

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

OWNER: Family Building Co. LLC DATE EVALUATED: 2-27-24  
 ADDRESS: 762 Jasmine Rd  
 PROPOSED FACILITY: SFD 26.8' x 59' 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	LS 3-5%	0-5	SL, gc	Fi, NS, NP, SE	7.5% 5/4 7/1 = 30"	48"			.3	
		5-30	SCL, SBK	FE, SS, NP, SE						
		30-48	CL, WK SBK	FE, SS, NP, SE						
2/ 3	LS 2-3%	0-8	SL, gc	Fi, SS, NP, SE	7.5% 5/4 7/1 = 32"	48"			.3	
		8-32	SCL, SBK	FE, SS, NP, SE						
		32-48	CL, WK SBK	FE, SS, NP, SE						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	✓	—
System Type(s)	25% Ren	—
Site LTAR	3	—
Maximum Trench Depth	17'-18"	—

SITE CLASSIFICATION (.0509): \_\_\_\_\_  
 EVALUATED BY: RL/JMS  
 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.

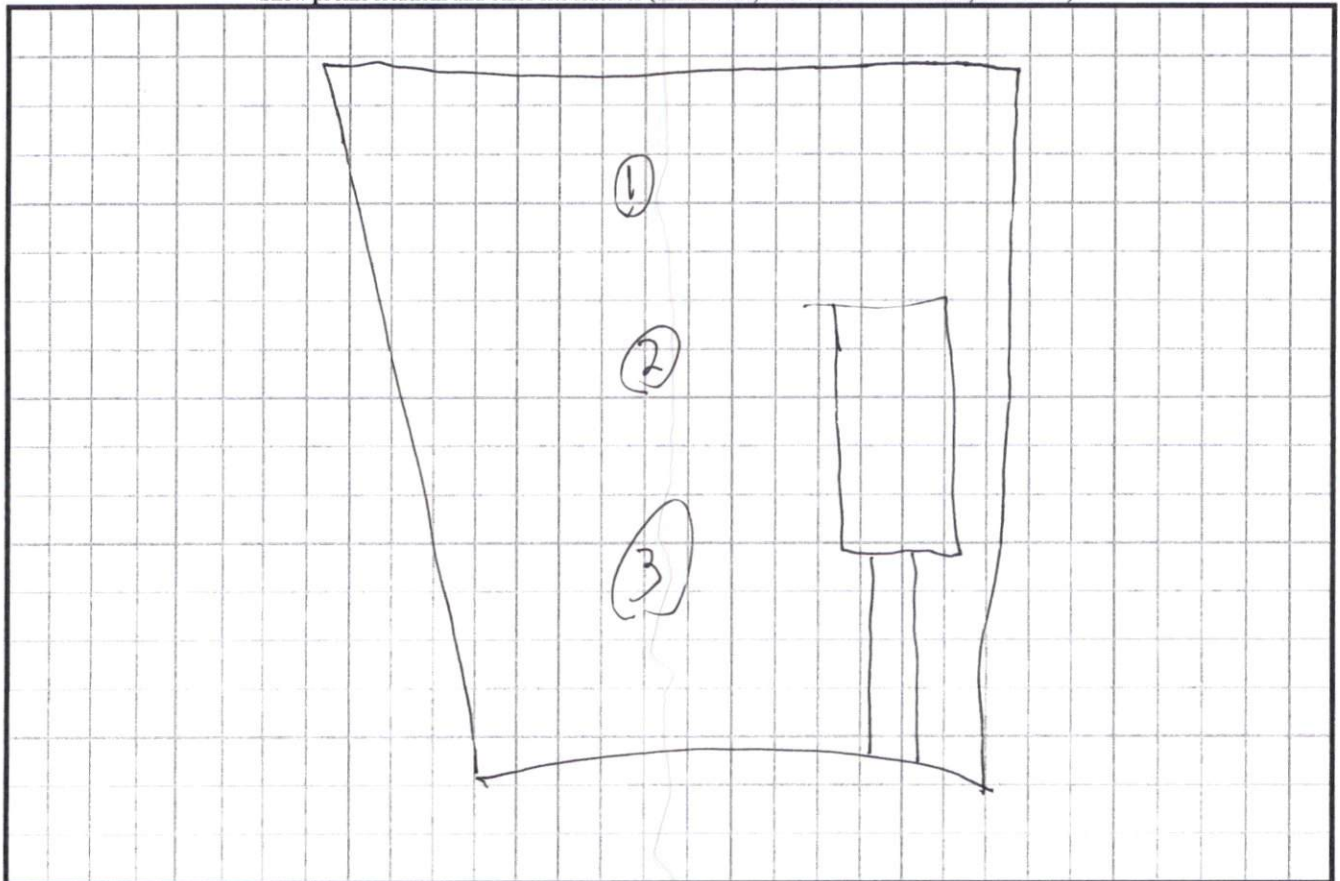
**SOIL WETNESS**

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).**



SURVEY FOR

# FAMILY BUILDING COMPANY

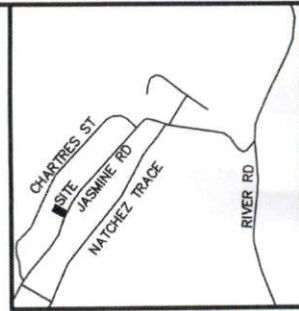
LOT 19, CAPTAIN'S LANDING SUBDIVISION, BLOCK 12  
JASMINE ROAD  
PIN# 0613-85-1577  
D.B. 1961, PAGE 856  
B.M. 21, PAGE 52

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



SCALE 1"=40'

ADOPTED FROM B.M. 21, PAGE 52



### 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

LOT 40  
N/F  
SHRI HARI REAL ESTATE LLC  
D.B. 3661, PAGE 228  
PIN# 0613-85-0776

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

(18)  
N/F  
SHRI HARI REAL ESTATE LLC  
D.B. 3661, PAGE 228  
PIN# 0613-85-2607

LOT 39  
N/F  
DELMY DAYANARA CHINCHILLA RIVAS  
D.B. 4031, PAGE 547  
PIN# 0613-85-0616

LOT 38  
N/F  
DAVID F. MCRAE &  
DAVID H. MCRAE  
D.B. 3318, 152  
PIN# 0613-75-9556

(20)  
N/F  
CAROLYN L. CLEVELAND  
D.B. 1961, PAGE 856  
PIN# 0613-85-1427

#### IMPERVIOUS SURFACE TABLE

HOUSE	1,266 S.F.
PATIO	137 S.F.
DRIVEWAY	697 S.F.
SIDEWALKS	41 S.F.
MISC./UTILITIES	18 S.F.
TOTAL IMPERVIOUS AREA	2,159 S.F.
TOTAL LOT AREA	20,472 S.F.
PERCENTAGE OF IMPERVIOUS AREA	10.55%

TIE TO THE INTERSECTION  
OF JASMINE ROAD AND  
CHARITRES STREET

#### CURVE TABLE

CURVE	ARC LENGTH	RADIUS	CHORD LENGTH	CHORD BEARING
C-1	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

(CAPTAIN19-2024) (NO)

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.

PROFESSIONAL LAND SURVEYOR L-3835



2, 1, 0-5 SL

5-29 SL

29-48 CL  $7/1$  out 29"

3, 0-8

8-32

32-48  $7/1$  out 32"

.8