

PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length: 3060 ft. (actual length along proposed alignment)

Force main diameter (inside): 5.85 in. inside dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.): ASTM D-2241 CL200

Force Main is: New New Existing

2. Elevation change from lift station site to force main discharge point: 51 ft.

Finish grade elevation at wet well: 330 ft.

Discharge piping elevation at valve vault: 324.4 ft.

Force main discharge elevation: 381 ft.

3. Influent sewer elevation: 2 @ 319.46 ft.

4. Peak design flow (maximum flow to lift station): 231@88 TDH g.p.m. -current 415gpm@117 future

5. Standby generator requirement: Permanent Permanent Portable None Don't Know

Standby generator fuel: Diesel Diesel Natural Gas Propane

6. Available power supply: 480V 208V 240V 480V

3-phase Single-phase 3-phase

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

7. Electrical controls weather protection: Shelter Structure Enclosed Building Shelter Structure None

Weather protection structure is for: Electrical Controls Only Electrical Controls Only

Electrical Controls & Generator

Controls, Generator, Chemical Feed