

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

OWNER: Stancil Builders INC DATE EVALUATED: 1-17-24  
 ADDRESS: 23 Avent Creek  
 PROPOSED FACILITY: SFD 50' x 70' 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 5	3-4% LS	0-17	SL, gc	Fc, NS, NP, SE	7.5YR 5/8 7/2 = 37"				.35	
		17-37	SCL, SBK	Fc, SS, NP, SE						
		37-48	CL, W <sup>xy</sup> SBK	Fc, SS, SP, SE						
2	2-3% LS	0-17	SL, gc	Fc, NS, NP, SE	7.5YR 5/4 7/1 = 25-26"				.35	
		17-26	SCL, SBK	Fc, SS, SP, SE						
		26-48	C, SBK, A <sup>xy</sup> W <sup>xy</sup>	Fc, SS, SP, SE						
3 4	2-3%	0-13	SL, gc	Fc, NS, NP, SE	7.5YR 5/4 7/2 = 24"				.35	
		13-22	SCL, SBK	Fc, SS, SP, SE						
		22-48	CL, W <sup>xy</sup> SBK	Fc, SS, SP, SE						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): _____ EVALUATED BY: <u>RL/JM</u> OTHER(S) PRESENT: _____
Available Space (.0508)	✓	✓	
System Type(s)	Low profile	50% Red	
Site LTAR	.35	.35	
Maximum Trench Depth	12"	14"	

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

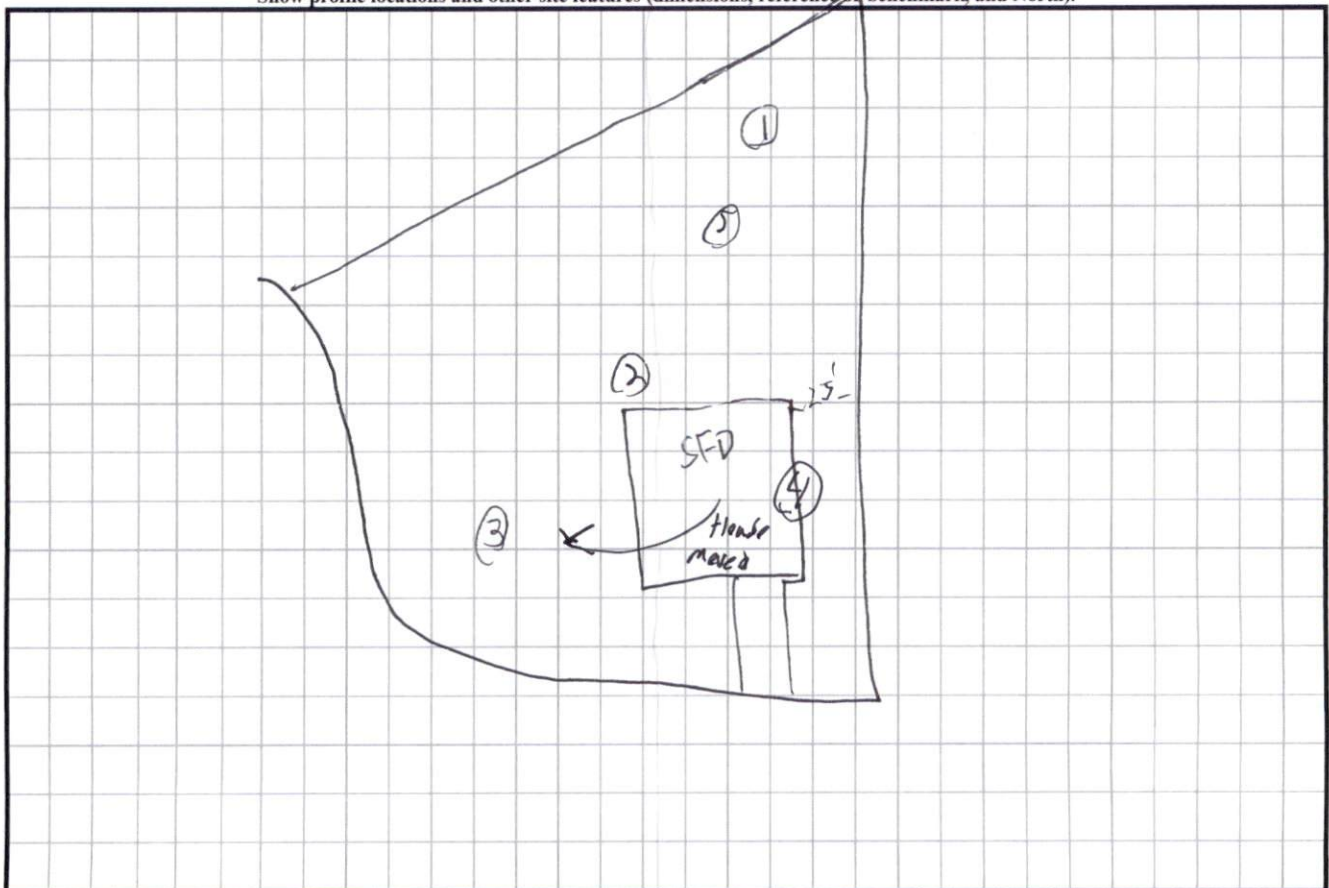
**RESTRICTIVE HORIZON** Thickness and depth from land surface

**SAPROLITE** S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

**SOIL WETNESS CLASSIFICATION** 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

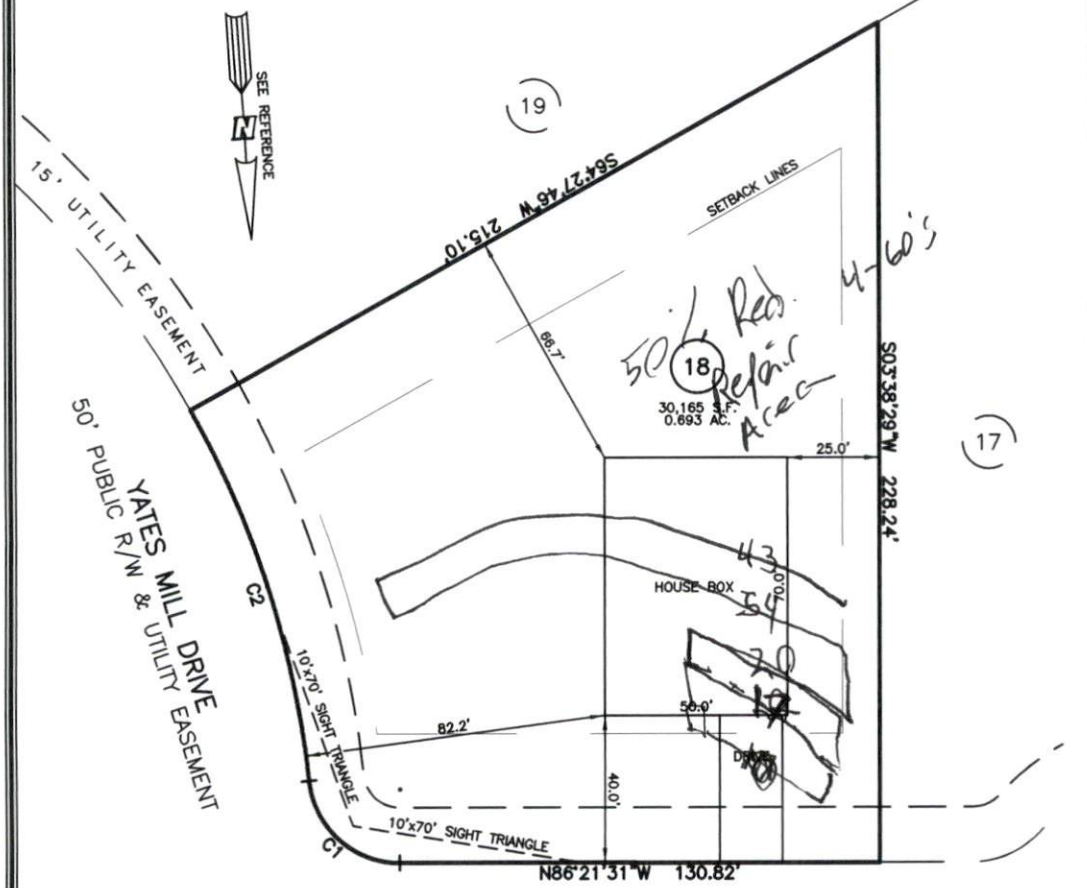
S (Suitable) or U (Unsuitable)

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





NEW HOME INC., LLC  
 AVENTS CREEK WAY  
 LOT 18, WOODBRIDGE SOUTH  
 BUCKHORN TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA



REFERENCES:  
 P.B. 2023, PGS 92-94

AVENTS CREEK WAY  
 50' PUBLIC R/W & UTILITY EASEMENT

LEGEND

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>AC AIR CONDITIONER</li> <li>BC BACK of CURB</li> <li>BFP BACK FLOW PREVENTER</li> <li>C CLEANOUT</li> <li>CI CURB INLET</li> <li>DHS DRILL HOLE SET</li> <li>ECM EXISTING CONCRETE MONUMENT</li> <li>EDH EXISTING DRILL HOLE</li> <li>ES EXISTING IRON STAKE</li> <li>EIP EXISTING IRON PIPE</li> <li>EM ELECTRIC METER</li> <li>EPK EXISTING PK NAIL</li> <li>ES ELECTRIC STUB</li> <li>FLA FLARED END SECTION</li> <li>FHY FIRE HYDRANT</li> <li>FOP FIBER OPTIC PEDESTAL</li> <li>GM GAS METER</li> <li>GUY GUY</li> </ul> | <ul style="list-style-type: none"> <li>INV INVERT</li> <li>IPS IRON PIPE SET</li> <li>IRS IRON ROD SET</li> <li>LPT LIGHT POLE</li> <li>MNS MAGNETIC NAIL SET</li> <li>MNS MANHOLE SANITARY SEWER</li> <li>MNS MANHOLE STORM SEWER</li> <li>OWH OVERHEAD WIRES</li> <li>PKS PK NAIL SET</li> <li>PNS POINT NOT SET</li> <li>RRS RAIL ROAD SPIKE</li> <li>TEL TELEPHONE PEDESTAL</li> <li>CTV CABLE TV PEDESTAL</li> <li>UTL UTILITY POLE</li> <li>WTR WATER METER</li> <li>WTV WATER VALVE</li> <li>YIN YARD INLET</li> <li>FM FIELD MEASUREMENT</li> </ul> |
|--|---|

NUM	RADIUS	ARC	DELTA	CHORD BRG	CHORD
C1	25.00'	36.61'	83°53'52"	S44°24'35"E	33.42'
C2	265.00'	106.73'	23°04'35"	S13°59'56"E	106.01'

SETBACK INFO

FRONT: \_\_\_\_\_ 35'  
 REAR: \_\_\_\_\_ 25'  
 SIDES: \_\_\_\_\_ 10'  
 CORNER SIDE: \_\_\_\_\_ 20'



SCALE: 1" = 40"

FOR REPRESENTATIVE PURPOSES ONLY  
 NOT FOR PERMITTING, RECORDATION,  
 CONVEYANCE OR SALES

NOTES

- THIS SURVEY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
- THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

HOUSE FIT  
 ONLY

DATE: DEC. 06, 2023

F.B. \_\_\_\_\_

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