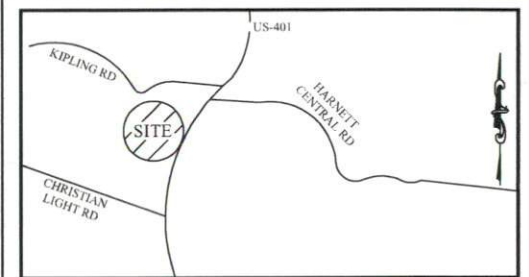








**Bateman Civil Survey Company**  
 Engineers • Surveyors • Planners  
 2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081  
 www.batemancivilsurvey.com info@batemancivilsurvey.com  
 NCBELS Firm No. C-2378



**VICINITY MAP**  
(Not to Scale)

**LEGEND**

- PO = PORCH
- P = PATIO
- SP = SCREENED PORCH OR PATIO
- CP = COVERED PORCH OR PATIO
- WD = WOOD DECK
- SW = SIDEWALK
- DW = CONC DRIVEWAY
- ⊙ = COMPUTED POINT
- ⊙ = IRON PIPE FOUND
- ⊙ = IRON PIPE SET (IPS)
- ⊙ = WATER METER
- CO = CLEANOUT
- AC = AIR CONDITIONER
- ⊙ = ELECTRIC BOX
- ⊙ = CABLE BOX
- ⊙ = TELEPHONE PEDESTAL
- ⊙ = LIGHT POLE
- CI = CURB INLET
- YI = YARD INLET
- FH = FIRE HYDRANT
- HP = HANDICAP PORTAJOHN WITH SCREENING
- ⊙ = SEWER MAN-HOLE
- ⊙ = FIRE HYDRANT
- TR = TRASH RECEPTACLES

**BUILDING SETBACKS:**  
 FRONT = 35 ft  
 SIDE = 10 ft  
 REAR = 25 ft  
 CORNER SIDE = 20 ft

I, STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK REFERENCED IN TITLE BLOCK); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER REFERENCES; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARD PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA L-4752 DATED:

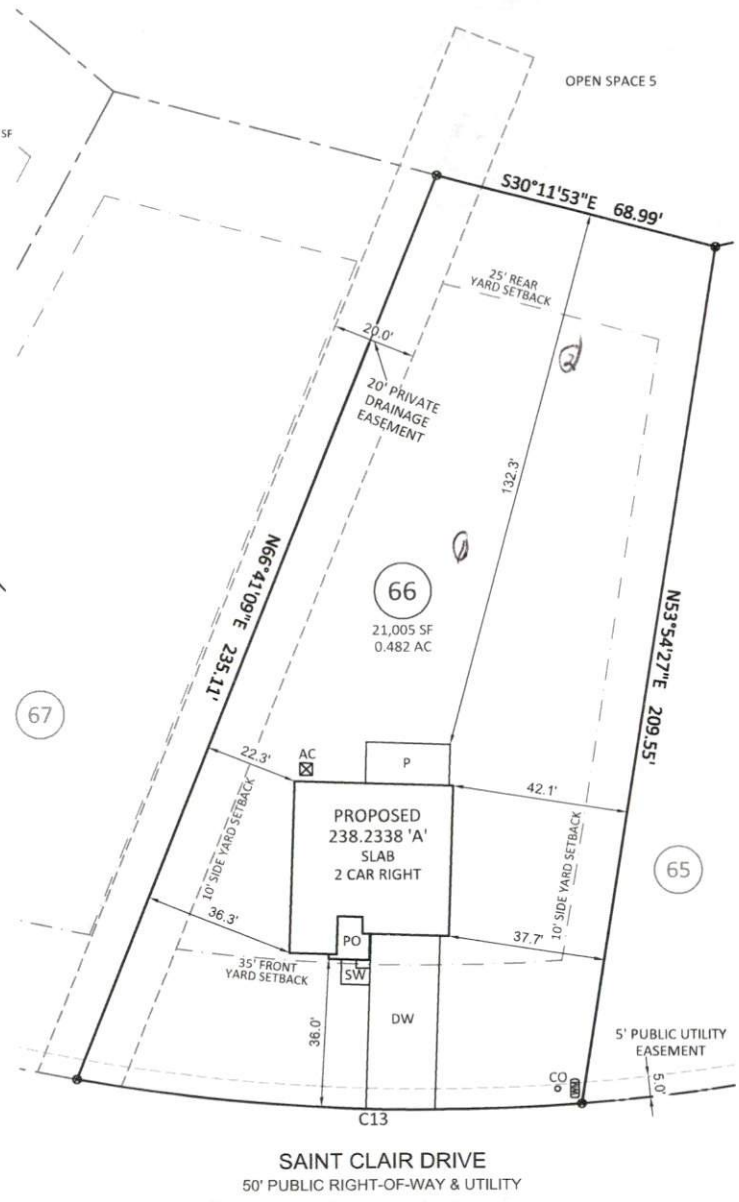
**PRELIMINARY**

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.

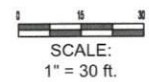
**LOT INFORMATION:**  
 PIN: 0642-94-4899  
 TOTAL LOT AREA = 0.482 AC = 21,005 SF  
 HOUSE = 1,415 SF  
 PORCH = 76 SF  
 SIDEWALK = 34 SF  
 DRIVEWAY = 703 SF  
 PATIO = 200 SF  
 AC PAD = 9 SF  
 PROPOSED IMPERVIOUS = 2,437 SF  
 PERCENT IMPERVIOUS = 11.6%  
 MAXIMUM ALLOWED IMPERVIOUS = 4,000 SF



- NOTES:**
- THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
  - THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY. PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND/OR PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
  - ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
  - THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
  - THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK.
  - NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.
  - SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
  - SUBJECT PARCEL LIES ENTIRELY WITHIN FLOOD ZONE 'X', OR AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE HAZARD AREA PER NATIONAL FLOOD INSURANCE PROGRAM F.I.R.M. MAP #3720064200J, DATED OCTOBER 03 2006.
  - ZONING IS: RA-4D
  - A 5' PUBLIC UTILITY EASEMENT LIES PARALLEL TO THE ROADWAY RIGHT OF WAY ALONG EACH SIDE, EXCEPT OPEN SPACE 4.
  - PROPERTY OWNER: KB HOME RALEIGH- DURHAM INC.  
4506 S. MIAMI BLVD. #100  
DURHAM, NC. 27703



CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD DIRECTION	CHORD
C13	475.00'	121.62'	S42°04'50"E	121.29'



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

**PRELIMINARY PLOT PLAN**

FOR  
**KB HOMES**

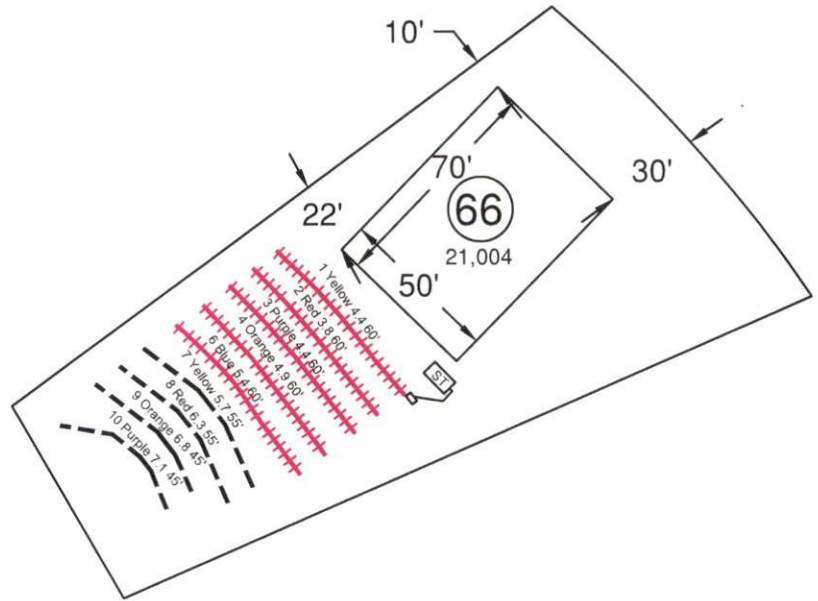
**BIRCHWOOD GROVE - PHASE 2 - LOT 66**  
 381 SAINT CLAIR DRIVE, FUQUAY-VARINA, NC  
 HECTORS CREEK TOWNSHIP, HARNETT COUNTY

DATE: 7/21/22 DRAWN BY: WRA CHECKED BY: SPC

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



System: ++++++  
 Repair: - - - -

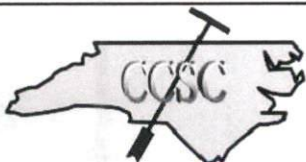


- \*Keep tanks and drain lines 10' from property lines.
- \*Not a survey.
- \*Not a guarantee of a septic permit.
- \*Keep supply lines >5' from property lines.
- \*Some lines are flagged longer in the field than lengths indicate.
- \*No grading septic area.

System: Gravity to D-Box  
 Lines: 1-6, (5x60'x3')  
 T&J Panel 50% Reduction  
 0.4 Soil LTAR

Repair: Pressure Manifold  
 Lines: 7-10, (200')  
 T&J Panel 50% Reduction  
 0.4 Soil LTAR

GRAPHIC SCALE  
 1" = 60'



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 66, Birchwood Subdivision  
 Harnett County, North Carolina

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

**Birchwood Lot 66  
T&J Panel Block Repair, TAP CHART**

Bench Mark		is = 100.00 Location of BM		Elevation Head		8.90					
Pump tank elev.		8.2	91.80	Pump elev.	86.40	Manifold elev.		95.30			Spacing of
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	# of Panels	Panels (in)
7	Yellow	5.70	94.30	55	1/2in SCH 40	7.11	135.54	165	0.8214	13	4.4
8	Red	6.30	93.70	55	1/2in SCH 40	7.11	135.54	165	0.8214	13	4.4
9	Orange	6.80	93.20	45	1/2in SCH 80	5.48	104.46	135	0.7738	10	7.3
10	Purple	7.10	92.90	45	1/2in SCH 80	5.48	104.46	135	0.7738	10	7.3

	total	feet =	200	gal/min =	25.18	Total Number of Panels:	46
						<u>LTAR =</u>	0.4000
						<u>LTAR + %5</u>	0.4200
% of Dose Vol.	0	<u>Des. Flow</u>	480			(ltar W/ INOV)	0.8000
Dose Volume	165.60	Pump Run=	19.06			(ltar W/ INOV + 5%	0.8400
Dose Pump Time	6.58	Tank Gal/IN	19.65				
Drawdown in Inches	8.43						