CALCULATIONS

Location - POINT

Project Number 01-1519

Lot No: Lot 1799

No. of Bedrooms	5
Design Flow	600 $^{gal}/_{day}$
LTAR	0.25 $^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES
Supply Line Length	300 ft.
Supply Line Volume	52.2 gal.
Required Feet of Line	600 ft.
Amount of Line from Layout	602 ft.
Gallons per Minute	49.77 $^{gal}/_{min}$
Required Septic Tank Capacity	1500 gal.
Minimum Standard Tank Size	1500 gal.
Lateral Line Volume	393.106 gal.
Dosing Volume	275.17 gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	8.9 *Generic Draw Down of 31 gal.per in.*
Pump Run Time	5.53 minutes
Elevation Head	12.9 ft.
Pressure Head	2 ft.
Friction Factor	3.48 ft./100 ft. *(From the interpolater.)*
Friction Head	10.44 ft.
Total Dynamic Head (+15%)	29.14 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