ON-SITE WASTEWATER SECTION

Sheet PROPERTY ID #: 4727824010
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Margaret White (Custom Homes by Lisa: Applicant) APPLICATION DATE 5-21-15
ADDRESS: 517 Stinston Court Statesville NC DATE EVALUATED: 07/20/15
PROPOSED FACILITY: 3 Bedroom House PROPOSED DESIGN FLOW (.1949): 360gpd PROPERTY SIZE: 0.593 acres
LOCATION OF SITE: 124 Fay Lane Statesville NC PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other N/A
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut 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	Shoulder 5-6%	0-17	Sandy clay loam SBK	loose, NP, SS, SE	w/mica flakes @ 26"	PS	W/A	W/A	0.3
		17-26	Clay SBK	Sl. sticky Firm, NP, SS, SE					
		26-49	Clay Loam SBK	Friable, NP, SS, SE					
2	Shoulder 5-6%	0-6	Sandy clay loam SBK	loose, NP, SE, SS	w/mica flakes @ 20"	PS	W/A	W/A	0.3
		6-17	Clay SBK	Firm, NP, SE, Sticky					
		17-49"	Clay Loam SBK	Friable, NP, SS, SE					
3	Shoulder 4-5%	0-10	Sandy clay loam SBK	loose, NP, SE, SS	saphrolite floater @ 45"	PS	W/A	W/A	0.25
		10-36	Clay SBK	Firm, NP, SE, Sticky					
		36-49"	clay loam SBK	Friable, NP, SE, SS					
4	Shoulder 4-5%	0-11"	Sandy clay loam	loose, NP, SE, SS		PS	W/A	W/A	0.3
		11-30"	clay SBK	slightly firm, NP, SE, Sticky					
		30-48"	Heavy clay loam SBK	Slightly Firm Friable, NP, SE, SS					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	40' x 60' 5x 60'	5x 80'
System Type(s)	Conventional Chambers [25% reduction]	Conventional Chambers
Site LTAR	0.3	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: Heath Snow

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)			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.

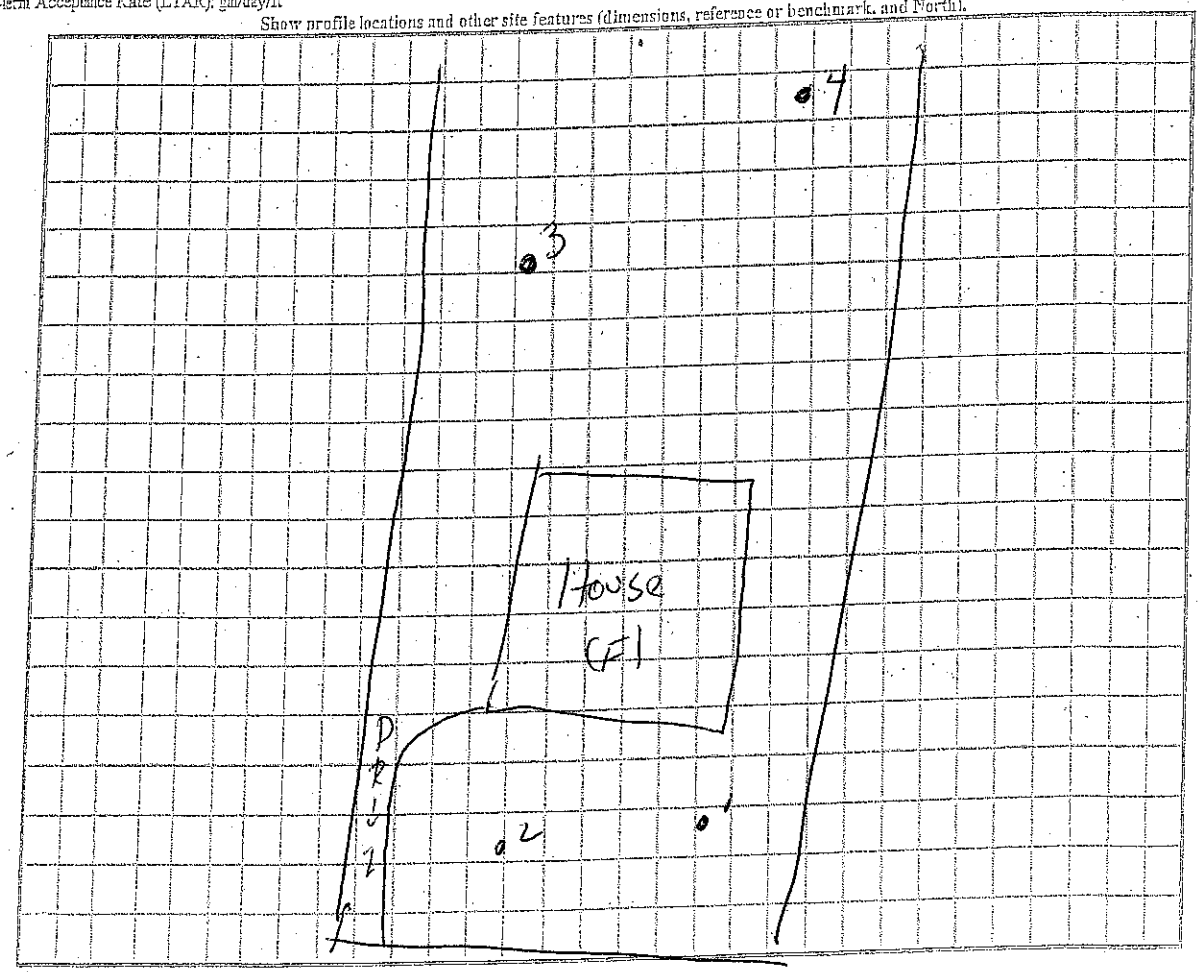
NOTES

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

Foy Cn