CALCULATIONS

Location Carlyle Road

Project Number 5-1653

Lot No: 35

No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.3	$^{gal}/_{ft^2\ day}$
EZ-Lay? (YES OR NO)	yes	
Supply Line Length	71	ft.
Supply Line Volume	12.354	gal.
Required Feet of Line	300	ft.
Amount of Line from Layout	335	ft.
Gallons per Minute	37.41	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	218.755	gal.
Dosing Volume	153.13	gal.

Note: Dosing Volume based on 70% of the lateral line volume.

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
37.41	2.69
40	3.03
40.67	3.13
45	3.77
48.14	4.28
50	4.58
57.11	5.89
58.47	6.14
60	6.42

Tank Draw Down	7.3	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	4.09	minutes
Estimated Elevation Head	13.7	ft.
Pressure Head	2	ft.
Friction Factor	2.69	ft./100 ft. *(From the interpolater.)*
Friction Head	1.91	ft.
Total Dynamic Head (+15%)	20.25	ft.