DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 7193
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: BRUCE STEPHENS
ADDRESS: 220 BEECH BROOK LN. STATESVILLE NC
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 220 BEECH BROOK LN. STATESVILLE NC
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
APPLICATION DATE 11/30/15
DATE EVALUATED: 1/19/16
PROPERTY SIZE: 1.100 ACRE
PROPERTY RECORDED: —
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
A 1	LL 5%	0-34	BRC, SBK	FR, SS, SP	/	48"	F SAP INCL 40-48"	/	.3
		34-48	BRCL, SBK	" " "					
A 2	LL 7%	0-6	BSCL NSBK	FR, SS, SP	/	48"	F. SAP INCL. 40-48"	/	.3
		6-38	BRC, SBK	" " "					
		38-48	BRCL, SBK	" " "					
A 3	LL 7%	0-9	BSCL, SBK	FR, SS, SP	/	48"	F SAP INCL 29-48"	/	.3
		8-45	RCL, SBK	" " "					
		45-48	RCL, SBK	" " "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	APPROVED	APPROVED
Site LTAR	.3	.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. CHRIS MCMAHON
OTHER(S) PRESENT:

COMMENTS:

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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)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	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.

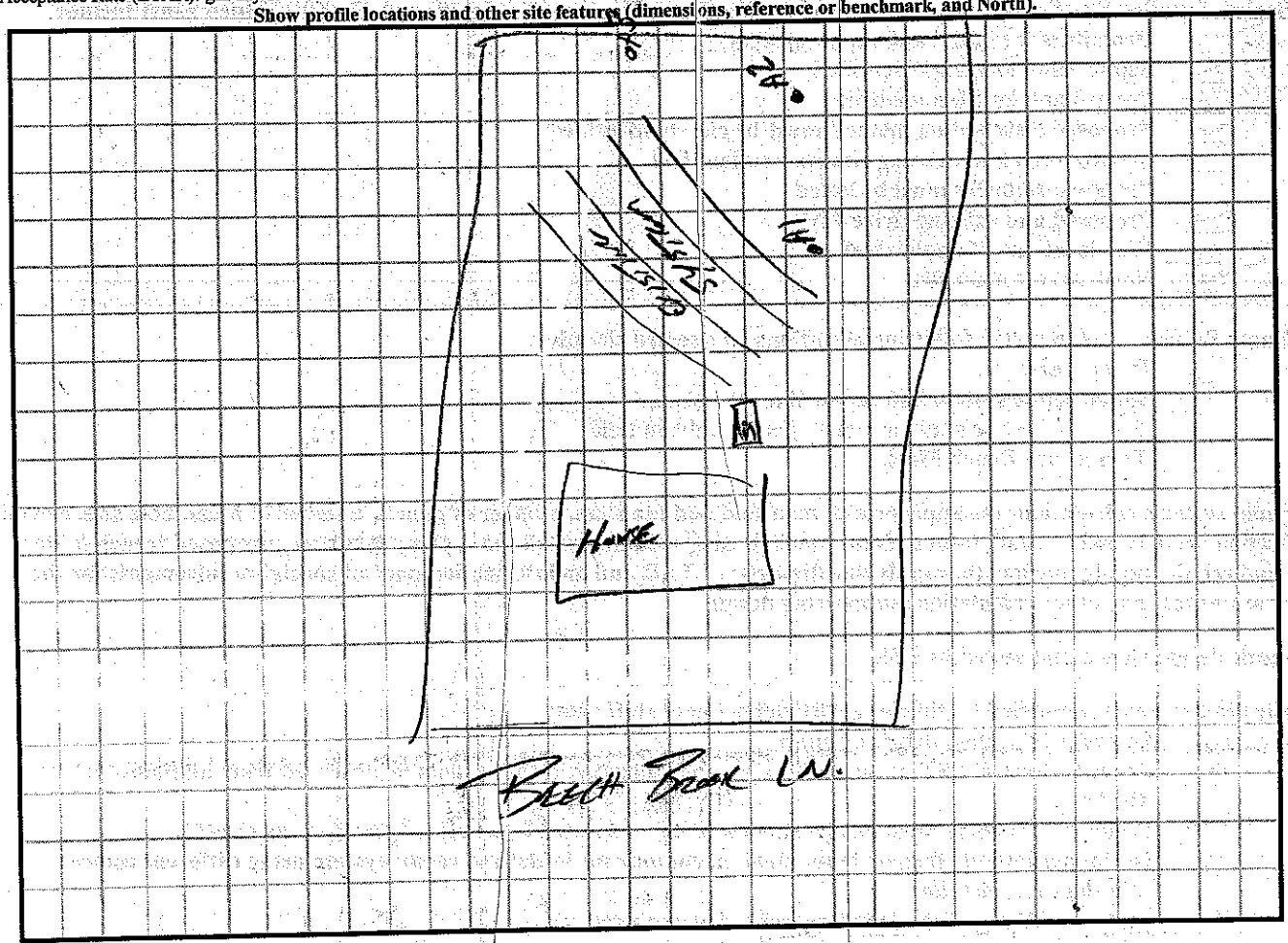
NOTES

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 (#####)

* SOIL NOTES *

1 inch = 50 feet

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REMOVE 30' OF LAST LINE @ END OF SEPTIC TANK. REMOVE FIRST 10' OF FIRST LINE @ TANK. REPLACE EXISTING 20' OF 1ST LINE W/ 25% REDUCTION.

DUCT DRAINAGE 15' FROM TANK

EXISTING TANK UNDER PROPOSED SUNROOM

NEED TO REPLACE 18' OF FIRST LINE. SHED OVER LINES.