DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4759346332
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Scottie Driver
ADDRESS: PO Box 72 Turnersburg
PROPOSED FACILITY: SFD
LOCATION OF SITE: 802 Tomlin Mill Rd.
WATER SUPPLY: (Well) • Public • Well • Spring • Other
EVALUATION METHOD: (Auger Boring) • Pit • Cut

APPLICATION DATE 7.14.15
DATE EVALUATED: 7-23-15
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 5.060 acres
PROPERTY RECORDED: Yes
TYPE OF WASTEWATER: (Sewage) • Industrial Process • Mixed N/A

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% NS	0-8	SCL SBK	F Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		8-30	C mica SBK	FR Mod SE					
		30-48	BC mica WSBK	F Mod SE					
2	12% NS	0-8	SCL SBK	F Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		8-26	C mica SBK	FR Mod SE					
		26-48	BC mica WSBK	F Mod SE					
	10% NS	0-9	SCL SBK	F Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		9-22	C mica SBK	FR Mod SE					
		22-48	BC mica WSBK	F Mod SE					
	12% NS	0-6	SCL SBK	F Mod SE	>48"	40"	40"	@40"	PS 0.225
		6-20	C coarse fragments/mica SBK	FR Mod SE					
		20-40	BC mica WSBK	F Mod SE					
		40-48	SAP						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
lable Space (.1945)	PS	PS
m Type(s)	TT	TT
TAR	0.3	0.225

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

ENTS: I - TB @ 36" R - TB @ @28"

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	SOIL 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)			EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)	None	None		SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

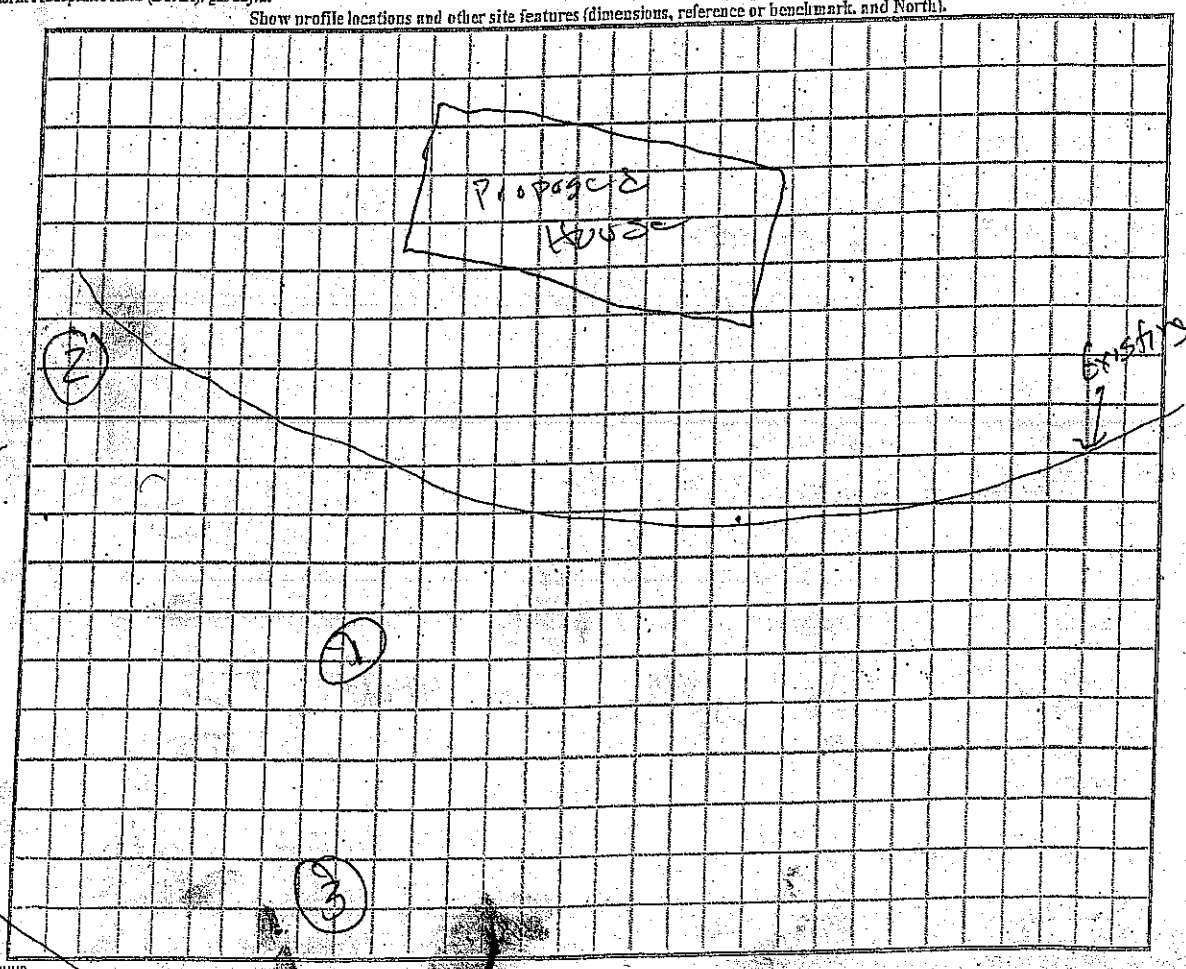
NOTES

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)

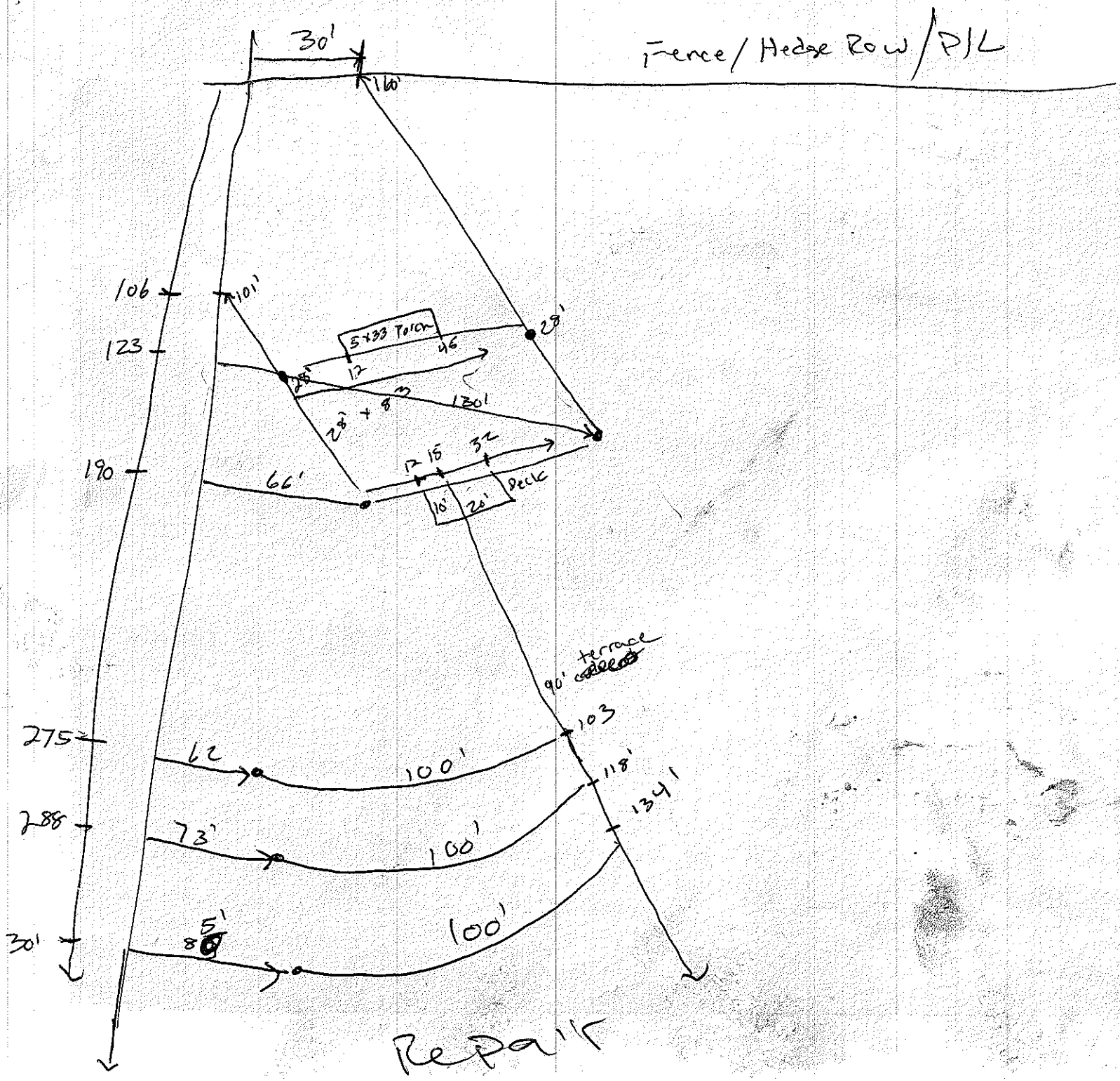
Evaluation of saprolite shall be by pits.

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

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



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


Fence / Hedge Row / P/L
30'
160'
106'
101'
123'
5x33 Torch
46'
28'
12'
8'
130'
28' + 8'
190'
66'
12'
15'
32'
10'
20'
Deck
90' terrace
103'
275'
12'
100'
118'
288'
73'
100'
134'
30'
5'
8'
100'
Repair