

1. THE LIFT STATION SHALL BE DESIGNED IN ACCORDANCE WITH SECTIONS 61–63 OF VOLUSIA COUNTY’S UTILITY SPECIFICATIONS, AVAILABLE ONLINE AT [www.volusia.org/core/fileparse.php/4157/urlt/UtilitySpecifications\\_032714.pdf](http://www.volusia.org/core/fileparse.php/4157/urlt/UtilitySpecifications_032714.pdf)
2. SHOP DRAWINGS ARE REQUIRED FOR PUMPS, PIPING, VALVES, FITTINGS, ELECTRICAL EQUIPMENT AND PRE–CAST CONCRETE STRUCTURES.
3. ALL PRECAST STRUCTURES SHALL BE DESIGNED PER ACI 315 & 318 “MANUAL OF STANDARD PRACTICE”.
4. ALL EXPOSED METAL, EXCLUDING STAINLESS STEEL OR ALUMINUM MATERIALS, SHALL BE PAINTED WITH (2) COATS OF EXTERIOR, OIL BASE, ENAMEL PAINT. PIPING SHALL COME WITH STD. RED PRIMER.
5. INTERIOR OF WET WELL SHALL BE LINED WITH HDPE, 2.0 MM THICKNESS, AS MANUFACTURED BY AGRU SURE–GRIP OR APPROVED EQUAL. THE OUTSIDE OF THE WET WELL SHALL BE COATED WITH 2 COATS OF WATER BASED CONCRETE COATING, 9 MILS THICK.
6. WET WELL ACCESS HATCHES SHALL BE MINIMUM 36”x 48”, 1/4” THICK ALUMINUM FLOOR PLATE REINFORCED TO 150 P.S.F. LIVE LOAD. DOORS SHALL HAVE FLUSH ALUMINUM DROP HANDLE AND AN AUTOMATIC HOLD OPEN ARM WITH RELEASE HANDLE. ALL FASTENERS AND ACCESSORIES SHALL BE 316 STAINLESS STEEL. HATCH FRAMES TO BE INTEGRALLY CAST INTO CONCRETE TOPS. THE HATCHES SHALL BE FLOOD TIGHT AS MANUFACTURED BY “HALLIDAY”, OR APPROVED EQUAL.
7. ALL NUTS, BOLTS, WASHERS AND MISCELLANEOUS HARDWARE ARE TO BE 316 STAINLESS STEEL.
8. THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY. FOR ELECTRICAL SERVICE TO THE LIFT STATION SITE, AND SHALL MEET ALL POWER COMPANY REQUIREMENTS WITHOUT ADDITIONAL COMPENSATION.
9. ALL WET WELL JOINTS TO BE SEALED WITH “RAM–NEK” TAPE AND ANHYDROUS CEMENT TO LEAK FREE STATE.
10. ALL EXPOSED AND EMBEDDED CONDUITS TO BE PVC.
11. TESTING OF FORCE MAIN AND LIFT STATION SHALL BE REQUIRED. LIFT STATION SHALL BE TESTED WITH FIRST PUMP ON, SECOND PUMP ON, AND BOTH PUMPS ON.
12. ALL M.J. AND FLANGED D.I. PIPE AND FITTINGS SHALL BE POLYETHYLENE LINED (40 MILS. NOMINAL) CONFORMING TO ASTM D–1248.
13. ALL SUPPORTS AND HARDWARE FOR ELECTRICAL EQUIPMENT SHALL BE ALUMINUM OR STAINLESS STEEL.
14. THE ENTIRE AREA WITHIN THE SECURITY FENCE SHALL HAVE A MINIMUM OF 6” STONE OVER LAYER OF LANDSCAPE CLOTH.
15. THE LIFT STATION SHALL BE EQUIPPED WITH DATA FLOW SYSTEMS PUMP CONTROLS AND TELEMETRY EQUIPMENT. THE DATA FLOW SYSTEM CONTROLLER SHALL BE EQUIPPED WITH A TRANSMITTER AND ANTENNA CAPABLE OF COMMUNICATING WITH THE COUNTY’S S.W. WATER RECLAMATION FACILITY, AS WELL AS CONFORMING TO VOLUSIA COUNTY DATA FLOW STANDARDS.

## **LIFT STATION NOTES**

UPDATED MARCH 2017