

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Knia Neel Angel DATE EVALUATED: 10-6-23  
ADDRESS: 649 Campbell St, Angel  
PROPOSED FACILITY: SFD 80'x40' PROPOSED DESIGN FLOW (.0400): 480 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% LS	9-39	SL, gr		N/A	48"			.35	
		30-46	SL, SBK	Fr, SS, NP, SE						
2 4	2% LS	0-17	SL, gr		7.5yr 7/2-32"	48"			.35	
		17-32	SL, SBK	Fr, SS, NP, SE						
		32-48	CL, wk SBK							
3 4	2% LS	0-24	SL, gr		7.5yr 7/2-34"	48"			.35	
		24-34	SL, SBK	Fr, SS, NP, SE						
		34-48	CL, wk SBK							
5 6 7	2% LS	0-28	SL, gr		7.5yr 7/2-38"	48"			.35	
		28-38	SL, SBK	Fr, SS, NP, SE						
		38-48	CL, wk SBK							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): S EVALUATED BY: LL/JM OTHER(S) PRESENT:
Available Space (.0508)	✓	✓	
System Type(s)	25% Rejection	25% Rejection	
Site LTAR	.35	.35	
Maximum Trench Depth	Varies 18-26	18"-20"	

Comments: \_\_\_\_\_  
\_\_\_\_\_

## LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft <sup>2</sup> )	SAPROLITE LTAR (gpd/ft <sup>2</sup> )	LPP LTAR (gpd/ft <sup>2</sup> )	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)		0.3 - 0.6		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)		0.3 - 0.6			P (Plastic)	
R (Ridge/summit)		Si (Silt)		0.3 - 0.6			VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4	0.1 - 0.3	0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)		0.1 - 0.3		EXP (Expansive)		
TS (Toe Slope)		C (Clay)		0.1 - 0.3				
		O (Organic)	None	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).

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## ***Harnett County Environmental Health***

## SITE SKETCH

PIN 0683-04-9140.000

Permit Number EH2509-0007

KUILA NEEL ANJAN & KUILA CAMILLE GILBERT

TR#1

Applicant's Name  
Ren Levocz

Subdivision/Section/Lot Number  
10/30/2025

**Authorized State Agent**

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

