

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

OWNER: Lilium Homes INC DATE EVALUATED: 6-20-24  
 ADDRESS: 389 Deer Tail LN Fuquay  
 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, 2, 3	2-3% LS	0-8	SL, gc						.4	48"
		8-25	SCL, SBK							
		25-48	CL/sap, SBK	Fr, NS, Mg, SE						
4	2-3% LS	0-8	SL, gc						.35	48"
		8-32	SCL, SBK	Fr, SS, SP, SE	7.5YR 7/1=32"					
		32-48	CL/sap, SBK							
5	2-3% LS	0-17	SL, gc						.35	48"
		17-29	SCL, SBK	Fr, SS, SP, SE	7.5YR 7/1=29"					
		29-48	CL, SBK							
6	2-3% LS	0-17	SL, gc						.3	48"
		17-21	SCL, SBK	Fr, SS, SP, SE	7.5YR 7/1=21"					
		21-48	CL, SBK							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>5</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% Red</u>	<u>50% Red</u>	
Site LTAR	<u>.35</u>	<u>.3</u>	
Maximum Trench Depth	<u>18"-</u>	<u>18"</u>	

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft <sup>2</sup> )	SAPROLITE LTAR (gpd/ft <sup>2</sup> )	LPP LTAR (gpd/ft <sup>2</sup> )	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)	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		
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 saporlite 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 saporlite 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).**

