

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

OWNER: Jay McMaill DATE EVALUATED: 3-1-24

ADDRESS: 10 Steppes Nooks Ln, Court 5

PROPOSED FACILITY: SFD 70' x 50' 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, 3, 6,	2-3% LS	0-16	SL, g <sup>r</sup>	F <sub>i</sub> , NS, NP, SE	7.5/R 58 7/2 = 34"	48"			.35		
		16-34	SCL, SBK	F <sub>i</sub> , SS, NP, SE							
		34-48	CL, WR SBK	F <sub>i</sub> , SS, NP, SE							
2	2-7% LS	0-16	SL, g <sup>r</sup>	F <sub>i</sub> , NS, NP, SE	7.5/R 58 7/2 = 28"	48"			.35		
		16-28	SCL, SBK	F <sub>i</sub> , SS, NP, SE							
		28-48	CL, CL	F <sub>i</sub> , SS, NP, SE							
4, 5	2-3% LS	0-18	SL, g <sup>r</sup>	F <sub>i</sub> , NS, NP, SE	7.5/R 58 7/2 = 37"	48"			.4		
		18-37	SCL, SBK	F <sub>i</sub> , S, NP, SE							
		37-48	CL, WR SBK	F <sub>i</sub> , SS, NP, SE							
4											

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	✓	✓
System Type(s)	25% Red	50% Red
Site LTAR	.35	.35
Maximum Trench Depth	20"	16"

SITE CLASSIFICATION (.0509): S  
 EVALUATED BY: RL/JM  
 OTHER(S) PRESENT: \_\_\_\_\_

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	
						MOIST	WET		
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		0.15 - 0.3	EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	VP (Very plastic)	
R (Ridge/summit)		Si (Silt)							
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.

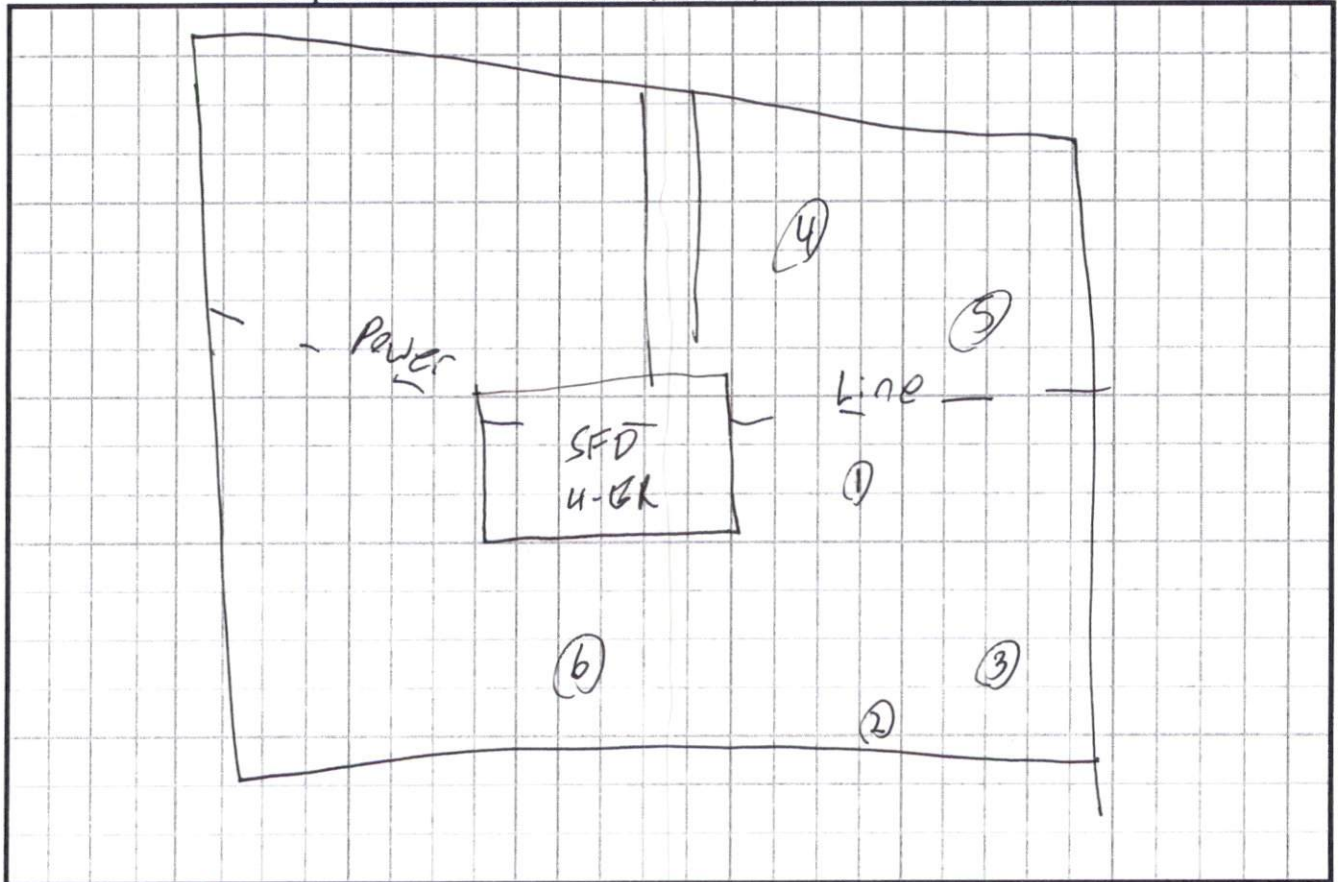
SOIL WETNESS

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).





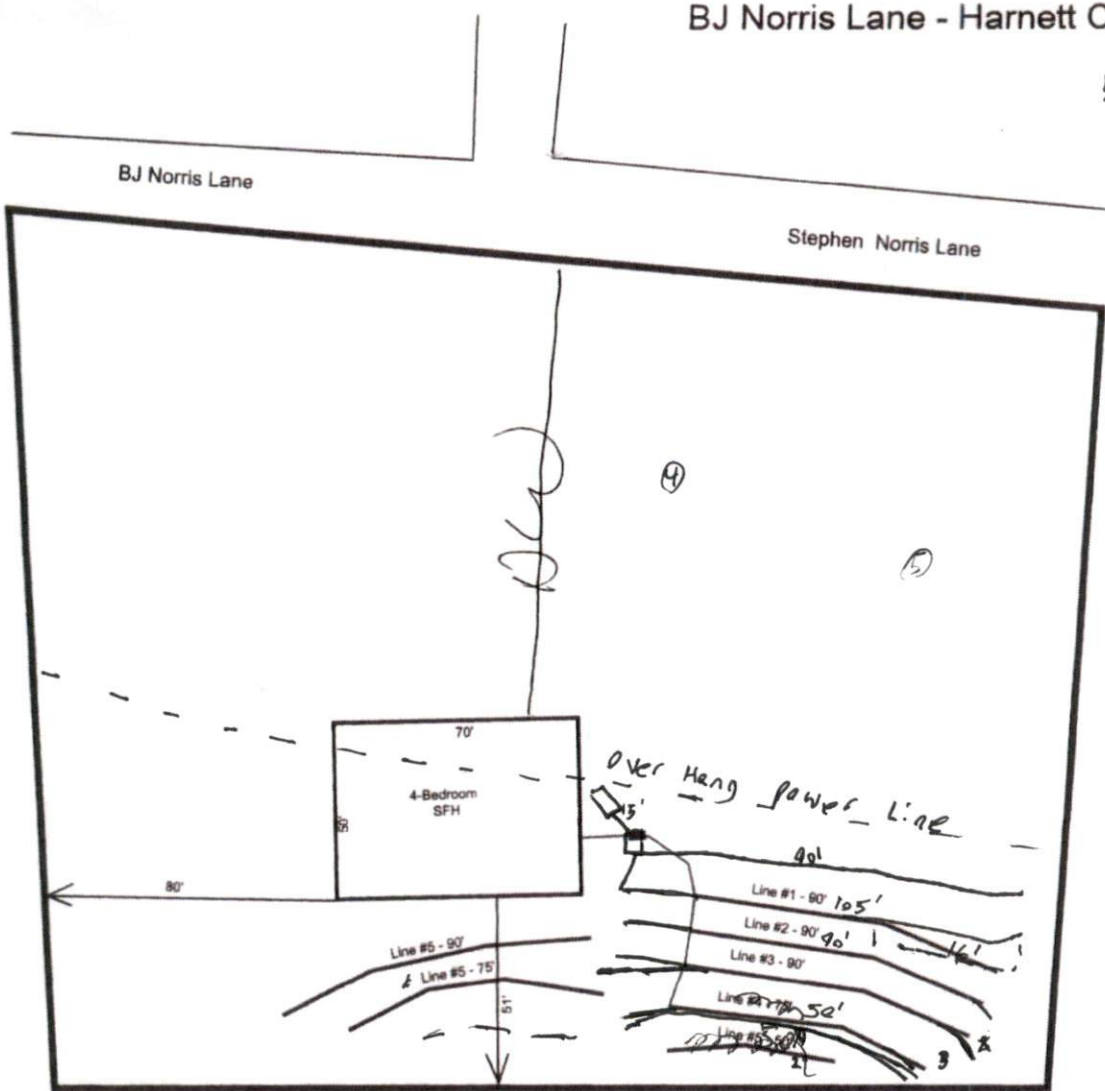
Jay McMahon  
 4-Bedroom - Septic Proposal  
 BJ Norris Lane - Harnett County

1/3  
 0-16  
 16-34 out 24"  
 34-48 out 21"

2  
 0-16  
 16-28  
 28-46 out 28"

4,5  
 0-16  
 16-37 out 37"  
 37-48 out 4"

6  
 0-15  
 15-38  
 38-48 out 2"



System: Gravity to serial distribution  
 Lines: 1-4 (345')  
 0.4 LTAR  
 20" Max Trench Bottom  
 Accepted Status System  
 Repair: Pressure Manifold  
 Lines: 5-7 (215')  
 0.4 LTAR  
 20" Max Trench Bottom  
 T&J Pane Block - 50% Reduction system

\* Existing overhead powerlines must be relocated

\*\*1000 Gallon Septic  
 Tank and trenches to be located minimum of 10'  
 from any property line and minimum of 5'  
 from any building foundation.  
 \*Do Not Cut, Fill, or Alter Drainfield or Repair Area  
 \*Comply with all setbacks

Adams  
 Soil Consulting  
 919-414-6761  
 Job #1871  
 2-1-24

GRAPHIC SCALE  
 1" = 50'

