

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

OWNER: Stancil Builders INC DATE EVALUATED: 1-4-24  
 ADDRESS: 104 Yates Mill Drive  
 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*	.0502(d) SLOPE CORRE CTION	
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ			
13	2-3% LS	0-17	SL, gr	FI, NS, NP, SE	7.5/4 7/1 = 38"	48"			.4-.35		
		17-38	SCL, SBR	FI, SS, NP, SE							
		38-48	CL, <sup>HK</sup> SBR	FI, SS, NP, SE							
24	2-3% LS	0-16	SL, gr	FI, NS, NP, SE	7.5/4 7/2 = 30"	48"		Water table at 24"	.35-.3		
		16-30	SCL, SBR	FI, SS, NP, SE							
		30-48	CL, <sup>HK</sup> SBR	FI, SS, NP, SE							
8 5	2-3% LS	0-17	SL, gr	FI, NS, NP, SE	7.5/4 7/2 = 29"	48"		Water table at 15"	.35-.3		
		17-29	SCL, SBR	FI, SS, NP, SE							
		29-48	CL, <sup>HK</sup> SBR	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: _____
Available Space (.0508)	✓ 6-60s	✓ 4-100s	
System Type(s)	25% Red Gravity	25% Red + Pump	
Site LTAR	.35	.3	
Maximum Trench Depth			

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		None	EFI (Extremely firm)	SP (Slightly plastic)
N (Nose slope)		SiCL (Silty clay loam)	P (Plastic)					
R (Ridge/summit)		Si (Silt)			VP (Very plastic)			
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.

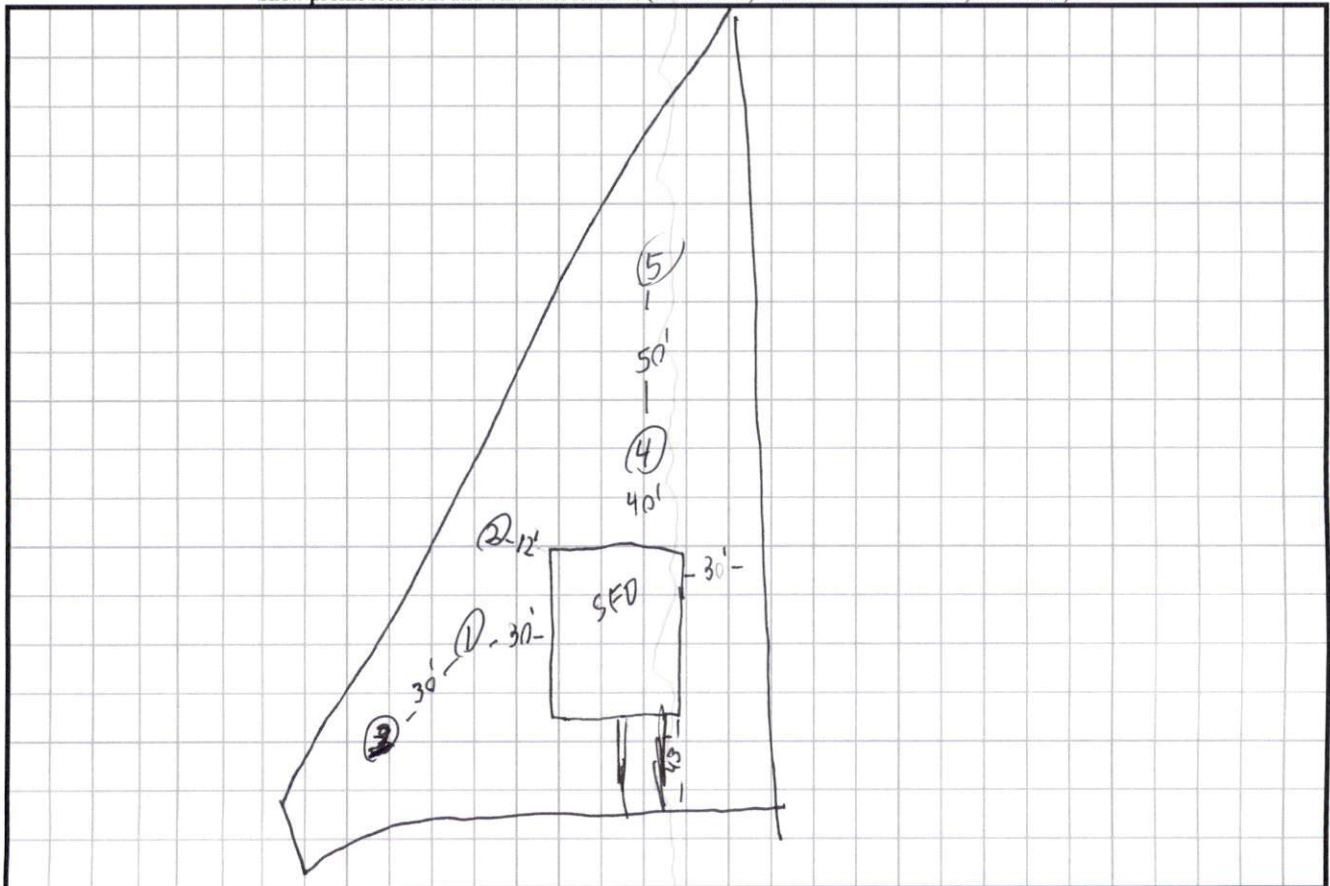
*SOIL WETNESS*

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).**



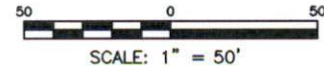
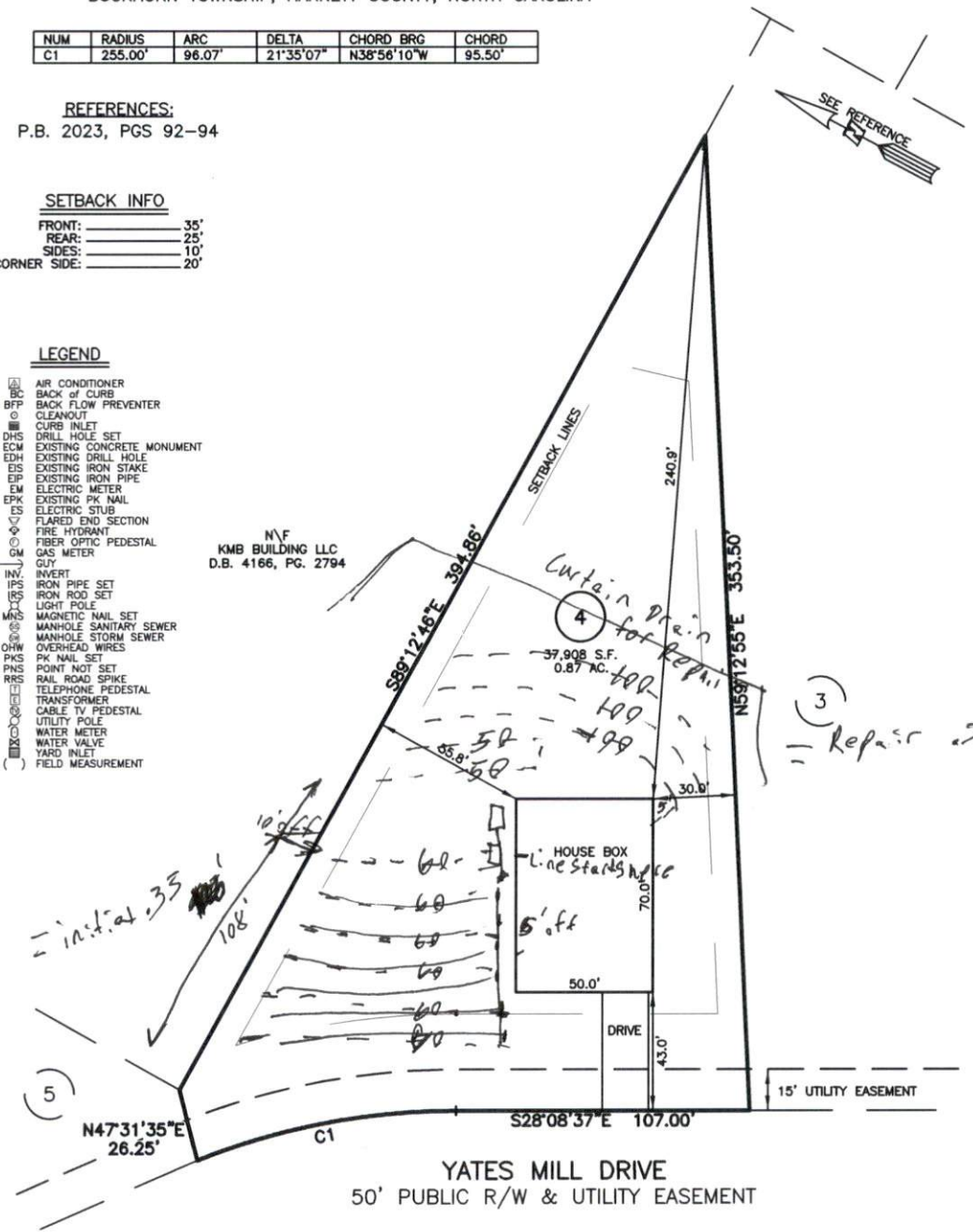
NEW HOME INC., LLC  
 104 YATES MILL DRIVE  
 LOT 4, WOODBRIDGE SOUTH  
 BUCKHORN TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA

NUM	RADIUS	ARC	DELTA	CHORD BRG	CHORD
C1	255.00'	96.07'	21°35'07"	N38°56'10"W	95.50'

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

SETBACK INFO  
 FRONT: 35'  
 REAR: 25'  
 SIDES: 10'  
 CORNER SIDE: 20'

- LEGEND
- AIR CONDITIONER
  - BC BACK OF CURB
  - BFP BACK FLOW PREVENTER
  - CLEANOUT
  - ▣ CURB INLET
  - DHS DRILL HOLE SET
  - ECM EXISTING CONCRETE MONUMENT
  - EDH EXISTING DRILL HOLE
  - ES EXISTING IRON STAKE
  - EIP EXISTING IRON PIPE
  - EM ELECTRIC METER
  - EPK EXISTING PK NAIL
  - ES EXISTING STUB
  - ▽ FLARED END SECTION
  - FIRE HYDRANT
  - FIBER OPTIC PEDESTAL
  - GM GAS METER
  - GY GUY
  - INV. INVERT
  - IPS IRON PIPE SET
  - IRS IRON ROD SET
  - LP LIGHT POLE
  - MNS MAGNETIC NAIL SET
  - MS MANHOLE SANITARY SEWER
  - MS MANHOLE STORM SEWER
  - OWH OVERHEAD WIRES
  - PKS PK NAIL SET
  - PNS POINT NOT SET
  - RRS RAIL ROAD SPIKE
  - TELEPHONE PEDESTAL
  - TRANSFORMER
  - CABLE TV PEDESTAL
  - UTILITY POLE
  - WATER METER
  - WATER VALVE
  - YARD INLET
  - FIELD MEASUREMENT



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

- NOTES
1. THIS SURVEY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
  2. 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. \_\_\_\_\_

**RWK, PA**  
 ENGINEERING - SURVEYING  
 CORPORATE LICENSE: C-1771  
 101 W. MAIN ST., SUITE 202  
 GARNER, NC 27529  
 PHONE (919) 779-4854  
 FAX (919) 779-4056