CALCULATIONS

Location Anniston Subdivision

Project Number 01-1005

Lot No: 57

No. of Bedrooms 6

Design Flow 600 $^{gal}/_{day}$

LTAR .275 gpd/ft²

25% RED.? (YES OR NO) YES

Supply Line Length 155 ft.

Supply Line Volume 26.97 gal.

Required Feet of Line 545 ft.
Amount of Line from Layout 550 ft.

Gallons per Minute 28.44 $^{gal}/_{min}$

Required Septic Tank Capacity 1250 gal.
Minimum Standard Tank Size 1500 gal.

Lateral Line Volume 359.15 gal.

Dosing Volume 251.41 gal.
Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down 8.7 *Generic Draw Down of 29 gal.per in.*

Pump Run Time 8.84 minutes

Elevation Head 13 ft.
Pressure Head 2 ft.
Friction Factor 1.78 ft./100 ft. *(From the interpolater.)*
Friction Head 2.76 ft.

Total Dynamic Head (+15%) 20.42 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