

Lift Station Site:

1. Minimum 75' x 75' site deeded to the City of Rockledge, with minimum 40' x 40' fenced area around lift station. Commercial and industrial areas shall have a 40' x 40' deeded with the remainder dedicated as an easement.
2. Fence shall be 6' chain link, 9 ga. fabric with 1 – 4' walk gate and 1 – 14' double gate in driveway area. Shall also have standard weight post, top rail, 7 ga. wire on bottom with hog rings.
3. rty corners identified with concrete markers.
4. levation shall be not less than 12" above finished road grade.
5. Site (75' x 75') shall be sodded with Pensacola Bahia and landscaped with not less than 3 gallon single hibiscus plants planted 4' from the outer fence on 6' centers to provide a buffer screening.
6. Access driveway shall be concrete with a minimum 5" wire reinforced and poured 6" thick.
7. A potable water supply shall be provided with a reduced pressure back flow devise.
8. Electrical service shall be underground.
9. Drainage as per City of Rockledge code.

Wet Well:

1. Shall be precast with two coats of coal-tar epoxy paint inside and out. Second coat shall be applied in the field.
2. All field applied concrete shall have two coats of coal-tar epoxy paint.
3. Minimum wall thickness – 8" (minimum 10" for well over 25' in depth)
4. Minimum well diameter – 8'
5. Square reinforced concrete slab, 6" thick, extended 6' from outside edge of wet well.
6. Well shall include a 48" x 36" aluminum access hatch with stainless steel hardware and padlock assembly.
7. Inside fillet sloped to pump size, formed and poured solid with anchors and shall have two coats of coal-tar epoxy paint.
8. 4" ventilation pipe with screen.
9. All conduit holes shall be located within 12" of top of well.
10. The wet well shall have a precast HDPE liner installed if the design promotes turbulence or heavy flow which causes a corrosive atmosphere in the wet well area.

Valve Box:

1. Shall be precast 5' x 8' x 4', #4 steel reinforced on 12" center and shall have two coats of coal-tar epoxy paint inside and out.
2. Box shall include a 30" x 48" aluminum hatch with stainless steel hardware and padlock assembly.
3. 3" drain with trap that discharges to wet well.
4. Valve assembly shall be 4" or larger and epoxy lined ductile iron pipe and fittings. Valve assembly shall consist of epoxy lined plug and check valves (lever and weight) manufactured by Clow or Dequik, all stainless steel hardware.
5. Emergency hook up shall be a 3" aluminum male Camlock Quick Disconnection coupling and 3" Camlock Quick Disconnect cap.

Panel:

1. The City of Rockledge has standardized to Control panel supplied by Unitron Controls, Lakeland, FL. Bill of materials, panel layout and wiring diagram included.
2. Panel shall have a stainless steel type 4X pull thru wire way and hazardous location sealing fittings installed below the panel to prevent hazardous, explosive and corrosives gases from entering the panel mounted on stainless steel Unitron with stainless steel hardware.

Pumps:

1. The City of Rockledge has standardized to Hydromatic Submersible Pumps that are supplied locally by Barney's Pump's Inc., Lakeland, FL.
2. Submersible pumps shall have factory installed thermal overload and moisture detection protection.

Pump Slide Rails:

1. BPIU Duplex Rail Systems supplied by Barney's Pump's Inc., Lakeland, FL.
2. Slide rail system shall be stainless steel with stainless steel mounting hardware.

Telemetry Alarm System:

1. Shall be a Model 8000 data acquisition system provided and technical support provided by Compucom Inc., Rockledge, FL.
2. Scada system shall have a stainless steel enclosure.

Odor Control System:

The City of Rockledge may require an odor control system depending on the milligrams per liter of hydrogen sulfide gases that are detected or determined to be generated in the wet well. The City of Rockledge has standardized to the E.G.&G. Biofiltration systems.