

## 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.

<b>Project Name:</b>	CARB Pump Station
<b>Design information provided by:</b>	Cheryl's Construction Group
<b>Source of Water:</b>	CARB Facility
<b>Water Type:</b>	Wastewater
<b>Final Owner/Operator:</b>	Department of General Services (DGS) Real Estate Services
<b>CAD site plan available at this time?</b>	No
<b>Does this project require "Buy America" materials?</b>	No
<b>Influent sewer elevation into wet well:</b>	987.39
<b>Force Main is (new/existing):</b>	New
<b>Force main length (ft.):</b>	5
<b>Elevation at end of force main (ft.):</b>	998.42
<b>Force main inside diameter (in.):</b>	4
<b>Force main pipe material:</b>	DI CL53
<b>Peak design inflow into lift station (g.p.m.):</b>	350
<b>System Total Dynamic Head (ft.):</b>	23
<b>Pumping Rate (g.p.m.):</b>	350
<b>Pumping rate as compared to peak inflow is (less than/equal/greater:</b>	Equal
<b>Power Supply Voltage:</b>	480V
<b>Power Supply Phase:</b>	Three-Phase
<b>Is the lift station a classified space thus requiring the pumps to be explosion proof?</b>	Yes