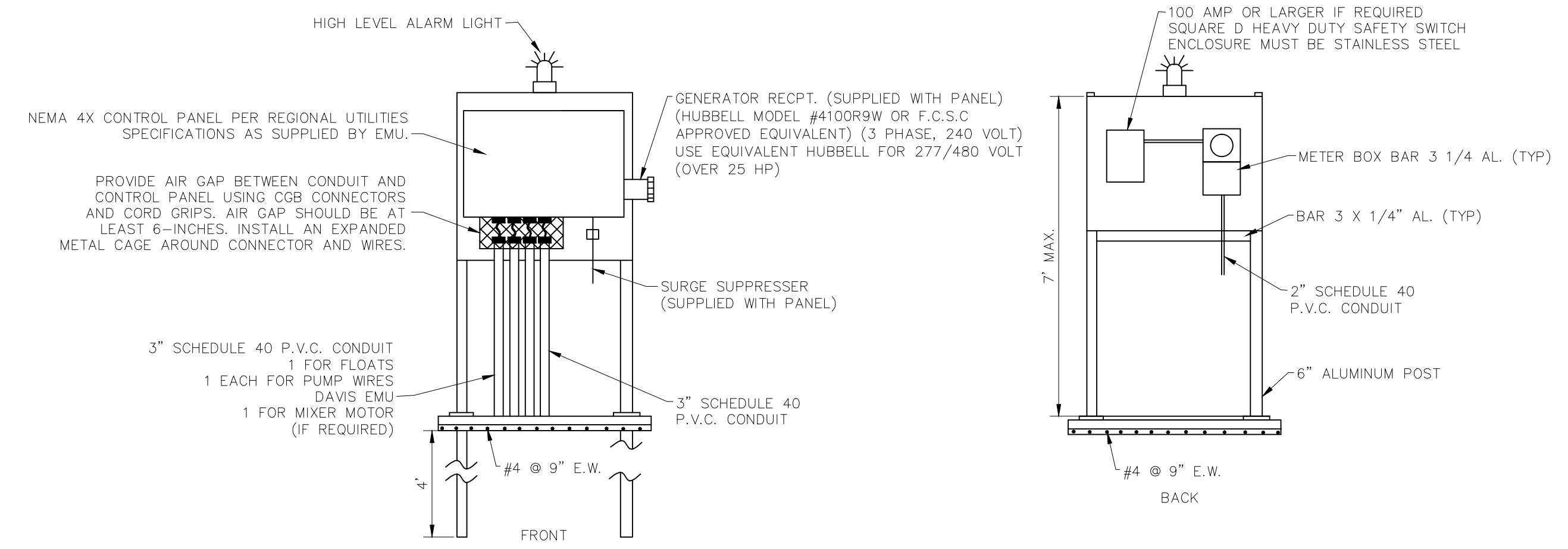
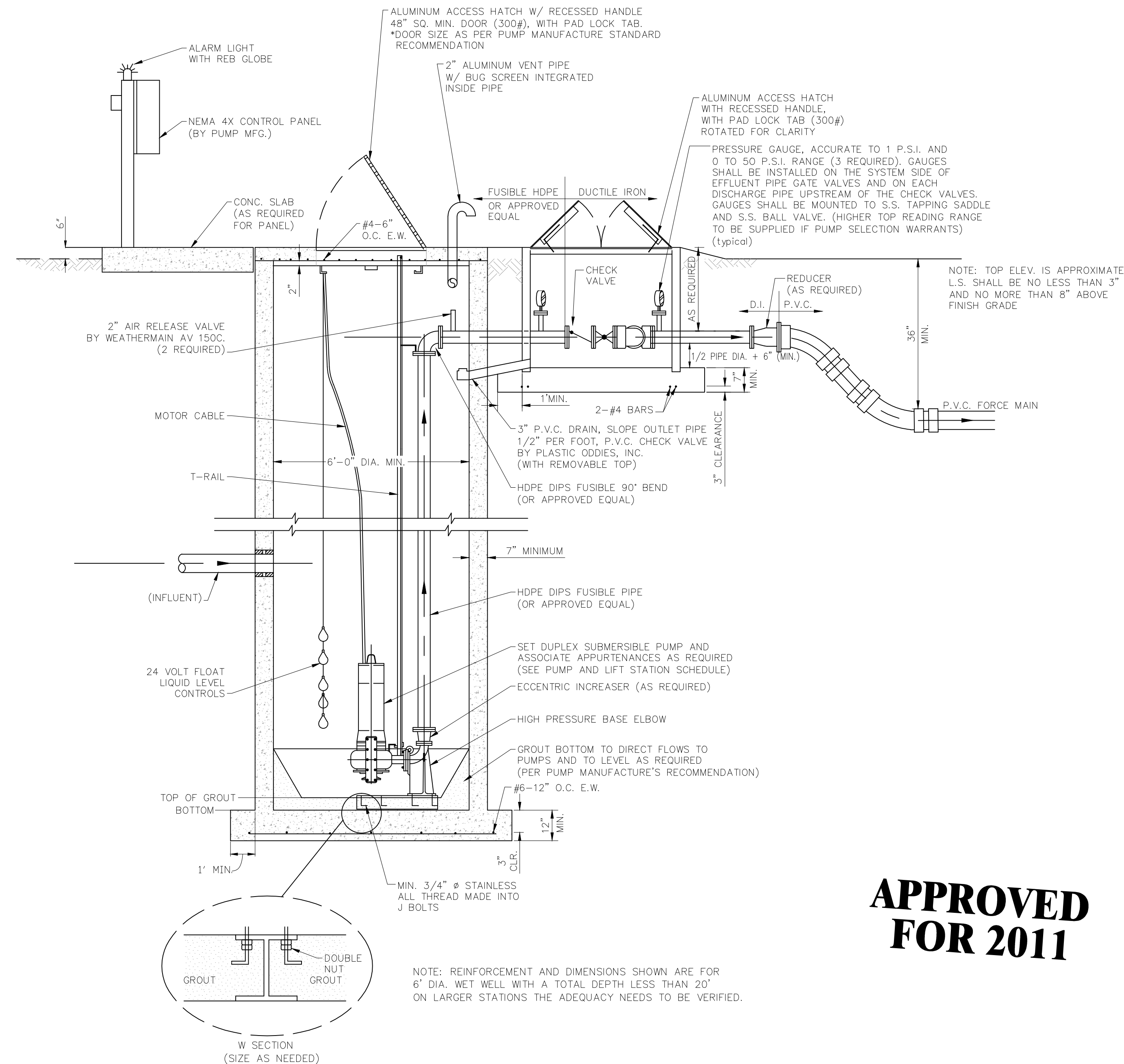


TYPICAL WET WELL PLAN
N.T.S.



CONTROL PANEL SCHEMATIC
N.T.S.



TYPICAL WET WELL SECTION
N.T.S.

GENERAL NOTES:

1. A) VALVE VAULT SHALL BE COATED WITH KOP-COAT COAL TAR EPOXY 300-M INSIDE AND OUT. (TWO COATS, 9 MILS EACH)
2. BASE AND FIRST RISER UNIT TO BE CAST MONOLITHIC.
3. VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 4" DIAMETER PIPE AND SMALLER CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES. SIZE OF HATCH ON VALVE VAULT IS FOR 4" PIPE AND SHALL INCREASE ACCORDINGLY WITH LARGER PIPE SIZES.
4. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE OR NON-SHRINK GROUT.
5. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
6. ALL ENCLOSURES SHALL BE NEMA 3R OR BETTER EXCEPT CONTROL PANEL WHICH SHALL BE NEMA 4X.
7. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY FLORIDA COMMUNITY SERVICES.
8. FLEXIBLE COUPLING SHALL BE SLEEVE TYPE.
9. ALL HARDWARE IN WET WELL AND VALVE BOX TO BE STAINLESS STEEL GRADE 316 OR BETTER
10. ALL CONDUIT CONNECTING TO THE CONTROL PANEL WILL HAVE A CONDUIT BODY CROUSE-HINDS TYPE ESUF OR EQUAL FILLED WITH NON HARDENING COMPOUND.
11. ALL EXPOSED FERROUS METAL WITHIN WET WELL AND VAULT SHALL BE COATED WITH KOP-COAT COAL TAR EPOXY 300-M.
12. WET WELLS AND VALVE VAULTS WITHIN THE RIGHT OF WAY OR WITHIN 25 FEET OF ANY ROAD OR IN ANY AREA DEEMED APPROPRIATE BY FCSC SHALL BE REQUIRED TO HAVE TRAFFIC RATED APPROVED ALUMINUM COVERS FOR WEIGHT BEARING.
13. CONTROL PANEL SHALL HAVE BATTERY BACK UP FOR ALARM SYSTEM.
14. ALL MECHANICAL JOINT FITTINGS ON PRESSURE PIPE SHALL HAVE BOTH "MEGALUG" TYPE JOINT RESTRAINING GLANDS AND THRUST BLOCKS.
15. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND MEETING THE REQUIREMENTS OF REGIONAL UTILITIES STANDARD DETAILS AND SPECIFICATIONS LATEST EDITION.
16. ANY LOCATION WHERE PRESSURE PIPELINE CURVATURE EXCEEDS MANUFACTURER'S SPECIFICATIONS; APPROPRIATE MECHANICAL JOINT FITTINGS SHALL BE USED.
17. ALL 2-INCH VALVES SHALL BE BALL TYPE - 2-INCH GATE VALVES SHALL NOT BE USED.
18. ALL TIE IN TO EXISTING PRESSURIZED PIPELINES SHALL BE BY TAPPING SLEEVE (3 INCH TAP AND LARGER) (OR TAPPING SADDLE, 2 INCH TAP AND SMALLER) AND VALVE.
19. DEVELOPERS OF PRIVATE PROJECTS SHALL PROVIDE ALL WETLANDS PERMITS NECESSARY FOR UTILITY CONSTRUCTION.
20. ALL DUCTILE IRON PIPE SHALL BE COATED INSIDE AND OUT WITH PROTECTO CERAMIC EPOXY.
21. A MIXER SHALL BE INSTALLED IN ALL CONCRETE WET WELLS LARGER THAN 6 FOOT DIAMETER. THE MIXER SHALL BE AN DAVIS EMU SUBMERSIBLE MIXER OR APPROVED EQUAL
22. A SCADA REMOTE TERMINAL UNIT MANUFACTURED BY DATE FLOW SYSTEMS, INC. AND PER THE WRITTEN SPECIFICATIONS IN SECTION 12 OF THE REGIONAL UTILITIES CONSTRUCTION SPECIFICATIONS BOOK SHALL BE INSTALLED ON ALL SEWER LIFT STATIONS.

PUMPING STATION DATA

Project Name	
Pump model	
Motor model	
Impeller size	
voltage (3 PHASE)	
h.p.	
delivery, gpm (High System Head)	
delivery, gpm (Low System Head)	
TDH, feet (High System Head)	
TDH, feet (Low System Head)	
Top elev.	
Influent elev.	
High level alarm elev.	
Log pump on elev.	
Lead pump on elev.	
Low level alarm elev.	
Both pumps off elev.	
Bottom elev.	
Force main dia.	
Wet well dia.	

NOTE: VERIFY VOLTAGE AND PHASE AVAILABILITY WITH ELECTRIC COMPANY PRIOR TO ORDERING EQUIPMENT.

WET WELL MINIMUM WALL THICKNESS TABLE

DIAMETER	MIN. WALL THICKNESS
6"	7"
7"	8"
8"	9"

PUMPING STATION DATA

APPROVED FOR 2011

NO.	DATE	APPR.	REVISION
1	3/02/10	NOC	UPDATE CONSTRUCTION DETAILS
2	1/25/11	NOC	ADD STAINLESS NOTE TO SAFETY SWITCH
3	5/02/11	NOC	ADD AIR GAP BETWEEN CONTROL PANEL & CONDUIT

REGIONAL UTILITIES
OPERATED BY FLORIDA COMMUNITY SERVICES
CORPORATION OF WALTON COUNTY INC.
70 Logan Lane
Grayton Beach, FL 32459
Phone: (850) 231-5114
Fax: (850) 231-4924

LIFT STATION (NON-CLOG PUMPS) STANDARD DETAIL

PROJECT NAME	SEAL
DRAWN BY:	CHECKED BY:
	NOC
PROJECT NO.:	000-000
DRAWING SCALE:	N.T.S.
PLOT DATE:	May. 2, 11
SHEET NO.	1 OF 1
SHEET	LS-1