

1.03 DESIGN CRITERIA

Romtec Utilities has created this SSDS based solely on the design criteria listed below that the customer and/or customer's representative has provided. It is the responsibility of the customer as well as any other reviewing entities, to verify that the stated design criteria is accurate. Romtec Utilities has not verified the design criteria and does not have responsibility for confirming its accuracy.

Project Name:	On the Ridge Lift Station
Information here in provided by:	Contour Engineering
CAD site plan available at this time?	Yes
Final Project Owner and/or Operator:	Kitsap County
Governing Sewer or Water Authority:	Kitsap County
Does this project require "Buy America" materials?	No
Source of Water:	Residential Development
Water Type:	Wastewater
Influent sewer elevation:	206 ft.
Finish grade elevation at wet well:	217 ft.
Force Main is:	New
Force main length:	650 ft.
Force main discharge elevation:	232.91 ft.
Force main diameter:	4 in. inside diameter
Force main material (PVC, DI, etc.):	HDPE DR11 IPS
Peak design inflow (max flow to lift station):	56.8 g.p.m.
System Total Dynamic Head (TDH)	46.4 ft.
Pumping Rate:	146 g.p.m.
Pumping rate as compared to peak inflow is:	Greater
Power Supply Voltage:	480V
Power Supply Phase:	Three-Phase
Is the lift station a classified space thus requiring the pumps to be explosion proof?	Yes