

GWEN OAKS LOT 37

Project No.11,118.S2

LAYOUT FOR 3 BEDROOM HOME

MARCH, 2009

<u>LINE #</u>	<u>FLAG COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>FLAGGED LINE LENGTH</u>	<u>DESIGN LINE LENGTH</u>
TBM		2.3			100.00		
INSTR. 1			102.30				
1	RED			7.30	95.00	35	35
2	YELLOW			8.30	94.00	45	45
3	BLUE			9.70	92.60	50	50
4	PINK			10.50	91.80	75	75
5	RED			11.50	90.80	85	75
6	ORANGE			12.40	89.90	75	75
7	YELLOW			13.20	89.10	55	55
Total						420	410

	<u>LINE LENGTH</u>	<u>LTAR GPD/FT²</u>	<u>SYSTEM TYPE</u>	<u>SOIL LTAR GPD/FT²</u>	<u>INNOVATIVE SYSTEM</u>	<u>DISTRIBUTION GRAVITY TO D-BOX</u>
<i>System</i>	225	0.50	INNOV.	0.50	EZ-Flow	
Repair	185	0.50	INNOV.	0.50	EZ-Flow	PRESSURE MANIFOLD

- Notes:** TBM 2.3
 **TBM is assumed to be 100'.
 **All measures in feet.
 **Nitrification lines are demonstrated on contour via colored pin flags.
 **BS, HI, and FS indicate rod readings.

**GWEN OAKS LOT 37
REPAIR**

<u>Line #</u>	<u>Color</u>	<u>Elev</u>	<u>Length</u>	<u>Hole Size</u>	<u>Flow/Tap</u>	<u>gpd</u>	<u>Trench Area</u>	<u>Line LTAR</u>
1	RED	95.00	35	SCH 80 1/2	5.48	73.58	105	0.7008
2	YELLOW	94.00	45	SCH 40 1/2	7.11	95.47	135	0.7072
3	BLUE	92.60	50	SCH 40 1/2	7.11	95.47	150	0.6365
7	YELLOW	89.10	55	SCH 40 1/2	7.11	95.47	165	0.5786

total feet = 185 gal/min = 26.81
Des. Flow 360
Pump Run= 13.43
LTAR 0.5
LTAR + 5% 0.525
LTAR w / INNOV 0.66666667
LTAR w / INNOV + 5% 0.7

100% Dose Volume 120.39
Percent Dose Volume 90%
Total 108.35

Pump Run Time 4.04

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Applicant:
 Address:
 Proposed Facility: 3 Bedroom Date Evaluated:
 Location of Site: Design Flow (.1949): 360 gpd
 Water Supply: Public Individual Well Spring Other
 Evaluation Method: Auger Boring Pit Cut
 Type of Wastewater: Sewage Industrial Process Mixed
 Property Recorded: Property Size:

P R O F I L E #	.1940 Landscape Position/ Slope %	Horizon Depth (In.)	SOIL MORPHOLOGY .1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1936 Sapro Class	.1944 Restr Horiz.	
1	LS 5-7%	0-14	GS	VFRLN/np					
		14-32	SBK SCL	FR SS/SP					PS.5
		32-36"	SBK C	FR SS/SP	10/12/72 @ 30"				
2		0-16	GS	VFRLN/np					
		16-38	SBK SCL	FR SS/SP					
		38"-42"	SBK SCL	FR NS/NP					PS.5
3		0-14	GS	VFRLN/np					
		14-41	SBK SCL	FR SS/SP					PS.5

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): PS Evaluated By: CS Others Present: -
Available Space (.1945)			
System Type(s)	25% RSD	25% RSD	
Site LTAR	.5	.5	