CALCULATIONS

Location ANNISTON SUBDIVISION

Project Number 01-1005

Lot No: Lot 48

No. of Bedrooms 4

Design Flow 480 $^{gal}/_{day}$

LTAR 0.225 $^{gpd/ft^2}$

25% RED.? (YES OR NO) YES

Supply Line Length 180 ft.

Supply Line Volume 31.32 gal.

Required Feet of Line 533.3333 ft.
Amount of Line from Layout 530 ft.

Gallons per Minute 35.55 $^{gal}/_{min}$

Required Septic Tank Capacity 1000 gal.
Minimum Standard Tank Size 1000

Lateral Line Volume 346.09 gal.

Dosing Volume 242.26 gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down 11.5 *Generic Draw Down of 21 gal.per in.*

Pump Run Time 6.81 minutes

Elevation Head 18.4 ft.
Pressure Head 2 ft.
Friction Factor 3.48 ft./100 ft. *(From the interpolater.)*
Friction Head 6.26 ft.

Total Dynamic Head (+15%) 30.66 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