# SATELLITE LIFT STATION R&R COLONY COVE 6 & MEMPHIS RD

### PROJECT DESCRIPTION

SEWAGE LIFT STATIONS AND/OR MANHOLES HEALTH AND ENVIRONMENTAL POLLUTION. THE WORK SHALL REPLACEMENT OF DISCHARGE BRACINGS, BASE ELLS, AND/OR MAY NEED TO BE INSTALLED, REPAIRED OR REPLACED. SEE INDIVIDUAL PLAN WFII LINFR SHEETS FOR SPECIFIC REHABILITATION AND INSTALLATIONS REQUIREMENTS FOR EACH STATION.

REINFORCED CONCRETE PADS SHALL BE CONSTRUCTED TO SUPPORT THE ODOR CONTROL EQUIPMENT. THE EQUIPMENT SHALL BE INSTALLED BY OTHERS.

COLONY COVE 6 SHALL HAVE THE EXISTING EMERGENCY GENERATOR & AUTOMATIC TRANSFER SWITCH (ATS) REMOVED AND REPLACED WITH AN EMERGENCY BACKUP PUMP.

ALL SATELLITE LIFT STATION SHALL REQUIRE AN ELECTRICAL SYSTEM STUDY & ELECTRICAL STUDY ANALYSIS - "ARC FLASH" - (NFPA 70E) TO BE PERFORMED BY THE FOLLOWING COMPANY:

ROZEL, LLC JOE WEISSENBURGER jw@70eConsultants.com (515) 344–3457

THE CONTRACTOR SHALL COORDINATE AND PROVIDE SUFFICIENT ON-SITE DATA AND ACCESS FOR THE STUDY/ANALYSIS TO BE COMPLETED TO THE SATISFACTION OF ROZEL, LLC AND THE COUNTY.

L.S. NAME	RTU	ADDRESS	PROJECT NUMBER	INFLUENT MH
COLONY COVE 6	522	162 COLONY COVE DRIVE N., ELLENTON FL	404-6005686	PUBLIC
MEMPHIS ROAD	534	1721 17TH STREET EAST, PALMETTO FL	404-6061082	PUBLIC



May 2021

(522) HILLSBOROUGH COUNTY 534 LAKE PARRISH MANATEE RIVER - MARY ... LAKE MANATEI SOLA BAY 64 and the 8 -(64) DEE SARASOTA COUNTY (780) -SARASOTA COUNTY

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Know what's below Call before you dig



PUBLIC WORKS DEPARTMEN ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208

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# **BID PLANS**

GENERAL
<ol> <li>ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: ANTHONY BENITEZ, P.E. AND CAN BE REACHED AT 941-708-7450, x7333.</li> </ol>
<ol> <li>SITE VISITS ARE MANDATORY FOR ALL BIDDERS.</li> <li>ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION</li> </ol>
STANDARDS AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 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, ANE 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 THE OWNER.
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 BASED.
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.
<u>SAFETY</u> 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90–96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1,
<ol> <li>THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SALETT ACT, 30–30, DAWS 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.</li> <li>THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA</li> </ol>
REQUIREMENTS.
<ol> <li>THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC</li> <li>THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.</li> </ol>
ENVIRONMENTAL
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
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.
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 WITHIN THREE (3) DAYS OF EXCAVATION.
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.
<u>RIGHT-OF-WAY</u> 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, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. 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.
UTILITIES
29. 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.
30. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OF REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COS TO THE OWNER.
31. 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 THI 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.
32. 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 SECTION 02720.
33. ALL WATER SERVICES TO BE INSTALLED OR MODIFIED ON PRIVATE PROPERTY SHALL REQUIRE A PLUMBING PERMIT;
NO. REVISION DESCRIPTION BY DATE

### **SATELLITE LIFT STATION R&R COLONY COVE 6 & MEMPHIS RD GENERAL NOTES & LEGEND**

LEVEL "B" -DESIGNATED BY GPR OR FLAGGING (HORIZONTAL) LEVEL "C" -SURFACE VISIBLE FEATURES SURVEY

EXISTING UTILITY LOCATIONS 63. THE FOLLOWING IDENTIFIES THE QUALITY LEVEL OF EXISTING UTILITY LINEWORK ON PLANS.

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

HORIZONTAL AND VERTICAL INSTALLED LOCATION OF ALL NEW PIPELINE, FITTINGS, VALVES AND FORCE MAIN 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.

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 14 SHALL BE STRICTLY ENFORCED. A COPY OF SECTION 14 WILL BE PROVIDED UPON REQUEST. 62. THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS OF THE WORK AS CONSTRUCTED. AS-BUILT DRAWINGS SHALL INCLUDE THE LOCATION OF

59. 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.

58. 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 PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE.

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

61. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS IN ACCORDANCE WITH SECTION 14 IN THE CURRENT MANATEE COUNTY UTILITY STANDARDS AT NO COST

ABANDONED FORCE MAIN 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

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

WATER MANAGER, HELPLINE, CUSTOMER SERVICE, AND THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT. 57. ALL NEW PIPE LINES SHALL BE PIG CLEANED (4" AND LARGER), FLUSHED, PRESSURE TESTED, DISINFECTED AND CERTIFIED PRIOR TO TIE-INS TO

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,

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

54. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS 55. 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. 56. 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,

REQUIREMENTS AS SHOWN ON THE DETAIL SHEETS. 51. 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. 52. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR

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

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

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

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

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

44. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES. 45. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA.

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

47. 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

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

42. 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.

CONSTRUCTION 41. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S

SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS.

INITIAL OPEN CUTTING. 40. 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.

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

BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY-ONE CALENDAR DAYS AFTER THE

38. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T.

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

### E. CONTRACTOR SHALL COORDINATE WITH COUNTY CROSS CONNECTION STAFF & PRIVATE PROPERTY OWNER AS REQUIRED. CROSS CONNECTION STAFF SHALL DETERMINE WHICH PROPERTIES REQUIRE A BPA & TYPE TO BE INSTALLED.

D. VACUUM BREAKERS SHALL BE INSTALLED ON ALL HOSE BIBBS.

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

A. THE CONTRACTOR'S PLUMBER SHALL INSTALL A REDUCED PRESSURE (RP) TYPE BACKFLOW PREVENTION ASSEMBLIES (BPA'S) EQUIPPED WITH A

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

PRESSURE RELIEF VALVE AT THE POTABLE WATER METER WHENEVER ANY OF THE FOLLOWING CONDITIONS EXIST AT A PROPERTY:

IN-GROUND IRRIGATION SYSTEM

• SOLAR WATER HEATING SYSTEM,

• MULTISTORY OR MULTIFAMILY RESIDENTIAL FACILITY.

37. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513.

NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.

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

• SWIMMING POOL

• FIRE SPRINKLER SYSTEM,

CONTROL STAFF AS REQUIRED.

CONNECTION.

FITTINGS.

ENGINEER.

• SECONDARY SOURCE OF WATER (I.E. RECLAIMED WATER OR WELL),

•FLOOD ZONE DESIGNATION, (IF ONLY FLOOD ZONE; INSTALL DOUBLE CHECK BPA)

• PROPERTY THAT ABUTS OR INCLUDES A BODY OF WATER (INCLUDING RIVER, BAY, LAKE OR POND),

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

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

35. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED

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.

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

MAINTENANCE OF TRAFFIC

MEETING.

INDICES ARE CONCEPTUAL.

IN THE COST OF PIPE.

SEPARATE PAYMENT.

FDOT STANDARD INDEX 600.

64. 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.

65. 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

66. THE CONTRACTOR SHALL USE, BUT ARE NOT LIMITED TO, FDOT INDICES 415, 600, 615, 616, AND 621. THE RECOMMENDED FDOT DESIGN STANDARD

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

68. MOTORIZED AND MECHANICAL EQUIPMENT SHALL BE EFFECTIVELY SHIELDED, PADDED, OR LOCATED TO MINIMIZE NOISE.

69. 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.

70. ACCESS TO ALL SIDE STREETS AND DRIVEWAYS MUST BE PROVIDED AND MAINTAINED DURING CONSTRUCTION.

71. 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.

72. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO WORKING NEAR THEIR EXISTING FACILITIES.

73. CONSTRUCTION SEQUENCES SHALL BE COORDINATED TO PROVIDE POSITIVE DRAINAGE OF THE TRAVELWAYS AT ALL TIMES.

74. ANY MOT ITEM NOT SPECIFICALLY LISTED UNDER A PARTICULAR PAY ITEM SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS. THERE SHALL BE NO

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

76. 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.

### LEGEND

EXISTING

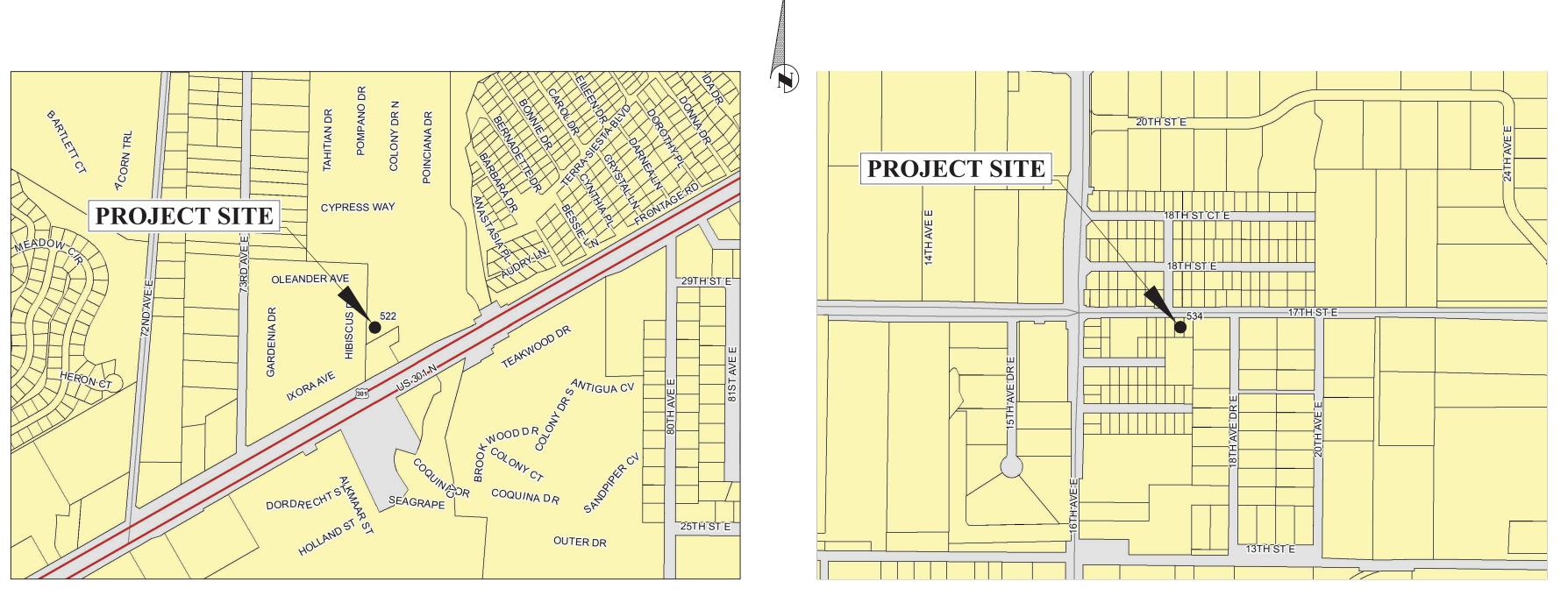
CN     BENCH MARK     BUSH     ABBREVIATIONS       CN     CONCRETE MONUMENT     TREE     RM     ROHT OF WAY       IRON ROD     IRON ROD     ALM TREE     CONCRETE       IRON ROD     NALL & DEK     DRW     DRW     DRW       IRON ROLL     NALL & DEK     DRW     DRW     DRW       IRON ROLL     NALL & DEK     DRW     DRW     DRW       IRON ROLL     DROL     OF     CHAN LINK FENCE     DRUK       IRON ROLL     IRON ROLL     IRON ROLL     DRUK ROLL     DRUK ROLL       IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL       IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL       IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL       IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL     IRON ROLL       IRON ROLL     IRON ROLLI									
			BENCH MARK	End	BUSH		AB	BREVIATI	ONS
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△       HUB       ✓       PINE TREE       ASPH       ASPH       ASPHALT         ●       NAIL & DISK       DRWY       DRWY       DRWWAY         ELEXATION       SWK       SWK       SWK       SWK         ●       PARCEL ID NO.       EDEC 0F VEGETATION       BOC       BACK OF CURB         ●       PARCEL ID NO.       ●       EDEC 0F VEGETATION       BOC       BACK OF CURB         ●       PARCEL ID NO.       ●       ●       EDEC 0F VEGETATION       BOC       BACK OF CURB         ●       PARCEL ID NO.       ●       ●       EDEC 0F VEGETATION       BOC       BACK OF CURB         ●       OUT NO.       ●       ●       ●       EDEC 0F VEGETATION       BOC       BACK OF CURB         ●       OUNT POLE		0	IRON PIPE		OAK TREE		R/W	RIGHT OF	WAY
◎     NAL & DISK     PROVY     DRIVY     DRIVY     DRIVY     DRIVK       ELEVATION     SIXK     SIDEWALK       ②     PARCEL ID NO.     EDE OF VESENTON     BOC     BACK OF CURB       ③     LOT NO.     -0     -0     -0     -0       ○     GUY WIRE     -0     -0     -0     -0       ○     GUY WIRE     -0     -0     -0     -0       ○     SUBATION     -0     -0     -0     -0       ○     WIRE     -0     -0     -0     -0       ○     SUBATION     -0     -0     -0     -0       ○     SANTARY SEVER MANHOLE     -0     -0     -0       ○     SANTARY SEVER MANHOLE     -0     -0     -0     -0       ○     SANTARY SEVER MANHOLE		•	IRON ROD	×	PALM TREE		CONC	CONCRETE	
BLEWATION       SWK       SUBWALK         PARCEL ID NO.       PARCEL ID NO.       PE       EDOC OF PAKENT         BOC       BACK ID NO.       PO       PARCEL ID NO.       PE         CI       UOT NO.       PO       PARCEL ID NO.       BOC       BACK OF CURB         CI       UOT NO.       PO       PO       POWER POLE       X       SUBWALK         PP       OVER POLE       X       SUBWALK       EDOC OF CURB       SUBWALK         CI       UIGHT POLE       PR       PORCE NONE       FERCE       SUBWALK         CI       UIGHT POLE       PR       PORCE NONE       FORE MAN         CI       MAIL BOX       PR       PORCE NONE       FORE MAN         CI       GAS MARKER       PR       PORCEALINED WATER       SUBMARY SEWER         CI       GAS MARKER       PR       PORCEALINED WATER       PR         CI       GAS MARKER       PR       PORCEALINED WATER       PR         PD       PRE HYDRANT       PORCEALINED CHARTER       PR       PR         VV       WATER WALKE       PR       UDEROROUND FRONTER       PR         VV       WATER WALKE CLEAN OUT IP       PORCEANTARY SEWER MANHOLE       POREHEAD FORMAD CHA		$\bigtriangleup$	HUB		PINE TREE		ASPH	ASPHALT	
With Parcel ID NO.       O       Common Edge of Vecention       BOC       BOC       BOC       BOC       COMPARENT         With Parcel ID NO.       O       O       O       O       BOC       BOC       BOC       CUB         With Parcel ID NO.       O       O       O       O       O       BOC       BACK OF CUB         With Parcel ID NO.       O       O       O       O       Handle State       BOC       BACK OF CUB         With Parcel ID NO.       O       O       O       Handle State       BOC       BACK OF CUB         With Parcel ID NO.       O       O       O       Handle State       BOC       BACK OF CUB         With With Parcel ID NO.       O       O       None       Parcel ID NO.       BOC       BACK OF CUB         ID Note Parcel ID NO.       O       O       O       Parcel ID NO.       Parcel ID NO.       Parcel ID NO.       Parcel ID NO.         ID Note Parcel ID Note Par		0	NAIL & DISK	*			DRWY	DRIVEWAY	
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GUY WIRE     □□□□     WOOD FENCE       PP     Ø     POWER POLE     □×     → BARBED WIRE FENCE       X     Ucht POLE     □×     → FORCE MAN       II     MAL BOX     □×     → POTABLE WATER       III     MAL BOX     □×     → POTABLE WATER       IIII     SIGN     □×     → FORCE MAN       IIIII     IIIIIII     □     □     □       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	123	猪	PARCEL ID NO.	$\sim \sim $	EDGE OF VEC	ETATION	BOC	BACK OF (	CURB
PP       Ø       POWER POLE	07	D	LOT NO.	00	- CHAIN LINK F	ENCE			
iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		$\leftarrow$	GUY WIRE		- WOOD FENCE				
Image: Sign server and	PP	ø	POWER POLE	XX	- BARBED WIRE	FENCE			
d       SIGN       — RECLAIMED WATER         REF       9       REFLECTOR       — SS         SPRINKLER       — SS       STORM DRAIN         ©       GAS MARKER       — GAS       GAS LINE         — O       BACKFLOW PREVENTER       — OVERHEAD CHARTER         — BLOW OFF VALVE       — OVERHEAD CHARTER         — BLOW OFF VALVE       — OVERHEAD CHARTER         — W W WATER VALVE       — OVERHEAD CHARTER         W W WATER VALVE       — OVERHEAD ELECTRIC         ARV       AIR RELEASE VALVE       — OVERHEAD FRONTLER         SANITARY SEWER MANHOLE       — OVERHEAD FRONTLER         SANITARY SEWER MANHOLE       — PR       — UNDERGROUND PRECO         O SANITARY SEWER MANHOLE       — PR       — UNDERGROUND PRECO         O SANITARY SEWER CLEAN OUT       — PR       — UNDERGROUND PRECO         O SANITARY SEWER MANHOLE       — PRO       — OVERHEAD UTURY         SDED GORING LOCATION       — OVERHEAD OTURY       — OVERHEAD TURY         SDED ORING LOCATION       — OVERHEAD OTURY       — OVERHEAD TURY         G       ■ GRATE INLET       — — — TOP OF BANK         MITERED END SECTION       — — — — TOP OF BANK         MITERED END SECTION       — — — — TOP OF BANK         MITERED END SECTI		, ¢	LIGHT POLE	FM	- FORCE MAIN				
REF       9       REFLECTOR			MAIL BOX	PW	- POTABLE WAT	ER			
●       SPRINKLER		d	SIGN		- RECLAIMED W	ATER			
◎       GAS MARKER       GAS       GAS LINE        >       BACKFLOW PREVENTER       GOVER       OVERHEAD CHARTER        >       BACKFLOW PREVENTER       GOVER       OVERHEAD CHARTER        >       FIR       GOVER       OVERHEAD ELECTRIC        >       WI       WATER VALVE       GE       OVERHEAD ELECTRIC        >       ARV       AIR RELEASE VALVE       GE       OVERHEAD FRONTIER         WM       WATER METER       FIR       OVERHEAD FRONTIER         WM       WATER METER       FIR       OVERHEAD TRONTIER         Sanitary Sever CLEAN OUT       FIR       OVERHEAD UTILITY         SB#1       Soil BORING LOCATION       GOVERHEAD UTILITY         TEL       TELEPHONE SERVICE BOX       HITHHITHHITH RAIL ROAD TRACKS         ØR       UTILITY BOX       EDEC OF CONCRETE         ØR       UTILITY RISER       EDEC OF CONCRETE         ØR       GRATE INLET	REF	9	REFLECTOR	SS	- SANITARY SEV	VER			
→       BACKFLOW PREVENTER       →       ○		ø	SPRINKLER	s	- STORM DRAIN				
Image: BLOW OFF VALVE       OHR       UNDERGROUND CHARTER         FH       FIRE HYDRANT       OC       OVERHEAD ELECTRIC         WV       W WATER VALVE       BE       UNDERGROUND ELECTRIC         ARV       AR RELEASE VALVE       OH FIR       OVERHEAD FRONTER         WM       W WATER METER       OFF       UNDERGROUND PROTO         Santrary Sewer Manhole       Proo       UNDERGROUND FPL         SB#1       Soil Boring Location       OH       OVERHEAD UTILITY         TEL TED       TELEPHONE SERVICE BOX       HITHITHITH RAIL ROAD TRACKS         IMILITY RISER       EDGE OF CONCRETE       ITILITY RISER       EDGE OF SLOPE         GI       GRATE INLET		©	GAS MARKER	GAS	- GAS LINE				
FH       G       FIRE HYDRANT       G       OVERHEAD ELECTRIC         WV       W WATER VALVE       GE       UNDERGROUND ELECTRIC         ARV       AIR RELEASE VALVE       GH FTR       OVERHEAD FRONTIER         WM       WATER METER       FTR       UNDERGROUND PRONTIER         S       SANITARY SEWER MANHOLE       FRO       UNDERGROUND PRECO         S       SANITARY SEWER CLEAN OUT       FFL       UNDERGROUND PRECO         SB#1       SOLI BORING LOCATION       GH       OVERHEAD UTILITY         TELE       TELEPHONE SERVICE BOX       HITHITHITH RAIL ROAD TRACKS         WZMZ       UTILITY BOX       EDGE OF CONCRETE         WITHITY RISER       EDGE OF SLOPE         GI       GRATE INLET		-0-	BACKFLOW PREVENTER	OCHR	- OVERHEAD CH	HARTER			
WV       WATER VALVE       BE       UNDERGROUND ELECTRIC         ARV       AIR RELEASE VALVE       OH FIR       OVERHEAD FRONTIER         WM       WATER METER       FIR       UNDERGROUND FRONTIER         Sanitary Sewer CLEAN OUT       FPC       UNDERGROUND PRECO         SB#1       Soll Boring Location       OH       OH         TEL       TELEPHONE SERVICE BOX       HIHHHHHHH       Rail Road Tracks         WZ       UTILITY BOX       OH       OH         VILITY RISER       EDGE OF CONCRETE       WITERED END SECTION       TOP OF BANK         GI       GRATE INLET       OH       TOP OF BANK       MITERED END SECTION         OKKS DEPT.       1701 RINGLING BLVD.       RIGHT OF WAY       SOUTHWEST FLORIDA WATER       DEPARTMENT OF ENVIRONMENTAL         WORKS DEPT.       1701 RINGLING BLVD.       MANAGEMENT DISTRICT SARASOTA       DEPARTMENT OF ENVIRONMENTAL         NANATEE COUNTY PUBLIC       FRONTIER       SOUTHWEST FLORIDA WATER       DEPARTMENT OF ENVIRONMENTAL         PROTECTION       TOT       TOT SARASOTA, FL. 34226       SUTHWEST FLORIDA WATER       DEPARTMENT OF ENVIRONMENTAL         PROTECTION       SERVICE OFFICE       SOUTHWEST FLORIDA WATER       DEPARTMENT OF ENVIRONMENTAL         PROTECTION       SERVICE OFFICE		No	BLOW OFF VALVE	CHR	- UNDERGROUN	D CHARTER			
WV     WATER VALVE     BE     UNDERGROUND ELECTRIC       ARV     AIR RELEASE VALVE     OH FIR     OVERHEAD FRONTIER       WM     WATER METER     FIR     UNDERGROUND FRONTIER       SS     SANITARY SEWER MANHOLE     PCO     UNDERGROUND FPL       SB#1     SOIL BORING LOCATION     OH FIR     OVERHEAD UTILITY       TEL     TELEPHONE SERVICE BOX     HITHHITH RAIL ROAD TRACKS       ØZZ     UTILITY BOX     EDGE OF CONCRETE       Ø     UTILITY RISER     EDGE OF ROAD       GI     GRATE INLET	FH	$\bigcirc$	FIRE HYDRANT	OE	- OVERHEAD EL	ECTRIC			
WM       WATER METER       FR       UNDERGROUND FRONTIER         S       SANITARY SEWER MANHOLE       P00       UNDERGROUND PRECO         S       SANITARY SEWER CLEAN OUT       FPL       UNDERGROUND FPL         SB#1       SOIL BORING LOCATION       OH       OVERHEAD UTILITY         TEL       TELEPHONE SERVICE BOX       ####################################	WV		WATER VALVE	BE	- UNDERGROUN	D ELECTRIC			
Sanitary sewer manhole       → Pro       UNDERGROUND PRECO         Sanitary sewer clean out       → Pri       UNDERGROUND FPL         SB#1        Soil Boring Location       → OVERHEAD UTILITY         TEL TEL       TELEPHONE SERVICE BOX       ++++++++++++++++++++         TEL TEL       TELEPHONE SERVICE BOX       ++++++++++++++++++++++++++++++++++++	ARV	(A)	AIR RELEASE VALVE	OH FTR	- OVERHEAD FF	RONTIER			
○       SANITARY SEWER CLEAN OUT	WM		WATER METER	FTR	- UNDERGROUN	D FRONTIER			
SB#1 *       SOIL BORING LOCATION		S	SANITARY SEWER MANHOLE	PC0	– UNDERGROUN	D PRECO			
TEL       TELEPHONE SERVICE BOX       ++++++++++++++++++++++++++++++++++++		0	SANITARY SEWER CLEAN OUT	FPL	- UNDERGROUN	D FPL			
Image: Warding Dept.       UTILITY BOX	SB#	1 🔶	SOIL BORING LOCATION	——— ОН ————	- OVERHEAD U	<b>TILITY</b>			
Image: Willity Box	TEL	(TEL)	TELEPHONE SERVICE BOX	+++++++++++++++++++++++++++++++++++++++	- RAIL ROAD TH	RACKS			
FLOW DIRECTION       TOE OF SLOPE         GI       GRATE INLET         MITERED END SECTION       PROPERTY LINE         STORM SEWER MANHOLE       RIGHT OF WAY         MANATEE COUNTY PUBLIC       FRONTIER         NORKS DEPT.       1701 RINGLING BLVD.         1022 26TH AVENUE EAST       SARASOTA, FL. 34236         BRADENTON, FL. 34208       JOHN PLOTT	_		UTILITY BOX		EDGE OF COI	NCRETE			
FLOW DIRECTION       TOE OF SLOPE         GI       GRATE INLET         MITERED END SECTION       PROPERTY LINE         STORM SEWER MANHOLE       RIGHT OF WAY         MANATEE COUNTY PUBLIC       FRONTIER         NORKS DEPT.       1701 RINGLING BLVD.         1022 26TH AVENUE EAST       SARASOTA, FL. 34236         BRADENTON, FL. 34208       JOHN PLOTT	(	R	UTILITY RISER		EDGE OF RO	AD			
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MANATEE COUNTY PUBLIC       FRONTIER       SOUTHWEST FLORIDA WATER       DEPARTMENT OF ENVIRONMENTAL         WORKS DEPT.       1701 RINGLING BLVD.       MANAGEMENT DISTRICT SARASOTA       DEPARTMENT OF ENVIRONMENTAL         1022 26TH AVENUE EAST       SARASOTA, FL. 34236       SERVICE OFFICE       13051 N. TELECOM PKWY         BRADENTON, FL. 34208       JOHN PLOTT       STEVE LOPES       TEMPLE TERRACE, FL 33637	GI		GRATE INLET		- TOP OF BANI	<			
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1022 26TH AVENUE EASTSARASOTA, FL. 34236SERVICE OFFICE13051 N. TELECOM PKWYBRADENTON, FL. 34208JOHN PLOTTSTEVE LOPESTEMPLE TERRACE, FL 33637	MANATEE COUN	TY PUE	BLIC FRONTIER			SOUTHWEST FLOR	RIDA WATER	R	DEPARTMENT OF ENVIRONMENTAL
BRADENTON, FL. 34208 JOHN PLOTT STEVE LOPES TEMPLE TERRACE, FL 33637							TRICT SAR	ASOTA	
							ROAD		ED WATSON

WORKS DEPT. 1022 26TH AVENUE EAST BRADENTON, FL. 34208 JIM RENNEBERG, P.E. (941) 708-7450 EXT. 7220 FAX: (941) 708-7415 TECO/PEOPLES GAS CO. 8261 VICO COURT SARASOTA, FL. 34240 (941) 342-4030 DAN SHANAHAN FAX: (941) 342-4011 EMERGENCY: 1-877-832-6911 ATMS 2101 47TH TERRACE EAST BRADENTON, FL 34203 VISHAL KAKAAD, P.E.	<ul> <li>FLOT RINGLING BLVD.</li> <li>SARASOTA, FL. 34236</li> <li>JOHN PLOTT</li> <li>(941) 906–6707</li> <li>FAX: (941) 906–6706</li> <li>John.Plott@ftr.com</li> <li>FLORIDA POWER &amp; LIGHT</li> <li>1253 12TH AVENUE EAST</li> <li>PALMETTO, FL 34221</li> <li>GREG COKER</li> <li>(941) 723–4430</li> <li>FAX: (941) 723–4444</li> <li>EMERGENCY: 1–800–4–0UTAGE</li> <li>Greg_Coker@fpl.com</li> <li>MANATEE COUNTY HEALTH DEPT.</li> <li>410 6th AVENUE EAST</li> <li>BRADENTON, FL. 34208</li> <li>(041) 747 EYL 1355</li> </ul>	SERVICE OFFICE STEVE LOPES 6750 FRUITVILLE SARASOTA, FL. 3 (941) 377-372 FAX: (941) 373 FLORIDA GAS TR 7804 ANDERSON TAMPA FL 3363 CHAD HARRELL PHONE: (813) 4 E-mail: chad.ho PEACE RIVER EL COOPERATIVE, IN P.O. BOX 1310 WACHULA, FL 33	ROAD 34240 2 -7660 ANSMISSION I RD. 4 -66-3327 Irrell@sug.com ECTRIC IC.	PROTECTION         13051 N. TELECOM PKWY         TEMPLE TERRACE, FL 33637         ED WATSON         PHONE: (813) 470-5875         FAX: (813) 470-5993         CHARTER COMMUNICATION         5413 E. STATE ROAD 64         BRADENTON, FL. 34208-5535         TOM WRIGHT         (941) 748-3816 EXT. 21348         Tom.Wright@charter.com         SUNSHINE STATE ONE CALL OF         FLORIDA         1-(800) 432-4770
	BRADENTON, FL. 34208 (941) 748–0747 EXT. 1355 FAX: (941) 750–9364	WACHULA, FL 3 KENDELL COKER (863) 767–466 kendell.coker@pr	C	
		PROJECT #	VARIES	I SHEA SHOUN PE



PROJECT #		١	/ARIES	J. SHEA SHOUN, P.E.					
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SEC./TWN./RGE		VARIES		No. 60923					
SCALE		N.T.S.		No. 60923					
		BY	DATE	STATE OF					
SURVEYED	Z	INS	4/12/19	05/18/2021					
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<u>Colony cove 6, rtu 522,</u> 162 colony dr. n., ellenton (behind fire station)

### SATELLITE LIFT STATION R&R COLONY COVE 6 & MEMPHIS RD PROJECT SITE LOCATION MAPS

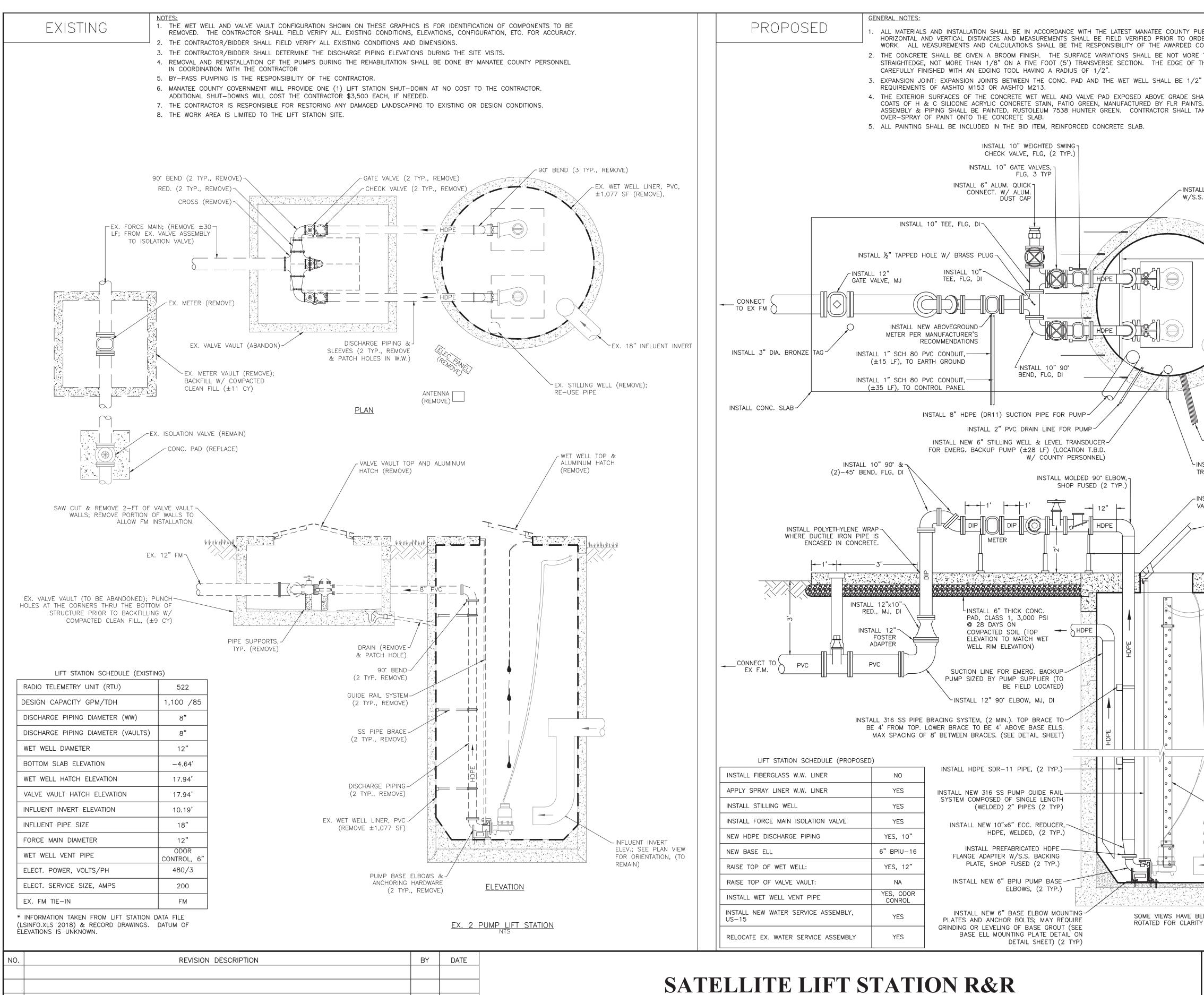
<u>MEMPHIS RD, RTU 534,</u> 1721 17th st e, palmetto

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FLORIDA

PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208

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PROJECT #			VARIES	J. SHEA SHOUN, P.E.
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## **SLS COLONY COVE 6, RTU 522 (REHAB)**

PUBLIC WORKS UTILITY STANDARDS. ALL DERING MATERIALS AND COMMENCING CONTRACTOR.	<ul> <li><u>REHAB. CONSTRUCTION NOTES:</u></li> <li>1. INSTALL ±10 LF NEW ELECTRICAL SERVICE.</li> <li>2. INSTALL #5 REBAR (6 TYP.) EPOXY EMBEDDED INTO THE WET WELL TOP 3-4 INCHES DEEP AND CAST 3-4 FEET</li> </ul>
E THAT 1/4" UNDER A TEN FOOT (10') THE CONCRETE PAD SHALL BE	INTO THE VALVE VAULT ASSEMBLY CONCRETE PAD TO ENSURE THE TOPS OF THE WET WELL AND VALVE ASSEMBLY PAD WILL REMAIN FLUSH.
2" MATERIAL AND SHALL MEET THE HALL BE COATED WITH AT LEAST TWO IS. THE ABOVE GROUND VALVE	<ol> <li>REMOVE AND INSTALL ALL NEW ELECTRICAL STRUCTURE (RACK), A <u>VENTILATED</u> CONTROL PANEL, TCU ENCLOSURE, JUNCTION BOX ENCLOSURE, A METER CAN, AND A SAFETY SWITCH (DISCONNECT). NEW ELECTRICAL STRUCTURE SHALL</li> </ol>
TAKE PRECAUTIONS TO PREVENT	BE FIELD LOCATED WITH MANATEE COUNTY PERSONNEL. 4. A TCU BUBBLER UNIT (RPT-001) SYSTEM PROVIDED AND INSTALLED BY DATA FLOW SYSTEMS (DFS) FOR WET WELL LEVEL CONTROL SHALL BE INCLUDED WITH THE CONTROL
	PANEL. 5. AN ELECTRICAL SYSTEM STUDY, ELECTRICAL STUDY ANALYSIS, AND PROPER LABELING IN COMPLIANCE WITH NFPA 70E
ALL PREFABRICATED HDPE FLANGE ADAPTER	"STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE" AND IEEE 1584 2018 "GUIDE FOR PERFORMING ARC FLASH HAZARDS CALCULATIONS" SHALL BE PERFORMED AND PROVIDED BY ROZEL, LLC. THE CONTRACTOR SHALL
S. BACKING PLATE, SHOP FUSED, 2 TYP.	COORDINATE, PROVIDE SUFFICIENT ON-SITE DATA, AND ACCESS FOR THE STUDY/ANAYLIS TO BE COMPLETED TO THE SATISFACTION OF ROZEL, LLC AND THE COUNTY. 6. INSTALL NEW ±12" THICK PRECAST TYPE-II REINFORCED
	CONCRETE WET WELL BARRIER SECTION; OR FORM POUR CONCRETE AND REINFORCE WITH REBAR, EPOXY DOWELS INTO EXISTING STRUCTURE. ENSURE THERE IS A 4" REVEAL OF THE TOP SLAB.
INSTALL PIPE BRACING SYSTEM SEE DETAIL SHEET	7. SEPARATE THE TELEMETRY TOWER FROM CONCRETE BASE AND SET TO SIDE OF LIFT STATION SITE. CONTRACTOR SHALL REMOVE AND DISPOSE OF CONCRETE BASE. COUNTY
INSTALL: STUB-OUT; FOR THE 2" DRAIN LINE FROM ODOR CONTROL. COORDINATE	<ul> <li>SHALL INSTALL NEW TELEMETRY ANTENNA.</li> <li>8. REPAIR CONCRETE, AS NEEDED, IN WET WELL, 2" MIN. THICK OVER EXISTING REBAR, (±558 SF). ALL REPAIRS TO BE VERIFIED W/ COUNTY PERSONNEL PRIOR TO WORK.</li> </ul>
INSTALLATION W/ COUNTY PERSONNEL. (±5 LF); CAPPED	9. WET WELL CONCRETE WALLS SHALL BE INSPECTED BY COUNTY PERSONNEL PRIOR TO INSTALLATION OF NEW SPRAY LINER AND/OR LINER REPAIR.
-INSTALL: STUB-OUT; FOR THE BURIED 6" PVC SUCTION LINE FOR ODOR CONTROL SYSTEM; COORDINATE INSTALLATION W/ COUNTY	10. CONTRACTOR TO REGRADE SITE TO ALLOW FOR A POSITIVE DRAINAGE SLOPE AWAY FROM THE LIFT STATION AREA TOWARDS THE SURROUNDING DITCHES. MAXIMUM OF 1% SLOPE.
PERSONNEL, (±5 LF); CAPPED.	11. METER SHALL BE INSTALLED/GROUNDED PER THE MANUFACTURER'S RECOMMENDATIONS AND SHALL ADHERE TO THE UPSTREAM AND DOWNSTREAM SEPARATION DISTANCES
EX. 18" INFLUENT INVERT (INSIDE DROP)	FROM FITTINGS TO ENSURE ACCURACY OF METER. THE METER HEAD SHALL BE MOUNTED ON THE NEW ELECTRICAL RACK. LOCATION T.B.D. WITH COUNTY PERSONNEL.
	<ul> <li>12. THE FOLLOWING EXISTING ITEMS AT THE STATION SHALL BE COLLECTED BY THE COUNTY:</li> <li>a. AUTOMATIC TRANSFER SWITCH (A.T.S.) AND GROUP 5</li> </ul>
└INSTALL 2" SCH 80 PVC CONDUIT, (±30 LF), TO CONTROL PANEL INSTALL 1" SCH 80 PVC FOR	ASCO CONTROLLER b. KAL–36200 BREAKER (BREAKER) c. BOTH PUMP BREAKERS d. BOTH STARTERS
TRANSDUCER (±15 LF); TO E-PUMP	e. TELEMETRY CONTROL UNIT (T.C.U.) f. RIO 032 g. TOP 3 SECTIONS OF TOWER.
INSTALL ADJUSTABLE S.S. FLANGED VALVE SUPPORTS, (4 TYP.) APPROX. 36"x72" MIN. CLEAR SPACE	
OPENING; HEAVY DUTY ALUMINUM HATCH. SINGLE OR DOUBLE DOOR	
NEW MIN. 10" THICK ROUND WET WELL TOP; GRADE AROUND WET WELL AND VALVE ASSEMBLY PAD TO LEAVE A 4" REVEAL.	
RAISE RIM ELEVATION 12-INCHES FROM EXISTING BY INSTALLING NEW PRECAST	
TYPE-II REINFORCED CONCRETE WET WELL BARREL SECTION; OR FORM POUR CONCRETE & REINFORCE W/REBAR, EPOXY DOWELS INTO EX. STRUCTURE	
LINER, (±1,115 SF)	
CONCRETE REPAIR, AS NEEDED	
INSTALL 6" STILLING WELL & LEVEL TRANSDUCER FOR EMERG. PUMP	
CONTROL (LOCATIONS T.B.D. W/ COUNTY PERSONNEL, (±28 LF)	
BEEN TY REPAIR CONCRETE BOTTOM AND/OR FILLET, AS NEEDED	
PROJECT	# 404.6005686 J. SHEA SHOUN, P.E.
SURVEY ;	4 00-44787 EL 09/14/100023
County SCALE	N.T.S. No. 60923
FLORIDA SURVEYED	BY         DATE           D         ZNS         4/12/19           J         JSS         09/2019

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PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 1022 26th Avenue East, Bradenton, FL 34208 JSS

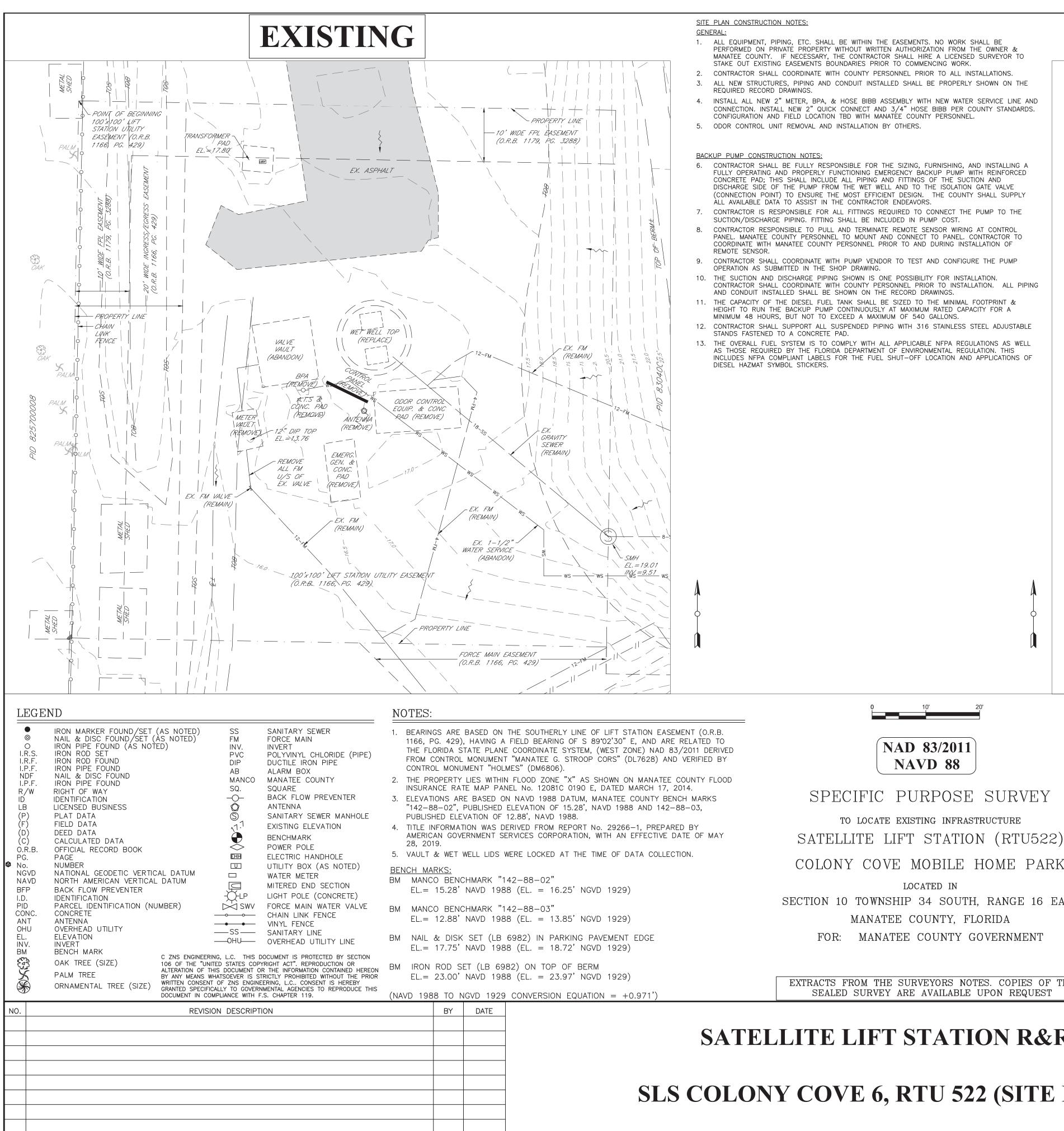
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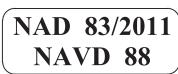
### **SLS COLONY COVE 6, RTU 522 (SITE PLAN)**

### **SATELLITE LIFT STATION R&R**

EXTRACTS FROM THE SURVEYORS NOTES. COPIES OF THE

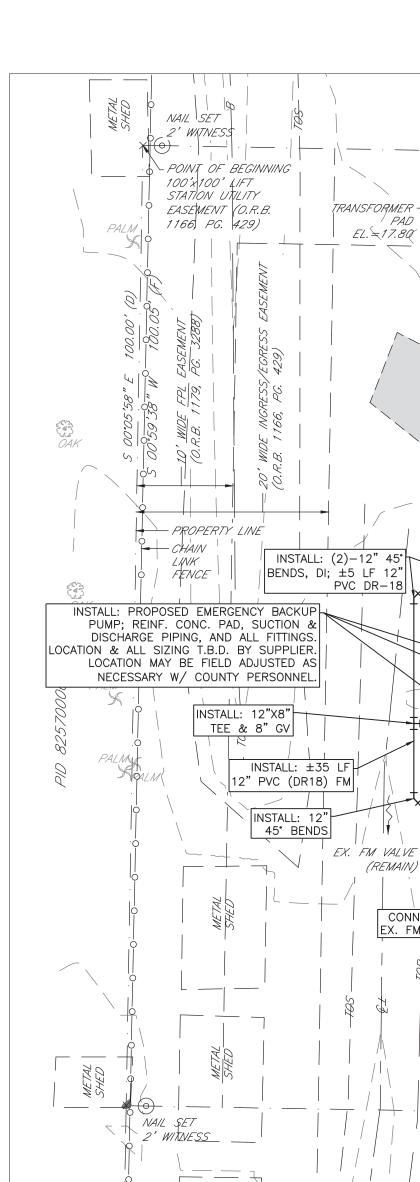
SECTION 10 TOWNSHIP 34 SOUTH, RANGE 16 EAST MANATEE COUNTY, FLORIDA FOR: MANATEE COUNTY GOVERNMENT

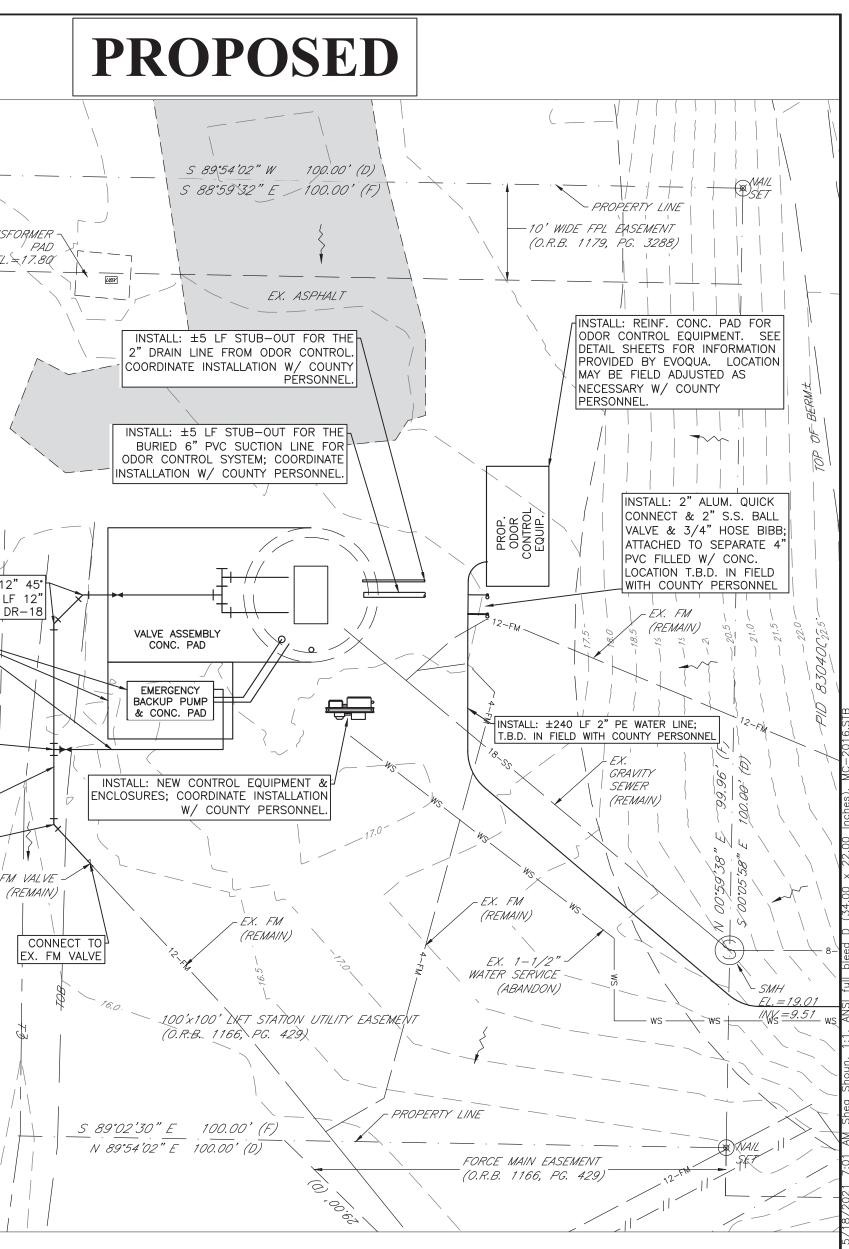
COLONY COVE MOBILE HOME PARK



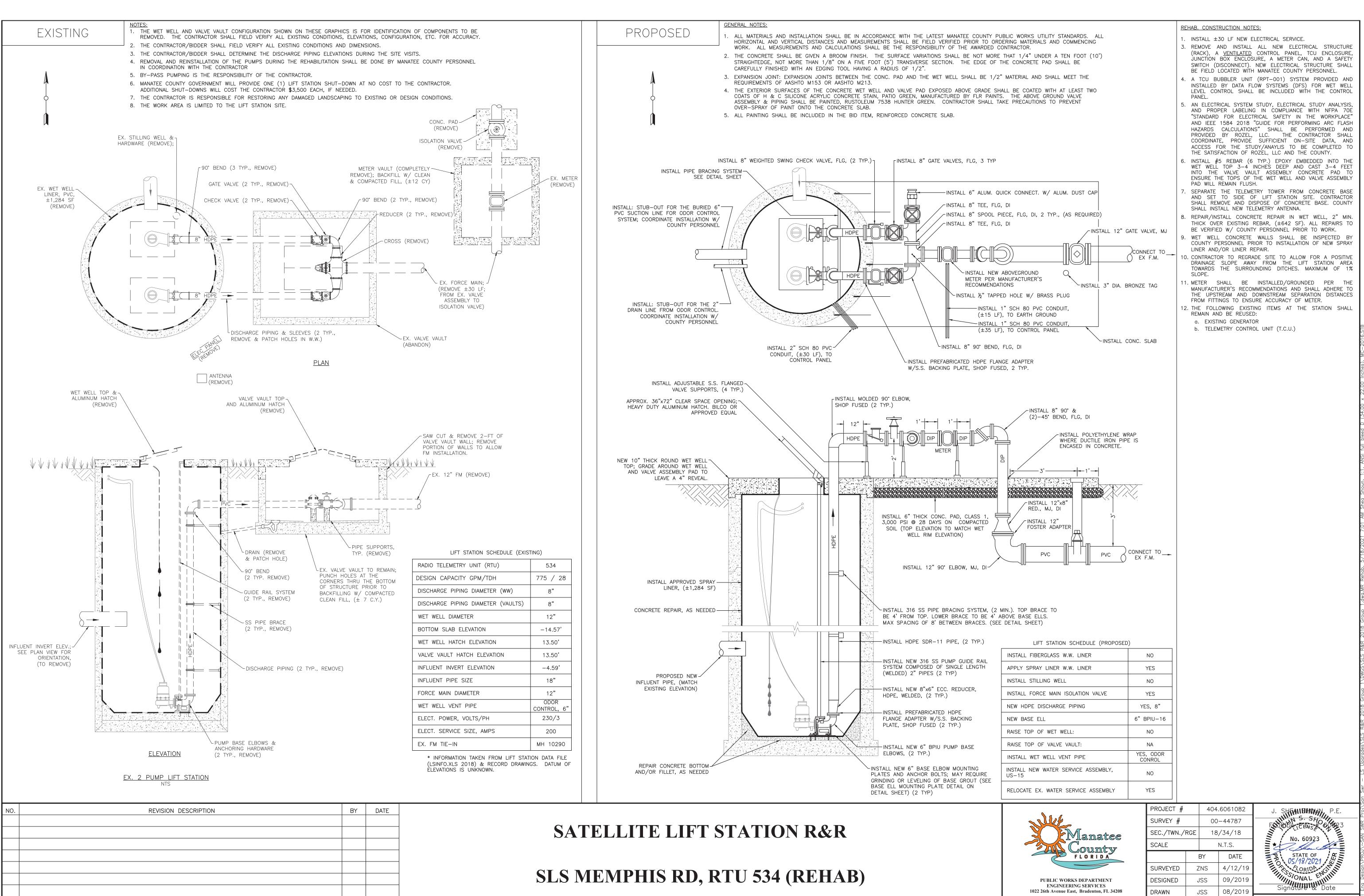
HEIGHT TO RUN THE BACKUP PUMP CONTINUOUSLY AT MAXIMUM RATED CAPACITY FOR A 12. CONTRACTOR SHALL SUPPORT ALL SUSPENDED PIPING WITH 316 STAINLESS STEEL ADJUSTABLE 13. THE OVERALL FUEL SYSTEM IS TO COMPLY WITH ALL APPLICABLE NFPA REGULATIONS AS WELL AS THOSE REQUIRED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION. THIS

- 11. THE CAPACITY OF THE DIESEL FUEL TANK SHALL BE SIZED TO THE MINIMAL FOOTPRINT &
- CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL PRIOR TO INSTALLATION. ALL PIPING
- CONTRACTOR SHALL COORDINATE WITH PUMP VENDOR TO TEST AND CONFIGURE THE PUMP
- CONTRACTOR RESPONSIBLE TO PULL AND TERMINATE REMOTE SENSOR WIRING AT CONTROL PANEL, MANATEE COUNTY PERSONNEL TO MOUNT AND CONNECT TO PANEL. CONTRACTOR TO COORDINATE WITH MANATEE COUNTY PERSONNEL PRIOR TO AND DURING INSTALLATION OF
- CONTRACTOR IS RESPONSIBLE FOR ALL FITTINGS REQUIRED TO CONNECT THE PUMP TO THE
- FULLY OPERATING AND PROPERLY FUNCTIONING EMERGENCY BACKUP PUMP WITH REINFORCED DISCHARGE SIDE OF THE PUMP FROM THE WET WELL AND TO THE ISOLATION GATE VALVE (CONNECTION POINT) TO ENSURE THE MOST EFFICIENT DESIGN. THE COUNTY SHALL SUPPLY



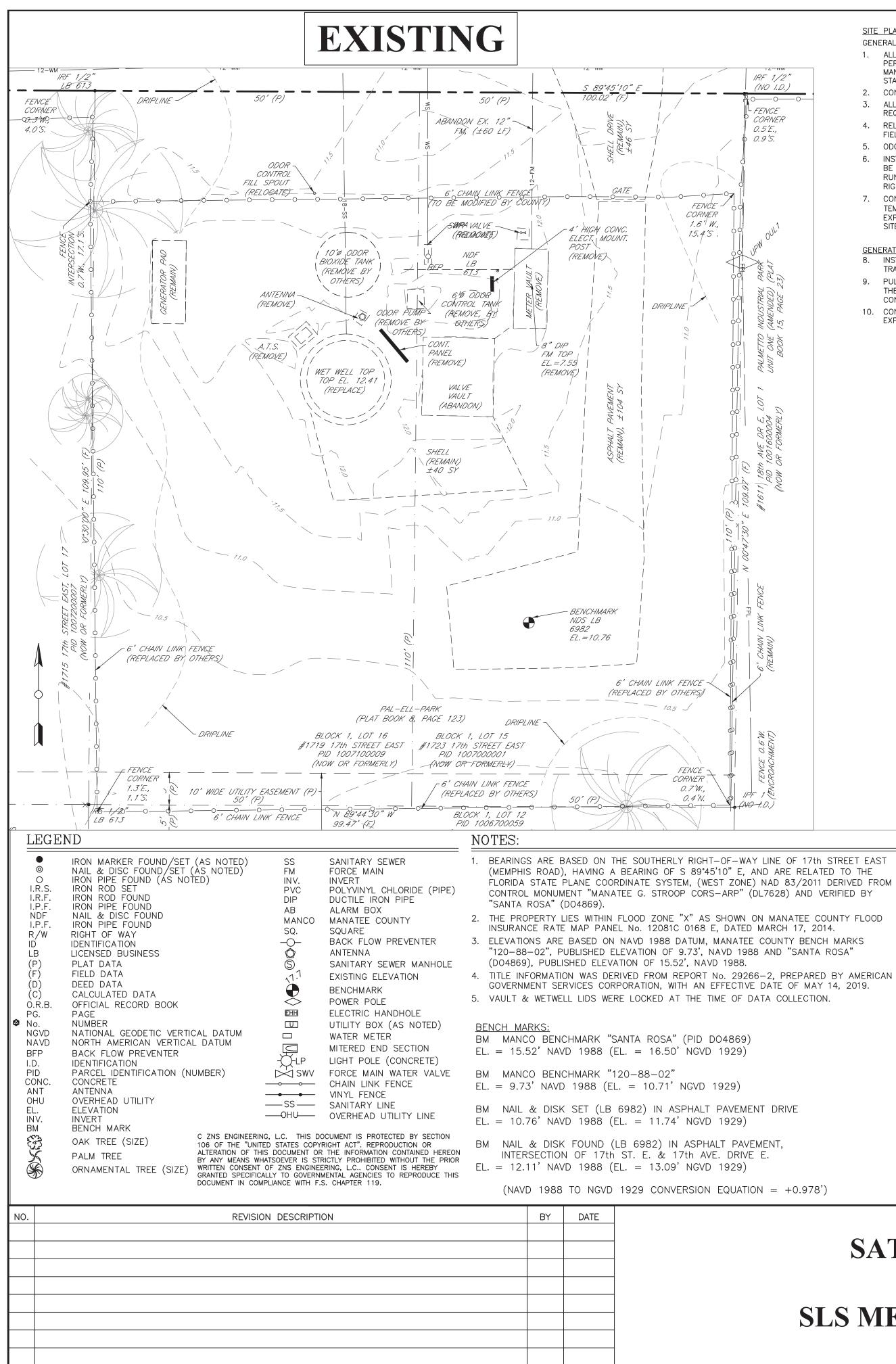


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•	PROJECT #		404.	6005686	J. SHEALAHOUN, P.E.	2
a les	SURVEY #	SURVEY #		-44787	NORMA E F. 90923	
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County	SCALE		1" = 10'		No. 60923	ì./
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### **SLS MEMPHIS RD, RTU 534 (SITE PLAN)**

### **SATELLITE LIFT STATION R&R**

**NAVD 88** 1 7th PID NIOW SPECIFIC PURPOSE SURVEY TO LOCATE EXISTING INFRASTRUCTURE SATELLITE LIFT STATION (RTU534) LOTS 15 & 16, PAL-ELL-PARK (PLAT BOOK 8, PAGE 123) LOCATED IN SECTION 18 TOWNSHIP 34 SOUTH, RANGE 18 EAST MANATEE COUNTY, FLORIDA MANATEE COUNTY GOVERNMENT FOR: EXTRACTS FROM THE SURVEYORS NOTES. COPIES OF THE SEALED SURVEY ARE AVAILABLE UPON REQUEST

-6' CHAIN LINK FENGE

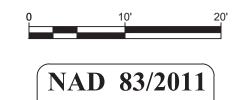
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CORNER

(REPLACED BY OTHERS)

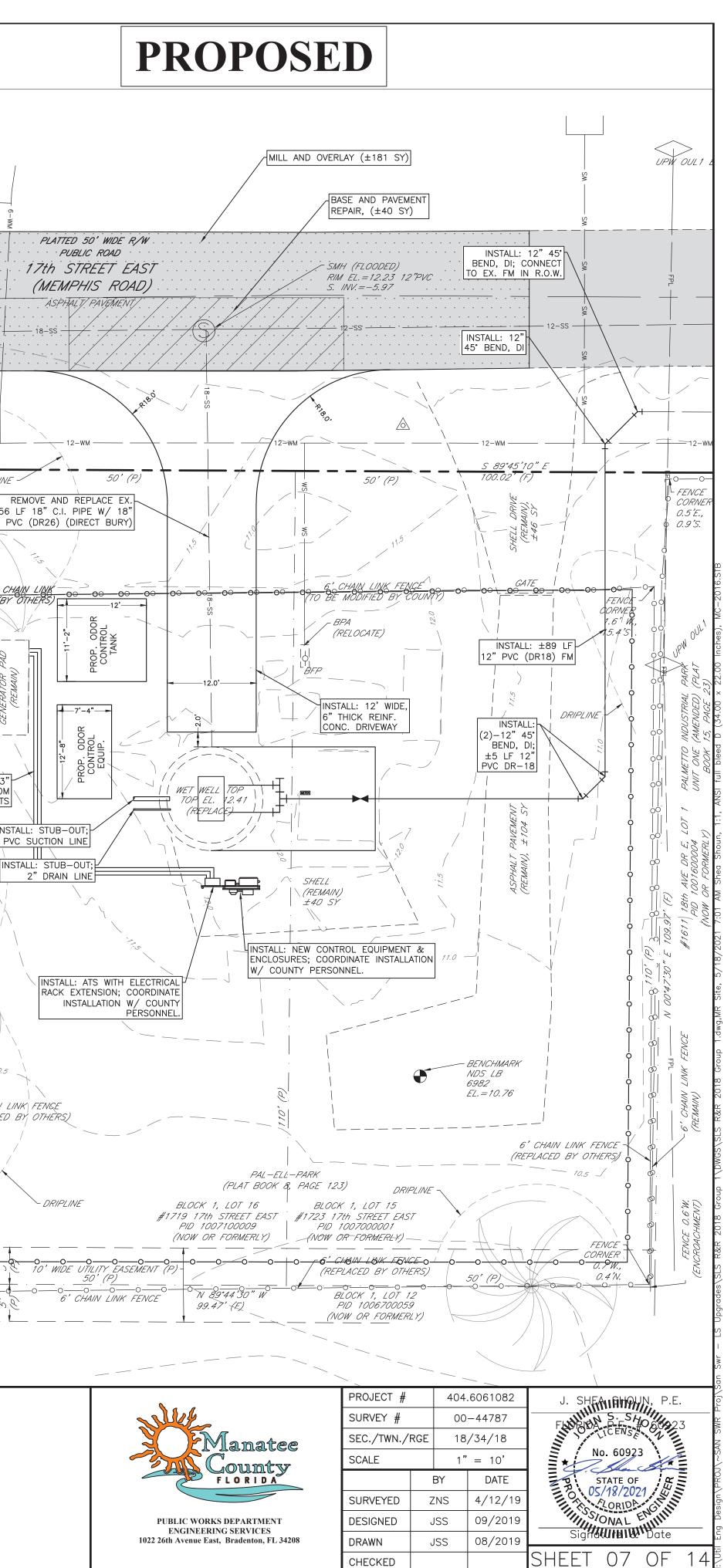
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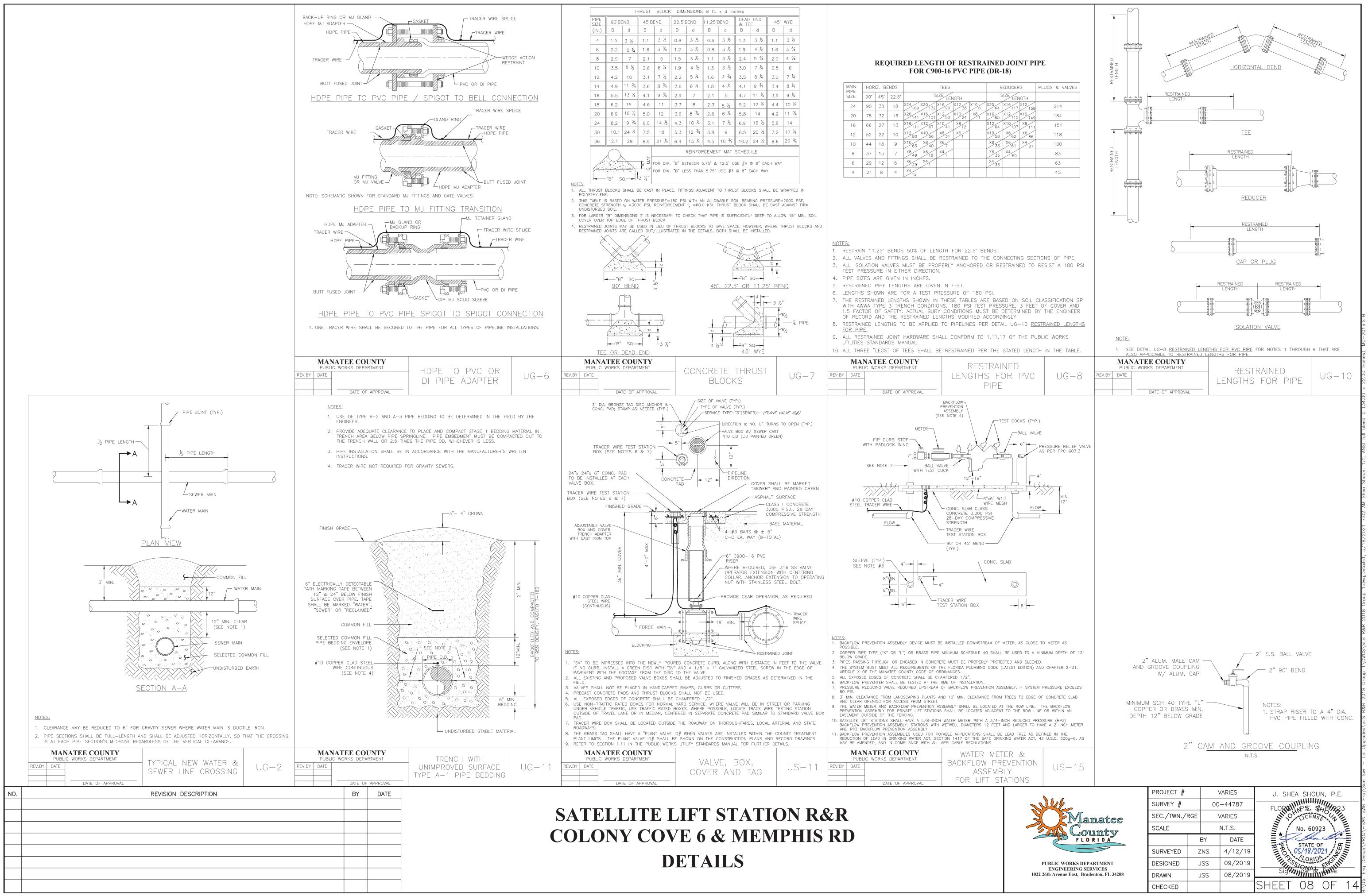


IRF 1/2" (NO 1.D.)	<ol> <li>ALL EQUIPMENT, PIPING, ETC. SHALL BE WITHIN THE EASEMENTS. NO WORK SHALL BE PERFORMED ON PRIVATE PROPERTY WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER &amp; MANATEE COUNTY. IF NECESSARY, THE CONTRACTOR SHALL HIRE A LICENSED SURVEYOR TO STAKE OUT EXISTING EASEMENTS BOUNDARIES PRIOR TO COMMENCING WORK.</li> <li>CONTRACTOR SHALL COORDINATE WITH COUNTY PERSONNEL PRIOR TO ALL INSTALLATIONS.</li> <li>ALL NEW STRUCTURES, PIPING AND CONDUIT INSTALLED SHALL BE PROPERLY SHOWN ON THE REQUIRED RECORD DRAWINGS.</li> <li>RELOCATE EX. 2" METER, BPA, 3/4" HOSE BIBB, AND 2" QUICK CONNECT ASSEMBLY, (±5 LF). FIELD LOCATE WITH MANATEE COUNTY PERSONNEL.</li> <li>ODOR CONTROL UNIT TO BE HANDLED BY OTHERS.</li> <li>INSTALL A 12' WIDE 6" THICK REINFORCED CONCRETE DRIVEWAY. PROPOSED DRIVEWAY SHALL BE FIELD ADJUSTED WITH COUNTY PERSONNEL TO PREVENT BLOCKAGE OF STORM WATER RUNOFF, (±80 SY). DRIVEWAY SHALL BE FLUSH TO EXISTING GRADE WITHIN THE</li> </ol>	
0     0 <th><ul> <li>RIGHT-OF-WAY.</li> <li>CONTRACTOR TO UTILIZE EXISTING FENCE/GATE OR INSTALL AND MAINTAIN 6-FT HIGH TEMPORARY SECURITY FENCE AND GATE(S) ALONG MEMPHIS RD FRONTAGE AT THE CONTRACTOR EXPENSE. PERMANENT FENCE AND GATE SHALL BE INSTALLED BY COUNTY. THE LIFT STATION SITE SHALL BE SECURED EACH DAY.</li> <li><u>CENERATOR REHAB. NOTES:</u></li> <li>INSTALL ALL NEW 3-INCH CONDUIT FROM THE EXISTING GENERATOR TO THE NEW AUTOMATIC TRANSFER SWITCH, (±165 LF).</li> <li>PULL NEW WIRING FROM GENERATOR TO NEW ATS AND CONNECT ALL WIRING, EXCEPT THOSE TO THE DATA FLOW SYSTEMS (DFS) TELEMETRY CONTROL UNIT (TCU) SYSTEMS, COUNTY TO CONNECT.</li> <li>CONTRACTOR SHALL ENSURE THE EXISTING GENERATOR IS FULLY FUNCTIONAL AND OPERATING AS EXPECTED. COORDINATE WITH COUNTY TO ENSURE PROPER FUNCTION.</li> </ul></th> <th>Z       PLATTED 50         PUBLIC       17th STR.         ANHOLE RIM EL. = 17.99       ASPHALT.         IB-SS       I         IB-SS       I</th>	<ul> <li>RIGHT-OF-WAY.</li> <li>CONTRACTOR TO UTILIZE EXISTING FENCE/GATE OR INSTALL AND MAINTAIN 6-FT HIGH TEMPORARY SECURITY FENCE AND GATE(S) ALONG MEMPHIS RD FRONTAGE AT THE CONTRACTOR EXPENSE. PERMANENT FENCE AND GATE SHALL BE INSTALLED BY COUNTY. THE LIFT STATION SITE SHALL BE SECURED EACH DAY.</li> <li><u>CENERATOR REHAB. NOTES:</u></li> <li>INSTALL ALL NEW 3-INCH CONDUIT FROM THE EXISTING GENERATOR TO THE NEW AUTOMATIC TRANSFER SWITCH, (±165 LF).</li> <li>PULL NEW WIRING FROM GENERATOR TO NEW ATS AND CONNECT ALL WIRING, EXCEPT THOSE TO THE DATA FLOW SYSTEMS (DFS) TELEMETRY CONTROL UNIT (TCU) SYSTEMS, COUNTY TO CONNECT.</li> <li>CONTRACTOR SHALL ENSURE THE EXISTING GENERATOR IS FULLY FUNCTIONAL AND OPERATING AS EXPECTED. COORDINATE WITH COUNTY TO ENSURE PROPER FUNCTION.</li> </ul>	Z       PLATTED 50         PUBLIC       17th STR.         ANHOLE RIM EL. = 17.99       ASPHALT.         IB-SS       I         IB-SS       I
======================================		REMOVE AND REP ±56 LF 18" C.I. PIPE PVC (DR26) (DIRE PVC (DR26) (DIRE VEW 6' CHAIN LINK 0 VEW 6' CHAIN LINK 0 VEW 6' CHAIN LINK 0 VEW 6' CHAIN LINK 0 0 VEW 6' CHAIN LINK 0 0 0 0 0 0 0 0 0 0 0 0 0
FENCE - 0 FENCE - 0 OF W., 0.7'W., 0.4'N. O 0 NO - 0		INSTALL: NEW 3" PVC CONDUIT FROM GEN. TO NEW ATS INSTALL: STUB-OUT; 6" PVC SUCTION LINE INSTALL: STUB-OUT 2" DRAIN LINE SO: 10 10 10 10 10 10 10 10 10 10 10 10 10

SITE PLAN CONSTRUCTION NOTES:

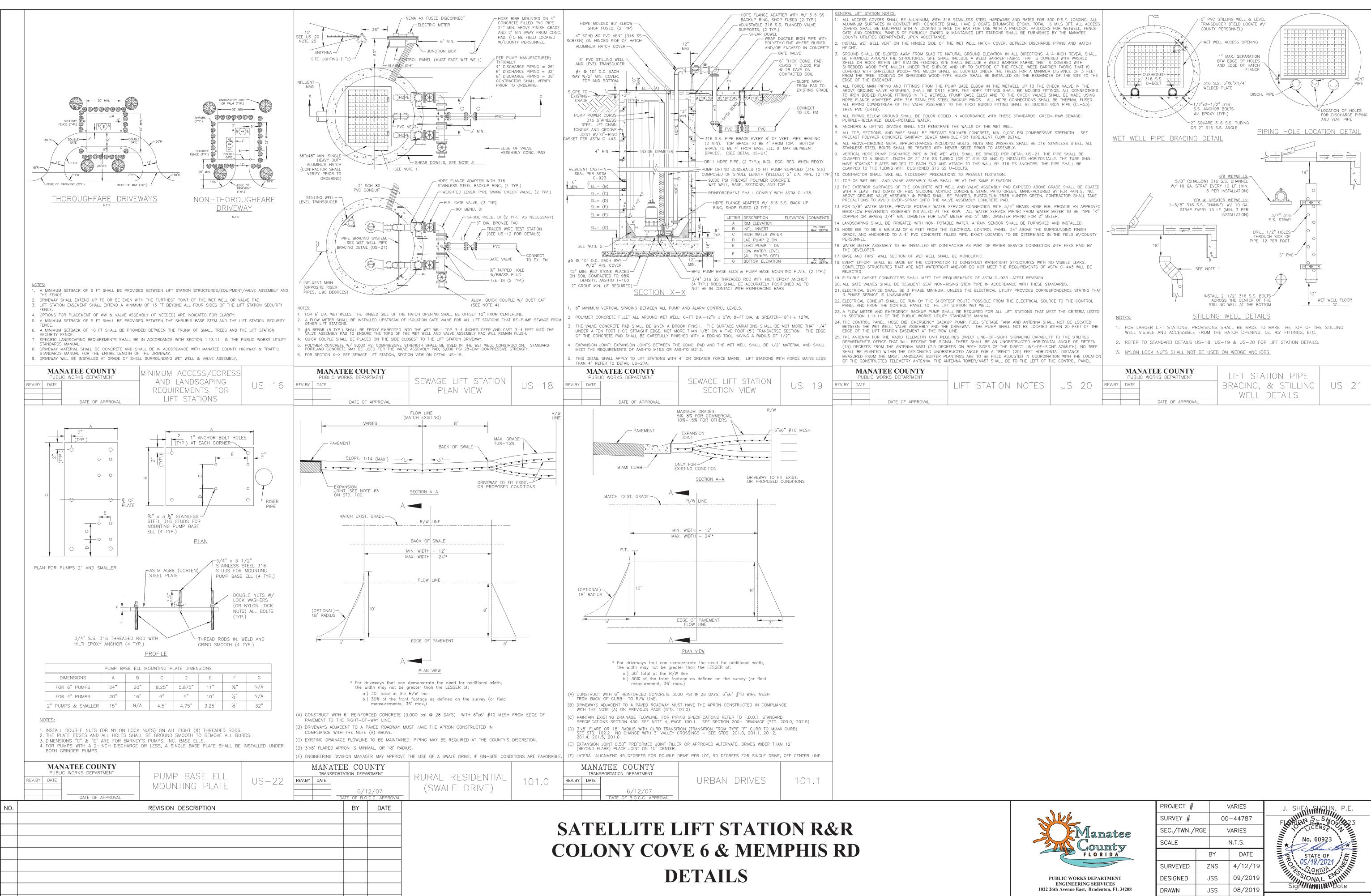
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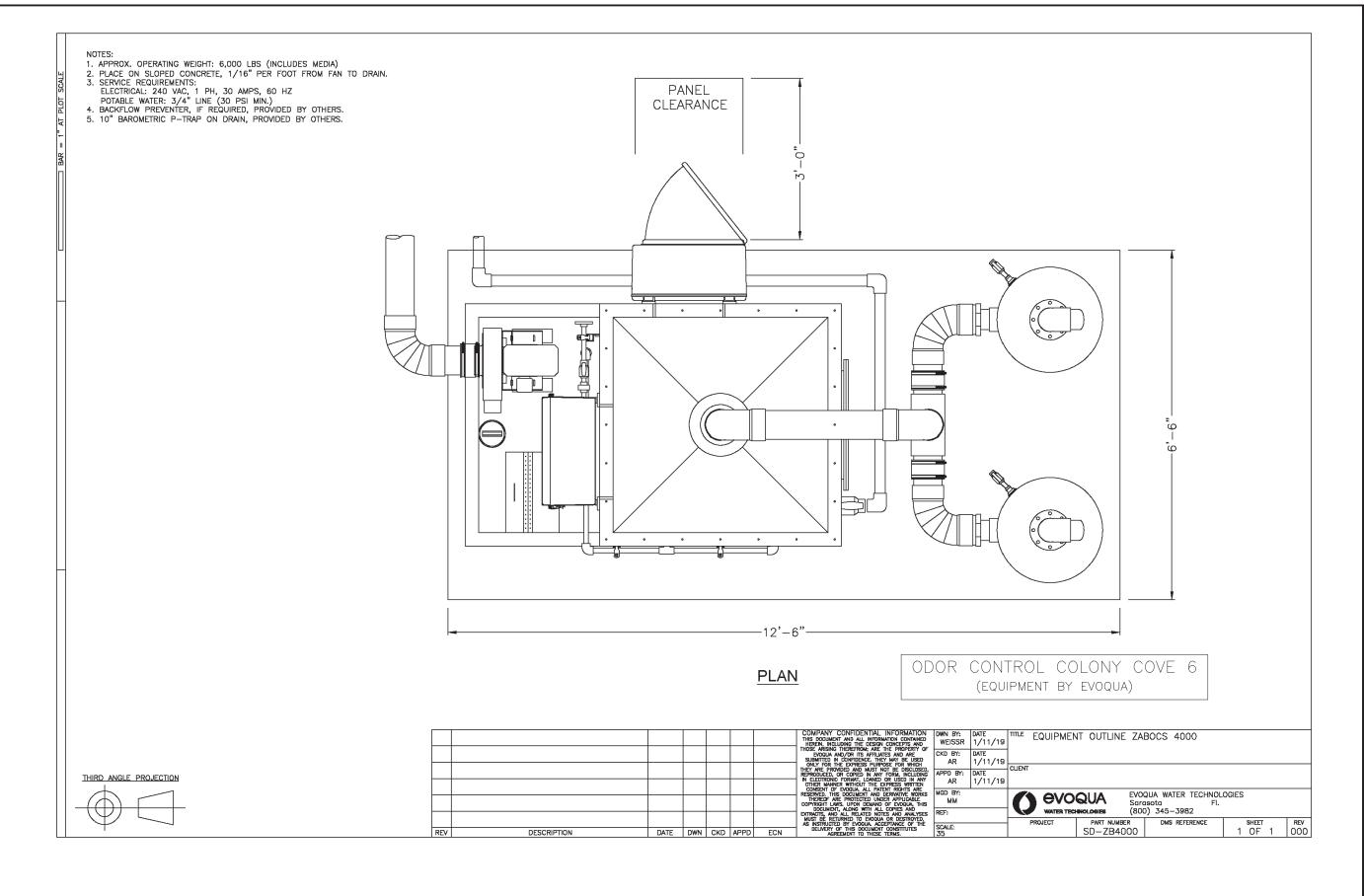
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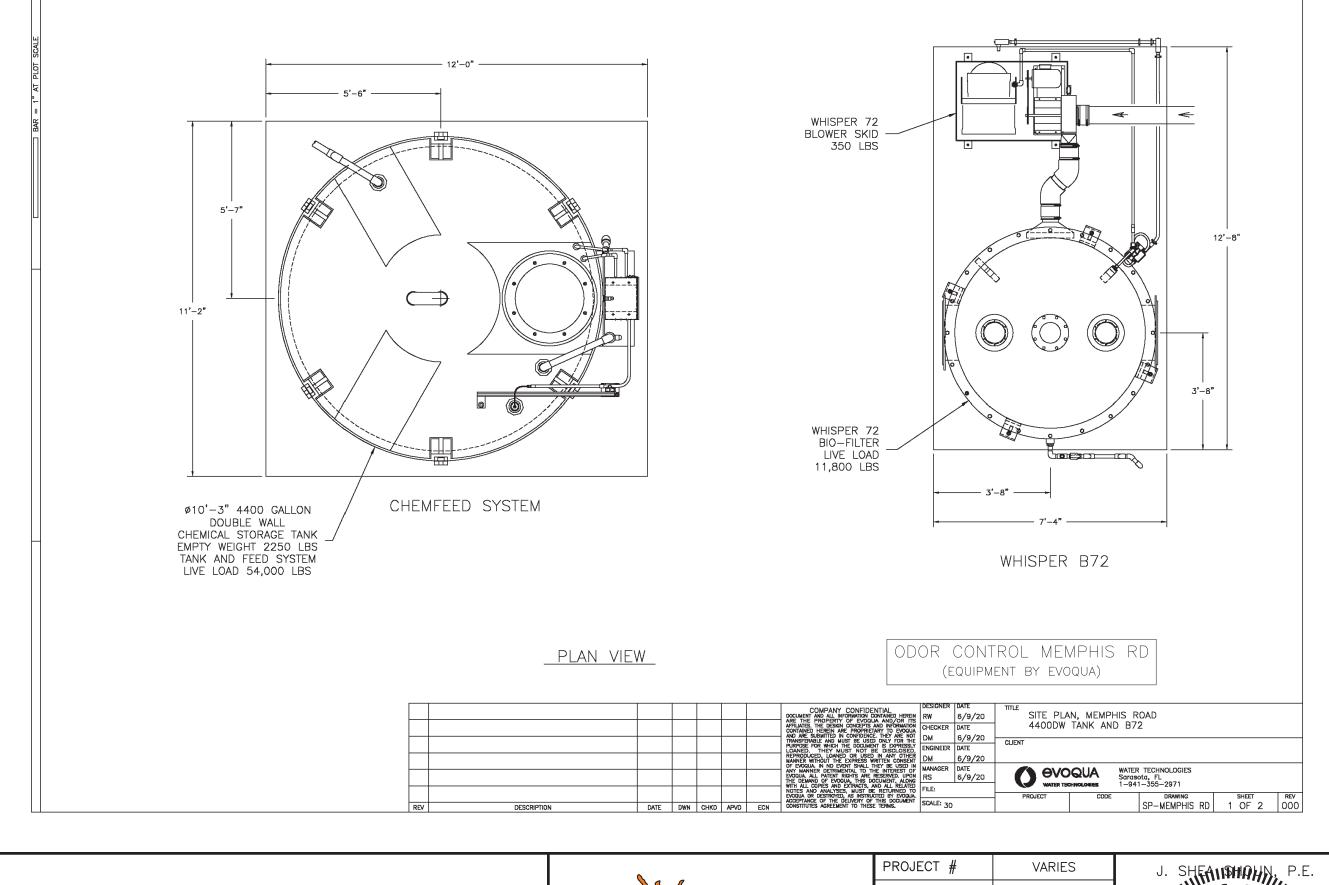
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OR PVC	UG-8	REV.BY DATE		LENGTHS FOR PIPE	UG-1
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PROJECT #		VARIES		J. SHEA, SHOUN, P.E.
SURVEY #	Y# 00		-44787	FLOREDAL BES #060923
SEC./TWN./	RGE	\ \	VARIES	FLOR DA PE 4060923
SCALE			N.T.S.	No. 60923
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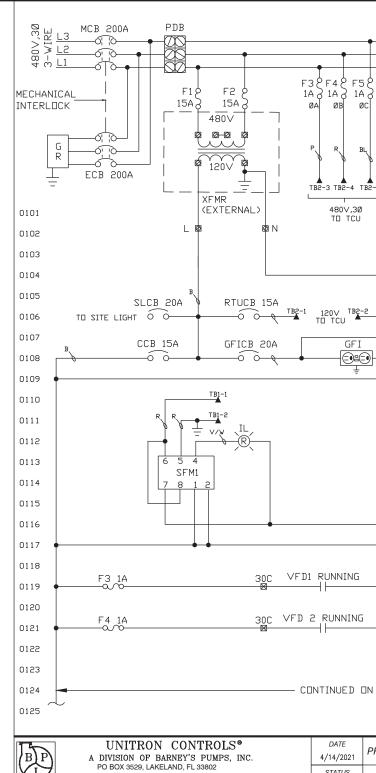
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### SATELLITE LIFT STATION R&R COLONY COVE 6 & MEMPHIS RD DETAILS

•	PROJECT #		١	/ARIES	J. SHE	ANSHAL	IN, P.E	·
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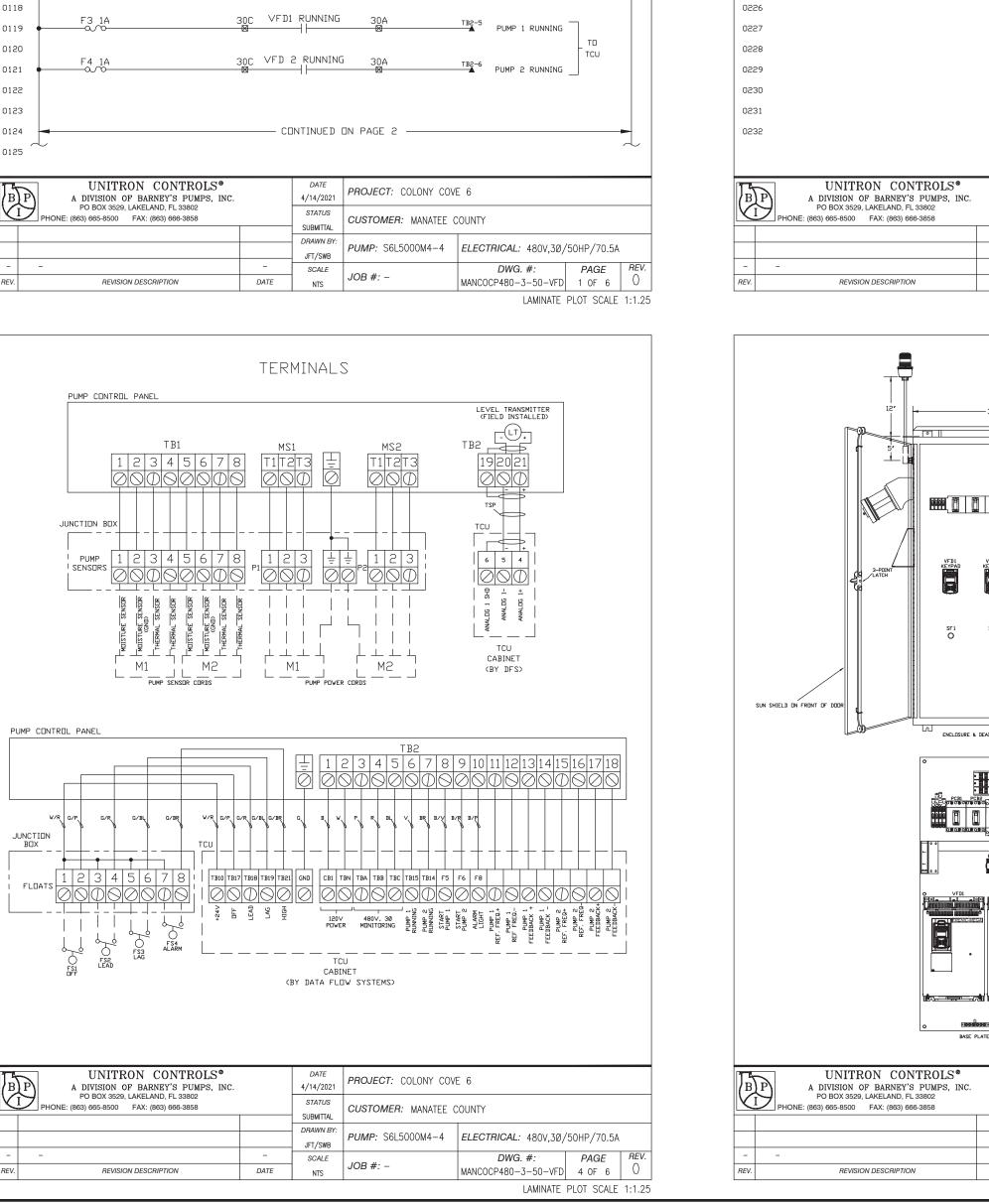
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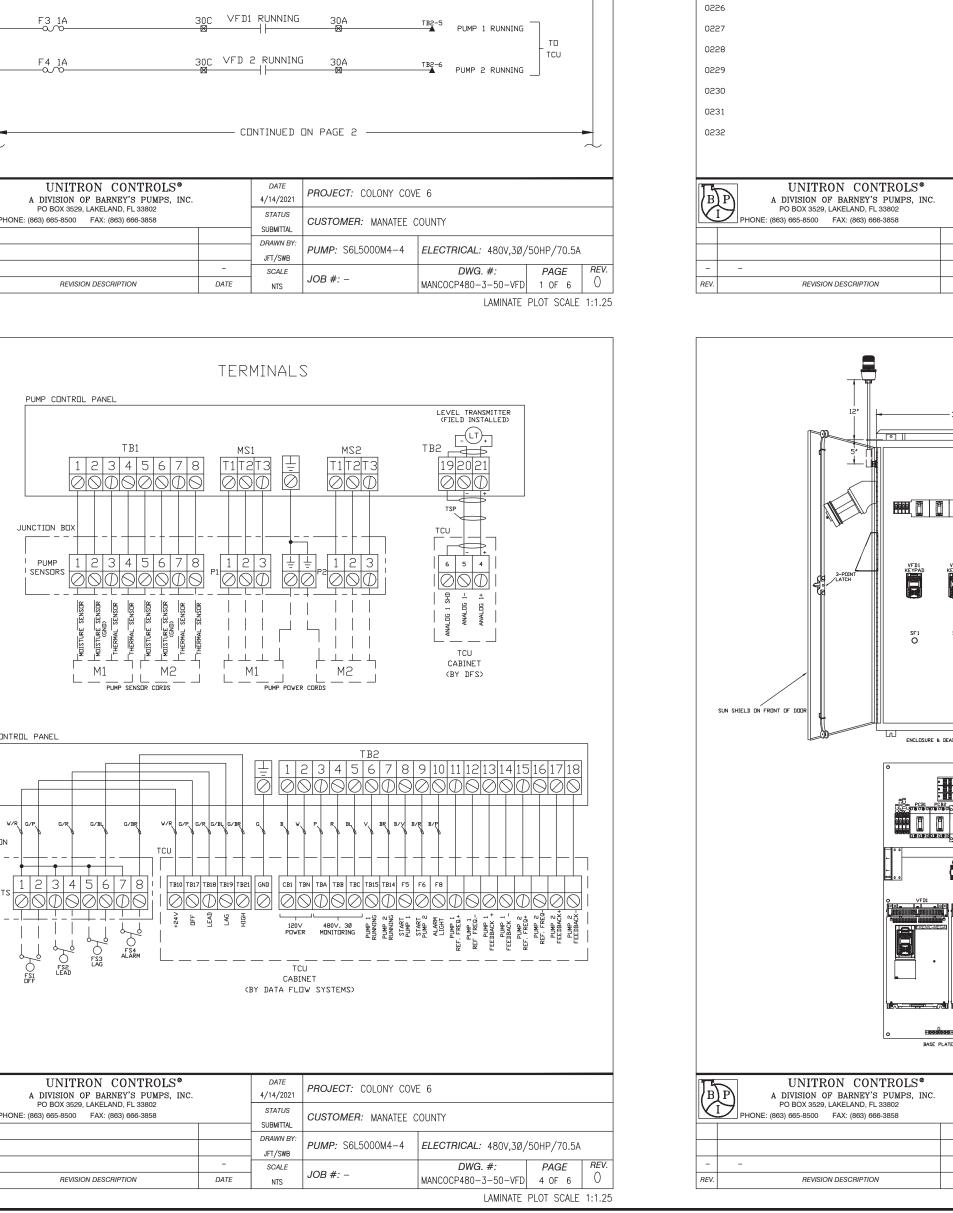
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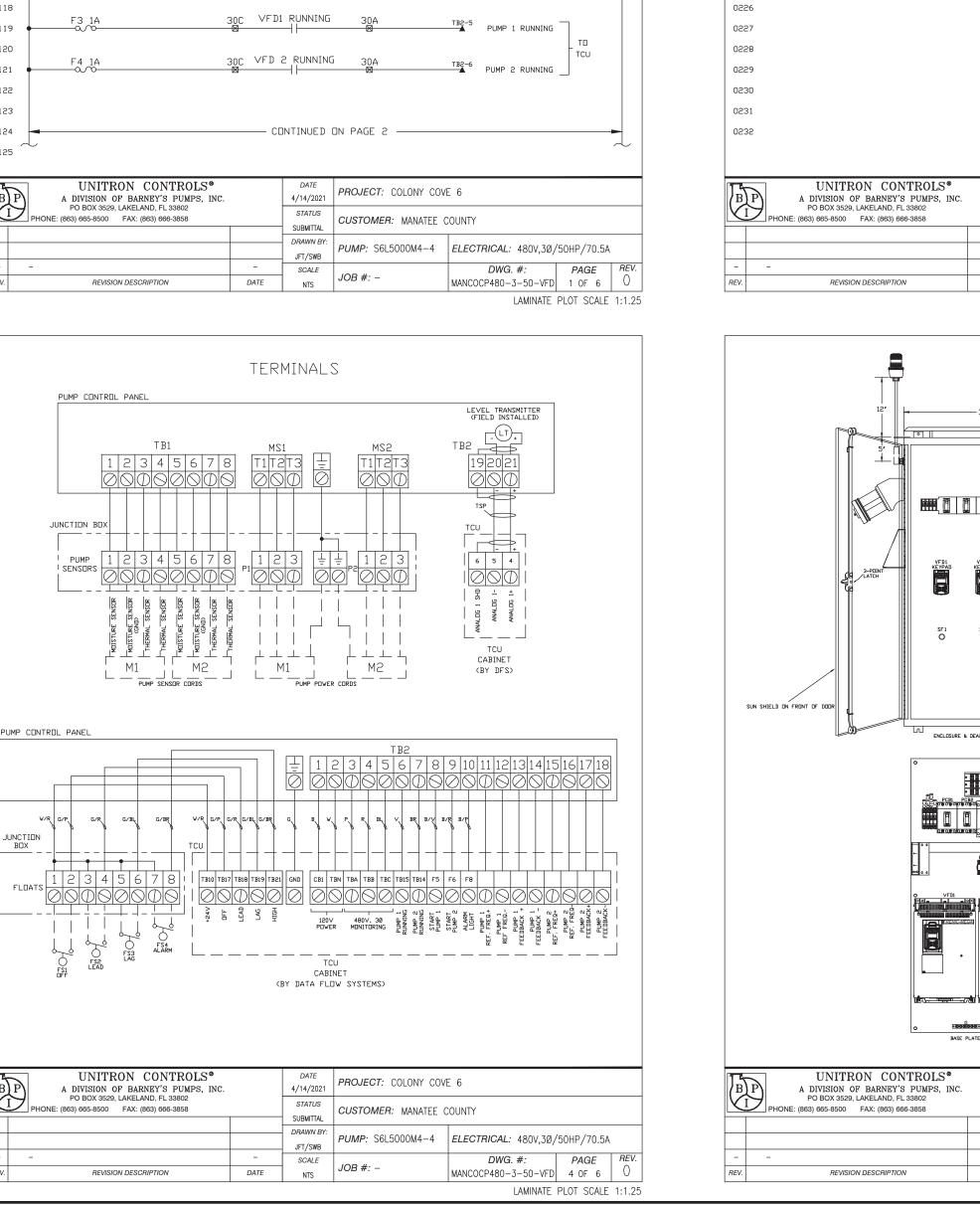
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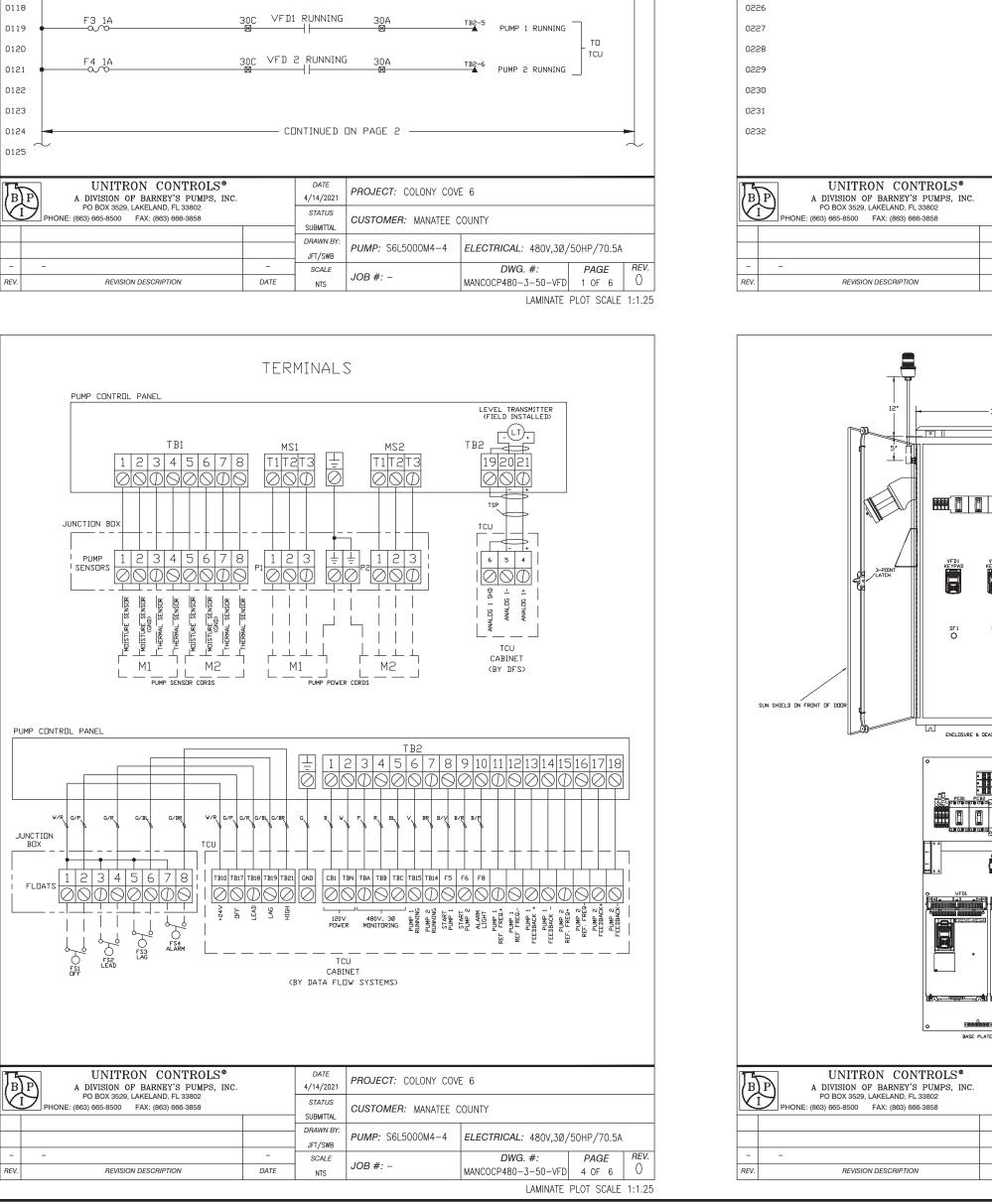
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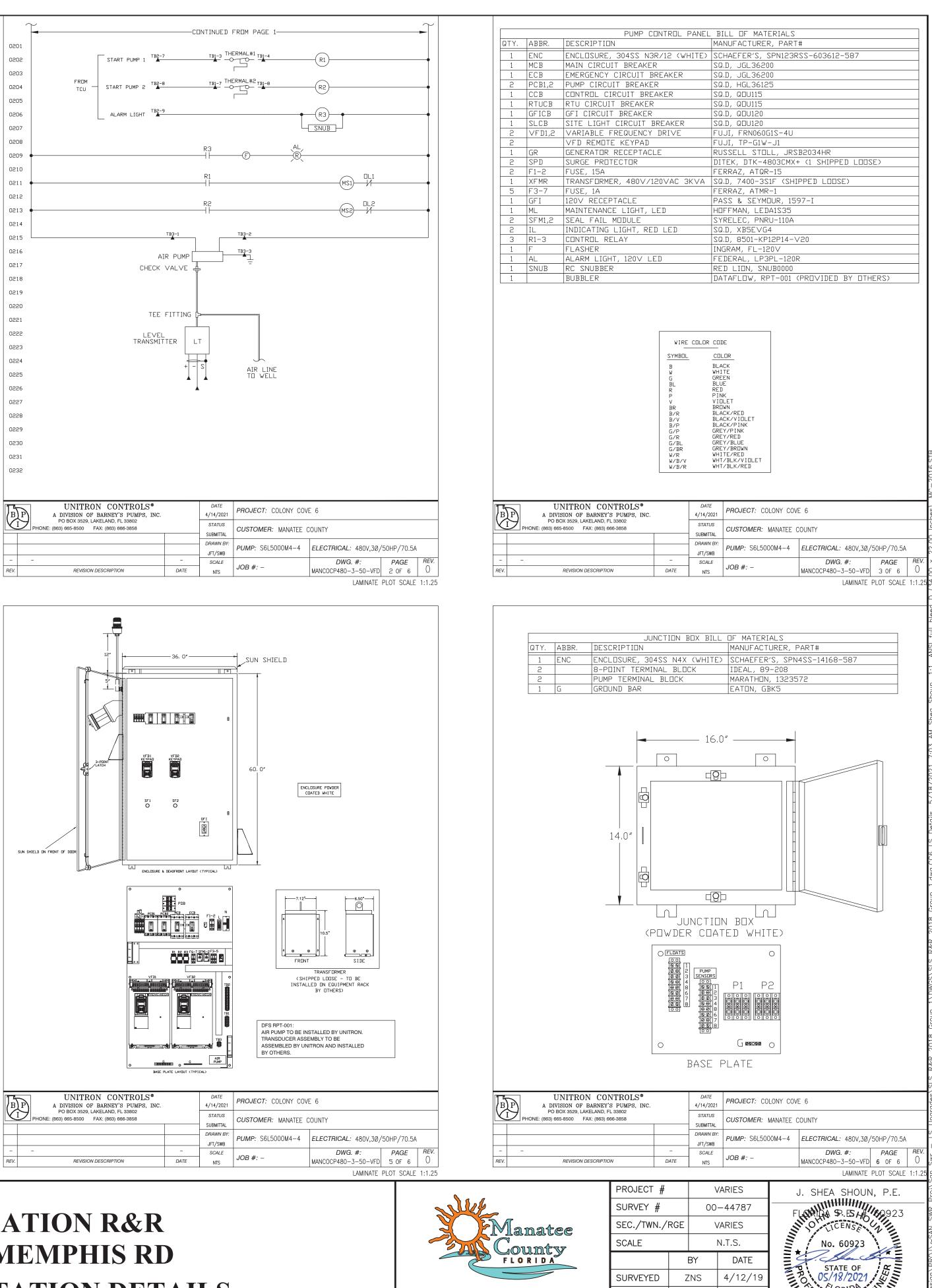




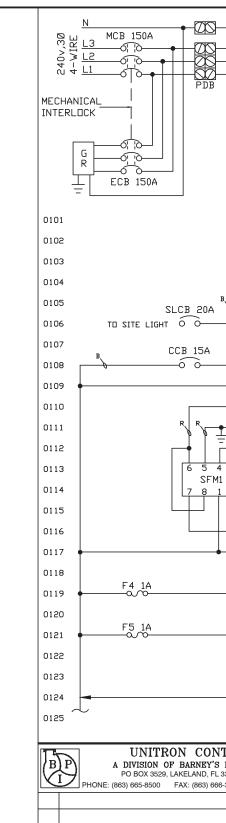


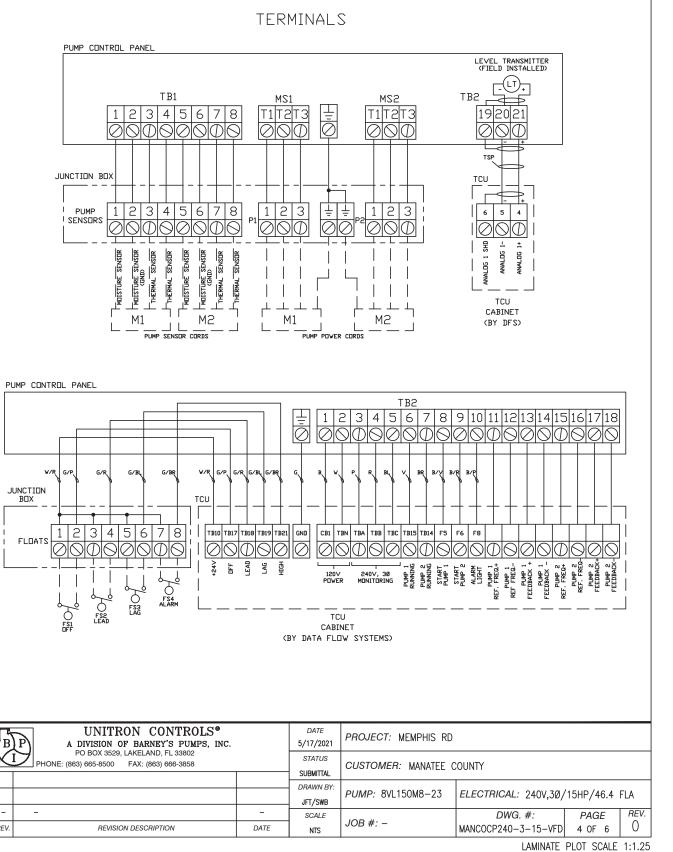
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### **SATELLITE LIFT STATION R&R COLONY COVE 6 & MEMPHIS RD COLONY COVE 6 LIFT STATION DETAILS**



PROJECT #		۱ N	/ARIES	J. SHEA SHOUN, P.E.
SURVEY #		00	-44787	FLORING \$.55 AF 100923
SEC./TWN./	RGE	\ \	/ARIES	FL (14) (14) 9. ES / 60923
SCALE			N.T.S.	No. 60923
		BY	DATE	D STATE OF
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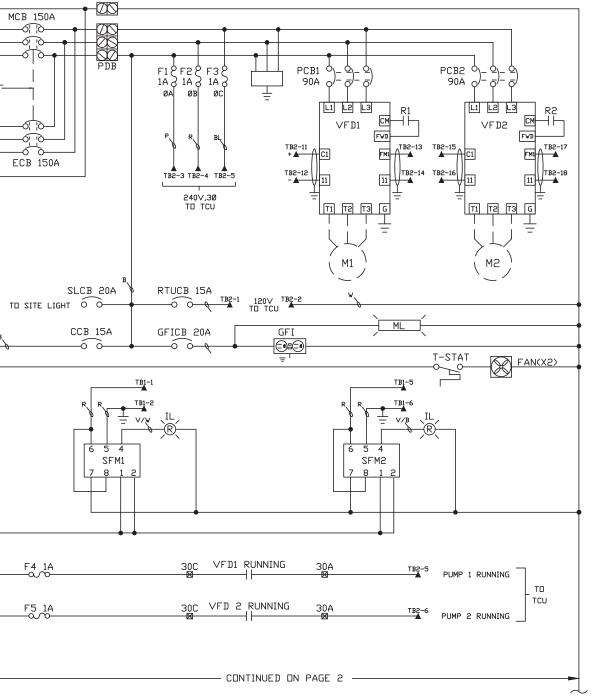
B	HONE: (863) 665-8500
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REV.	REVISION

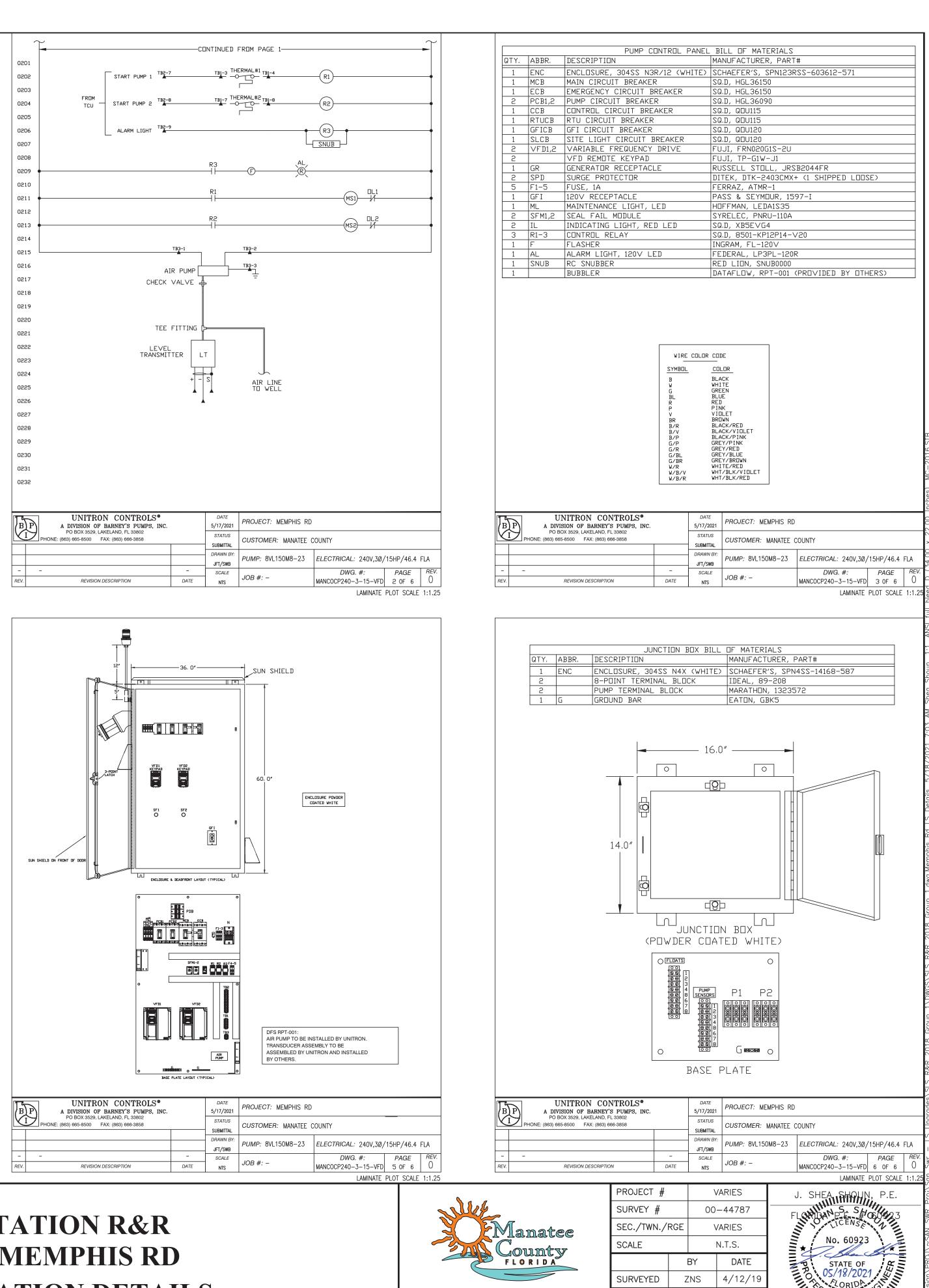
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### **SATELLITE LIFT STATION R&R COLONY COVE 6 & MEMPHIS RD MEMPHIS RD LIFT STATION DETAILS**

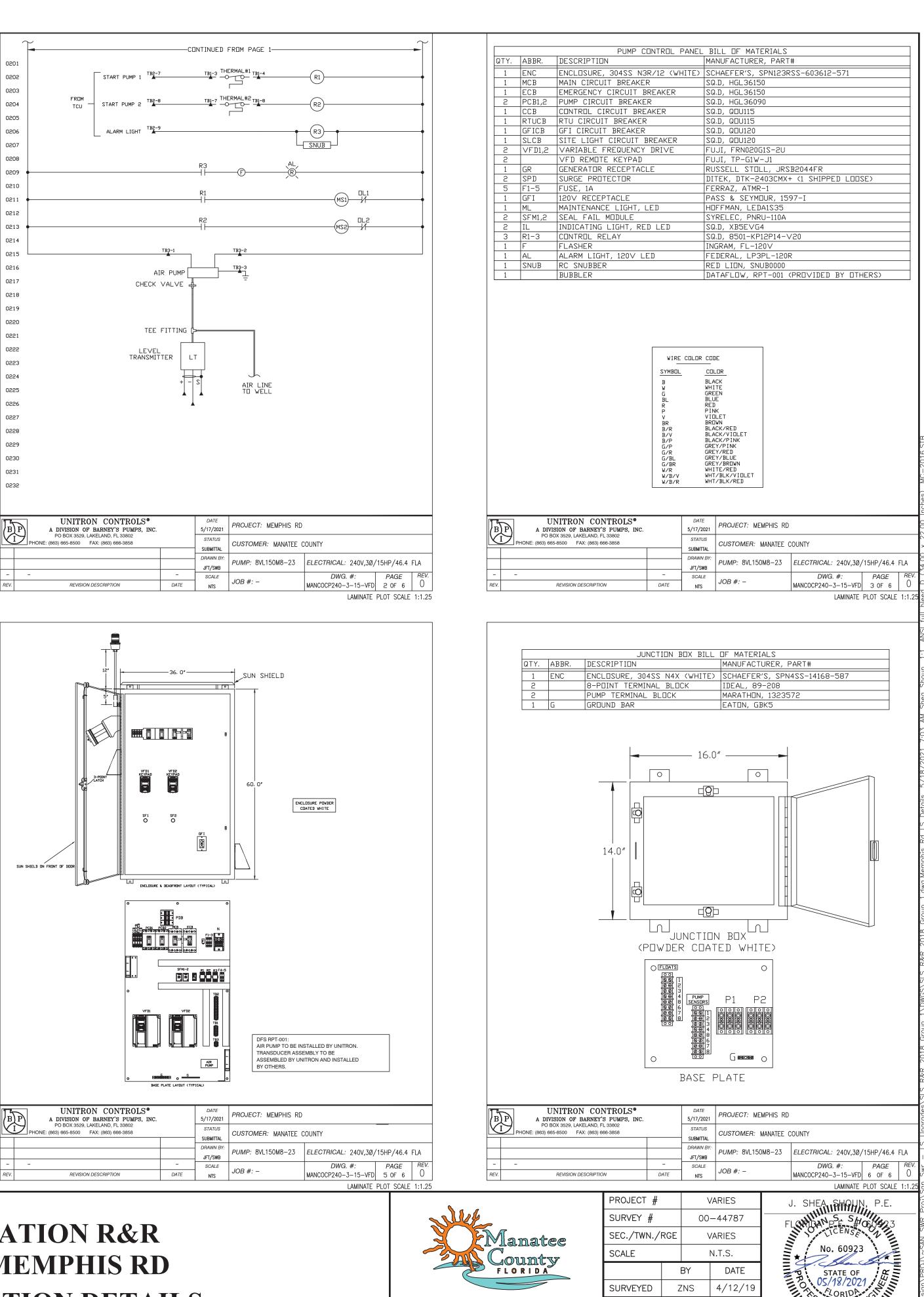
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UNITRON CONTROLS® VISION OF BARNEY'S PUMPS, INC. BOX 3529, LAKELAND, FL 33802 665-8500 FAX: (863) 666-3858		DATE 5/17/2021	PROJECT: MEMPHIS RD		
		<i>STATUS</i> SUBMITTAL	CUSTOMER: MANATEE COUNTY		
		DRAWN BY: JFT/SWB	PUMP: 8VL150M8-23	ELECTRICAL: 240V,30/	′15HP/46.4 FLA
REVISION DESCRIPTION	– DATE	SCALE NTS	JOB #: -	DWG. #: MANCOCP240-3-15-VFD	PAGE REV. 1 OF 6 0
				LAMINATE	PLOT SCALE 1:1.25

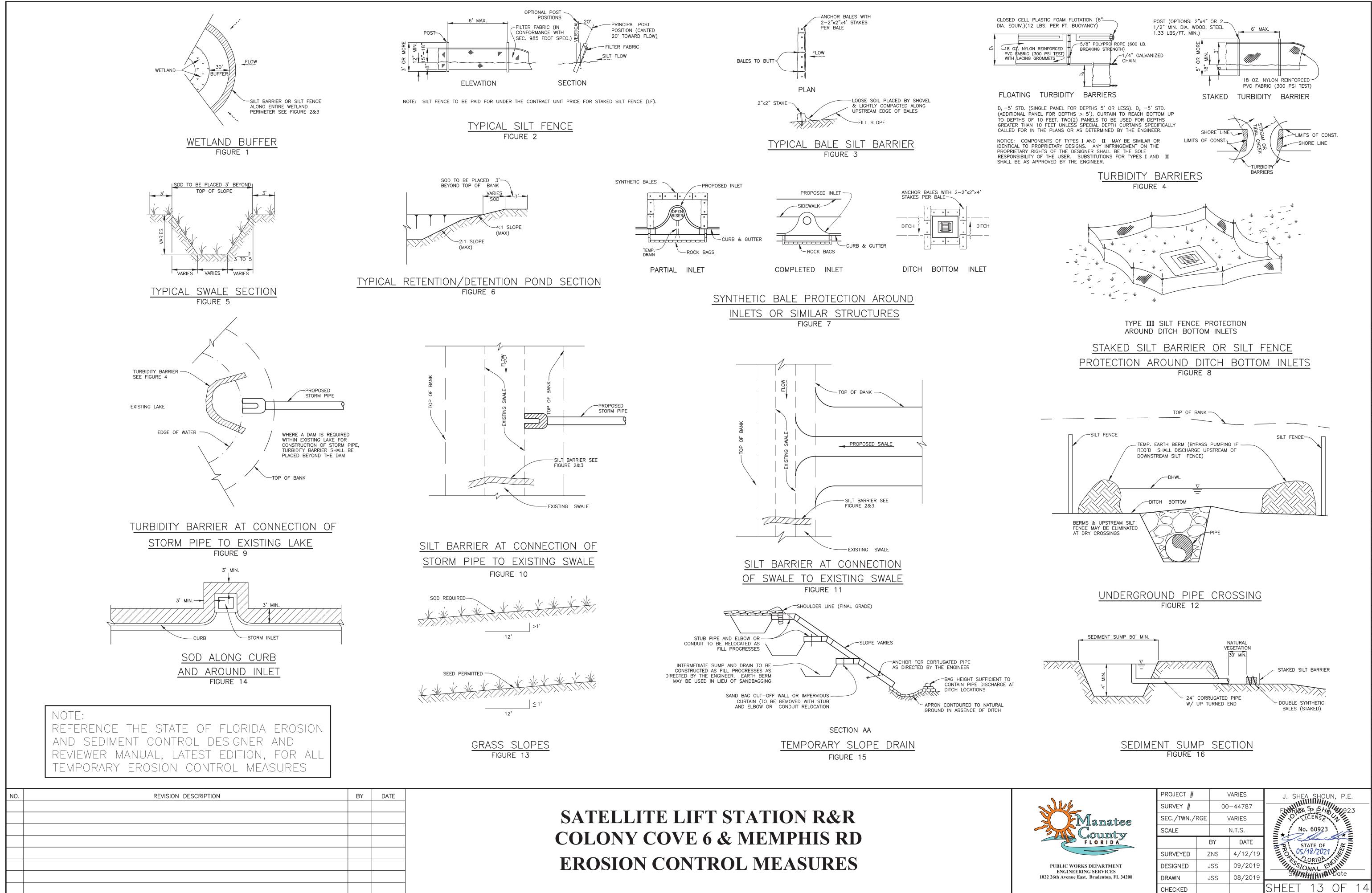




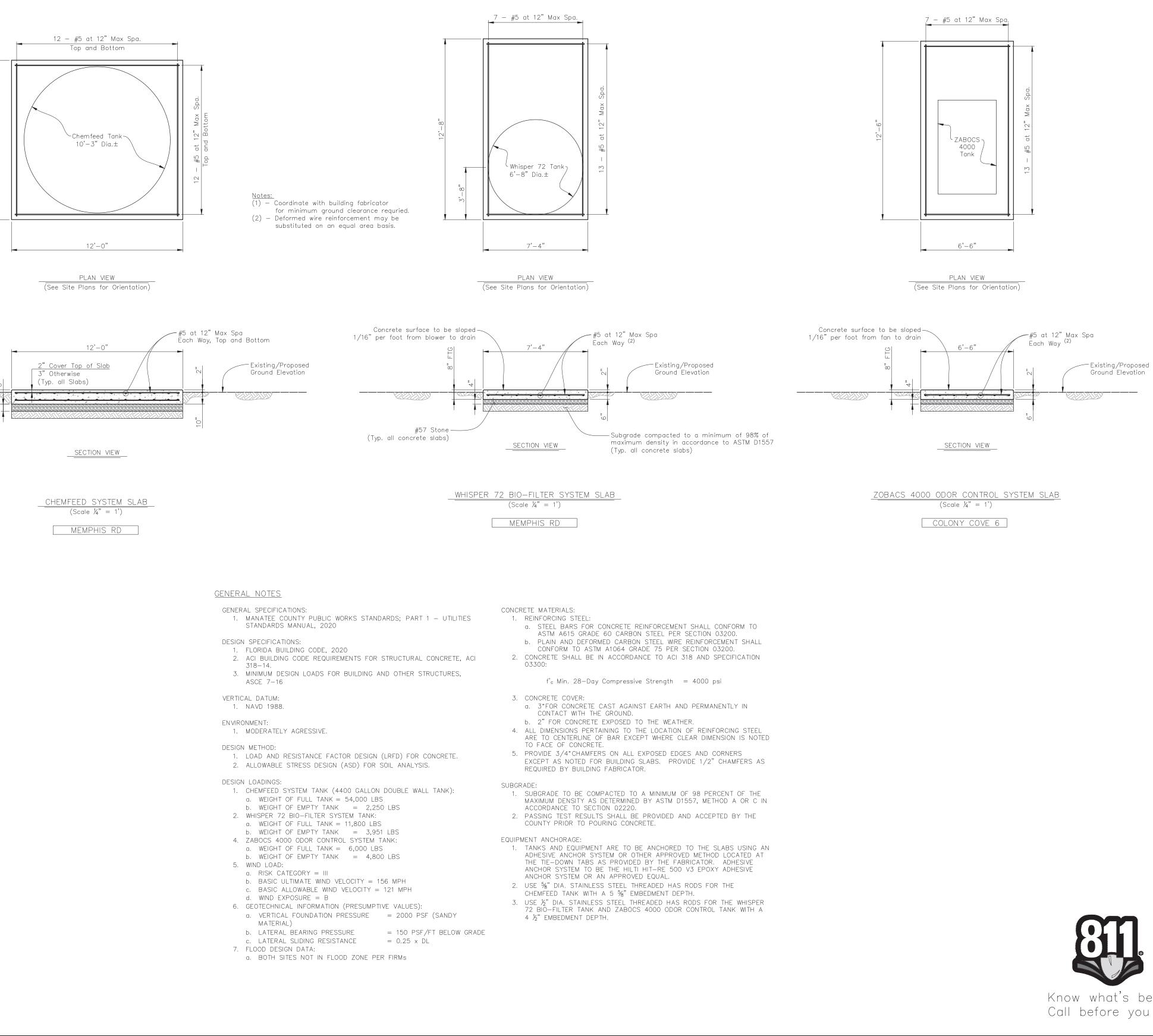
UNITRON CONTROLS <sup>®</sup> A DIVISION OF BARNEY'S PUMPS, INC.			DATE 5/17/2021	PROJECT: MEMPHIS RD		
	PO BOX 3529, LAKELAND, FL 33802 PHONE: (863) 665-8500 FAX: (863) 666-8500		STATUS			
$\vdash$	FILCINE. (603) 005-8500 FAX. (803) 000-3658		SUBMITTAL	CUSTOMER: MANATEE (	COUNTY	
			DRAWN BY:	PUMP: 8VL150M8-23	ELECTRICAL: 240V,3Ø/	/15HD
		JFT/SWB		TOWN . OVETOOMO 20		
-	-	-	SCALE	JOB #: -	DWG. #:	PA
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					LAMINATE	PLOT



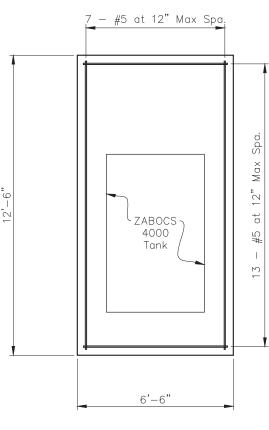
PROJECT #		VARIES	J. SHEA, SHOUN, P.E.
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NO. REVISION DESCRIPTION BY DATE



### SATELLITE LIFT STATION R&R **COLONY COVE 6 & MEMPHIS RD REINFORCED CONCRETE SLAB DETAILS**



Know what's below Call before you dig



	PROJECT #	404	-6061082	STEVEN M. LANEY, P.E.	
	SURVEY # SEC./TWN./RGE SCALE		-44787	FLORIDAN PLELIIH, 46449	
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