APPENDIX D: PUMP STATION CONTROL AND SCADA REQUIREMENTS
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I PURPOSE
To establish the requirements for the Pumping Station Controls, SCADA requirements, and the associated Control Cabinet.

II PRE-APPROVED PRODUCTS
A. Cabinets, SCADA Control, and Instrumentation
   The Hillsborough County Standard Pump Station Electrical and Mechanical drawings found on the Hillsborough County website (Hillsborough County, FL - Official Website - Standard Pump Station Drawings) shall be used when designing a Hillsborough County Pump Station.

B. Control and Instrumentation Appurtenances
   For items not listed on the pre-approved products list found in Appendix B or on the Electrical Bill of materials use the following pre-approved products.
   1. Level Detection Float Switches (hermetically sealed with extra hard usage flexible cords) L1, L2, L3 and L4 (as specified): Anchor Scientific type S (N.O.)
   2. Diaphragm Seals for pressure measuring systems
      a. Pressure Gauge diaphragm seals: Ashcroft – 50-310SS-02T-XCK (see Appendix B for a listing of pre-approved gauges)
      b. Pressure transmitter diaphragm seal: Ashcroft series 200
   3. Area Light (21W, LED Area Light): Lithonia - #TDD LED 1 40K 120 PE
   4. Variable Frequency Drives (VFD’s): Yaskawa
   5. Reduced Voltage Soft Starts (RVSS): Magnetek/Solcon RVS-DX series
   6. Flow Monitor/meter (as required)
      a. Siemens Mag 5100W (for use with VFD’s, and on all Master & Super Stations)
      b. Endress & Hauser (for use with VFD’s)