CALCULATIONS

Location Carlyle Road

Lot No: Unknown

No. of Bedrooms	3
Design Flow	360 $^{gal}/_{day}$
LTAR	0.3 $^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES
Supply Line Length	110 ft.
Supply Line Volume	19.14 gal.
Required Feet of Line	200.00 ft.
Amount of Line from Layout	200 ft.
Gallons per Minute	18.45 $^{gal}/_{min}$
	Note: Flow/hole (.41gpm) x # of panels
Required Septic Tank Capacity	1000 gal.
Minimum Standard Tank Size	1000
Panel Volume	3.6 gal.
# of Panels	45
Dosing Volume	109 gal.
	Note: Dosing Volume based on 67% of # of panels times 3.6 gal/panel
Tank Draw Down	5.2 *Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.88 minutes
Elevation Head	13 ft.
Pressure Head	2 ft.
Friction Factor	0.84 ft./100 ft. *(From the interpolater.)*
Friction Head	0.92 ft.
Total Dynamic Head (+15%)	18.31 ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	f
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42