CALCULATIONS

Location Anniston PH3 Section 2

Project Number 01-1005

Lot No: Lot 108

No. of Bedrooms 5

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

LTAR 0.275 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) YES

Supply Line Length 290 ft.

Supply Line Volume 50.46 gal.

Required Feet of Line 363.6364 ft.
Amount of Line from Layout 390 ft.

Gallons per Minute 36.9 $^{gal}/_{min}$

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

Panel Volume 3.6 gal.
# of Panels 90
Dosing Volume 226.80 gal.

Note: Dosing Volume based on 70% of lateral line volume.

Tank Draw Down 7.3 *Generic Draw Down of 31 gal.per in.*

Pump Run Time 6.15 minutes

Elevation Head 33.4 ft.
Pressure Head 2 ft.
Friction Factor 3.03 ft./100 ft. *(From the interpolater.)*
Friction Head 8.79 ft.

Total Dynamic Head (+15%) 50.82 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