RSH

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #:
DATE OF EVALUATION: 9/08
COUNTY: Iredell

Jessie Goodwin / LOT 2

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
B1	L/6 10%	0-6	Bsl gr	FrSSSP SExP		48	-	-	PS
		6-24	RB cl wsbk	" " " "					
		24-48	Rc wsbk	" " " "	-f YB's -Fsmp				0.28
B2	L/6-10%	0-6	Bsl gr	FrSSSP SExP		48	-	-	PS
		6-28	RB scl wsbk	" " " "	-f. org.				
		28-48	RY scl wsbk	" " " "	-f YB's f/M				0.275
B3	L/10-15%	0-22	RB C wsbk	FrSSSP SExP		40	-	-	PS-25
		22-40	RY cl wsbk	" " " "	-f-c sap -c YBS -chr 2 @ 23"				0.1
									1.4
B4	L/10-15%	0-6	Bsl gr	FrSSSP SExP		45	-	-	PS-40
		6-40	RB scl wsbk	" " " "					
		40-45	YR scl wsbk	" " " "	-C YB's -f chr 2's				0.25-.275
									24" Trench bottom
B5	L/10-15%	Same as B4 except chroma 2 @ 39"				40" 39"			PS-40
									.25-.275
B6	L/10-15%	0-8	Bsl gr	FrSSSP SExP		48	—	—	PS
		8-48	BR cl wsbk	" " " "	-f organics				.275

COMMENTS:

40 - 12" - 6" = 22" TB

~~A~~ 39 - 12" - 6" = 21" TB ~~A~~

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

RSH

Sheet ___ of ___
PROPERTY ID #: 151525
COUNTY: 9778003615

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Applicant
OWNER: Tim Truesdell APPLICATION DATE: 7/25/08
ADDRESS: 121 614 N WATER DRIVE MOORESVILLE NC 28117 DATE EVALUATED: 8-21-08
PROPOSED FACILITY: 5 BR HSE PROPOSED DESIGN FLOW (.1949): 600 PROPERTY SIZE: 1.420
LOCATION OF SITE: PAULSTOVE LOT 7 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	10% L	0-6	SCL WK GR	FR SP NP	26"				US
		6-26	C MED SBK	FR SP SP					
		26-48"	C/CROMA 2	HIGH H2O TABLE					
2	6%	0-4	SCL WK GR	FR SP NP	20"				US
		4-20	C MED SBK	FR SP SP					
		20-48"	C/CROMA 2	HIGH H2O TABLE					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	NO	NO
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): US
EVALUATED BY: L. COOK
OTHER(S) PRESENT: H. BAKER / BO COLE
S. HOOKER

COMMENTS:
2ND OPINION

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*
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
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3
	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
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05

MINERALOGY/ CONSISTENCE	STRUCT
NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grai M (Massive) CR (Crumb) GR (Granular) SBK (Subangu ABK (Angula PL (Platy) PR (Prismatic)

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

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

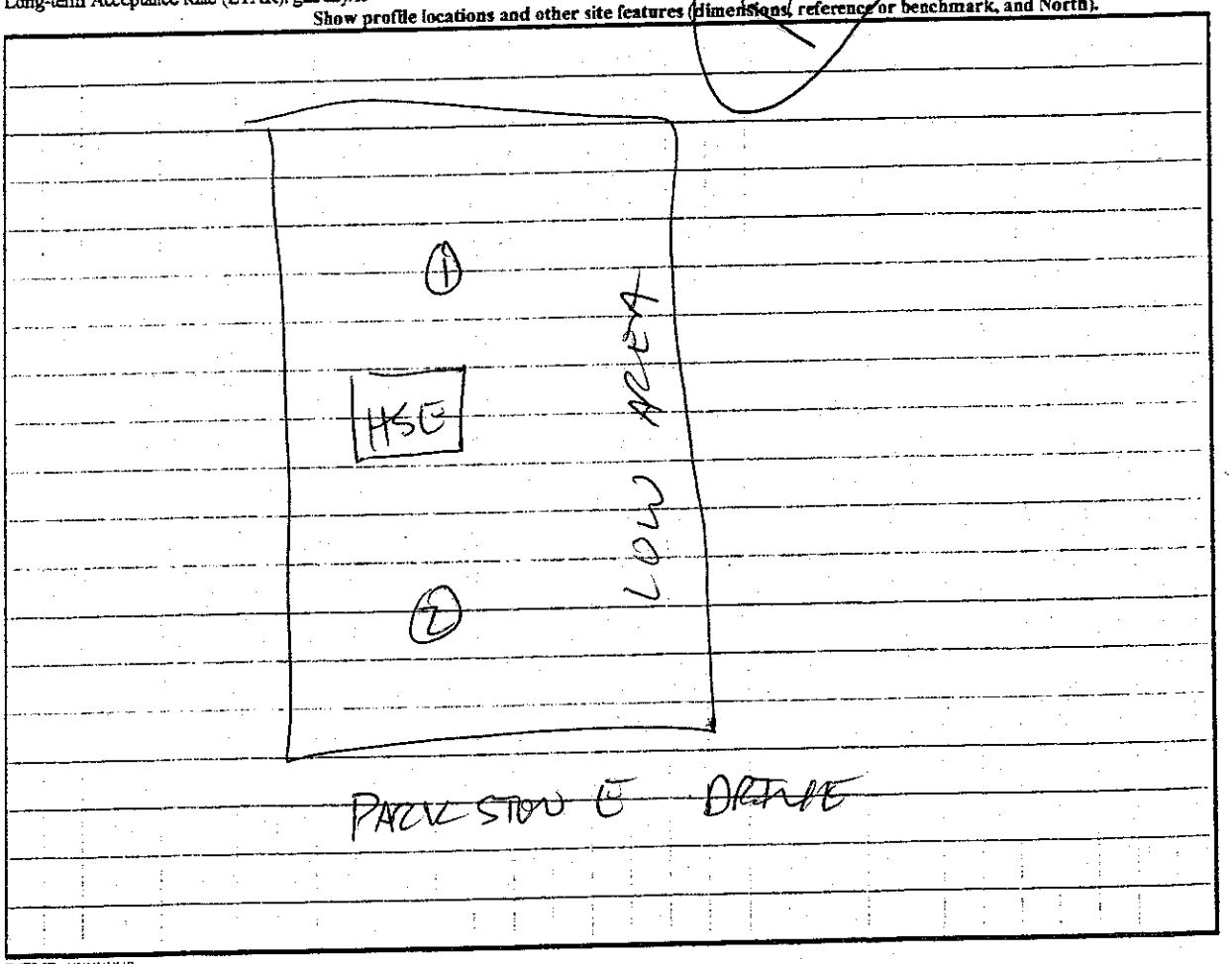
NOTES

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 designa
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 (#####)