CALCULATIONS

Location ANNISTON SUBDIVISION

Project Number 01-1005

Lot No: Lot 99

No. of Bedrooms	5
Design Flow	600 $^{gal}/_{day}$
LTAR	0.25 $^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES
Supply Line Length	211 ft.
Supply Line Volume	36.714 gal.
Required Feet of Line	600 ft.
Amount of Line from Layout	600 ft.
Gallons per Minute	35.55 $^{gal}/_{min}$
Required Septic Tank Capacity	1500 gal.
Minimum Standard Tank Size	1500 gal.
Lateral Line Volume	391.8 gal.
Dosing Volume	274.26 gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	8.8 *Generic Draw Down of 21 gal.per in.*
Pump Run Time	7.71 minutes
Elevation Head	29 ft.
Pressure Head	2 ft.
Friction Factor	2.37 ft./100 ft. *(From the interpolater.)*
Friction Head	5.00 ft.
Total Dynamic Head (+15%)	41.40 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