

## PART 2: DESIGN DATA

If using assumed elevations, note this in Additional Information.



<b>1.</b> Force main length:	<u>1746</u> ft. (actual length along proposed alignment)				
Force main diameter (inside):	<u>4</u> in. inside dia.				
Force main material (i.e., PVC C-900 class 150, ductile iron class 52, HDPE DR17 class 100, etc.):	<u>C900 CL150 PVC</u>				
Force Main is:	<input checked="" type="checkbox"/> <u>New</u>	<input type="checkbox"/> <u>New</u>	<input type="checkbox"/> <u>Existing</u>		
<b>2.</b> Elevation change from lift station site to force main discharge point:	<u>6.4</u> ft.				
Finish grade elevation at wet well:	<u>58.5</u> ft.				
Discharge piping elevation at valve vault:	<u>53.17</u> ft.				
Force main discharge elevation:	<u>64.36</u> ft.				
<b>3.</b> Influent sewer elevation:	<u>38.4</u> ft.				
<b>4.</b> Peak design flow (maximum flow to lift station):	<u>171.5</u> g.p.m. <b>93.3 TDH</b>				
<b>5.</b> Standby generator requirement: (BY OTHERS)	<input checked="" type="checkbox"/> <u>Permanent</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>
Standby generator fuel:	<input checked="" type="checkbox"/> <u>Diesel</u>	<input type="checkbox"/> <u>Diesel</u>	<input type="checkbox"/> <u>Natural Gas</u>	<input type="checkbox"/> <u>Propane</u>	
<b>6.</b> 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:	<u>                    </u> KVA				
<b>7.</b> 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>	
Weather protection structure is for:	<input checked="" type="checkbox"/> <u>Electrical Controls Only</u>	<input type="checkbox"/> <u>Electrical Controls Only</u>			

**NOTE: The generator and control structure is by others not Romtec Utilite;** Electrical Controls & Generator Controls, Generator, Chemical Feed