Department of Environment, Health and Natural Resources Division of Environmental Health On-Site Wastewater Section Sheet: Property ID: Lot #: File #: Code:

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner:	Applicant:			
Address: Proposed Facility:	3 30W)	Date Evaluated: Design Flow (.1949): 360 see	Property Size:	
Location of Site: Water Supply:	Public	Property Recorded:  Individual Well	☐ Spring	Other
Evaluation Method Type of Wastewate	Auger Boring Sewa	☐ Pit ☐ Cut ge ☐ Industrial Process	☐ Mixed	

P R O I .1940 Landscape E Position/ Slope %		SOIL MORPHOLOGY .1941		PF					
	Horizon Depth (In.)	.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR	
i	2.5	020	6 52	VFO ms/4P					
	ī	20-42	SBK SCL	VFO ms/49 FOL 5/39					P5,35
2		0.20	6 52	VT-Q NS/MP					
		20.22	SBIL SCL	galen str					135
									1 1 4
	8								
	1								
			-						
									46
						,			

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948):
Available Space (.1945)			Evaluated By:
System Type(s)	25	\$ NACO	Others Present:
Site LTAR	25	.35	

COMMENTS: \_\_\_\_

LANDSCAPE POSITIONS	<u>GROUP</u>	TEXTURES	. <u>1955 LTAR</u>	CONSISTENCE MOIST	WET
R-RIDGE S-SHOULDER SLOPE L-LINEAR SLOPE	I	S-SAND LS-LOAMY SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE	NS-NON-STICKY SS-SLIGHTY STICKY
FS-FOOT SLOPE N-NOSE SLOPE H-HEAD SLOPE	II	SL-SANDY LOAM L-LOAM	0.8 - 0.6	FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	S-STICKY VS-VERY STICKY NP-NON-PLASTIC
CC-CONCLAVE SLOPE CV-CONVEX SLOPE T-TERRACE FP-FLOOD PLAN	III	SI-SILT SIL-SILT LOAM CL-CLAY LOAM SCL-SANDY CLAY LOAM	0.6 - 0.3	ET ETTEL TIME	SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC

IV SIC-SILTY CLAY 0.4 - 0.1

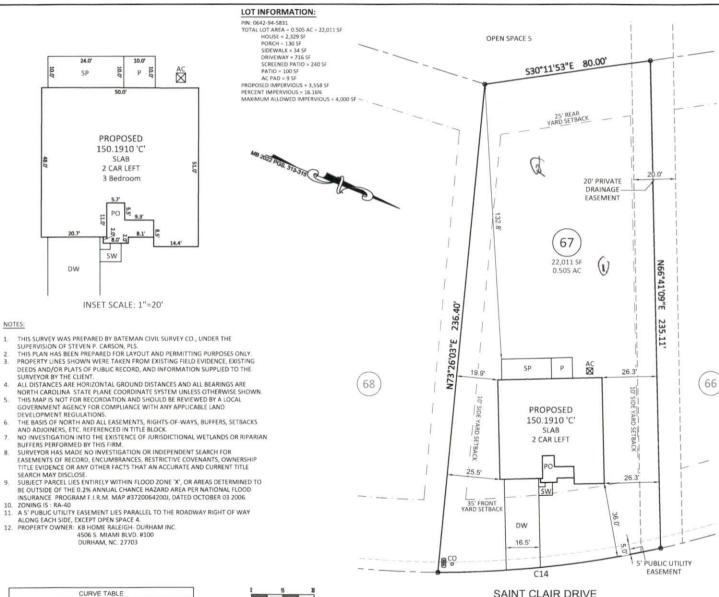
C-CLAY SC-SANDY CLAY

STRUCTURE SG-SINGLE GRAIN M- MASSIVE CR-CRUMB GR-GRANULAR SBK-SUBANGULAR BLOCKY ABK-ANGULAR BLOCKY PL-PLATY PR-PRISMATIC

MINERALOGY SLIGHTLY EXPANSIVE

**EXPANSIVE** 

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





CURVE RADIUS LENGTH CHORD DIRECTION CHORD

107.83

C14

475.00

S28°14'31"E

107.60

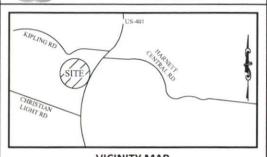
SAINT CLAIR DRIVE 50' PUBLIC RIGHT-OF-WAY & UTILITY



## **Bateman Civil Survey Company**

Engineers • Surveyors • Planners

2524 Reliance Avenue, Apex, NC 27539 Ph. 919.577.1080 Fax: 919.577.1081 www.batemancivitsurvey.com info@batema NCBELS Firm No. C-2378



## VICINITY MAP

(Not to Scale)

#### LEGEND PO = PORCH

PO = PORCH
P = PATIO
SP = SCREENED PORCH OR PATIO
CP = COVERED PORCH OR PATIO

WD= WOOD DECK SW= SIDEWALK
DW= CONC DRIVEWAY
S = COMPUTED POINT

= IRON PIPE FOUND = IRON PIPE SET (IPS)

= CLEANOUT = AIR CONDITIONER

EE = ELECTRIC BOX

C = CABLE BOX

TELEPHONE PE

C = LIGHT POLE = TELEPHONE PEDESTAL = LIGHT POLE = CURB INLET VARD INLE

THAT THE RATIO OF PRECISION AS CALCILLATED IS 1:10,000+; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARD OF PRACTICE FOR LAND SURVEYING IN NORTH CARRIENA 1-4752 DATED: YI = TARD INLE!
FH = FIRE HYDRANT
HP = HANDICAP PORTAJOHN WITH SCREENING
S = SEWER MANHOLE

= FIRE HYDRANT TR = TRASH RECEPTACLES

BUILDING SETBACKS

This map is of an existing parcel of land and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

L STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS

DRAWN UNDER MY DIRECT SUPERVISION FROM A

FROM INFORMATION LISTED UNDER REFERENCES; THAT THE RATIO OF PRECISION AS CALCULATED IS

SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK

REFERENCED IN TITLE BLOCK I: THAT THE BOLINDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN

BUILDER TO VERIFY HOUSE LOCATION. DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

## PRELIMINARY PLOT PLAN

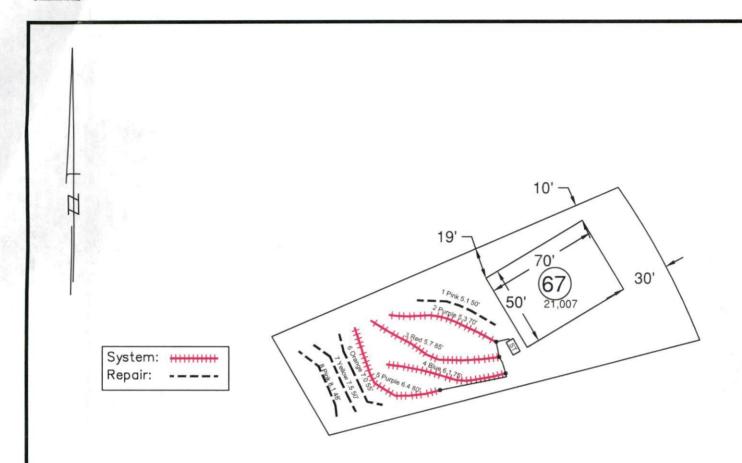
FOR

### **KB HOMES**

**BIRCHWOOD GROVE - PHASE 2 - LOT 67** 355 SAINT CLAIR DRIVE, FUQUAY-VARINA, NC HECTORS CREEK TOWNSHIP, HARNETT COUNTY

DATE: 7/11/22 DRAWN BY: WRA CHECKED BY: SPC

REFERENCE: MB 2022 PGS. 313-315 PROJECT# 220207 SCALE: 1"= 30"



- \*Keep tanks and drain lines 10' from property lines.
- \*Not a survey.
- \*Not a guarantee of a septic permit.
- \*Keep supply lines >5' from property lines.
  \*Some lines are flagged longer in the field than lengths indicate.
- \*No grading septic area.

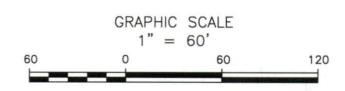
System: Gravity to Serial Dist.

Lines: 2-4, (310') Accepted EzFlo 0.4 Soil LTAR

Repair: Pressure Manifold

Lines: 5-8, (203') T&J Panel 50% Reduction

0.4 Soil LTAR





Central Carolina Soil Consulting, PLLC 1900 South Main Street, Suite 110 Wake Forest, North Carolina 27587 Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout Lot 67, Birchwood Subdivision Harnett County, North Carolina

Job#: 3753 Drawn By : LW Date: 8/01/2022 Revision:

# Birchwood Lot 67 T&J Panel Block Repair, TAP CHART

Bench Mark		is = 100.00	Location of	f BM				Elevation Head	9.50		
Pump tank e	lev.	8.2	91.80	Pump elev.	86.40	1	Manifold ele	ev.	95.90		Spacing of
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	# of Panels	Panels (in)
1	Pink	5.10	94.90	50	1/2in SCH 80	5.48	120.00	150	0.8000	12	3.7
6	Orange	7.00	93.00	55	1/2in SCH 80	5.48	120.00	165	0.7273	13	4.4
7	Yellow	7.50	92.50	50	1/2in SCH 80	5.48	120.00	150	0.8000	12	3.7
8	Pink	8.10	91.90	48	1/2in SCH 80	5.48	120.00	144	0.8333	11	5.8

							40
					Total Number	of Panels:	48
	total	feet = 203	gal/min =	21.92	LTAR =	0.4000	
					LTAR + %5	0.4200	
% of Dose Vol.	0	Des. Flow	480		(Itar W/ INOV)	0.8000	
Dose Volume	172.80	Pump Run=	21.90		(Itar W/ INOV + 5%	0.8400	
<b>Dose Pump Time</b>	7.88	Tank Gal/IN	19.65				
Drawdown in Inches	8.79						