

PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length: 700 ft. (actual length along proposed alignment)

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

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

Force Main is:

<input checked="" type="checkbox"/>	<u>New</u>	<input type="checkbox"/>	<u>Existing</u>
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2. Elevation change from lift station site to force main discharge point: 16 ft.

Finish grade elevation at wet well: 100 ft.

Discharge piping elevation at valve vault: 96 ft.

Force main discharge elevation: 116 ft.

3. Influent sewer elevation: 95 ft.

4. Peak design flow (maximum flow to lift station): 562 g.p.m. - both pumps running

5. Standby generator requirement:

<input checked="" type="checkbox"/>	<u>None</u>	<input type="checkbox"/>	<u>Permanent</u>	<input type="checkbox"/>	<u>Portable</u>	<input type="checkbox"/>	<u>None</u>	<input type="checkbox"/>	<u>Don't Know</u>
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Standby generator fuel:

<input checked="" type="checkbox"/>	<u>Diesel</u>	<input type="checkbox"/>	<u>Natural Gas</u>	<input type="checkbox"/>	<u>Propane</u>
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6. Available power supply:

<input checked="" type="checkbox"/>	<u>480V</u>	<input type="checkbox"/>	<u>208V</u>	<input type="checkbox"/>	<u>240V</u>	<input type="checkbox"/>	<u>480V</u>
<input checked="" type="checkbox"/>	<u>3-phase</u>	<input type="checkbox"/>	<u>Single-phase</u>	<input type="checkbox"/>	<u>3-phase</u>		

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

7. Electrical controls weather protection:

<input checked="" type="checkbox"/>	<u>None</u>	<input type="checkbox"/>	<u>Enclosed Building</u>	<input type="checkbox"/>	<u>Shelter Structure</u>	<input type="checkbox"/>	<u>None</u>
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Weather protection structure is for:

<input checked="" type="checkbox"/>	<u>SELECT ONE</u>	<input type="checkbox"/>	<u>Electrical Controls Only</u>
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Electrical Controls & Generator

Controls, Generator, Chemical Feed