DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4654580 882
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Gerald & Brenda Beaty
ADDRESS: 13124 Rocky Creek Rd Huntersville NC 28078
PROPOSED FACILITY: 3BR Home
LOCATION OF SITE: 115 South (D) Pass by Farm (D) Sherman on Left 1127 Shinn Haven
WATER SUPPLY: • Private • Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring • Pit • Cut

APPLICATION DATE 8-23-13
DATE EVALUATED: 10-3-13
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 1.396
PROPERTY RECORDED: Yes
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	7% L	0-18"	red wk CSbk fr	fr ss sp sexp		26"	PS		PS .35
		18-26"	cl wk sbk	fr ss sp sexp	-7 common	to many sap inclusions			
		26-60"	sl sap wk sr	fr ns sp nexp	-7 common to many inclusions of clay				
2	7% L	0-15"	cl wk sbk	fr ss sp sexp	-7 many sap inclusions				PS .4
		15-58"	sl sap wk sr	fr ns sp nexp		15"	PS		
3	7% L	0-12"	C wk sbk	fr ss sp sexp					PS .4
		12-17"	cl wk sbk	fr ss sp sexp	common sap inclusions 12-17"				
		17-60"	sl sap wk sr	fr ns sp nexp					
4	7% L	0-17	C mod sbk	fr sp sexp					PS .3
		17-56"	cl wk sbk	fr ss sp sexp	few sap inclusions 47"-56"				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	GRW 25%	GRW 25% RPP
Site LTAR	.35	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. Cook
OTHER(S) PRESENT: B. Freeman, A. Pruett

COMMENTS: Saprolite System. Drainfield installed at 36" minimum depth

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)		SiL (Silt Loam)				
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)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	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.

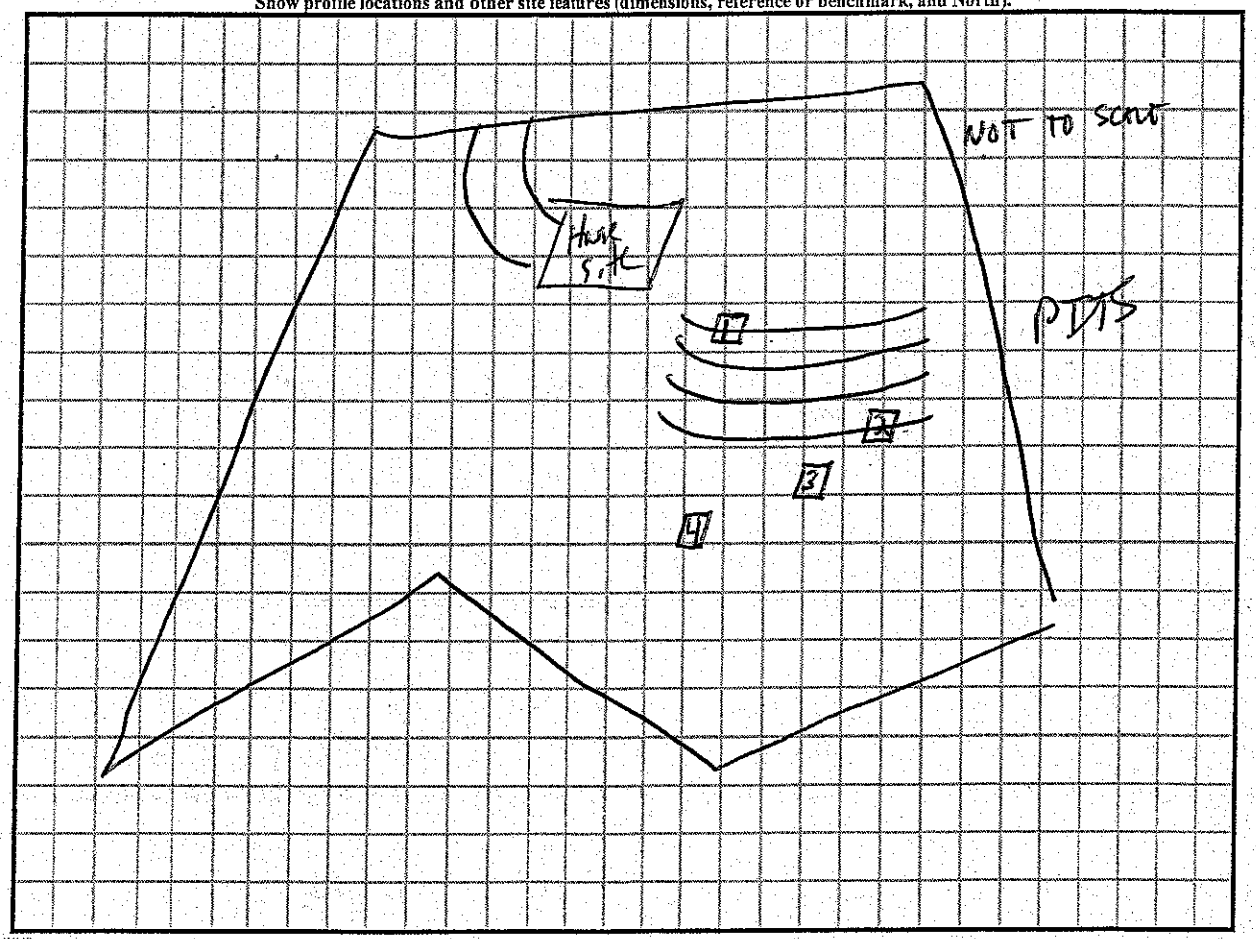
NOTES

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 (#####)

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2

PROPERTY ID #: 0892

COUNTY: IREDELL

SOIL/SITE EVALUATION

for ON-SITE WASTEWATER SYSTEM

OWNER: Boovy

APPLICATION DATE

ADDRESS: 13124 Ramah Church Rd. Huntersville NC

DATE EVALUATED: 12/18/14

PROPOSED FACILITY: SFR

PROPOSED DESIGN FLOW (.1949): 360 GPD

PROPERTY SIZE: 1.396 ACRE

LOCATION OF SITE: 127 Stonehaven Dr Mooresville, NC

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LL 5%	0-32	FILL		MANY SAP INCL. AT 44"	32"-48"			
		32-42	BSCL WSDK						
		42-48	RCL WS3K	FR, SS, SP					
2	LL 3%	0-8	BSCL WS3K		FEW SAP. INCL. 20-44" 44"-48" MANY SAP INCL.				.3 PS
		8-12	RCL, WS3K	fr, SS, SP					
		12-20	RC, SBK	fr, SS, SP					
		20-48	RCL, SBK/WSBK	fr, SS, SP					

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: Shane Cashion

OTHER(S) PRESENT: —

COMMENTS:

LEGEND

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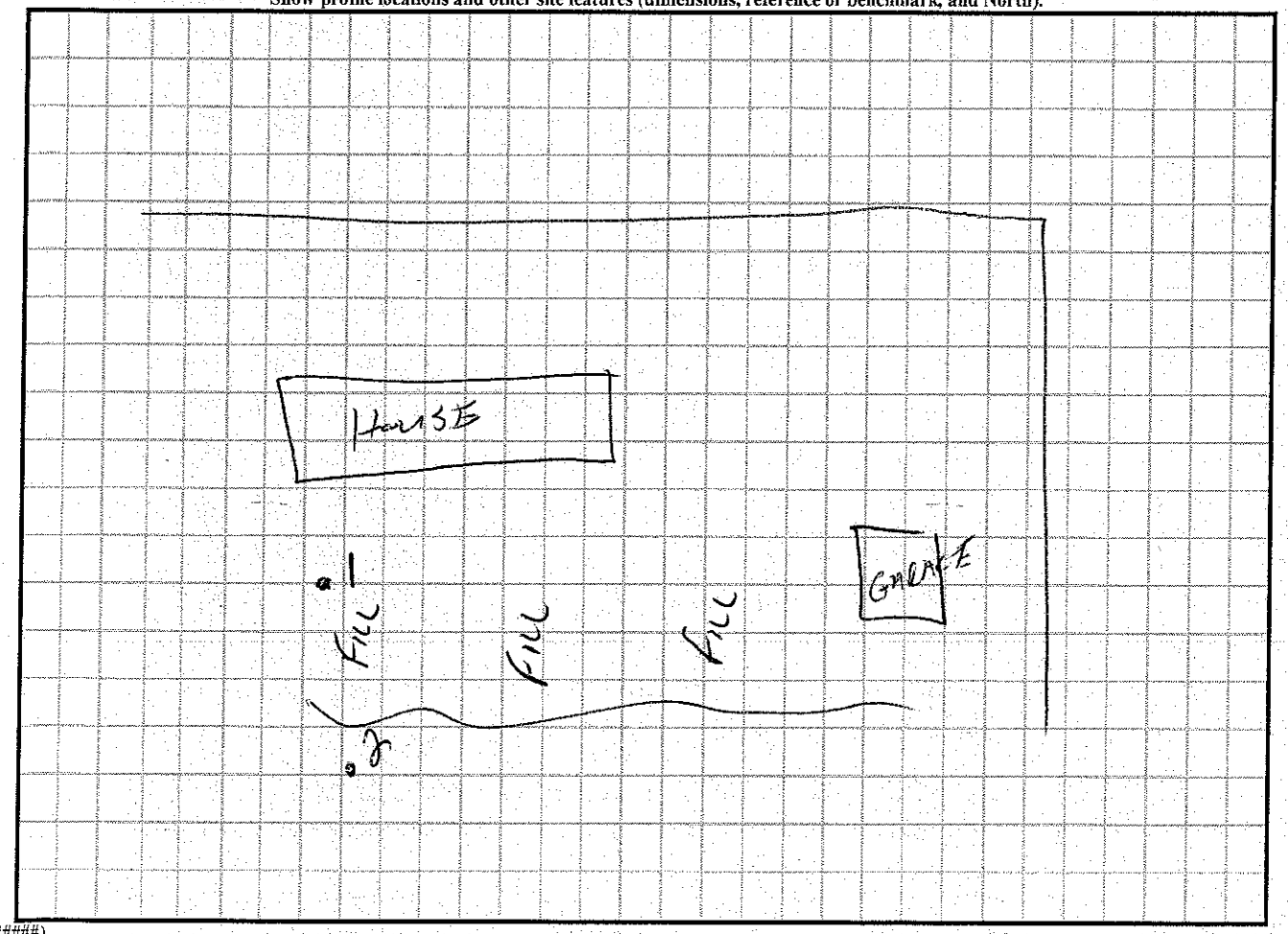
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