DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4765817006
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bruce Porter
ADDRESS: 2143 Mocksville Hwy
PROPOSED FACILITY: SFD
LOCATION OF SITE: 240 Low Pine Rd.
WATER SUPPLY: • Private (Public) • Well • Spring • Other N/A
EVALUATION METHOD: • Auger Boring (PIT) • Cut

APPLICATION DATE 6-2-15
DATE EVALUATED: 6-19-15
PROPERTY SIZE: 0.556 acres
PROPERTY RECORDED: YES
PROPOSED DESIGN FLOW (.1949): 360gpd
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	10% slight HS	0-8	SCL compacted	Fr mod SE	>48"	>48"	>48"	>48"	PS 0.25 min Trench Depth 36"
		8-16	C PR	FI					
		16-48	BC sap incl wase	Fr mod SE					
2	10% slight HS	0-12	SCL Compacted		>48"	>48"	>48"	>48"	PS 0.25
		12-27	C V/B mottles SABK	Fr mod SE					
		27-48	BC sap incl wase	Fr mod SE					
3	3% L	0-10	compacted		>48"	>48"	>48"	>48"	PS 0.25
		10-26	C V/B mottles SABK	Fr mod SE					
		26-48	BC sap incl SABK	Fr mod SE					
4	3% L	0-12	Compacted		>48"	>48"	>48"	>48"	PS 0.25
		12-35			2.5Y 6/6				
		35-48	BC wase	Fr Mod SE	2.5Y 7/6				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
ailable Space (.1945)	PS	PS
tem Type(s)	LPP	LPP
LTAR	0.25	0.25

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

MENTS: TB @ 36" High SAe

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)				
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.

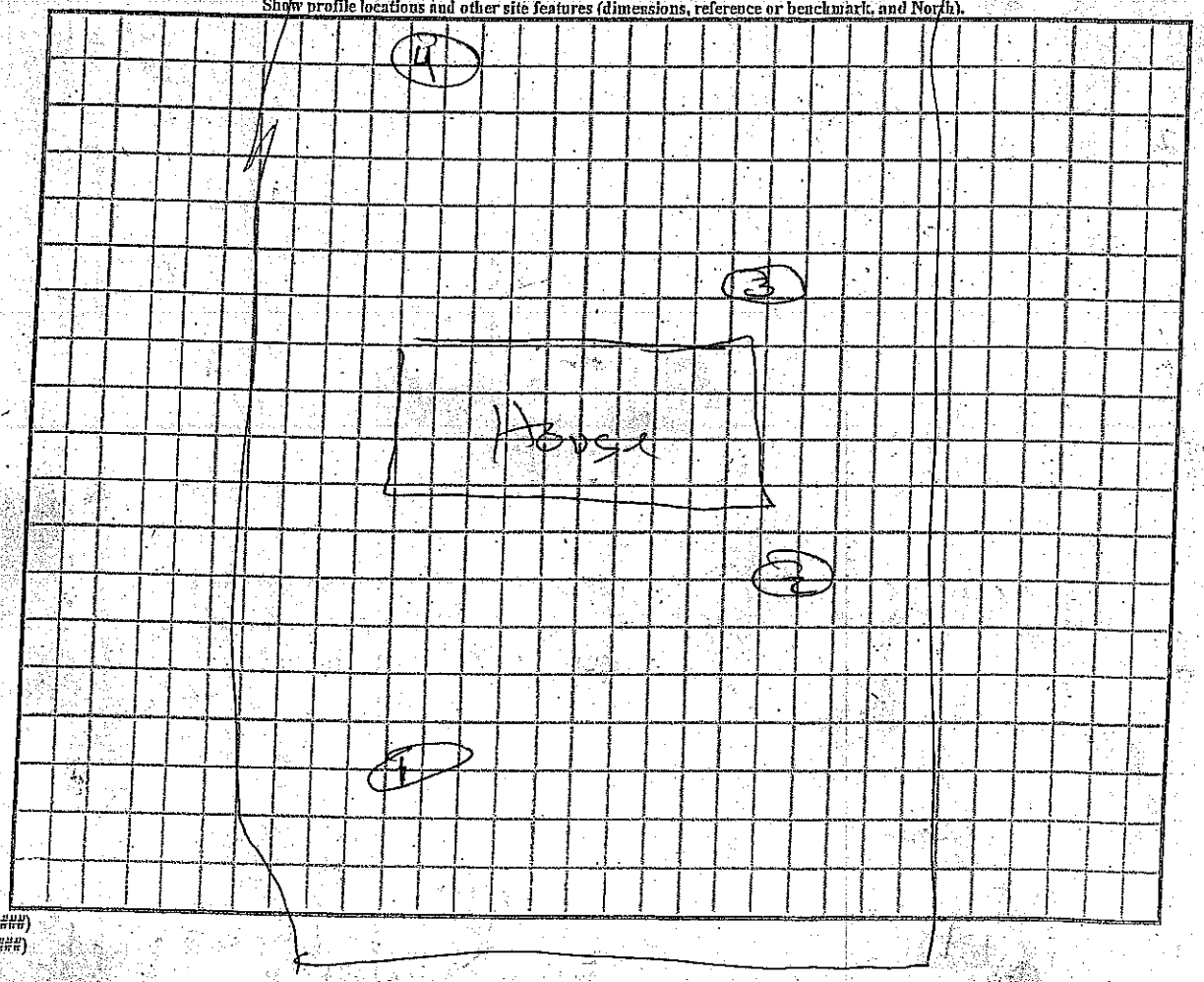
NOTES

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)

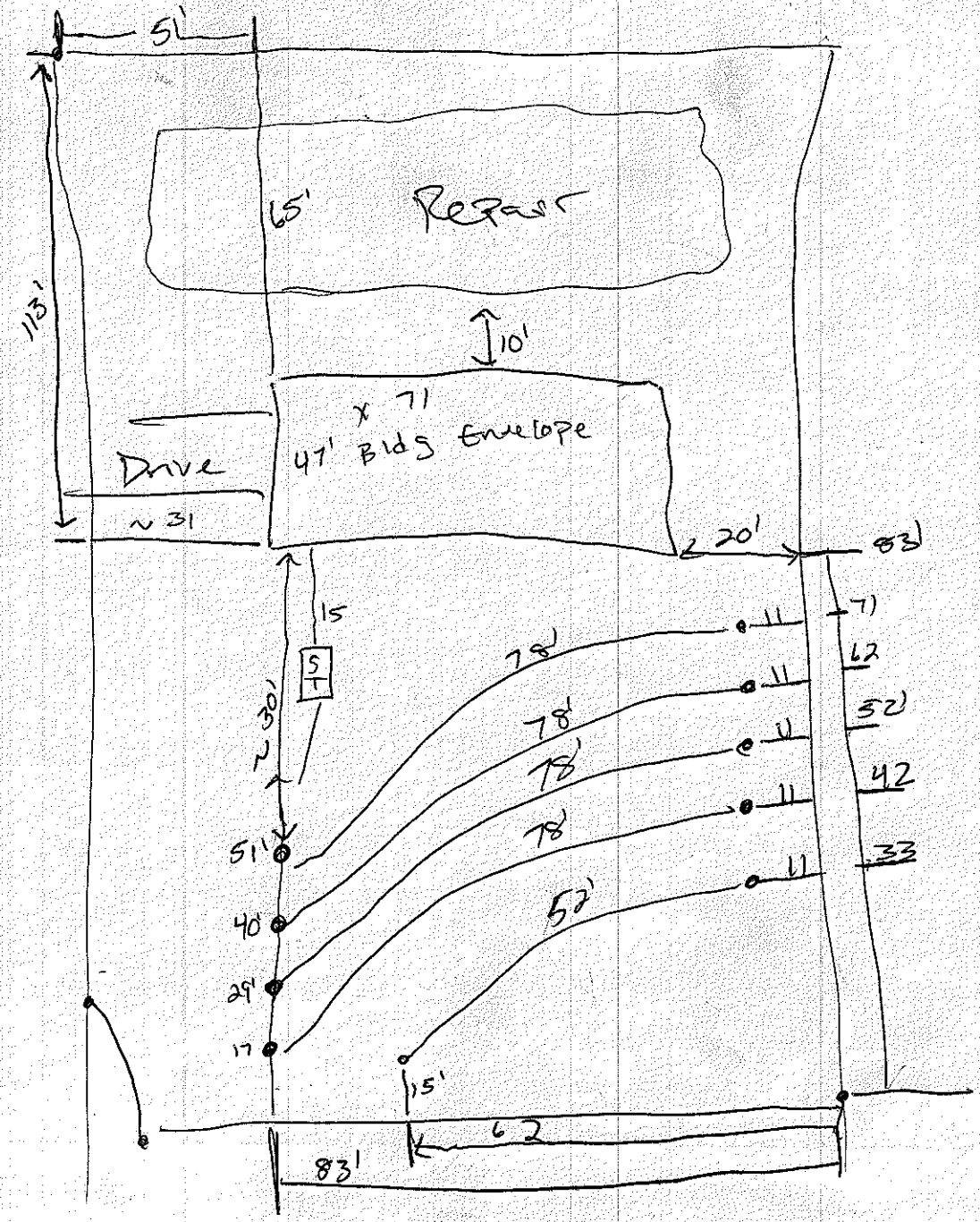
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



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


51'
65'
Repair
113'
10'
x 71
47' Bldg Envelope
Drive
~ 31
20'
83'
15
ST
~ 30'
51'
40'
29'
17'
78'
78'
78'
78'
57'
11
11
11
11
11
71
62
52'
42
33
15'
62
83'