CALCULATIONS

Location WATERTREE LANDING

Project Number 01-1430

Lot No: Lot 104

No. of LOTS 73

Design Flow 365 $^{gal}/_{day}$

LTAR 0.30 $^{gal}/_{ft^2 day}$

25% RED.? (YES OR NO) YES

Supply Line Length 15 ft.

Supply Line Volume 5.4 gal.

Required Feet of Line 304.1667 ft.
Amount of Line from Layout 330 ft.

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

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

Lateral Line Volume 215.49 gal.

Dosing Volume NA gal.

Note: Dosing Volume based on70% of lateral line volume

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

Pump Run Time NA minutes

Elevation Head NA ft.
Pressure Head NA ft.
Friction Factor NA ft./100 ft. *(From the interpolater.)*
Friction Head NA ft.

Total Dynamic Head (+15%) NA 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