CALCULATIONS

Location Roseland Heights

Project Number 01-1373

Lot No: Lot 58

No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.400	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	320	ft.
Supply Line Volume	55.68	gal.
Required Feet of Line	150	ft.
Amount of Line from Layout	150	ft.
Gallons per Minute	13.94	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Panel Volume	3.6	gal.
# of Panels	34	
Dosing Volume	82.01	gal.

Note: Dosing Volume based on 67% of # of panels times 3.6 gal/panel

Tank Draw Down	3.9	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.88	minutes
Elevation Head	3.5	ft.
Pressure Head	2	ft.
Friction Factor	0.84	ft./100 ft. *(From the interpolater.)*
Friction Head	2.69	ft.
Total Dynamic Head (+15%)	9.42	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