5.02 LIFT STATION DESIGN CRITERIA

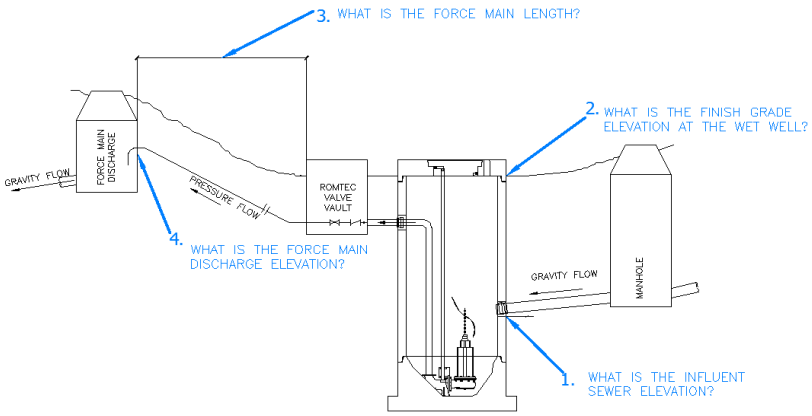
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	6/16/2016			
Project Name:	Middletown Energy Center – HRSG Blowdown			
Information here in provided by:	Gemma Power			
Name:				
Email Address:				
Telephone:		Phone Ext:		
Project Site Address:	Middletown, OH			
ACAD site plan drawing available at this time?	No	Yes	No	N/A
Final Project Owner and/or Operator:	Gemma Power			
Governing Sewer or Water Authority:	Gemma Power			
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:	Power Plant				
Water Type:	Blowdown - Hot Water (140 degrees max)				
Peak design inflow (max flow to lift station):	480 g.p.m. @ 35 ft. TDH				
Pumping Rate:	480 g.p.m.				
1. Influent sewer elevation:	? ft.				
2. Finish grade elevation at wet well:	? ft.				
3. Force main length:	? ft.				
4. Force main discharge elevation:	? ft.				
Force main diameter:	? in. inside dia.				
Force main material (PVC, DI, etc.):	?				
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	120V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is lift station a classified space?	No	Yes	No		

5.02 LIFT STATION DESIGN CRITERIA

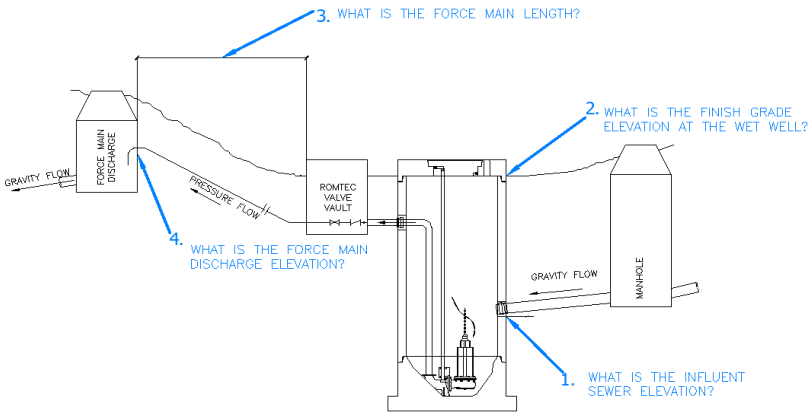
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

PART 1: PROJECT CONTACT INFORMATION

Date:	6/16/2016			
Project Name:	Middletown Energy Center – Process Wastewater			
Information here in provided by:	Gemma Power			
Name:				
Email Address:				
Telephone:		Phone Ext:		
Project Site Address:	Middletown, OH			
ACAD site plan drawing available at this time?	No	Yes	No	N/A
Final Project Owner and/or Operator:	Gemma Power			
Governing Sewer or Water Authority:	Gemma Power			
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:	Power Plant				
Water Type:	Process Water - Hot Water (120 degrees max)				
Peak design inflow (max flow to lift station):	850 g.p.m. @ 25 ft. TDH				
Pumping Rate:	850 g.p.m.				
1. Influent sewer elevation:	? ft.				
2. Finish grade elevation at wet well:	? ft.				
3. Force main length:	? ft.				
4. Force main discharge elevation:	? ft.				
Force main diameter:	? in. inside dia.				
Force main material (PVC, DI, etc.):	?				
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	120V	
Power Supply:	Three-Phase	Three-Phase	Single-phase		
Is lift station a classified space?	No	Yes	No		