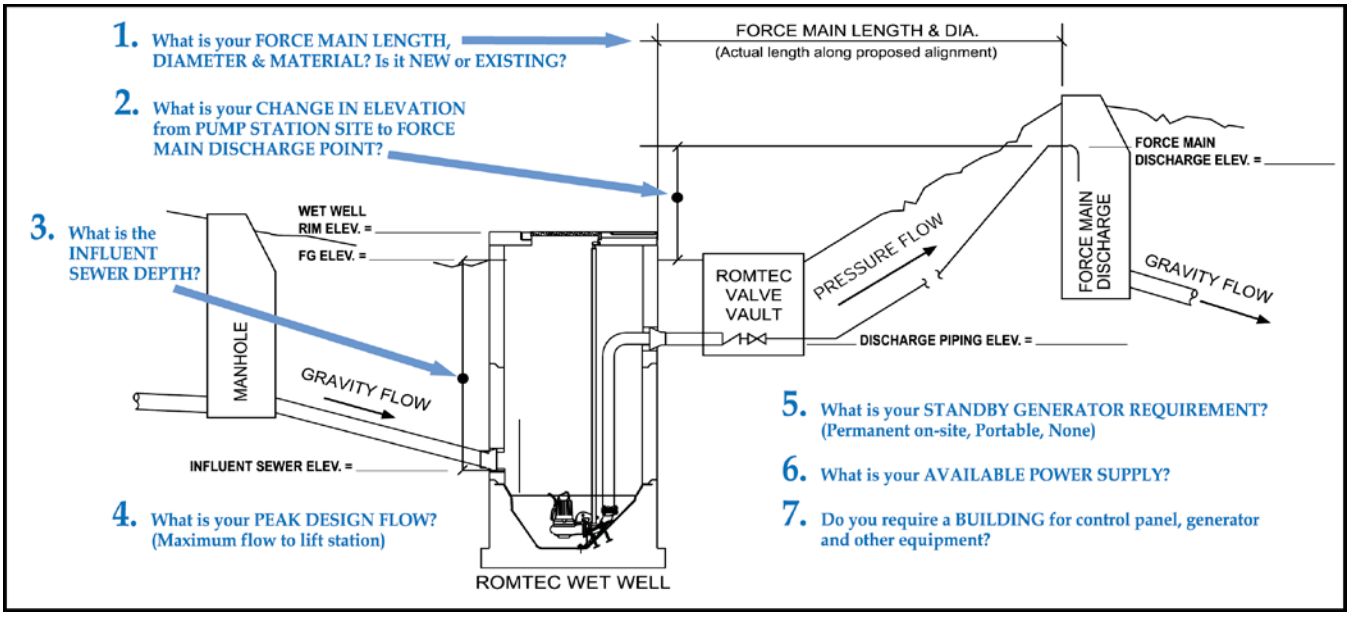
4.02 LIFT STATION DESIGN CRITERIA FORM

PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



1. Force main length: 150 ft. (actual length along proposed alignment)

Force main diameter (inside): 6 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: **Existing** New Existing

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

Finish grade elevation at wet well: 5169.1 ft.

Discharge piping elevation at valve vault: 5164.3 ft.

Force main discharge elevation: _____ ft.

3. Influent sewer elevation: 5159.55 ft.

4. Peak design inflow (maximum flow to lift station): 270 g.p.m. @ 36 ft TDH

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

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