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

Sheet 1 of 2
PROPERTY ID #: 4751 95 3951
COUNTY: Iredell

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

OWNER: William Perry
ADDRESS: 350 Mertz Ln
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 3657 Amity Hill Rd

APPLICATION DATE: 9-30-15
DATE EVALUATED: 10-14-15
PROPERTY SIZE: 2.5 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	20% L	0-10	SCL SBK	Fr Mod SC	Chroma 2's 22-48"	—	—	22"	Need Pits US
		10-20	SL SBK	Fr Mod SE					
		20-42							
		42-48	CL SAP						
2	20% L	0-9	SCL SBK	Fr Mod SE	Chroma 2's @ 20"	—	—	20"	Need Pits US
		9-22	C SBK	Fr E					
		22-36	BC chroma 2' wBK	Fr					
		36-48	CL SAP	RCS					
3	14% HS	0-24	C micc ABK	Fr Mod SE	48"	48"	48"	48"	PS 0.275
		24-48	BC wABK	Fr Mod SE					
4	7% AS	0-6	SCL SBK	Fr Mod SE	48"	48"	48"	48"	PS 0.25
		6-24	C micc ABK	Fr Mod SE					
		24-48	BC micc/sap wABK	Incl Fr Mod SE					

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

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

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4751953957
DATE OF EVALUATION: 10-14-15
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	15% HS	0-11	SCL Gr	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.25
		11-28	C micaceous ABK	Fi Mod SE					
		28-48	BC Sap Incl WABK	Fr Mod SE					
			Lithochromic models						
6	17% HS	0-7	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.275
		7-22	C micaceous ABK	Fi Mod SE					
		22-48	BC Sap Incl WABK	Fr Mod SE					
7	11% HS	0-6	SCL Gr	Fr Mod SE	>48"	>48"	>48"	>48"	DS 0.275
		6-24	C micaceous ABK	Fi Mod SE					
		24-48	BC Sap Incl WABK	Fr Mod SE					
8	15% HS	0-16	SCL Gr	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.25
		16-30	C micaceous ABK	Fi Mod SE					
		30-48	BC Few F/D mottles WSBK	Fr Mod SE					
			Lithochromic models						
			in BC horizon						

COMMENTS: _____

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 None	0.2 - 0.05 None	MOIST VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	WET NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) 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 Mun 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).

