

1.04 DESIGN CRITERIA FORM



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

Date: 1/18/2018
 Project Name: Runway 3/21 Pump Station
 Information here in provided by: KPFF Name:
 Email Address: _____
 Telephone: _____

DESIGN CRITERIA

Project Site Address: Portland Airport, Portland, OR
 CAD site plan available at this time?

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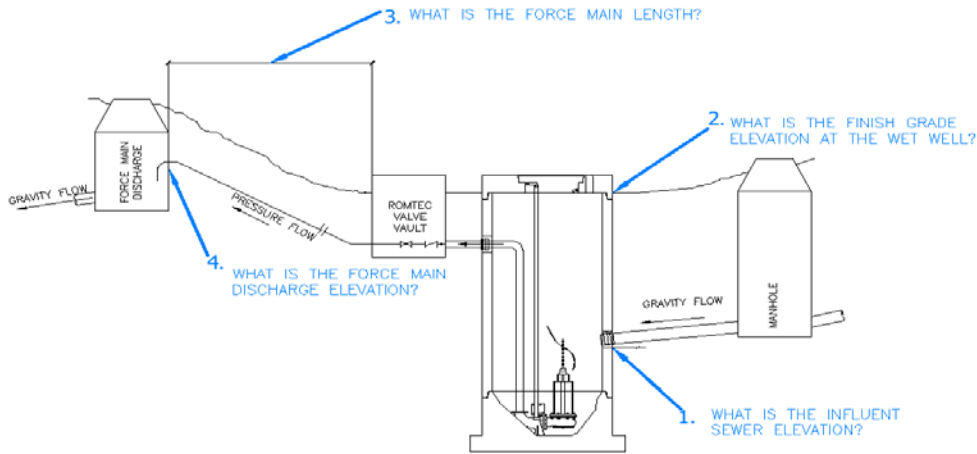
 Final Project Owner and/or Operator: Port of Portland
 Governing Sewer or Water Authority: Port of Portland
 Does Authority have a lift station standard?

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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 Source of Water: Runway Runoff
 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): 18140 g.p.m.
 Pumping Rate: 9030 g.p.m. (Per 50HP pump)
2486 g.p.m. (15HP Jockey Pump)
1. Influent sewer elevation: 0.95 ft.
2. Finish grade elevation at wet well: 11.50 ft.
3. Force main length: 12" FM: 91LF
30" FM: 77LF ft.
4. Force main discharge elevation: 7.30 ft.
30"
12" in. inside dia.
 Force main material (PVC, DI, etc.): PVC
 Force Main is:

<u>New</u>	<u>New</u>	<u>Existing</u>
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 Force Main Discharge (manhole, pressure force main, etc.) Ditch Inlet Structure
 Standby generator:

<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 the lift station a classified space?

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