CALCULATIONS

Location THE POINT

Project Number 01-1618

Lot No: Lot 1366

No. of Bedrooms 4

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

LTAR 0.250 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) YES

Supply Line Length ft.

Supply Line Volume 0 gal.

Required Feet of Line 320 ft.
Amount of Line from Layout 335 ft.

Gallons per Minute 31.57 $^{gal}/_{min}$

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

Panel Volume 3.6 gal.
# of Panels 77
Dosing Volume 185.72 gal.

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

Tank Draw Down 8.8 *Generic Draw Down of 21 gal.per in.*

Pump Run Time 5.88 minutes

Elevation Head 15.9 ft.
Pressure Head 2 ft.
Friction Factor 2.37 ft./100 ft. *(From the interpolater.)*
Friction Head 0.00 ft.

Total Dynamic Head (+15%) 20.59 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