The Point 717

PRESSURE MANIFOLD SYSTEM
DESIGN SPECIFICATIONS

Drainfield Design Flow (gpd):	480
Loading/Soil Application Rate (gpd/ft.^{2}):	0.25
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Total Lateral Length From Layout:	480
Total Lateral Length Required:	480
Trench Depth:	36 in.
Trench Width:	36 in.
Trench Bottom Area:	1440
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	1400
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	537.60
Dosing Volume:	219.41
Pump Tank Draw Down:	10.4
Supply Manifold Size:	4 in. SCH 80 PVC
Supply Manifold Length:	4 ft. (minimum)
Supply Manifold Volume:	N/A
Recommended Dosing Controls:	Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	NEMA 4X Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	3.64
Elevation Head:	41.69
Total Dynamic Head:	56.80
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by Adrian L. Pruett, LSS

**Pump tank draw down based on an industry standard volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*