







# EXISTING

## NOTES:

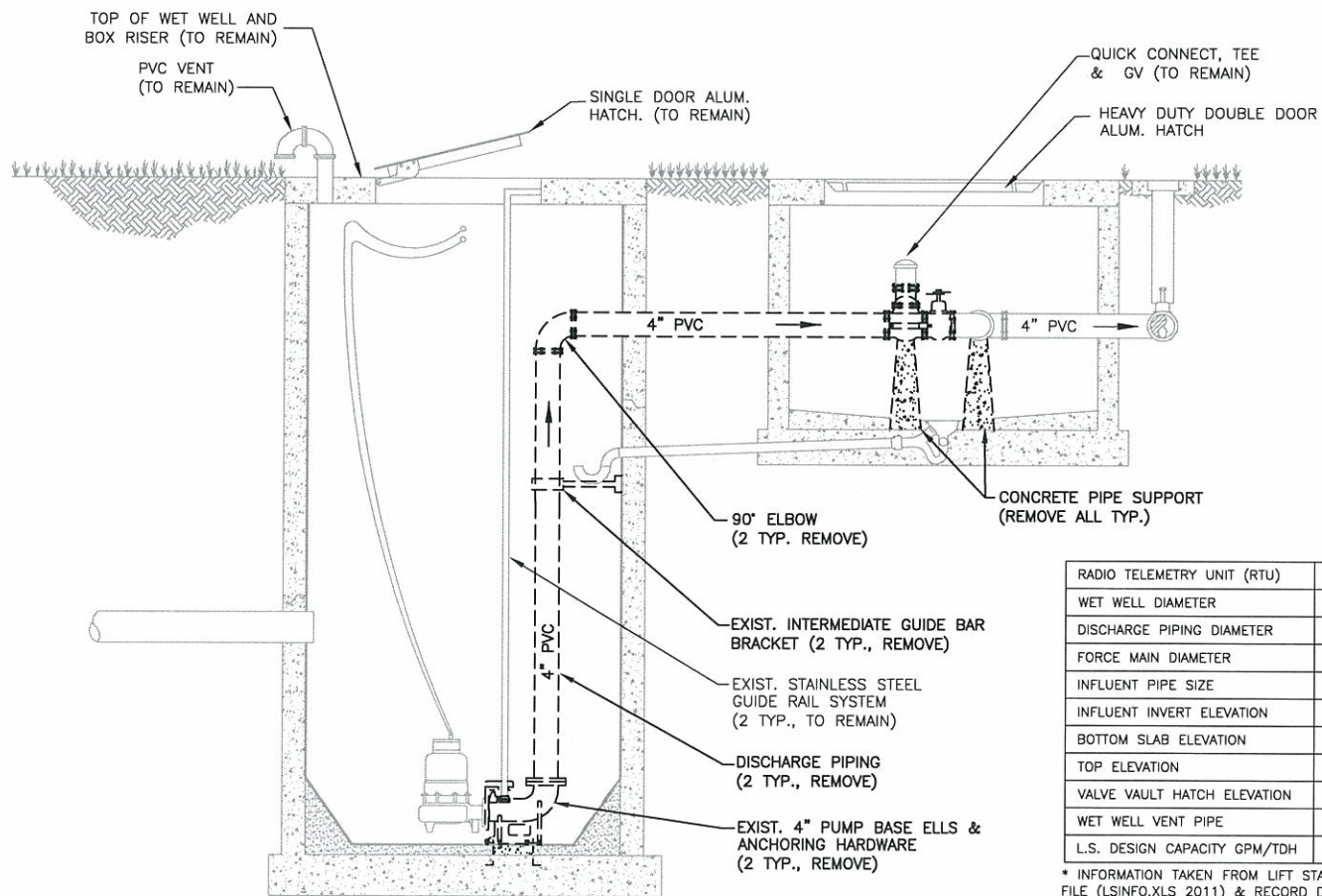
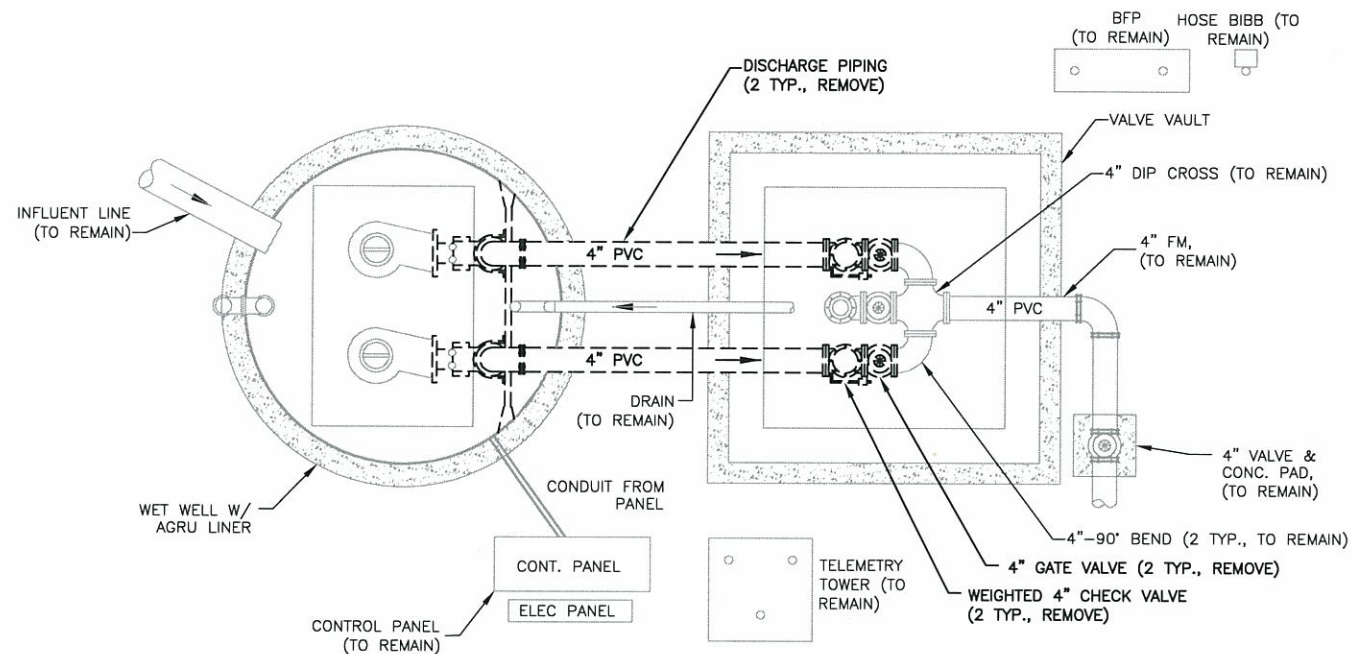
1. THE WET WELL AND VALVE VAULT CONFIGURATION SHOWN ON THESE GRAPHICS IS FOR IDENTIFICATION OF COMPONENTS TO BE REMOVED. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, CONFIGURATION, ETC. FOR ACCURACY.
2. THE CONTRACTOR/BIDDER SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
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)	337
WET WELL DIAMETER	6'
DISCHARGE PIPING DIAMETER	4"
FORCE MAIN DIAMETER	4"
INFLUENT PIPE SIZE	8"
INFLUENT INVERT ELEVATION	15.61
BOTTOM SLAB ELEVATION	10.00
TOP ELEVATION	23.50
VALVE VAULT HATCH ELEVATION	23.50
WET WELL VENT PIPE	PVC
L.S. DESIGN CAPACITY GPM/TDH	140/87'

\* INFORMATION TAKEN FROM LIFT STATION DATA FILE (LSINFO.XLS 2011) & RECORD DRAWINGS

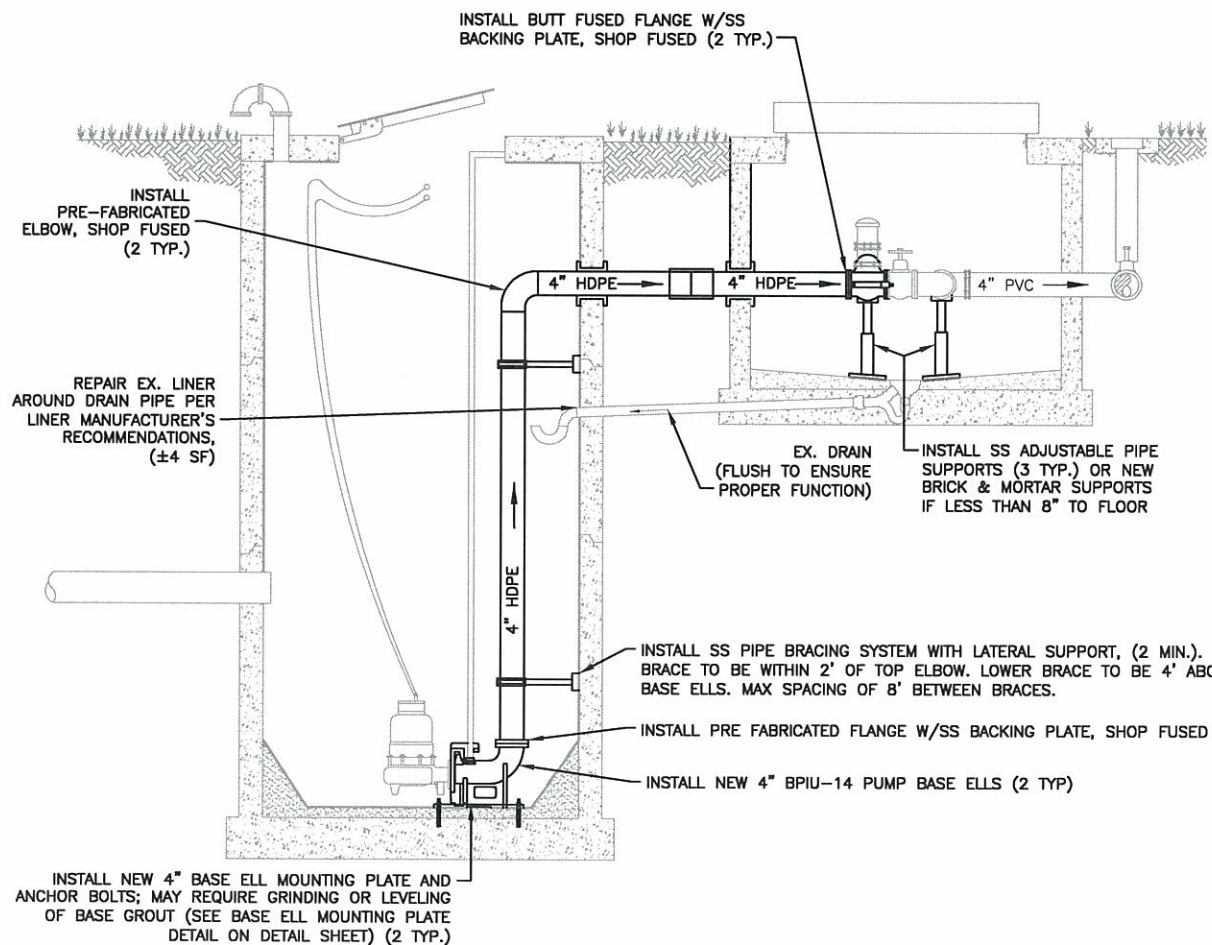
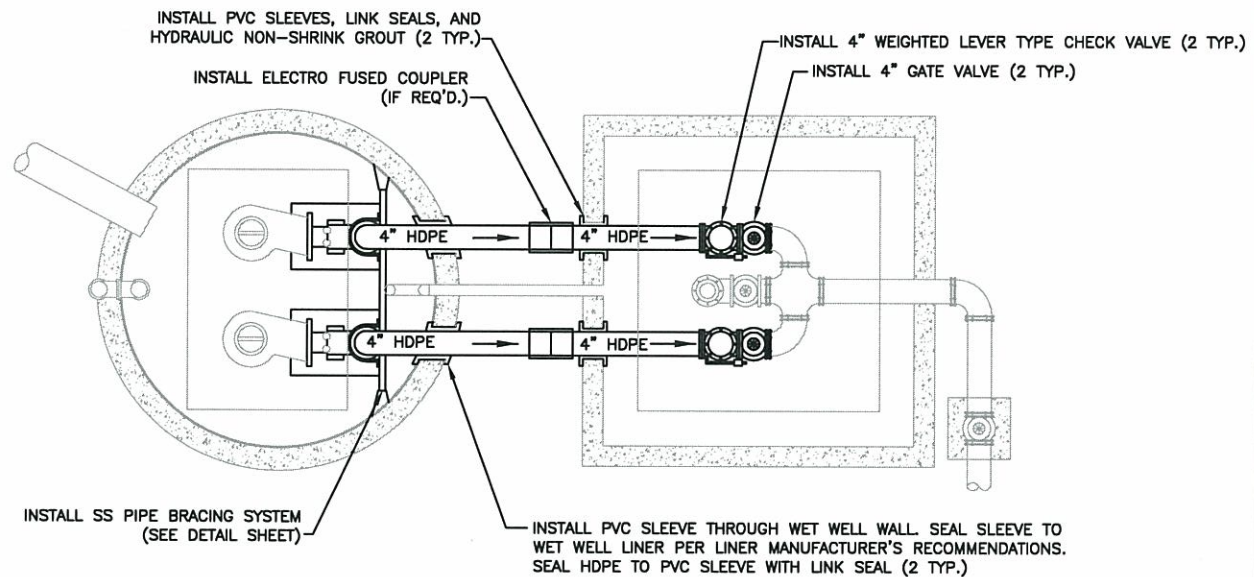
# PROPOSED

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

## NOTES:

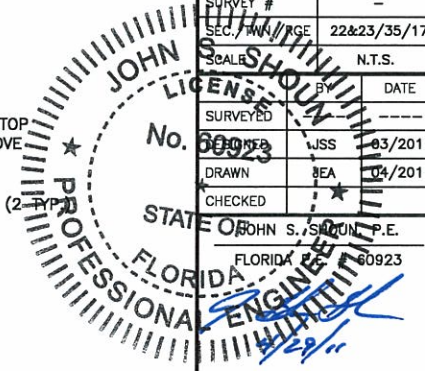
1. CONTRACTOR SHALL NOT BACKFILL OVER ELECTROFUSED COUPLINGS UNTIL INSPECTOR HAS VISUALLY CHECKED IT FOR LEAKS DURING PUMP STARTUP OR PRESSURE TEST AS DIRECTED BY THE ENGINEER.

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



# FY 2011 LIFT STATION REHABILITATION GROUP 3 COUNTRY PALMS, RTU 337

DATE	
BY	
REVISION DESCRIPTION	
NO.	
PROJECT #	402-0019707 5001332
SURVEY #	
SEC./PAR/RC	22&23/35/17
SCALE	N.T.S.
DATE	
SURVEYED	
WSS	03/2011
DRAWN	BEA 04/2011
CHECKED	
JOHN S. SHOWN, P.E.	
FLORIDA ENGINEER	60923
Signature & Date	

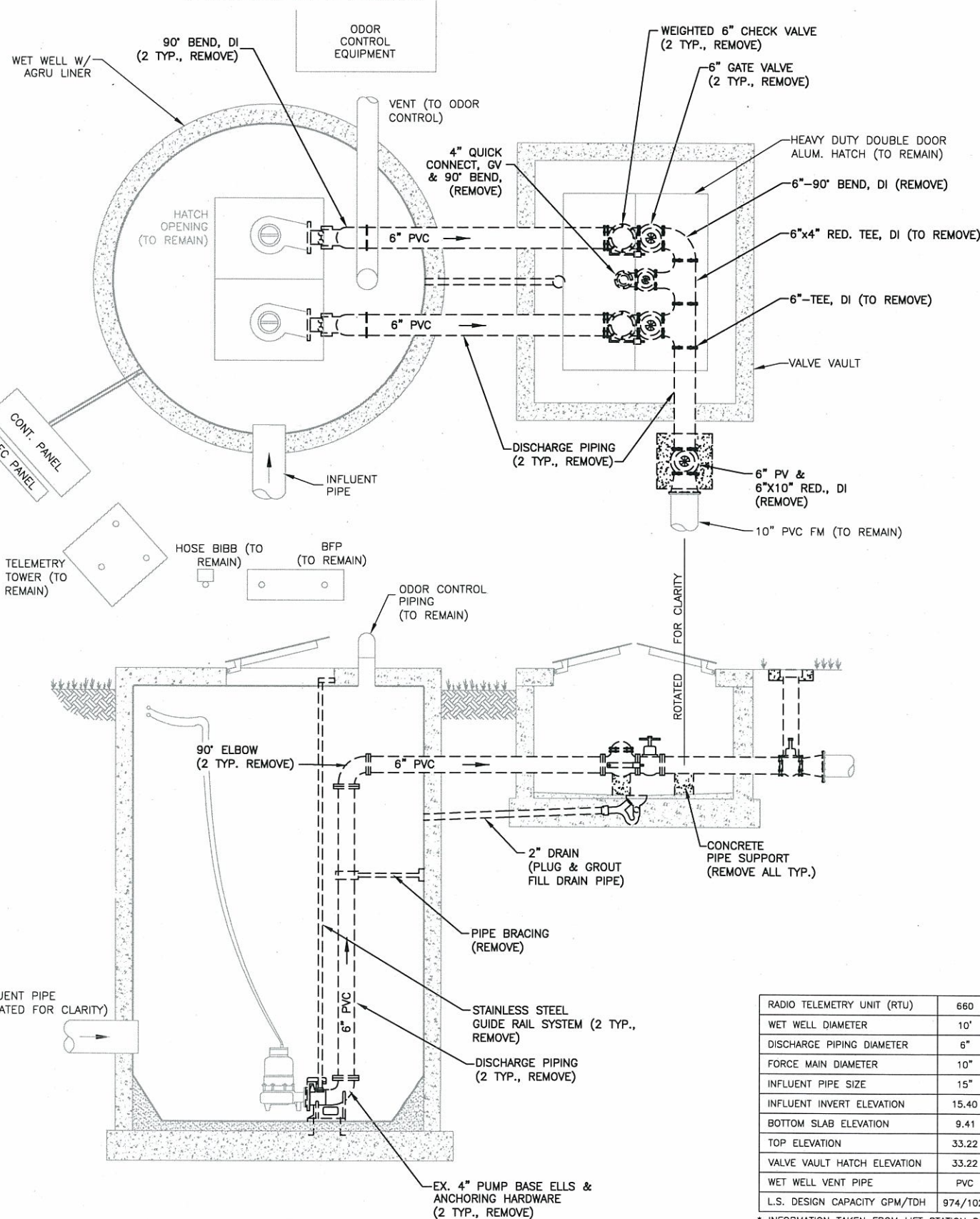


# EXISTING

## NOTES:

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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.
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RADIO TELEMETRY UNIT (RTU)	660
WET WELL DIAMETER	10'
DISCHARGE PIPING DIAMETER	6"
FORCE MAIN DIAMETER	10"
INFLUENT PIPE SIZE	15"
INFLUENT INVERT ELEVATION	15.40
BOTTOM SLAB ELEVATION	9.41
TOP ELEVATION	33.22
VALVE VAULT HATCH ELEVATION	33.22
WET WELL VENT PIPE	PVC
L.S. DESIGN CAPACITY GPM/TDH	974/102'

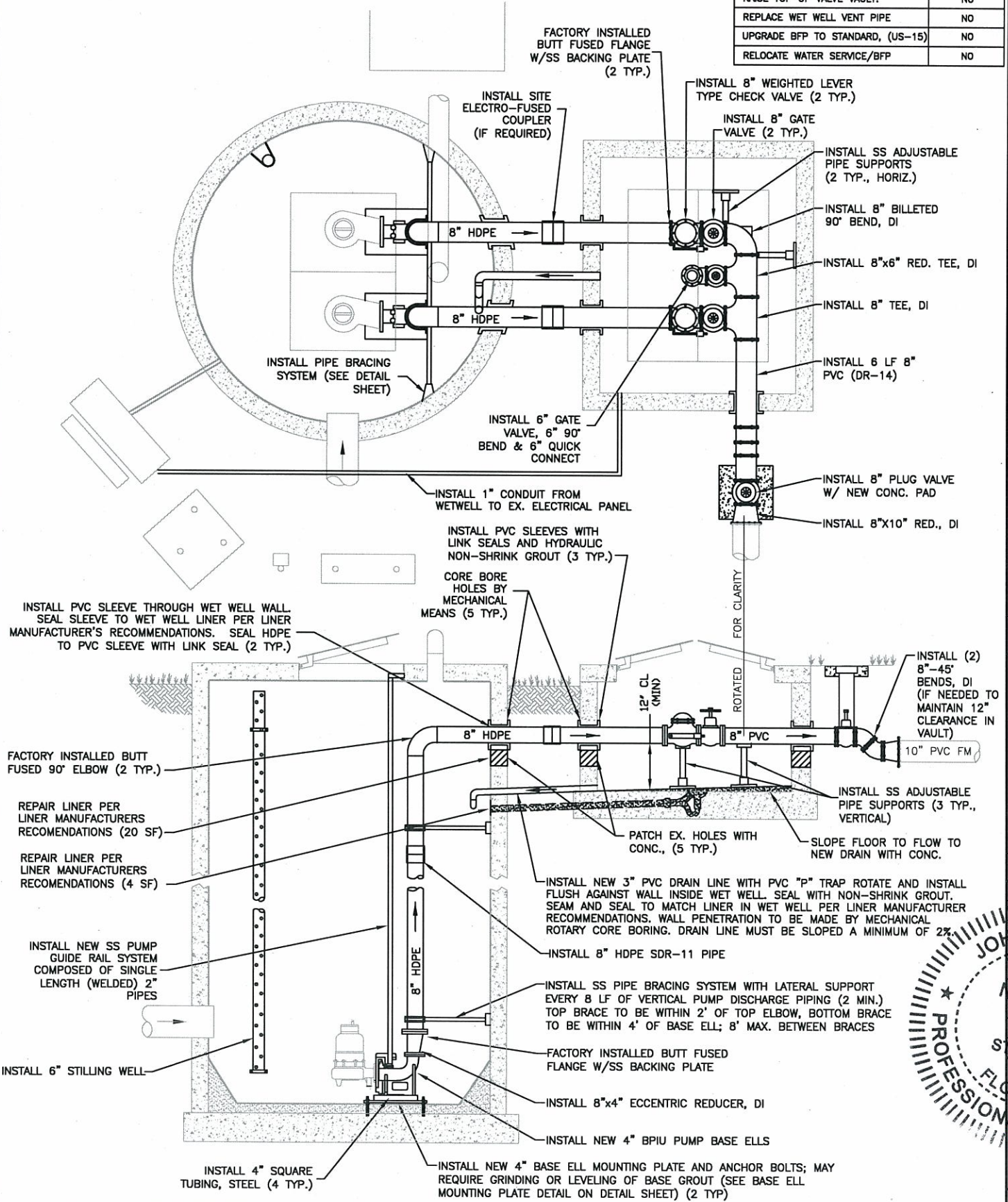
\* INFORMATION TAKEN FROM LIFT STATION DATA FILE (LSINFO.XLS 2011) & RECORD DRAWINGS

# PROPOSED

INSTALL FIBERGLASS W.W. LINER	NO
APPLY SPRAY LINER W.W. LINER	NO
INSTALL STILLING WELL	YES
INSTALL P.V. OUTSIDE OF METER BOX	YES
NEW HDPE PIPING IN W.W.	YES, 8"
NEW BASE ELL	4" BPIU-14
RAISE TOP OF WET WELL:	NO
RAISE TOP OF VALVE VAULT:	NO
REPLACE WET WELL VENT PIPE	NO
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.



# FY 2011 LIFT STATION REHABILITATION GROUP 3 LEGACY 10, RTU 660

DATE	
BY	
REVISION DESCRIPTION	
NO.	
PROJECT #	402-0019707 5001338
DATE	
SCALE	AS SHOWN
DESIGNED	JSS 03/2011
DRAWN	JEA 04/2011
CHECKED	
DATE	
PROF. ENGINEER	JOHN S. SHOUPE FLORIDA P.E. 60923
Signature & Date	4/29/11





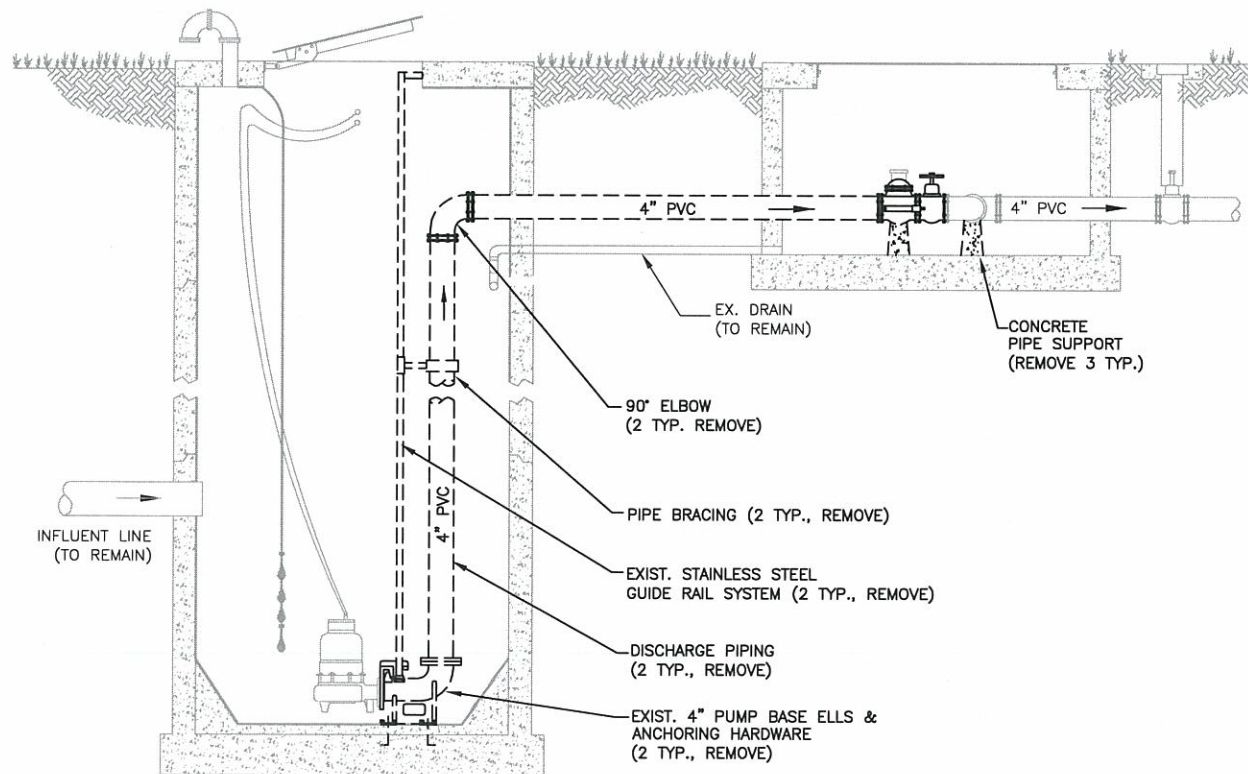
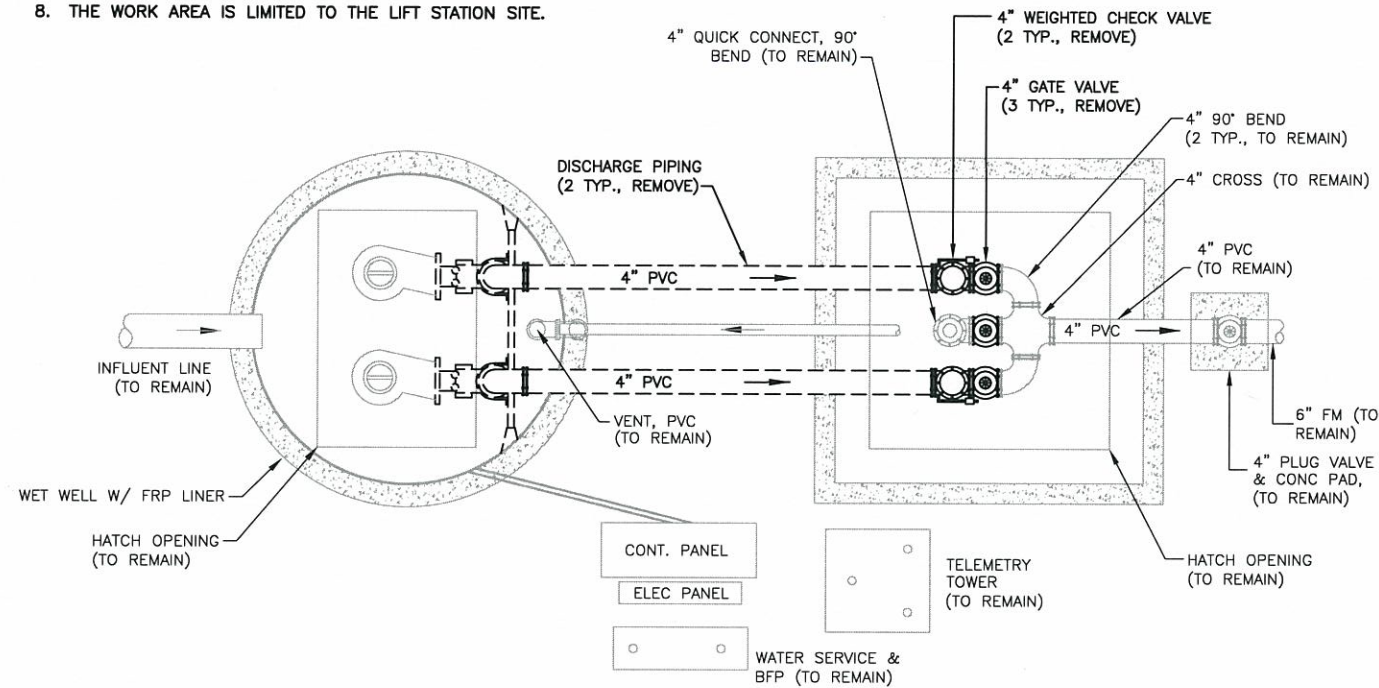
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RADIO TELEMETRY UNIT (RTU)	360
WET WELL DIAMETER	6'
DISCHARGE PIPING DIAMETER	4"
FORCE MAIN DIAMETER	6"
INFLUENT PIPE SIZE	8"
INFLUENT INVERT ELEVATION	24.63
BOTTOM SLAB ELEVATION	19.78
TOP ELEVATION	38.91
VALVE VAULT HATCH ELEVATION	38.91
WET WELL VENT PIPE	PVC
L.S. DESIGN CAPACITY gpm/TDH	105/30'

\* INFORMATION TAKEN FROM LIFT STATION DATA FILE (LSINFO.XLS 2011) & RECORD DRAWINGS

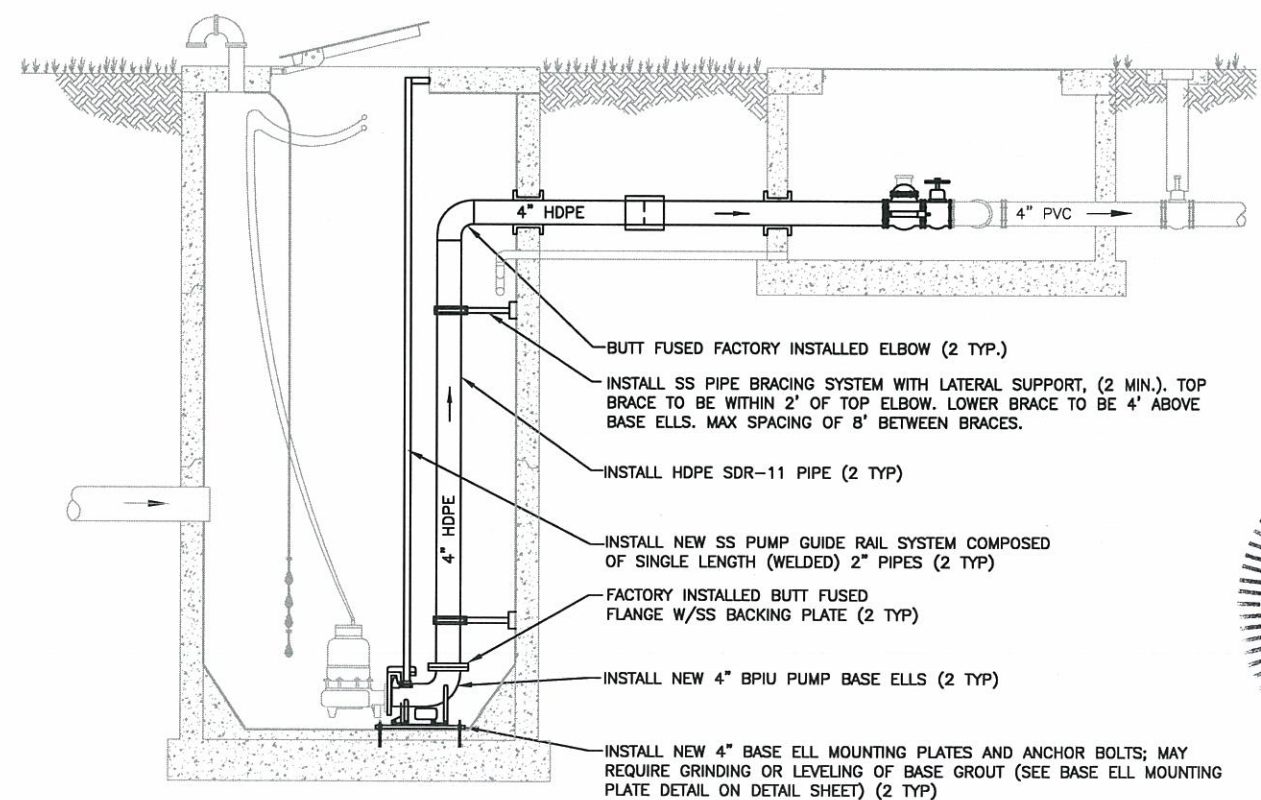
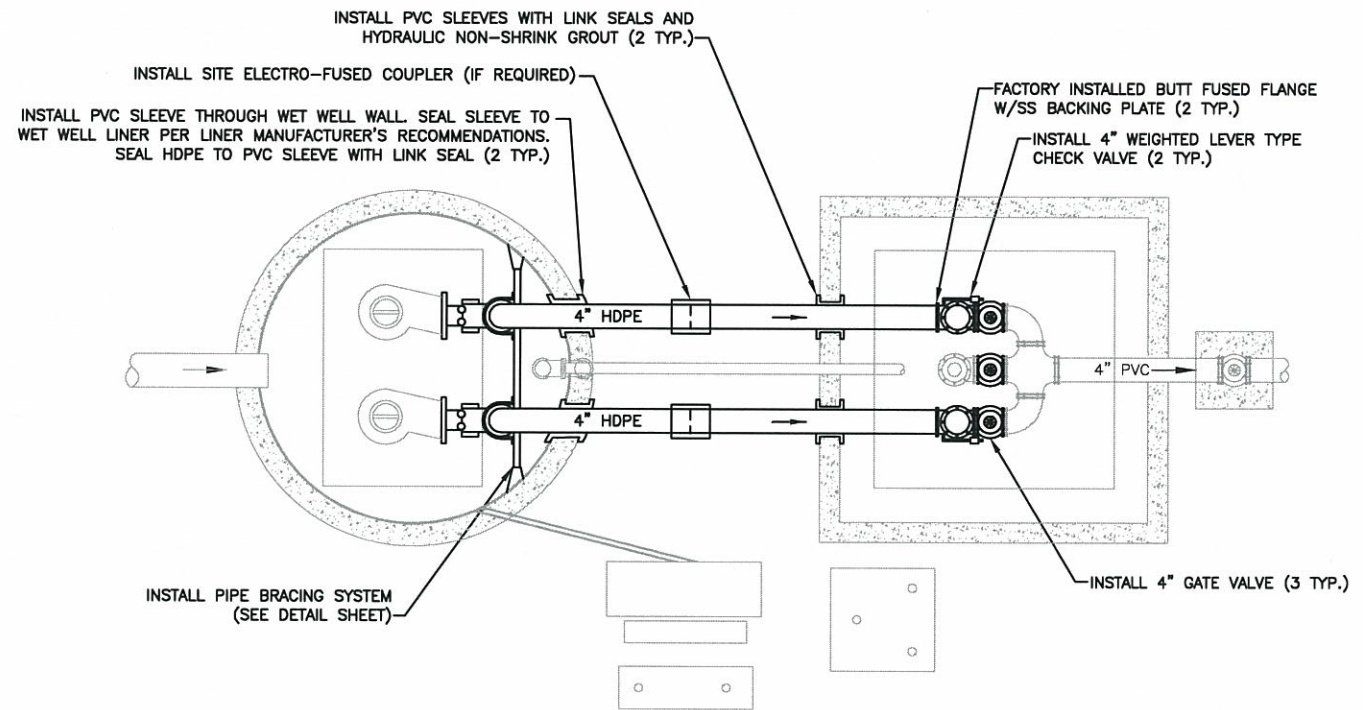


# PROPOSED

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

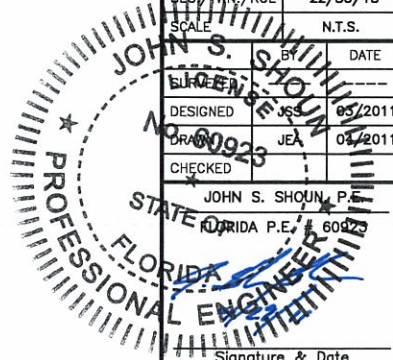
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# FY 2011 LIFT STATION REHABILITATION GROUP 3 ROSEDALE 2, RTU 360

DATE	
BY	
REVISION DESCRIPTION	
NO.	
PROJECT #	402-0019/07 5001334
SURVEY #	
SEC./TWN./RGE	22/35/18
SCALE	N.T.S.
DESIGNED	JES 05/2011
DRAWN	JEA 04/2011
CHECKED	
JOHN S. SHOUN, P.E.	FLORIDA P.E. # 6082
Signature & Date	



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