CALCULATIONS

Location : LAKEWOOD CROSSING SUBDIVISION

Lot No: Lot 23

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.3	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	190	ft.
Supply Line Volume	33.06	gal.
Required Feet of Line	267	ft.
Amount of Line from Layout	270	ft.
Gallons per Minute	32.88	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Panel Volume	3.6	gal.
# of Panels	62	
Dosing Volume	180.00	gal.

Note: Dosing Volume based on # of panels times 3.6 gal/panel

Tank Draw Down	8.6	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.47	minutes
Elevation Head	17.25	ft.
Pressure Head	2	ft.
Friction Factor	2.37	ft./100 ft. *(From the interpolater.)*
Friction Head	4.50	ft.
Total Dynamic Head (+15%)	27.32	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