CALCULATIONS

Location ANNISTON SUBDIVISION

Project Number 01-1005

Lot No: Lot 115

No. of Bedrooms	5
Design Flow	600 $^{gal}/_{day}$
LTAR	0.3 $^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES
Supply Line Length	125 ft.
Supply Line Volume	21.75 gal.
Required Feet of Line	500 ft.
Amount of Line from Layout	500 ft.
Gallons per Minute	28.44 $^{gal}/_{min}$
Required Septic Tank Capacity	1500 gal.
Minimum Standard Tank Size	1500 gal.
Lateral Line Volume	326.5 gal.
Dosing Volume	228.55 gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	7.4 *Generic Draw Down of 31 gal.per in.*
Pump Run Time	8.04 minutes
Elevation Head	12 ft.
Pressure Head	2 ft.
Friction Factor	1.78 ft./100 ft. *(From the interpolater.)*
Friction Head	2.23 ft.
Total Dynamic Head (+15%)	18.66 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