

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Porter Built Homes LLC DATE EVALUATED: 2-1-24
 ADDRESS: 64 Dutton Ct, Fugate ver. 29
 PROPOSED FACILITY: SPD 50509 PROPOSED DESIGN FLOW (.0400): 400 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		
1	2-3% LS	0-17	SL, g ^r	Fr, NS, NP, SE	7.5YR 5/8 7/2 = 32"	48"			.3	
		17-32	SCL, SBK	Fr, SS, SP, SE						
		32-48	CL, W ^r SBK	Fr, NS, NP, SE						
2	5-6% LS	0-13	SL, g ^r	Fr, NS, NP, SE	7.5YR 5/8 7/2 = 38"	48"			.3	
		13-38	SCL, SBK	Fr, SS, SP, SE						
		38-48	CL, W ^r SBK	Fr, NS, NP, SE						
3	4-5% LS	0-8	SL, g ^r	Fr, NS, NP, SE	7.5YR 5/8 7/2 = 26"	48"			.3	
		8-26	SCL, SBK	Fr, SS, NP, SE						
		26-48	CL, W ^r SBK	Fr, NS, NP, SE						
4	4-5% LS	0-24	SL	Fr, NS, NP, SE					.35	
		24-48	SCL	Fr, SS, NP, SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>PS</u> EVALUATED BY: <u>RL/JM</u> OTHER(S) PRESENT: _____
Available Space (.0508)	✓	✓	
System Type(s)	<u>25% Red</u>	<u>25% Red</u>	
Site LTAR	<u>.3</u>	<u>.3</u>	
Maximum Trench Depth	<u>16'-20"</u>	<u>14"</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		None	EFI (Extremely firm)	SP (Slightly plastic)
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.

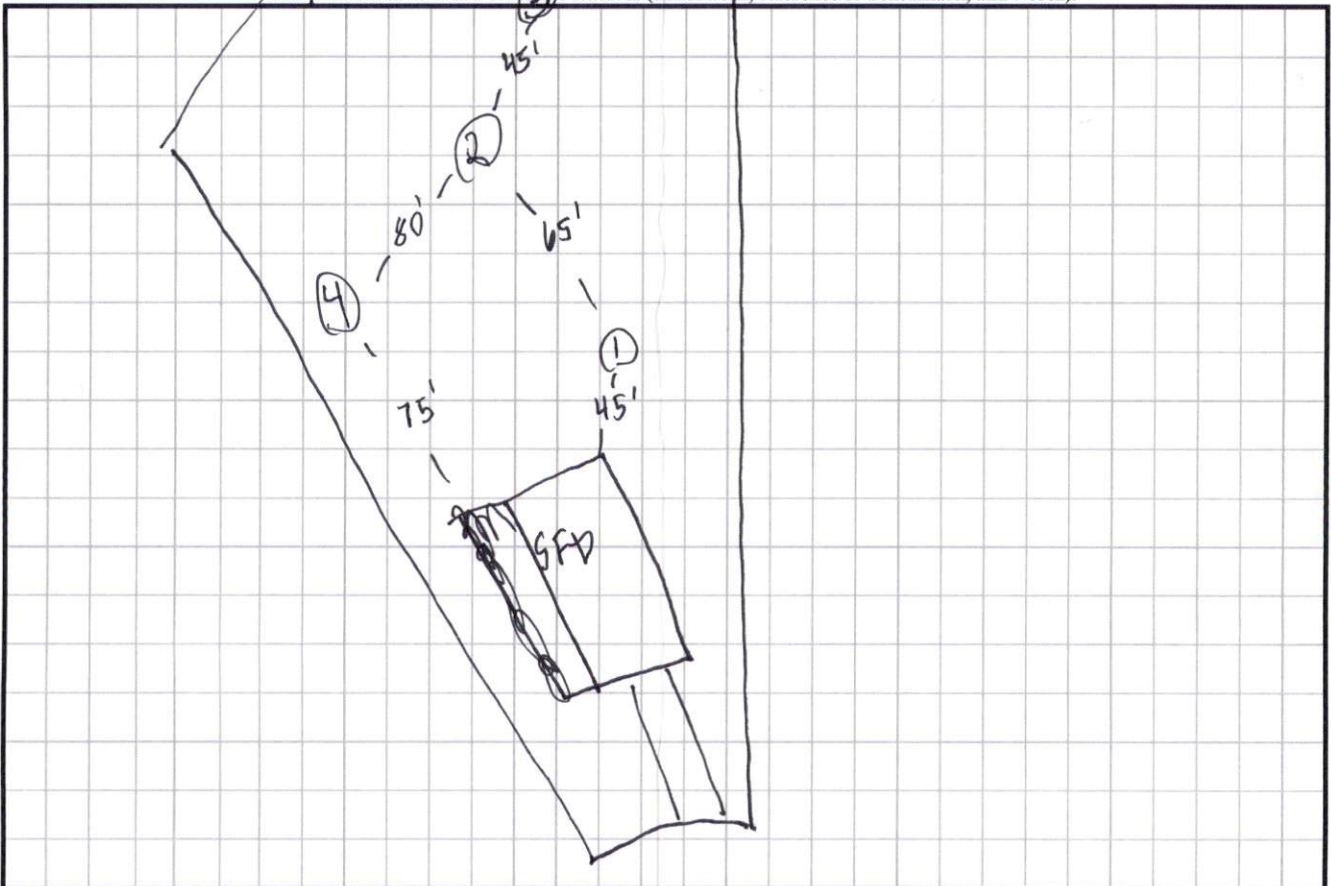
SOIL WETNESS

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).



REFERENCES: DEED BOOK 4206, PAGE 154.
 PLAT BOOK 2023, PAGES 200-207
 PROPERTY ADDRESS: 64 DATTON COURT
 FUQUAY VARINA, N.C.
 ALL DISTANCES SHOWN HEREON ARE U.S. SURVEY
 FEET HORIZONTAL GROUND MEASUREMENTS.
 AREA BY THE D.M.D. METHOD
 6,000 SQ. FT. MAXIMUM IMPERVIOUS ALLOWED.

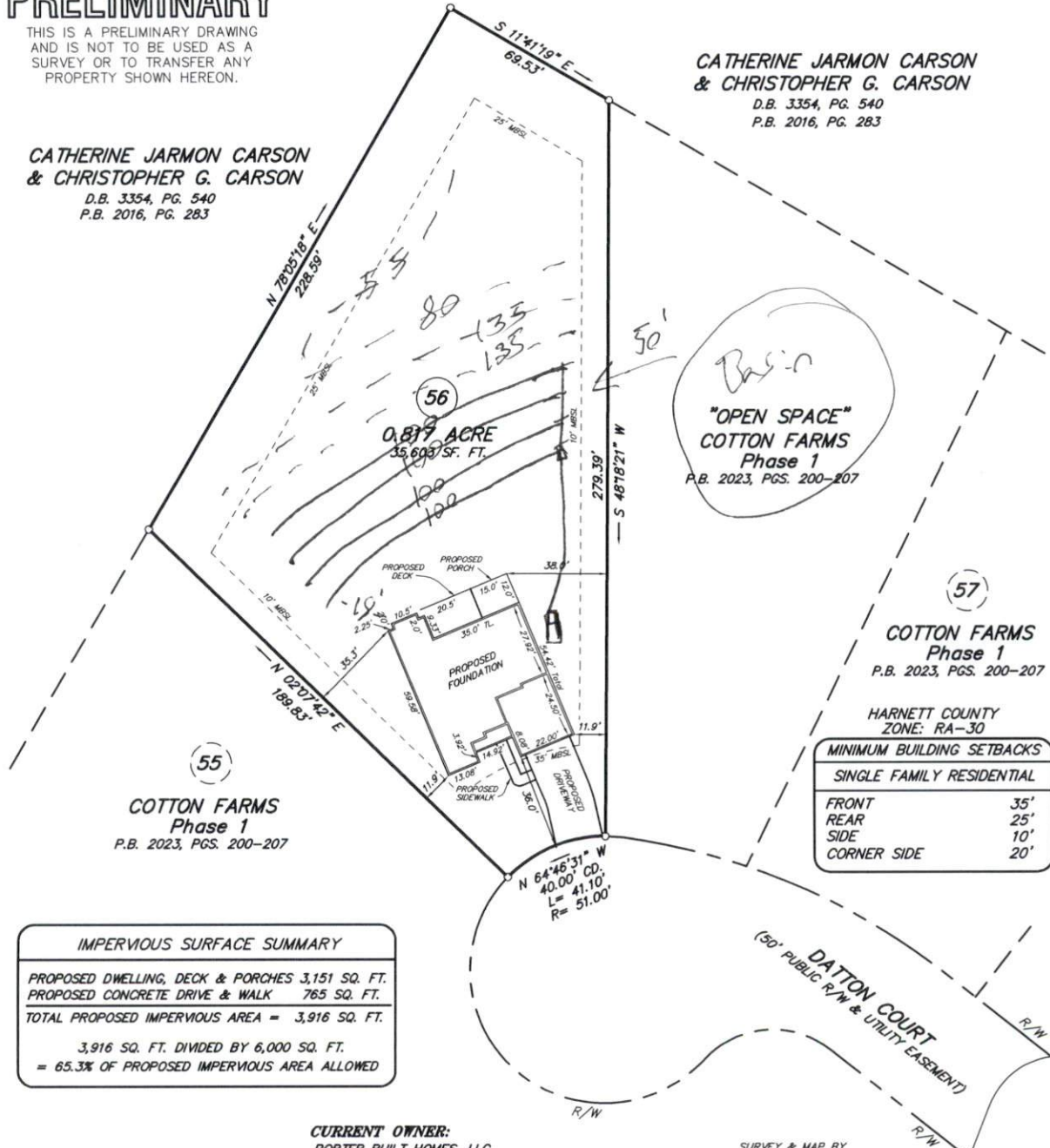


PRELIMINARY

THIS IS A PRELIMINARY DRAWING
 AND IS NOT TO BE USED AS A
 SURVEY OR TO TRANSFER ANY
 PROPERTY SHOWN HEREON.

**CATHERINE JARMON CARSON
 & CHRISTOPHER G. CARSON**
 D.B. 3354, PG. 540
 P.B. 2016, PG. 283

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COTTON FARMS
Phase 1
 P.B. 2023, PGS. 200-207

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COTTON FARMS
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HARNETT COUNTY
 ZONE: RA-30

MINIMUM BUILDING SETBACKS	
SINGLE FAMILY RESIDENTIAL	
FRONT	35'
REAR	25'
SIDE	10'
CORNER SIDE	20'

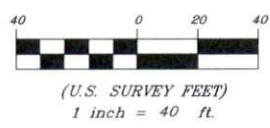
IMPERVIOUS SURFACE SUMMARY	
PROPOSED DWELLING, DECK & PORCHES	3,151 SQ. FT.
PROPOSED CONCRETE DRIVE & WALK	765 SQ. FT.
TOTAL PROPOSED IMPERVIOUS AREA =	3,916 SQ. FT.
3,916 SQ. FT. DIVIDED BY 6,000 SQ. FT.	
= 65.3% OF PROPOSED IMPERVIOUS AREA ALLOWED	

CURRENT OWNER:
 PORTER BUILT HOMES, LLC
 2664 TIMBER DRIVE
 SUITE 115
 GARNER, N.C. 27529-2571

SURVEY & MAP BY
BOBBY FUQUAY and ASSOCIATES
 6525 MAL WEATHERS RD., RALEIGH N.C., 27603
 (919) 880-3309

LEGEND:

- SURVEYED LINE
- - - RIGHT-OF-WAY LINE
- - - UNSURVEYED LINE
- EIP = EXISTING IRON PIPE
- IRON FOUND UNLESS OTHERWISE NOTED
- MBSL = MINIMUM BUILDING SETBACK LINE
- R/W = RIGHT OF WAY



PLAN: THE ELITE

SITE PLAN FOR
PORTER BUILT HOMES, LLC
 HECTORS CREEK TOWNSHIP, HARNETT COUNTY, NORTH CAROLINA

PIN: 0643-27-2898.000	SCALE: 1" = 40'
DATE: 12-06-2023	DRAWING: 202342