CALCULATIONS

Location WINDING FOREST

Project Number 01-1152

Lot No: Lot 38

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.25	$^{gal}/_{ft^2\ day}$
50% RED.? (YES OR NO)	YES	
Supply Line Length	25	ft.
Supply Line Volume	4.35	gal.
Required Feet of Line	320	ft.
Amount of Line from Layout	320	ft.
Gallons per Minute NA		$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	208.96	gal.
Dosing Volume NA		gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down NA		*Generic Draw Down of 21 gal.per in.*
Pump Run Time NA		minutes
Elevation Head NA		ft.
Pressure Head NA		ft.
Friction Factor NA		ft./100 ft. *(From the interpolater.)*
Friction Head NA		ft.
Total Dynamic Head (+15%) NA		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