

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:	Barnett - Curtin Creek Pump Station
Design information provided by:	SGA Engineering
Source of Water:	Development
Water Type:	Wastewater
Final Owner/Operator:	CRWWD
CAD site plan available at this time?	Yes
Does this project require "Buy America" materials?	No
Influent sewer elevation into wet well:	182.2
Force Main is (new/existing):	New
Force main length (ft.):	6440
Elevation at end of force main (ft.):	241.75
Force main inside diameter (in.):	8
Force main pipe material:	PVC C900 DR18
Peak design inflow into lift station (g.p.m.):	350
System Total Dynamic Head (ft.):	88.6
Pumping Rate (g.p.m.):	392
Pumping rate as compared to peak inflow is (less than/equal/greater:	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