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

Sheet 1 of 1
PROPERTY ID #:
COUNTY:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: JAMES BARBOUR APPLICANT: TIMOTHY ECKLIFF
ADDRESS: 1037 OLIN LOOP RD 28660 APPLICATION DATE: 1-29-04 DATE EVALUATED: 3-5-04
PROPOSED FACILITY: 4BR PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 1.3
LOCATION OF SITE: I/5 N ⓛ PISGAH ON ⓛ AFTER TREEBARK PROPERTY RECORDED: YES
WATER SUPPLY: ☑ Private ☐ Public ☑ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFIL CLASS & LTAR
1	T 2%	0-3	WK SBK CL	FR S/P SEXP	—	>48	—	—	PS .25
		3-20	MO SBK/ABK C	FI S/P SEXP					
		20-48	MO SBK C+SAP	FR S/P SEXP					
2	T 3%	0-10	WK SBK SCL	VFR S/P SEXP	—	>48	—	—	PS .25
		10-22	MO SBK/ABK C	FI S/P SEXP					
		22-48	MO SBK C+SAP	FR S/P SEXP					
3	T 4%	0-13	WK SBK SCL	VFR S/P SEXP	—	>48	—	—	PS .25
		13-48	MO SBK/ABK C	FI S/P SEXP					
4	T 1%	0-10	WK SBK SCL	VFR S/P SEXP	7.5YR 3/2 @ 18"	>48	—	—	PS .25
		10-36	MO SBK/ABK C	FI S/P SEXP					
		36-48	MO SBK C+SAP	FR S/P SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Conv. Gravity	Gravity 25% Red
Site LTAR	.25 GPD/FT²	.25 GPD/FT²

OTHER FACTORS (.1946): No
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Chris Sherrill
OTHER(S) PRESENT: Tim Eckliff

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR	LPP .1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	SI (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SICL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SLC (Silt Loam Clay)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SIC (Silty Clay)			FI (Firm)	S (Sticky)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).

