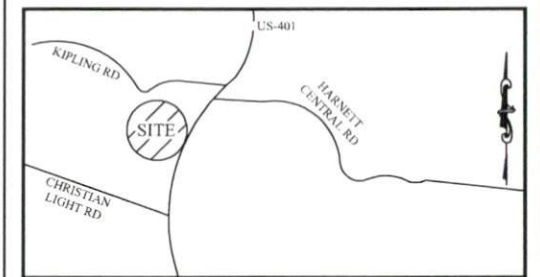






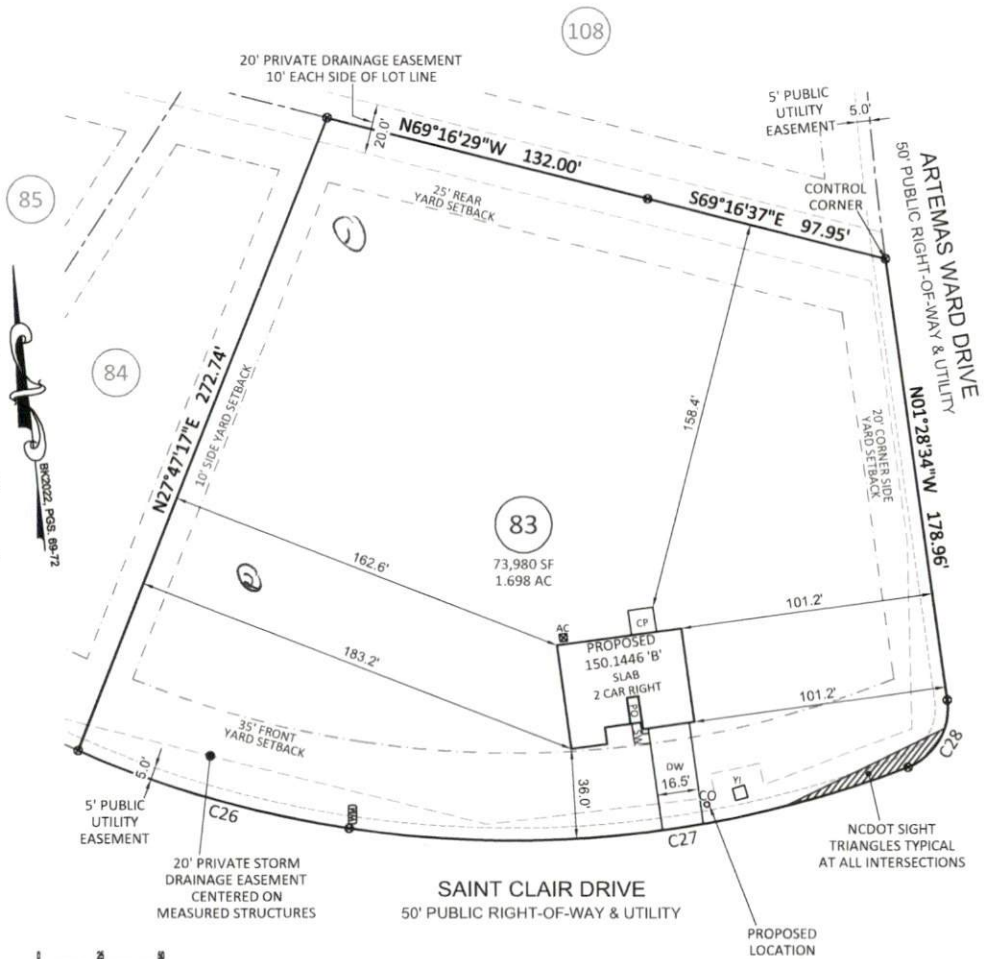
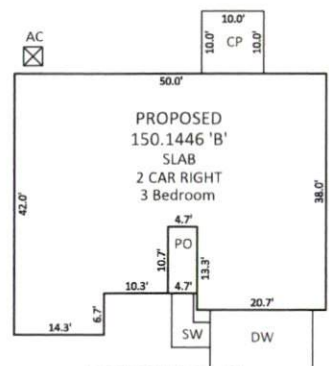


**Bateman Civil Survey Company**  
 Engineers • Surveyors • Planners  
 2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081  
 www.batemancivilsurvey.com info@batemancivilsurvey.com  
 NCBELS Firm No. C-2378



**VICINITY MAP**  
(Not to Scale)

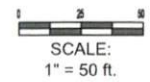
**LOT INFORMATION:**  
 PIN: 0652-04-2027.000  
 TOTAL LOT AREA = 1.698 AC = 73,980 SF  
 HOUSE = 1,868 SF  
 PORCH = 50 SF  
 SIDEWALK = 41 SF  
 DRIVEWAY = 651 SF  
 COVERED PATIO = 100 SF  
 AC PAD = 9 SF  
 PROPOSED IMPERVIOUS = 2,719 SF  
 PERCENT IMPERVIOUS = 3.68 %  
 MAXIMUM ALLOWED IMPERVIOUS = 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.
  - THE PROPERTY LIES IN ZONE 'X' PER NATIONAL FLOOD INSURANCE PROGRAM F.I.R.M. MAP #37200642001, DATED OCTOBER 03 2006.
  - ZONING IS: RA-40
  - 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
C26	435.00'	112.92'	S67°27'48"E	112.60'
C27	435.00'	226.77'	S89°50'04"E	224.21'
C28	25.00'	33.47'	N36°52'39"E	31.03'



**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 MANHOLE  
 ● = 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.

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

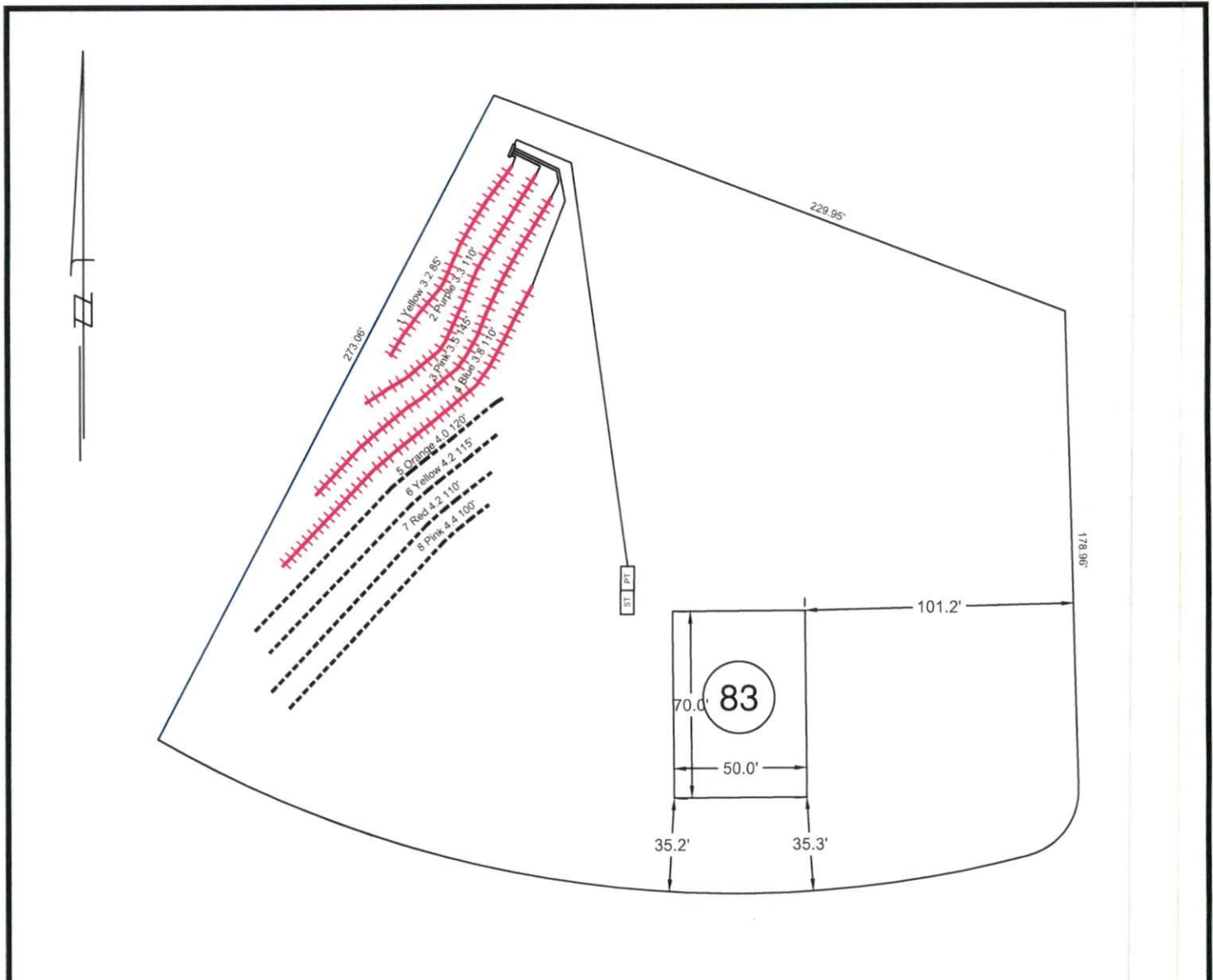
**PRELIMINARY PLOT PLAN**

FOR  
**KB HOMES**

**BIRCHWOOD GROVE - LOT 83**  
 SAINT CLAIR DRIVE, FUQUAY-VARINA, NC  
 HECTORS CREEK TOWNSHIP, HARNETT COUNTY

DATE: 1/13/23 DRAWN BY: CPV CHECKED BY: SPC

REFERENCE: BK2022, PGS. 69-72 PROJECT# 220207 SCALE: 1"= 50'



System:   
 Repair: 

System: Pressure Manifold Lines: 1-4, (470') Low Profile Chamber 0.35 Soil LTAR 15" Trench Bottom
Repair: Pressure Manifold Lines: 5-8, (445') Accepted Status System 0.35 Soil LTAR 15" Trench Bottom

- \*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.

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

3-Bedroom Septic Layout  
 Lot 83, Birchwood Subdivision  
 Harnett County, North Carolina

Job# : 3753
Drawn By : MB
Date : 01/12/2023
Revision:

### Birchwood Lot 11 System Tap Chart

<b>Bench Mark</b>	is = 100.00		Location of BM		<b>Elevation Head</b>	6.80			
<b>Pump tank elev.</b>	4	96.00	<b>Pump elev.</b>	91.00	<b>Manifold elev.</b>	97.80			
<b>line</b>	<b>color</b>	<b>rod read</b>	<b>Elevation</b>	<b>length</b>	<b>hole size</b>	<b>flow/tap</b>	<b>gal/day</b>	<b>trench area</b>	<b>LINE LTAR</b>
1	Yellow	3.20	96.80	85	1/2in SCH 80	5.48	51.67	255	0.2026
2	Purple	3.30	96.70	110	3/4in SCH 80	10.1	95.23	330	0.2886
3	Pink	3.50	96.50	145	3/4in SCH 40	12.5	117.86	435	0.2709
4	Blue	3.80	96.20	110	3/4in SCH 80	10.1	95.23	330	0.2886
		<b>total</b>	<b>feet =</b>	<b>450</b>	<b>gal/min =</b>	<b>38.18</b>	<b><u>LTAR =</u></b>		<b>0.3500</b>
						<b><u>LTAR + %5</u></b>		<b>0.3675</b>	
<b>% of Dose Vol.</b>	75		<b><u>Des. Flow</u></b>		360				
<b>Dose Volume</b>	219.38		<b>Pump Run=</b>		9.43				
<b>Dose Pump Time</b>	5.75		<b>Tank Gal/IN</b>		19.65				
<b>Drawdown in Inches</b>	11.16								