

Duplex • 2000 – 6000gpm

LARGE LINESHAFT SHORT SET SYSTEM

Including Electrical Controls

Round Wet Well: 6', 8' and 10' in depths up to 30'

Valve Vault: Rectangular 8'x10', 8'x16', 8'x18' in depths up to 20'

DESIGN FEATURES FOR THIS LIFT STATION

Pumping rate: 2000 – 6000 GPM

Pumps: Lineshaft Short Set Turbine pumps, semi-open or closed impeller in 6", 8", 10" and 12" discharge

Level sensors: Pressure transducer, ultrasonic transducer, floats (level switches), conductive probes, optional level devices available.

THIS ROMTEC UTILITIES SYSTEM INCLUDES

Concrete wet well: 8' diameter conforming to ASTM C-487-97, aluminum hatch w/stainless steel hardware

Concrete valve vault: 8'(w) x 10'(l) conforming to ACI-318 building code, ASTM C-857, C-890, AASHTO standard specifications for highway bridges H20 truck wheel load, aluminum hatch with stainless steel hardware and ladder for access

Piping & accessories: Ductile iron piping with stainless steel hardware & accessories

Pumps: 200HP, 5-stage lineshaft short set turbine, 10" discharge with semi-open impeller

Valves: Swing check valve, eccentric plug valve and air/vacuum release valve

Level monitoring & control: Primary & Back up – Probe or level switches (floats)

Electrical controls: UL listed, Alternator design

DOCUMENTATION

Scope of Supply & Design Submittals: Full submittals for:

- Wet well, wet well access lid, valves and piping
- Electrical controls, starters, level sensing etc.

Operations & maintenance manuals: Complete as-built drawings & manuals including parts list for all Romtec Utilities supplied items.

AVAILABLE OPTIONS – Valve Vault, Generator, Controllers, Alarming, Telemetry/SCADA, Odor Control, & Control Shelter

OPTIONAL EQUIPMENT AVAILABLE (Not shown)

Separate Valve Vault: Check valves, control valves, etc.

Electrical Controls: Alternator, PLC, Controllers, etc.

Level Monitoring: Pressure transducer, Ultrasonic transducer, radar, mechanical, and other devices.

Generator: Cummins generator, diesel fuel/natural gas, ATS, sound attenuation, trailer packages

Weather shelter: Post/beam open structure

Communication: Telephone alarming, RTU, Telemetry/SCADA system

Odor control: Chemical feed system, air treatment systems and other technologies.

DOCUMENTATION for OPTIONAL EQUIPMENT

Scope of Supply & Design Submittals:

Full submittals for Optional Items: (Not shown)

- Valve vault, hatch, check & operational valves, piping.
- Generator, ATS.
- Lift station controllers
- Telephone alarming, RTU or SCADA system, configuration and set-up.
- Valve vault, hatch, check & operational valves, pressure gauge & piping.

FREE DESIGN SERVICES INCLUDE

- Lift station specifications, sizing, design & drawings
- All structural & mechanical drawings
- All control & communication design & drawings
- Layout of equipment on the site plan
- Development of submittal documentation
- Secure agency approval of submittals
- Provide operations & maintenance manuals

ONSITE SERVICES INCLUDE

- Onsite construction advisor
- Start-up services to include controls, pumps etc.
- Site training of agency personnel

Construction services optional & available by request.