5.02 LIFT STATION DESIGN CRITERIA

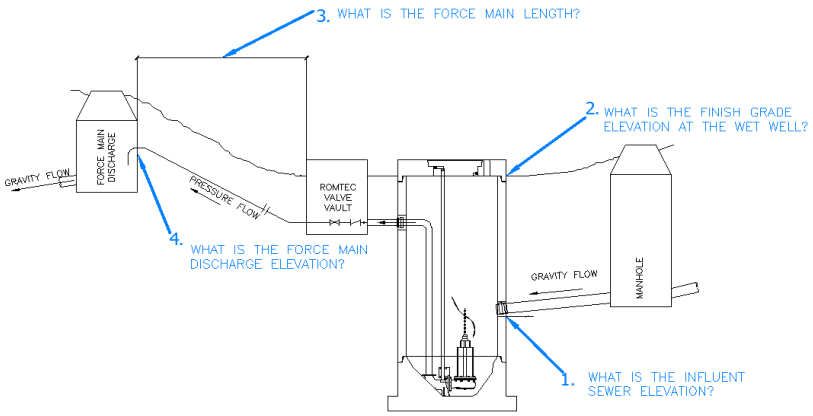
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	4/12/2016			
Project Name:	Port of Vancouver			
Information here in provided by:	KPFF			
Name:				
Email Address:				
Telephone:		Phone Ext:		
Project Site Address:	Vancouver, WA			
ACAD site plan drawing available at this time?	Yes	Yes	No	N/A
Final Project Owner and/or Operator:	Port of Vancouver			
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:	Wastewater			
	Peak design inflow (max flow to lift station):	26 g.p.m.			
	Pumping Rate:	100 g.p.m. **(GREATER THAN PEAK INFLOW)**			
1.	Influent sewer elevation:	25.04 ft.			
2.	Finish grade elevation at wet well:	29.28 ft.			
3.	Force main length:	Existing- 1200 ft. New- 527 Ft.			
4.	Force main discharge elevation:	29 ft.			
	Force main diameter:	4 in. inside dia.			
	Force main material (PVC, DI, etc.):	C900 CL150 DR18			
	Force Main Discharge (manhole, pressure force main, etc.)	?			
	Standby generator (BY OTHERS):	N/A	Permanent	Portable	N/A
	Generator fuel:		Diesel	Natural Gas	
	Power Supply:	208V	480V	240V	208V
	Power Supply:	Three-Phase	Three-Phase	Single-phase	
	Is lift station a classified space?	Yes	Yes	No	