

1.02 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:	Shipyards Pump Station	
Design information provided by:	Halifax Water	
Source of Water:	Shipyards buildings	
Water Type:	Wastewater	
Final Owner/Operator:	Halifax Water	
CAD site plan available at this time?	Yes	
Does this project require "Buy America" materials?	No	
Influent sewer elevation into wet well:	-7.228	-2.203 m
Force main length (ft.):	96.78 ft (New) 458.33 ft (Existing)	29.5m (New) 139.7m (Existing)
Elevation at end of force main (ft.):	14.606	4.452 m
Force main inside diameter (in.):	4	101.6 mm
Force main pipe material:	PVC C900 DR18	
Peak design inflow into lift station (g.p.m.):	80	302.8 l/m
System Total Dynamic Head (ft.):	45.4	13.8 m
Pumping Rate (g.p.m.):	220	832.8 l/m
Pumping rate as compared to peak inflow is (less than/equal/greater:	Greater	
Power Supply Voltage:	208V	
Power Supply Phase:	Three-Phase	
Is the lift station a classified space thus requiring the pumps to be explosion proof?	Yes	