

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

OWNER: Benjamin Slout Real Estate Services INC DATE EVALUATED: 1-8-24  
 ADDRESS: 110 Alderman Ct  
 PROPOSED FACILITY: SFD 42'x 32' 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*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1/2	1-2% LS	0-6	SL, 9'	Fi, NS, NP, SE	7-3R 5/8 5/1=26"				.35	
		6-20	SCL, SBK	Fi, SS, NP, SE						
		20-48	CL, WK, SBK	Fi, SS, NP, SE						
2										
3	1-2% LS	0-10	SL, 9'	Fi, NS, NP, SE	7-3R 5/8 5/1=32"				.35	
		10-32	SCL, SBK	Fi, SS, NP, SE						
		32-48	CL, WK, SBK	Fi, SS, NP, SE						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>PS</u> EVALUATED BY: <u>RL/JM</u> OTHER(S) PRESENT: <u>                    </u>
Available Space (.0508)	✓	✓	
System Type(s)	<u>25% Red</u>	<u>50% Red</u>	
Site LTAR	<u>.35</u>	<u>.35</u>	
Maximum Trench Depth	<u>12"-13"</u>	<u>12"-13"</u>	

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

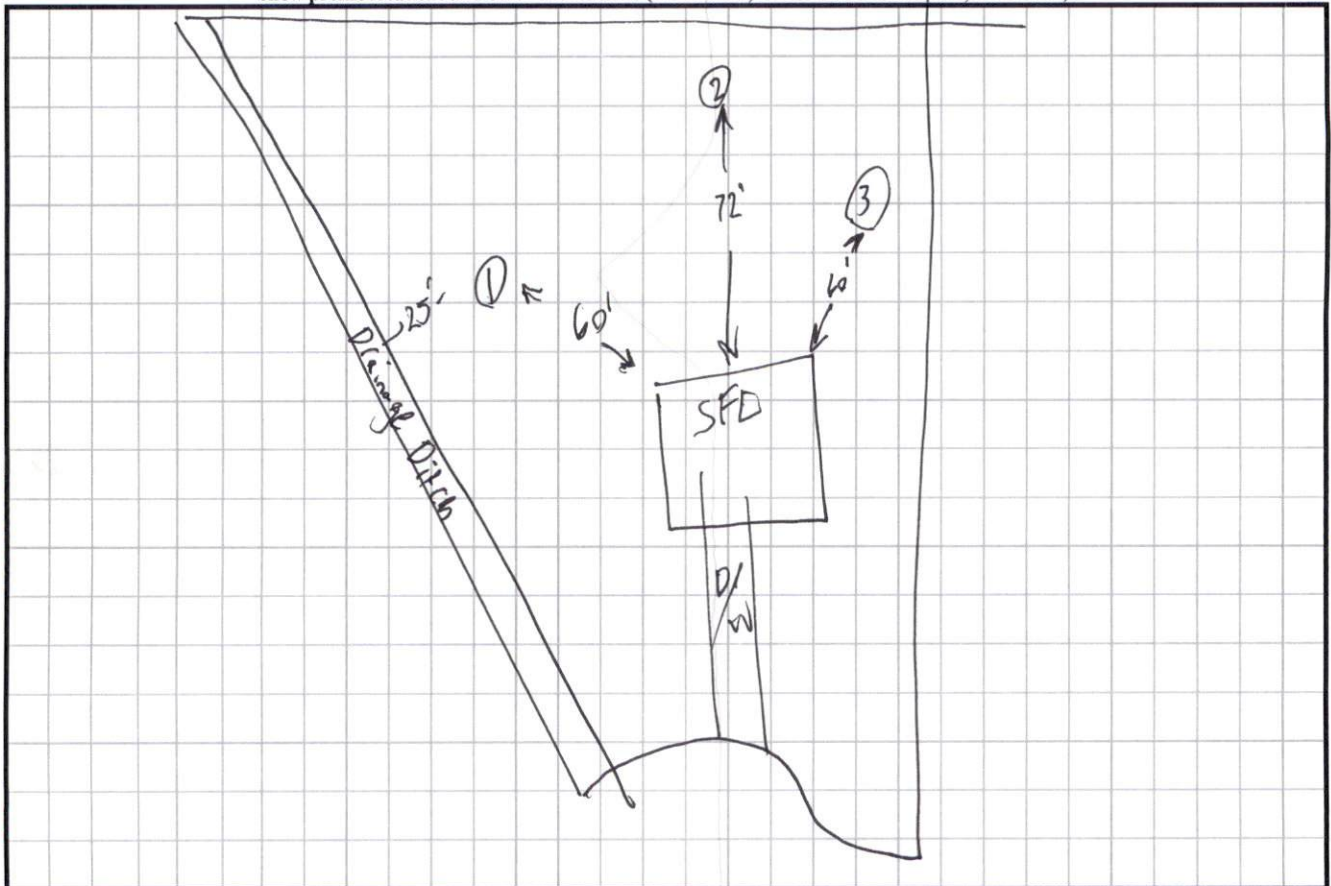
**RESTRICTIVE HORIZON** Thickness and depth from land surface

**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)

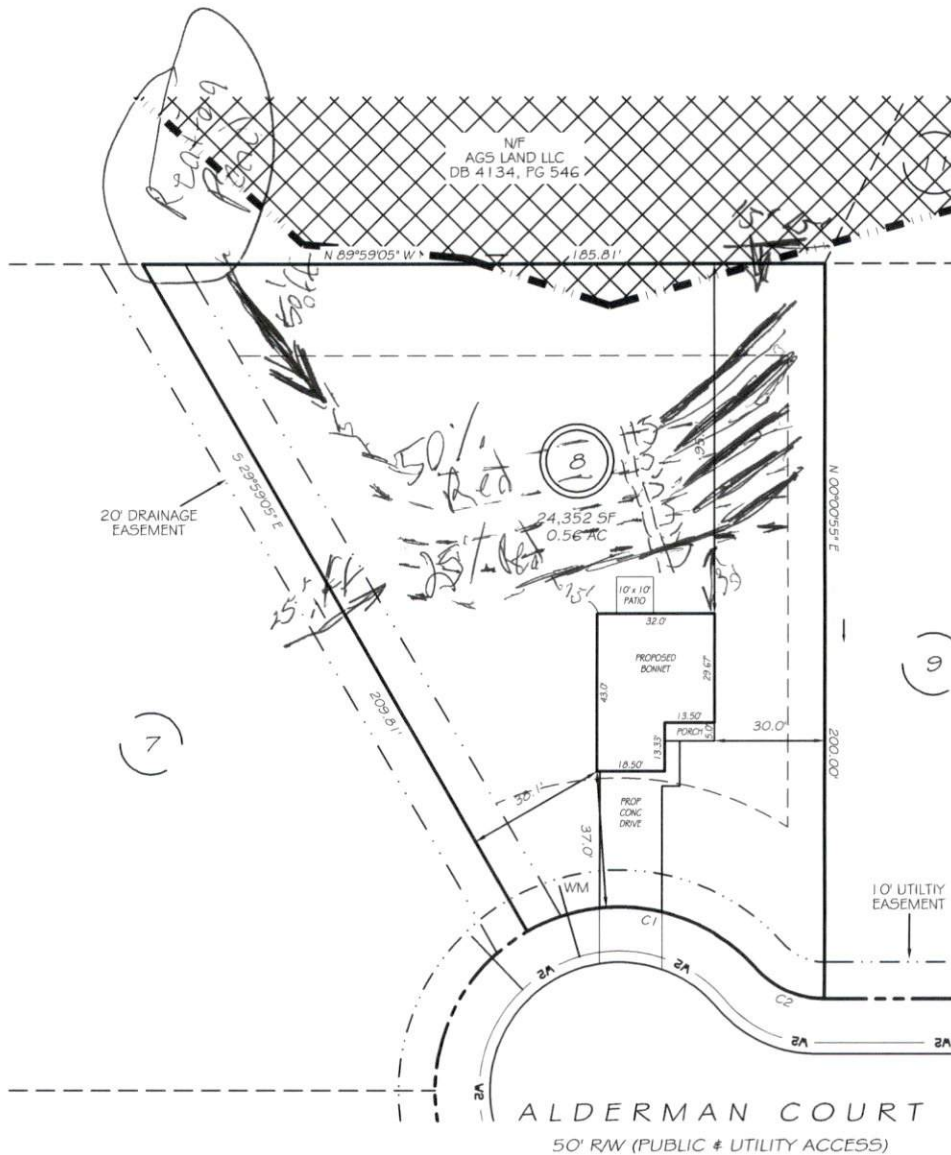
**Show profile locations and other site features (dimensions, reference or benchmark, and North).**





I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1:10,000+; that the area shown hereon was calculated by coordinates.  
 Witness my hand and seal this day of MONTH 2023.

DK 2023 PAGE 561  
 HARNETT CO. REGISTRY



IMPERVIOUS AREAS

HOUSE	1264 SQ. FT.
DRIVE & WALKS	684 SQ. FT.
PATIO	100 SQ. FT.
<b>TOTAL</b>	<b>2048 SQ. FT.</b>

ZONING: RA-20M  
 SETBACKS

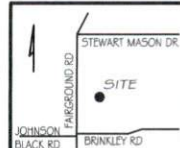
FRONT	35'
REAR	25'
SIDE	10'
CORNER SIDE	20'

C1 R=50.00' L=68.23' N80°53'24"W 63.06'  
 C2 R=25.00' L=21.03' N65°53'24"W 20.41'

**PRELIMINARY**  
 NOT FOR RECORDATION,  
 SALES OR CONVEYANCE

LEGEND

EIP	EXISTING IRON PIPE	FES	FLARED END SECTION
IPS	IRON PIPE SET	WM	WATER METER
R/W	RIGHT OF WAY	CO	CLEAN OUT
N/F	NOW OR FORMERLY	FH	FIRE HYDRANT
EIS	EXISTING IRON STAKE	CB	CATCH BASIN



**GRiffin LAND SURVEYING, INC.**  
 P.O. BOX 148  
 FUQUAY-VARINA, NC 27526  
 (919) - 567-1963

**PLOT PLAN**  
 FOR  
**BEN STOUT**  
**CONSTRUCTION**  
 FAIRGROUND FARMS  
 LOT 8  
 ALDERMAN COURT  
 DUNN, N.C.  
 HARNETT COUNTY AVERASBORO TOWNSHIP

DRAWN BY <b>KDF</b>	DATE <b>11/15/23</b>
CHECKED BY <b>MPG</b>	SCALE <b>1" = 40'</b>