

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

OWNER: DRB Homes NC LLC DATE EVALUATED: 2-8-24  
 ADDRESS: SFD 50' x 40' 63 unimbral ct, Lot 99  
 PROPOSED FACILITY: SFD 50' x 40' 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	0-40	SL, gl	FI, NS, NP, SE	48"			REKS	.4	
		40-48	SL, SBK	FI, SS, NP, SE						
2	2-3% LS	0-36	SL, gl	FI, NS, NP, SE	48"				.4	
		36-48	SL, SBK	FI, SS, NP, SE						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SITE CLASSIFICATION (.0509): <u>PS</u> EVALUATED BY: <u>AL/JM</u> OTHER(S) PRESENT: _____
System Type(s)	<u>25% Red</u>	<u>50% Red</u>	
Site LTAR	<u>.4</u>	<u>.4</u>	
Maximum Trench Depth	<u>30" - 18"</u>	<u>22" - 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	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.

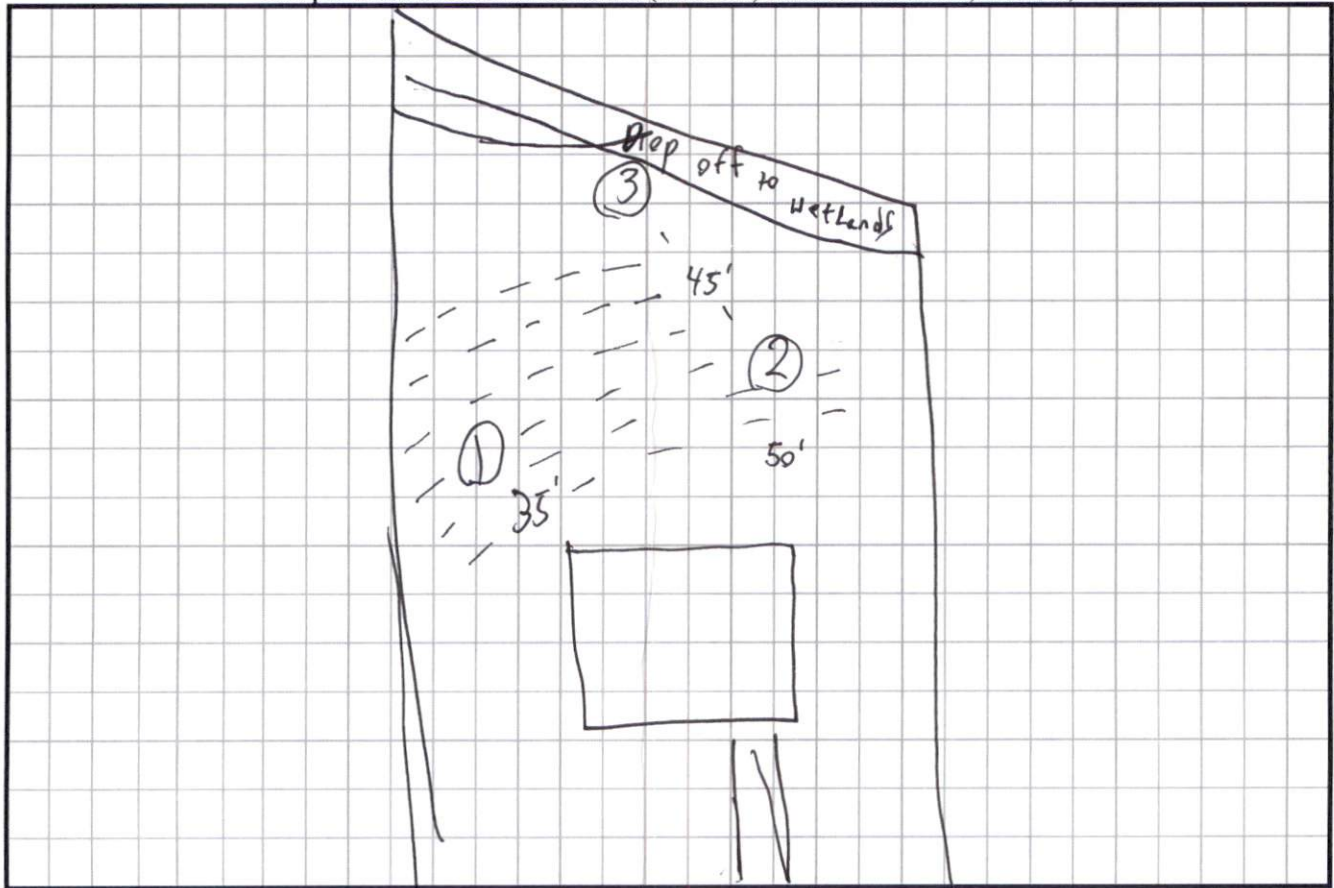
**SOIL WETNESS**

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**

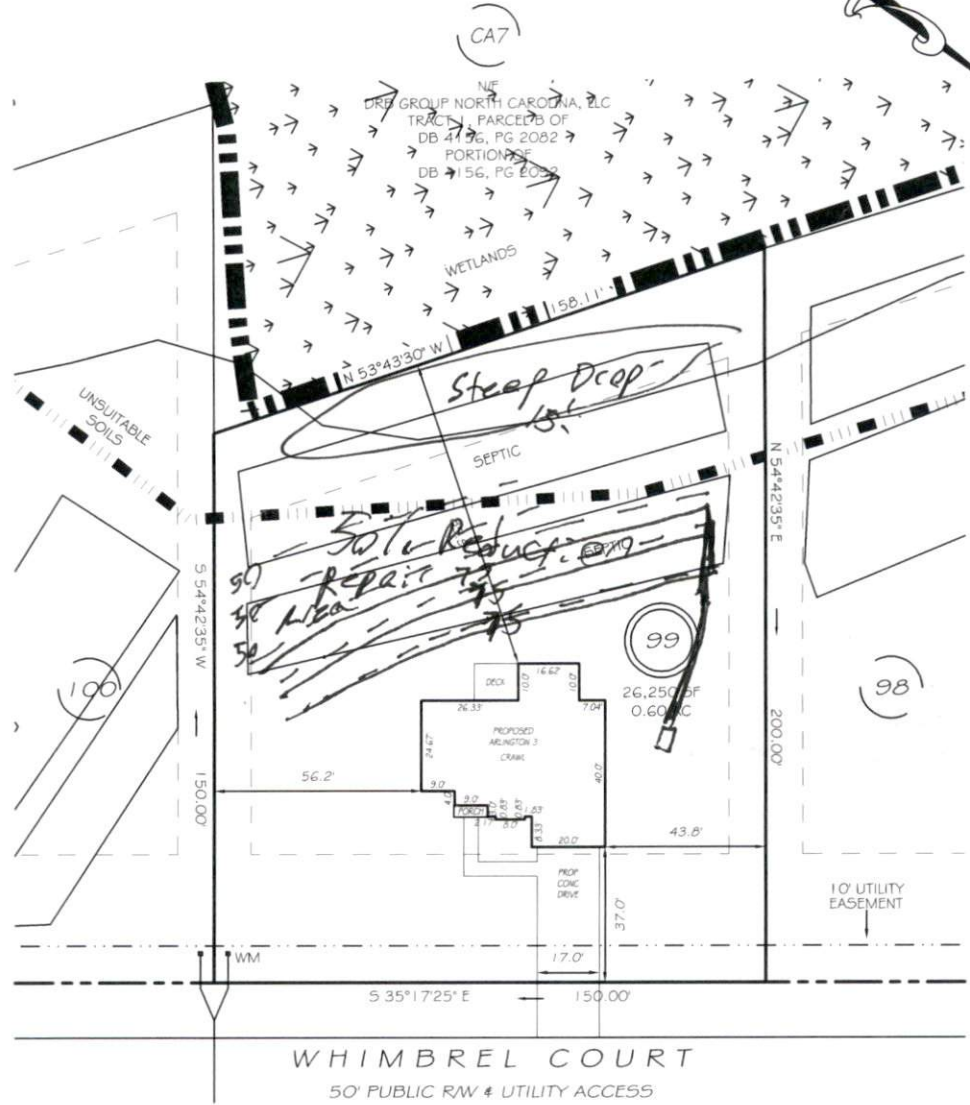
S (Suitable) or U (Unsuitable)

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





I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1:10,000+; that the area shown hereon was calculated by coordinates.  
 Witness my hand and seal this day of MONTH 2023.



ZONING: RA-30  
 SETBACKS  
 FRONT 35'  
 REAR 25'  
 SIDE 10'  
 CORNER SIDE 20'

**PRELIMINARY**  
 NOT FOR RECORDATION,  
 SALES OR CONVEYANCE

**LEGEND**

EIP	EXISTING IRON PIPE	FES	FLARED END SECTION
IPS	IRON PIPE SET	WM	WATER METER
RAW	RIGHT OF WAY	CO	CLEAN OUT
N/F	NOW OR FORMERLY	FH	FIRE HYDRANT
EIS	EXISTING IRON STAKE	CB	CATCH BASIN



**LS** GRIFFIN LAND SURVEYING, INC.  
 P.O. BOX 148  
 FUQUAY-VARINA, NC 27526  
 (919) - 567-1963

**PLOT PLAN**  
 FOR  
**DRB HOMES**  
 BLAKE POND SUBDIVISION  
 LOT 99  
 63 WHIMBREL COURT  
 LILLINGTON, N.C.  
 HARNETT COUNTY NEILL'S CREEK & GROVE TOWNSHIP

DRAWN BY	KDF	DATE	12/21/23
CHECKED BY	MPG	SCALE	1" = 40'

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION: BLAKE POND

LOT 99

INITIAL SYSTEM: APPROVED 25% REDUCTION

REPAIR: APPROVED 25% REDUCTION

DISTRIBUTION: SERIAL

DISTRIBUTION SERIAL

BENCHMARK: 100.0

LOCATION PC 98/99

NO. BEDROOMS: 4

LTAR 0.35 GPD/FT<sup>2</sup>

SEPTIC TANK SIZE: 1000

PUMP TANK SIZE: NA

LINE	FLAG COLOR	ELEVATION	LENGTH
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*In. full system*

1	B	106.00	115'
2	R	105.42	115'
3	B	104.92	115'
			<u>345'</u>
4	R	104.84	115'
5	B	104.42	115'
6	R	103.84	115'
			<u>345'</u>

BY: M EAKER

DATE 12/2022

TYPICAL PROFILE

0-10 US (UF, wgs)  
10-40+ SCL (F, sbl)  
cr 2 ≥ 34"  
INITIAL AT 18"

**THERE SHALL BE NO GRADING,  
 CUTTING, LOGGING OR OTHER SOIL  
 DISTURBANCE IN SEPTIC AREA**

HEALTH DEPARTMENT USE ONLY.  
 DESIGNS DO NOT GUARANTEE FUNCTIONALITY

# Southeastern Soil & Environmental Associates, Inc.

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