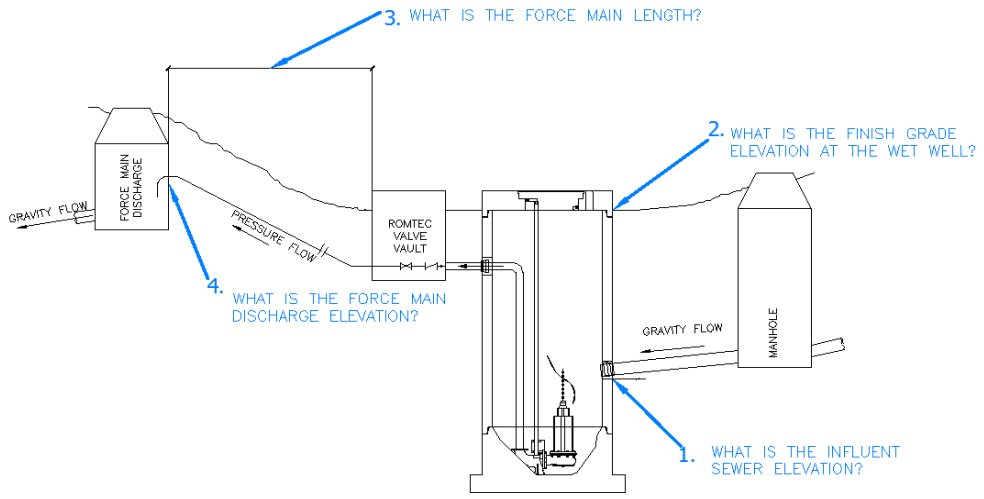
1.04 DESIGN CRITERIA FORM

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

Date:	3/31/2017
Project Name:	Washington County PSB - Interior Lift Station
Information here in provided by:	KPFF
Name:	
Email Address:	
Telephone:	

DESIGN CRITERIA

Project Site Address:	Washington County, OR			
CAD site plan available at this time?	N/A	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
Source of Water:				
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):	26 g.p.m.				
Pumping Rate:	26 g.p.m. **(Less than Peak Inflow)**				
1. Influent sewer elevation:	ft.				
2. Finish grade elevation at wet well:	178.3 ft.				
3. Force main length:	50 ft.				
4. Force main discharge elevation:	180.3 ft.				
Force main diameter:	2 in. inside dia.				
Force main material (PVC, DI, etc.):	PVC SCH40				
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:	115V	480V	240V	208V	
Power Supply:	Single-Phase	Three-Phase	Single-phase		
Is the lift station a classified space?	No	Yes	No		

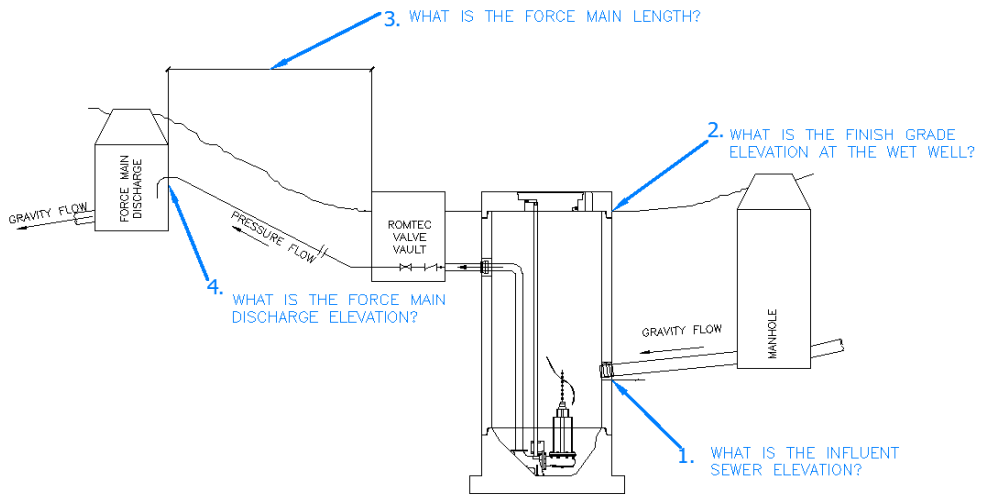
1.04 DESIGN CRITERIA FORM

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

Date:	6/7/2017
Project Name:	Washington County PSB Project – Exterior Lift Station #1
Information here in provided by:	Washington County, OR
Name:	
Email Address:	
Telephone:	

DESIGN CRITERIA

Project Site Address:	Washington County, OR			
CAD site plan available at this time?	No	Yes	No	N/A
Final Project Owner and/or Operator:	Washington County Facilities and Parks			
Governing Sewer or Water Authority:	Washington County Facilities and Parks			
Does Authority have a lift station standard?	No	Yes	No	N/A
Does this project require "Buy America" materials?	No	Yes	No	N/A
Source of Water:	Groundwater and surface water			
Water Type:	Groundwater			



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

Peak design inflow (max flow to lift station):	48	g.p.m.			
Pumping Rate:	52	g.p.m. @ 19.9 ft. TDH (GREATER THAN PEAK INFLOW)			
1. Influent sewer elevation:	173.46	ft.			
2. Finish grade elevation at wet well:	178.06	ft.			
3. Force main length:	41	ft.			
4. Force main discharge elevation:	186.27	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:	480V	480V	240V	208V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is the lift station a classified space?	No	Yes	No		

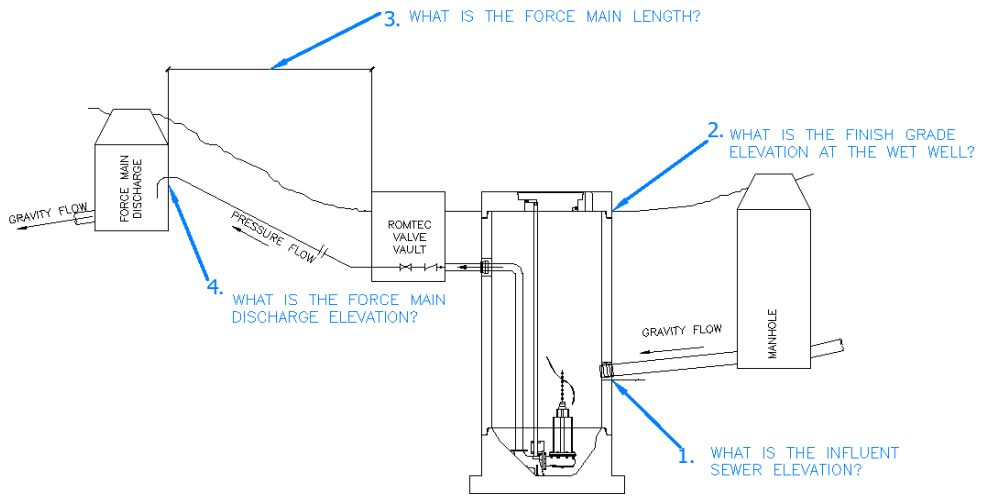
1.04 DESIGN CRITERIA FORM

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

Date:	6/7/2017
Project Name:	Washington County PSB Project – Exterior Lift Station #2
Information here in provided by:	Washington County, OR
Name:	
Email Address:	
Telephone:	

DESIGN CRITERIA

Project Site Address:	Washington County, OR			
CAD site plan available at this time?	No	Yes	No	N/A
Final Project Owner and/or Operator:	Washington County Facilities and Parks			
Governing Sewer or Water Authority:	Washington County Facilities and Parks			
Does Authority have a lift station standard?	No	Yes	No	N/A
Does this project require "Buy America" materials?	No	Yes	No	N/A
Source of Water:	Groundwater and surface water			
Water Type:	Groundwater			



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

Peak design inflow (max flow to lift station):	50 g.p.m.				
Pumping Rate:	50 g.p.m. @ 20.2 ft. TDH				
1. Influent sewer elevation:	173.46 ft.				
2. Finish grade elevation at wet well:	178.06 ft.				
3. Force main length:	105 ft.				
4. Force main discharge elevation:	186.27 ft.				
Force main diameter:	2.5 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:	480V	480V	240V	208V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is the lift station a classified space?	No	Yes	No		

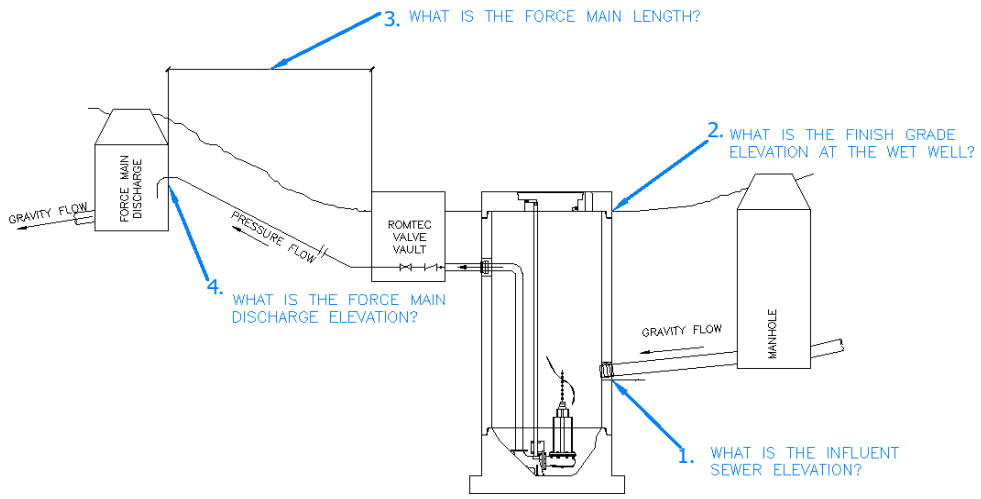
1.04 DESIGN CRITERIA FORM

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

Date:	6/7/2017
Project Name:	Washington County PSB Project – Exterior Lift Station #3
Information here in provided by:	Washington County, OR
Name:	
Email Address:	
Telephone:	

DESIGN CRITERIA

Project Site Address:	Washington County, OR			
CAD site plan available at this time?	No	Yes	No	N/A
Final Project Owner and/or Operator:	Washington County Facilities and Parks			
Governing Sewer or Water Authority:	Washington County Facilities and Parks			
Does Authority have a lift station standard?	No	Yes	No	N/A
Does this project require "Buy America" materials?	No	Yes	No	N/A
Source of Water:	Groundwater and surface water			
Water Type:	Groundwater			



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

Peak design inflow (max flow to lift station):	42 g.p.m.				
Pumping Rate:	49 g.p.m. @ 20.1 ft. TDH (GREATER THAN PEAK INFLOW)				
1. Influent sewer elevation:	173.46 ft.				
2. Finish grade elevation at wet well:	178.02 ft.				
3. Force main length:	36 ft.				
4. Force main discharge elevation:	186.61 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:	480V	480V	240V	208V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is the lift station a classified space?	No	Yes	No		

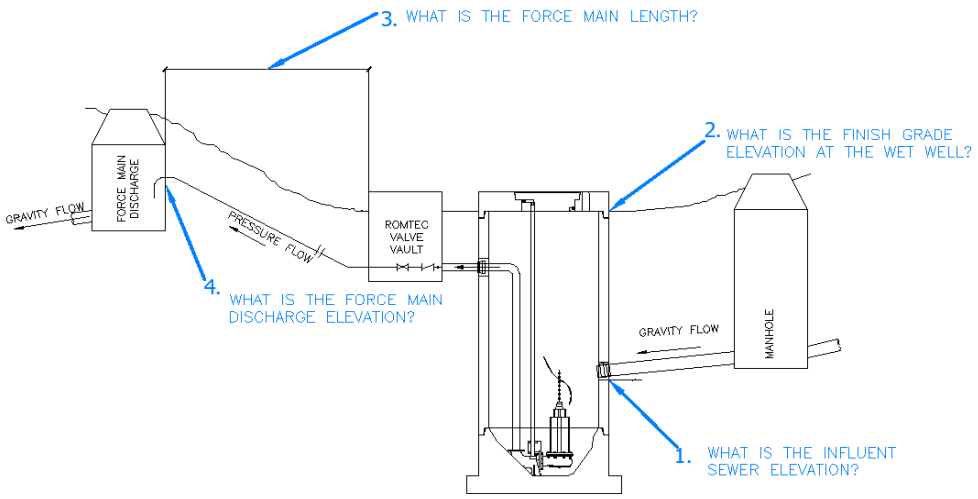
1.04 DESIGN CRITERIA FORM

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

Date:	6/7/2017
Project Name:	Washington County PSB Project – Exterior Lift Station #4
Information here in provided by:	Washington County, OR
Name:	
Email Address:	
Telephone:	

DESIGN CRITERIA

Project Site Address:	Washington County, OR			
CAD site plan available at this time?	No	Yes	No	N/A
Final Project Owner and/or Operator:	Washington County Facilities and Parks			
Governing Sewer or Water Authority:	Washington County Facilities and Parks			
Does Authority have a lift station standard?	No	Yes	No	N/A
Does this project require "Buy America" materials?	No	Yes	No	N/A
Source of Water:	Groundwater and surface water			
Water Type:	Groundwater			



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

Peak design inflow (max flow to lift station):	34	g.p.m.			
Pumping Rate:	47	g.p.m. @ 19.6 ft. TDH (GREATER THAN PEAK INFLOW)			
1. Influent sewer elevation:	173.46	ft.			
2. Finish grade elevation at wet well:	178.06	ft.			
3. Force main length:	35	ft.			
4. Force main discharge elevation:	186.56	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:	480V	480V	240V	208V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is the lift station a classified space?	No	Yes	No		