CALCULATIONS

Location	Creekwood	
Project Number	5-1097	
Lot No:		
No. of Bedrooms	3	
Design Flow	360.00	$^{gal}/_{day}$
LTAR	0.3	$^{gal}/_{ft^2\ day}$
EZ-Lay? (YES OR NO)	No	
Supply Line Length	260	ft.
Supply Line Volume	45.24	gal.
Required Feet of Line	200	ft.
Amount of Line from Layout	200	ft.
Gallons per Minute	0.00	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	165.6	gal.
Dosing Volume	124.20	gal.

Note: Dosing Volume based on 75% of the lateral line volume.

Tank Draw Down	5.9	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	17.82	minutes
Elevation Head	15.3	ft.
Pressure Head	2	ft.
Friction Factor	**0.86**	**ft./100 ft.** *(From the interpolater.)*
Friction Head	2.24	ft.
Total Dynamic Head (+15%)	22.47	ft.

FRICTION FACTOR
INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
20.2	0.86
25	1.27
26.24	1.40
30	1.78
33.96	2.25
35	2.37
38.53	2.84
40	3.03
	-2.89
45	3.77
	-3.52
50	4.58
	-4.62
60	6.42