

1. ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL HAVE A BITUMASTIC COATING (2 COATS, 9 MILS EACH COAT DFT).
2. "RAMNEK" OR EQUAL AT ALL RISER JOINTS. NO MANHOLE OR LIFT STATIONS. 1/2" THICK WITH WIDTH AT LEAST HALF THE WALL THICKNESS OF NON-SHRINK WATER PROOF GROUT ON INSIDE AND OUTSIDE, OR TYPE II CEMENT.
3. ALL WETWELLS AND VALVE VAULT SHALL BE COATED WITH 2 DIFFERENT COLOR COATS OF COAL TAR EPOXY ON OUTSIDE. THE INSIDE SHALL BE COATED WITH SPECTRA SHIELD LINING SYSTEM (U.S. PATENT #5618616) BY: CONCRETE CONSERVATION, INC., JACKSONVILLE, FL 32241-4354 TELEPHONE: (904) 268-4951
5. TYPE 316 STAINLESS STEEL SHALL BE USED IN THE WETWELL FOR BRACKETS, GUIDE RAILS AND ALL OTHER HARDWARE. FLANGE BOLTS SHALL BE GRADE 8 STEEL.
6. WETWELL SHALL BE CONSTRUCTED OF 6'-0" MAXIMUM LONG SECTIONS OF REINFORCED POURED IN PLACED OR PRECAST CONCRETE, IN ACCORDANCE WITH THE SPECIFICATIONS. WHENEVER POSSIBLE, NO OPENING SHALL BE WITHIN 12" OF THE END OF ANY SECTION.
7. PUMP ACCESS HATCH CONFIGURATION & DIMENSIONS SHALL BE CONFIRMED WITH EQUIPMENT SUPPLIER. DIMENSIONS SHOWN ARE MINIMUM VALUES ONLY.
8. PIPING, VALVES AND FITTINGS IN VALVE VAULT AREA SHALL BE SUFFICIENTLY SUPPORTED WITH POURED CONCRETE PEDESTALS.
9. STAINLESS STEEL WEDGE OR EPOXY ANCHORS TO BE USED.
10. INTERNAL DIAMETER OF WETWELL SHALL BE 6' MINIMUM. THE DEPTH OF WETWELL SHALL BE SIZED TO ALLOW PUMPS TO HAVE NO MORE THAN 6 STARTS PER HOUR EACH. THE INTERNAL DEPTH OF THE WETWELL SHALL BE 20' MAXIMUM.
11. CONTRACTOR SHALL PROVIDE ALL AS-BUILTS WITH FP&L POWER SUPPLY SHOWN, FROM SOURCE TO METER.
12. DIRECTIONALLY SLOPE EXPANSION JOINTS.
13. TOP OF WETWELL AND BOTTOM OF ELECTRICAL PANEL MUST BE PLACED AT AN ELEVATION GREATER THAN THE 100 YEAR FLOOD PLAN.
14. SITE PLAN FOR LIFT STATION IS FOR CONFORMITY ONLY. ENGINEER OF RECORD MUST SIZE WETWELL, VALVE VAULT & ELECTRIC PANEL. MINIMUM REQUIREMENTS FOR SITE ARE:
  - A. DRIVEWAY APPROACH MUST BE 25' MINIMUM FOR A CITY SERVICE TRUCK TO PARK COMPLETELY OUT OF THE TRAFFIC LANES PRIOR TO OPENING GATE AND TO ENTER STATION PROPERLY.
  - B. THERE MUST BE A MINIMUM OF 4' CLEARANCE BETWEEN THE OPEN DOORS OF THE WETWELL AND VALVE VAULT, WETWELL AND ELECTRIC PANEL, ELECTRICAL PANEL AND FENCE. FENCE AND OPEN DOORS OF VALVE VAULT, ELECTRIC PANEL AND EDGE OF DRIVEWAY GATE, EDGE OF DRIVEWAY GATE AND OPPOSITE FENCE LINE.

REVISED: SEPT-2009	GENERAL NOTES - APPLICABLE TO SUBMERSIBLE LIFT STATIONS	STANDARD DETAIL
ISSUED: SEPT-2009	CITY OF WEST PALM BEACH ENGINEERING SERVICES DEPT.	GN-5