE-DESCRIBED ELEVATIONS SHOWN BENCHMARK USED: FEET (NAVD 88). 	AL EMERGENCY MANAGE MUNITY NUMBER 12015 PROPERTY APPEARS TO ON THIS SURVEY ARE LECANTO, LOCATED IN I INFORMATION OBTAINED FEET (+/- 0.138 US S
DATE	RE	VISIONS DESCRIPTIC	DN		F	lanatee Ounty Lorida	T F

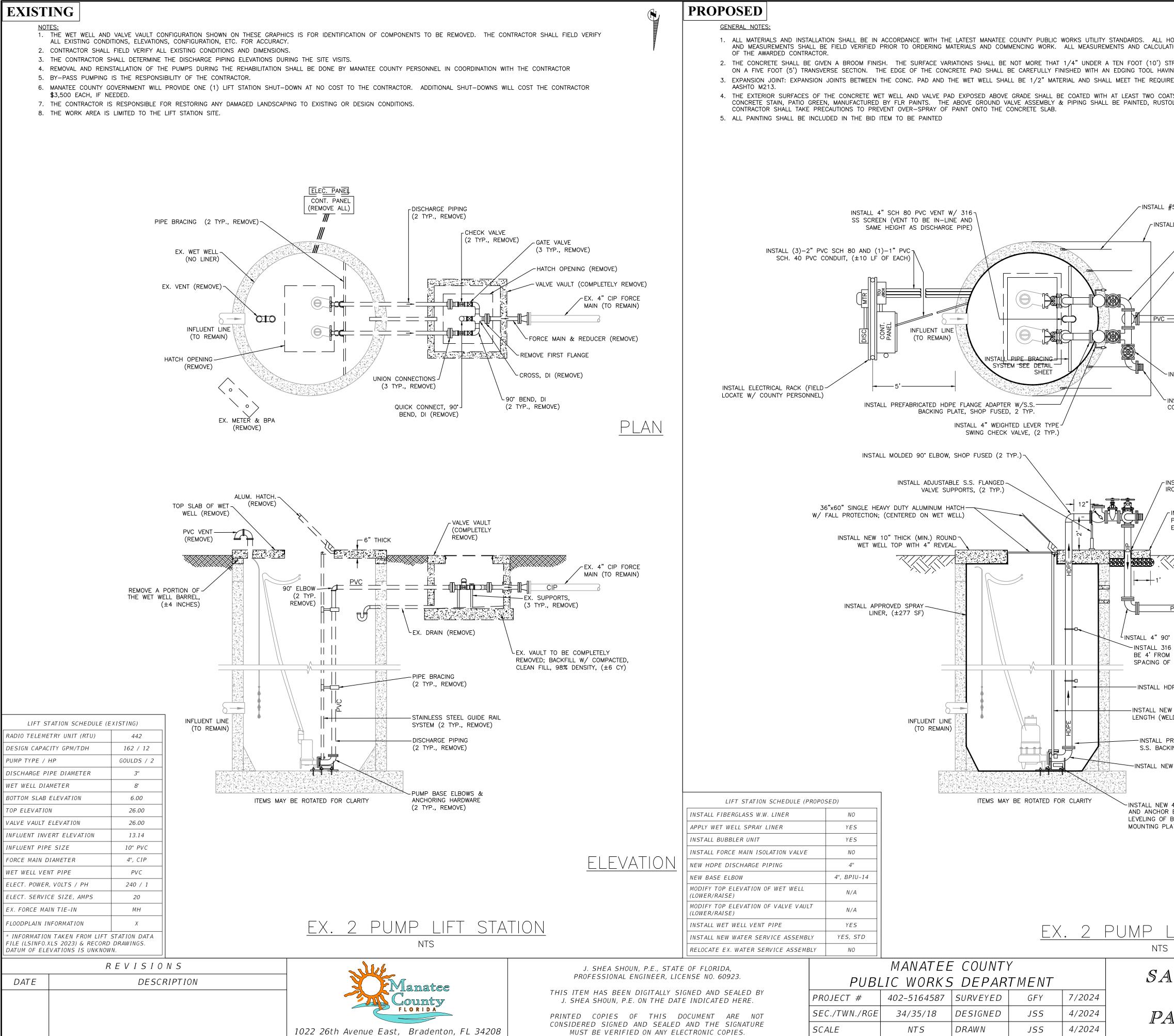
1022	26th	Avenue	East,	Bradenton,	FL	34208





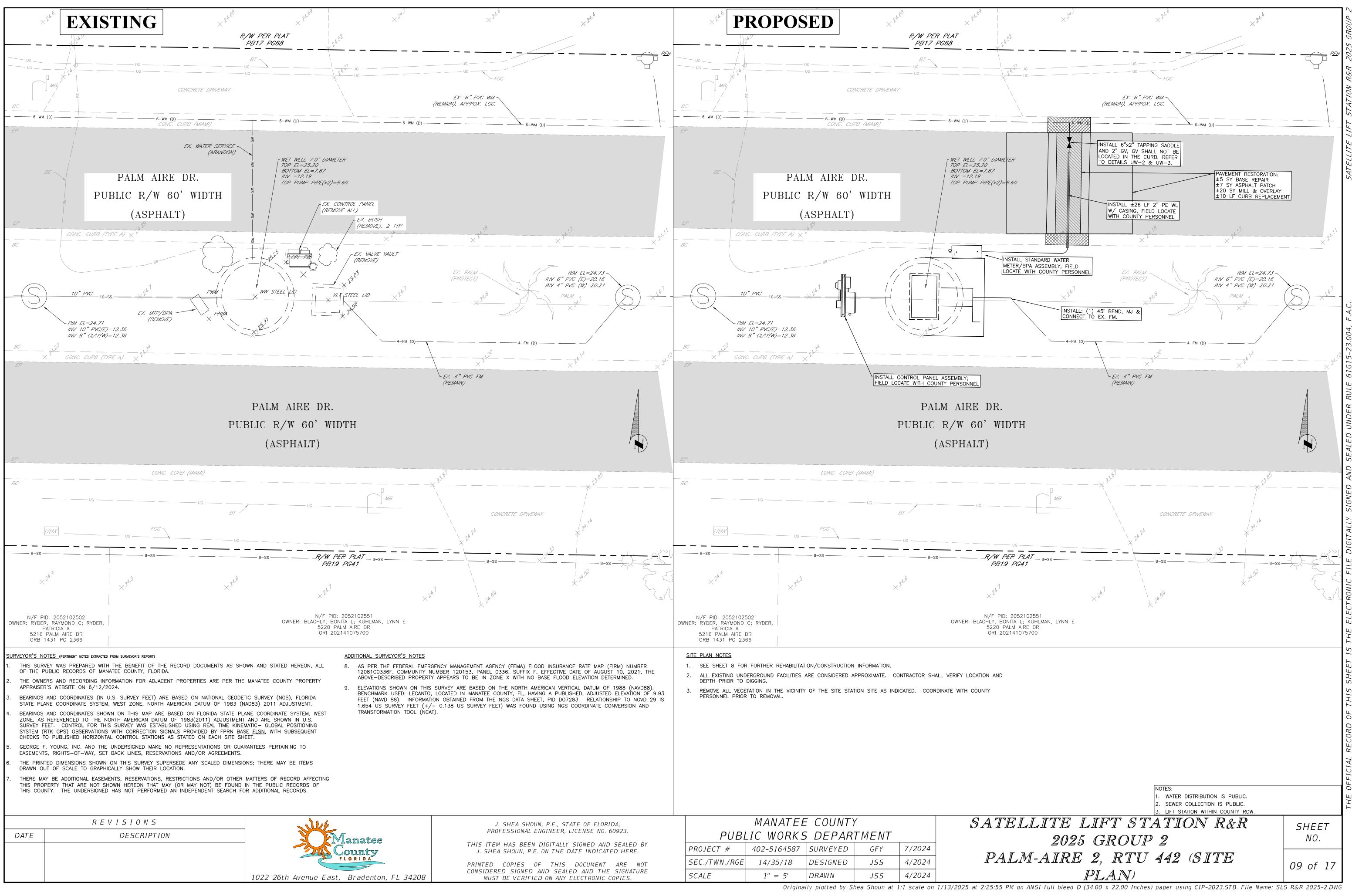
- ALL EXISTING CONDITIONS, ELEVATIONS, CONFIGURATION, ETC. FOR ACCURACY.

- \$3,500 EACH, IF NEEDED.

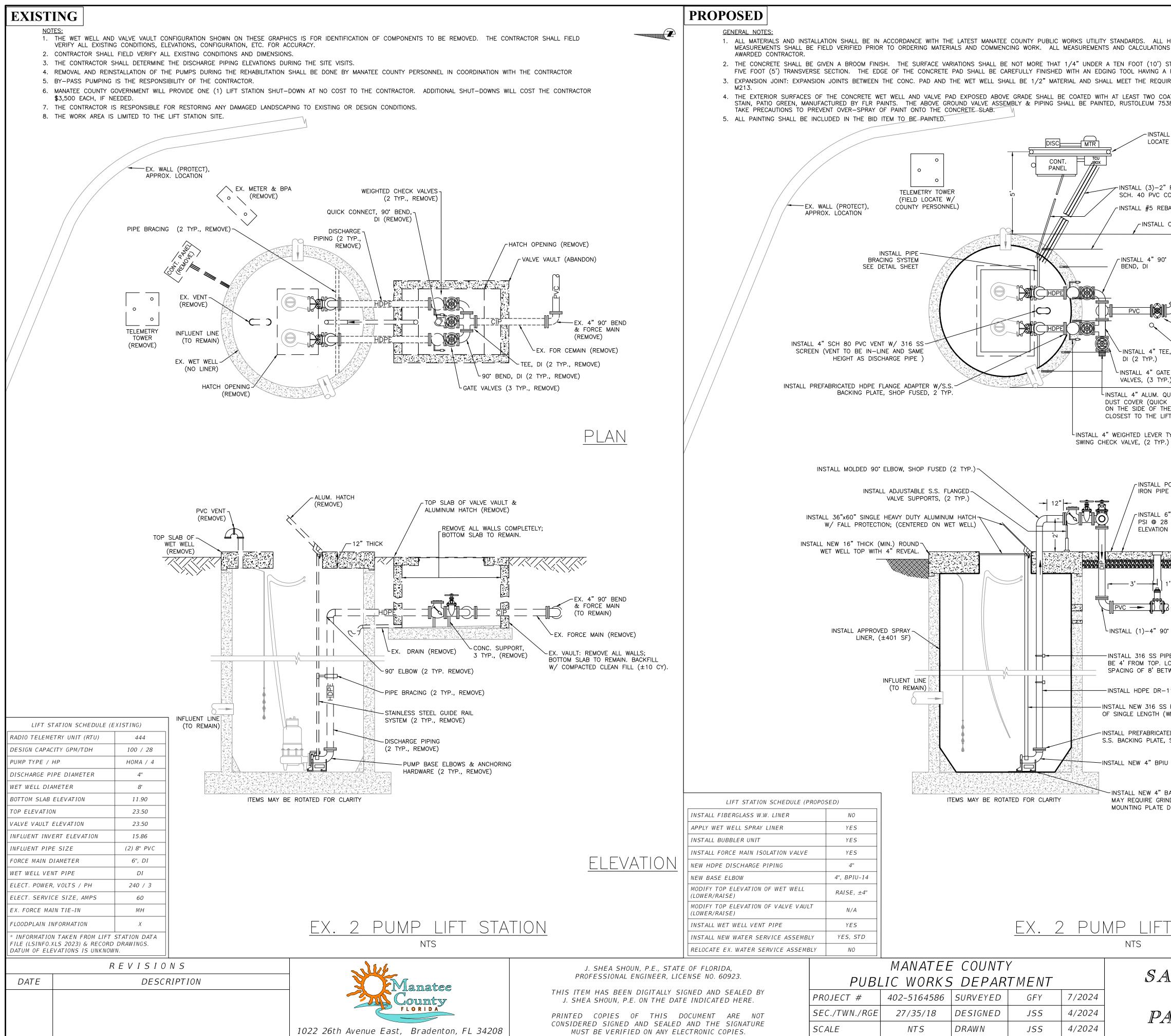


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V 316 SS PUMP GUIDE RAIL SYSTEM COMPOSED OF SINGLE LDED) 2" PIPES (2 TYP) REFABRICATED HDPE FLANGE ADAPTER W/ 316 ING PLATE, SHOP FUSED (2 TYP.)	
DPE DR-11 PIPE, (2 TYP.)	
DI BEND, MJ S SS PIPE BRACING SYSTEM, (2 MIN.). TOP BRACE TO TOP. LOWER BRACE TO BE 4' ABOVE BASE ELLS. MAX 8' BETWEEN BRACES. (SEE DETAIL SHEET)	
3' - INSTALL ±10 LF FORCE MAIN 8" PVC FM (TO REMAIN)	
INSTALL 6" THICK CONC. PAD, CLASS 1, 3,000 PSI @ 28 DAYS ON COMPACTED SOIL (TOP ELEVATION TO MATCH WET WELL RIM ELEVATION)	
ISTALL POLYETHYLENE WRAP WHERE DUCTILE ON PIPE IS ENCASED IN CONCRETE.	
connect with alum. Dust cover \underline{PLAN}	
NSTALL 4" GATE VALVES, (3 TYP.)	
CONNECT TO EX. 4" FM W/ 4" 45' BEND, MJ	INFORMATION.
-INSTALL ±10 LF 4" PVC FM EX. 4" FORCE MAIN (TO REMAIN)	 (±25 LF). 8. ABANDON EXISTING WATER SERVICE SADDLE AND CORPORATION AT MAIN; INSTALL A BRASS PLUG IN CORPORATION STOP. 9. SEE SHEET 9 FOR FURTHER REHABILITATION/CONSTRUCTION
,∕INSTALL 4"90° BEND, DI ,∕INSTALL 4"TEE, DI (2 TYP.)	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. ALL ITEMS SHALL BE FIELD LOCATE WITH MANATEE COUNTY PERSONNEL,
45 REBAR (6 TYP.) LL CONC. SLAB	 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.
	 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
	 INSTALLED BY DATA FLOW SYSTEMS (DFS) FOR WET WELL LEVEL CONTROL AND SHALL BE INCLUDED WITH THE CONTROL PANEL. INSTALL (2)-1φ TO 3φ CONVERTER IN CONTROL PANEL. AN ELECTRICAL SYSTEM STUDY, ELECTRICAL STUDY ANALYSIS, AND
EMENTS OF AASHTO M153 OR TS OF H & C SILICONE ACRYLIC DLEUM 7538 HUNTER GREEN.	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
ORIZONTAL AND VERTICAL DISTANCES FIONS SHALL BE THE RESPONSIBILITY FRAIGHTEDGE, NOT MORE THAN 1/8" NG A RADIUS OF 1/2".	 CONDUIT CAN BE LEFT IN PLACE AND USED. (±200 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.



22	26th	Avenue	East,	Bradenton,	FL	34208

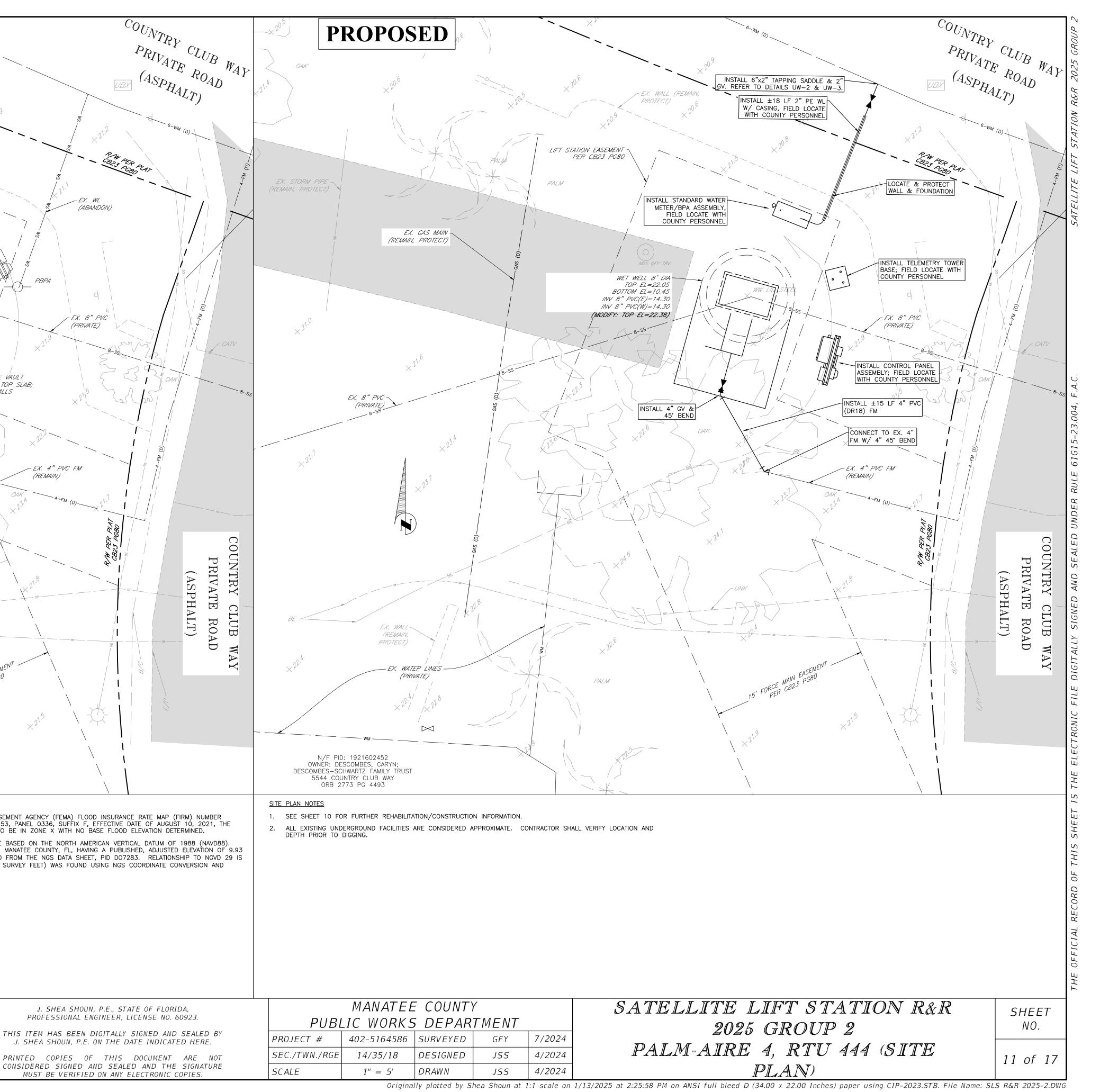


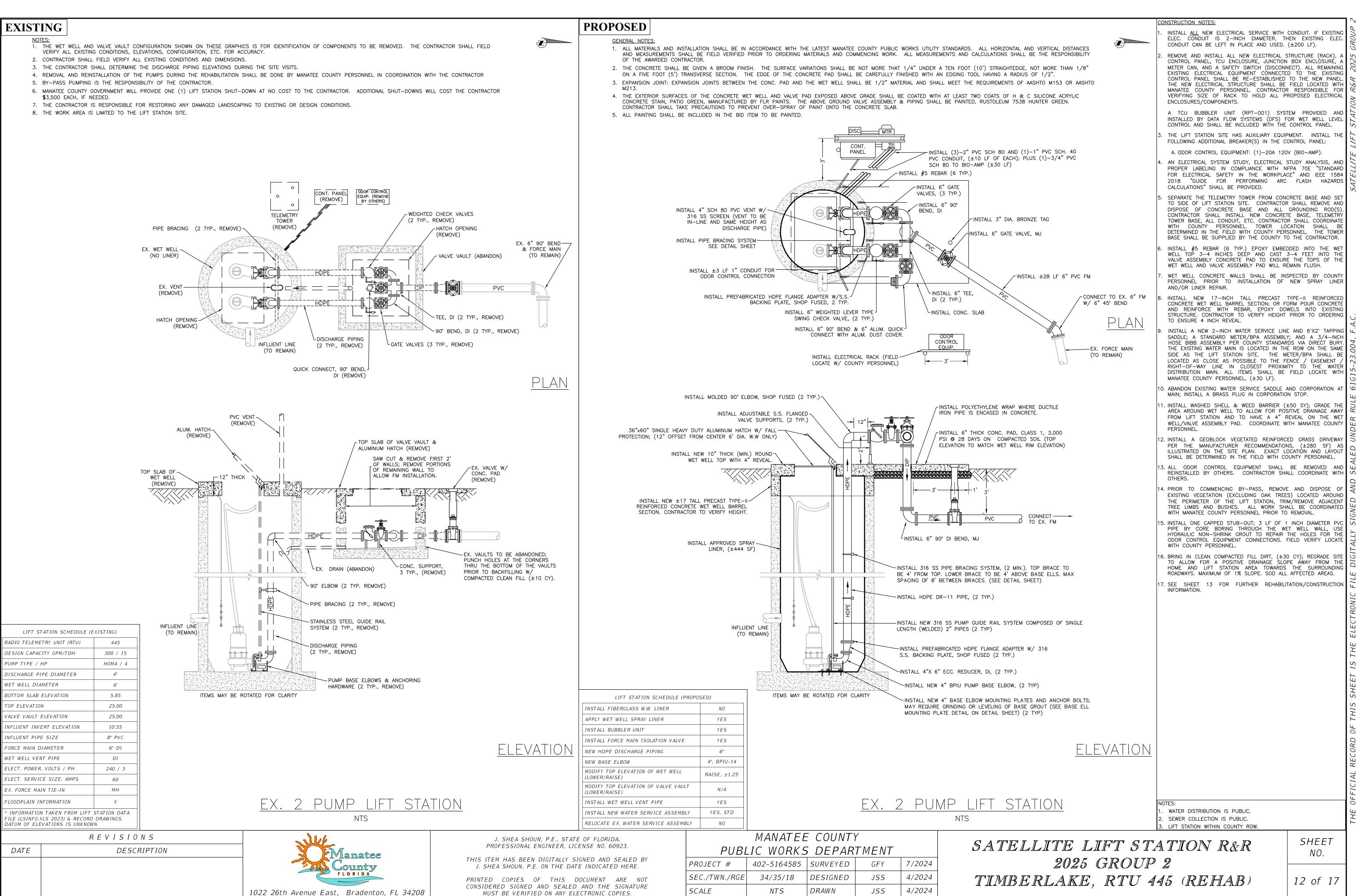
Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:25:56 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG

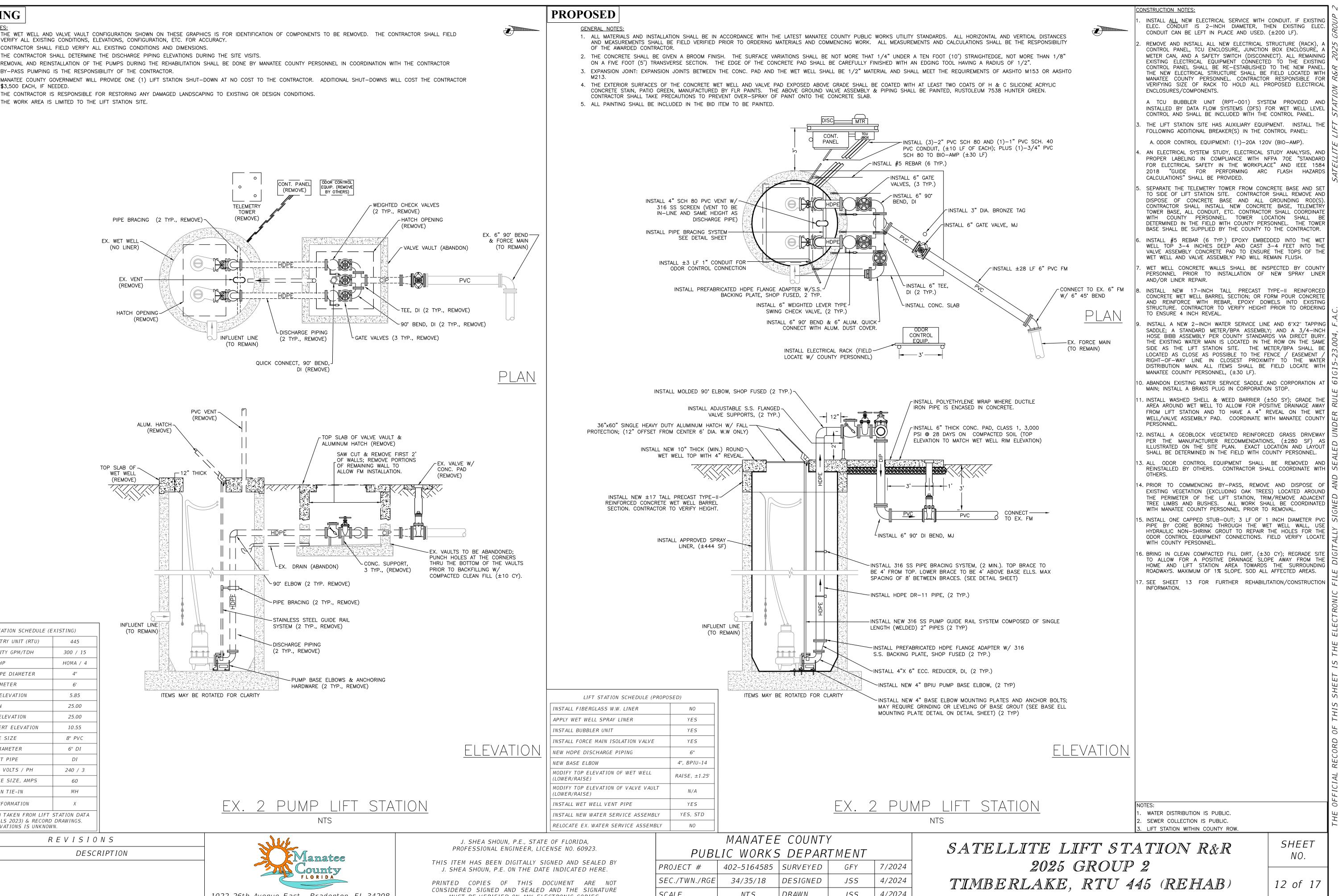
S. ALL HORIZONTAL AND VERTICAL DISTANCES AND CULATIONS SHALL BE THE RESPONSIBILITY OF THE	CONSTRUCTION NOTES: 1. INSTALL ALL NEW ELECTRICAL SERVICE WITH CONDUIT. IF EXISTING ELEC. CONDUIT IS 2-INCH DIAMETER, THEN EXISTING ELEC. CONDUIT CAN BE LEFT IN PLACE AND USED. (±200 LF). 2. REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK), A CONTROL DENDED TOUL FOR USED.
T (10') STRAIGHTEDGE, NOT MORE THAN 1/8" ON A HAVING A RADIUS OF 1/2". HE REQUIREMENTS OF AASHTO M153 OR AASHTO	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
TWO COATS OF H & C SILICONE ACRYLIC CONCRETE LEUM 7538 HUNTER GREEN. CONTRACTOR SHALL	A TCU BUBBLER UNIT (RPT-001) SYSTEM PROVIDED AND H INSTALLED BY DATA FLOW SYSTEMS (DFS) FOR WET WELL LEVEL
/ INSTALL ELECTRICAL RACK (FIELD LOCATE W/ COUNTY PERSONNEL)	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 "CLUDE FOR DEFEORMING ARC FLASH HAZARDS
L 4" 90°	 CALCULATIONS" SHALL BE PROVIDED. 5. 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. TOWER LOCATION SHALL BE DETERMINED IN THE FIELD WITH COUNTY PERSONNEL. THE TOWER BASE SHALL BE SUPPLIED BY THE COUNTY TO THE CONTRACTOR. 6. 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.
INSTALL ±15 LF 4" PVC FM	7. WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER AND/OR LINER REPAIR.
PVC INSTALL 4" GV, MJ & 4" 45" BEND, DI INSTALL 3" DIA. BRONZE TAG ALUM. QUICK CONNECT WITH ALUM. R (QUICK CONNECT SHALL BE PLACED DE OF THE WET WELL THAT IS D THE LIFT STATION DRIVEWAY/ACCESS)	 8. 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 SAME SIDE AS THE LIFT STATION SITE. 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, (±25 LF). 9. ABANDON EXISTING WATER SERVICE SADDLE AND CORPORATION AT MAIN; INSTALL A BRASS PLUG IN CORPORATION STOP. 10. SEE SHEET 11 FOR FURTHER REHABILITATION/CONSTRUCTION INFORMATION.
LEVER TYPE (2 TYP.)	
NSTALL POLYETHYLENE WRAP WHERE DUCTILE RON PIPE IS ENCASED IN CONCRETE. NSTALL 6" THICK CONC. PAD, CLASS 1, 3,000 PSI $@$ 28 DAYS ON COMPACTED SOIL (TOP ELEVATION TO MATCH WET WELL RIM ELEVATION) TO MATCH WET WELL RIM ELEVATION TO PACK TO PACK TO EXAMPLE TO BE A' ABOVE BASE ELLS. MAX TO PACK TO BEACE TO BE 4' ABOVE BASE ELLS. MAX F 8' BETWEEN BRACES. (SEE DETAIL SHEET) TO PE DR-11 PIPE, (2 TYP.) TO TO PACK TO PACK TO PACK TO PACK TO PACK TO PACK TO MATCH A 316 SS PUMP GUIDE RAIL SYSTEM COMPOSED ENGTH (WELDED) 2" PIPES (2 TYP)	
FABRICATED HDPE FLANGE ADAPTER W/ 316 G PLATE, SHOP FUSED (2 TYP.)	
4" BPIU PUMP BASE ELBOW, (2 TYP)	
NEW 4" BASE ELBOW MOUNTING PLATES AND ANCHOR BOLTS; UIRE GRINDING OR LEVELING OF BASE GROUT (SEE BASE ELL & PLATE DETAIL ON DETAIL SHEET) (2 TYP)	
<u>ELEVATION</u>	
LIFT STATION	NOTES: 1. WATER DISTRIBUTION IS PUBLIC. 2. SEWER COLLECTION IS PUBLIC. 3. LIFT STATION WITHIN COUNTY ROW.
SATELLITE LIFT ST.	ATTON R&R SHEET
2025 GROUP PALM-AIRE 4, RTU 4	

~ 20.5	EXISTING		~ ~ × ^{2°}		^{3~} W _M (0)
		×2 ^{0.6}		EX. 6" WATER MAIN -/ (REMAIN)	
~ 04 ~ 21 ^{.4}	4 <i>K</i> × 2 ^{0.6}		×2 ^{0.6}		
×	×* (×20-5	×	PROTECT)	<u> </u>
			×2 ^{0.9}	×′	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	×	Pauma Pauma	LIFT STATION EASEMENT PER CB23 PG80		×2 ^{0.8}
	RM PIPE		PALM	ex. telemetry	
(REMAIN, F				TOWER (REMOVE)	
	EX. GAS MAIN (REMAIN, PROTECT			EX. CONTROL PANEL, ETC (REMOVE)	
		eas (p)	/	NDS GFY TRV	
		Ŏ	TOP	WELL 8' DIA P EL=22.05	www.lid.steet
			INV 8" PV	M EL = 10.45 $C(E) = 14.30$ $C(W) = 14.30$	18/55 /
×	2 ^{1.0}		JA-A	8-55	27.08
	× ^{2^{1.6}}		+ T		× /
		8-55	× 22.3	7220	EX. VALVE V (REMOVE TO & ALL WALL
	EX. 8" PVC (PRIVATE) 8-55	CAS (D)		VLT LID STEEL	
		2 ^{23.4}		× 22.6 × 22 × 22	.5
>	< ^{2^{1.1}}				BE
	$\times 2^{3.1}$		tt?		41
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		GAS (D)	A BL	\times \times $2^{k^{1}}$	\checkmark
		67	\bigwedge \times 2 ^{4.6}		
	38	- BE - 38			
BE		/ / × 22.8			bn
	EX. WALL (REMAIN, PROTECT)		(×22.6		<u>р</u> за
$ imes^{2^{2^{l}}}$	EX. WATER LINES (PRIVATE)				FASENEI
			PALM		15' FORCE MAIN EASEMEI PER CB23 PG80
	× ^{2µ} / /× ^{2µ} .				
	₩M ——— ₩M ——— ———		1		2 ^{1.9}
DE	N/F PID: 1921602452 OWNER: DESCOMBES, CARYN; SCOMBES–SCHWARTZ FAMILY TRUST 5544 COUNTRY CLUB WAY				
	ORB 2773 PG 4493			ADDITIONAL SURVEYOR'S N	
1. THIS SUR	VEY WAS PREPARED WITH THE BENEFIT OF THE PROMINENT OF THE PREPARED WITH THE BENEFIT OF THE PUBLIC RECORDS OF MANATEE COUNTY, FLORE		OWN AND STATED HEREON, A	ALL 8. AS PER THE FEDERA 12081C0336F, COMM	
APPRAISEI	ERS AND RECORDING INFORMATION FOR ADJA R'S WEBSITE ON 6/12/2024. AND COORDINATES (IN U.S. SURVEY FEET) A			9. ELEVATIONS SHOWN (BENCHMARK USED: L	ON THIS SURVEY ARE E ECANTO, LOCATED IN M
STATE PL/ 4. BEARINGS	ANE COORDINATE SYSTEM, WEST ZONE, NORTI AND COORDINATES SHOWN ON THIS MAP AR REFERENCED TO THE NORTH AMERICAN DATI	H AMERICAN DATUM OF 1983 (N E BASED ON FLORIDA STATE PL	NAD83) 2011 ADJUSTMENT. ANE COORDINATE SYSTEM, W	1.654 US SURVEY FE	IFORMATION OBTAINED F EET (+/– 0.138 US SI DL (NCAT).
SURVEY F SYSTEM (EET. CONTROL FOR THIS SURVEY WAS ESTA RTK GPS) OBSERVATIONS WITH CORRECTION S TO PUBLISHED HORIZONTAL CONTROL STATION	BLISHED USING REAL TIME KINE SIGNALS PROVIDED BY FPRN BA	MATIC- GLOBAL POSITIONING SE <u>FLSN</u> , WITH SUBSEQUENT		
EASEMENT	F. YOUNG, INC. AND THE UNDERSIGNED MAKE 'S, RIGHTS-OF-WAY, SET BACK LINES, RESER	VATIONS AND/OR AGREEMENTS.			
DRAWN O	TED DIMENSIONS SHOWN ON THIS SURVEY SU UT OF SCALE TO GRAPHICALLY SHOW THEIR I AY BE ADDITIONAL EASEMENTS, RESERVATIONS	LOCATION. , RESTRICTIONS AND/OR OTHER	MATTERS OF RECORD AFFEC		
	PERTY THAT ARE NOT SHOWN HEREON THAT NTY. THE UNDERSIGNED HAS NOT PERFORM				
	REVISIONS] (
DATE	DESCRIPTI	ON		Manatee	Т
				FLORIDA	P

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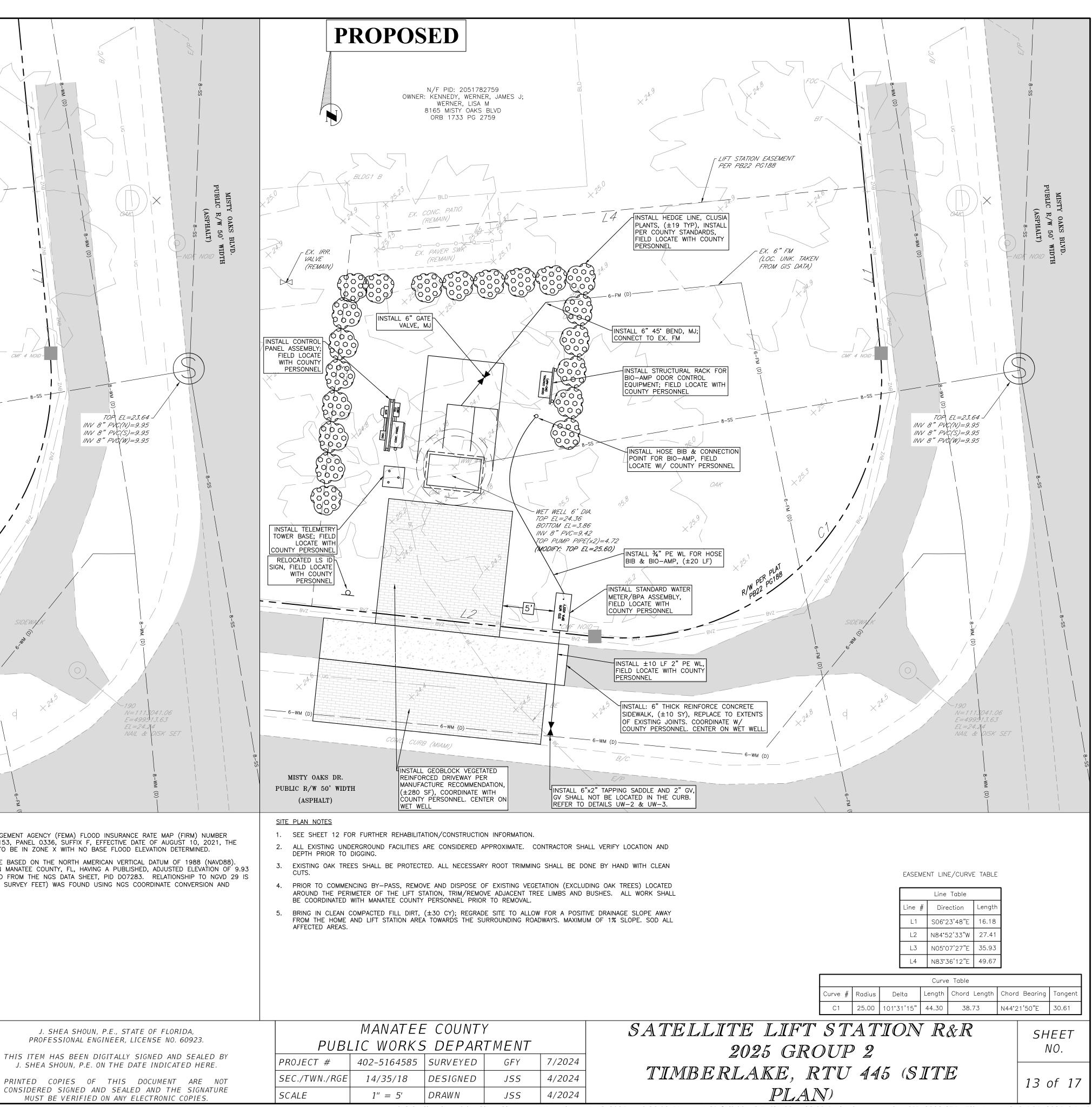




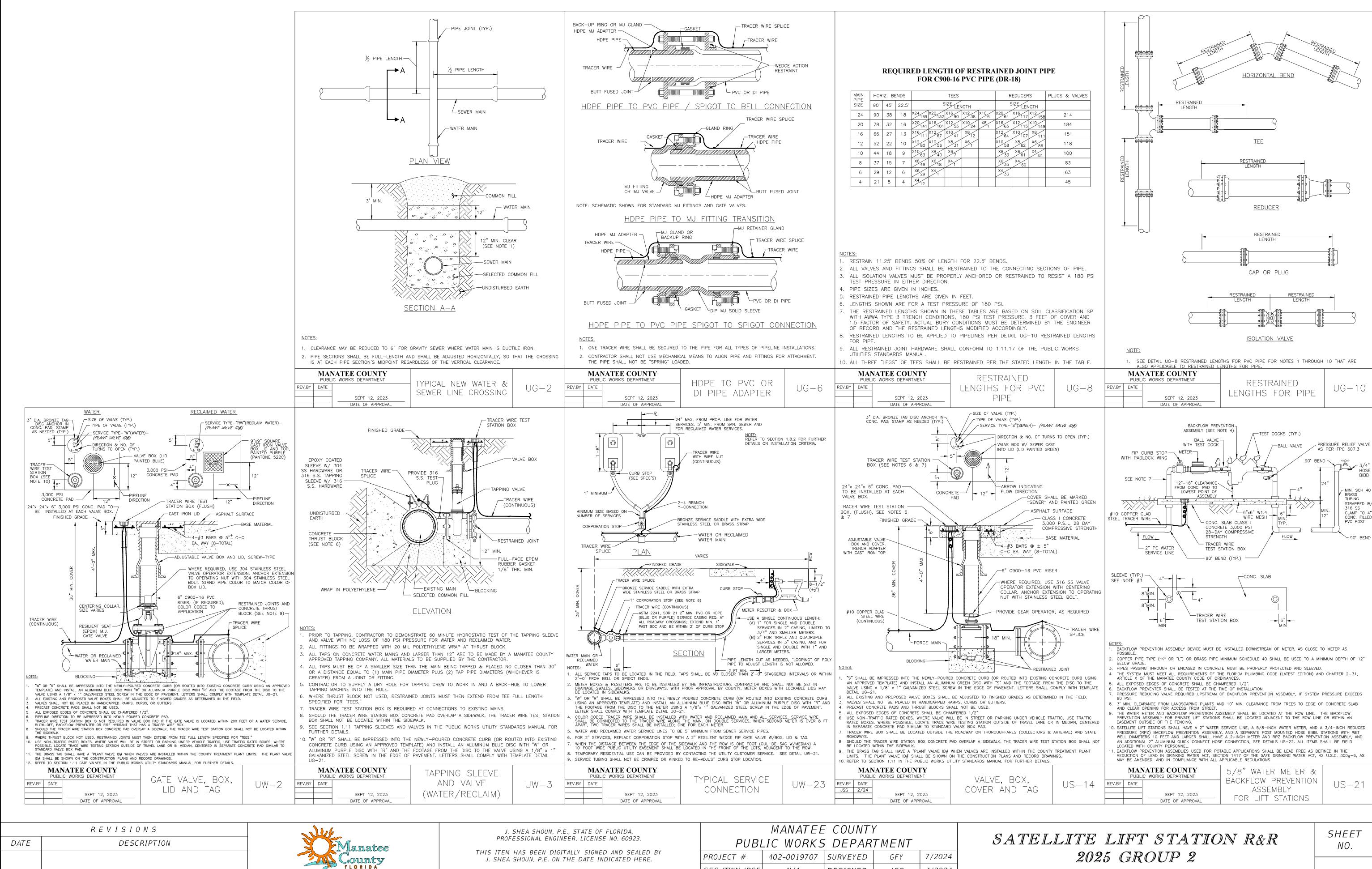


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	EXISTI	NG			
	OWNI	N/F PID: 2051782759 ER: KENNEDY, WERNER, JAMES J; WERNER, LISA M 8165 MISTY OAKS BLVD ORB 1733 PG 2759	BLD	× 2 ^{4.9}	FOC PA.8 BT
×2 ^{5.0}	BLDG1 B 24.9 01 EX.	BLD	×2 ^{5.0}		T STATION EASEMENT R PB22 PG188 A.9
/ <i>∨</i> ,	$\begin{array}{c c} X. & IRR. \\ AL VE \\ REMAIN) \\ \end{array}$	C C C C C C C C C C C C C C C C C C C	$2^{2^{4.9}}$ × $2^{4.9}$		- EX. 6" FM (LOC. UNK. TAKEN FROM GIS DATA)
7 \		K ²³	CAR HE	x. VEGETATED EDGE, REMOVE ALL	6-FM (D)
EQUII (RELOCATE X EX. CONTR	DOR CONTROL P (BIO-AMP) BY OTHERS)	2445_{18} 2^{h}	×25.4 ×25.4 	8- 	ss × 2 ^{5,1}
EX. TEL TOWER (1	LEMETRY REMOVE) X29 X29 X29 X29 X29 X29 X29 X29 X29 X29		6 VET WELL 6' DIA. DP EL=24.36 BOTTOM EL=3.86 NV 8" PVC=9.42 DP PUMP PIPE(x2)=4.72	одк ×25.9 <	6-FN (D)
× V	WATER SERVICE 5 (LOC UNK.)	LS RTU ID SIGN 4.5 (RELOCATE)	CMF NOID-7	0,2 DVZ BVZ	×25.1 R/W PER pG188 R/PB22 BVZ
 ~ 6-₩Μ ([6- UG	C. SIDEWALK VE), (±10 SY)	THE YU.S	6	6-FM (D)
		6-WM (D)	б-WM (D)	× ^{2^{4.0}}	- 6-WM (D)
PUBLIC R, (AS	OAKS DR. /W 50' WIDTH PHALT)		E/P		
 THIS SUR OF THE F THE OWNI APPRAISEI BEARINGS STATE PL BEARINGS ZONE, AS 	PUBLIC RECORDS OF MANATEE CO ERS AND RECORDING INFORMATION R'S WEBSITE ON 6/12/2024. AND COORDINATES (IN U.S. SUR ANE COORDINATE SYSTEM, WEST 2 AND COORDINATES SHOWN ON T REFERENCED TO THE NORTH AM	NEFIT OF THE RECORD DOCUMENTS A	R THE MANATEE COUNTY PRO GEODETIC SURVEY (NGS), FLC 83 (NAD83) 2011 ADJUSTME TE PLANE COORDINATE SYSTE TMENT AND ARE SHOWN IN 1	CON, ALL 8. AS PER 12081COL ABOVE-D 9. ELEVATION BENCHMA DRIDA FEET (NA ENT. 1.654 US EM, WEST TRANSFOL U.S.	IRVEYOR'S NOTES THE FEDERAL EMERGENCY MANAGE 336F, COMMUNITY NUMBER 12015 ESCRIBED PROPERTY APPEARS TO NS SHOWN ON THIS SURVEY ARE RK USED: LECANTO, LOCATED IN N VD 88). INFORMATION OBTAINED S SURVEY FEET (+/- 0.138 US S RMATION TOOL (NCAT).
SYSTEM (CHECKS 1 5. GEORGE F EASEMENT 6. THE PRIN DRAWN OU 7. THERE MA	RTK GPS) OBSERVATIONS WITH CO TO PUBLISHED HORIZONTAL CONTR T. YOUNG, INC. AND THE UNDERS TS, RIGHTS-OF-WAY, SET BACK LI TED DIMENSIONS SHOWN ON THIS JT OF SCALE TO GRAPHICALLY SH AY BE ADDITIONAL EASEMENTS, RE	ORRECTION SIGNALS PROVIDED BY FPR COL STATIONS AS STATED ON EACH SI GNED MAKE NO REPRESENTATIONS OF NES, RESERVATIONS AND/OR AGREEME SURVEY SUPERSEDE ANY SCALED DIM	N BASE <u>FLSN</u> , WITH SUBSEQ TE SHEET. C GUARANTEES PERTAINING TO ENTS. MENSIONS; THERE MAY BE IT THER MATTERS OF RECORD	QUENT O EMS AFFECTING	
	REVIS	1 0 N S		166	
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					– <i>P</i>



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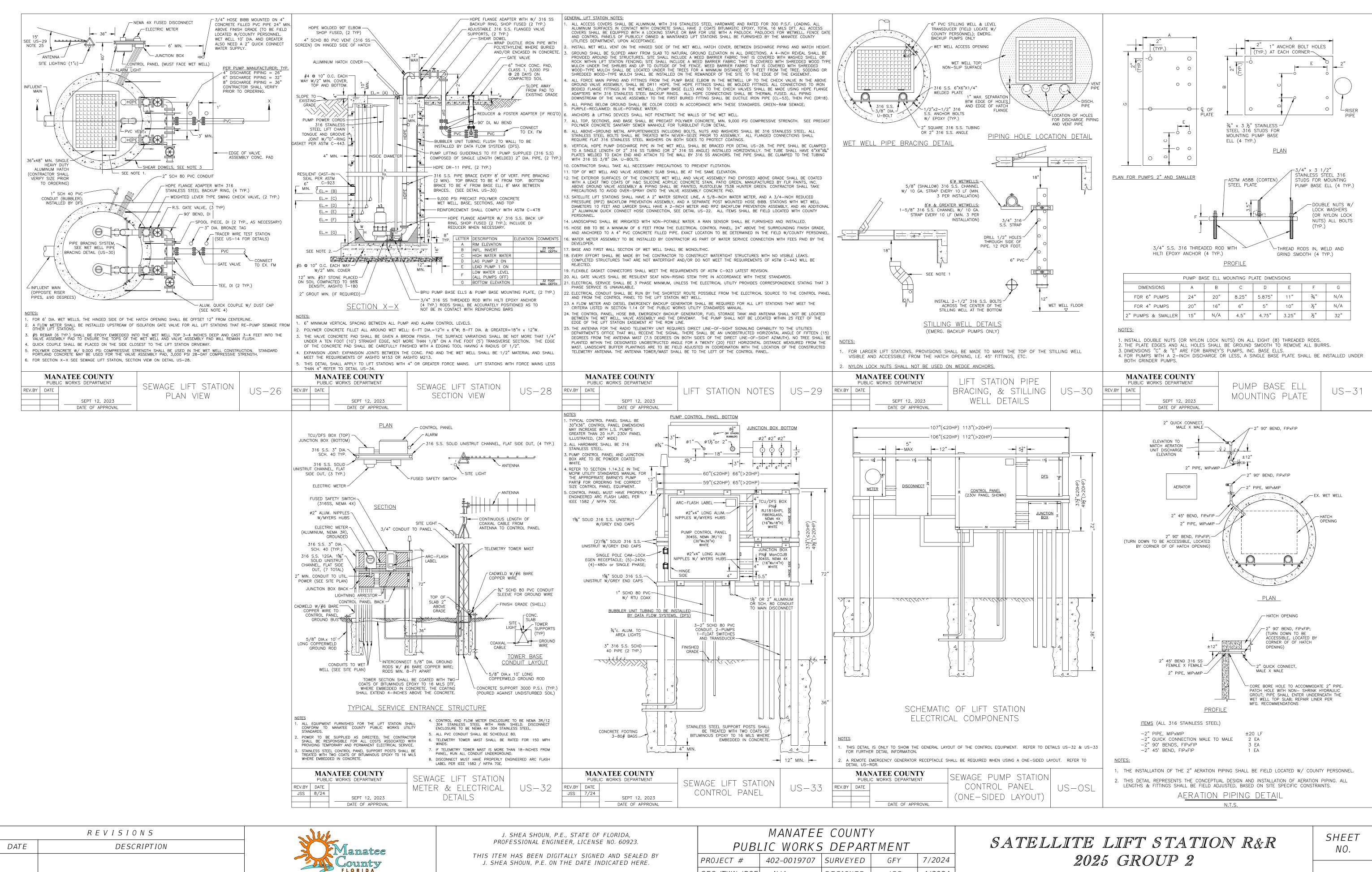
J. SHEA SHOUN, P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 60923.	MANATEE COUNTY					SA
	PUBLIC WORKS DEPARTMENT					
HIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY J. SHEA SHOUN, P.E. ON THE DATE INDICATED HERE.	PROJECT #	402-0019707	SURVEYED	GFY	7/2024	
RINTED COPIES OF THIS DOCUMENT ARE NOT	SEC./TWN./RGE	N/A	DESIGNED	JSS	4/2024	
NSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	SCALE	SEE PLANS	DRAWN	JSS	4/2024	
		Origina	Il a stated by C	has Chause at 1	1.1	1/12/2025 -+ 2.26.

Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:26:04 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG



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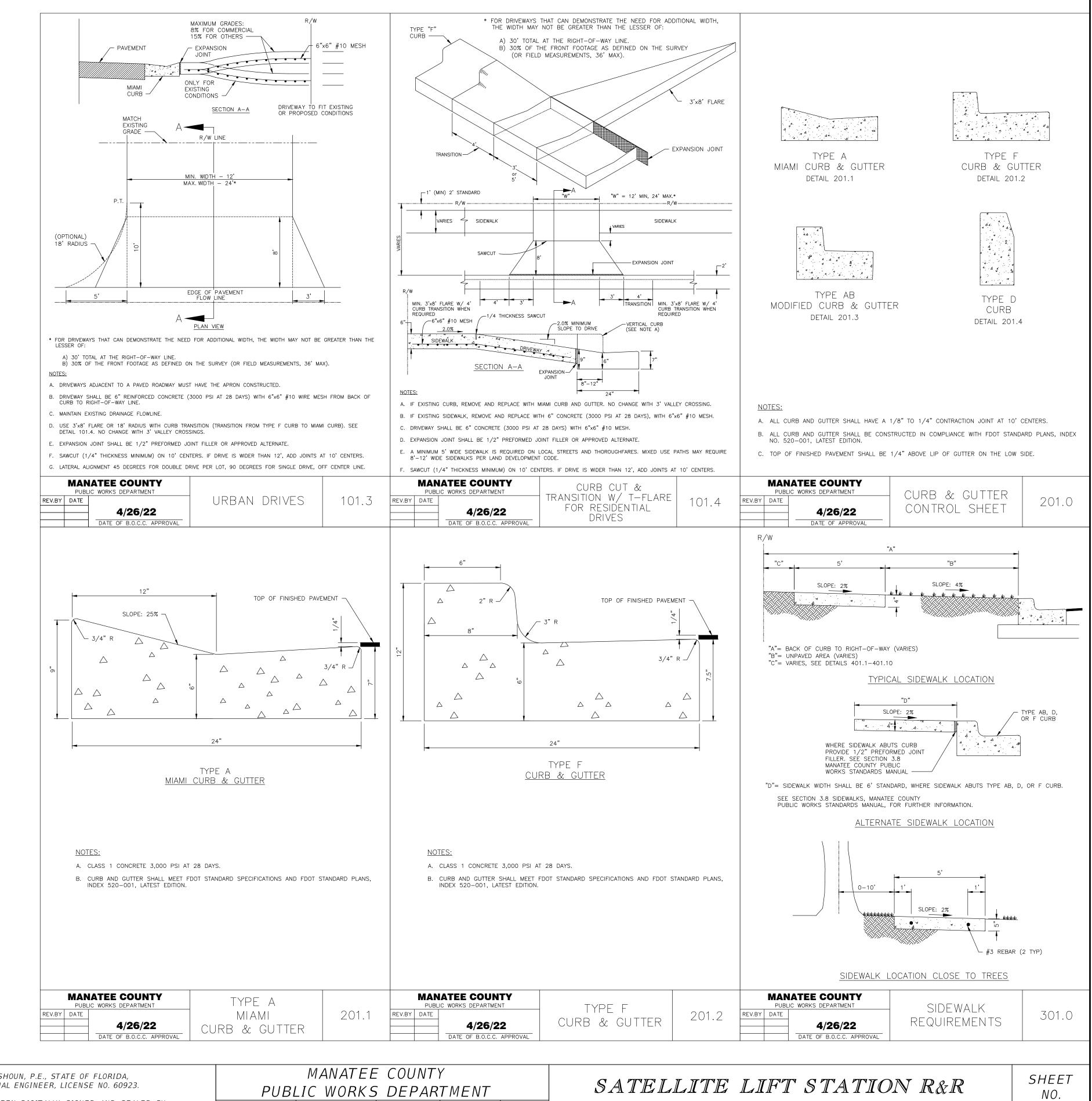
1022	26th	Avenue	East,	Bradenton,	FL	34208		

J. SHEA SHOUN, P.E., STATE OF FLORIDA,						
PROFESSIONAL ENGINEER, LICENSE NO. 60923.	PUBLIC WORKS DEPARTMENT					SA
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY J. SHEA SHOUN, P.E. ON THE DATE INDICATED HERE.	PROJECT #	402-0019707	SURVEYED	GFY	7/2024	
PRINTED COPIES OF THIS DOCUMENT ARE NOT	SEC./TWN./RGE	N/A	DESIGNED	JSS	4/2024	
CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	SCALE	SEE PLANS	DRAWN	JSS	4/2024	
		Origina	lly plotted by S	hea Shoun at 1	:1 scale on	1/13/2025 at 2.26

DETAILS2

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	REVISIONS	- 1144	J. SHEA SHOUN, P.E., STATE OF FLORIDA,	MANATEE COUNTY					
DATE	DESCRIPTION	Manatee	PROFESSIONAL ENGINEER, LICENSE NO. 60923.	PUBL	IC WORKS	5 DEPAR	TMENT	SA	
		County	THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY J. SHEA SHOUN, P.E. ON THE DATE INDICATED HERE.	PROJECT #	402-0019707	SURVEYED	GFY	7/2024	
		FLORIDA	PRINTED COPIES OF THIS DOCUMENT ARE NOT	SEC./TWN./RGE	N/A	DESIGNED	JSS	4/2024	
		1022 26th Avenue East, Bradenton, FL 34208	CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	SCALE	SEE PLANS	DRAWN	JSS	4/2024	

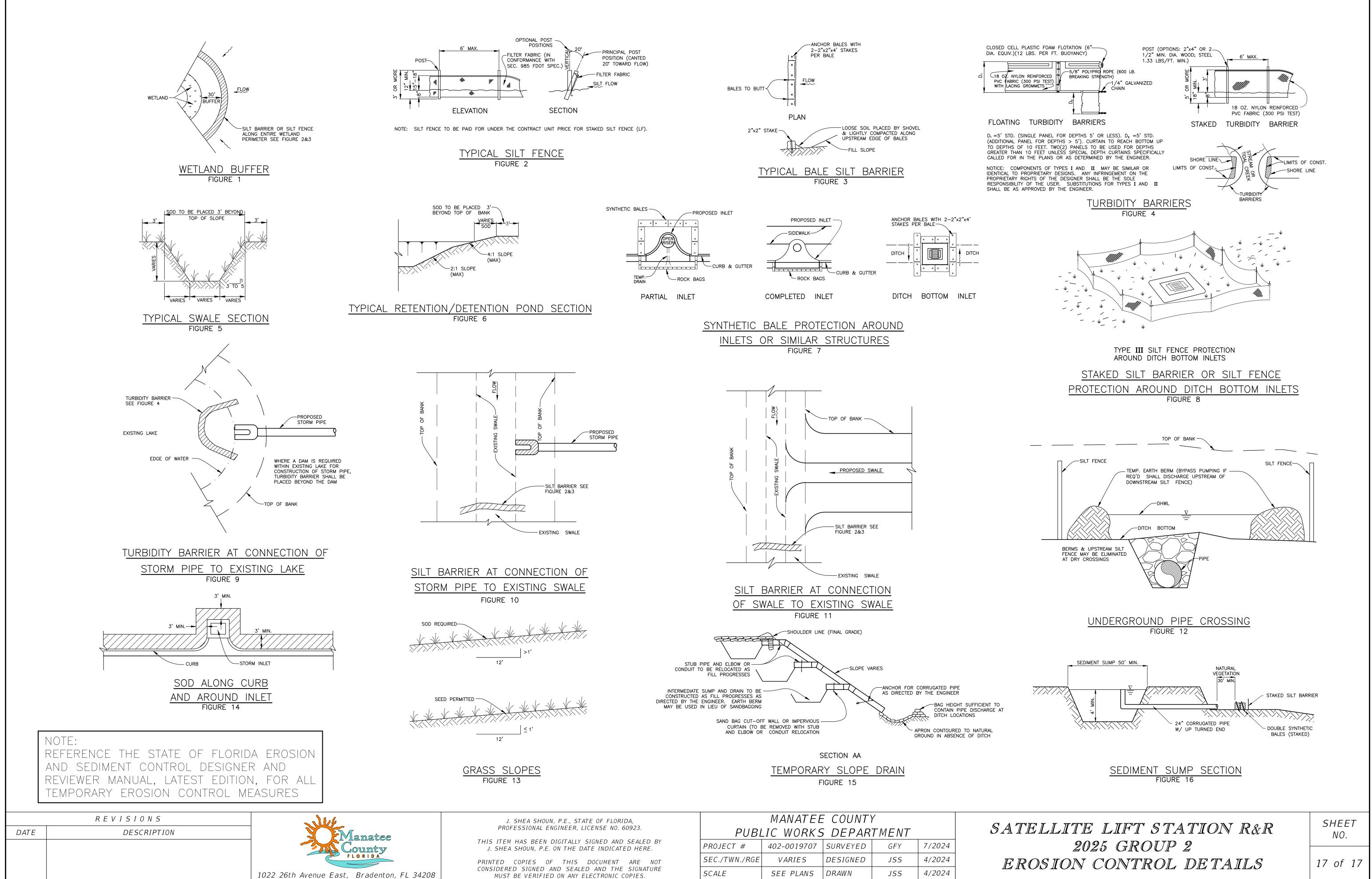


Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:26:07 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG

2025 GROUP 2

DE TAILS 3

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Originally plotted by Shea Shoun at 1:1 scale on 1/13/2025 at 2:26:08 PM on ANSI full bleed D (34.00 x 22.00 Inches) paper using CIP-2023.STB. File Name: SLS R&R 2025-2.DWG