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

Sheet 1 of 2
PROPERTY ID #: 977146 7834
COUNTY: Iredell

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

OWNER: Eric Ward — APPLICATION DATE 7-2-15
ADDRESS: 1124 Charlotte Hwy — DATE EVALUATED: 8-17-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 3 60 gpd — PROPERTY SIZE: 1.77 acres
LOCATION OF SITE: 138 Goreaway Ln — 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	12% L	0-6	SCL sbk	Fr mod SE	>48"	>48"	>48"	>48"	PS 0.25
		6-29	C ~~sbk~~	Fr Mod SE					
		29-48	BC sap incl WSBK	Fr Mod SE					
2	12% L	0-6	SCL Gr	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.225
		6-26	C ABK	Fr Mod SE					
		26-48	BC sap incl WABK	Fr Mod SE					
3	9% NS	0-12	FV	—	14" 14-48" 2.5Y 7.1	—	—	14"	US
		12-24	C PL						
		24-48	BC WABK	Fr					
4	8% NS	0-6	SCL Gr	Fr Mod SE	16" 2.5Y 7.1	16"	>48"	16"	TS II Drip 0.1
		6-16	C ABK	Fr Mod SE					
		16-48	BC Clay w/ chroma 2's						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	IV
Site LTAR	0.25	0.225

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

COMMENTS: N/A

Updated February 2014

Extend existing lines by 20' each. Add 80' 25% Reduction Natural

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.

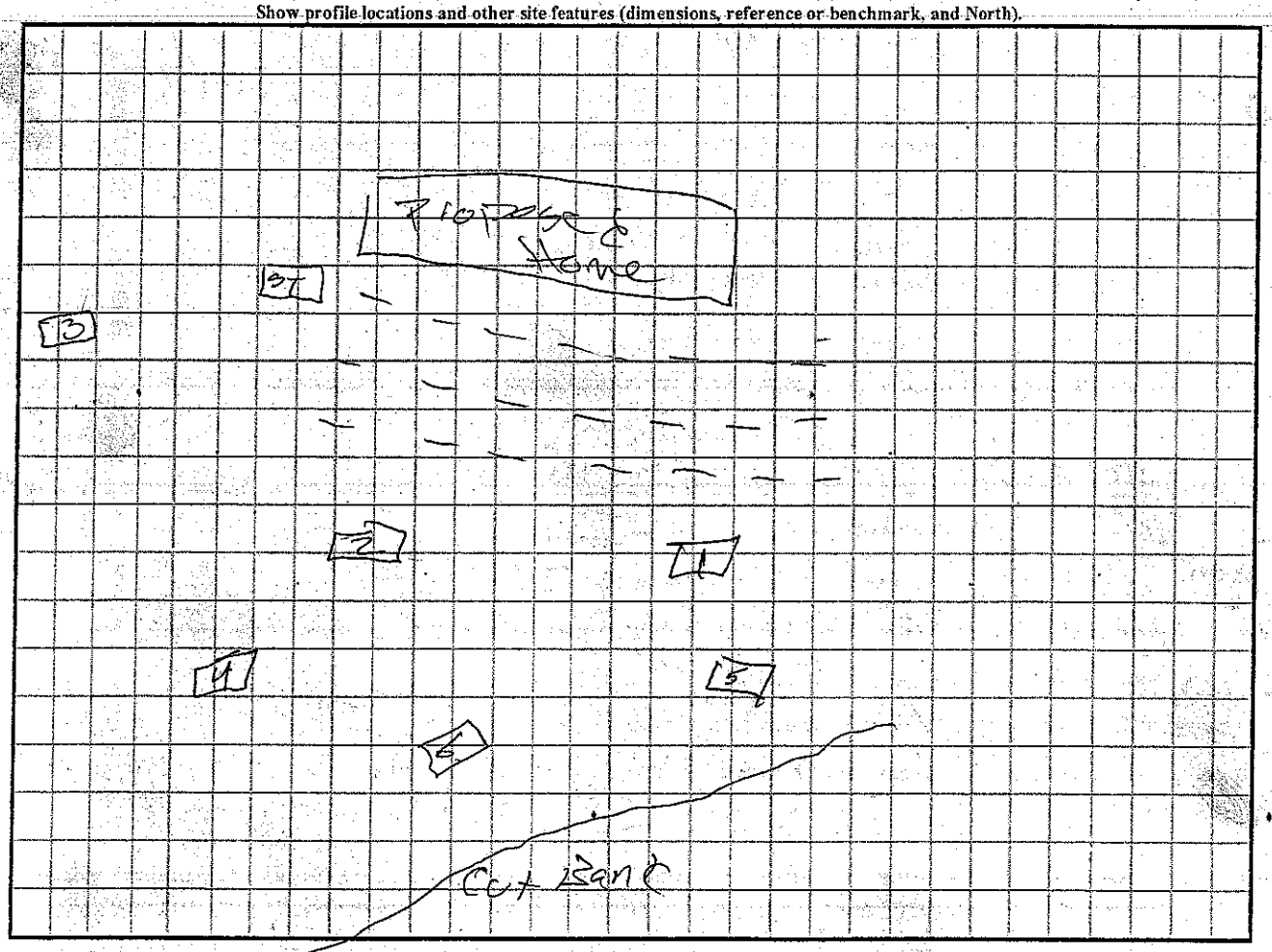
NOTES

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).



SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4771467834
DATE OF EVALUATION: 8-17-15
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	12% HS	0-16	SCL Gr	Fr mod SE	>48"	>48"	>48"	>48"	PS 0.275
		16-36	C ABK	Fi mod SE					
		36-48	BC SAP Incl WABK	Fr mod SE					
6	12% HS	0-9	SCL Gr	Fr mod SE	>48"	>48"	>48"	>48"	PS 0.275
		9-26	C ABK	Fr mod SE					
		26-48	BC SAP Incl WABK	Fr mod SE					

COMMENTS: _____

R 80'
W 67
R 60
B 47

0.25 T
0.275 Repaving