Department of Environment, Health and Natural Resources Division of Environmental Health On-Site Wastewater Section

Applicant:

Owner:

Address:

Sheet: Property ID: Lot #: File #: Code:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Date Evaluated:

Proposed Facility: Design Flow (.1949): Property Size: Location of Site: Property Recorded: Water Supply: Public Individual Well Spring Other Evaluation Method: Auger Boring Pit Cut Type of Wastewater: Sewage Industrial Process Mixed									
P R O F I	.1940		SOIL MORPHOLOGY .1941		PI				
L E #	Landscape Position/ Slope %	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
)	7-10	0.98	652	N72 115/14P		-	*		
		20.36	53 K XL	FQ 5/3P					.35
									,
2		0.50	GSL	१६० म्हा पर	1				0=
		2040	SBK SCT	FO SISP			1		P5 ,35
	2								

Description	Initial System	Repair System	Other Factors (.1946): Site Classification (.1948): 45
Available Space (.1945)	1	J	Evaluated By:
System Type(s)	25%	BANEL	Others Present:
Site LTAR	.35	.35	

COMMENTS: ____

LANDSCAPE POSITIONS	GROUP	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		SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC

IV SIC-SILTY CLAY 0.4 - 0.1

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

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

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.

INSET SCALE: 1"=20'

- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE
- 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
- THE PROPERTY LIES IN ZONE 'X' PER NATIONAL FLOOD INSURANCE PROGRAM F.I.R.M. MAP #3720064200J, DATED OCTOBER 03 2006.
- ZONING IS RA-40
- 11. A 5' PUBLIC UTILITY EASEMENT LIES PARALLEL TO THE ROADWAY RIGHT OF WAY ALONG EACH SIDE, EXCEPT OPEN SPACE 4.

 12. PROPERTY OWNER: KB HOME RALEIGH- DURHAM INC.
- 4506 S. MIAMI BLVD. #100 **DURHAM, NC. 27703**

		CURV	E TABLE	
CURVE	RADIUS	LENGTH	CHORD DIRECTION	CHORD
C25	335.00'	78.74	N75°19'49"W	78.56

LOT INFORMATION:

PIN: : IN REVIEW TOTAL LOT AREA = 0.494 AC = 21.500 SF HOUSE = 2,530 SF PORCH = 74 SF SIDEWALK = 47 SF DRIVEWAY = 805 SF PATIO = 100 SF SCREENED PATIO = 100 SF AC PAD = 9 SF PROPOSED IMPERVIOUS = 3,665 SF PERCENT IMPERVIOUS = 17.0 % MAXIMUM ALLOWED IMPERVIOUS = 4,000 SF

FUTURE PHASE 3

> OPEN SPACE #1

> > SLAB

2 CAR RIGHT

sw

C25

DW

16.5

35' FRONT

221.58

508°43'29"W

25.6

16



JOHN STARK DRIVE 50' PUBLIC RIGHT-OF-WAY & UTILITY

25.6

N82°03'49"W

21.87

5' PUBLIC

EASEMENT

7/1/11/11

UTILITY

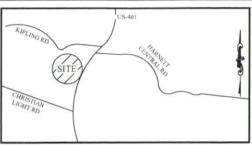




Bateman Civil Survey Company

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 S = STOOP 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)

- CO = CLEANOUT

 AC = AIR CONDITIONER

 CO = CLEANOUT

 AC = AIR CONDITIONER

 CO = CABLE BOX

 CO = CABLE BOX

 CO = CABLE BOX

 CO = CLEANOUT

 CO = CLEANOUT

 CO = CURB INLET

- CI = CUMB INLET
 YI = YARD INLET
 FH = FIRE HYDRANT
 HP = HANDICAP PORTAJOHN WITH SCREENING
 SEWER MANHOLE
- FIRE HYDRANT
 TR = TRASH RECEPTACLES

BUILDING SETBACKS:

CORNER SIDE = 20 f

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

THAT THE RATIO OF PRECISION AS CALCILLATED IS 1:10,000; AND THAT THIS MAP METE SLIE REQUIREMENTS OF THE STANDARD PRACTICE FOR LAND SURVEYING IN NORTH CARDINA 1-4752 DATED:

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 - PHASE 2 - LOT 17 JOHN STARK DRIVE, FUQUAY-VARINA, NC HECTORS CREEK TOWNSHIP, HARNETT COUNTY

DATE: 6/8/22

DRAWN BY: TIN CHECKED BY: SPC

REFERENCE: IN REVIEW

PROJECT# 220207

SCALE: 1"= 40"

*Keep tanks and drain lines 10' from

System: +++++++++

Repair:

property lines. *Not a survey.

*Not a guarantee of a septic permit.

*Keep supply lines >5' from property lines.

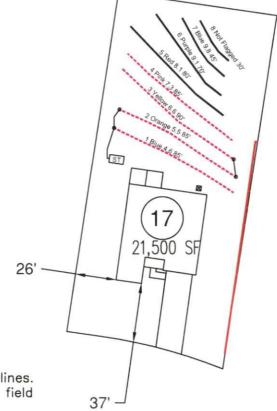
*Some lines are flagged longer in the field than lengths indicate.

*No grading septic area.

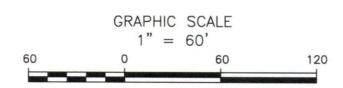
System: Gravity to Serial Dist. Lines: 1-4, (345') Accepted Status System

0.35 Soil LTAR

Repair: Pressure Manifold



Lines: 5-8, (225') T&J Panel 50% Reduction 0.35 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 17, Birchwood Subdivision Harnett County, North Carolina

Job#: 3753 Drawn By : LW Date: 7/25/2022 Revision:

Birchwood Lot 17 T&J Panel Block Repair, TAP CHART

Bench Mark		is = 100.00	Location of	BM				Elevation Head	6.50		
Pump tank e	lev.	8.2	91.80	Pump elev.	86.40	1	Manifold ele	v.	92.90		Spacing of
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	# of Panels	Panels (in)
5	Red	8.10	91.90	82	1in SCH 40	20.2	178.86	246	0.7271	19	5.5
6	Purple	9.10	90.90	70	1in SCH 80	16.8	148.75	210	0.7084	16	6.1
7	Blue	9.80	90.20	45	3/4in SCH 80	10.1	89.43	135	0.6624	10	7.3
8	NF	10.50	89.50	30	1/2in SCH 40	7.11	62.96	90	0.6995	7	4.8

				Total Number	52		
	total	feet = 227	gal/min =	54.21	LTAR =	0.3500	
					LTAR + %5	0.3675	
% of Dose Vol.	0	Des. Flow	480		(Itar W/ INOV)	0.7000	
Dose Volume	187.20	Pump Run=	8.85		(Itar W/ INOV + 5%	0.7350	
Dose Pump Time	3.45	Tank Gal/IN	19.65				
Drawdown in Inches	9.53						