DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: EH 2509-0003
COUNTY: Harnett

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Matthews Harry DATE EVALUATED: ____
ADDRESS: 21 Avery Rd Erwin
PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.0400): ____ 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

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1, 2	2% LS	0-8	SL, gr	FR, NS, NP, SE	7.5YR 7/1 = 40"	48"			.3	
		8-40	Clay, SBK	FI, SS, SP, SE						
		40-48	CL, WK SBK							
3 ~~2~~	2% LS	0-6	SL, gr		7.5YR 7/1 = 25"	48"			.3	
		6-25	Clay, SBK	FI, SS, SP, SE						
		25-48	CL, WK SBK							
4, 6, 7 ~~3~~	2% LS	0-6	SL, gr		7.5YR 7/1 = 36"	48"			.3	
		6-36	Clay, SBK	FI, SS, SP, SE						
		36-48	CL, WK SBK							
5, 8 ~~4~~	2% LS	0-13	SL, gr		7.5YR 7/1 = 30"	48"			.3	
		13-30	Clay, SBK	FI, SS, SP, SE						
		30-48	CL, WK SBK							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	✓	✓
System Type(s)	EX Conventional	25% Red
Site LTAR	EX ?	.3
Maximum Trench Depth	EX 36-24	22"-18"

SITE CLASSIFICATION (.0509): 5
EVALUATED BY: KL
OTHER(S) PRESENT: ____

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

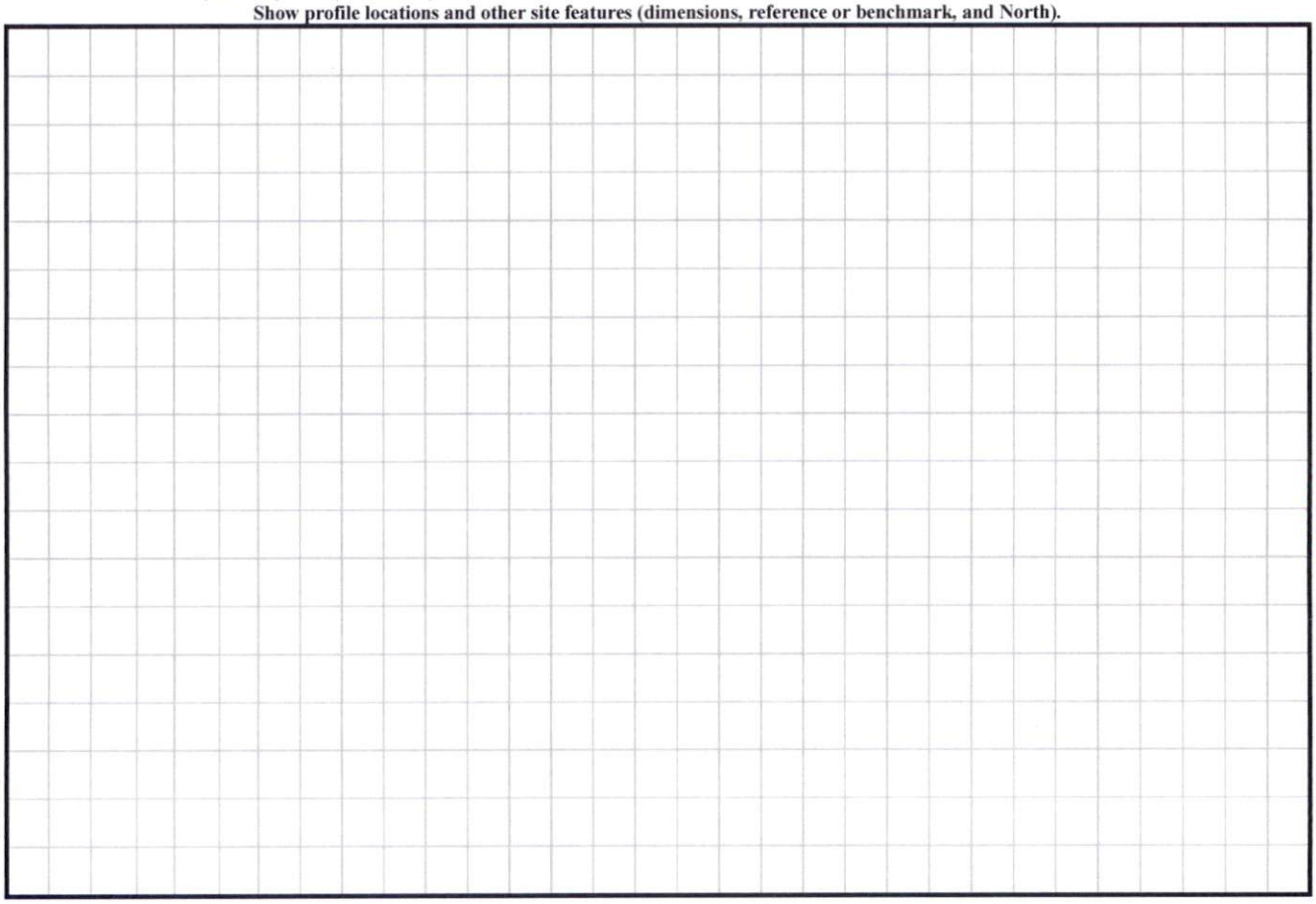
RESTRICTIVE HORIZON Thickness and depth from land surface

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).



SITE SKETCH

PIN 0598-02-7930.000 Permit Number EH2509-0003

MATTHEWS HARRY & MATTHEWS DEBRA J

Applicant's Name

Subdivision/Section/Lot Number

Ren Levocz

Authorized State Agent

09/23/2025

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

* Line 1-2 (MAX) Trench Bottom of 22"
* Line 3-4 (MAX) Trench Bottom of 18"

* May install 3 - 100' Lines or 4 - 75' Lines. Need a Total of 300' Must Follow.