

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: H/Hunt Homes DATE EVALUATED: 6-16-25

ADDRESS: 120 White Magnolia

PROPOSED FACILITY: SFD 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/ 4	4-5% LS	0-4	SL, g'			48"			.3	
		4-48	Clay, SBR	FI, SS, SP, SE						
2/ 3	4-5% LS	0-10	SL, g'			48"			.3	
		10-48	Clay, SBR	FI, SS, SP, SE						
5/ 6 <del>4</del>	5-6% LS	0-10	SL, g'			48" Sap at 43"			.3	
		10-43	Clay, SBR	FI, SS, SP, SE						
		43-48	Clay/Sg							
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>5</u> EVALUATED BY: <u>RL</u> OTHER(S) PRESENT: _____
Available Space (.0508)	<u>✓</u>	<u>✓</u>	
System Type(s)	<u>25% Red</u>	<u>25% Red</u>	
Site LTAR	<u>.3</u>	<u>.3</u>	
Maximum Trench Depth	<u>18-28"</u>	<u>18-28"</u>	

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)						
S (Shoulder slope)		IV				SC (Sandy clay)	0.1 - 0.4	0.05 - 0.2
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.

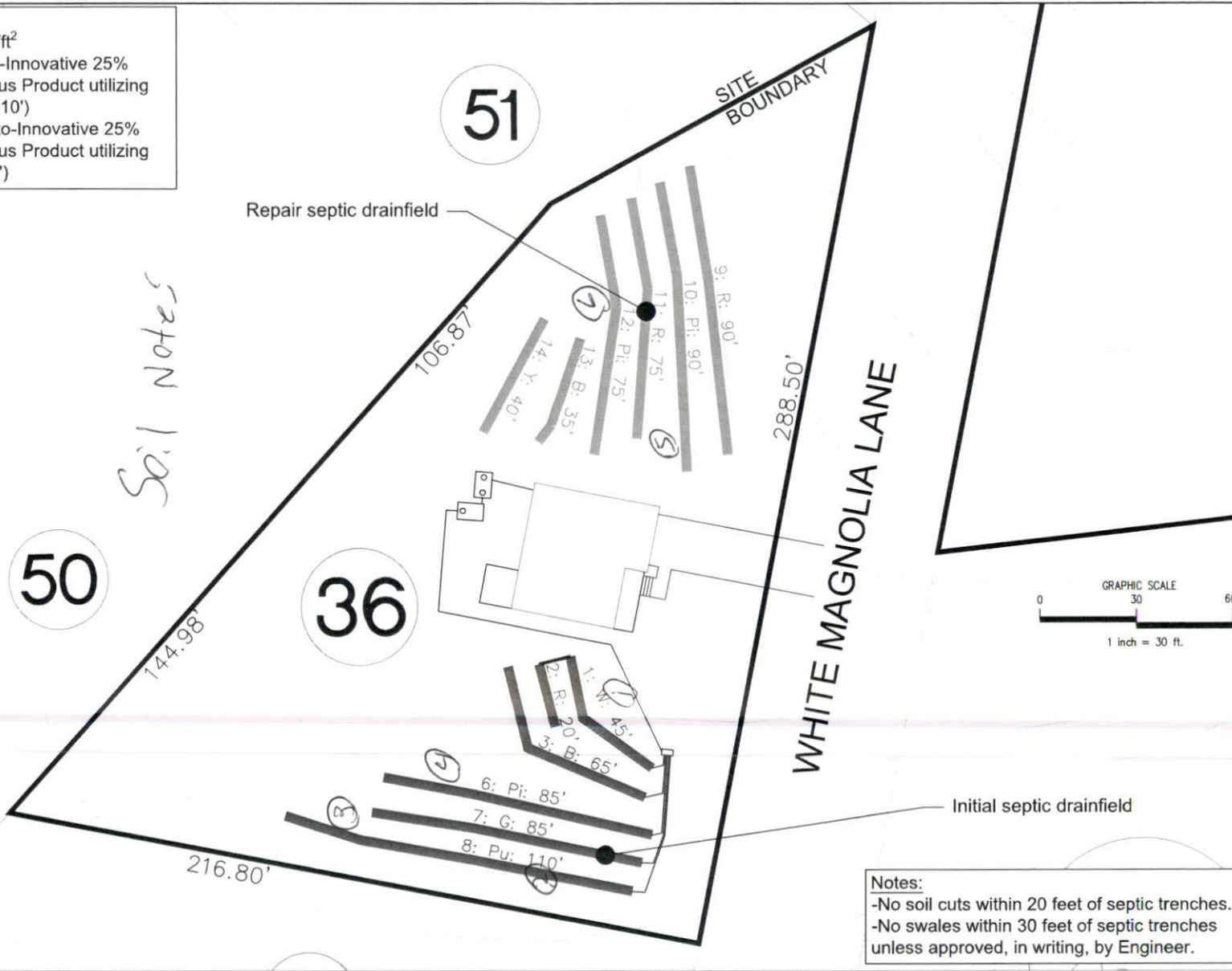
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

CLASSIFICATION S (Suitable) or U (Unsuitable)


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

4-Bedroom  
 LTAR: 0.3 gpd/ft<sup>2</sup>  
 Initial: Pump-to-Innovative 25%  
 Reduction Status Product utilizing  
 lines 1-3,6-8 (410')  
 Repair: Pump-to-Innovative 25%  
 Reduction Status Product utilizing  
 lines 9-14 (405')

*Soil Notes*



Notes:  
 -No soil cuts within 20 feet of septic trenches.  
 -No swales within 30 feet of septic trenches  
 unless approved, in writing, by Engineer.

 <b>MITCHELL ENVIRONMENTAL, PA</b> <i>C-2917</i> <b>1501 LAKESTONE VILLAGE LANE</b> <b>SUITE 205</b> <b>FUQUAY VARINA, NC 27526</b>	PREPARED FOR : Pfeiffer Homes Suite 280 Salem Street Cary, NC 27511	REVISION NO. Original Submitted	DATE May 21, 2025	<b>SHEET NUMBER</b>  <b>1 of 7</b>  <b>Magnolia Avenue</b> <b>Lot 36</b> <b>Overall Septic</b>
	DATE : May 21, 2025	Revision 1		
	DESIGNER CONTACT: ADAM AYCOCK, D	Revision 2		
	DRAWN BY: ADAM AYCOCK, D	Revision 3		
		Master Set		