

4.02 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: _____

Information here in provided by:

Bethel Engineering

Company/Agency Type:

| | | | | |
|-----------------|-----------------|------------------|----------------------|--------------|
| Engineer | <u>Engineer</u> | <u>Developer</u> | <u>Gov't. Agency</u> | <u>Other</u> |
|-----------------|-----------------|------------------|----------------------|--------------|

First Name: _____

Last Name: _____

Title: _____

Email Address: _____

Address: _____

City: _____

State/Province:

CA Zip Code: 93455

Country: _____

USA

Telephone: _____

Phone Ext: _____

Mobile/Other Phone: _____

Fax: _____

Project Name:

DJ Farms Lift Station

Your Client for this project is:

| | | | |
|--------------------|----------------------|--------------------|--|
| Private Co. | <u>Public Agency</u> | <u>Private Co.</u> | |
|--------------------|----------------------|--------------------|--|

Project Type:

| | | | |
|-------------------|-------------------|-------------------|--------------|
| Wastewater | <u>Wastewater</u> | <u>Stormwater</u> | <u>Other</u> |
|-------------------|-------------------|-------------------|--------------|

Project City:

Guadalupe, CA Project Zip: _____

Project Engineer:

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

Bethel Engineering

Final Project Owner and/or Operator:

City of Guadalupe

Governing Sewer or Water Authority:

City of Guadalupe

Does Authority have a lift station standard?

| | | | |
|-----------|------------|-----------|------------|
| No | <u>Yes</u> | <u>No</u> | <u>N/A</u> |
|-----------|------------|-----------|------------|

Who should Romtec contact about the lift station design standard?

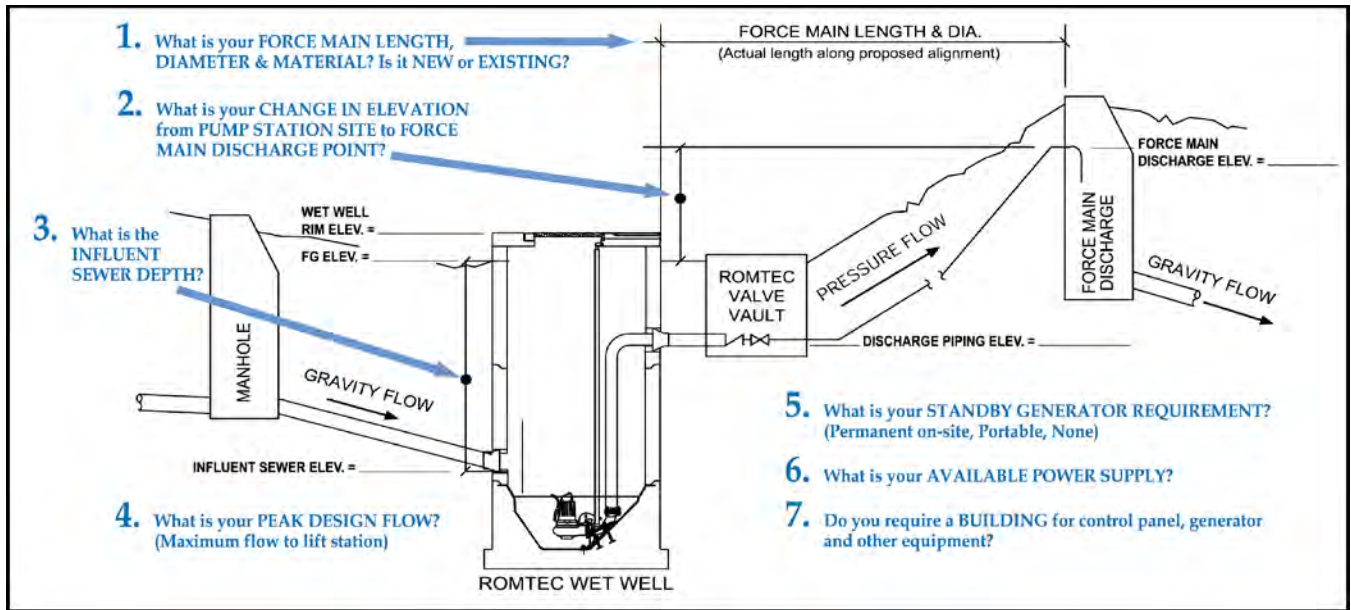
What is the Expected Project Bid Date?

_____ Project Completion Date: _____

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PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



| | | | |
|-----------|--|---|--|
| 1. | Force main length: | <u>1646</u> ft. (actual length along proposed alignment) | |
| | Force main diameter (inside): | <u>4</u> in. inside dia. Phases 1-3 and 6 | |
| | Force main material: | <u>PVC C900 CL150</u> | |
| | Force Main is: | <input checked="" type="checkbox"/> <u>New</u> | <input type="checkbox"/> <u>New</u> <input type="checkbox"/> <u>Existing</u> |
| | Source of Water: | <u>Subdivision</u> | |
| | Ground water level: | <u>81.5</u> ft. | |
| 2. | Elevation change from lift station site to force main discharge point: | <u>-1.3</u> ft. | |
| | Finish grade elevation at wet well: | <u>86.5</u> ft. | |
| | Discharge piping elevation at valve vault: | <u>78.84</u> ft. | |
| | Force main discharge elevation: | <u>85.2</u> ft. | |
| 3. | Influent sewer elevation: | <u>70.25</u> ft. | |
| 4. | Peak design inflow (maximum flow to lift station): | <u>7.7</u> g.p.m. Phase 1 <u>57.4</u> g.p.m. Phase 2 <u>117</u> g.p.m. Phase 3 <u>283.1</u> g.p.m. Phase 4 <u>451.2</u> g.p.m. Phase 5 <u>702.1</u> g.p.m. Phase 6 | |
| 5. | Standby generator requirement: | <input checked="" type="checkbox"/> <u>Permanent</u> | <input type="checkbox"/> <u>Permanent</u> <input type="checkbox"/> <u>Portable</u> <input type="checkbox"/> <u>None</u> <input type="checkbox"/> <u>Don't Know</u> |
| | Standby generator fuel: | <input checked="" type="checkbox"/> <u>Natural Gas</u> | <input type="checkbox"/> <u>Diesel</u> <input type="checkbox"/> <u>Natural Gas</u> <input type="checkbox"/> <u>Propane</u> |
| 6. | Available power supply: | <input checked="" type="checkbox"/> <u>480V</u> | <input type="checkbox"/> <u>208V</u> <input type="checkbox"/> <u>240V</u> <input type="checkbox"/> <u>480V</u> |
| | | <input checked="" type="checkbox"/> <u>3-phase</u> | <input type="checkbox"/> <u>Single-phase</u> <input type="checkbox"/> <u>3-phase</u> |