CALCULATIONS

Location BRAWLEY SCHOOL ROAD

Project Number 01-1478

Lot No:	N/A
No. of Employees	23
Design Flow	575 $^{gal}/_{day}$
LTAR	0.300 $^{gal}/_{ft^2\,day}$
PPBPS? (YES OR NO)	YES
Supply Line Length	357 ft.
Supply Line Volume	62.118 gal.
Required Feet of Line	319.4444 ft.
Amount of Line from Layout	325 ft.
Gallons per Minute	43.66 $^{gal}/_{min}$
Required Septic Tank Capacity	1500 gal.
Minimum Standard Tank Size	1500 gal.
Panel Volume	3.6 gal.
# of Panels	74
Dosing Volume	226.44 gal.

Note: Dosing Volume based on 85% of # of panels times 3.6 gal/panel

Tank Draw Down	10.8 *Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.19 minutes
Elevation Head	8 ft.
Pressure Head	2 ft.
Friction Factor	3.48 ft./100 ft. *(From the interpolater.)*
Friction Head	12.42 ft.
Total Dynamic Head (+15%)	25.79 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