

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Smith Douglas Homes DATE EVALUATED: 8-6-24
 ADDRESS: 310 Orienta 1 St, Angier
 PROPOSED FACILITY: SFD 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/ 2	2-3% LS	0-28	SL, 9'						.35		
		28-40	SCL, SBK		48"						
		44-48	CL, WK SBK	Fr, SS, NP, SE							
3/ 7 2	2-3% LS	0-15	SL, 9'			7.5 YR 71=38"	48"			.3	
		15-38	SCL, SBK	Fr, SS, SP, SE							
		38-48	CL, WK SBK								
4/ 5/ 6 3	2-3%	0-28	SL, 9'		48"				.35		
		28-40	SCL, SBK								
		40-48	CL, WK SBK	Fr, SS, NP, SE							
4											

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>KL</u> OTHER(S) PRESENT: _____
Available Space (.0508)	✓	✓	
System Type(s)	<u>25% Red</u>	<u>50% Red</u>	
Site LTAR	<u>.3</u>	<u>.35</u>	
Maximum Trench Depth	<u>18-24"</u>	<u>18-28"</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	SEXP (Slightly expansive)	EFI (Extremely firm)	SP (Slightly plastic)
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	EXP (Expansive)		
T (Terrace)			SiC (Silty clay)						
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).

