

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT S:\PWD_Engineering_Share\Util_Eng_Design\PROJ\~SAN SWIR Proj\San Swr - LS Upgrades\SLS R&R 2014 Grp 2\DWOS\active-SLS R&R 2014 8:17 AM Shee Shoun, 1:1, Ledger

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

* INFORMATION TAKEN FROM LIFT STATION DATA
FILE (LSINFO.XLS 2013) & RECORD DRAWINGS.
DATUM FOR ELEVATIONS COULD NOT BE
VERIFIED.



1. CONTRACTOR SHALL NOT BACKFILL OVER ELECTROFUSED COUPLINGS UNTIL INSPECTOR HAS VISUALLY CHECKED IT FOR LEAKS DURING PUMP STARTUP OR PRESSURE TEST AS DIRECTED BY THE COUNTY.
2. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS.
3. THE CONCRETE SHALL BE GIVEN A BROOM FINISH. THE SURFACE VARIATIONS SHALL BE NOT MORE THAN 1/4" UNDER A TEN FOOT (10') STRAIGHTEDGE, NOT MORE THAN 1/8" ON A FIVE FOOT (5') TRANSVERSE SECTION. THE EDGE OF THE CONCRETE PAD SHALL BE CAREFULLY FINISHED WITH A EDGING TOOL HAVING A RADIUS OF 1/2".
4. EXPANSION JOINT: EXPANSION JOINTS BETWEEN THE CONC. PAD AND THE WET WELL SHALL BE 1/2" MATERIAL AND SHALL MEET THE REQUIREMENTS OF AASHTO M153 OR AASHTO M213.
5. THE EXTERIOR SURFACES OF THE CONCRETE WET WELL AND VALVE PAD EXPOSED ABOVE GRADE SHALL BE COATED WITH AT LEAST TWO COATS OF H & C SILICONE ACRYLIC CONCRETE STAIN, PATIO GREEN, MANUFACTURED BY FLR PAINTS. THE ABOVE GROUND VALVE ASSEMBLY & PIPING SHALL BE PAINTED, RUSTOLEUM 7538 HUNTER GREEN. CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT OVER-SPRAY OF PAINT ONTO THE CONCRETE SLAB.
6. ALL PAINTING & VEGETATION REMOVAL SHALL BE INCLUDED IN THE BID ITEM, MISCELLANEOUS WORK.

INSTALL CONC. SLAB

INSTALL PIPE BRACING SYSTEM SEE DETAIL SHEET

INSTALL PREFABRICATED HDPE FLANGE ADAPTER W/S.S. BACKING PLATE, SHOP FUSED, 2 TYP.

INSTALL 4" WEIGHTED LEVER TYPE SWING CHECK VALVE, (2 TYP.)

INSTALL 4" GATE VALVES, 3 TYP

INSTALL 4" 90° BEND, DI

INSTALL SPOOL PIECE, DI, 2 TYP., (AS REQUIRED)

INSTALL 3" DIA. BRONZE TAG

CONNECT TO EX. FM

INSTALL 4" GATE VALVE, MJ

INSTALL ½" TAPPED HOLE W/BRASS PLUG

INSTALL 4" TEE, DI (2 TYP.)

INSTALL 4" ALUM. QUICK CONNECT. (QUICK CONNECT SHALL BE PLACED ON THE SIDE OF THE WET WELL THAT IS CLOSEST TO THE LIFT STATION DRIVEWAY/ACCESS)

INSTALL NEW HOSE BIBB W/ CONC. FILLED PVC PIPE

INSTALL NEW METER & BFP (PER COUNTY STANDARDS)

INSTALL ADJUSTABLE S.S. FLANGED VALVE SUPPORTS, (2 TYP.)

INSTALL MOLDED 90° ELBOW, SHOP FUSED (2 TYP.)

SLOPE AWAY FROM PAD TO EXISTING GRADE

INSTALL 6" THICK CONC. PAD, CLASS 1, 3,000 PSI @ 28 DAYS ON COMPACTED SOIL (TOP ELEVATION TO MATCH WET WELL RIM ELEVATION)

CONNECT TO EX. FM

90° BEND, DI

INSTALL 316 SS PIPE BRACING SYSTEM WITH LATERAL SUPPORT, (2 MIN.). TOP BRACE TO BE 4' FROM TOP. LOWER BRACE TO BE 4' ABOVE BASE ELLS. MAX SPACING OF 8' BETWEEN BRACES.

INSTALL HDPE SDR-11 PIPE, (2 TYP.)

INSTALL NEW 316 SS PUMP GUIDE RAIL SYSTEM COMPOSED OF SINGLE LENGTH (WELDED) 2" PIPES (2 TYP)

INSTALL HDPE SEGMENTED FITTING, SHOP FUSED (2 TYP.), FABRICATE OFFSET AS REQUIRED.

INSTALL PREFABRICATED HDPE FLANGE ADAPTER W/S.S. BACKING PLATE, SHOP FUSED (2 TYP.)

INSTALL NEW 4" BPIU PUMP BASE ELBOWS, (2 TYP.)

INSTALL NEW 4" BASE ELBOW MOUNTING PLATES AND ANCHOR BOLTS; MAY REQUIRE GRINDING OR LEVELING OF BASE GROUT (SEE BASE ELL MOUNTING PLATE DETAIL ON DETAIL SHEET) (2 TYP)

INSTALL APPROVED SPRAY LINER, (±363 SF)

INSTALL 4" SCH 80 PVC VENT W/ SS SCREEN (VENT TO BE IN-LINE AND SAME HEIGHT AS DISCHARGE PIPE)

ELEC. PANEL

CONT. PANEL (REMAIN)

TELEMETRY TOWER (REMAIN)

NOTES:

- CONTRACTOR SHALL REMOVE AND INSTALL NEW ELECTRICAL STRUCTURE (RACK) AND REMOUNT EX. CONTROL PANEL, METER CAN, AND SAFETY SWITCH (DISCONNECT). NEW ELECTRICAL STRUCTURE SHALL BE FIELD LOCATED WITH MANATEE COUNTY PERSONNEL.
- CONTRACTOR SHALL INSTALL NEW BFP, METER, & HOSE BIBB ASSEMBLY. FIELD LOCATE WITH MANATEE COUNTY PERSONNEL.
- CONTRACTOR SHALL INSTALL NEW APPROX. 25' X 20' 6"-HIGH VINYL COATED CHAIN-LINK FENCE W/ SLATS AND 2'-6" WIDE GATES FACING THE ROAD AND SHELL & WEED BARRIER.
- CONTRACTOR TO INSTALL NEW 10' X 12' CONC. DRIVEWAY PER MANATEE COUNTY STANDARDS AND SHALL BE FIELD LOCATED WITH MANATEE COUNTY PERSONNEL.

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