

# 1.04 DESIGN CRITERIA FORM



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

Date: 4/21/2017  
 Project Name: Long Beach Exchange - SW2  
 Information here in provided by: Long Beach, CA  
 Name: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

## DESIGN CRITERIA

Project Site Address: Long Beach, CA  
 CAD site plan available at this time? 

No	Yes	No	N/A
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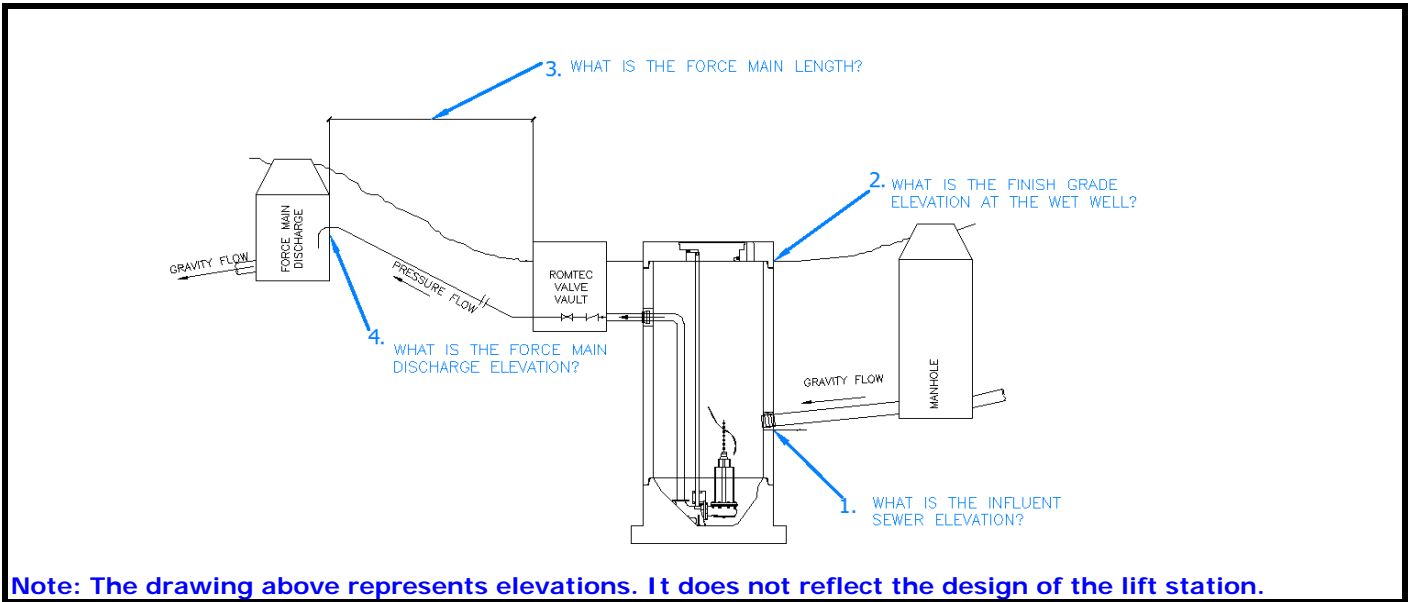
  
 Final Project Owner and/or Operator: \_\_\_\_\_  
 Governing Sewer or Water Authority: \_\_\_\_\_  
 Does Authority have a lift station standard? 

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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 Source of Water: Stormwater  
 Water Type: Stormwater



Peak design inflow (max flow to lift station): Unknown g.p.m.  
 Pumping Rate: 150 g.p.m. @ 17.4 ft. TDH

1. Influent sewer elevation: 42.3 ft.  
 2. Finish grade elevation at wet well: 46.3 ft.  
 3. Force main length: 63 ft.  
 4. Force main discharge elevation: 49.1 ft.

Force main diameter: 3 in. inside dia.  
 Force main material (PVC, DI, etc.): PVC SCH40

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: 

480V	480V	240V	208V
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 Power Supply: 

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

No	Yes	No
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# 1.04 DESIGN CRITERIA FORM

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

Date: 4/21/2017  
 Project Name: Long Beach Exchange - SW3  
 Information here in provided by: Long Beach, CA  
 Name: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

## DESIGN CRITERIA

Project Site Address: Long Beach, CA  
 CAD site plan available at this time? 

No	Yes	No	N/A
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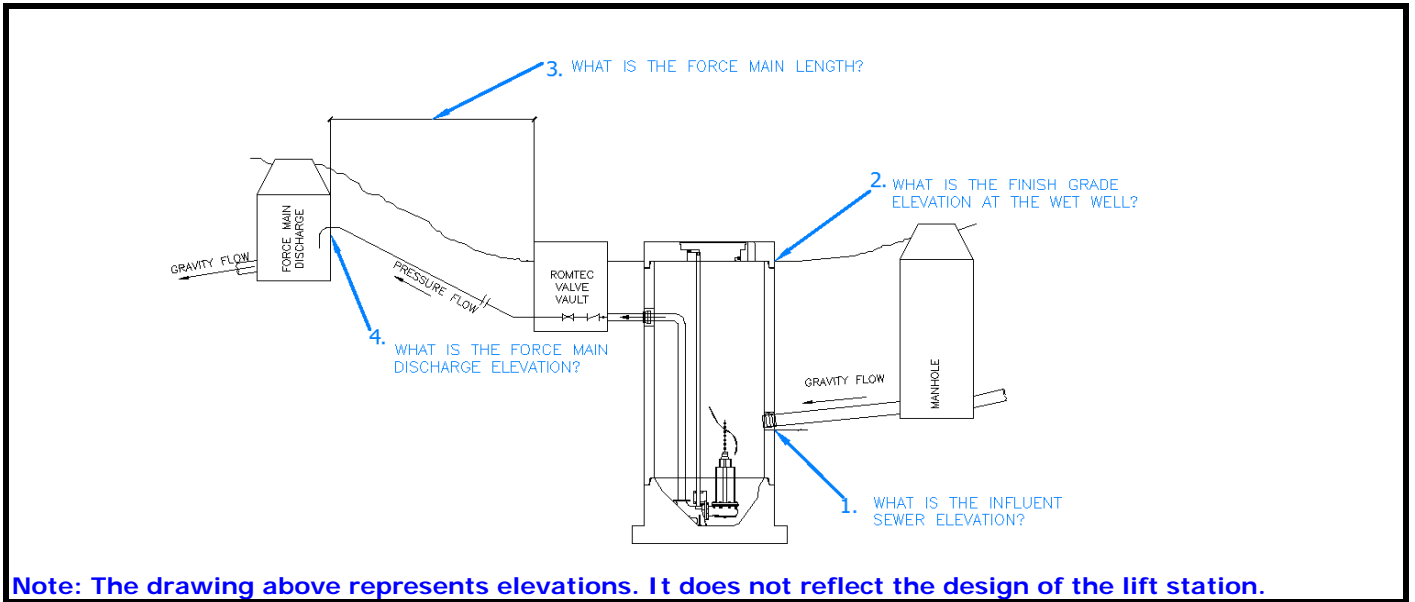
  
 Final Project Owner and/or Operator: \_\_\_\_\_  
 Governing Sewer or Water Authority: \_\_\_\_\_  
 Does Authority have a lift station standard? 

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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 Source of Water: Stormwater  
 Water Type: Stormwater



**Note: The drawing above represents elevations. It does not reflect the design of the lift station.**

Peak design inflow (max flow to lift station): Unknown g.p.m.  
 Pumping Rate: 150 g.p.m. @ 18.7 ft. TDH  
 1. Influent sewer elevation: 42.3 ft.  
 2. Finish grade elevation at wet well: 46.3 ft.  
 3. Force main length: 85 ft.  
 4. Force main discharge elevation: 49.12 ft.  
 Force main diameter: 3 in. inside dia.  
 Force main material (PVC, DI, etc.): PVC SCH40  
 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: 

480V	480V	240V	208V
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 Power Supply: Three-Phase Three-Phase Single-phase  
 Is the lift station a classified space? 

No	Yes	No
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# 1.04 DESIGN CRITERIA FORM

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

Date: 4/21/2017  
 Project Name: Long Beach Exchange - SW4  
 Information here in provided by: Long Beach, CA  
 Name: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

## DESIGN CRITERIA

Project Site Address: Long Beach, CA  
 CAD site plan available at this time? 

No	Yes	No	N/A
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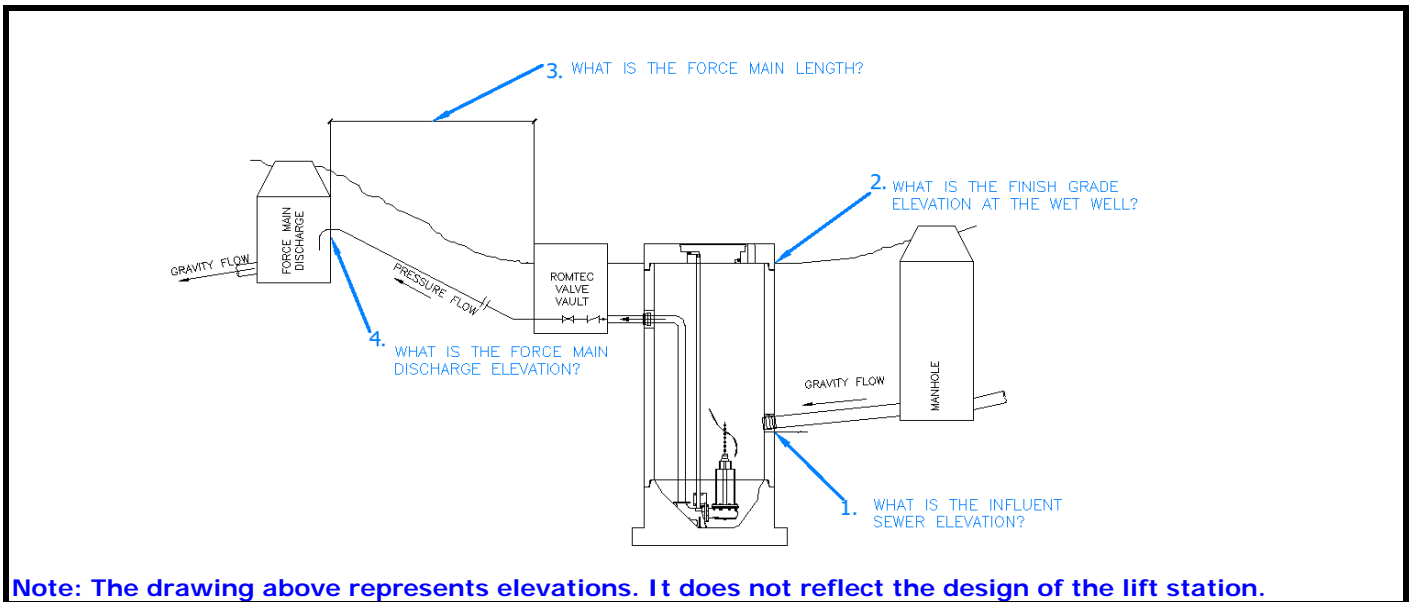
  
 Final Project Owner and/or Operator: \_\_\_\_\_  
 Governing Sewer or Water Authority: \_\_\_\_\_  
 Does Authority have a lift station standard? 

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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 Source of Water: Stormwater  
 Water Type: Stormwater



**Note: The drawing above represents elevations. It does not reflect the design of the lift station.**

Peak design inflow (max flow to lift station): Unknown g.p.m.  
 Pumping Rate: 150 g.p.m. @ 18.7 ft. TDH  
**1.** Influent sewer elevation: 42.3 ft.  
**2.** Finish grade elevation at wet well: 46.3 ft.  
**3.** Force main length: 49 ft.  
**4.** Force main discharge elevation: 49.12 ft.  
 Force main diameter: 3 in. inside dia.  
 Force main material (PVC, DI, etc.): PVC SCH40  
 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: 

480V	480V	240V	208V
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 Power Supply: 

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

No	Yes	No
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# 1.04 DESIGN CRITERIA FORM



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

Date: 4/21/2017  
 Project Name: Long Beach Exchange - SW5  
 Information here in provided by: Long Beach, CA  
 Name: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

## DESIGN CRITERIA

Project Site Address: Long Beach, CA  
 CAD site plan available at this time? 

No	Yes	No	N/A
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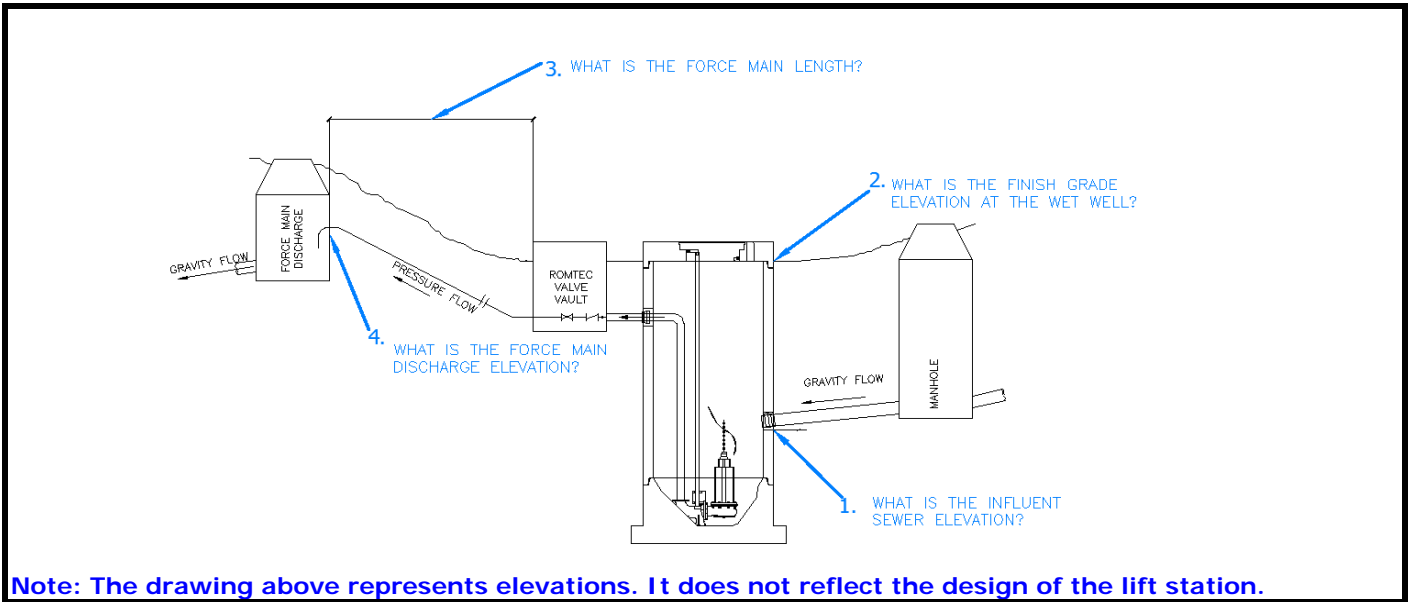
  
 Final Project Owner and/or Operator: \_\_\_\_\_  
 Governing Sewer or Water Authority: \_\_\_\_\_  
 Does Authority have a lift station standard? 

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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 Source of Water: Stormwater  
 Water Type: Stormwater



**Note: The drawing above represents elevations. It does not reflect the design of the lift station.**

Peak design inflow (max flow to lift station): Unknown g.p.m.  
 Pumping Rate: 150 g.p.m. @ 15.9 ft. TDH  
 1. Influent sewer elevation: 37.8 ft.  
 2. Finish grade elevation at wet well: 41.8 ft.  
 3. Force main length: 57 ft.  
 4. Force main discharge elevation: 43.5 ft.  
 Force main diameter: 3 in. inside dia.  
 Force main material (PVC, DI, etc.): PVC SCH40  
 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: 

480V	480V	240V	208V
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 Power Supply: 

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

No	Yes	No
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# 1.04 DESIGN CRITERIA FORM

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

Date: 4/21/2017  
 Project Name: Long Beach Exchange - SW6  
 Information here in provided by: Long Beach, CA  
 Name: \_\_\_\_\_  
 Email Address: \_\_\_\_\_  
 Telephone: \_\_\_\_\_

## DESIGN CRITERIA

Project Site Address: Long Beach, CA  
 CAD site plan available at this time? 

No	Yes	No	N/A
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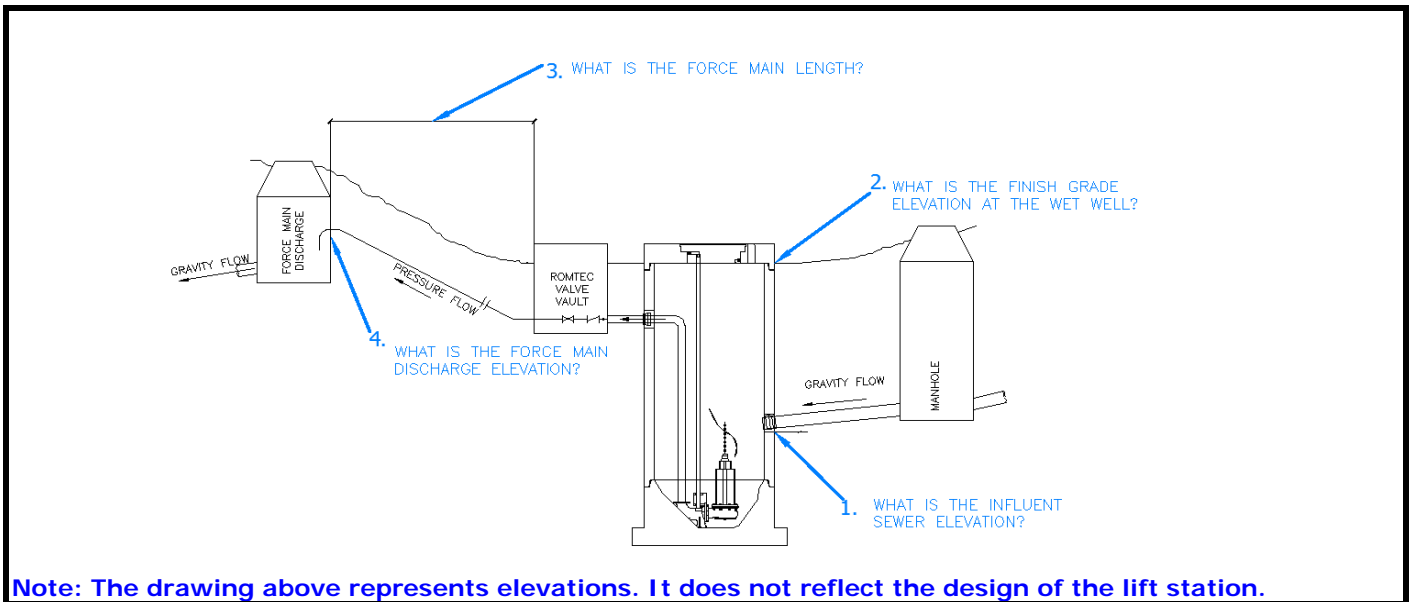
  
 Final Project Owner and/or Operator: \_\_\_\_\_  
 Governing Sewer or Water Authority: \_\_\_\_\_  
 Does Authority have a lift station standard? 

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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 Source of Water: Stormwater  
 Water Type: Stormwater



**Note: The drawing above represents elevations. It does not reflect the design of the lift station.**

Peak design inflow (max flow to lift station): Unknown g.p.m.  
 Pumping Rate: 150 g.p.m. @ 17.3 ft. TDH

1. Influent sewer elevation: 37.72 ft.  
 2. Finish grade elevation at wet well: 41.72 ft.  
 3. Force main length: 60 ft.  
 4. Force main discharge elevation: 37.72 ft.

Force main diameter: 3 in. inside dia.  
 Force main material (PVC, DI, etc.): PVC SCH40

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: 

480V	480V	240V	208V
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 Power Supply: 

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

No	Yes	No
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