

4.02 LIFT STATION DESIGN CRITERIA FORM

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

Design Criteria Date: 3/12/2015

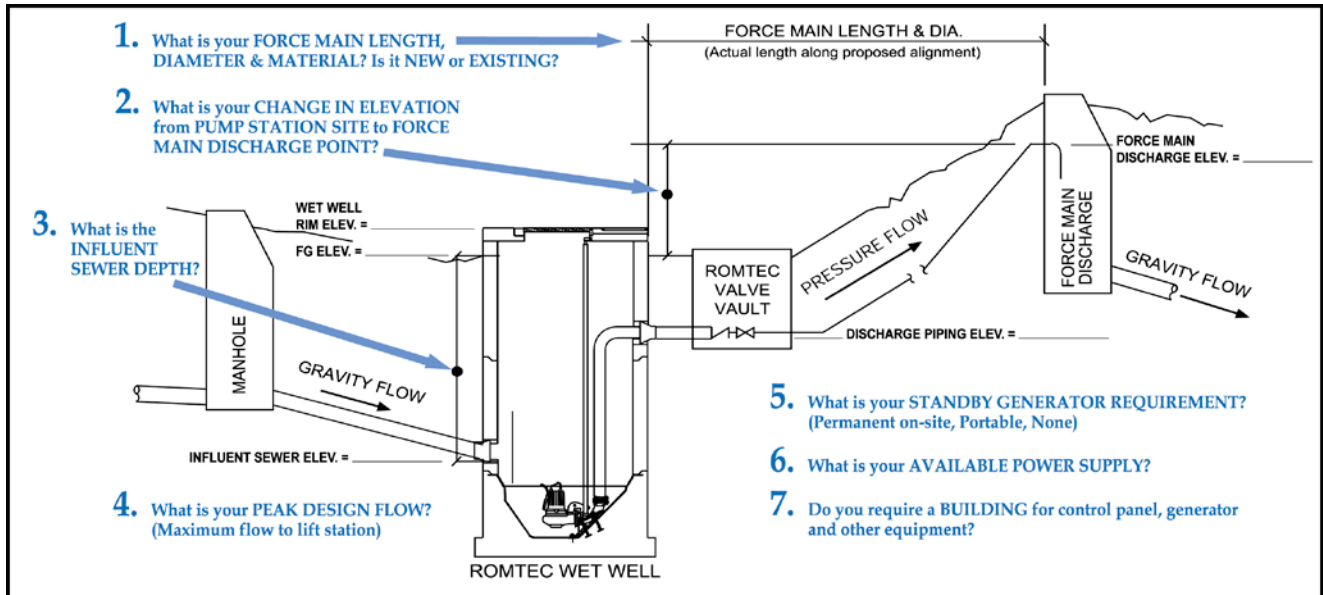
PART 1: PROJECT CONTACT INFORMATION

Information here in provided by:	<u>Otak Engineering</u>			
Company/Agency Type:	<input checked="" type="checkbox"/> <u>Engineer</u>	<input type="checkbox"/> <u>Engineer</u>	<input type="checkbox"/> <u>Contractor</u>	<input type="checkbox"/> <u>Gov't. Agency</u>
First Name:	_____			
Last Name:	_____			
Title:	<u>Principal</u>			
Email Address:	_____			
Address:	_____			
City:	<u>Kirkland</u>			
State/Province:	<u>WA</u>	Zip Code:	<u>98033</u>	
Country:	<u>USA</u>			
Telephone:	_____		Phone Ext:	_____
Mobile/Other Phone:	_____		Fax:	_____
Project Name:	<u>Smith Island Drainage</u>			
Your Client for this project is:	<input checked="" type="checkbox"/> <u>Private Co.</u>	<input type="checkbox"/> <u>Public Agency</u>	<input type="checkbox"/> <u>Private Co.</u>	
Project Type:	<input checked="" type="checkbox"/> <u>Stormwater</u>	<input type="checkbox"/> <u>Wastewater</u>	<input type="checkbox"/> <u>Stormwater</u>	<input type="checkbox"/> <u>Other</u>
Project City:	<u>Everett, Washington</u>		Project Zip:	_____
Project Engineer:	_____			
Reviewing Entity who reviews/approves this Scope of Supply & Design Submittal:	<u>Snohomish County</u>			
Final Project Owner and/or Operator:	<u>Snohomish County</u>			
Governing Sewer or Water Authority:	_____			
Does Authority have a lift station standard?	<input checked="" type="checkbox"/> <u>No</u>	<input type="checkbox"/> <u>Yes</u>	<input type="checkbox"/> <u>No</u>	<input type="checkbox"/> <u>N/A</u>
Who should Romtec contact about the lift station design standard?	_____			
What is the Expected Project Bid Date?	_____		Project Completion Date:	_____

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PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length and inside diameter:

Force Main #1: 178' of 4" dia.

Force Main #2: 178' of dual 10" dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.):

HDPE DR9

Force Main is:

New	<u>New</u>	<u>Existing</u>
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Source of Water (Apartments, Industrial...): Stormwater Drainage Pond

2. Elevation change from lift station site to force main discharge point:

_____ 0 ft.

Finish grade elevation at wet well:

_____ 5 ft.

Discharge piping centerline elevation at wet well:

_____ -0.67 ft.

Force main discharge elevation:

_____ 5 ft.

3. Influent sewer elevation:

_____ -5.5 ft.

4. Peak design inflow (maximum flow to lift station):

_____ 4170 g.p.m.

Pumping Rate

4170 g.p.m.

5. Is this lift station considered a classified space?

No	<u>Yes</u>	<u>No</u>
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6. Standby generator requirement:

Permanent	<u>Permanent</u>	<u>Portable</u>	<u>None</u>	<u>Don't Know</u>
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Standby generator fuel:

Diesel	<u>Diesel</u>	<u>Natural Gas</u>	<u>Propane</u>
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7. Available power supply:

480V	<u>208V</u>	<u>240V</u>	<u>480V</u>
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3-phase	<u>Single-phase</u>	<u>3-phase</u>
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