DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IREDELL

4626-33 3236

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: GARY JACOBS
ADDRESS:
APPLICATION DATE
DATE EVALUATED: 9-2-11
PROPOSED FACILITY: 6 BR HOUSE PROPOSED DESIGN FLOW (.1949): 720
PROPERTY SIZE: 1.035 AC
LOCATION OF SITE: WATERTREE LANDING Ø2 L 22 & 23
PROPERTY RECORDED: YES
WATER SUPPLY: • Private • Public • Well • Spring • Other
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	R 0%	0-12	MMABK C	VFI SS/NP EXP	1 2.5Y 6/2 PERCHED	U	U @ 25" 51" PS @ 51" +	NA	U - NEED SATURATED HYDRAULIC CONDUCTIVITY
		12-25	MCABK SAPMX C	EFI SS/NP EXP					
		25-51	M CL-SAP	FR SS/NP EXP					
		51-84+	GR L-SAP	FR SS/NP EXP					
2	L 10%	0-20	FILL MATERIAL		5Y 8/1 @ 29"+	U	U @ 20"-48" PS @ 48"-84"+	NA	U NEED SATURATED HYDRAULIC CONDUCTIVITY
		20-38	M-SCL-SAPROLITE EXP						
		38-48	M SCL-SAPROLITE - SEAP						
		48-84"	GR SL-SAPROLITE - SEAP						
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	[illegible]	U
System Type(s)		—
Site LTAR		—

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): U
EVALUATED BY: S. HEDRICK, MARIA DOTSON
OTHER(S) PRESENT: KURT DUNNING, GARY JACOBS, J.S. MORSE, SCOTT HUDSON, ET.AL.

COMMENTS: NEED HYDRAULIC CONDUCTIVITY per .1956(7)(a)(vi)

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None	MOIST VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	WET NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

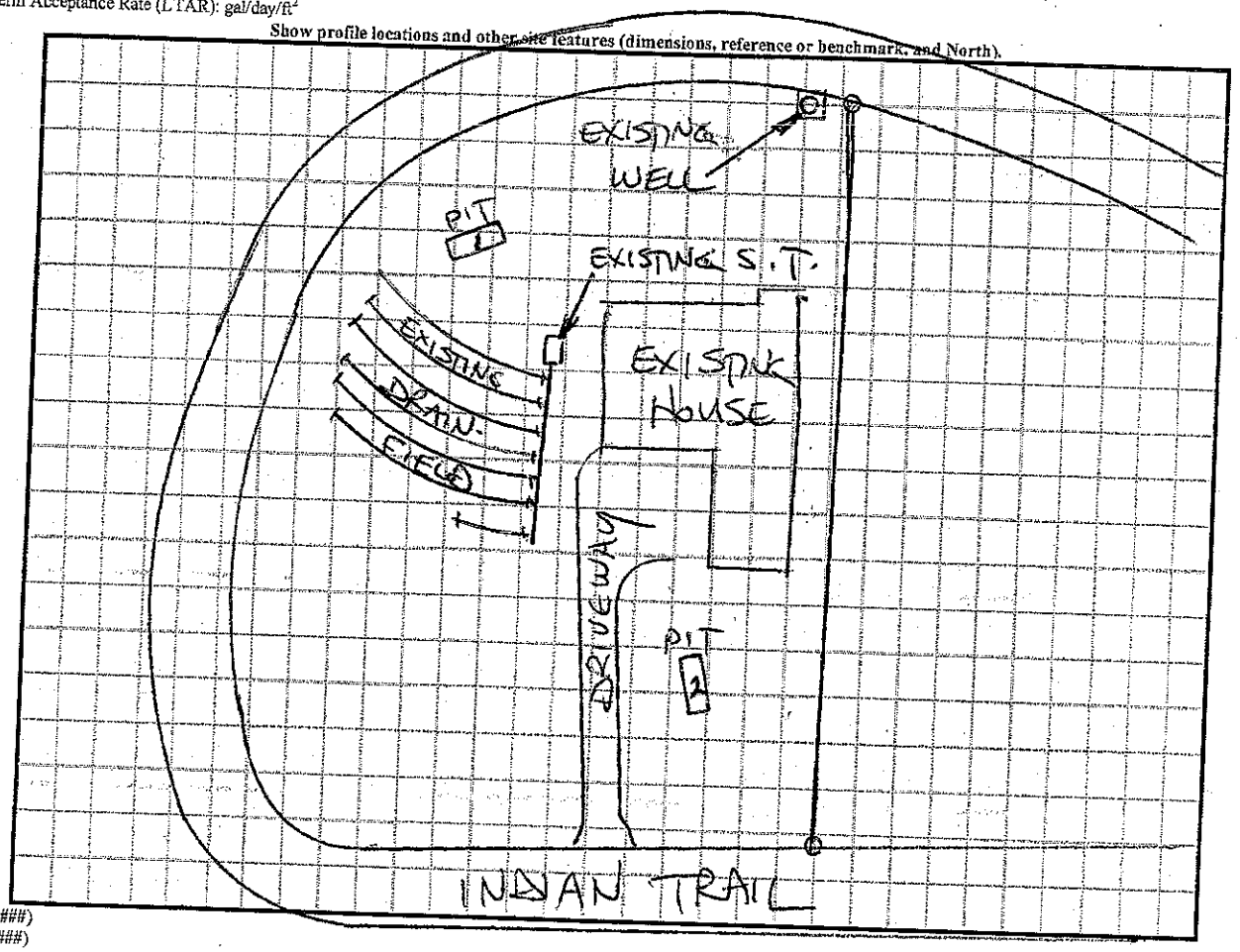
*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

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 (#####)