

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

OWNER: Family Building Company II LLC DATE EVALUATED: 2-27  
 ADDRESS: 782 Jaggins Rd  
 PROPOSED FACILITY: SFD 21 x 30.9 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% LS	0-3	SL, gr	Fr, NS, NP, SE	7.5YR 5/6 7/2 = 36"	48"			.3		
		3-36	SCL, SBK	Fr, SS, NP, SE							
		36-48	CL, wk SBK	Fr, SL, NP, SE							
2		0-3	SL, gr	Fr, NS, NP, SE	7.5YR 5/6 7/2 = 25"	48"			.35		
		3-10	SCL, SBK	Fr, SS, NP, SE							
		10-32	SL, gr	Fr, NS, NP, SE							
		32-38	SCL, SBK	Fr, SS, NP, SE							
38-48	CL, wk SBK	Fr, SS, NP, SE									
3											
4											

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>RL/JM</u> OTHER(S) PRESENT: _____
Available Space (.0508)	<input checked="" type="checkbox"/>	—	
System Type(s)	<u>25% Red</u>	—	
Site LTAR	<u>3</u>	—	
Maximum Trench Depth	<u>18'-22"</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)		
R (Ridge/summit)		Si (Silt)						VP (Very plastic)	
S (Shoulder slope)		SC (Sandy clay)					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.

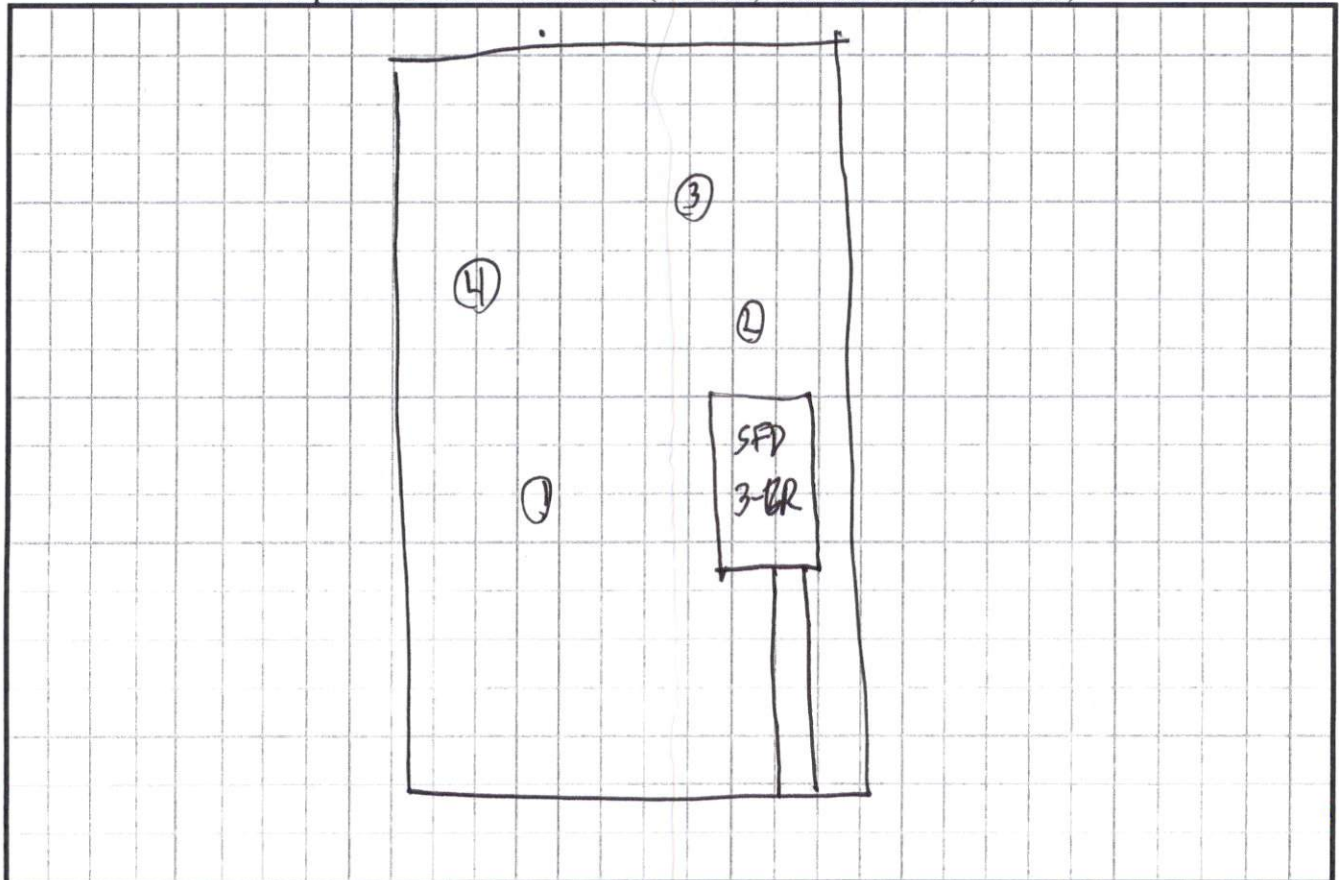
**SOIL WETNESS**

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).**





SURVEY FOR

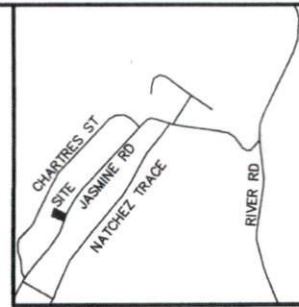
**FAMILY BUILDING COMPANY**

LOT 20, CAPTAIN'S LANDING SUBDIVISION, BLOCK 12  
 JASMINE ROAD  
 PIN# 0613-85-1427  
 D.B. 1961, PAGE 856  
 B.M. 21, PAGE 52

BUCKHORN TOWNSHIP  
 HARNETT COUNTY, NORTH CAROLINA  
 DECEMBER 19, 2023  
 REVISED JANUARY 30, 2024

40 20 0 40 80

SCALE 1"=40'

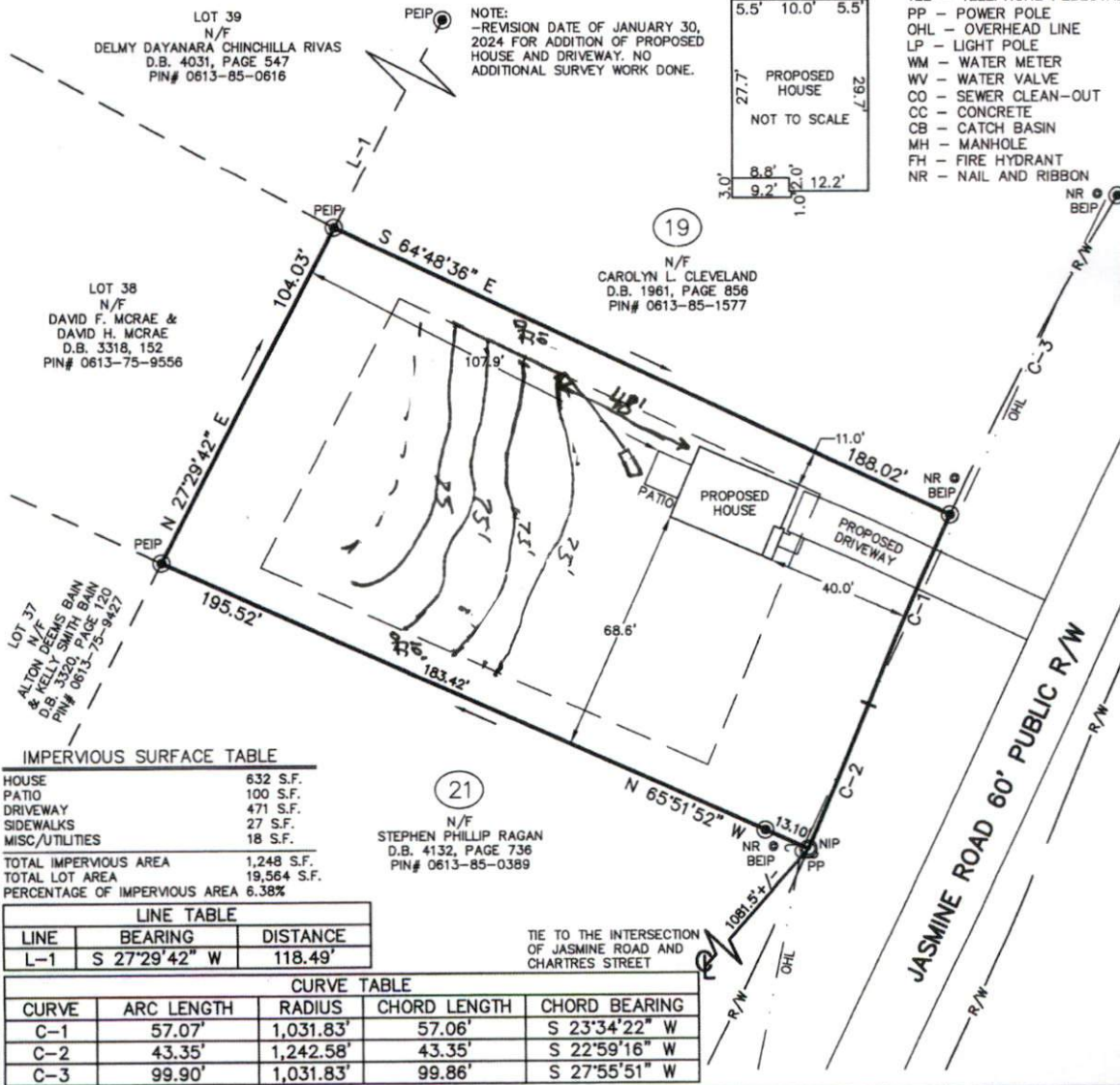


**VICINITY MAP**

**LEGEND:**

- EIP - EXISTING IRON PIPE
- EIB - EXISTING IRON BAR
- BEIP - BENT IRON PIPE
- BEIB - BENT IRON BAR
- PEIP - PINCHED IRON PIPE
- CM - CONCRETE MONUMENT
- EPK - EXISTING PK NAIL
- SPK - SET PK NAIL
- NIP - NEW IRON PIPE SET
- R/W - RIGHT OF WAY
- CATV - CABLE TV BOX
- EB - ELECTRIC BOX
- TEL - TELEPHONE PEDESTAL
- PP - POWER POLE
- OHL - OVERHEAD LINE
- LP - LIGHT POLE
- WM - WATER METER
- WV - WATER VALVE
- CO - SEWER CLEAN-OUT
- CC - CONCRETE
- CB - CATCH BASIN
- MH - MANHOLE
- FH - FIRE HYDRANT
- NR - NAIL AND RIBBON

ADOPTED FROM B.M. 21, PAGE 52



NOTE:  
 -REVISION DATE OF JANUARY 30,  
 2024 FOR ADDITION OF PROPOSED  
 HOUSE AND DRIVEWAY. NO  
 ADDITIONAL SURVEY WORK DONE.

**IMPERVIOUS SURFACE TABLE**

HOUSE	632 S.F.
PATIO	100 S.F.
DRIVEWAY	471 S.F.
SIDEWALKS	27 S.F.
MISC./UTILITIES	18 S.F.
<b>TOTAL IMPERVIOUS AREA</b>	<b>1,248 S.F.</b>
<b>TOTAL LOT AREA</b>	<b>19,564 S.F.</b>
<b>PERCENTAGE OF IMPERVIOUS AREA</b>	<b>6.38%</b>

**LINE TABLE**

LINE	BEARING	DISTANCE
L-1	S 27°29'42" W	118.49'

**CURVE TABLE**

CURVE	ARC LENGTH	RADIUS	CHORD LENGTH	CHORD BEARING
C-1	57.07'	1,031.83'	57.06'	S 23°34'22" W
C-2	43.35'	1,242.58'	43.35'	S 22°59'16" W
C-3	99.90'	1,031.83'	99.86'	S 27°55'51" W

**CMP**  
 Professional Land Surveyors  
 C-1525  
 333 S. White Street  
 Post Office Box 1253  
 Wake Forest, N.C. 27588  
 (919)556-3148

I DECLARE THAT THIS SURVEY COMPLIES WITH THE NORTH CAROLINA STANDARDS OF PRACTICE FOR SURVEYING, (SECTION 1600) FOR CLASS A SURVEYS AND THAT THE CALCULATED RATIO OF PRECISION BEFORE ADJUSTMENTS IS 1:10,000+. FURTHERMORE, PROPERTY CORNERS SHOWN ARE PRIMARY CONTROL MONUMENTATION FOR THE RE-ESTABLISHMENT OF PROPERTY CORNERS IN THE ABSENCE OF GRID MONUMENTS AND OTHER SUBDIVISION PROPERTY CORNERS. THIS SURVEY IS NOT TO BE RECORDED WITHOUT THE WRITTEN AUTHORIZATION OF THE SURVEYOR.

*[Signature]* 1/30/2024  
 PROFESSIONAL LAND SURVEYOR L-3835

**NORTH CAROLINA**  
 PROFESSIONAL  
 SEAL  
 L-3835  
 LAND SURVEYOR  
**JASON L. PANCIERA**