

2.02 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>12/22/2017</u>		
Project Name:	<u>MacDonald Estates</u>		
Information here in provided by:	<u>Blueline Group</u>		
Name:	<u></u>		
Email Address:	<u></u>		
Telephone:	<u></u>	Phone Ext:	<u></u>
Project Site Address:	<u>Kirkland, WA</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>Northshore Utility District</u>		
Governing Sewer or Water Authority:	<u>Northshore Utility District</u>		
Does Authority have a lift station standard?	<input checked="" type="checkbox"/> Yes	<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

Source of Water:	<u>Development</u>		
Water Type:	<u>Wastewater</u>		
Peak design inflow (max flow to lift station):	<u>45</u> g.p.m.		
Pumping Rate:	<u>153</u> g.p.m. (GREATER THAN PEAK INFLOW)		
1. Influent sewer elevation:	<u>343.37</u> ft.		
2. Finish grade elevation at wet well:	<u>348.37</u> ft.		
3. Force main length:	<u>2210</u> ft.		
4. Force main discharge elevation:	<u>427.46</u> ft.		
Force main diameter:	<u>4</u> in. inside dia.		
Force main material (PVC, DI, etc.):	<u>Ductile Iron</u>		
Force Main is:	<u>Existing</u>		
Force Main Discharge (manhole, pressure force main, etc.)	<u>Manhole</u>		
Standby generator (Supplied By Buchan):	<input checked="" type="checkbox"/> Permanent	<input type="checkbox"/> Permanent	<input type="checkbox"/> Portable
Generator fuel:	<input checked="" type="checkbox"/> Diesel	<input type="checkbox"/> Diesel	<input type="checkbox"/> Natural Gas
Power Supply:	<input checked="" type="checkbox"/> 240V	<input type="checkbox"/> 480V	<input type="checkbox"/> 240V
Power Supply:	<input checked="" type="checkbox"/> Single-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