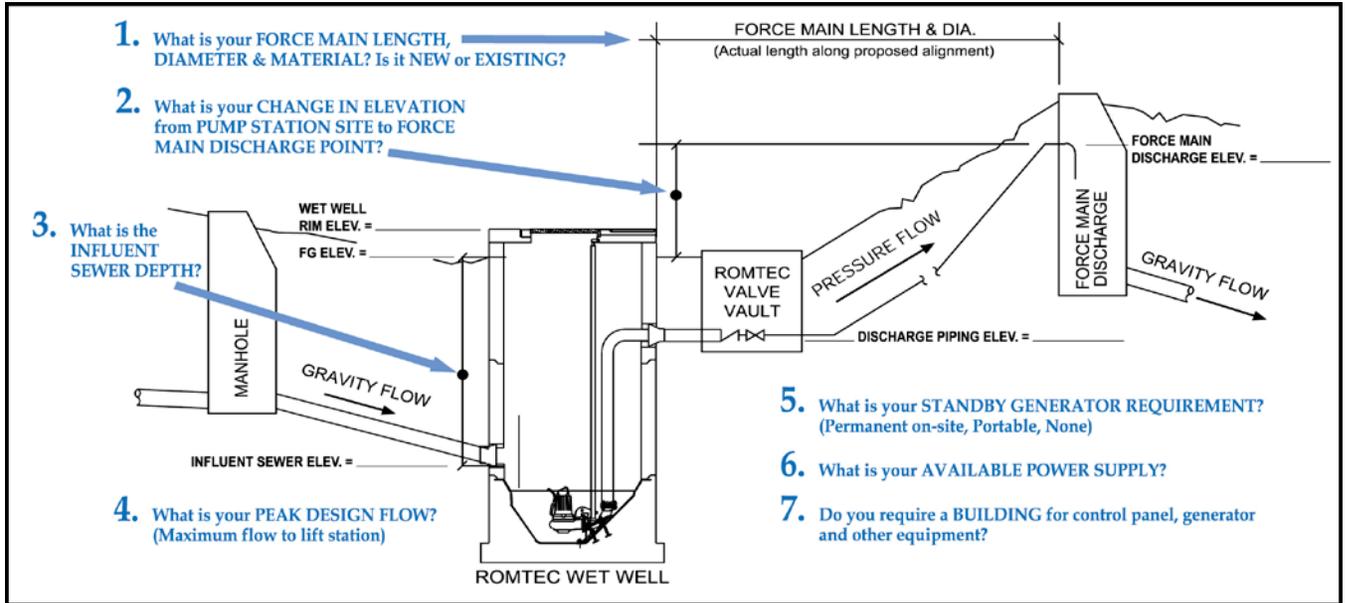


5.02 LIFT STATION DESIGN CRITERIA FORM

PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length: 393 ft. (actual length along proposed alignment)

Force main diameter (inside): 4.23 in. inside dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.): PVC CL150

Force Main is:

New	<u>New</u>	<u>Existing</u>
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Source of Water: ?

2. Elevation change from lift station site to force main discharge point: -12.62 ft.

Finish grade elevation at wet well: 172.5 ft.

Final discharge piping elevation out of Meter Vault: 168.1 ft.

Force main discharge elevation: 159.88 ft.

3. Inlet sewer elevation: 162.04 ft.

4. Peak design inflow (maximum flow to lift station): 74 gpm

5. Is this lift station considered a classified space?

No	<u>Yes</u>	<u>No</u>
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6. Standby generator requirement:

Permanent	<u>Permanent</u>	<u>Portable</u>	<u>None</u>	<u>Don't Know</u>
Diesel	<u>Diesel</u>	<u>Natural Gas</u>	<u>Propane</u>	

Standby generator fuel:

208V	<u>208V</u>	<u>240V</u>	<u>480V</u>
3-phase	<u>Single-phase</u>	<u>3-phase</u>	

7. Available power supply:

208V	<u>208V</u>	<u>240V</u>	<u>480V</u>
3-phase	<u>Single-phase</u>	<u>3-phase</u>	

Additional loads on site (besides the lift station) to be powered by generator: _____ KVA