WATERTREE LANDING LOT 58

Project #: 01-1430

LAYOUT FOR 4 BEDROOM HOME

May 18, 2009

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		N/A			N/A		
INSTR. 1			N/A				
HOUSE			N/A	N/A			
TANK			N/A	N/A			
1	RED			N/A	N/A	43	43
2	BLUE			N/A	N/A	60	60
3	ORANGE			N/A	*N/A*	90	90
4	PINK			N/A	N/A	110	110
5	RED			N/A	*N/A*	125	125
6	***BLUE***			***N/A***	***N/A***	***100***	***100***
7	***ORANGE***			***N/A***	***N/A***	***95***	***95***
8	***PINK***			***N/A***	***N/A***	***100***	***100***
9	***DARK PINK***			***N/A***	***N/A***	***105***	***105***
					Total	**828**	**828**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
****System***	***400***	***0.3***	***ACCEPT.***	***0.3***	***25% RED.***	**GRAVITY**
Repair	428	0.3	***ACCEPT.***	0.3	***25% RED.***	**DISTRIBUTION** LOW PRESSURE

Notes:

** TBM is not needed

**All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**BS, HI, and FS indicate rod readings

CALCULATIONS

Location WATERTREE LANDING

Project Number 01-1430

Lot No: Lot 58

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.3	$^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	10	ft.
Supply Line Volume	1.74	gal.
Required Feet of Line	400	ft.
Amount of Line from Layout	400	ft.
Gallons per Minute	N/A	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	261.2	gal.
Dosing Volume	N/A	gal.

Note: Dosing Volume based on75% of lateral line volume

Tank Draw Down	N/A	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	N/A	minutes
Elevation Head	N/A	ft.
Pressure Head	N/A	ft.
Friction Factor	N/A	ft./100 ft. *(From the interpolater.)*
Friction Head	N/A	ft.
Total Dynamic Head (+15%)	N/A	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