

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

OWNER: Smith Douglas Homes DATE EVALUATED: 1-31-24
 ADDRESS: 171 Oriental St Lot 136
 PROPOSED FACILITY: 171 Oriental SFD 48' x 60' 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, 4,	2-3% LS	0-34	SL, gr	Fr, NS, NP, SE	7.5YR 5/6 7/2=34"	48"			.4	
		34-48	SCL, SBK	Fr, SS, NP, SE						
2	1-3% LS	0-38	SL, gr	Fr, NS, NP, SE	7.5YR 5/6 7/2=38"	48"			.4	
		38-48	SCL, SBK	Fr, SS, NP, SE						
3	3-6% CS	0-30	SL, gr	Fr, NS, NP, SE	7.5YR 5/6 7/2=30"	48"			.4	
		30-48	SCL, SBK	Fr, SS, NP, SE						
5		0-24	SL, gr	Fr, NS, NP, SE	7.5YR 5/6 7/2=24-26"	48"			.4	
		24-48	SCL, SBK	Fr, SS, NP, SE						

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"/>	<input checked="" type="checkbox"/>	
System Type(s)	<u>50-25% Red</u>	<u>50-25% Red</u>	
Site LTAR	<u>.4</u>	<u>.4</u>	
Maximum Trench Depth	<u>30"</u>	<u>30"</u>	

Comments: _____

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft ²)	SAPROLITE LTAR (gpd/ft ²)	LPP LTAR (gpd/ft ²)	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	None	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)		SC (Sandy clay)						SEXP (Slightly expansive)		
T (Terrace)	SiC (Silty clay)	0.1 - 0.4	0.05 - 0.2	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

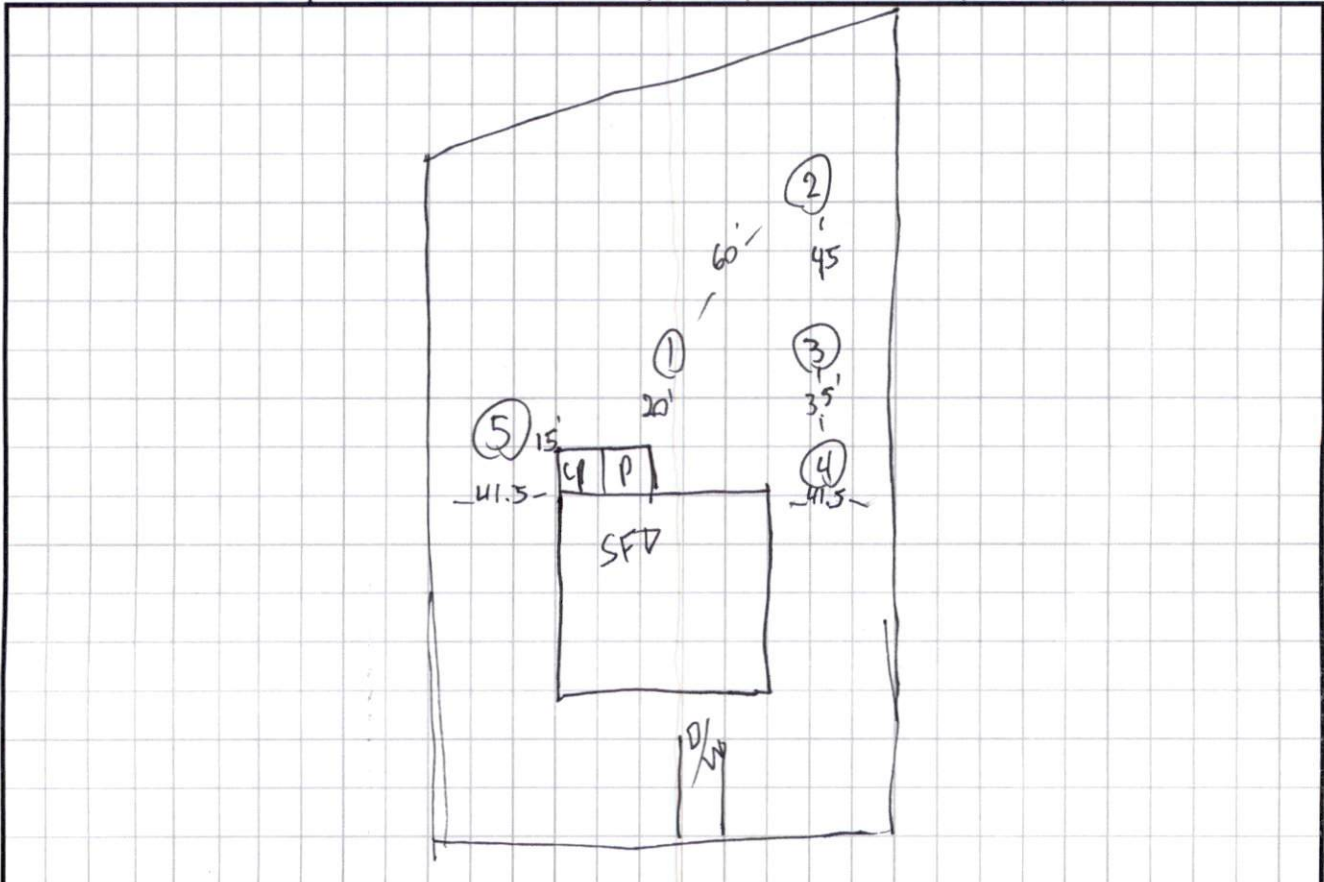
RESTRICTIVE HORIZON Thickness and depth from land surface

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

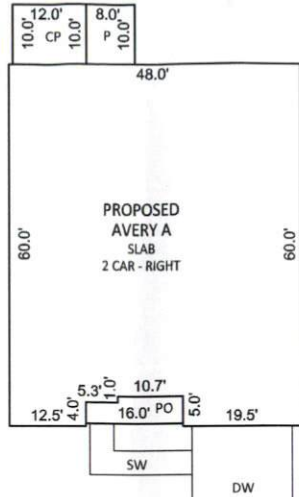
S (Suitable) or U (Unsuitable)

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



LOT INFORMATION 151:

PIN: 0693-46-1348.000
 REFERENCE: DB 4212 PG 1222
 TOTAL LOT AREA = 0.58 AC = 25,135 SF
 MAX. IMPERVIOUS = 5,500 SF
 HOUSE = 2,805 SF
 PORCH = 67 SF
 SIDEWALKS = 85 SF
 DRIVEWAY = 611 SF
 COVERED PATIO = 120 SF
 PATIO = 80 SF
 PROPOSED IMPERVIOUS = 3,768 SF
 PERCENT IMPERVIOUS = 14.99%



INSET SCALE: 1"=20'

NOTES:

- THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
- THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
- PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
- THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
- THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK.
- NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.
- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
- THIS PROPERTY IS NOT LOCATED IN A FLOOD HAZARD AREA. IT IS LOCATED IN ZONE "X" PER F.E.M.A. MAP NUMBER 3720068200J DATED 10/03/2006.
- ZONING: RA-30
- PROPERTY OWNER: SMITH DOUGLAS HOMES
2520 RELIANCE AVENUE
APEX, NC 27539

BUILDING SETBACKS

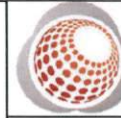
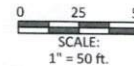
FRONT - 35'
 REAR - 25'
 SIDE - 10'
 SIDE CORNER - 20'



N/P
 WRKDR PROPERTIES LLC
 DB 4162 PG 439



ORIENTAL STREET
 50' PUBLIC R/W & UTILITY EASEMENT



Bateman Civil Survey Company

Engineers • Surveyors • Planners
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 NCBELS Firm No. C-2378

VICINITY MAP

(Not to Scale)

LEGEND

- PO = PORCH
- CP = COVERED PORCH
- SP = SCREENED PORCH
- DW = SIDEWALK
- SW = CONC DRIVEWAY
- SP = SCREENED PORCH
- P = CONCRETE PATIO
- ⊗ = COMPUTED POINT
- = IRON PIPE FOUND (IPF)
- = IRON PIPE SET (IPS)
- = DRILL HOLE FOUND
- WM = WATER METER
- CO = CLEAN OUT
- AC = AIR CONDITIONER PAD
- ⊙ = CABLE BOX
- ⊙ = SEWER MANOLE
- ⊙ = TELEPHONE PEDESTAL
- CB = CATCH BASIN
- ⊙ = LIGHT POLE
- ⊙ = HAND HOLE
- ⊙ = ELECTRIC BOX
- ⊙ = FIRE HYDRANT
- YI = YARD INLET
- G = GAS METER
- E = ELECTRIC METER
- LW = LEAD WALK

I, STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK REFERENCED IN TITLE BLOCK), THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER REFERENCES; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARD OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA, L-4752 DATED:

PRELIMINARY

This map is of an existing parcel of land and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

PRELIMINARY PLOT PLAN
 FOR
SMITH DOUGLAS HOMES

TOBACCO ROAD - PHASE 1 & 3 - LOT 156
 171 ORIENTAL STREET, ANGIER, NC
 BLACK RIVER TOWNSHIP, HARNETT COUNTY

DATE: 12/30/23 DRAWN BY: AHB CHECKED BY: SPC

REFERENCE: BM 2023 PGS. 563-568 BCS# 230801 SCALE: 1" = 50'