

4.02 LIFT STATION DESIGN CRITERIA FORM

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

Design Criteria Date: 9/3/2013

PART 1: PROJECT CONTACT INFORMATION

Information here in provided by: BKF Engineers

Company/Agency Type: Engineer Engineer Developer Gov't. Agency Other

First Name: _____

Last Name: _____

Title: _____

Email Address: _____

Address: _____

City: Santa Rose

State/Province: California Zip Code: 95401

Country: USA

Telephone: _____ Phone Ext: _____

Mobile/Other Phone: _____ Fax: _____

Project Name: Indian Springs Wastewater #1

Your Client for this project is: Private Co. Public Agency Private Co.

Project Type: Wastewater Wastewater Stormwater Other

Project City: Santa Rosa Project Zip: _____

Project Engineer:
Reviewing Entity who reviews/approves this Scope of Supply & Design Submittal: BKF Engineers

Final Project Owner and/or Operator: _____

Governing Sewer or Water Authority: _____

Does Authority have a lift station standard? SELECT ONE Yes No N/A

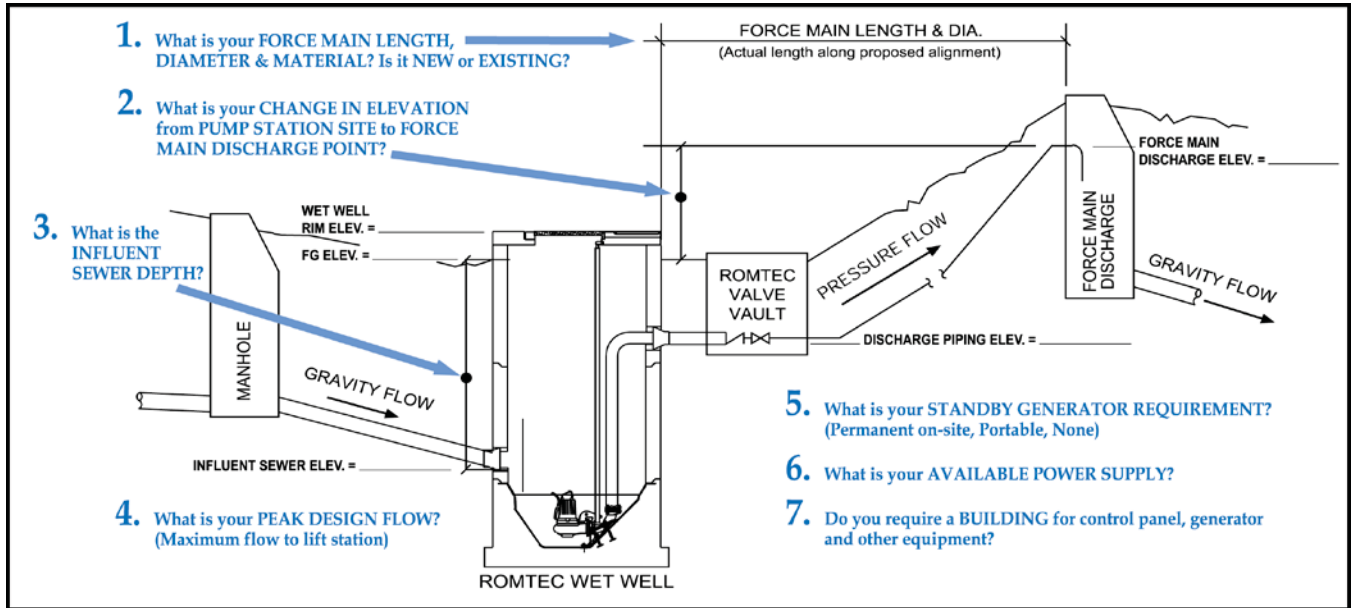
Who should Romtec contact about the lift station design standard? _____

What is the Expected Project Bid Date? _____ Project Completion Date: _____

4.02 LIFT STATION DESIGN CRITERIA FORM

PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1.	Force main length:	<u>15</u> ft.	(actual length along proposed alignment)			
	Force main diameter (inside):	<u>3</u> in.	inside dia.			
	Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.):	<u>PVC</u>				
	Force Main is:	New	New	Existing		
2.	Elevation change from lift station site to force main discharge point:	<u>-1.46</u> ft.				
	Finish grade elevation at wet well:	<u>350.66</u> ft.				
	Discharge piping elevation at valve vault:	<u>349.2</u> ft.				
	Force main discharge elevation:	<u>349.2</u> ft.				
3.	Influent sewer elevation:	<u>342.34</u> ft.				
4.	Peak design inflow (maximum flow to lift station):	<u>78</u> g.p.m.				
5.	Standby generator requirement:	None	Permanent	Portable	None	Don't Know
	Standby generator fuel:	SELECT ONE	Diesel	Natural Gas	Propane	
6.	Available power supply:	240V	208V	240V	480V	
		Single-phase	Single-phase	3-phase		
	Additional loads on site (besides the lift station) to be powered by generator:	<u> </u>	KVA			

4.02 LIFT STATION DESIGN CRITERIA FORM

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

Design Criteria
Date: 9/4/2013

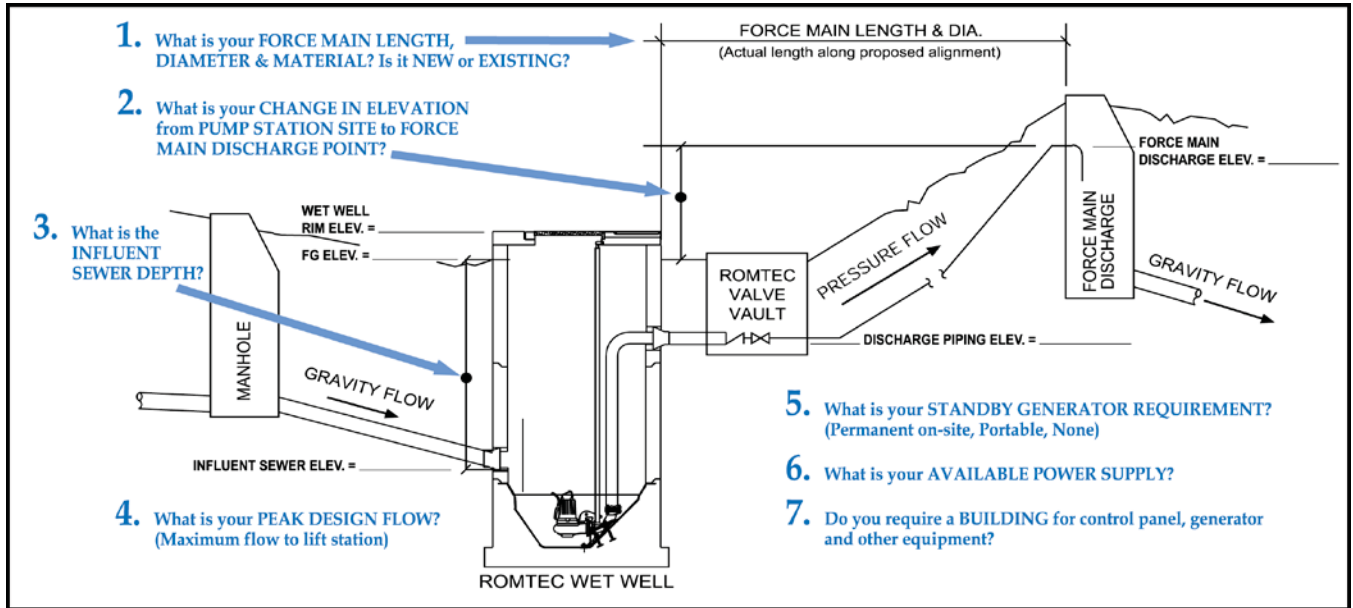
PART 1: PROJECT CONTACT INFORMATION

Information here in provided by:	<u>BKF Engineers</u>				
Company/Agency Type:	<u>Engineer</u>	<u>Engineer</u>	<u>Developer</u>	<u>Gov't. Agency</u>	<u>Other</u>
First Name:	_____				
Last Name:	_____				
Title:	_____				
Email Address:	_____				
Address:	_____				
City:	<u>Santa Rose</u>				
State/Province:	<u>California</u>	Zip Code:	<u>95401</u>		
Country:	<u>USA</u>				
Telephone:	_____		Phone Ext:	_____	
Mobile/Other Phone:	_____		Fax:	_____	
Project Name:	<u>Indian Springs Wastewater #2</u>				
Your Client for this project is:	<u>Private Co.</u>	<u>Public Agency</u>	<u>Private Co.</u>		
Project Type:	<u>Wastewater</u>	<u>Wastewater</u>	<u>Stormwater</u>	<u>Other</u>	
Project City:	<u>Santa Rosa</u>	Project Zip:	_____		
Project Engineer:	_____				
Reviewing Entity who reviews/approves this Scope of Supply & Design Submittal:	<u>BKF Engineers</u>				
Final Project Owner and/or Operator:	_____				
Governing Sewer or Water Authority:	_____				
Does Authority have a lift station standard?	<u>SELECT ONE</u>	<u>Yes</u>	<u>No</u>	<u>N/A</u>	
Who should Romtec contact about the lift station design standard?	_____				
What is the Expected Project Bid Date?	_____	Project Completion Date:	_____		

4.02 LIFT STATION DESIGN CRITERIA FORM

PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length: _____ 18 ft. (actual length along proposed alignment)

Force main diameter (inside): _____ 2 in. inside dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.): _____ PVC

Force Main is: New New Existing

2. Elevation change from lift station site to force main discharge point: _____ -4.45 ft.

Finish grade elevation at wet well: _____ 356.24 ft.

Discharge piping elevation at valve vault: _____ 351.79 ft.

Force main discharge elevation: _____ 351.79 ft.

3. Influent sewer elevation: _____ 344.53 ft.

4. Peak design inflow (maximum flow to lift station): _____ 18 g.p.m.

5. Standby generator requirement: None Permanent Portable None Don't Know

Standby generator fuel: SELECT ONE Diesel Natural Gas Propane

6. Available power supply: 240V 208V 240V 480V

Single-phase Single-phase 3-phase

Additional loads on site (besides the lift station) to be powered by generator: _____ KVA