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

Sheet 1 of 2
PROPERTY ID #: 4854 10 40
COUNTY: Iredell

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

OWNER: John Howard
APPLICATION DATE 8-14-14
ADDRESS: 543 Howards Bridge Rd
DATE EVALUATED: 09/23/14
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 2.25ac
LOCATION OF SITE: 77 to Union Grove to howards bridge
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	L 5%	0-19	WABK BC	fi/f SE	PS	PS	N/A	19+	Drip .15
		19+	Mass CR	fi N/A					
2	L 12%	0-6	Gr SCL	fr SE	PS	PS	N/A	N/A	PS .3
		6-24	SBK C	fi SE					
		24-48	WABK BC	fi/fr SE					
3	L 8%	0-19	SBK C	fi SE	PS	PS	N/A	29"	PPS
		19-29	WABK BC	fi/fr SE					
		29-48	Mass Sap(l)	fr N/A					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Needs PPS	
System Type(s)		
Site LTAR		

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

COMMENTS:

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.

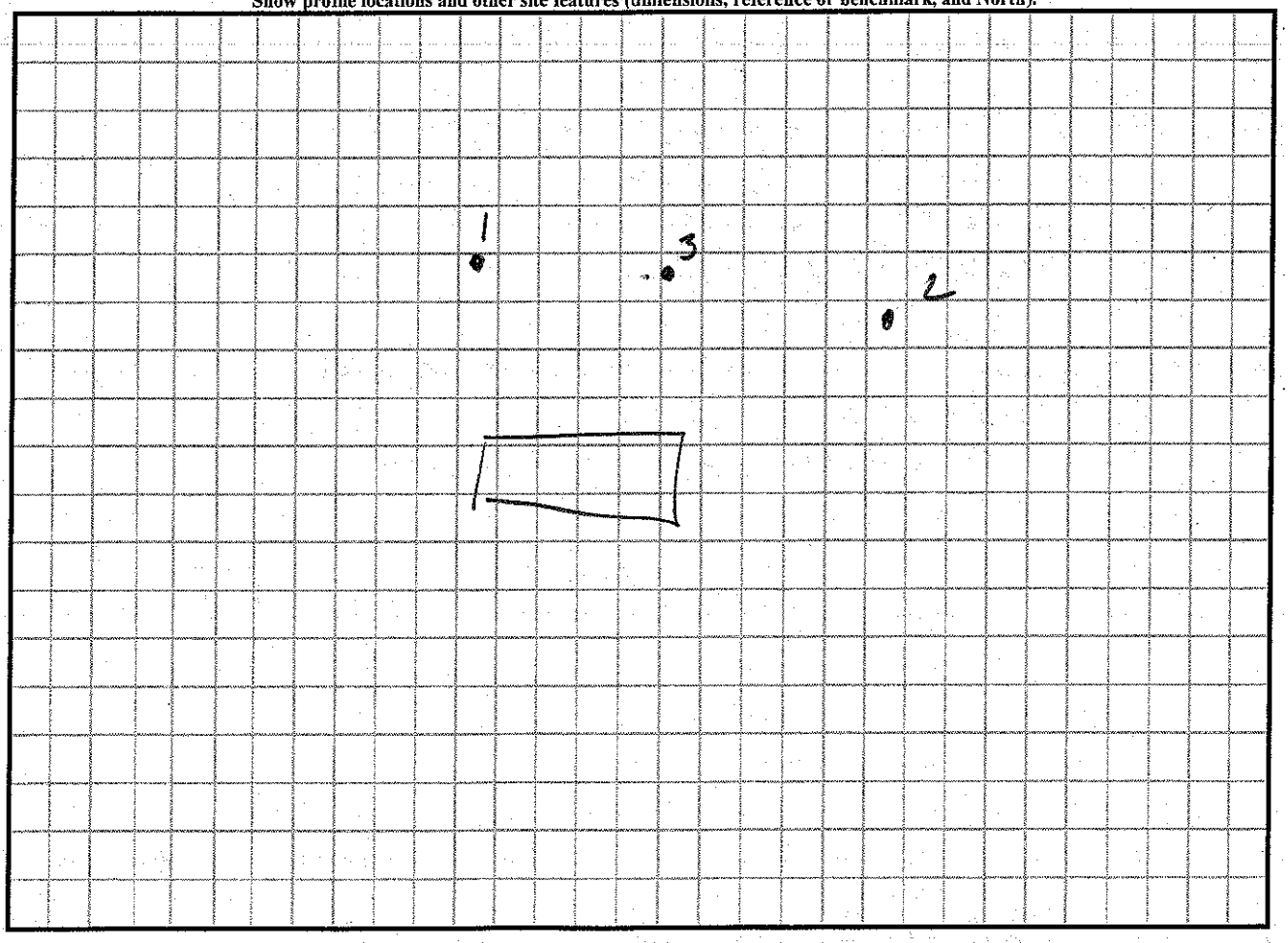
NOTES

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).



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

Sheet 2 of 2
PROPERTY ID #: 4854104930
COUNTY: Iredell

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

OWNER: John Howard
ADDRESS: 543 Howards Bridge Rd
PROPOSED FACILITY: SFD
LOCATION OF SITE: Union Grove to Howards Bridge Rd

APPLICATION DATE: 8-14-14
DATE EVALUATED: 10/6/14
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: 2.25 ac
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	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
1	L 5%	0-16	SBK C	fi SE	PS	PS	PS	N/A	PS .3
		16-36	WABK BC	fi/fr SE					
		36-66	Mass Sprl	fr N/A					
2	L 11%	0-22	SBK C	fi SE	PS	PS	PS	N/A	PS .3
		22-45	WABK BC	fi/fr SE					
		45-72	Mass Sprl	fr N/A					
3	L 10%	0-20	SBK C	fi SE	PS	PS	PS	N/A	PS .3
		20-39	WABK BC	fi/fr SE					
		39-72	Mass Sprl	fr N/A					
4	L 8%	0-12	Gr CL	fr SE	PS	PS	PS	N/A	PS .3
		12-29	SBK C	fi SE					
		29-70	Mass Sprl	fr N/A					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	0.3	0.3

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

COMMENTS:

LEGEND

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