CALCULATIONS

Location WALDED RIDGE SUBDIVISION

Project Number 01-1069

Lot No: Lot 13

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	.25 gpd/ft²	
PPBPS? (YES OR NO)	YES	
Supply Line Length	240	ft.
Supply Line Volume	41.76	gal.
Required Feet of Line	320	ft.
Amount of Line from Layout	320	ft.
Gallons per Minute	28.44	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	208.96	gal.
Dosing Volume	146.27	gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	7.0	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.14	minutes
Elevation Head	18.7	ft.
Pressure Head	2	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	4.27	ft.
Total Dynamic Head (+15%)	28.72	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