CALCULATIONS

Location Anniston Subdivision

Project Number 01-1005

Lot No: Lot 69

No. of Bedrooms	5	
Design Flow	600	$^{gal}/_{day}$
LTAR	0.3	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	752	ft.
Supply Line Volume	130.848	gal.
Required Feet of Line	333.33	ft.
Amount of Line from Layout	360	ft.
Gallons per Minute	34.44	$^{gal}/_{min}$
	Note: Flow/hole (.41gpm) x # of panels	
Required Septic Tank Capacity	1500	gal.
Minimum Standard Tank Size	1500 gal.	
Panel Volume	3.6	gal.
# of Panels	84	
Dosing Volume	203	gal.
	Note: Dosing Volume based on 67% of # of panels times 3.6 gal/panel	
Tank Draw Down	6.5	*Generic Draw Down of 31 gal.per in.*
Pump Run Time	5.88	minutes
Elevation Head	63	ft.
Pressure Head	2	ft.
Friction Factor	2.37	ft./100 ft. *(From the interpolater.)*
Friction Head	17.82	ft.
Total Dynamic Head (+15%)	95.25	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