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: 5/23/2014

Information here in provided by: Mark Thomas and Company

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

First Name:

Last Name:

Title:

Email Address:

Address:

City: Antioch

State/Province: California Zip Code:

Country: USA

Telephone: Phone Ext:

Mobile/Other Phone: Fax:

Project Name: Antioch Gypsum Plant

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

Project Type: [Stormwater] Wastewater | Stormwater | Other

Project City: Antioch Project Zip:

Project Engineer: Chris Briana

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

Final Project Owner and/or Operator: N/A

Governing Sewer or Water Authority: N/A

Does Authority have a lift station standard? [N/A] Yes | No | N/A

Who should Romtec contact about the lift station design standard? N/A

What is the Expected Project Bid Date? N/A Project Completion Date:

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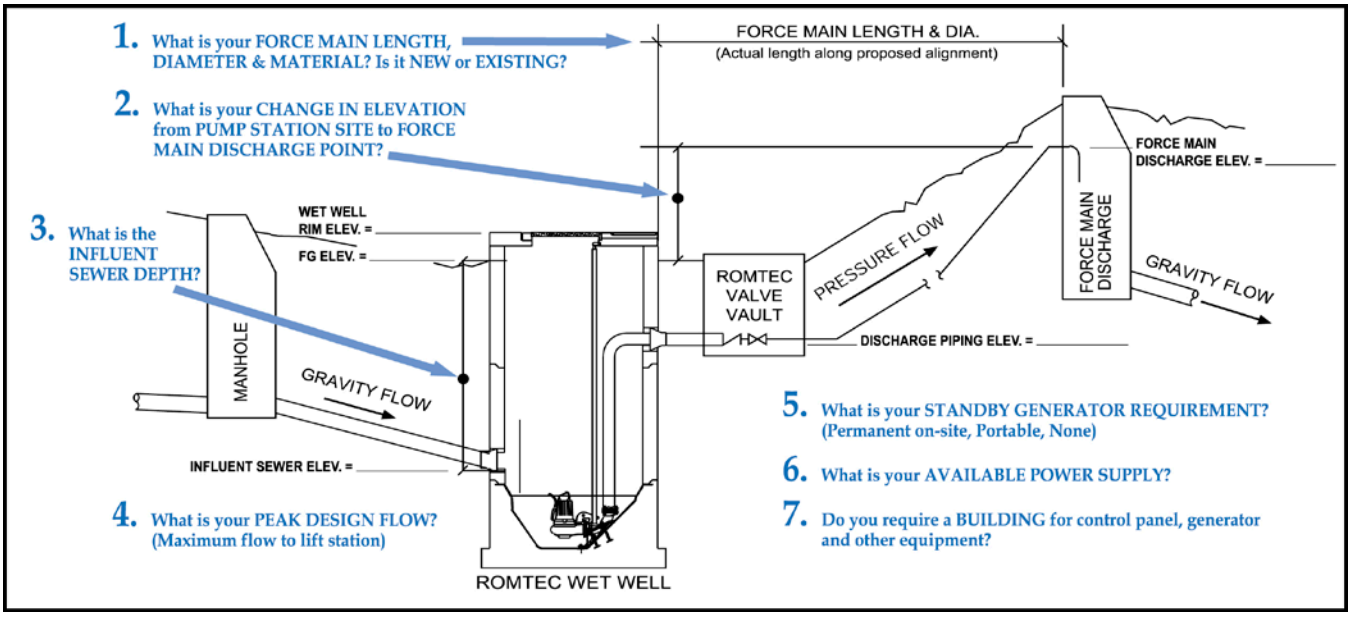
PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length: 200 ft. (actual length along proposed alignment)

Force main diameter (inside): 14 in. inside dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.): PVC C905 DR25

Force Main is: **New** | New | Existing

Source of Water: Storm runoff collection from plant facilities.

2. Elevation change from lift station site to force main discharge point: 1 ft.

Finish grade elevation at wet well: 25 ft.

Discharge piping elevation: 21 ft.

Force main discharge elevation: 26 ft.

3. Influent sewer elevation: 12 ft.

4. Peak design inflow (maximum flow to lift station): 3100 g.p.m.

5. Is this lift station considered a classified space? **No** | Yes | No

6. Standby generator requirement: **Portable** | Permanent | Portable | None | Don't Know

Standby generator fuel: **[blank]** | Diesel | Natural Gas | Propane

7. Available power supply: **480V** | 208V | 240V | 480V

3-phase | Single-phase | 3-phase

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