

## 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: \_\_\_\_\_

Project Name: Naval Base Kitsap: \_\_\_\_\_

Information here in provided by: \_\_\_\_\_

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

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

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

Project Site Address: \_\_\_\_\_

ACAD site plan drawing available at this time? 

No	Yes	No	N/A
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Final Project Owner and/or Operator: US Navy

Governing Sewer or Water Authority: US Navy

Does Authority have a lift station standard? 

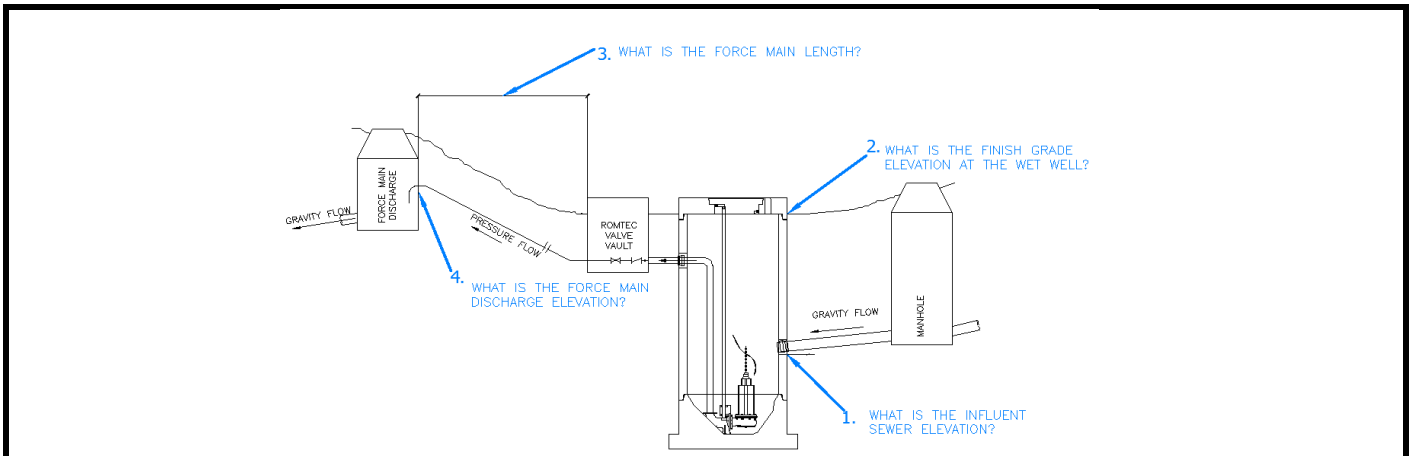
No	Yes	No	N/A
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Does this project require "Buy America" materials? 

Yes	Yes	No	N/A
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*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*

### PART 2: DESIGN DATA



Source of Water: Naval Base

Water Type: Wastewater

Peak design inflow (max flow to lift station): 265 g.p.m. @ 42 ft. TDH

Pumping Rate: 265 g.p.m.

**1.** Influent sewer elevation: \_\_\_\_\_ ft.

**2.** Finish grade elevation at wet well: \_\_\_\_\_ ft.

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

**4.** Force main discharge elevation: \_\_\_\_\_ ft.

Force main diameter: \_\_\_\_\_ in. inside dia.

Force main material (PVC, DI, etc.): Ductile Iron

Force Main is: 

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

Standby generator: (By others) 

Permanent	Permanent	Portable	N/A
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Generator fuel: 

Diesel	Diesel	Natural Gas
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Power Supply: 

208V	480V	240V	208V
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Power Supply: 

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

Yes	Yes	No
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Email Address: \_\_\_\_\_

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

Project Site Address: \_\_\_\_\_

ACAD site plan drawing available at this time? 

No	Yes	No	N/A
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Final Project Owner and/or Operator: US Navy

Governing Sewer or Water Authority: US Navy

Does Authority have a lift station standard? 

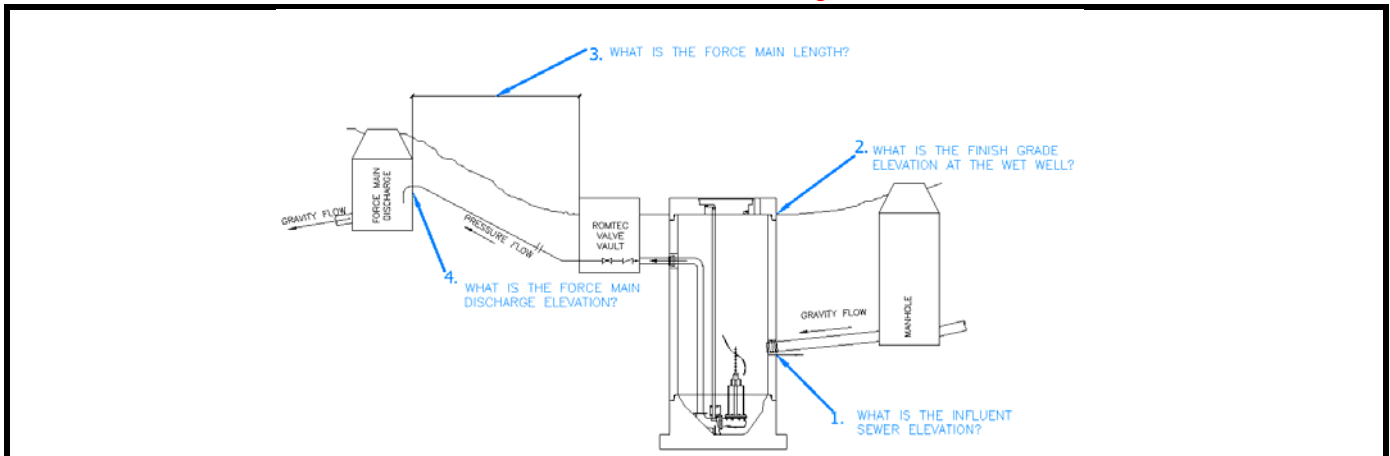
No	Yes	No	N/A
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Does this project require "Buy America" materials? 

Yes	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: Naval Base

Water Type: Wastewater

Peak design inflow (max flow to lift station): 100 g.p.m. @ 40 ft. TDH

Pumping Rate: 100 g.p.m.

1. Influent sewer elevation: \_\_\_\_\_ ft.

2. Finish grade elevation at wet well: \_\_\_\_\_ ft.

3. Force main length: ? ft.

4. Force main discharge elevation: ? ft.

Force main diameter: ? in. inside dia.

Force main material (PVC, DI, etc.): ?

Force Main is: 

<u>Existing</u>	<u>New</u>	<u>Existing</u>
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Force Main Discharge (manhole, pressure force main, etc.): ?

Standby generator: (By others) 

<u>Permanent</u>	<u>Permanent</u>	<u>Portable</u>	<u>N/A</u>
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Generator fuel: 

<u>Diesel</u>	<u>Diesel</u>	<u>Natural Gas</u>
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Power Supply: 

<u>480V</u>	<u>480V</u>	<u>240V</u>	<u>208V</u>
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Power Supply: 

<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Single-phase</u>
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Is lift station a classified space? 

<u>Yes</u>	<u>Yes</u>	<u>No</u>
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Information here in provided by: \_\_\_\_\_

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

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

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

Project Site Address: \_\_\_\_\_

ACAD site plan drawing available at this time? 

No	Yes	No	N/A
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Final Project Owner and/or Operator: US Navy

Governing Sewer or Water Authority: US Navy

Does Authority have a lift station standard? 

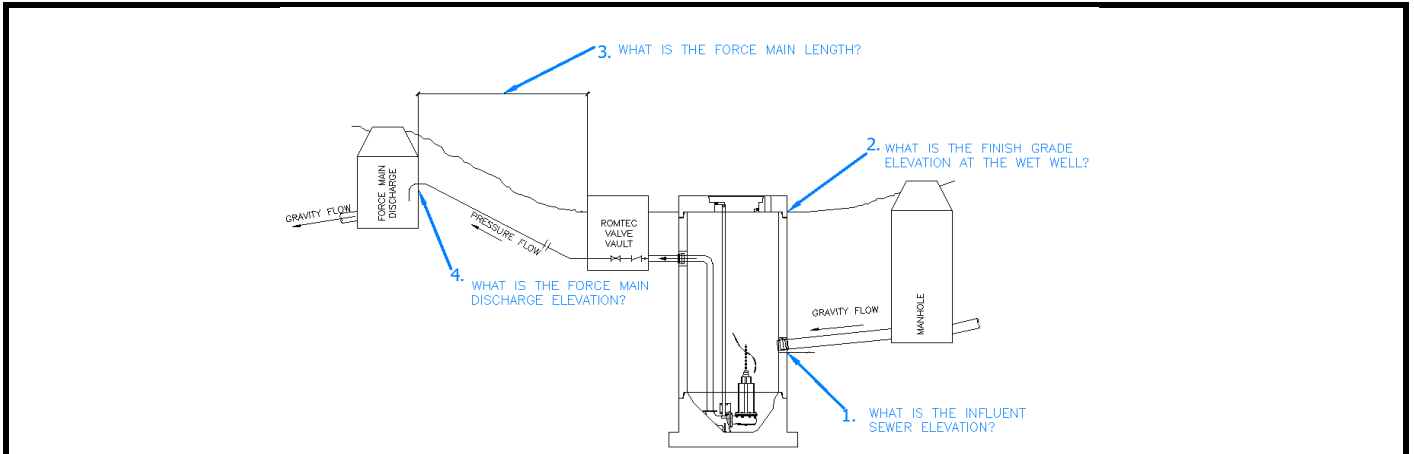
No	Yes	No	N/A
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Does this project require "Buy America" materials? 

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



Source of Water: Naval Base

Water Type: Wastewater

Peak design inflow (max flow to lift station): 1160 g.p.m. @ 120 ft. TDH

Pumping Rate: 1140 g.p.m. (LESS THAN THE PEAK DESIGN INFLOW)

**1.** Influent sewer elevation: \_\_\_\_\_ ft.

**2.** Finish grade elevation at wet well: \_\_\_\_\_ ft.

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

**4.** Force main discharge elevation: \_\_\_\_\_ ft.

Force main diameter: 10 in. inside dia.

Force main material (PVC, DI, etc.): Ductile Iron

Force Main is: 

<u>Existing</u>	<u>New</u>	<u>Existing</u>
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Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator: (By others) 

<u>Permanent</u>	<u>Permanent</u>	<u>Portable</u>	<u>N/A</u>
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Generator fuel: 

<u>Diesel</u>	<u>Diesel</u>	<u>Natural Gas</u>
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Power Supply: 

<u>480V</u>	<u>480V</u>	<u>240V</u>	<u>208V</u>
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Power Supply: 

<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Single-phase</u>
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Is lift station a classified space? 

<u>Yes</u>	<u>Yes</u>	<u>No</u>
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Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: \_\_\_\_\_

ACAD site plan drawing available at this time? 

No	Yes	No	N/A
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Final Project Owner and/or Operator: US Navy

Governing Sewer or Water Authority: US Navy

Does Authority have a lift station standard? 

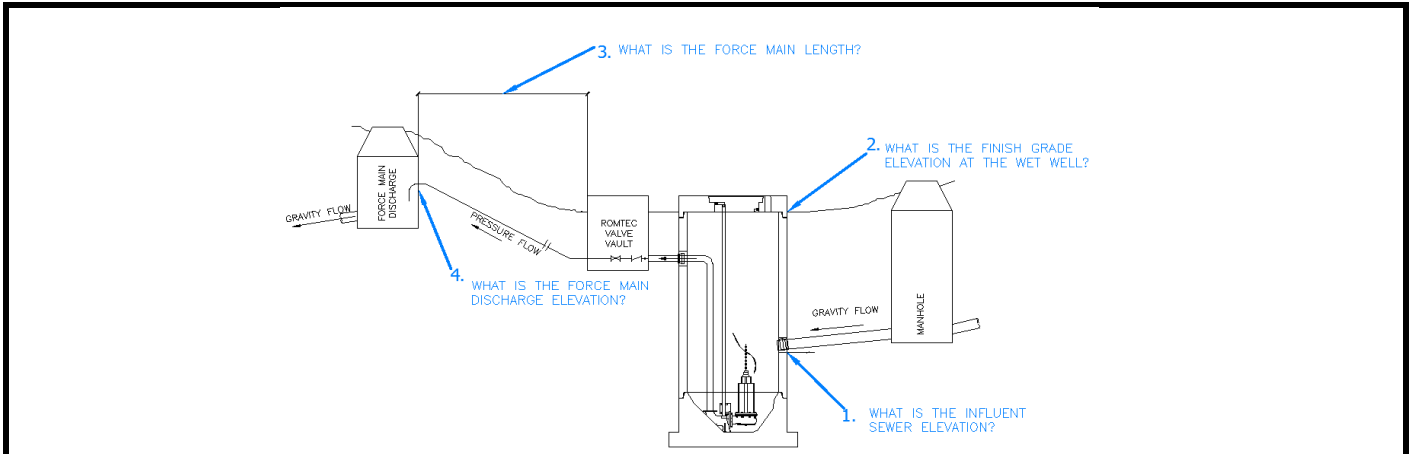
No	Yes	No	N/A
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Does this project require "Buy America" materials? 

Yes	Yes	No	N/A
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*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*

### PART 2: DESIGN DATA



Source of Water: Naval Base

Water Type: Wastewater

Peak design inflow (max flow to lift station): 480 g.p.m. @ 130 ft. TDH

Pumping Rate: 480 g.p.m.

**1.** Influent sewer elevation: \_\_\_\_\_ ft.

**2.** Finish grade elevation at wet well: \_\_\_\_\_ ft.

**3.** Force main length: \_\_\_\_\_ ft.

**4.** Force main discharge elevation: \_\_\_\_\_ ft.

Force main diameter: 8 in. inside dia.

Force main material (PVC, DI, etc.): Ductile Iron

Force Main is: 

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

Standby generator: (By others) 

Permanent	Permanent	Portable	N/A
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Generator fuel: 

Diesel	Diesel	Natural Gas
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Power Supply: 

480V	480V	240V	208V
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Power Supply: 

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

Yes	Yes	No
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Telephone: \_\_\_\_\_ Phone Ext: \_\_\_\_\_

Project Site Address: \_\_\_\_\_

ACAD site plan drawing available at this time? 

No	Yes	No	N/A
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Final Project Owner and/or Operator: US Navy

Governing Sewer or Water Authority: US Navy

Does Authority have a lift station standard? 

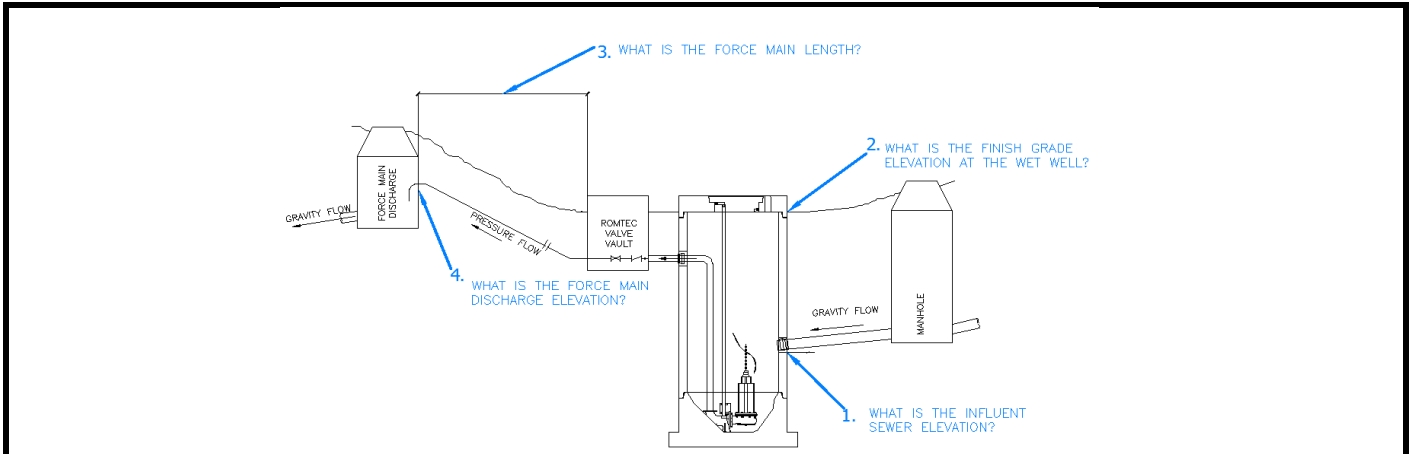
No	Yes	No	N/A
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Does this project require "Buy America" materials? 

Yes	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: Naval Base

Water Type: Wastewater

Peak design inflow (max flow to lift station): 360 g.p.m. @ 90 ft. TDH

Pumping Rate: 360 g.p.m.

**1.** Influent sewer elevation: \_\_\_\_\_ ft.

**2.** Finish grade elevation at wet well: \_\_\_\_\_ ft.

**3.** Force main length: \_\_\_\_\_ ft.

**4.** Force main discharge elevation: \_\_\_\_\_ ft.

Force main diameter: 6 in. inside dia.

Force main material (PVC, DI, etc.): ?

Force Main is: 

<u>Existing</u>	<u>New</u>	<u>Existing</u>
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Force Main Discharge (manhole, pressure force main, etc.) ?

Standby generator: (By others) 

<u>N/A</u>	<u>Permanent</u>	<u>Portable</u>	<u>N/A</u>
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Generator fuel: 

	<u>Diesel</u>	<u>Natural Gas</u>	
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Power Supply: 

<u>480V</u>	<u>480V</u>	<u>240V</u>	<u>208V</u>
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Power Supply: 

<u>Three-Phase</u>	<u>Three-Phase</u>	<u>Single-phase</u>	
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Is lift station a classified space? 

<u>Yes</u>	<u>Yes</u>	<u>No</u>	
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