



MANATEE COUNTY, FLORIDA

SATELLITE LIFT STATION R&R

2014 GROUP 1

402-0019707 / 5001301

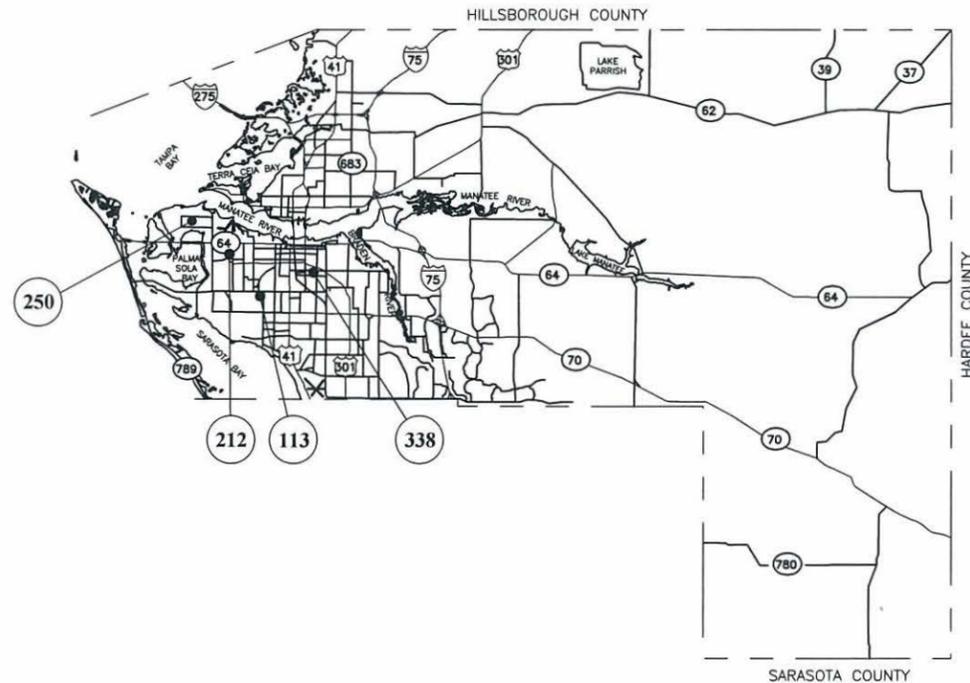
MARCH 2014

THESE PLANS HAVE BEEN DESIGNED ON 11x17 SHEETS

SATELLITE LIFT STATION R&R
2014 GROUP 1
COVER SHEET

100% PLANS

L.S. NAME/NO.	RTU #	ADDRESS	PROJECT JL NO.
COLLEGE PLAZA	113	4408 34TH ST. W.	5005102
THE OAKS	212	1300 WATER OAK WAY	5005103
FIDDLER'S GREEN	250	1312 91ST ST. CT. NW.	5005105
S-2	338	2312 8TH ST. W.	5005106



NO.	INDEX OF SHEETS
1.	COVER SHEET
2.	GENERAL NOTES & LEGEND
3.	VICINITY MAPS
4.	COLLEGE PLAZA (RTU 113)
5.	THE OAKS (RTU 212)
6.	FIDDLER'S GREEN (RTU 250)
7.	S-2 (RTU 338)
8.-9.	SEWER DETAILS
10.	EROSION CONTROL

PROJECT DESCRIPTION

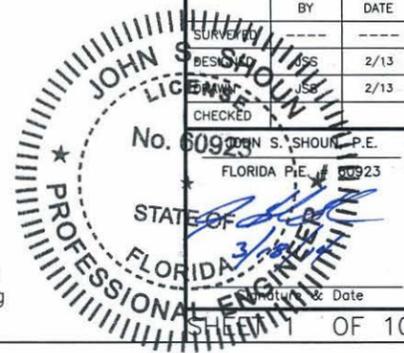
REHABILITATE SEWAGE LIFT STATIONS TO REDUCE RISK TO PUBLIC HEALTH AND ENVIRONMENTAL POLLUTION. THE WORK SHALL CONSIST OF, BUT NOT LIMITED TO, WET WELL CLEANING, THE REPLACEMENT OF DISCHARGE PIPING, FITTINGS, VALVES, SWING CHECK VALVES, GUIDE RAILS, PIPE BRACINGS, BASE ELLS, AND/OR MOUNTING PLATES. WET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

FIDDLER'S GREEN LIFT STATION WILL CONSIST OF THE INSTALLATION OF A NEW WET WELL, VALVE ASSEMBLY, AND ALL OTHER ASSOCIATED ITEMS. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF THE EXISTING WET WELL AND VALVE VAULT STRUCTURES.

NO.	DATE	BY	REVISION DESCRIPTION

PROJECT #	402-0019707 / 5001301
SURVEY #	-
SEC./TWN./RGE	-
SCALE	N.T.S.

BY	DATE
DESIGNED	2/13
CHECKED	2/13
NO. 60923	
FLORIDA P.E. # 80923	
STATE OF FLORIDA	
PROFESSIONAL ENGINEER	
SIGNATURE & DATE	



EXISTING

NOTES:

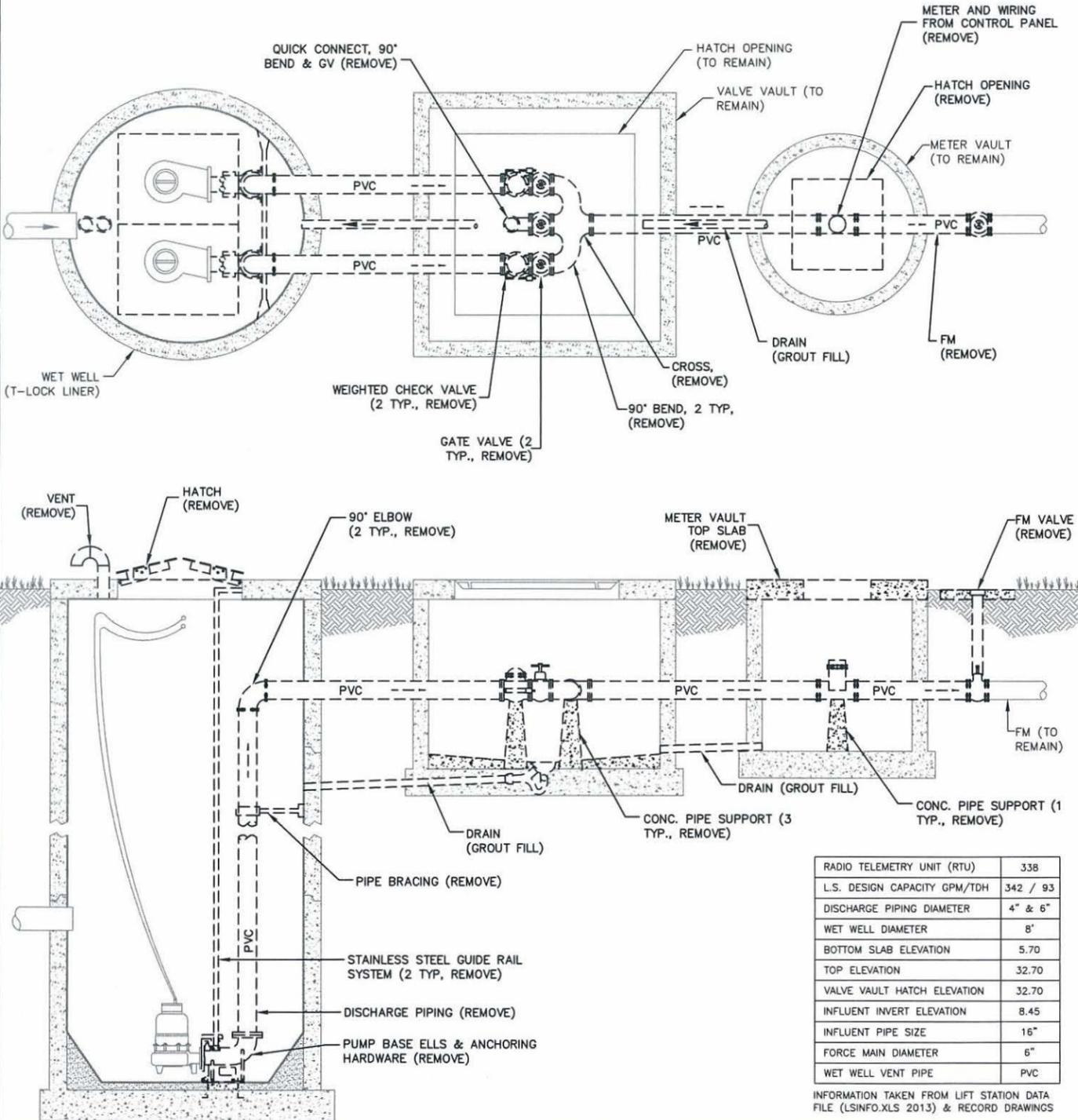
1. THE WET WELL AND VALVE VAULT CONFIGURATION SHOWN ON THESE GRAPHICS IS FOR IDENTIFICATION OF COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, CONFIGURATION, ETC. FOR ACCURACY.
2. THE CONTRACTOR/BIDDER SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
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.



RADIO TELEMETRY UNIT (RTU)	338
L.S. DESIGN CAPACITY GPM/TDH	342 / 93
DISCHARGE PIPING DIAMETER	4" & 6"
WET WELL DIAMETER	8"
BOTTOM SLAB ELEVATION	5.70
TOP ELEVATION	32.70
VALVE VAULT HATCH ELEVATION	32.70
INFLUENT INVERT ELEVATION	8.45
INFLUENT PIPE SIZE	16"
FORCE MAIN DIAMETER	6"
WET WELL VENT PIPE	PVC

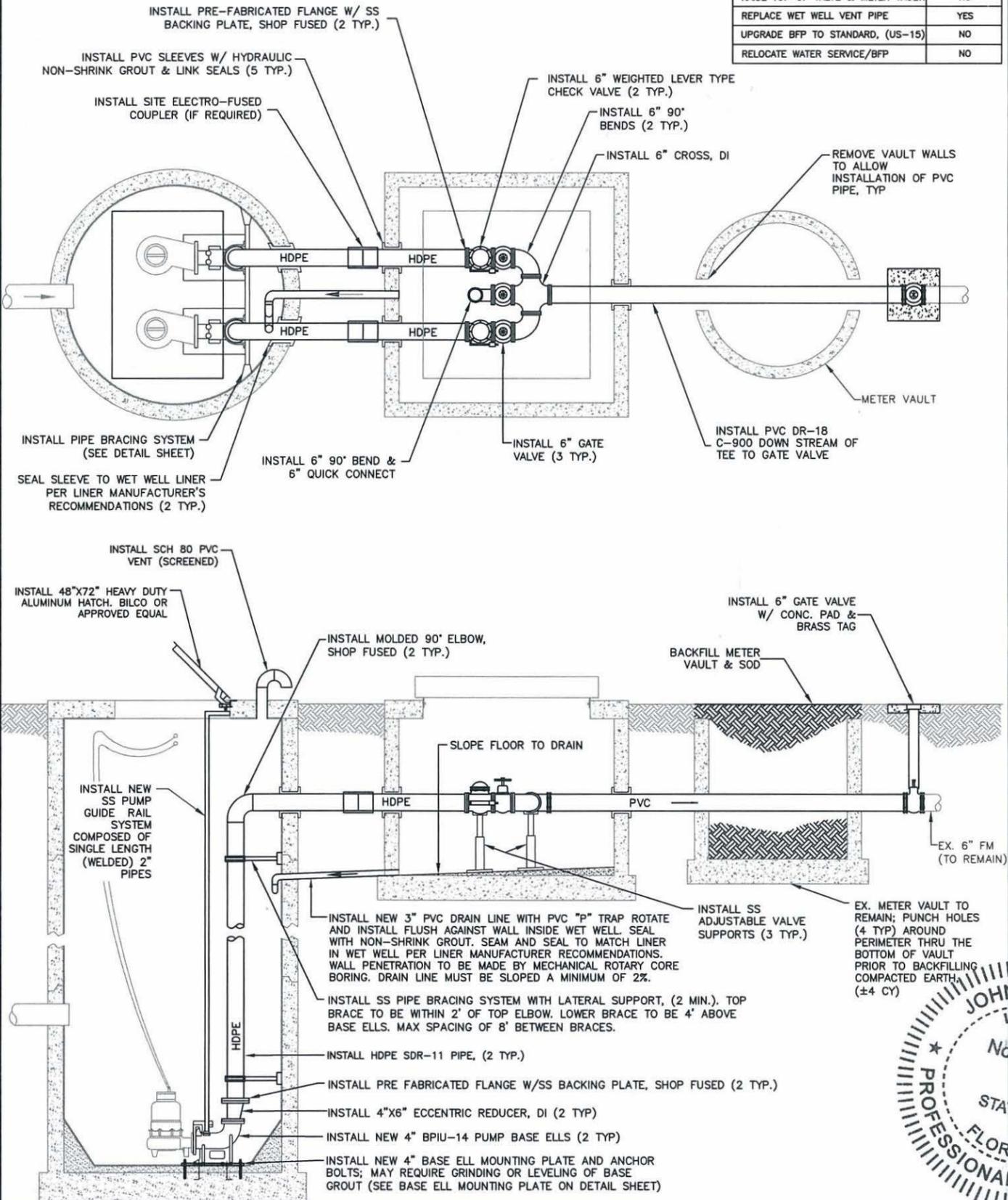
INFORMATION TAKEN FROM LIFT STATION DATA FILE (LSINFO.XLS 2013) & RECORD DRAWINGS

PROPOSED

INSTALL FIBERGLASS W.W. LINER	NO
APPLY SPRAY LINER W.W. LINER	NO
INSTALL STILLING WELL	NO
INSTALL G.V. OUTSIDE OF METER BOX	YES
NEW HDPE PIPING IN W.W.	YES, 6"
NEW BASE ELL	4" BPIU-14
RAISE TOP OF WET WELL:	NO
RAISE TOP OF VALVE & METER VAULT:	NO
REPLACE WET WELL VENT PIPE	YES
UPGRADE BFP TO STANDARD, (US-15)	NO
RELOCATE WATER SERVICE/BFP	NO

NOTES:

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 ENGINEER.
2. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS.



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SATELLITE LIFT STATION R&R 2014 GROUP 1 S-2, RTU 338

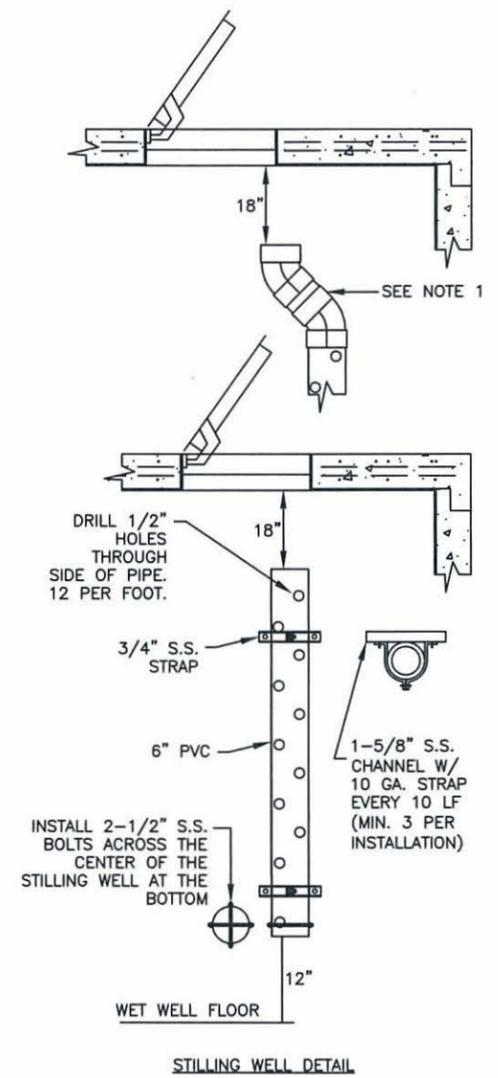
DATE	
BY	
REVISION DESCRIPTION	
NO.	
PROJECT #	402-0019707 / 5005106
SURVEY #	
SEC./TWN./RGE	36/34/17
SCALE	N.T.S.
BY	DATE
SURVEYED	---
DESIGNED	2/13
DRAWN	2/13
CHECKED	
JOHN S. SHOUN, P.E.	
* FLORIDA P.E. # 60923	
Signature	Date



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THESE PLANS HAVE BEEN DESIGNED ON 11x17 SHEETS

SATELLITE LIFT STATION R&R 2014 GROUP 1 DETAILS



NOTES:

1. STILLING WELL FOR LEVEL TRANSDUCER REQUIRED FOR RE-PUMP STATIONS ONLY. FOR LARGER LIFT STATIONS, PROVISIONS SHALL BE MADE TO MAKE THE TOP OF THE STILLING WELL VISIBLE AND ACCESSIBLE FROM THE HATCH OPENING, I.E. 45° FITTINGS, ETC.
2. REFER TO STANDARD DETAILS US-17, US-18 & US-19 FOR PUMP STATION DETAILS.
3. NYLON LOCK NUTS SHALL BE USED AT ALL TIMES IN THE WET WELL, EXCEPT BASE ELLS & PIPE BRACING ANCHOR BOLTS CAN ALSO BE DOUBLE NUT.

**PUMP STATION
STILLING WELL DETAILS**

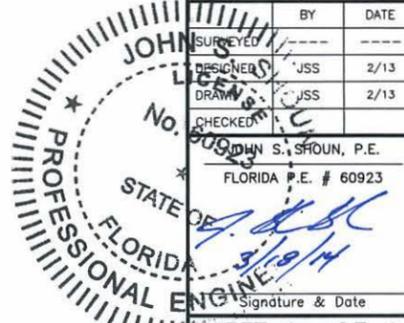
NTS

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	402-0019707 / 5001301
SURVEY #	-
SEC./TWN./RGE	-
SCALE	N.T.S.

	BY	DATE
SURVEYED	JSS	2/13
DESIGNED	JSS	2/13
DRAWN	JSS	2/13
CHECKED	JSS	2/13

JOHN S. SHOUN, P.E.
FLORIDA P.E. # 60923



Signature & Date

