

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

OWNER: DATE EVALUATED: 5/20
ADDRESS:
PROPOSED FACILITY: 3 BDRM PROPOSED DESIGN FLOW (.0400): 360 gpd 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	LS 15%	0-48	GS	VR NS/NP					S .8	
2		0-48	GS	VR NS/NP					S .8	
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): S EVALUATED BY: GS OTHER(S) PRESENT: —
Available Space (.0508)	✓	✓	
System Type(s)	CON	CON	
Site LTAR	.8	.8	
Maximum Trench Depth	24	24	

Comments:

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
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		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
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

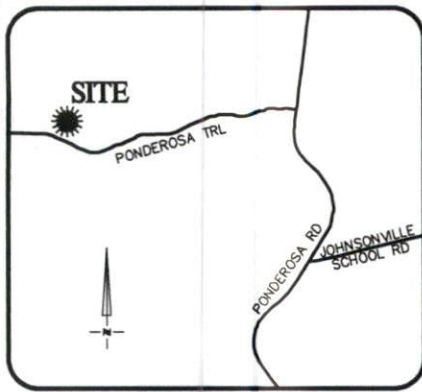
RESTRICTIVE HORIZON Thickness and depth from land surface

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).



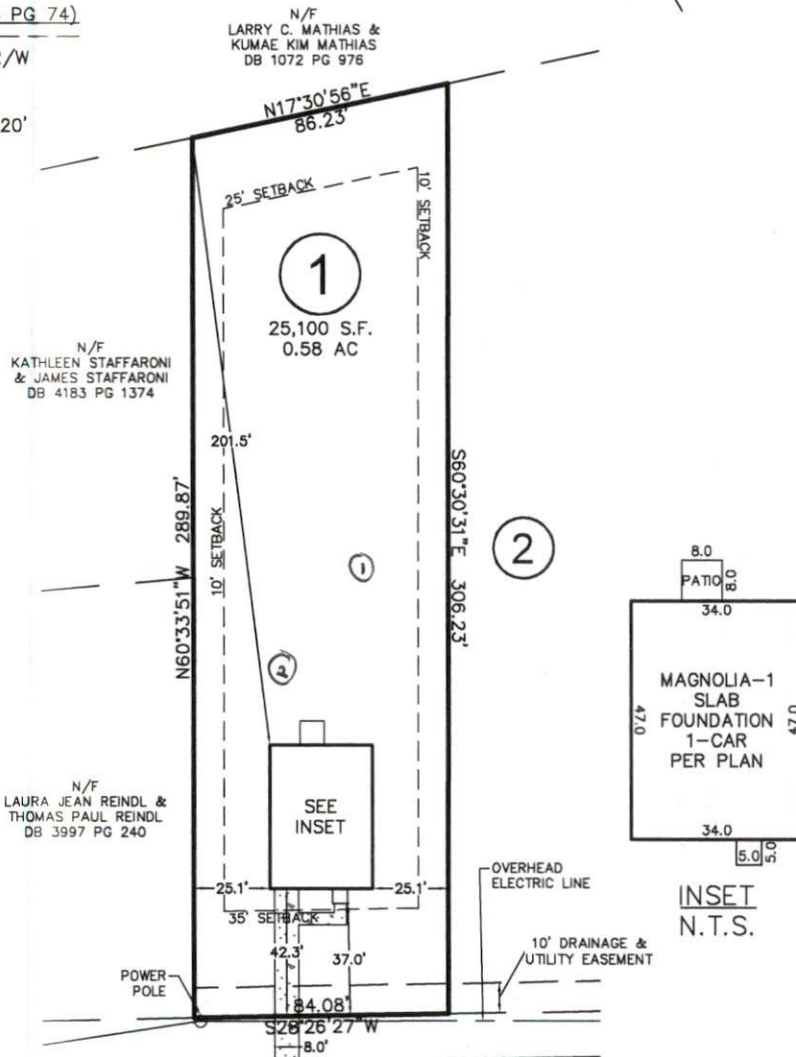
VICINITY MAP
Not To Scale



IMPERVIOUS SURFACE AREA	
DESCRIPTION	AREA
HOUSE w/ PORCH	1,623 S.F.
COV PORCH/HVAC	73 S.F.
DRIVEWAY & WALKS	415 S.F.
TOTAL (PROPOSED)=	2,111 S.F.
LOT AREA =	25,100 S.F.
% IMPERVIOUS AREA	=8.4%

SETBACKS: (BM 2024 PG 74)

FRONT - 35' FROM R/W
REAR - 25'
SIDE - 10'
CORNER LOT SIDE - 20'



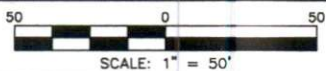
FERN RIDGE DRIVE

(SR 1375)
60' PUBLIC R/W

THIS PROPERTY MAY BE SUBJECT TO ANY AND ALL APPLICABLE DEED RESTRICTIONS, EASEMENTS, RIGHT-OF-WAY, UTILITIES AND RESTRICTIVE COVENANTS WHICH MAY BE OF RECORD OR IMPLIED

THIS DRAWING DOES NOT
REFLECT AS-BUILT INFORMATION

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES



SCALE: 1" = 50'

**RESIDENTIAL
LAND SERVICES, PLLC.**

1917 Evans Road
Cary, North Carolina 27513
Phone (919) 378-9316
Firm License # P-0873

HOUSE LOCATION PLOT PLAN

FOR
#55 FERN RIDGE DRIVE
LOT 1, CAROLINA SEASONS, PHASE 3

Johnsonville Township, Harnett County, North Carolina

PROPERTY OF: GLENWOOD HOMES
MAP BOOK 2024 PAGE 74 DEED REFERENCE

DRAWN: ADP SURVEYED: N/A CHECKED: DMR DATE: APRIL 23, 2025