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

Sheet 1 of _
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Augusta Dev. LLC
ADDRESS: 130 Lazy Ln Mooresville
APPLICANT: John Craver
APPLICATION DATE: 9-5-05
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480gpd
DATE EVALUATED: 9-20-05
LOCATION OF SITE: Lot 39
PROPERTY SIZE: .942
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other City
PROPERTY RECORDED:
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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	LS 5-10% #1	0-45	Red Clay SBK→WSBK	F→Fri SS/SP (SEXP)		45"	Few SAP clinct PS.		.3 .4 (.3)
		45-68	VAR SL SAP Mass.	Fri NS/NP (WEXP)					
2	LS 5-10% #2	0-5	Br SCL WSBK	Fri SS/SP (SEXP)		62"			.3 .3 .4 (.3)
		5-40	R. Clay SBK/ABK	F→Fri. S/P (SEXP)					
		40-62	R. Hvy SCL SBK→WSBK	Fri SS/SP (SEXP)					
		62-65	VAR SL SAP Mass.	Fri NS/NP (WEXP)					
3	LS 5-10% #3	0-13	R.Br. SCL WSBK	Fri SS/SP (SEXP)		60"	Few SAP clinct		.3
		13-39	R Clay SBK	F→Fri S/P (SEXP)					
		39-60	R. Silty Clay Loam WSBK	Fri SS/SP					
4	LS 5-10% #4	0-12	R.Br SCL WSBK	Fri SS/SP (SEXP)	Common Mn Conc	60"			.25 .3 (.25)
		12-45	R Clay SBK	F→Fri SS/SP (SEXP)					
		45-60	R Clay SBK	F→Fri SS/SP (SEXP)					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200ft²	880ft²
System Type(s)	III's	Panel Block
Site LTAR	.3	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): P.S.
EVALUATED BY: M.A.
OTHER(S) PRESENT:

COMMENTS: _____

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) SLC (Silt Loam Clay)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
	IV	SC (Sandy Clay) SIC (Silty Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)
		O (Organic)	None			

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).

