CALCULATIONS

Location Wheatfield

Project Number 5-1862

Lot No: 73

No. of Bedrooms	3	
Design Flow	360.00	$^{gal}/_{day}$
Soil LTAR	0.3	$^{gal}/_{ft^2\ day}$
EZ-Lay? (YES OR NO)	No	
Supply Line Length	58	ft.
Supply Line Volume	10.092	gal.
Required Feet of Line	200	ft.
Amount of Line from Layout	220	ft.
Gallons per Minute	20.50	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	17.16	gal.
Dosing Volume	180.00	gal.

Note: Dosing Volume based on 3.6 gal per panel

Tank Draw Down	8.6	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	8.78	minutes
Elevation Head	0	ft.
Pressure Head	2	ft.
Friction Factor	0.84	ft./100 ft. *(From the interpolater.)*
Friction Head	0.49	ft.
Lateral friction	0.604	
Total Dynamic Head (+15%)	3.56	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20.5	0.84
20.5	0.84
25	1.27
26.24	1.40
30	1.78
31.57	1.97
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