DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4776267175
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Rick Mcosh
ADDRESS: 8149 Seven Springs LP
PROPOSED FACILITY: SFD
LOCATION OF SITE: 931 River Hill Rd.
WATER SUPPLY: • Private • (Public) • Well • Spring • Other
EVALUATION METHOD: • (Auger Boring) • Pit • Cut

APPLICATION DATE: 7-16-15
DATE EVALUATED: 8-3-15
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 0.47acres
PROPERTY RECORDED: Yes
N/A
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% L	0-6	SCL SBK	Fr mod SE	48"	48"	48"	48"	PS 0.25
		6-24	C ABK	Fr Mod SE					
		24-48	BC WABK	Fr Mod SE					
2	10% L	0-7	SCL SBK	Fr mod SE	48"	48"	48"	48"	PS 0.275
		7-30	C mag deposits SBK	Fr mod SE					
		30-48	BC mica WSBK	Fr mod SE					
	6% L.	0-7	SCL SBK	Fr mod SE	48"	48"	48"	48"	PS 0.25
		7-24	C ABK	Fr mod SE					
		24-48	BC WABK	Fr Mod SE					
	8% L	0-7	SCL SBK	Fr mod SE	48"	48"	48"	48"	PS 0.275
		7-23	C ABK	Fr mod SE					
		23-48	BC WABK	Fr mod SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
lable Space (.1945)	PS	PS
m Type(s)	II	II
TAR	0.25	0.25

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

ENTS:

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)			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.

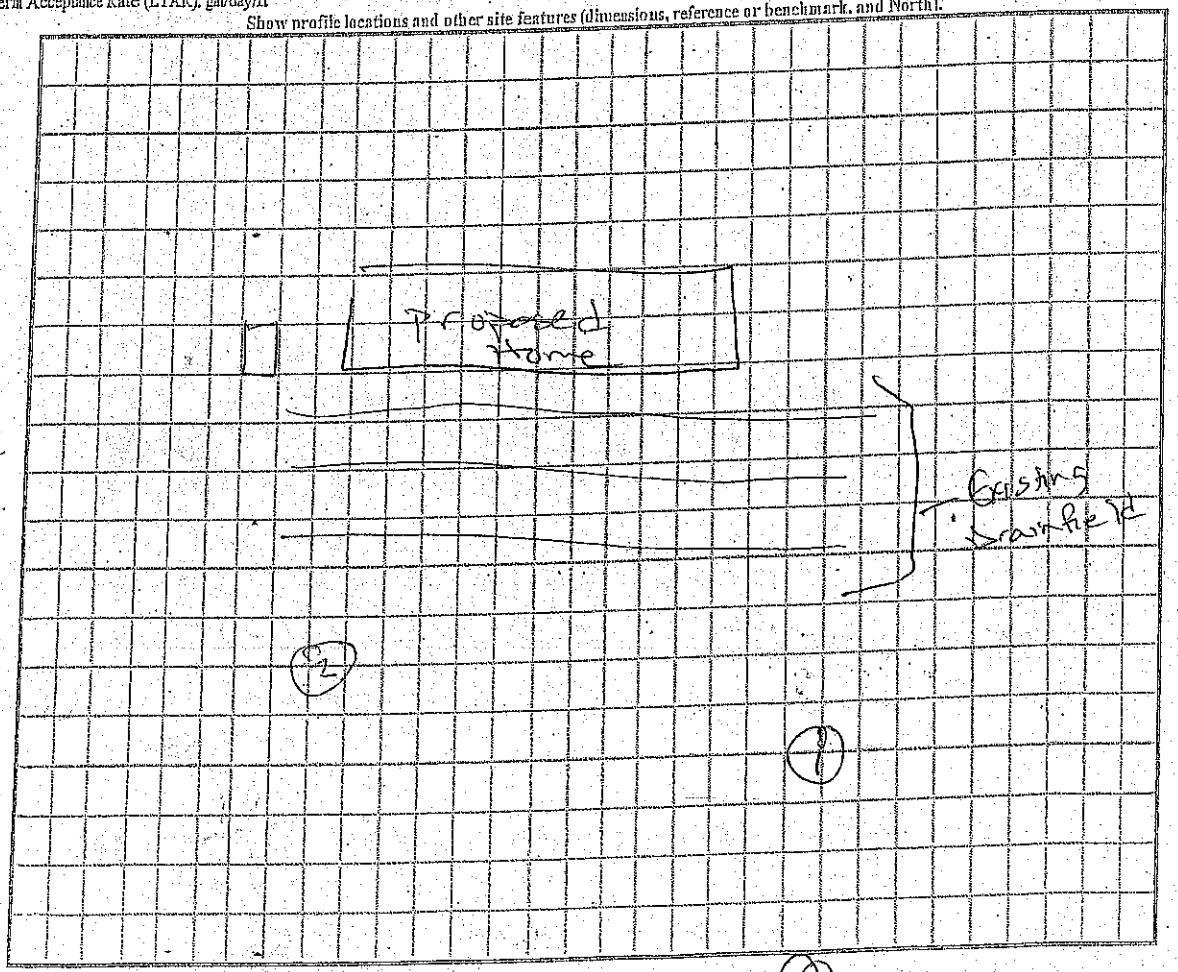
NOTES

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)

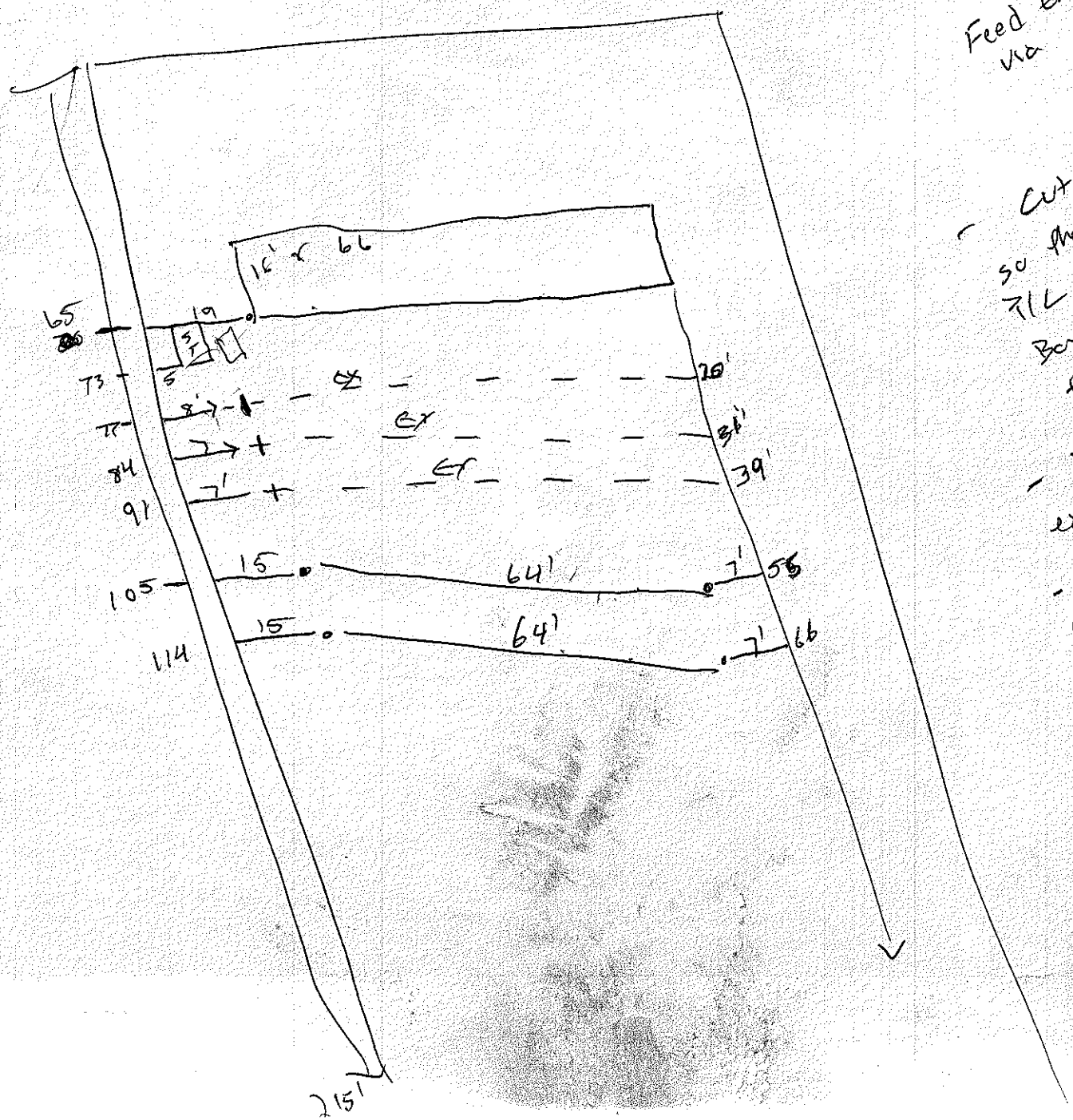
Evaluation of saprolite shall be by pits.

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

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



DENR (REVIEWER)
Review (REVIEWER)



Feed entire system via series dist.

- Cut existing lines so they are 10' from T/L + set a Drop Box on each existing line
- Pump + crush existing S.T.
- set new S.T. @ location shown