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: Terry Pierce APPLICATION DATE 10-14-08
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: 2bdrm Home PROPOSED DESIGN FLOW (.1949): 240.0 PROPERTY SIZE: _____
LOCATION OF SITE: Old Lucas Ln off Tarheel Hwy on Rt. PROPERTY RECORDED: _____
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	PROFILE CLASS & LTAR
1	L 7%	0-28	SSK / SC	Fr / Sap	>48	>48			PS 0.7
		28-42	wSSK / SCL	Fr / Sap					
		42-48	wSSK / SCL gravSap	Fr / Sap					
2	L 5%	0-28	SSK / SC	Fr / Sap	>48	>48	-	-	PS 0.7
		28-48+	wSSK / SCL	Fr / Sap					
			very wet						
3	L 7%	0-30	SSK / SC	F-I Sap	>48	>48	-	-	PS 0.7
		30-48+	wSSK / SCL	F-I Sap					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	0.7	0.7

OTHER FACTORS (.1946): P?
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: TCA
OTHER(S) PRESENT: _____

COMMENTS: _____

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTU
CC (Concave Slope) CV (Convex Slope) D (Drainage Way)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive)
DS (Debris Slump) FP (Flood Plain) FS (Foot Slope)	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		CR (Crumb) GR (Granular) SBK (Subangular Blocky, ABK (Angular Blocky)
H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	III	SCL (Sandy Clay Loam) SiL (Silt Loam) CL (Clay Loam) SiCL (Silty Clay Loam) Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy) PR (Prismatic)
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

***Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.**

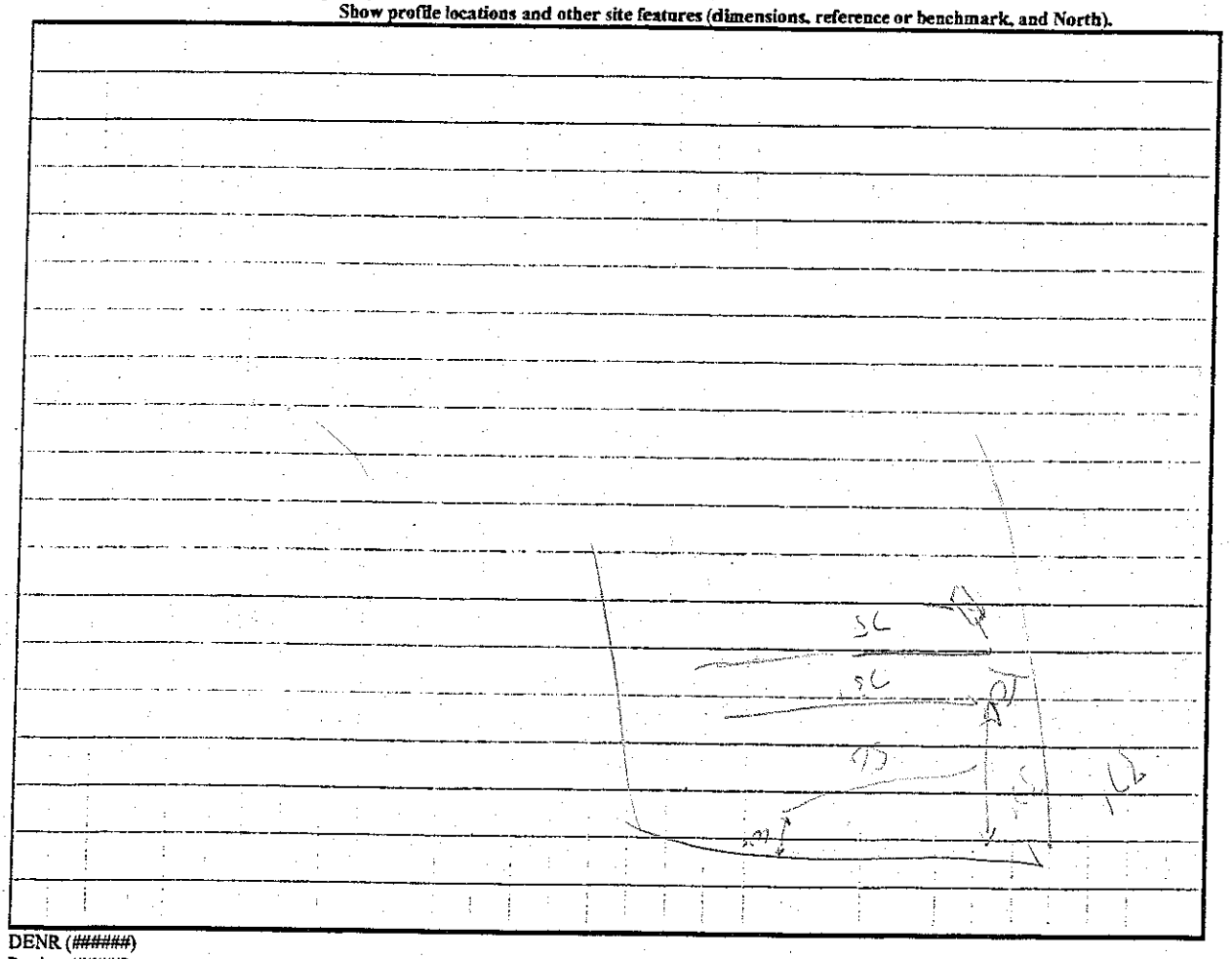
NOTES

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).



DENR (######)

Review (#####)