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

Sheet 1 of 2
PROPERTY ID #: 376 386 4407
COUNTY: Iredell

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

OWNER: James Widener
ADDRESS: 172 Hudson Ln
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 40 to Sharon School to Hudson
APPLICATION DATE: 2-15-16
DATE EVALUATED: 02/29/16
PROPERTY SIZE: 16.16ac
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 9%	0-11	Gr SCL	V SE	Chroma 2's @ 26"	PS	W/A	24"	0.1 DMP
		11-24	SBK-SC	Fi SE	Chroma 1's 3's 24"-48"				
		24-48	WABK C	Fi SE					
2	L 6%	0-3	Gr SCL	V SE	Chroma 2's @ 12"-55" UPS	UPS	W/A	12"	UPS
		3-18	ABK C	Fi SE					
		18-55	WABK BC	Fi/M SE					
3	L 12%	0-12	Gr SCL	V SE	Many yellow browns 19-48 Chroma 2's @ 19"	W/A	W/A	19"	0.1 PIP
		12-26	ABK C	Fi SE					
		26-48	WABK BC	Fi/M SE					
4	L 12%	0-10	Brown ABK C	Fi SE	many yellow browns throughout Chroma 2's @ 27"	UPS	W/A	10"	UPS
		10-20	Platy C	Fi SE					
		20-26	ABK C	Fi SE					
		26-48	WABK BC	Fi/M SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	.3	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: HSnow
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 378386 4407
DATE OF EVALUATION: 03/02/16
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON 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	L 9%	0-8	gr SCL	fr SE	PS	PS	W/A	W/A	PS .3
		8-18	Strong ABK C	fi SE/E					
		18-60	WSBK BC	fi/K SE					
6	L 5%	0-5	gr SCL	fr SE	PS	PS	W/A	W/A	PS .3
		5-18	Strong ABK L	fi SE/E					
		18-62	WSBK BC	fi/K SE					
7	L 5%	0-13	Platy C	fi SE/E	PS	PS	W/A	W/A	PS .3
		13-69	WSBK BC	fi/K SE					
8	L 5%	0-15	Strong ABK C	fi SE/A	PS	PS	W/A	W/A	PS .3
		15-48	WSBK BC	fi/K SE					

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		
					MOIST	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)
		O (Organic)	None	None		

*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).

