DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 476323-6068-A
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: JONNA MURNICK — APPLICATION DATE 2-4-05
ADDRESS: 270 NABORS RD, STVL, NC 28677 — DATE EVALUATED: 4-6-05
PROPOSED FACILITY: 4 BR W/ BMT — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 3.587 ACRES
LOCATION OF SITE: US 70 E, TR NABORS RD, 0.4 MILE ON LEFT — PROPERTY RECORDED: ____
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	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	H 182	0-2	WFSBK SiL	VFR SS/SP SOAP			U @ 27"+		U
		2-16	MFSBK C	FR SS/SP SOAP					
		16-27	WFSBK MIX SAP SCL	FR SS/NP SOAP					
		27-48	WFABK SAP SCL	VFR NS/NP SOAP					
2	N 112	0-2	WFSBK SiL	VFR SOAP			U @ 32"+		U
		2-10	MFSBK C	FR SS/SP SOAP					
		10-20	MFSBK SAP C MIX	FR SS/SP SOAP					
		20-32	WFSBK C	FR SS/SP SOAP	10YR 8/1 20"-32"+				
		32-48	WFSBK SAP LOAM CL	VFR SS/NP SOAP					
3	H 62	0-19	WFSBK C	FR SOAP					PS 0.3
		19-24	WFSBK C	FR SS/SP SOAP	10YR 6/6				
		24-48	WFSBK C	FR SOAP	10YR 6/4				
4	L 82	0-26	WFSBK C	FR SS/SP SOAP			U @ 42"+		
		26-42 MIX SAP	WFSBK MIX SAP C	FR SS/SP SOAP					
		42-48	WFSBK SAP CL	FR SS/SP SOAP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	S
System Type(s)	III	III
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: STEVE HEDRICK
OTHER(S) PRESENT: REX BELL, DANIEL MCNEIL

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.

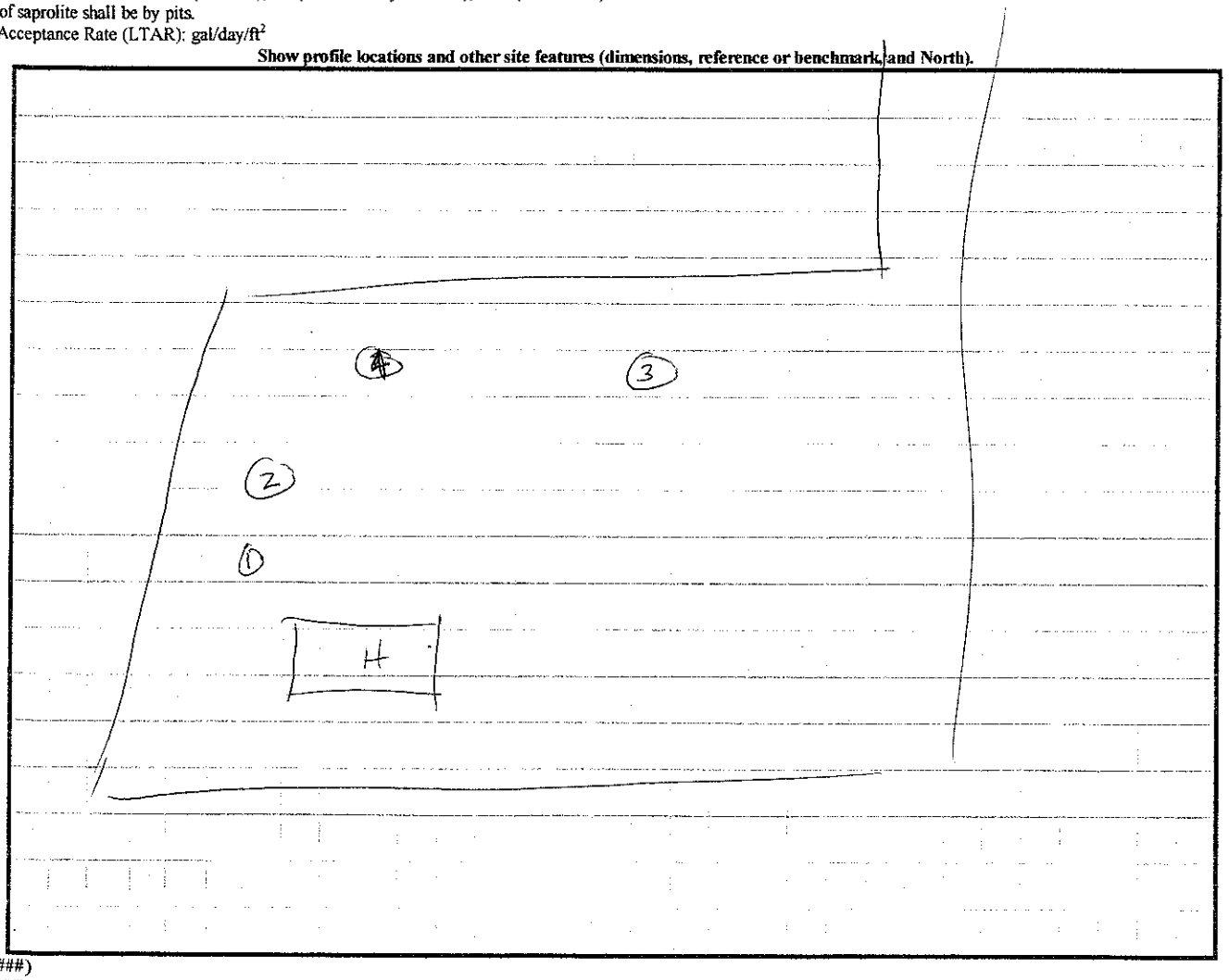
NOTES

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/ft^2

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



DENR (######)

Review (#####)