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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IRD

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: KAREN Mathiansen
APPLICANT: KAREN Mathiansen
ADDRESS: Greensboro NC
APPLICATION DATE: 8-27
DATE EVALUATED: 8-20
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480gpd
PROPERTY SIZE: .72 AC
LOCATION OF SITE: Lot 2 Brandy School Rd 2604
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 5-10% Pit	0-8	Br SCL WSBK	Fri SS/SP (SEXP)		36"	P.S.		.3
		8-36	R. Clay SBK	F→Fri SS/SP (SEXP)					
		36-60	Red Yell. SL SAP Mass	Fri SS/SP (SEXP)					
2	LS 5-10% Pit	0-9	Br SCL WSBK	Fri SS/SP (SEXP)		48"	Few SAP incl		.3
		9-31	Red Clay SBK	F→Fri SP (SEXP)					
		31-48	Red Yell Clay Loam WSBK	Fri SS/SP (SEXP)					
3	LS 5-10% Augr Boring	0-10	Br SCL WSBK	Fri SS/SP (SEXP)		48"	Few→Com SAP incl		.3
		10-42	Red Clay SBK	F→Fri S/P (SEXP)					
		42-48	Red Yell Clay Loam WSBK	F→Fri SS/SP (SEXP)					
4	LS 5-10% Pit	0-7	Br SCL WSBK	Fri SS/SP (SEXP)		48"	Few→Com SAP incl		.3
		7-48	Red Clay SBK→WSBK	F→Fri SS/SP (SEXP)					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	540 ft²	636 ft²
System Type(s)	PPBPS	PPBPS
Site LTAR	.3 gpd/ft²	.3 gpd/ft²

OTHER FACTORS (.1946): EXISTING SEPTIC / BED SYSTEM.
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M Athanas LSI
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).

