5.02 LIFT STATION DESIGN CRITERIA

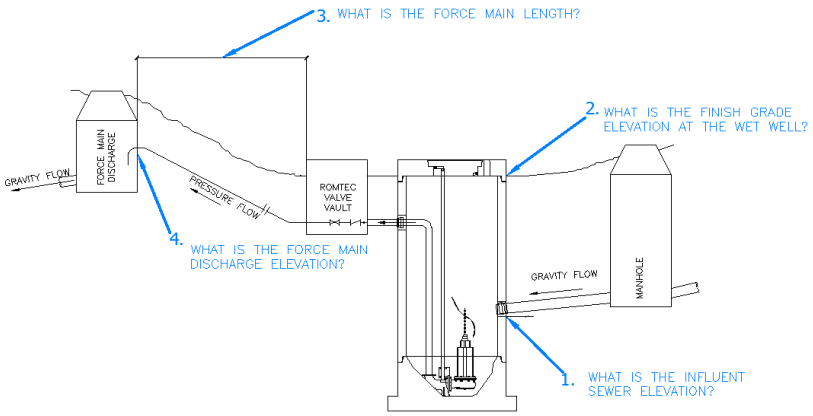
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	9/19/2016			
Project Name:	Clear Creek Pump Station #1			
Information here in provided by:				
Name:				
Email Address:				
Telephone:	Phone Ext:			
Project Site Address:	Douglas County, NV			
ACAD site plan drawing available at this time?	Yes	Yes	No	N/A
Final Project Owner and/or Operator:	Douglas County, NV			
Governing Sewer or Water Authority:	Douglas County, NV			
Does Authority have a lift station standard?	Yes	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:	Development			
	Water Type:	Wastewater			
	Peak design inflow (max flow to lift station):	88 g.p.m.			
	Pumping Rate:	103 g.p.m. **GREATER THAN PEAK DESIGN INFLOW**			
1.	Influent sewer elevation:	5554 ft.			
2.	Finish grade elevation at wet well:	5560.1 ft.			
3.	Force main length:	3463 ft.			
4.	Force main discharge elevation:	5739.4 ft. (High point = 5747.48')			
	Force main diameter:	4 in. inside dia.			
	Force main material (PVC, DI, etc.):	HDPE SDR11			
	Force Main is:	New	New	Existing	
	Force Main Discharge (manhole, pressure force main, etc.)	?			
	Standby generator (BY OTHERS):	Permanent	Permanent	Portable	N/A
	Generator fuel:	Diesel	Diesel	Natural Gas	
	Power Supply:	480V	480V	240V	208V
	Power Supply:	Three-Phase	Three-Phase	Single-phase	
	Is lift station a classified space?	Yes	Yes	No	

5.02 LIFT STATION DESIGN CRITERIA

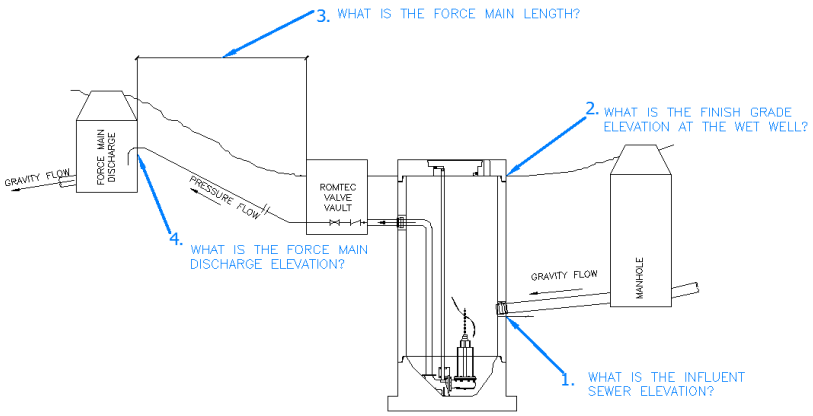
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	10/18/2016			
Project Name:	Clear Creek Pump Station #4			
Information here in provided by:				
Name:				
Email Address:				
Telephone:	Phone Ext:			
Project Site Address:	Douglas County, NV			
ACAD site plan drawing available at this time?	Yes	Yes	No	N/A
Final Project Owner and/or Operator:	Douglas County, NV			
Governing Sewer or Water Authority:	Douglas County, NV			
Does Authority have a lift station standard?	Yes	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:	Development				
Water Type:	Wastewater				
Peak design inflow (max flow to lift station):	160 g.p.m.				
Pumping Rate:	160 g.p.m.				
1. Influent sewer elevation:	5541 ft.				
2. Finish grade elevation at wet well:	5549 ft.				
3. Force main length:	3586 ft.				
4. Force main discharge elevation:	5676.97 ft.				
Force main diameter:	4 in. inside dia.				
Force main material (PVC, DI, etc.):	HDPE DR13.5				
Force Main is:	New	New	Existing		
Force Main Discharge (manhole, pressure force main, etc.)	?				
Standby generator (BY OTHERS):	Permanent	Permanent	Portable	N/A	
Generator fuel:	Diesel	Diesel	Natural Gas		
Power Supply:	480V	480V	240V	208V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is lift station a classified space?	Yes	Yes	No		