

5.02 LIFT STATION DESIGN CRITERIA FORM

Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Design Criteria

Date: 9/8/2017

Information here is provided by:

North Coast Engineering

Company/Agency Type:

☒ Engineer

☐ Engineer

☐ Developer

☐ Gov't.
Agency

☐ Other

First Name:

Last Name:

Title:

Principal Engineer

Email Address:

Address:

City:

State/Province:

CA

Zip Code: 93446

Country:

USA

Telephone:

Mobile/Other Phone:

Project Name:

Mission Garden Tract 2527

Your Client for this project is:

☒ Private Co.

☐ Public Agency

☐ Private Co.

Project Site Address (must include if there is a generator):

San Miguel, CA

Project Zip:

Is site plan drawing available at this time?

☒ Yes

☐ Yes

☐ No

☐ N/A

Project Engineer:

Reviewing Entity who reviews/approves this Scope of Supply & Design Submittal:

North Coast Engineering

Final Project Owner and/or Operator:

San Miguel CSD

Governing Sewer or Water Authority:

San Miguel CSD

Does Authority have a lift station standard?

☒ No

☐ Yes

☐ No

☐ N/A

Who should Romtec contact about the lift station design standard?

Does this project require "Buy America" materials?

☒ No

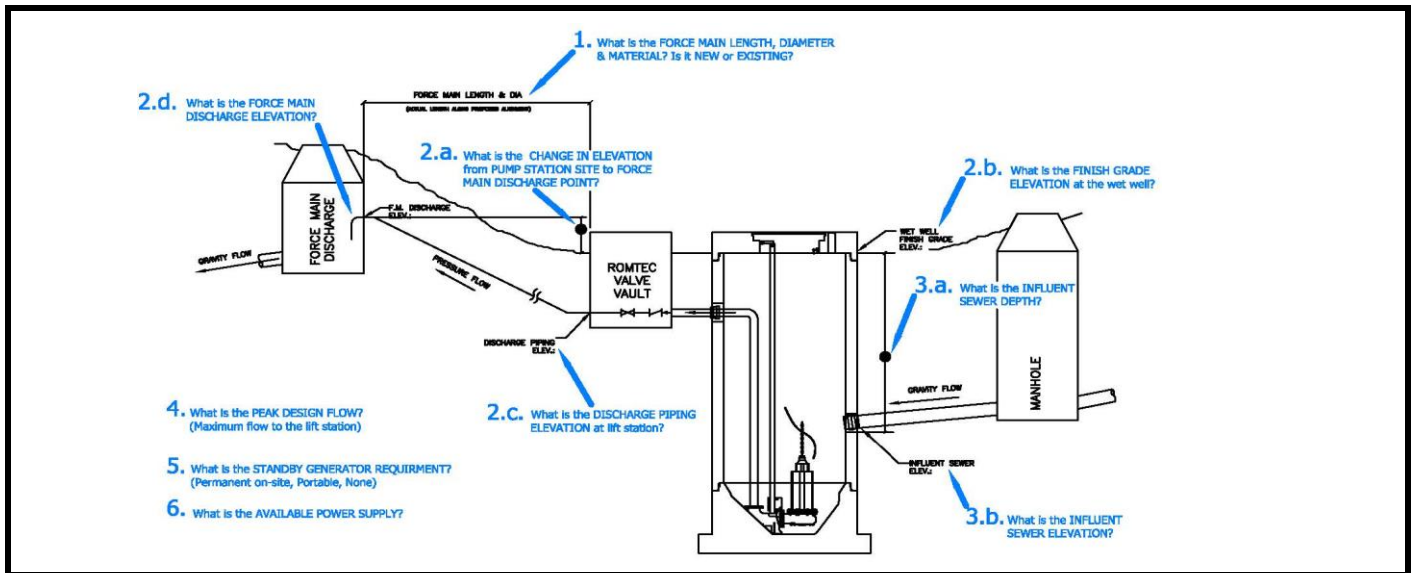
☐ Yes

☐ No

☐ N/A

5.02 LIFT STATION DESIGN CRITERIA FORM

PART 2: DESIGN DATA



1. Force main length:	<u>715 ft.</u> (actual length along proposed alignment)							
Force main diameter (inside):	<u>4.07 in.</u> inside dia.							
Force main material (PVC, DI, etc.):	<u>C900 PVC DR 14</u>							
Force Main is:	<table border="1" style="display: inline-table;"><tr><td><u>New</u></td><td><u>New</u></td><td><u>Existing</u></td></tr></table>	<u>New</u>	<u>New</u>	<u>Existing</u>				
<u>New</u>	<u>New</u>	<u>Existing</u>						
Force Main Discharge (manhole, gravity sewer, pressure force main, etc.)	<u>Manhole</u>							
Source of Water:	<u>Residential</u>							
Water Type:	<u>Wastewater</u>							
2.a. Elevation change from lift station site to force main discharge point:	<u>12.4 ft.</u>							
2.b. Finish grade elevation at wet well:	<u>605.6 ft.</u>							
Discharge piping centerline elevation at lift station:	<u>602.6 ft.</u>							
2.d. Force main discharge elevation:	<u>618 ft.</u>							
3.a. Influent sewer depth:	<u>10.4 ft.</u>							
3.b. Influent sewer elevation:	<u>595.2 ft.</u>							
4. Peak design inflow (maximum flow to lift station):	<u>83 g.p.m.</u>							
5. Pumping Rate:	<u>100 g.p.m.</u> (GREATER THAN PEAK INFLOW)							
6. Standby generator requirement:	<table border="1" style="display: inline-table;"><tr><td><u>Permanent</u></td><td><u>Permanent</u></td><td><u>Portable</u></td><td><u>None</u></td><td><u>Don't Know</u></td></tr></table>	<u>Permanent</u>	<u>Permanent</u>	<u>Portable</u>	<u>None</u>	<u>Don't Know</u>		
<u>Permanent</u>	<u>Permanent</u>	<u>Portable</u>	<u>None</u>	<u>Don't Know</u>				
Standby generator fuel:	<table border="1" style="display: inline-table;"><tr><td><u>Diesel</u></td><td><u>Diesel</u></td><td><u>Natural Gas</u></td><td><u>Propane</u></td></tr></table>	<u>Diesel</u>	<u>Diesel</u>	<u>Natural Gas</u>	<u>Propane</u>			
<u>Diesel</u>	<u>Diesel</u>	<u>Natural Gas</u>	<u>Propane</u>					
7. Available power supply:	<table border="1" style="display: inline-table;"><tr><td><u>240V</u></td><td><u>208V</u></td><td><u>240V</u></td><td><u>480V</u></td></tr><tr><td><u>3-phase</u></td><td><u>Single-phase</u></td><td><u>3-phase</u></td></tr></table>	<u>240V</u>	<u>208V</u>	<u>240V</u>	<u>480V</u>	<u>3-phase</u>	<u>Single-phase</u>	<u>3-phase</u>
<u>240V</u>	<u>208V</u>	<u>240V</u>	<u>480V</u>					
<u>3-phase</u>	<u>Single-phase</u>	<u>3-phase</u>						
Is this lift station considered a classified space?	<table border="1" style="display: inline-table;"><tr><td><u>Yes</u></td><td><u>Yes</u></td><td><u>No</u></td></tr></table>	<u>Yes</u>	<u>Yes</u>	<u>No</u>				
<u>Yes</u>	<u>Yes</u>	<u>No</u>						