

Duplex Wet Well - Dry Pit • 500-1900gpm

LARGE SOLIDS HANDLING SYSTEM

Concrete Wet Well: 8'-10' diameter wet well in depths to 30'

Concrete Dry Pit: 9'W x 17'L x depths to 30'

DESIGN FEATURES FOR THIS LIFT STATION

Pumping rate: 500 – 1900 GPM

Capacity: 650 – 2000 homes

Pumps: 35HP, vertical dry pit solids handling pumps, 6", 8" and 10" discharge; submersible dry pit installation solids handling pumps, 6", 8" and 10" discharge

Level sensors: Floats (level switches), conductive probes, optional level devices available

THIS ROMTEC UTILITIES SYSTEM INCLUDES

Concrete wet well: 8'-10' diameter conforming to ASTM C 487-97, Aluminum hatch w/stainless steel hardware, ladder for access

Concrete dry pit: 9'W x 17'L conforming to ASTM D 5753, Aluminum hatch w/stainless steel hardware, ladder for access

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

Pumps: 35HP, vertical dry pit solids handling pumps, 6", 8" and 10" discharge; submersible dry pit installation solids handling pumps, 6", 8" and 10" discharge

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

Internal valves: Ball check valves, bronze gate valves

Ventilation controls: Intake and exhaust fans & controls

Electrical controls: UL listed, Alternator design

DOCUMENTATION

Scope of Supply & Design Submittals: Full submittals for:

- Wet well, Wet well hatch, suction elbows, suction lines
- Dry pit, Dry pit hatch, floor mount suction elbows, pumps, piping, valves & accessories
- Ventilation controls, fans, ducting, etc.
- 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.