1. **All power to the pump station shall be three phase power.** Pump stations 10 HP and smaller may have single phase power.

2. **Transfer switch, duplex pump panel, and service disconnect shall be stainless steel.**

3. The duplex pump panel shall have a factory-applied white paint finish and 3-point lockable hatch.

4. **10 kVA dry transformer required for 480 VAC primary.**

5. **Provide a minimum of three 10" long 2" diameter copper clad ground rods spaced a minimum of 20" apart, electrically bonded and mounted together with inspection wells at each connection.** One ground rod located at power feeder, electric meter, and generator.

6. **Meter base, SCADA/RTU panel, and flow meter enclosure (if applicable) may be mounted on the rack if there is no room on the front.** Service disconnect, ATS, and pump control panel must be mounted together on the front and face the well.

7. **Use adequate amount of 3" sloped stainless steel inverted cone to support all enclosures. Each enclosure shall be supported by a minimum of two horizontal ties of unistrut.**

8. **All conduit entries must penetrate the bottom of all enclosures with Myers HUB type fittings. No exceptions. No conduit fittings (all UL or LB allowed).**

9. **All conduit shall be schedule 80 PVC.**

10. **All enclosure labels shall be outdoor vinyl labels and shall be mounted to the enclosure opposite any drilling of the enclosure.**

11. **All power wires and control wires must be properly and permanently labeled on both ends of wire, no exceptions.**

12. **Install non-hardening duct sealant on all conduit entries in every enclosure.**

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**County of Brunswick**

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**North Carolina**

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**NOT TO SCALE**

**CONTROL PANEL ELEVATION**

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**CONTROL PANEL POST DETAIL**