DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Woodleaf Ph 2 APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: _____
LOCATION OF SITE: Lot 75 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1949 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1943 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Pit #19 L	0-6	Mo GR SL	FR ns/np	Br				
		6-36	Mo SBK C	FR SS/SP	Red, F yel Br				0.25
		36-49	mo/wk SBK CL	FR SS/SP	Red				0.3
2		0-2	wk SBK cL	fr SS SP					
		2-32	wk SBK/ABK C	fr SS SP SOP					
		32-50	wk SBK cL	fr SS SP common SP					.3
3	10 70	0-7	gr brwk SL	fr SS SP					
		7-36	mt mk SBK CL	fr ss sp sop	few bld mottles				
		36-45	m-wk SBK C	fr SS SP few bld SOP					.25
4		0-10	mgr SL	fr ns np					
		10-16	wk SBK SCL	fr ss sp					
		16-36	m SBK C	fr ss sp sop	common yel & red mottles				.25
		36-48	wk SBK CL	fr ss sp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

Lot 75 Woodleaf Phase 2 Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	480
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	170' of 2" SCH 40 PVC
Flow Rate through the system	27.5 gpm
Elevation head	Approx. 26.7'
Pressure head	2.0'
Friction head	2.8'
20% Contingency	6.3'
Total Head	44.1'
Pump Requirements	27.5 gpm @ 44.1' of head To be designed by installer.
Maximum Dosing Volume	240 gal -2.0 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 8.7 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	327
Repair Loading Rate	0.25

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elevation (Ft.)
1	Repair	Orange	LP PPBPS	102	3.0
2	Repair	Pink	LP PPBPS	111	
3	Repair	Red	LP PPBPS	114	
4	System	Blue	25% Reduction	96 endfed	
5	System	White	25% Reduction	96 endfed	
6	System	Orange	25% Reduction	96 endfed	
7	System	Pink	25% Reduction	96 endfed	
8	System	Red	25% Reduction	96 endfed	14.1
				Total System: 480'	
				Total Repair: 327'	

Tank	Red	1000 gal (2 compartment)	23.7
Pump Tank	Red	1000 gal.	23.7
House	Blue	Right Rear	25.9

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	5
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5