CALCULATIONS

Location Anniston Subdivision

Project Number

Lot No: Lot 74

No. of Bedrooms 5

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

LTAR 0.25 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) YES

Supply Line Length 12 ft.

Supply Line Volume 2.088 gal.

Required Feet of Line 400 ft.
Amount of Line from Layout 414 ft.

Gallons per Minute 38.95 $^{gal}/_{min}$

Note: Flow/hole (.41gpm) x # of panels

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

Panel Volume 3.6 gal.
# of Panels 95
Dosing Volume 229 gal.

Note: Dosing Volume based on 67% of # of panels times 3.6 gal/panel

Tank Draw Down 7.9 *Generic Draw Down of 21 gal.per in.*

Pump Run Time 5.88 minutes

Elevation Head 4 ft.
Pressure Head 2 ft.
Friction Factor 2.37 ft./100 ft. *(From the interpolater.)*
Friction Head 0.28 ft.

Total Dynamic Head (+15%) 7.23 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