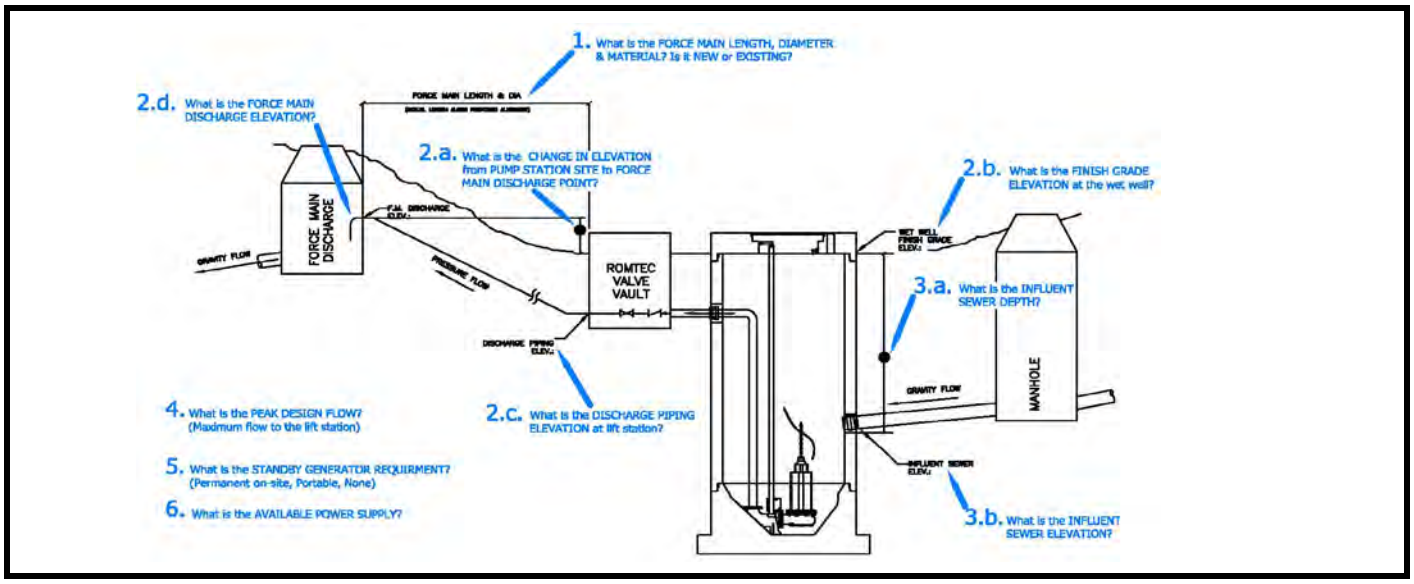
5.02 LIFT STATION DESIGN CRITERIA FORM

PART 2: DESIGN DATA



1. Force main length: 510 ft. (actual length along proposed alignment)

Force main diameter (inside): 4 in. inside dia.

Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.): HDPE DR-7

Force Main is: **New** | New | Existing

Force Main Discharge (i.e., manhole to gravity sewer, pressure force main, storage tank, etc.): Gravity manhole

Source of Water: Main pumping station building

2.a Elevation change from lift station site to force main discharge point: 5 ft.

2.b Finish grade elevation at wet well: 185 ft.

2.c Discharge piping elevation at lift station: 182 ft.

2.d Force main discharge elevation: 190 ft.

3.a Influent sewer depth: 5 ft.

3.b Influent sewer elevation: 180 ft.

4. Peak design inflow (maximum flow to lift station): 30 g.p.m. @ 30 ft TDH

Pumping Rate: 30 g.p.m.

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

Standby generator fuel: **[ ]** | Diesel | Natural Gas | Propane

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

3-phase | Single-phase | 3-phase

Is this lift station considered a classified space? **No** | Yes | No