DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 475653050 7
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Ronald Skinner
ADDRESS: 329 N Nixon Rd
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 181 W. Meadowview Dr.
WATER SUPPLY: • Private • (Public) • Well • Spring • Other N/A
EVALUATION METHOD: (Auger Boring) • Pit • Cut
APPLICATION DATE 10-29-14
DATE EVALUATED: 12-12-14
PROPERTY SIZE: 0.42 acres
PROPERTY RECORDED: Yes
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	4% L	0-8	SCL	SBK Fr Mod SE					
		8-29	C	SBK Fi S/SP Mod SE	48"	48"	48"	48"	PS
		29-48	CL	redox WSBK Fr Mod SE					0.25
			Chroma		2.5Y 6,4 2.5Y 7,3				
			3 & 4's						
2	4% L	0-10	SCL	SBK Fr Mod SE					
		10-32	C	SBK Fi S/SP Mod SE	48"	48"	48"	48"	PS
		32-48	CL	redox WSBK Fr Mod SE					0.25
			Chroma	3 & 4's	2.5Y 6,4 7,3				
3	5% L	0-9	SCL	SBK Fr Mod SE					
		9-36	C	SBK Fi S/SP Mod SE	48"	48"	48"	48"	PS
		36-48	CL	WSBK Fr Mod SE					0.275
4	4% L	0-9	SCL	SBK Fr Mod SE					
		9-26	C	SBK Fr Mod SE	46"	46"	46"	46"	PS
		26-48	CL	redox WSBK Fr Mod SE					0.25
			Redox from 36" - 48"						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
vailable Space (.1945)	PS	PS
stem Type(s)	III	IV
e LTAR	0.25	0.25

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

MENTS:

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	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	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)			MOIST	WET
R (Ridge)		SCL (Sandy Clay Loam)				
S (Shoulder Slope)		SiL (Silt Loam)			VFR (Very Friable)	NS (Non-sticky)
T (Terrace)					FR (Friable)	SS (Slightly Sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FI (Firm)	S (Sticky)
		SiC (Silty Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		C (Clay)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)				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)

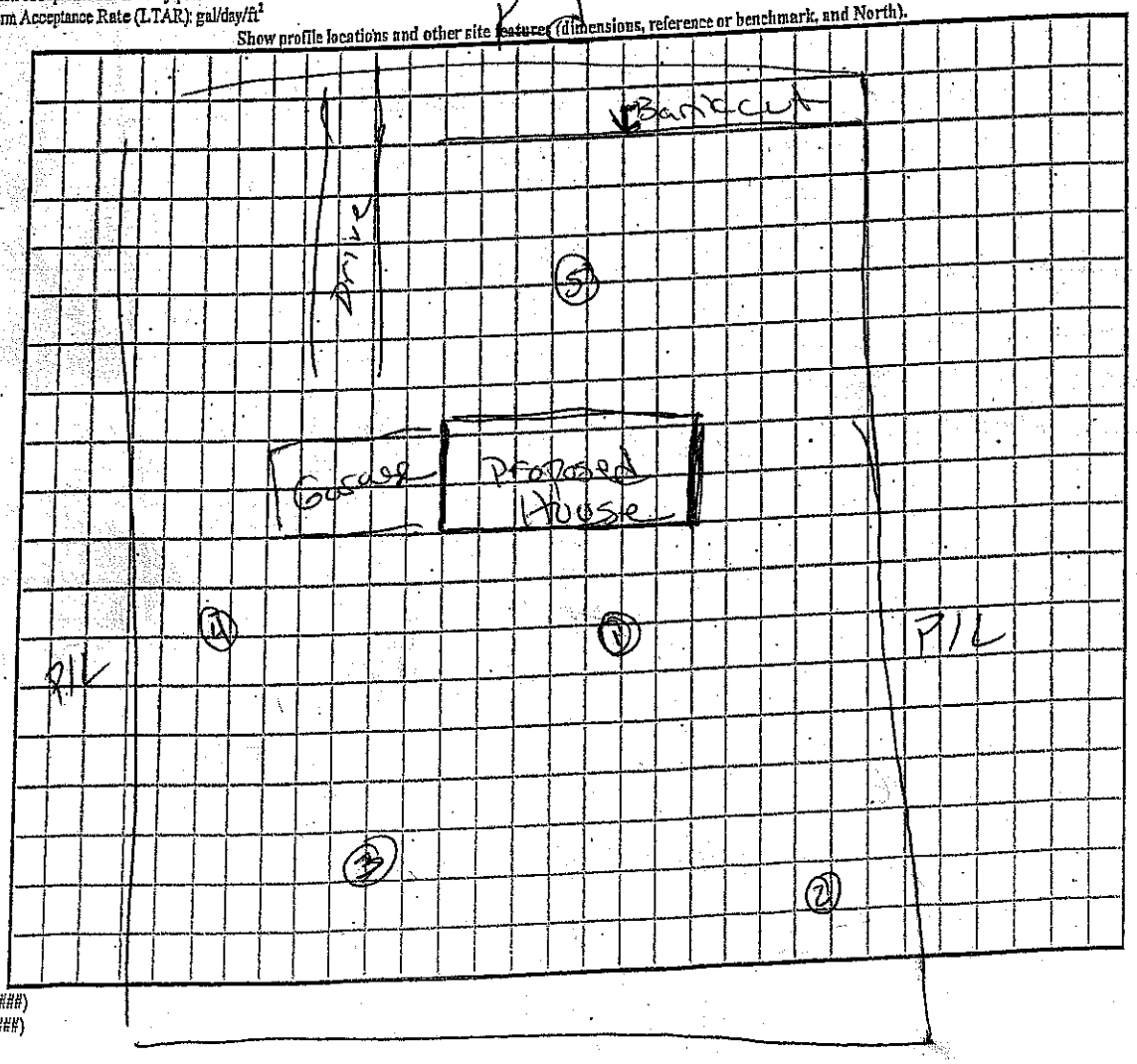
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

CLASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)
Review (#####)

SOIL/SITE EVALUATION

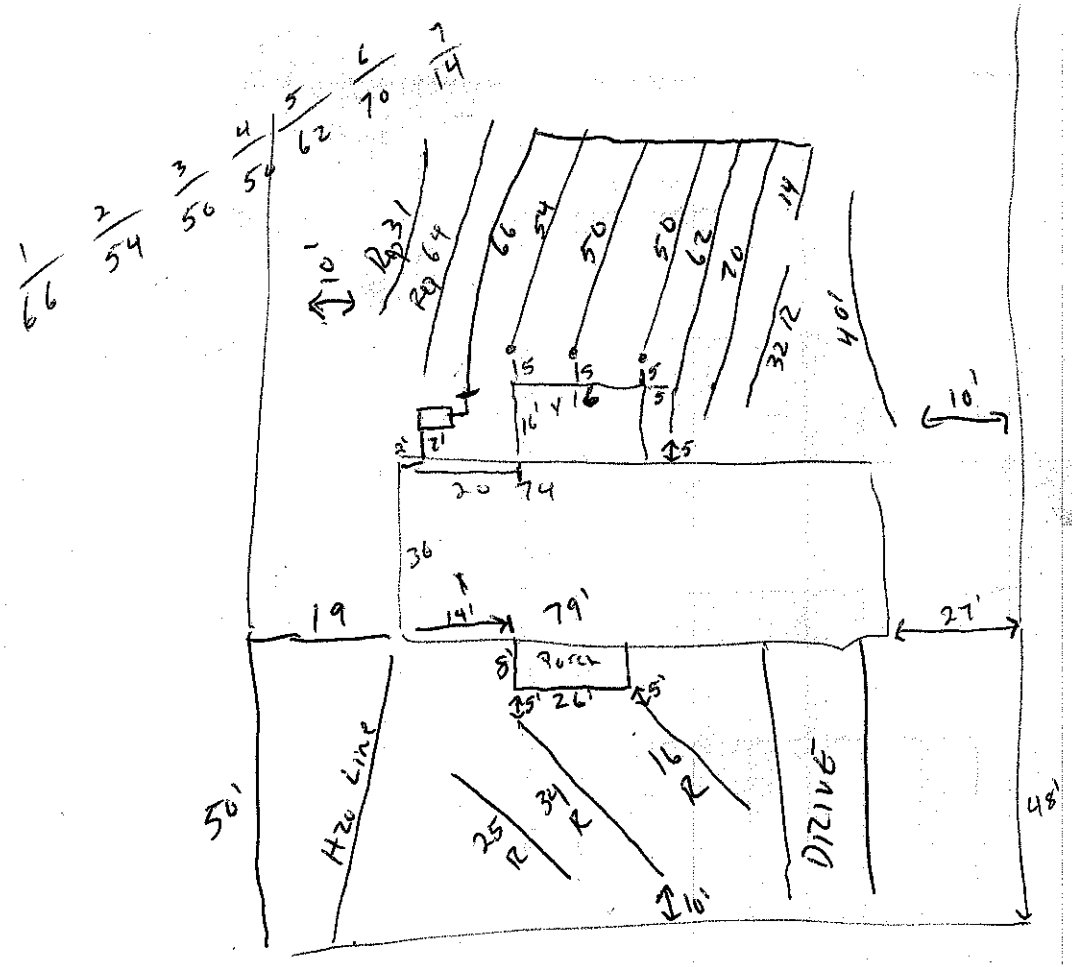
(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 12-12-14
DATE OF EVALUATION: 4756530507
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON 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
		0-9	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS
5	4%	9-28	C SBK	Fi Mod SE					6.25
		28-48	CL redox WSBK	Fr Mod SE	2.5Y				
	L		Chroma	4's	5,4 6,4				

COMMENTS:


1/66
2/54
3/56
4/56
5/62
6/70
7/14
10'
Rd 31
Rd 64
66
54
50
50
62
70
14
32 12
40'
10'
15
15
15
5
16' x 16
12'
5
20
74
36
19
19'
79'
27'
8' Porch
15'
26'
15'
50'
H2o Line
25 R
34 R
16 R
Drive
48'
10'