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

Sheet 1 of 2
PROPERTY ID #: 379397117
COUNTY: Iredell

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

OWNER: Karen Tate — APPLICATION DATE: 6-4-15
ADDRESS: 131 Stewart Acres Dr — DATE EVALUATED: 6-24-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: 1.278ac
LOCATION OF SITE: 3/0 to old mtn to Beulah to Stewart Acres — PROPERTY RECORDED: Yes
WATER SUPPLY: [X] Private [ ] Public [X] Well [ ] Spring [ ] Other N/A
EVALUATION METHOD: [X] Auger Boring [X] Pit [ ] Cut — TYPE OF WASTEWATER: [X] 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	L 8%	0-6	SBK CL	fr SE	Chroma 2's 24"-48"	24"	N/A	N/A	Drip 1.1
		6-24	SBK SCL	fr SE					
		24-48	SBK SC	fi SE					
2	L 8%	0-6	SBK CL	fr SE	Chroma 2's 20"-48"	20"	N/A	N/A	Drip 1.1
		6-20	SBK SCL	fr SE					
		20-48	SBK SC	fi SE					
3	Pit L 8%	0-8	SBK CL	fr SE	Chroma 2's 26"	21"	N/A	N/A	Drip 1.1
		8-21	SBK C	fr SE					
		21-48	COSBK OC	fi/fr SE					
			yellow brown mottles	21"-26"					
4	Pit L 8%	0-6	SBK CL	fr SE	Chroma 2's 7"-48"	6"	N/A	N/A	UNS
		6-17	ABK C	[illegible] SE					
		17-48	MASSBC	fi/fr SE/E					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	IV
Site LTAR	.25	.1

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: H. Snow
OTHER(S) PRESENT: N/A

COMMENTS: N/A

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 3939771177
DATE OF EVALUATION: 06/22/17
COUNTY: Iredell

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
5	PLT 14% L	0-6	6r SCL	fr SE	Chroma 2 1/3 23"	PS	W/A	W/A	PR .1P
		6-21	ABK C	fi SE					
		21-30	WABK BC	FI/fr SE					
6	PLT 10% L	0-6	6r SCL	fr SE	yellow browns 27"-50"	PS	W/B	W/P	PS .25
		6-27	ABK C	fi SE					
		27-50	WABK BC	FI/fr SE					
7	PLT 10% L	0-14	6r SCL	fr SE	yellow browns 35"-50"	PS	W/P	W/P	PS .25
		14-35	ABK C	fi SE					
		35-50	WSBK BC	FI/fi SE					

COMMENTS: N/A

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).

