CALCULATIONS

Location DIRTY MO ACRES

Project Number

Lot No: 3

No. of Bedrooms	2
Design Flow	240 $^{gal}/_{day}$
LTAR EXISTING	$^{gal}/_{ft^2\ day}$
25% RED.? (YES OR NO)	YES
Supply Line Length	82 ft.
Supply Line Volume	31.488 gal.
Required Feet of Line	300 ft.
Amount of Line from Layout	300 ft.
Gallons per Minute	21.33 $^{gal}/_{min}$
Required Septic Tank Capacity	1000 gal.
Minimum Standard Tank Size	1000
Lateral Line Volume	195.9 gal.
Dosing Volume	137.13 gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	6.5 *Generic Draw Down of 21 gal.per in.*
Pump Run Time	6.43 minutes
Elevation Head	6.3 ft.
Pressure Head	2 ft.
Friction Factor	1.27 ft./100 ft. *(From the interpolater.)*
Friction Head	9.57 ft.
Total Dynamic Head (+15%)	11.00 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