

5.02 LIFT STATION DESIGN CRITERIA

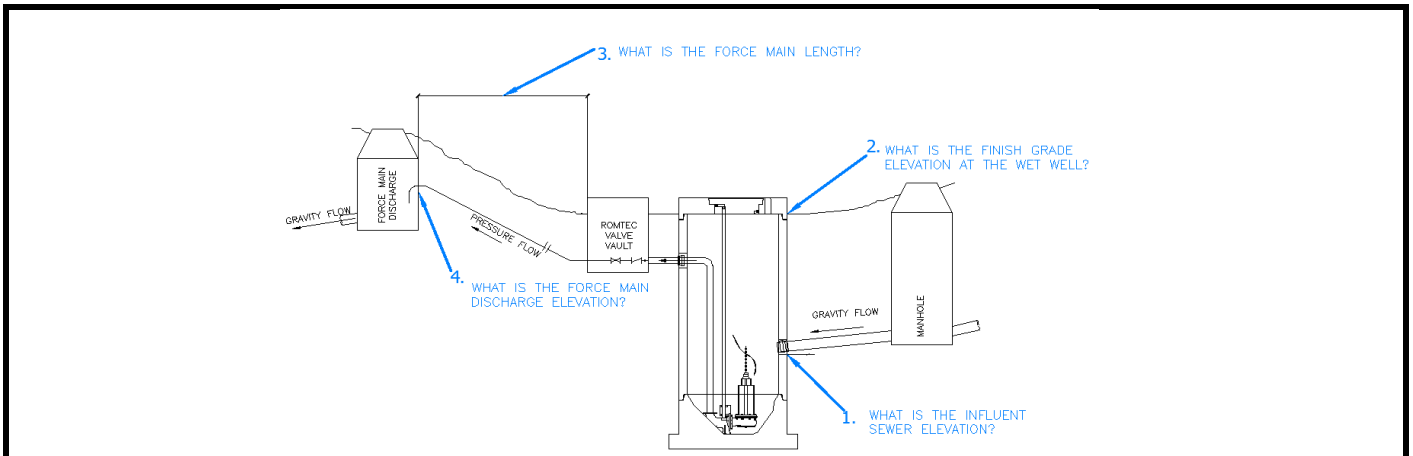
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	<u>3/29/2016</u>		
Project Name:	<u>Cedar Point Park</u>		
Information here in provided by:	<u>Sports Fields, Inc.</u>		
Name:	_____		
Email Address:	_____		
Telephone:	_____	Phone Ext:	_____
Project Site Address:	<u>Sandusky, Ohio</u>		
ACAD site plan drawing available at this time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Final Project Owner and/or Operator:	<u>Erie County</u>		
Governing Sewer or Water Authority:	<u>?</u>		
Does Authority have a lift station standard?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does this project require "Buy America" materials?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

PART 2: DESIGN DATA

Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.



Source of Water:	<u>Sports Park</u>		
Water Type:	<u>Wastewater</u>		
Peak design inflow (max flow to lift station):	<u>50 g.p.m.</u>		
Pumping Rate:	<u>60 g.p.m. (Greater than Peak Design Inflow)</u>		
1. Influent sewer elevation:	<u>567.06 ft.</u>		
2. Finish grade elevation at wet well:	<u>579.25 ft.</u>		
3. Force main length:	<u>122 ft.</u>		
4. Force main discharge elevation:	<u>575.25 ft.</u>		
Force main diameter:	<u>3 in. inside dia.</u>		
Force main material (PVC, DI, etc.):	<u>Ductile Iron</u>		
Force Main is:	<input checked="" type="checkbox"/> New	<input type="checkbox"/> New	<input type="checkbox"/> Existing
Force Main Discharge (manhole, pressure force main, etc.)	<u>Existing pressurized force main</u>		
Standby generator:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Permanent	<input type="checkbox"/> Portable
Generator fuel:		<u>Diesel</u>	<u>Natural Gas</u>
Power Supply:	<u>480V</u>	<u>480V</u>	<u>240V</u>
Power Supply:	<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Single-phase</u>
Is lift station a classified space?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> No