

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

OWNER: Juan Guerrero Sanlova DATE EVALUATED: 8-17-24
 ADDRESS: 1227 Lafayette
 PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.0400): 460 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 2 6 7	2-3% LS	0-16	SL, g ¹		7.5 YR 7/1 = 16" T _{act} 2.5 YR 5/8 = 16-30" 38" = 7.5 YR 7/1	48"			.3	
		16-38	SCL, SBK	Fr, SS, SP, SE						
		38-48	CL, S ¹ SBK							
3 4 8	2-3% LS	0-12	SL, g ¹		7.5 YR 7/1 = 10" < 12" of usable soil	48"			.3	
		12-48	SCL, SBK	Fr, SS, SP, SE				Water Table at 14"		
5 8	2-3% LS	0-6"	SL, g ¹		26"			.3		
		6-26"	SCL, SBK	Fr, SS, SP, SE			Water Table at 26"			
		26- Water Table								
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>RL</u> OTHER(S) PRESENT: _____
Available Space (.0508)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
System Type(s)	<u>25% Reb</u>	<u>50% Reb</u>	
Site LTAR	<u>.3</u>	<u>.3</u>	
Maximum Trench Depth	<u>18-24"</u>	<u>18-24"</u>	
Comments:	<u>Reb 15"</u>		

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	Lo (Loose)	NS (Non-sticky)	SG (Single grain)		
CV (Convex Slope)		LS (Loamy sand)		0.5 - 0.7		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		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)		
R (Ridge/summit)		Si (Silt)							VP (Very plastic)	
S (Shoulder slope)		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.

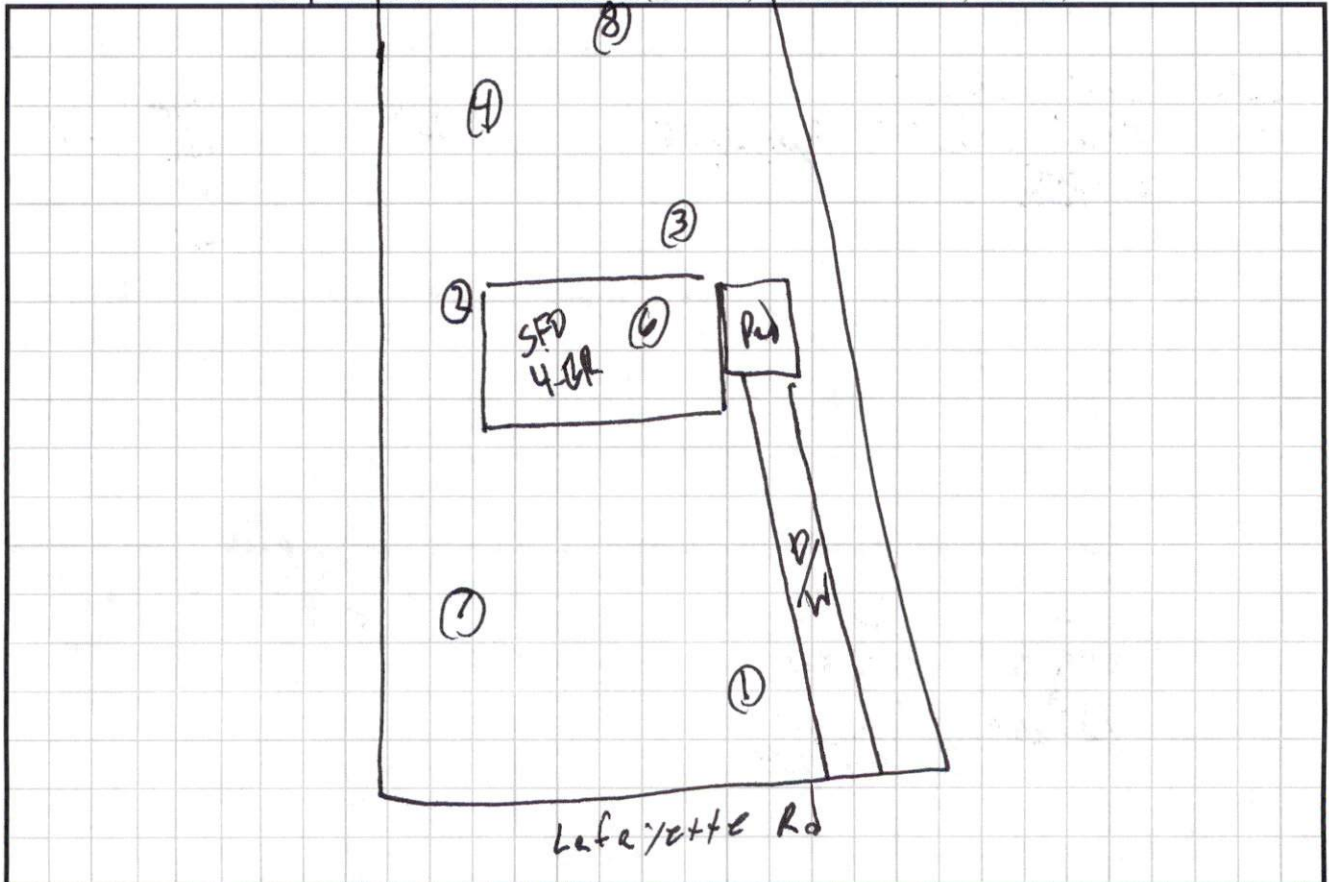
SOIL WETNESS

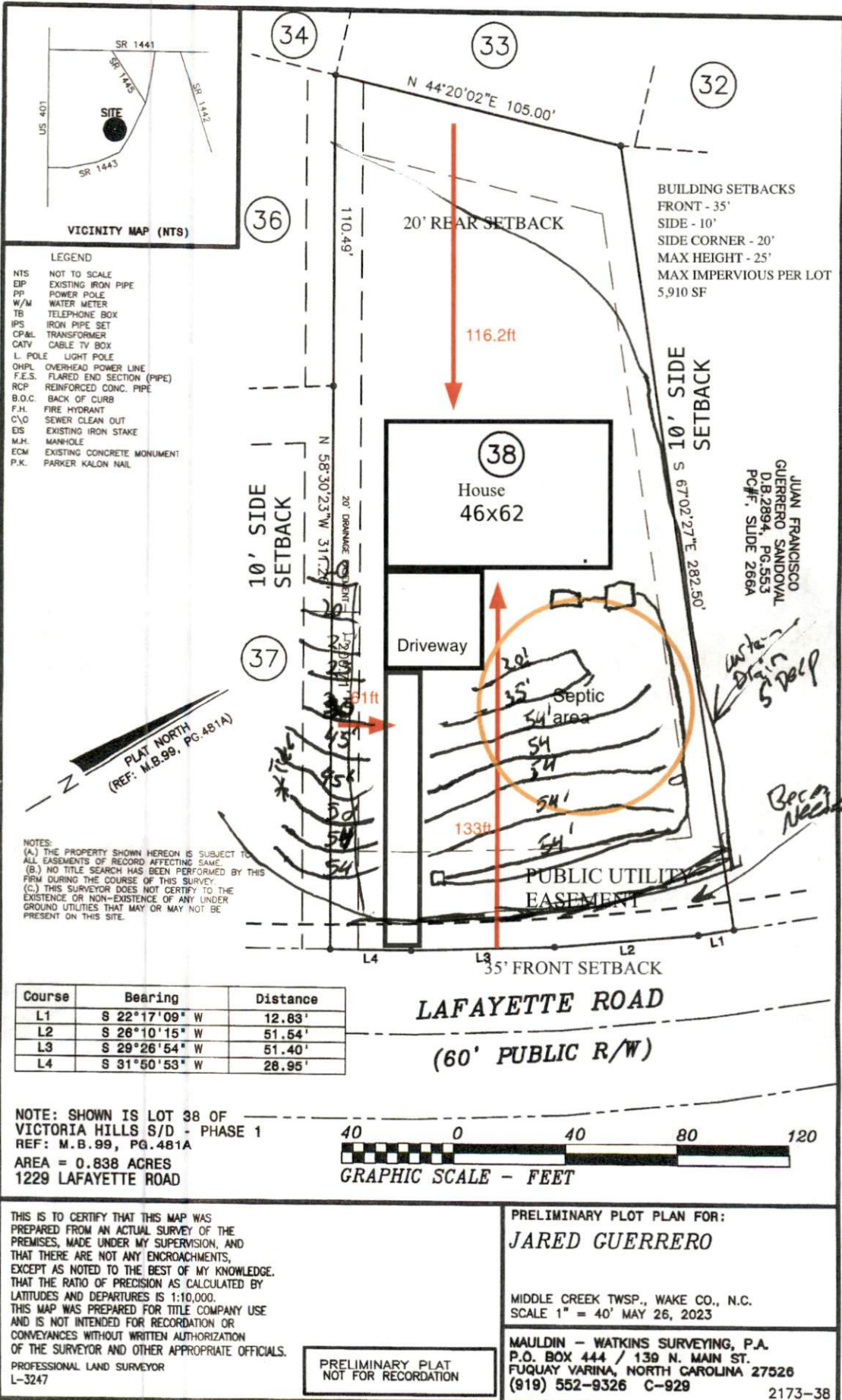
Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

CLASSIFICATION

S (Suitable) or U (Unsuitable)

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





NOTE: SHOWN IS LOT 38 OF VICTORIA HILLS S/D - PHASE 1
 REF: M.B.99, PG.481A
 AREA = 0.838 ACRES
 1229 LAFAYETTE ROAD

PRELIMINARY PLAT NOT FOR RECORDATION

BUILDING SETBACKS
 FRONT - 35'
 SIDE - 10'
 SIDE CORNER - 20'
 MAX HEIGHT - 25'
 MAX IMPERVIOUS PER LOT 5,910 SF

JUAN FRANCISCO GUERRERO SANDOVAL
 D.B.2894, PG.553
 PC#F. SUIDE 266A

Water Drain S Deep
Beach Needed

10' SIDE SETBACK

10' SIDE SETBACK

N 44°20'02"E 105.00'

20' REAR SETBACK

116.2ft

House 46x62

Driveway

Septic area

PUBLIC UTILITY EASEMENT

35' FRONT SETBACK

LAFAYETTE ROAD

(60' PUBLIC R/W)

10' SIDE SETBACK

10' SIDE SETBACK

PLAT NORTH
 (REF: M.B.99, PG.481A)

