

5.02 LIFT STATION DESIGN CRITERIA

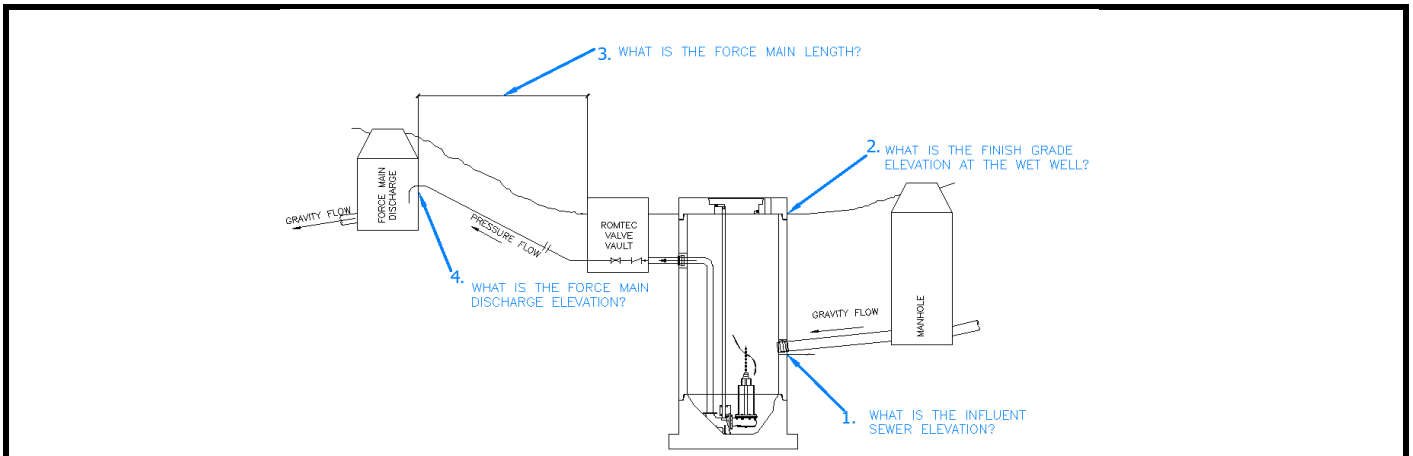
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	<u>1/22/2016</u>				
Project Name:	<u>Reclamation Lift Station</u>				
Information here in provided by:	<u>Bureau of Reclamation</u>				
Name:	_____				
Email Address:	_____				
Telephone:	_____ Phone Ext: _____				
Project Site Address:	<u>Klamath Falls, OR</u>				
ACAD site plan drawing available at this time?	<table border="1"><tr><td><u>NO</u></td><td><u>Yes</u></td><td><u>No</u></td><td><u>N/A</u></td></tr></table>	<u>NO</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>
<u>NO</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>		
Final Project Owner and/or Operator:	<u>Bureau of Reclamation</u>				
Governing Sewer or Water Authority:	<u>Bureau of Reclamation</u>				
Does Authority have a lift station standard?	<table border="1"><tr><td><u>No</u></td><td><u>Yes</u></td><td><u>No</u></td><td><u>N/A</u></td></tr></table>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>
<u>No</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>		
Does this project require "Buy America" materials?	<table border="1"><tr><td><u>No</u></td><td><u>Yes</u></td><td><u>No</u></td><td><u>N/A</u></td></tr></table>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>
<u>No</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>		

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>?</u>				
Water Type:	<u>Wastewater</u>				
Peak design inflow (max flow to lift station):	<u>90 g.p.m. @ 20' TDH</u>				
Pumping Rate:	<u>90 g.p.m.</u>				
1. Influent sewer elevation:	<u>4083.82 ft.</u>				
2. Finish grade elevation at wet well:	<u>4091.5 ft.</u>				
3. Force main length:	<u>2500 ft.</u>				
4. Force main discharge elevation:	<u>4087.4 ft.</u>				
Force main diameter:	<u>4 in. inside dia.</u>				
Force main material (PVC, DI, etc.):	<u>HDPE</u>				
Force Main is:	<table border="1"><tr><td><u>New</u></td><td><u>New</u></td><td><u>Existing</u></td></tr></table>	<u>New</u>	<u>New</u>	<u>Existing</u>	
<u>New</u>	<u>New</u>	<u>Existing</u>			
Force Main Discharge (manhole, pressure force main, etc.)	<u>?</u>				
Standby generator:	<table border="1"><tr><td><u>N/A</u></td><td><u>Permanent</u></td><td><u>Portable</u></td><td><u>N/A</u></td></tr></table>	<u>N/A</u>	<u>Permanent</u>	<u>Portable</u>	<u>N/A</u>
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Generator fuel:	<table border="1"><tr><td></td><td><u>Diesel</u></td><td><u>Natural Gas</u></td><td></td></tr></table>		<u>Diesel</u>	<u>Natural Gas</u>	
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Power Supply:	<table border="1"><tr><td><u>480V</u></td><td><u>480V</u></td><td><u>240V</u></td><td><u>208V</u></td></tr></table>	<u>480V</u>	<u>480V</u>	<u>240V</u>	<u>208V</u>
<u>480V</u>	<u>480V</u>	<u>240V</u>	<u>208V</u>		
Power Supply:	<table border="1"><tr><td><u>Three-Phase</u></td><td><u>Three-Phase</u></td><td><u>Single-phase</u></td><td></td></tr></table>	<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Single-phase</u>	
<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Single-phase</u>			
Is lift station a classified space?	<table border="1"><tr><td><u>Yes</u></td><td><u>Yes</u></td><td><u>No</u></td><td></td></tr></table>	<u>Yes</u>	<u>Yes</u>	<u>No</u>	
<u>Yes</u>	<u>Yes</u>	<u>No</u>			