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

Sheet 1 of 1
PROPERTY ID #: 4871883838
COUNTY: Iredell

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

OWNER: John Mayberry
ADDRESS: 105 Mayberry
PROPOSED FACILITY: SFD
LOCATION OF SITE: 105 Mayberry Rd.
APPLICATION DATE: 11-16-15
DATE EVALUATED: 11-25-15
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 2.781 Acres
PROPERTY RECORDED: Yes
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other N/A
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	16% NS	0-7	SCL SBK	F, Mod SE	16"	—	—	—	US
		7-16	C many Y/B mottles ABK	F Mod					
			Chroma 2's @ 16"						
2	3% NS	0-5	SCL SBK	F Mod SE	>48"	>48"	>48"	>48"	PS 0.25
		5-21	C Y/B mottles ABK	F Mod SE					
		21-48	BC WABK	F Mod SE					
		Y/B Mottles 15"-27"							
3	9% NS	0-13	SCL SBK	F, Mod SE	45" Chroma 2	>48"	>48"	45"	PS 0.25
		13-34	C SBK	F Mod SE					
		34-48	BC WABK	F Mod SE					
		Common Y/B mottles							
		Chroma 2's @ 45							
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		PS
System Type(s)		LL
Site LTAR		0.25

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

COMMENTS: ☆ TB @ 32" High Side ☆

Updated February 2014

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	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) O (Organic)	0.4 - 0.1	0.2 - 0.05		
			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).

