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

Sheet ___ of ___
PROPERTY ID #: 131608
COUNTY: 4765-32-7743

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: MOORE FIELD BUILDERS
ADDRESS: 1516 MOUNTAIN HWY STATESVILLE NC 28625
PROPOSED FACILITY: 3BR HOUSE PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 1500 KIRKPATRICK 9
APPLICATION DATE 10-4-05
DATE EVALUATED: 10-18-05
PROPERTY SIZE: 1.616
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	40/0 L	0-4"	scl wk gr	frosnpnsp	10yr 8/6 @ 28"				PS .25
		4-48"	cmod sbk/abk	fr ssp snp	25y 6/7 @ 28"				
					10yr 7/4 @ 33"				
					10yr 6/8 @ 36"				
2	60/0 L	0-8"	scl wkgr	frsnpnsp	10yr 6/8 @ 24"				PS .25
		8-12"	cwk abk	frssp snp					
		12-48"	cmod abk	frsp snp	10yr 7/8 @ 32"				
3	60/0 L	0-6"	scl wk gr	frosnpnsp	10yr 7/8 @ 24"				PS .2
		6-48"	cmod abk	frsp snp	10yr 7/4 @ 26"				
					10yr 7/4 @ 30"		NO Limns 2		
					10yr 7/4 @ 36"				
					10yr 6/4 @ 42"				
4	40/0 L	0-6"	scl wk gr	frosnpnsp		NEED PITS			US
		6-48"	sgr clay	c					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	LAN 20"/NRS	LPP 50"/NRS
Site LTAR	.25	.2

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: L. COOK
OTHER(S) PRESENT: M. MOORE FIELD

COMMENTS: ___

LEGEND

use the following standard abbreviations

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

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.

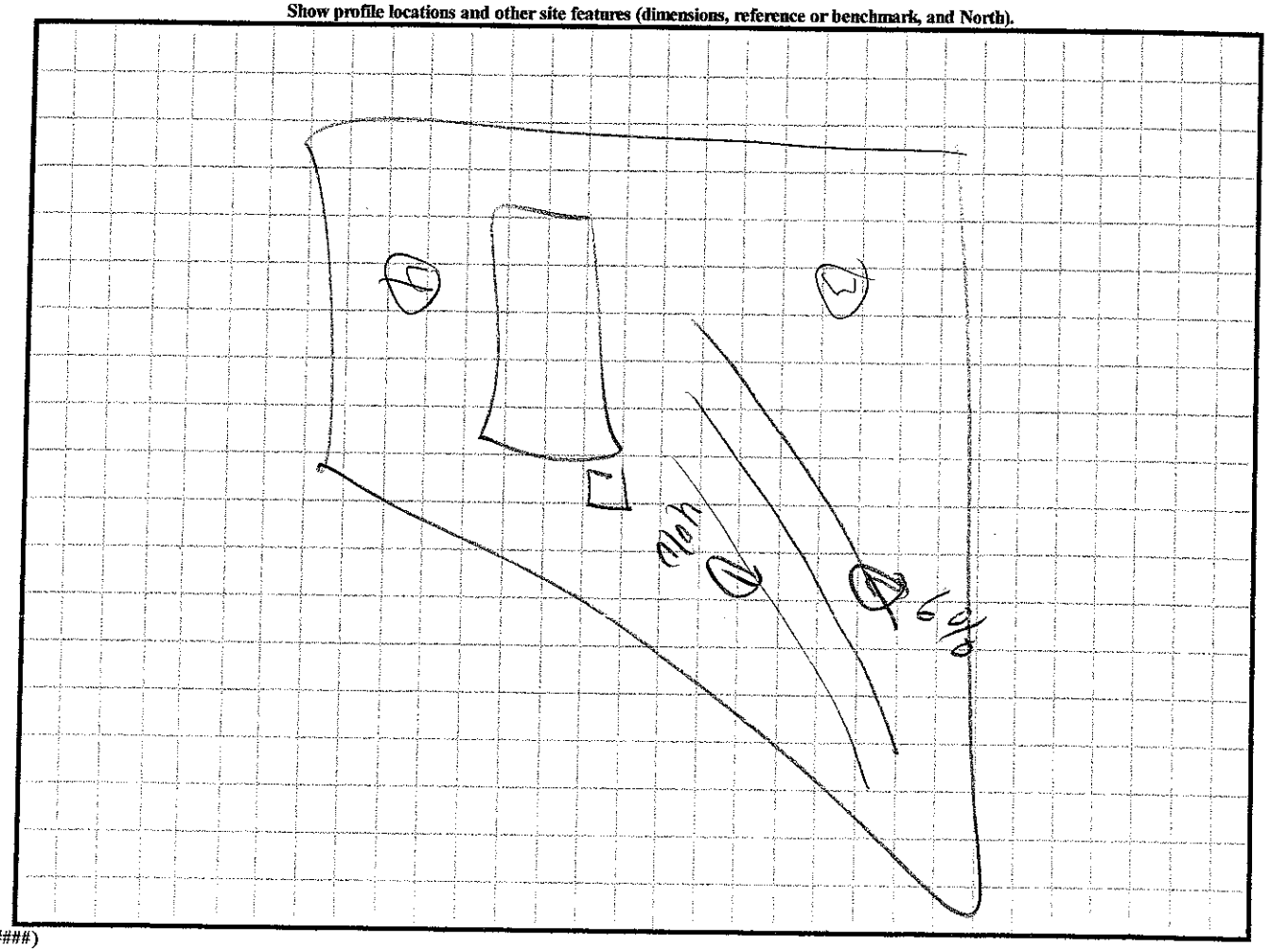
NOTES

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 (#####)