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

Sheet 1 of 2
PROPERTY ID #47602 44905
COUNTY: Iredell

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

OWNER: Joseph Hannerly
APPLICATION DATE 03/06/15
ADDRESS: 128 Enchanted Ln
DATE EVALUATED: 04/15/15
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: .970ac
LOCATION OF SITE: Weather creek to Enchanted
PROPERTY RECORDED: Yes
WATER SUPPLY: [X] Private [ ] Public [X] Well [ ] Spring [ ] Other N/A
EVALUATION METHOD: [X] Auger Boring [X] Pit [ ] Cut
TYPE OF WASTEWATER: [X] 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 4%	0-20	SBkC	fi SE	PS	PS	26"	N/A	PS 0.3
		20-26	WABkCBC	fi/fr SE					
		26-48	mass Sap(1)	fr N/A					
2	L 5%	0-18	ABkC	fi SE	PS	PS	26"	N/A	PS 0.3
		18-26	WABkCBC	fi/fr SE					
		26-48	mass Sap(1)	fr SE					
3	P L 4%	0-5	GrSCL	fr SE	PS	PS	24"	N/A	PS 0.3
		5-18	SBkC	fi SE					
		18-29	WSBkCBC	fi/fr SE					
		29-66	mass Sap(1)	fr SE					
4	P L 5%	0-5	GrSCL	fr SE	PS	PS		5"-20"	PS 0.3 48"TP
		5-29	Platy C	fi SE					
		29-62	WABkCBC	fi/fr SE					
		29-62	Gr Sap(1)	fr N/A					

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: H Snow, A Pruett, J Henderson
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.

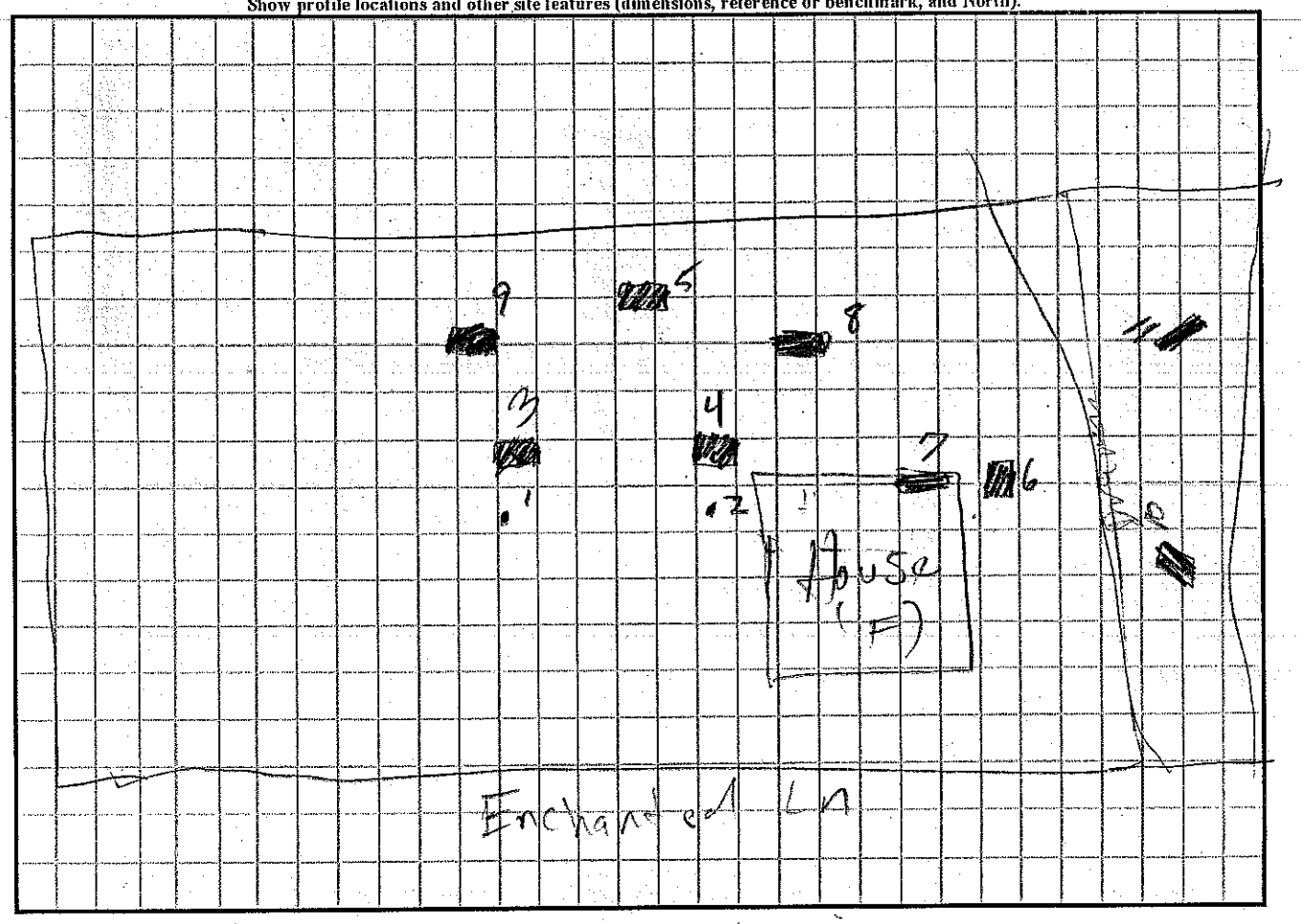
NOTES

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).



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 #: 4760244905
DATE OF EVALUATION: 05/15/15
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	P L 4%	0-27	Fill		PS	PS	N/A	N/A	Fill
		27-62	ABC	fr SE					
6	P L 5%	0-21	Fill		PS	PS	N/A	N/A	PS 0.25
		21-26	Gr SCL	fr SE					
		26-46	SBK C	fr SE					
		46-62	WABK BC	fr/fr SE					
7	P C 4%	0-12	ABK C	fr SE	PS	PS	30"	N/A	PS 0.3 48" TP
		12-30	WSBK BC	fr/fr SE					
		30-75	Mass Sprol	fr N/A					
8	P L 4%	0-27	Fill		PS	PS	N/A	27"-49"	VNS
		27-49	Platy C	fr SE					
		49-72	WSBK BC	fr/fr SE					
		72-80	Mass Sprol	fr N/A					
9	P L 5%	0-16	Compacted Fill		Chroma 2: 25"-29" Platy	PS	N/A	16"-29"	PS 1.3: 48" TP
		16-29	Platy Clay	fr SE					

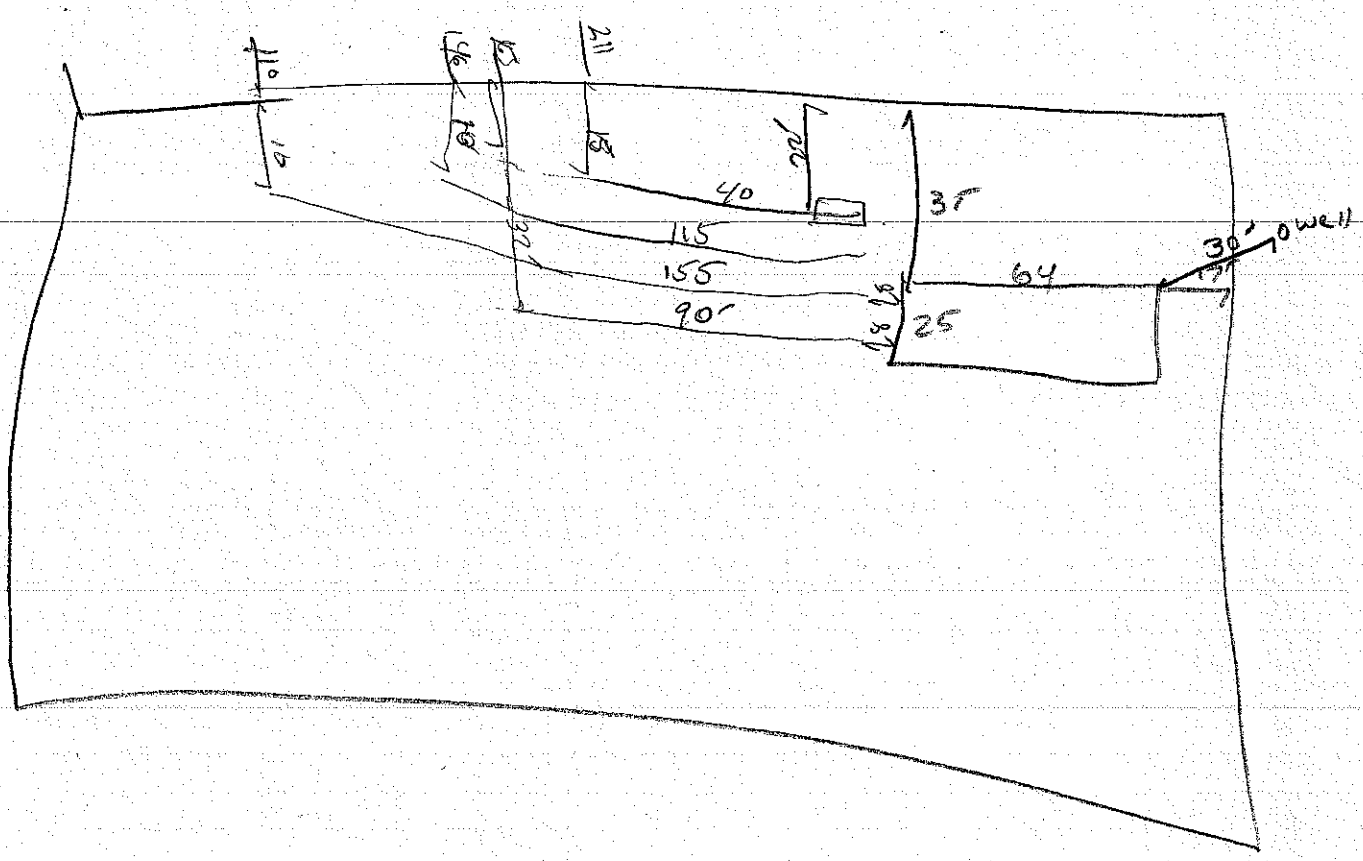
COMMENTS:

10

0-10
SCL
GR
SE
10-17
C fi
SBC
SE
17-53
WSBC
BC
f1/fr
SE

11

0-11
SCL
GR
SI
11-2C
C fi
SBC
SE
2C-5C
WSBC
BC
f1/fr
SE


110'
10'
46'
10'
211'
15'
40'
22'
37'
115'
155'
90'
32'
18'
25'
64'
30'
well