

5.02 LIFT STATION DESIGN CRITERIA

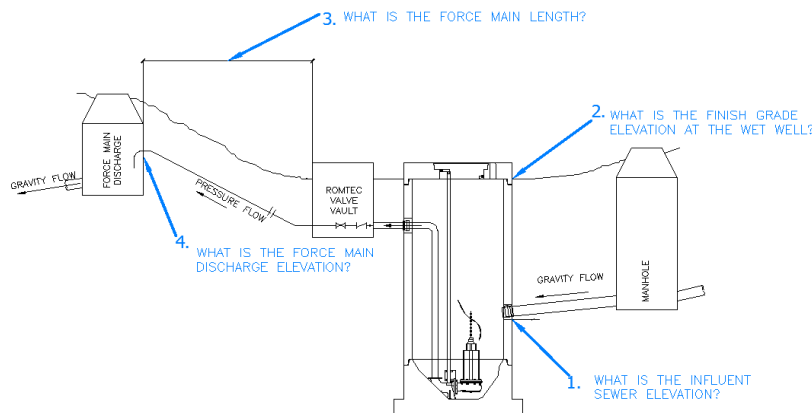
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	<u>2/23/2016</u>		
Project Name:	<u>Portland Airport</u>		
Information here in provided by:	<u>KPFF</u>		
Name:	<u></u>		
Email Address:	<u></u>		
Telephone:	<u></u>	Phone Ext:	<u></u>
Project Site Address:	<u>Portland, OR.</u>		
ACAD site plan drawing available at this time?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Final Project Owner and/or Operator:	<u>Atlantic Aviation PDX</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>Office Building</u>		
Water Type:	<u>Wastewater</u>		
Peak design inflow (max flow to lift station):	<u>52 g.p.m.</u>		
Pumping Rate:	<u>100 g.p.m. (GREATER THAN PEAK INFLOW)</u>		
1. Influent sewer elevation:	<u>8.5 ft.</u>		
2. Finish grade elevation at wet well:	<u>19.57 ft.</u>		
3. Force main length:	<u>227 ft.</u>		
4. Force main discharge elevation:	<u>16.78 ft.</u>		
Force main diameter:	<u>3 in. inside dia.</u>		
Force main material (PVC, DI, etc.):	<u>Stainless SCH 40</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>?</u>		
Standby generator (BY OTHERS):	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Permanent	<input type="checkbox"/> Portable
Generator fuel:		<input type="checkbox"/> Diesel	<input type="checkbox"/> Natural Gas
Power Supply:	<input checked="" type="checkbox"/> 480V	<input type="checkbox"/> 480V	<input type="checkbox"/> 240V
Power Supply:	<input type="checkbox"/> Three-Phase	<input type="checkbox"/> Three-Phase	<input type="checkbox"/> Single-phase
Is lift station a classified space?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> No