

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:	Scappoose Industrial
Information here in provided by:	Cardno
CAD site plan available at this time?	Yes
Final Project Owner and/or Operator:	City of Scappoose
Governing Sewer or Water Authority:	City of Scappoose
Does this project require "Buy America" materials?	No
Source of Water:	New Development
Water Type:	Wastewater
Influent sewer elevation:	29.76 ft.
Finish grade elevation at wet well:	46.25 ft.
Force Main is:	New
Force main length:	1915 ft.
Force main discharge elevation:	47.32 ft. (High point = 52.00 ft.)
Force main diameter:	4 & 6 in. inside diameter
Force main material (PVC, DI, etc.):	PVC C900 DR18
Peak design inflow (max flow to lift station):	102 g.p.m. at initial phases
	426 g.p.m. at full build-out
System Total Dynamic Head (TDH)	67.8 ft.
Pumping Rate:	194 g.p.m. (1 pump in 4")
	398 g.p.m. (1 pump in 6")
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