

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Signature Homes DATE EVALUATED: 4-28-25
ADDRESS: 29 Croatoke Ct
PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: Public Single Family Well Shared Well Spring Other WATER SUPPLY SETBACK: _____
EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Domestic High Strength IPWW

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1/ 2/ 3	2-3% LS	0-22	SL, gr		7.5/R 7/2 = 40"	48"			.35	
		22-40	SCL, SBK	Fr, SS, NP, SE						
		40-48	CL, v. SBK							
2										
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	<u>✓</u>	<u>✓</u>	SITE CLASSIFICATION (.0509): <u>C</u>
System Type(s)	<u>25% Red soil, Red</u>	<u>0.25% Red soil</u>	EVALUATED BY: <u>RL</u>
Site LTAR	<u>.35</u>	<u>.35</u>	OTHER(S) PRESENT: _____
Maximum Trench Depth	<u>18-28</u>	<u>18-28</u>	
Comments: _____			

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE		
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)		
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)		
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)		
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)		
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)		
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)		
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)		
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)			
R (Ridge/summit)		Si (Silt)					VP (Very plastic)			
S (Shoulder slope)		IV					SC (Sandy clay)	0.1 - 0.4	0.05 - 0.2	SEXP (Slightly expansive)
T (Terrace)						SiC (Silty clay)	EXP (Expansive)			
TS (Toe Slope)	C (Clay)									
		O (Organic)	None							

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

**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.

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) or U (Unsuitable)

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

A large rectangular grid area, approximately 30 units wide by 40 units high, intended for hand-drawn site profiles, dimensions, and other features. The grid is composed of thin lines forming a coordinate system.

Harnett County Environmental Health

SITE SKETCH

PIN 0682-36-3970.000 Lot 1

Permit Number SFD2504-0063

SIGNATURE HOME BUILDERS INC

Applicant's Name

[Signature]

Authorized State Agent

MABRY RIDGE Lot 1

Subdivision/Section/Lot Number

4-30-25

Date

System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale = NTS

Soil Notes

