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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell
3793-54-4275

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Augusta Developer, LLC APPLICANT: CRAVER
ADDRESS: 136 Lazy Ln Mooresville NC 28677 APPLICATION DATE: 5-5-05 DATE EVALUATED: 6-28-05
PROPOSED FACILITY: 4 Br PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: 24,664.16 ft²
LOCATION OF SITE: Lot 6 Augusta Green S D 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	.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% Pit #1	0-36	R. AB→WSBK Clay	F→Fri SIP (SEXP)	—	36" Wavy Boundary	PS	N/A	.3 / .4
		36-60	Variegated, Mass SL	Fri NS/NP (NEXP)					
			SAP.						
2	LS 5% Pit #2	0-42	Red SBK Clay	F→Fri SIP (SEXP)	—	42" Wavy Boundary	PS	N/A	.3 / .4
		42-60	Variegated, Mass. SL	Fri NS/NP (NEXP)					
			SAP						
3	LS 5% Auger Borings #1	0-26	R. SBK Clay	F→Fri SIP (SEXP)	—	48"	Few SAP chnel.	N/A	.3
		26-48	R WISBK Clay	Fri SIP (SEXP)					
4	LS 5% Augr Borings #2	0-30	R. SBK Clay	F→Fri SIP (SEXP)	—	48"	Few SAP chnel.	N/A	.3
			R WISBK Clay	Fri SIP (SEXP)					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200ft²	534 ft²
System Type(s)	III @ 25%	Panel
Site LTAR	.3	.3

OTHER FACTORS (.1946): 24" Trench Bottom (Suggested)
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M Altman
OTHER(S) PRESENT: NO CRAVER

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 Bloc 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).

