DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 3
PROPERTY ID #: 2153
COUNTY: Jerdell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Tate Little
ADDRESS: 2419 Buffalo Shoals
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 2408 Buffalo Shoals Sul. NC
APPLICATION DATE: 4/2/16
DATE EVALUATED: 5/26/16
PROPERTY SIZE: 8.960 Acre
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	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
A1	LS 15%	0-4	Fill	—	/	20"	C-M SAP Incl 12"-20"	21"	.3 4"-20" Need Pit To Use.
		4-16	RL, SBK	FR, SS, SP					
		16-20	RCL, WSBK	" " "					
		21	AR						
A2	LS 15%	0-8	BSCL, WSBK	FR, SS, SP	Few Mottles 14"-22"	42"	C-M SAP Incl 28"-42"	/	.275 0"-25" .3 25"-42"
		8-30	RL, WSBK	FR " "					
		30-42	RCL, WSBK	" " "					
		42-48	Mass Sap	VFR, " "					
A3	LS 15%	0-18	BSL/SCL, WSBK	FR, SS, SP	/	36"	C-M SAP Incl 20"-36"	/	.25-.275 Need Pit To Use
		18-22	BRC, WSBK	" " "					
		22-36	BRCL, WSBK	" " "					
		36-48	Mass Sap						
A4	LS 15%	0-8	BSCL, WSBK	FR, SS, SP	/	32"	C-M SAP Incl 18"-32"	/	.25-.275 0-18 .3 18"-32" Need Pit.
		8-18	RL, WSBK	FR, S, P					
		18-24	RC, SBK	FR, SS, SP					
		24-32	RCL, WSBK	" " "					
		32-48	Mass Sap	VFR " "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	T3	T5
System Type(s)	Approved	Approved
Site LTAR	.275	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): ES
EVALUATED BY: SC
OTHER(S) PRESENT: Danny Camberth

COMMENTS: Hard Sap In A1

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	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						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.

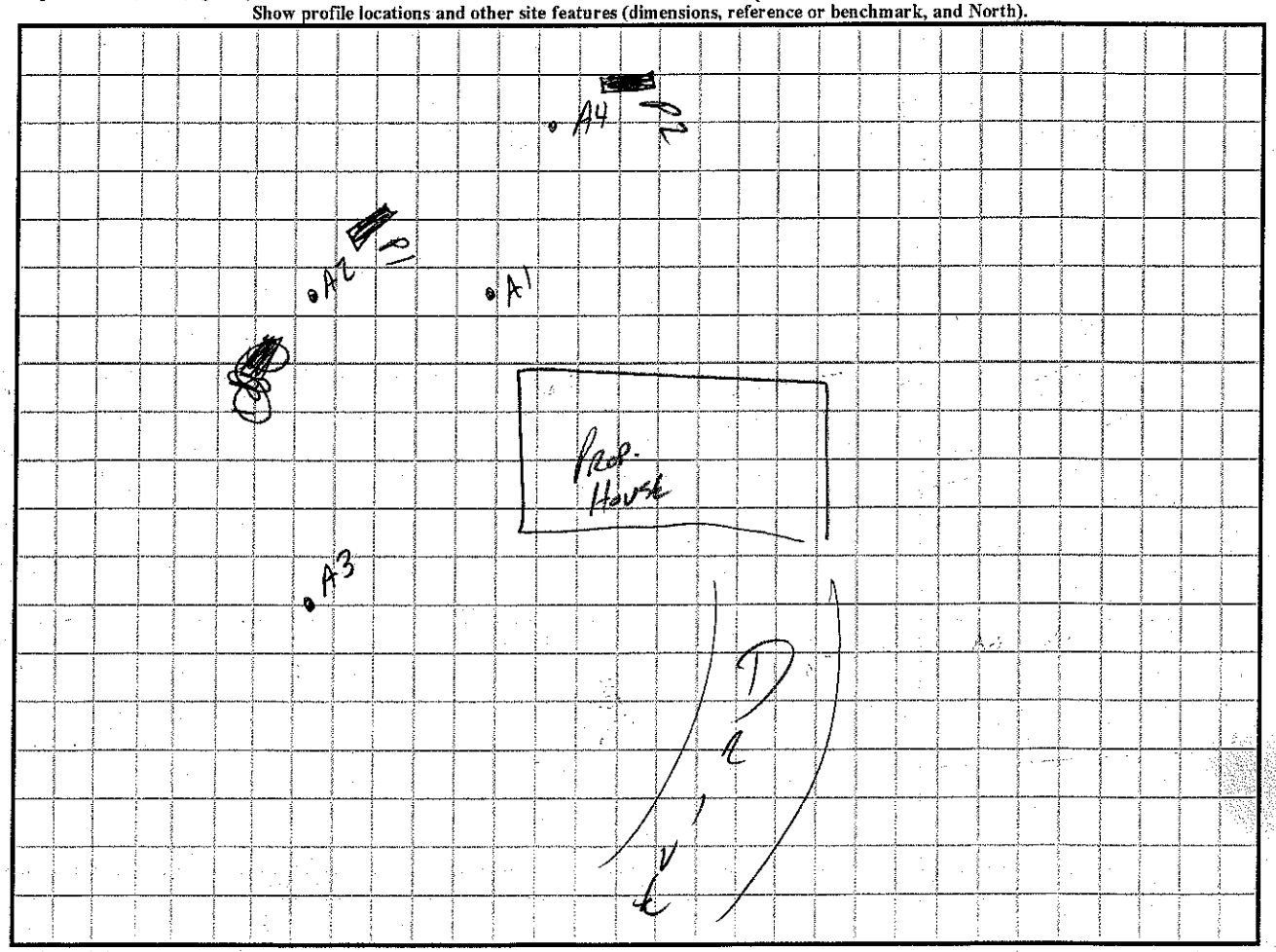
NOTES

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).



SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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PROPERTY ID #: 2153
DATE OF EVALUATION: 5/26/16
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	LS 15%	0 - 8	BSL/SCL, WSBK	FR, SS, SP	Few Drain Mottles 18"-24"	48"	F-L SAP Incl 37"-48" Quartz Incl	/	.275 0-31 .3 31"-48"
		8 - 31	RC, ABK/SBK	FR, SS/S, SP					
		31 - 48	RCL, SBK/WSBK	FR, SS, SP					
P 2	LS 15%	0 - 6	BSL, WSBK	VFR, SS, SP	/	48"	PS C-M SAP Incl 30"-48"	/	.3 0-28 .325 28"-60"
		6 - 28	RC, SBK	FR, SS, SP					
		28 - 48	RCL, SBK/WSBK	" " "					
		48 - 60	Mass SL SAP	VFR, SS, SP					
P 3	LS 15%	0 - 5	BSL, WSBK	VFR, SS, SP	Few Mottles 12"-20"	60"	C-M SAP Incl 28"-60"	/	.275 0-25" .3 25-60"
		5 - 25	RC, ABK/SBK	FR, SS, SP					
		25 - 47	RC, SBK	" " "					
		47 - 60	RCL, WSBK	" " "					
P 4	LS 15%	0 - 11	BSL, WSBK	VFR, SS, SP	Heavy Drain Mottles 11"-35"	60"	F-C SAP Incl 44"-60"	/	.25 0-45" .275 45"-60"
		11 - 28	YRC, WABK	FR, S, P					
		28 - 45	RC, ABK/SBK	FI/FR, SS, SP					
		45 - 55	RC, SBK	FR, SS, SP					
		55 - 60	RCL, SBK/WSBK	FR, SS, SP					

COMMENTS:

Prop. Line
DRIVE
~110'
GARAGE
4 GPS
3 GPS
75
TRAIL
2 GPS
1 GPS
P2
P3
P4
REPAIR
BUILDING
3 @ 110'
.275
CAST
COORDINATE
HOUSE
GARAGE