1.02 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: 2/18/2015

Information here in provided by: YEI Engineering

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

First Name:

Last Name:

Title: PE

Email Address:

Address:

City: Oakland

State/Province: CA Zip Code: 94621

Country: USA

Telephone: Phone Ext: 314

Mobile/Other Phone: Fax:

Project Name: Mission Boulevard

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

Water Type: Stormwater

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

Fremont, CA Project Zip: 94539

Is site plan drawing available at this time? [No] Yes | No | N/A

Project Engineer:

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

Final Project Owner and/or Operator: Cal Trans

Governing Sewer or Water Authority: Cal Trans

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

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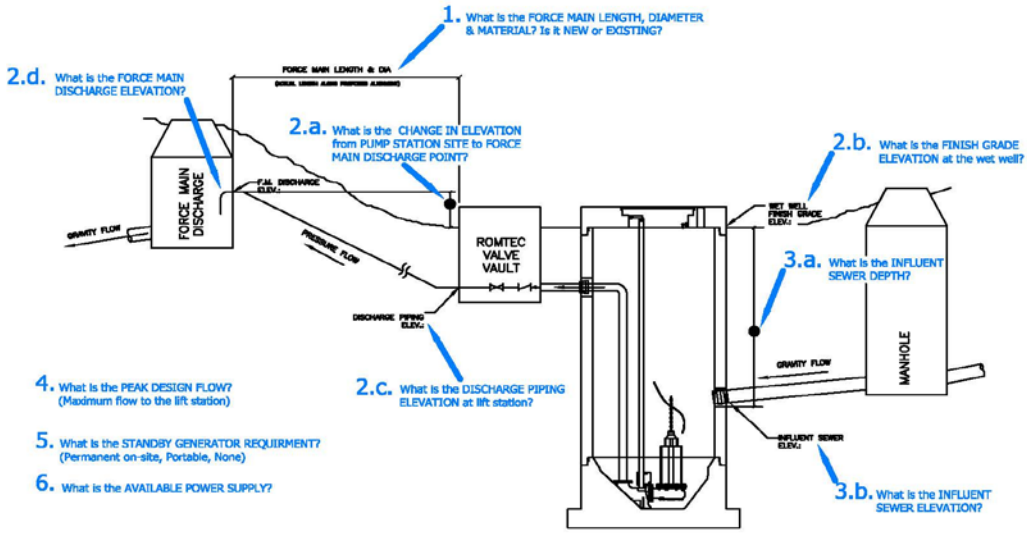
PART 2: DESIGN DATA



1. Force main length: 59 ft. (actual length along proposed alignment)

Force main diameter (inside): 2.9 in. inside dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.): SCH 80 PVC

Force Main is:	New	New	Existing

Force Main Discharge (i.e., manhole to gravity sewer, pressure force main, storage tank, etc.): ?

Source of Water: Stormwater

2.a Elevation change from lift station site to force main discharge point: 0.5 ft.

2.b Finish grade elevation at wet well: 30 ft.

2.c Discharge piping elevation at lift station: 27.25 ft.

2.d Force main discharge elevation: 30.5 ft.

3.a Influent sewer depth: 10.25 ft.

3.b Influent sewer elevation: 19.75 ft.

4. Peak design inflow (maximum flow to lift station): 60 g.p.m. @ 36 ft TDH

Pumping Rate: 62 g.p.m.

5. Standby generator requirement:	None	Permanent	Portable	None	Don't Know
Standby generator fuel:		Diesel	Natural Gas	Propane	
6. Available power supply:	240V	208V	240V	480V	
	Single-phase	Single-phase	3-phase		
Is this lift station considered a classified space?	No	Yes	No		