DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4715538553
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: PMH Investments
ADDRESS: PO Box 5475 Statesville
PROPOSED FACILITY: SFD
LOCATION OF SITE: 149 Deaver Ln.
WATER SUPPLY: • Private • (Public) • Well • Spring • Other N/A
EVALUATION METHOD: • (Auger Boring) • Pit • Cut

APPLICATION DATE: 8-27-15
DATE EVALUATED: 10-29-15
PROPOSED DESIGN FLOW (.1949): 480gpd
PROPERTY SIZE: .681 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	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	6% NS	0-18	C micc SBK	Fr mod SE	+35"	35"	35"	35"	PS 0.3
		18-35	BC sap Incl wSBK	Fr mod SE					
		35	Rock						
2	9% NS	0-12	SCL SBK	Fr mod SE	+48"	+18"	+48"	+18"	PS 0.3
		12-24	C micc SBK	Fr mod SE					
		24-48	BC sap Incl wSBK	/ micc Fr mod SE					
3	6% NS	0-20	C micc SBK	Fr mod SE	+45"	45"	45"	45"	PS 0.3
		20-45	BC micc/sap Incl wSBK	Fr mod SE					
		45	Rock						
4	11% NS	0-23	C SBK	Fr SE	+48"	23"	23"	23"	PS 0.15 PRIP
		23-48	C/CR SBK	Fr/vFr SE/MA					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
lable Space (.1945)	PS	PS
m Type(s)	III	V
TAR	0.3	0.15

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Justin Rhodes & Heath Snow
OTHER(S) PRESENT:

ENTS: TB @ 23"

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4715538553
DATE OF EVALUATION: 10-29-15
COUNTY: Iredell

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	13% NS	0-26	C SYBIC	Fi SE	+48"	26"	26"	26"	PS 0.15 DRIP
		26-30	C+CR SYBIC	Fi/uFi SE/MH					
		30-48	BC USYBIC	Fi/V SE					
PIT 6		0-7	SCL SBIC	F Mod SE				59"	PS 0.25
		7-36	C ABIC	Fi Mod SE					
		36-39	BC Few Rock Rock controlled Fr	Enclusions					
		39	ROCK						
	T Done @ time of installation to approve								

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	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.

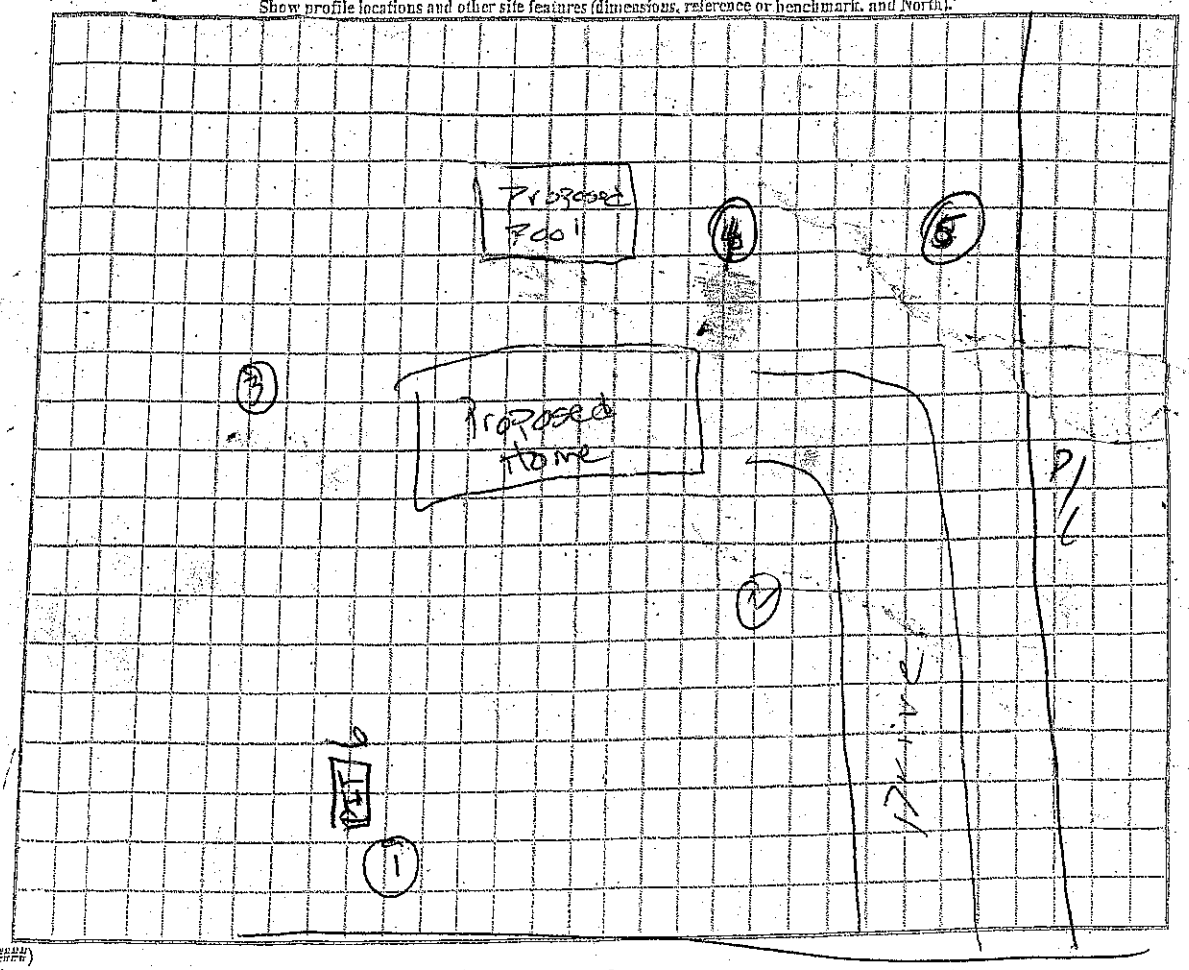
NOTES

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)

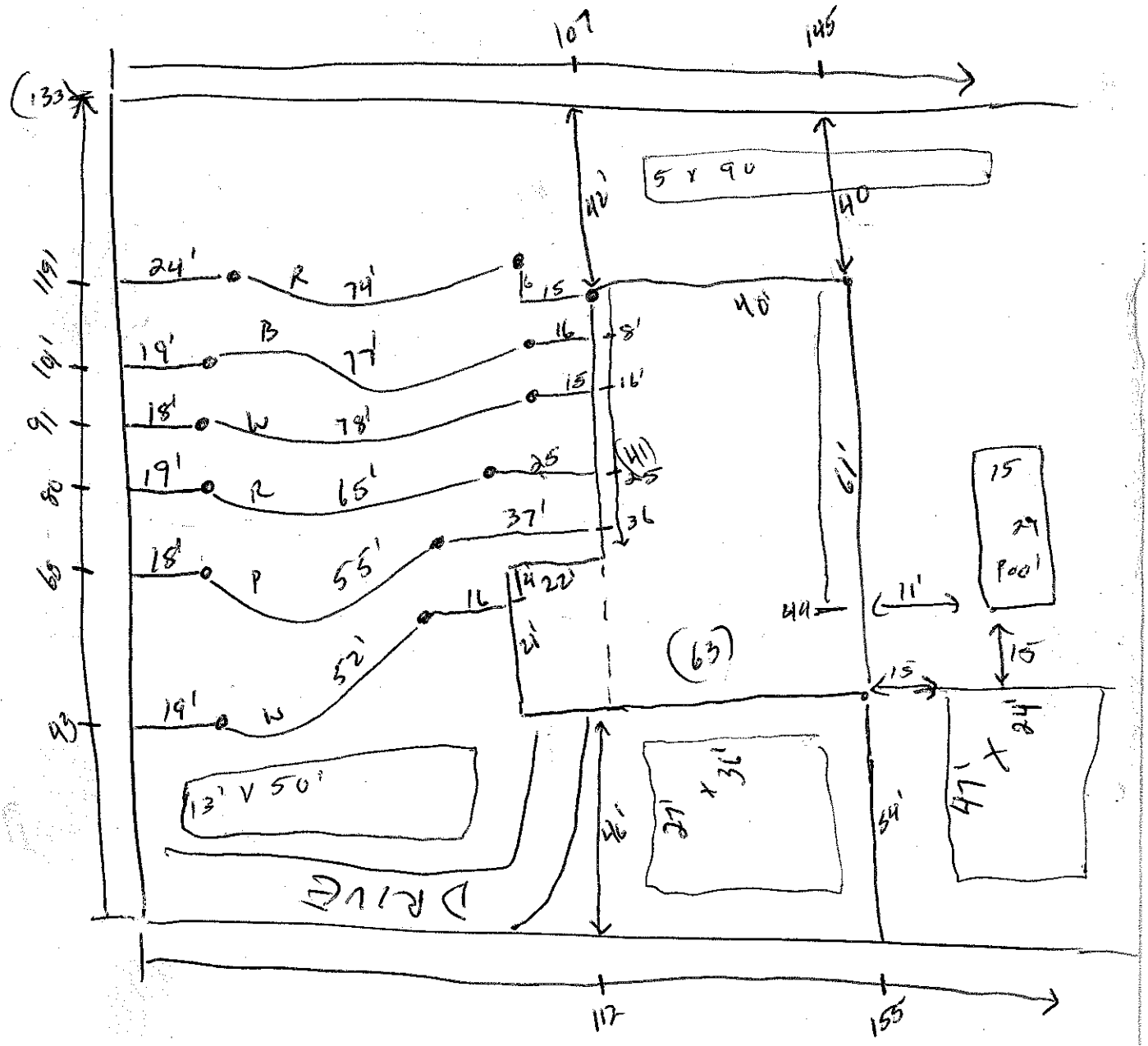
Evaluation of saprolite shall be by pits.

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

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



DENR (Reviewer)
Review (Reviewer)



R 74
77
N 78
65
55
52
S 3
R
R 55
52
S (50)

6' x 40'
34' x 47'
13' x 50'

1778'

2750