

## 5.02 LIFT STATION DESIGN CRITERIA

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

### PART 1: PROJECT CONTACT INFORMATION

Date: 3/10/2016

Project Name: Bay 101 - Pump #1

Information here in provided by: HMH

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: San Jose, CA

ACAD site plan drawing available at this time?  No  Yes  No  N/A

Final Project Owner and/or Operator: \_\_\_\_\_

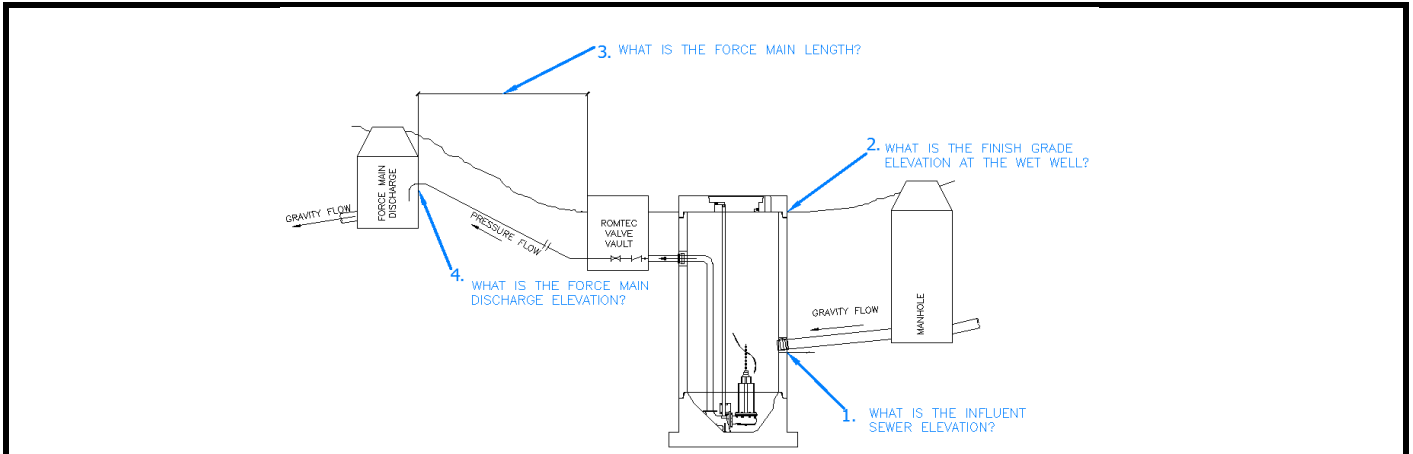
Governing Sewer or Water Authority: \_\_\_\_\_

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

Does this project require "Buy America" materials?  No  Yes  No  N/A

### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



Source of Water: ?

Water Type: Stormwater

Peak design inflow (max flow to lift station): 417 g.p.m.

Pumping Rate: 36 g.p.m. (LESS THAN PEAK INFLOW)

**1.** Influent sewer elevation: 36.22 ft.

**2.** Finish grade elevation at wet well: 42.3 ft.

**3.** Force main length: 51 ft.

**4.** Force main discharge elevation: 42.37 ft.

Force main diameter: 1.5 in. inside dia.

Force main material (PVC, DI, etc.): SCH 40 PVC

Force Main is:  New  New  Existing

Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator:  N/A  Permanent  Portable  N/A

Generator fuel:  Diesel  Natural Gas

Power Supply:  240V  480V  240V  208V

Power Supply:  Single-phase  Three-Phase  Single-phase

Is lift station a classified space?  No  Yes  No

## 5.02 LIFT STATION DESIGN CRITERIA

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

### PART 1: PROJECT CONTACT INFORMATION

Date: 3/10/2016

Project Name: Bay 101 - Pump #2

Information here in provided by: HMH

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: San Jose, CA

ACAD site plan drawing available at this time?  No  Yes  No  N/A

Final Project Owner and/or Operator: \_\_\_\_\_

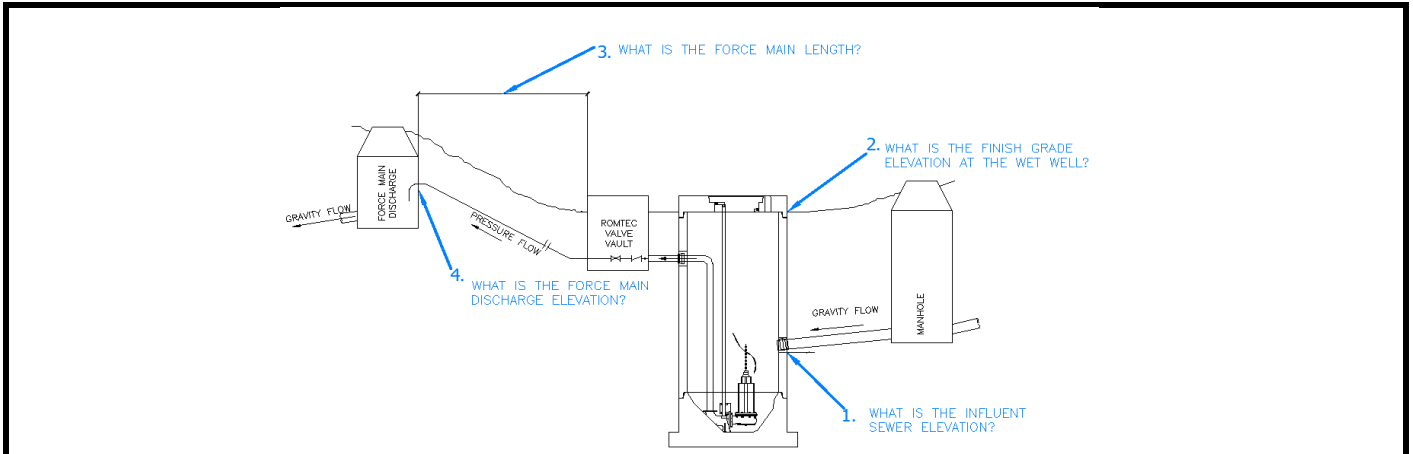
Governing Sewer or Water Authority: \_\_\_\_\_

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

Does this project require "Buy America" materials?  No  Yes  No  N/A

### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



Source of Water: ?

Water Type: Stormwater

Peak design inflow (max flow to lift station): 566 g.p.m.

Pumping Rate: 36 g.p.m. (LESS THAN PEAK INFLOW)

**1.** Influent sewer elevation: 36.31 ft.

**2.** Finish grade elevation at wet well: 42.2 ft.

**3.** Force main length: 63 ft.

**4.** Force main discharge elevation: 42.5 ft.

Force main diameter: 2 in. inside dia.

Force main material (PVC, DI, etc.): SCH 40 PVC

Force Main is:  New  New  Existing

Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator:  N/A  Permanent  Portable  N/A

Generator fuel:  Diesel  Natural Gas

Power Supply:  240V  480V  240V  208V

Power Supply:  Single-phase  Three-Phase  Single-phase

Is lift station a classified space?  No  Yes  No

## 5.02 LIFT STATION DESIGN CRITERIA

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

### PART 1: PROJECT CONTACT INFORMATION

Date: 3/10/2016

Project Name: Bay 101 - Pump #3

Information here in provided by: HMH

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: San Jose, CA

ACAD site plan drawing available at this time?  No  Yes  No  N/A

Final Project Owner and/or Operator: \_\_\_\_\_

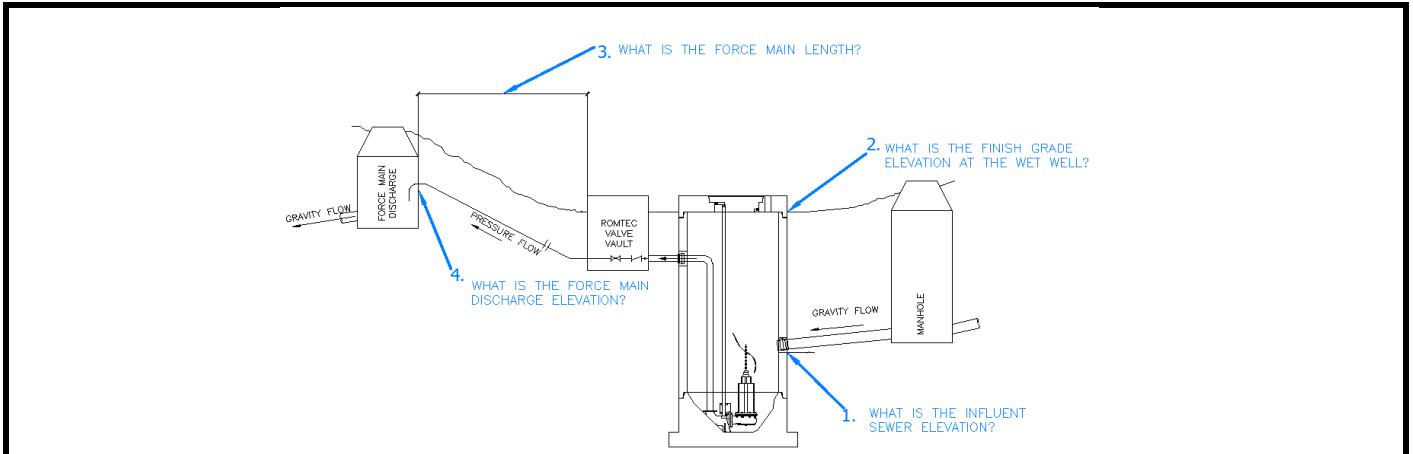
Governing Sewer or Water Authority: \_\_\_\_\_

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

Does this project require "Buy America" materials?  No  Yes  No  N/A

### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



Source of Water: ?

Water Type: Stormwater

Peak design inflow (max flow to lift station): 391 g.p.m.

Pumping Rate: 55 g.p.m. (LESS THAN PEAK INFLOW)

**1.** Influent sewer elevation: 37.13 ft.

**2.** Finish grade elevation at wet well: 43.6 ft.

**3.** Force main length: 94 ft.

**4.** Force main discharge elevation: 45.12 ft.

Force main diameter: 2 in. inside dia.

Force main material (PVC, DI, etc.): SCH 40 PVC

Force Main is:  New  New  Existing

Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator:  N/A  Permanent  Portable  N/A

Generator fuel:  Diesel  Natural Gas

Power Supply:  240V  480V  240V  208V

Power Supply:  Single-phase  Three-Phase  Single-phase

Is lift station a classified space?  No  Yes  No

## 5.02 LIFT STATION DESIGN CRITERIA

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

### PART 1: PROJECT CONTACT INFORMATION

Date: 3/10/2016

Project Name: Bay 101 - Pump #4

Information here in provided by: HMH

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: San Jose, CA

ACAD site plan drawing available at this time?  No  Yes  No  N/A

Final Project Owner and/or Operator: \_\_\_\_\_

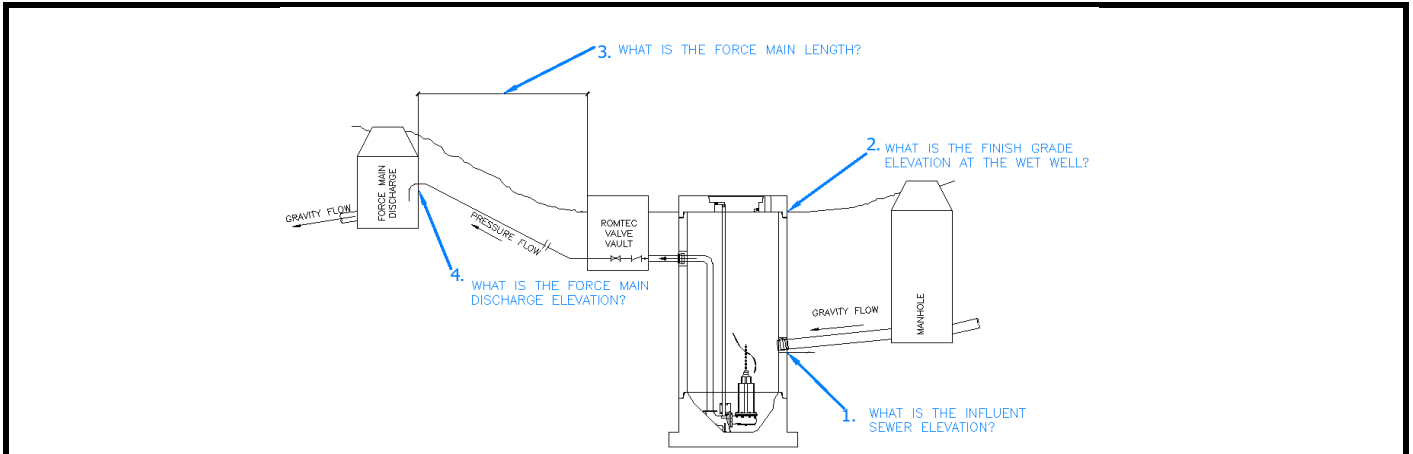
Governing Sewer or Water Authority: \_\_\_\_\_

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

Does this project require "Buy America" materials?  No  Yes  No  N/A

### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



Source of Water: ?

Water Type: Stormwater

Peak design inflow (max flow to lift station): 673 g.p.m.

Pumping Rate: 58 g.p.m. (LESS THAN PEAK INFLOW)

**1.** Influent sewer elevation: 38.82 ft.

**2.** Finish grade elevation at wet well: 46.6 ft.

**3.** Force main length: 5 ft.

**4.** Force main discharge elevation: 46.37 ft.

Force main diameter: 2 in. inside dia.

Force main material (PVC, DI, etc.): SCH 40 PVC

Force Main is:  New  New  Existing

Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator:  N/A  Permanent  Portable  N/A

Generator fuel:  Diesel  Natural Gas

Power Supply:  240V  480V  240V  208V

Power Supply:  Single-phase  Three-Phase  Single-phase

Is lift station a classified space?  No  Yes  No

## 5.02 LIFT STATION DESIGN CRITERIA

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

### PART 1: PROJECT CONTACT INFORMATION

Date: 3/10/2016

Project Name: Bay 101 - Pump #5

Information here in provided by: HMH

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: San Jose, CA

ACAD site plan drawing available at this time?  No  Yes  No  N/A

Final Project Owner and/or Operator: \_\_\_\_\_

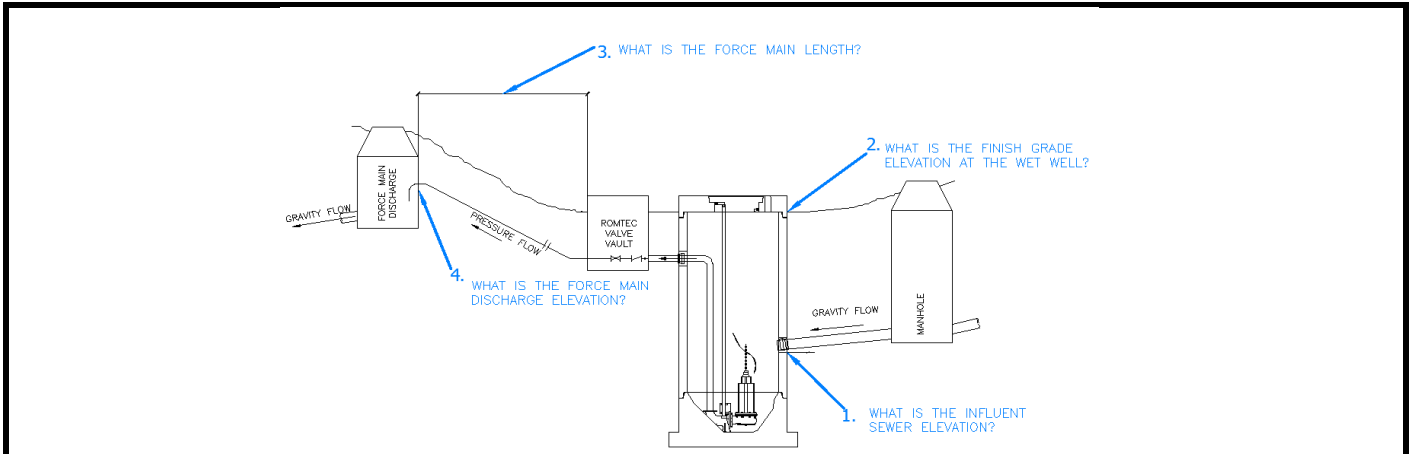
Governing Sewer or Water Authority: \_\_\_\_\_

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

Does this project require "Buy America" materials?  No  Yes  No  N/A

### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



Source of Water: ?

Water Type: Stormwater

Peak design inflow (max flow to lift station): 417 g.p.m.

Pumping Rate: 187 g.p.m. (LESS THAN PEAK INFLOW)

**1.** Influent sewer elevation: 38 ft.

**2.** Finish grade elevation at wet well: 43.2 ft.

**3.** Force main length: 44 ft.

**4.** Force main discharge elevation: 42.77 ft.

Force main diameter: 3 in. inside dia.

Force main material (PVC, DI, etc.): SCH 40 PVC

Force Main is:  New  New  Existing

Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator:  N/A  Permanent  Portable  N/A

Generator fuel:  Diesel  Natural Gas

Power Supply:  240V  480V  240V  208V

Power Supply:  Single-phase  Three-Phase  Single-phase

Is lift station a classified space?  No  Yes  No

## 5.02 LIFT STATION DESIGN CRITERIA

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

### PART 1: PROJECT CONTACT INFORMATION

Date: 3/10/2016

Project Name: Bay 101 - Pump #6

Information here in provided by: HMH

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: San Jose, CA

ACAD site plan drawing available at this time? 

No	Yes	No	N/A
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Final Project Owner and/or Operator: \_\_\_\_\_

Governing Sewer or Water Authority: \_\_\_\_\_

Does Authority have a lift station standard? 

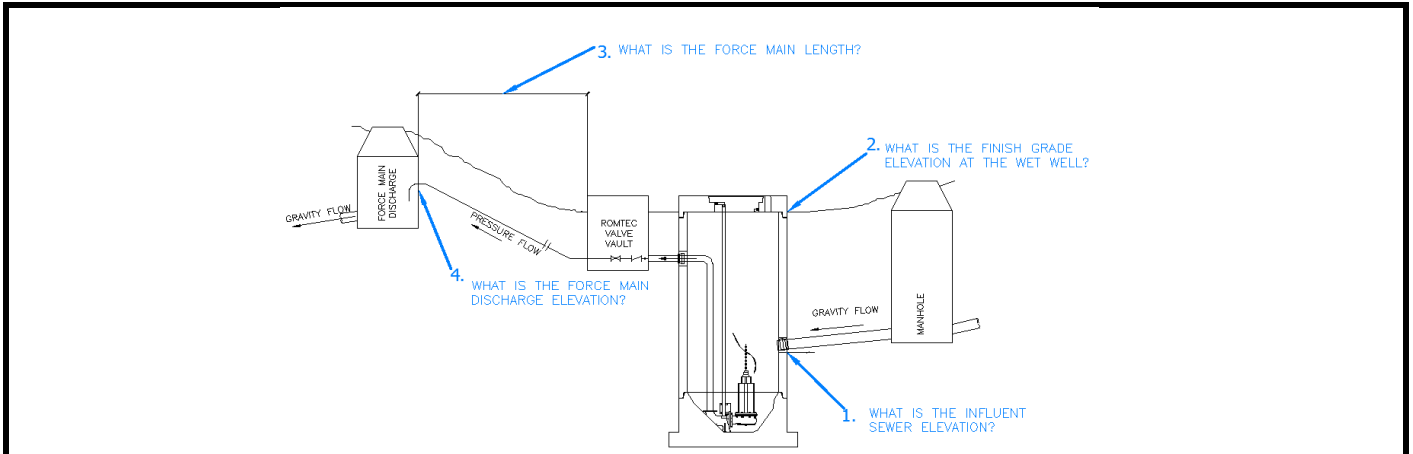
No	Yes	No	N/A
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Does this project require "Buy America" materials? 

No	Yes	No	N/A
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### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



Source of Water: ?

Water Type: Stormwater

Peak design inflow (max flow to lift station): 417 g.p.m.

Pumping Rate: 31 g.p.m. (LESS THAN PEAK INFLOW)

**1.** Influent sewer elevation: 35.91 ft.

**2.** Finish grade elevation at wet well: 45.3 ft.

**3.** Force main length: 13 ft.

**4.** Force main discharge elevation: 40.51 ft.

Force main diameter: 1.5 in. inside dia.

Force main material (PVC, DI, etc.): SCH 40 PVC

Force Main is: 

New	New	Existing
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Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator: 

N/A	Permanent	Portable	N/A
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Generator fuel: 

	Diesel	Natural Gas	
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Power Supply: 

240V	480V	240V	208V
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Power Supply: 

Single-phase	Three-Phase	Single-phase	
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Is lift station a classified space? 

No	Yes	No	
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