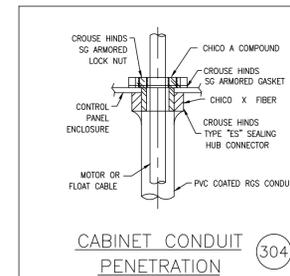
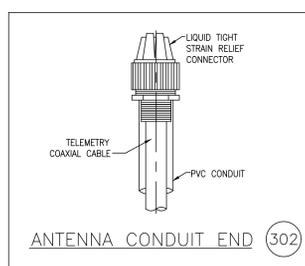
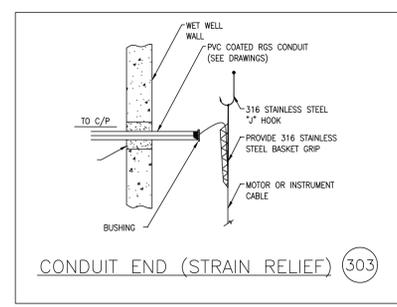
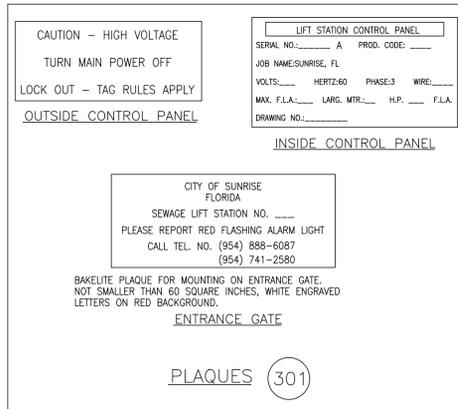
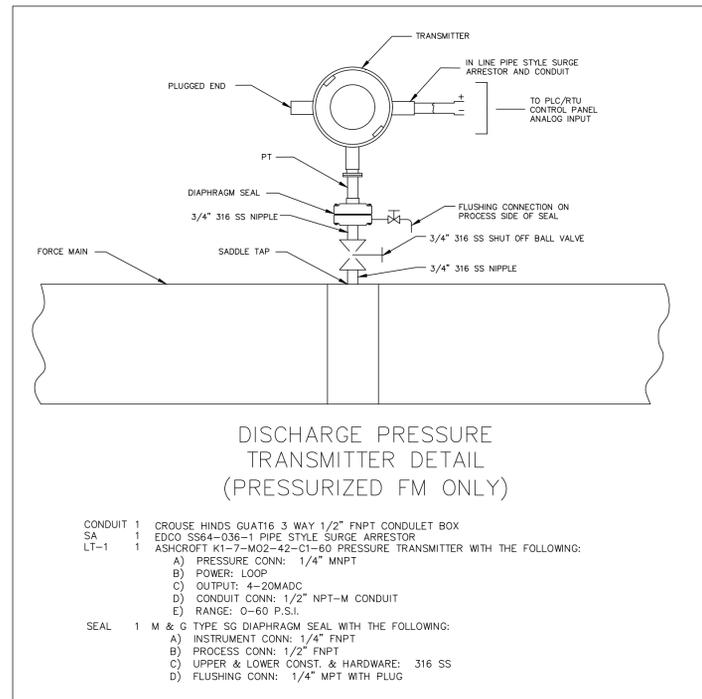


ELECTRICAL RISER DIAGRAM, CLASS 1, DIV. 2, GROUP D HAZARDOUS AREA  
OR CLASS 1, DIV. 1, GROUP D HAZARDOUS AREA

GENERAL ELECTRICAL NOTES

- 1) ALL CONDUIT PENETRATIONS TO WETWELL AND VALVE BOX SHALL BE SLEEVED.
- 2) VERIFY AVAILABILITY OF PROPER VOLTAGE AND POWER WITH FLORIDA POWER & LIGHT COMPANY FOR LIFT STATION LOCATION PRIOR TO ORDERING EQUIPMENT.
- 3) CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS FOR ELECTRICAL SERVICE WITH FLORIDA POWER & LIGHT COMPANY TO INSURE POWER IS AVAILABLE PRIOR TO DATE OF INITIAL START UP.
- 4) REQUIREMENTS FOR CONDUITS NOT INDICATED ABOVE SHALL BE AS NOTED ON STANDARD ELECTRICAL RISER DIAGRAMS SHOWN ON THIS SHEET.

HAZARDOUS AREA



PUMP, MOTOR, AND ELECTRICAL DATA TABLE			
	LS No.	LS No.	LS No.
	112 (EXAMPLE)		
PUMP DATA			
NUMBER OF PUMPS	2		
DESIGN G.P.M.	600		
TOTAL DYNAMIC HEAD (FT)	70		
PUMP MANUFACTURER	FLYGT		
PUMP MODEL	3120		
R.P.M.	1800		
HP	20		
SIZE	4		
MAX. SOLID SIZE			
IMPELLER NUMBER			
WEIGHT			
ELECTRICAL LOAD CALCULATIONS			
MOTOR NO. 1 AMPS	54		
MOTOR NO. 2 AMPS @125%	68		
MOTOR NO. 3 AMPS	NA		
MISC. STATION LOADS	20		
TOTAL	142		
WET WELL IS HAZARD AREA DESIGNATION	CLASS 1, DIV 1		
ELECTRICAL SERVICE EQUIPMENT			
SERVICE AMPS REQUIRED	150		
AT SERVICE VOLTAGE / PHASE / HZ	240 / 3 / 60		
SERVICE DISC (POLES / AMPS / FUSES)	3P- 100/100		
CO1 (SERVICE CONDUIT)	2"		
CO1 (SERVICE WIRE)	4#3		
ELECTRICAL FEEDER SIZING			
CO2 (FEEDER) CONDUIT	2"		
CO2 (FEEDER) WIRE	4#3		
PUMP STATION CONTROL PANEL			
GENERATOR RECEPTACLE MAKE	MELTRIC		
GENERATOR RECEPTACLE MODEL	XXXXX		
GENERATOR RECEPTACLE VOLTS / AMPS	480 / 200		
MCB / ECB (Amps)	100		
MB1 / MB2 (Amps)	60		
MB1 / MB2 (Amps)	60		

48 HOURS BEFORE DIGGING  
BROWARD • PALM BEACH • INDIAN RIVER  
ST. LUCIE • MARTIN COUNTIES  
CALL TOLL FREE  
1-800-432-4770  
SUNSHINE STATE 1 CALL  
UNDERGROUND UTILITIES  
NOTIFICATION CENTER

Designed By:				
Drawn By:				
Checked By:				
SYMBOL	NO.	DATE	REVISIONS	BY
	3	08/10	UPDATE TO ALL DETAILS	CITY
	2	08/08	UPDATE TO ALL DETAILS	CITY
	1	04/04	UPDATE TO ALL DETAILS	FV



APPROVED BY: \_\_\_\_\_  
REGISTERED ENGINEER NO. \_\_\_\_\_  
STATE OF FLORIDA

STANDARD LIFT STATION  
DETAILS AND NOTES

ORIGINAL ISSUE DATE: 04/10/98	PROJECT NUMBER
NOT TO SCALE	5