

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: **D 0 5 I 0 I I**

PIN #: **I 6 0 9 9 6 0 0 I 3**

OP DATE: **0 8 / 2 3 / 2 0 I 6**

SYSTEM USE:

- ☒ House
☐ Mobile Home
☐ Business
☐ Other

SEWAGE TYPE:

- ☒ Domestic
☐ Industrial

PUMP/SIPHON?:

- ☒ Yes
☐ No

PRESSURE MANIFOLD:

- ☒ Yes
☐ No

SYSTEM TYPE:

- ☐ I
☐ II
☒ III
☐ IV
☐ V
☐ VI
☐ Other

SUB TYPE:

- ☐ A
☒ B
☐ C
☐ D
☐ E
☐ F
☐ G

NBR BEDROOMS:

- ☐ 1
☐ 2
☐ 3
☐ 4
☒ 5
☐ 6
☐ Other

MAINT. SCHEDULE:

- ☐ Yes
☒ No

CERT. OPERATOR

- ☐ Yes
☒ No

GT	ST	PT	SIZE
☐	☐		750
☐	☐	☐	900
☐	☐	☐	1,000
☐	☐	☐	1,200
☐	☒	☒	1,500
☐	☐	☐	1,800
☐	☐	☐	2,100
☐	☐	☐	2,500
☐	☐	☐	3,000
☐	☐	☐	4,000
☐	☐	☐	5,000
☐	☐	☐	8,000
☐	☐	☐	10,000
☐	☐	☐	Other
☒		☐	None/NA GT or PT

DRAINFIELD SIZE(SQ. FT.)

0 I 5 3 0

DRAIN TYPE:

- ☐ Stone
☒ EZ Flow
☐ Infiltrator
☐ Biodiffuser
☐ Cultec
☐ Drip
☐ Hancor
☐ Large Dia. Pipe
☐ Multi-Pipe
☐ Other

MAX DEPTH (IN.):

- ☐ 12 in. or less
☐ 18 in. or less
☒ 24 in. or less
☐ 26 in. or less
☐ 28 in. or less
☐ 30 in. or less
☐ 32 in. or less
☐ 36 in. or less
☐ Other

STONE DEPTH (IN.):

- ☐ 8 in. or less
☒ 12 in. or less
☐ 18 in. or less
☐ 24 in. or less
☐ Other

TRENCHES:

- ☒ Individual
☐ Bed

TRENCH WIDTH (IN.):

- ☐ 12 in. or less
☐ 18 in.
☐ 24 in.
☒ 36 in.
☐ 6 ft. or less
☐ 9 ft. or less
☐ Other

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED
UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED

PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: D051011 STATUS: A APP. DATE: 04/28/2014 BLDG. PERMIT#: 0142942
PIN: 1609 96 0013 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 15 PANTHER BRANCH JURISDICTION: WC ZONING: R80W SW DEVICE: N S#:
APPLICANT: LEVEL CAROLINA HOMES (919) 615 - 1585
7780 BRIER CREEK PKWY STE 420 RALEIGH, NC 27617
USE: HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE:
LTAR: 0.30 0.30 BEDROOMS: 5 BASEMENT: N #EMPLOYEES: 0
SITE: ADDRESS: 8013 LAKESHORE DR
SUBDIVISION: HERON POINT LOT: 20 ACRES: 0.92 EASEMENT: N LOC: SYS:
DIRECTION: HWY 70E TO HWY 50S R RAND RD R LAKESHORE DR

Well System: WATER: INDIVIDUAL - TYPE: EXISTING

WELL LOG INFORMATION: DEPTH: _____ CASING DEPTH: _____ YIELD: _____ STATIC LEVEL: _____
WELL CONTRACTOR: _____ REG.# _____ PUMP CONTRACTOR: _____ REG.# _____
Construction Compliance GROUT APPROVED ☐ DATE _____ EHS _____
WELLHEAD APPROVED ☐ DATE _____ EHS _____
SYSTEM FINALIZED ☐ DATE _____ EHS _____

COMMENTS: EXISTING WELL IS 170' DEEP, 120' OF CASING, 8 GPMS, AND HAS STATIC OF 40'. WELL WAS DRILLED ON 8/14/87. WELL NEEDS VENT PIPE, WATER SPIGOT, WELLHEAD AND WATER SAMPLES BEFORE OP IS ISSUED. PLEASE CONTACT ENVIRONMENTAL SERVICES GROUNDWATER SECTION FOR MORE INFO REGARDING WELL REQUIREMENTS.

Operation Permit

DESIGN FLOW: 43.93 gal./min. ACTUAL FLOW: 41 gpm DOSE VOLUME: 249 gal. INNOVATIVE LETTER:
INSTALLED BY: Jay Adcock INSTALLATION APPROVED BY: Andrew Lake
PROPRIETARY SYSTEM: E2 flow TYPE SYSTEM: III B

COMMENTS:

OPERATIONS PERMIT ISSUED? Y OP DATE: 8/23/16 BY: Ala Adcock

Systems defined as either a Type IIIb, IIIg with a pump, IV, V or VI, in accordance with the North Carolina Administrative Code 15A NCAC 18A .1961, Table V as adopted by reference in the "Regulations Governing Wastewater Treatment and Dispersal Systems in Wake County", require Wake County Environmental Services to conduct periodic inspections on this type system, pursuant to 15A NCAC 18A .1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. This permit is based in part on information provided by the homeowner or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The Environmental Health Specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

As Built Information:

Date: 3/17/16 Benchmark: _____ Rod reading: _____ Distance to Structure: 5'
ST: 1500 gals ID#: STB 35 D.O.M.: 11/18/15 Elev.: 4.39' Distance to Well: 102'
PT: 1500 gals ID#: PT 365 D.O.M.: 8/14/15 Elev.: 4.7' Distance to P/L: 5'
GT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Pretreatment: _____
D-box/FD(PM) Elev.: 1.65 Supply Line: 363 ft. Pump/Ctrl Panel: _____ Filter: Red Polylok
Line 1: 3.92' _____ Date: _____ Line 6: _____ Date: _____
Line 2: 4.71' _____ Date: _____ Line 7: _____ Date: _____
Line 3: 5.44' _____ Date: _____ Line 8: _____ Date: _____
Line 4: 6.1' _____ Date: _____ Line 9: _____ Date: _____
Line 5: 6.78' _____ Date: _____ Line 10: _____ Date: _____
ETM1: 23 CC1: 999825 ETM2: _____ CC2: _____ OR: _____ AC: _____ WM: _____
Notes: _____

ES Copy

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PERMIT#: D051011 STATUS: A APP. DATE: 04/28/2014 BLDG. PERMIT#: 0142942
PIN: 1609 96 0013 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 15 PANTHER BRANCH JURISDICTION: WC ZONING: R80W SW DEVICE: N S#:
APPLICANT: LEVEL CAROLINA HOMES (919) 615 - 1585
7780 BRIER CREEK PKWY STE 420 RALEIGH, NC 27617
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE: DESIGN FEE REQ?: Y PAID?: Y
LTAR: 0.30 0.30 BEDROOMS: 5 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: N
SITE: ADDRESS: 8013 LAKESHORE DR
SUBDIVISION: HERON POINT LOT: 20 ACRES: 0.92 EASEMENT: N LOC: SYS:
DIRECTION: HWY 70E TO HWY 50S R RAND RD R LAKESHORE DR

IMPROVEMENT PERMIT

[] As per GS 130A-335 (f), Improvement Permit is based on a Site Plan and is void Sixty (60) months from date of issuance.
[X] As per GS 130A-335 (f), Improvement Permit is based on a Plat and is valid without expiration.

Permit is subject to revocation if the site plan or plat, whichever is applicable, or the intended use changes.

TANK SIZE: 1500 gal. PUMP Tank: 1500 gal. GREASE TRAP: gal. SQ FT: 1530 ACCEPTED STATUS MAX DEPTH LINE: 24 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III B PUMP: Y P/M: Y LP: N TD: N
DAILY FLOW: 600 gal/day WATER: INDIVIDUAL PRETREATMENT: NA FILL: N DAF: N DEEP: N REDUCE35%: N

COMMENTS: PERMIT REQUIRES USE OF PRESSURE MANIFOLD DOSING UNEQUAL LENGTH LINES OF ACCEPTED STATUS SYSTEM PRODUCT WITH ITS 25% REDUCTION ALREADY CALCULATED INTO THE DESIGN. REPAIR WILL USE OF PRESSURE MANIFOLD DOSING UNEQUAL LENGTH LINES OF ACCEPTED STATUS SYSTEM PRODUCT WITH ITS 25% REDUCTION ALREADY CALCULATED INTO THE DESIGN. NO FOUNDATION DRAIN TO BE INSTALLED ON THE HOUSE. EXISTING SEPTIC TANK MUST BE PROPERLY ABANDONED PER WAKE COUNTY'S WASTEWATER SYSTEM ABANDONMENT PROCEDURE. SEE CA COMMENTS.

IP ISSUED? Y DATE: 07/21/2015 BY: (TAH) *Travis Howard* PHONE#: (919)-369-5974

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION
VALIDITY CONCURRENT WITH THE IMPROVEMENT PERMIT

AUTHORIZATION CONDITIONS:

Contractors shall install system on contours, see attached site plan for wastewater system design and well location. No underground utilities, water lines or sprinkler systems may be located in the original system or repair areas. A septic tank filter with a riser for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and an Operation Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation is in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrification line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation.

OTHER CONDITIONS: ACCEPTED STATUS SYSTEM REDUCTION HAS BEEN TAKEN FOR THE DESIGN OF INITIAL AND REPAIR SYSTEMS. PLEASE SEE DESIGN PLANS BY BCSC, PC. (APPROVED 07-30-15 BY BSM) FOR INSTALLATION INFORMATION. INITIAL SYSTEM IS A VARIED LENGTH LINE PRESSURE MANIFOLD WITH 24 INCH TRENCH BOTTOMS. WHEN INSTALLING DRAINLINES, PLEASE MAINTAIN ALL REQUIRED SETBACKS. REPAIR SYSTEM IS A VARIED LENGTH LINE PRESSURE MANIFOLD WITH 24 INCH TRENCH BOTTOMS. WHEN CLEARING AREA FOR INITIAL SYSTEM, DO NOT DISTURB OR REMOVE ANY SOIL FROM EITHER THE INITIAL OR REPAIR AREA. A NEMA4X CONTROL PANEL WITH TWO BREAKERS, TWO POWER SUPPLIES, ELAPSED TIME METER, AND CYCLE COUNTER IS REQUIRED. NO FOUNDATION DRAIN WILL BE INSTALLED ON THE HOUSE PER APPLICANT'S LETTER & CONSULTANT'S DESIGN. PERMIT WILL BE VOID IF A DRAIN IS INSTALLED IN THIS AREA. PUMP TANK MUST BE SET SO THAT THE TOP SEAM OF THE PUMP TANK IS BELOW THE BOTTOM OF THE OUTLET ON THE SEPTIC TANK. MUST MAINTAIN REQUIRED EMERGENCY STORAGE IN PUMP TANK. PLEASE CALL ENVIRONMENTAL SERVICES IF ANY PROBLEMS OR QUESTIONS ARISE.

TANK SIZE: 1500 gal. PUMP TANK: 1500 gal. GREASE TRAP: gal. SQ FT: 1530 ACCEPTED STATUS MAX DEPTH LINE: 24 in.
MAINT: N OPER: N L/O: P TRENCH#: 5 LENGTH: 510 ft. WIDTH: 36 in. DESIGNER: BCSC, PC
SUBFIELDS: 1 DESIGN HEAD PRESSURE: 2 DESIGN FLOW: 43.93 gal/min DOSE VOLUME: 249 gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 07/30/2015 BY: (BSM) *Beth M...* PHONE#: (919)-856-7463

As Built

1609960013

1"=40'

LOT INFORMATION:

LOT #20
DB 02133, PG 02453
PIN: 01609960013
ADDRESS: 8013 LAKESHORE DRIVE
TOTAL LOT AREA = 0.920 AC = 40,078 SF
MAXIMUM IMPERVIOUS = 5,449 SF
HOUSE = 2,059 SF
DRIVEWAY = 1,318 SF
SIDEWALK = 258 SF
PORCH = 144 SF
CP = 180 SF
PROPOSED IMPERVIOUS = 3,959 SF
PERCENT IMPERVIOUS = 9.9 %

I certify that the location of planned or existing structures are accurately shown. I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

[Signature]

Signature of Owner or Authorized Agent

Revised
Zoning R00W By EBH
Approve X Date 5.8.15
Revise X Use 101A
Reject _____ MBL _____
Front 20 Rear 15
Side 10 Corner 20
Comments:

REVISIONS:
THREE CAR ADDED HOUSE MOVED 11-14-14

RIDGECREST DRIVE
PRIVATE 60' R/W

SURVEY CO.,
PLS.

AS SHOWN
DISTINGUISHING
INFORMATION

ANGITUDE
GIVEN IN

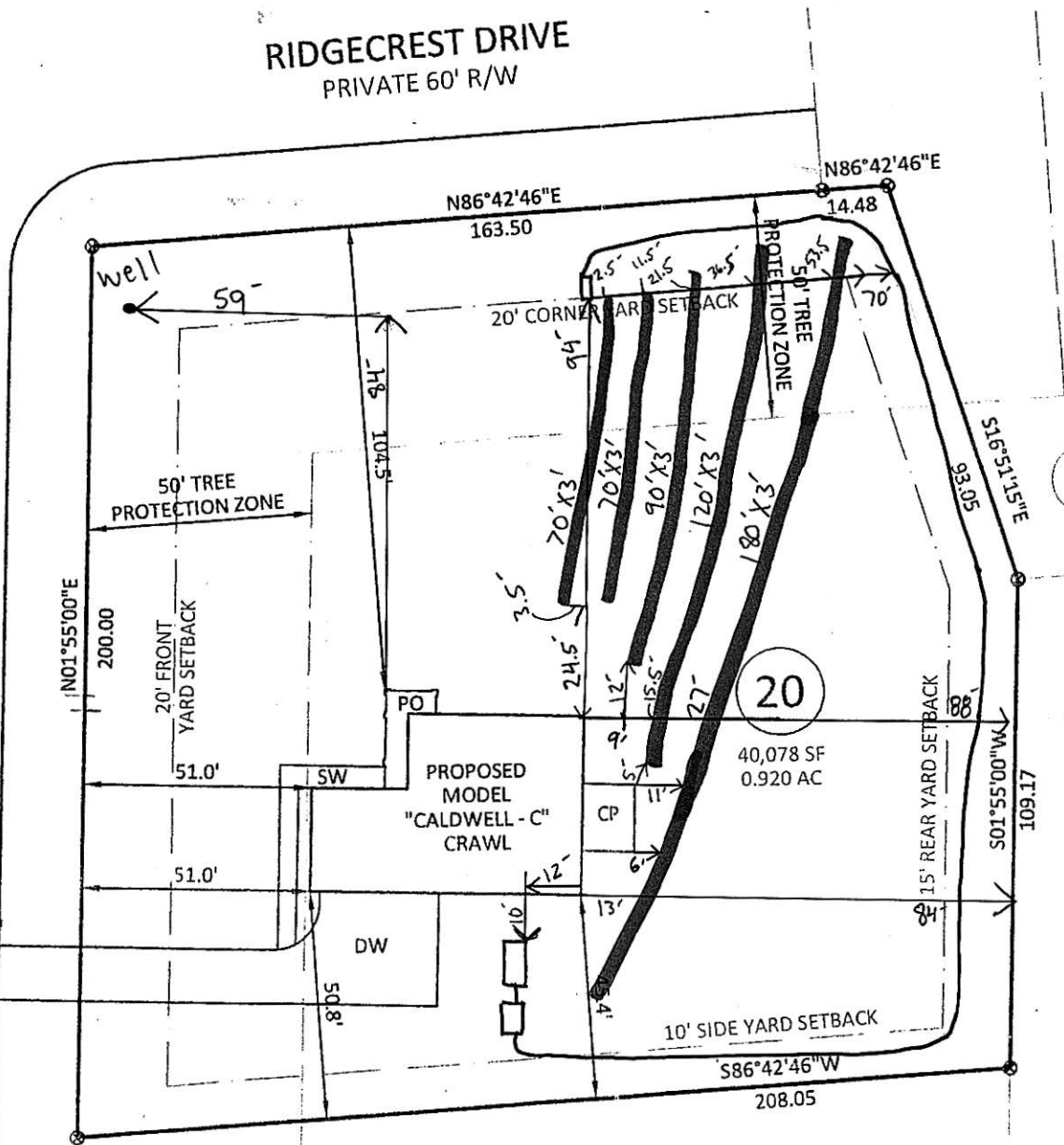
EPOCH 35.

ANCES AND
IE
N.

OT BEEN
R
OPMENT

LOOD
MAP

LAKESHORE DRIVE
PUBLIC 60' R/W



16

14

CAS-16 Plan Part A
PIN# 1609960013
Heron Point 10+20

*See LA Site Plan Part B & Design Plan (Approved
7-30-15 by BSM) for installation into.

0051011

1609960013

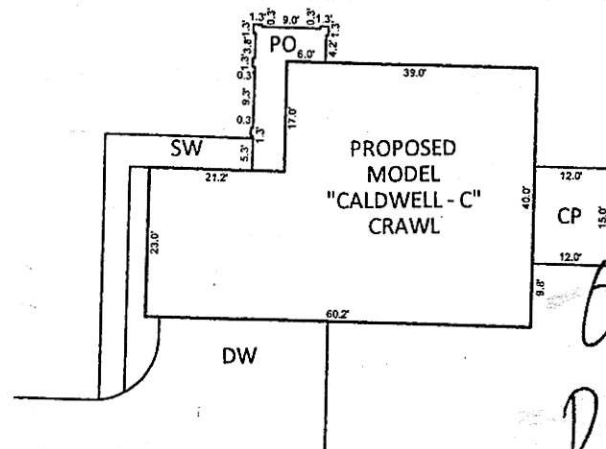
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REVISIONS:
THREE CAR ADDED HOUSE MOVED 11-14-14

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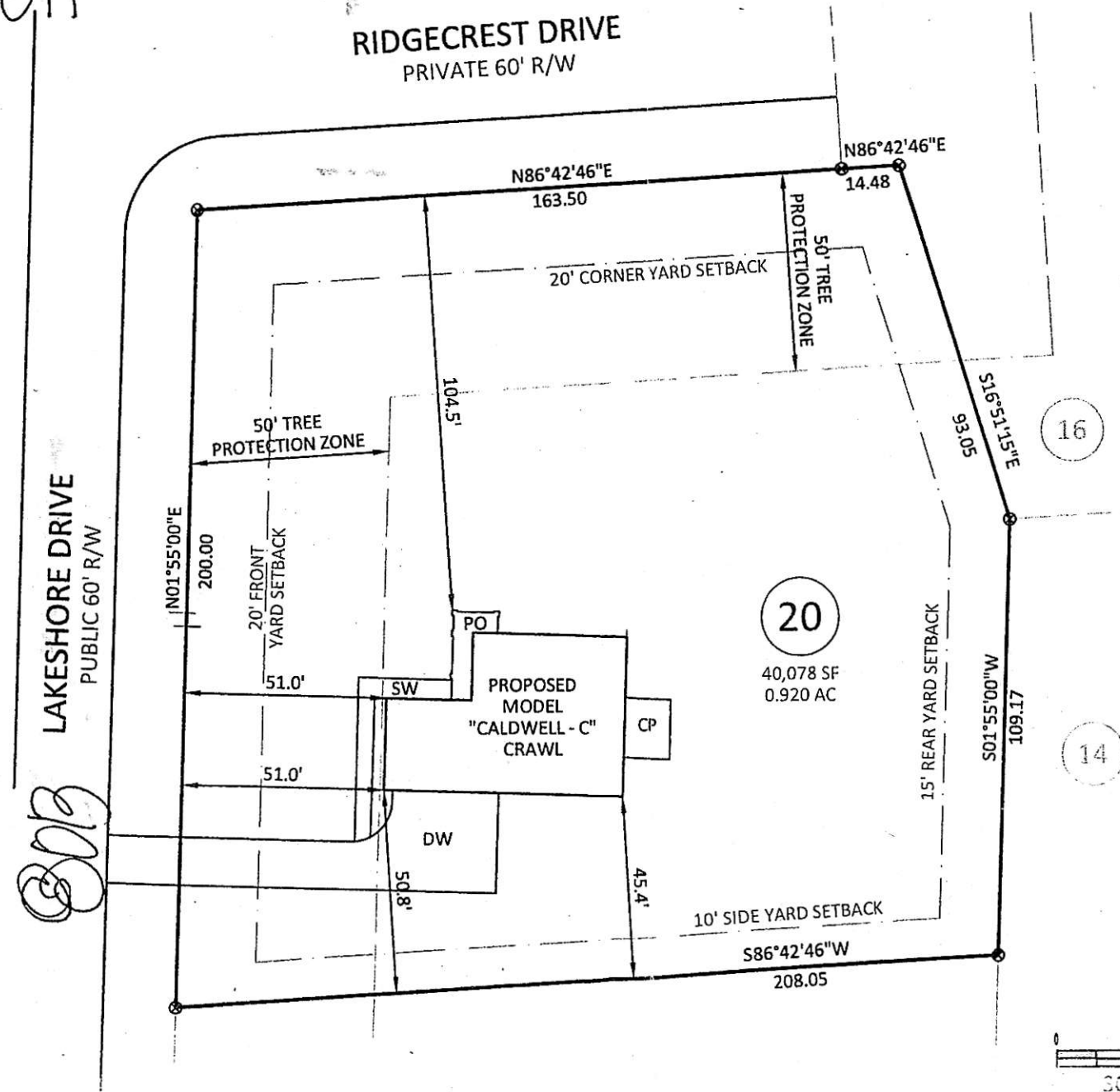
Zoning R-80W By SPC
Approve X Date 5-8-15
Revise X Use 1014
Reject _____ MBL _____
Front 20 Rear 15
Side 10 Corner 20
Comments:



INSET SCALE: 1" = 30'

NOTES:

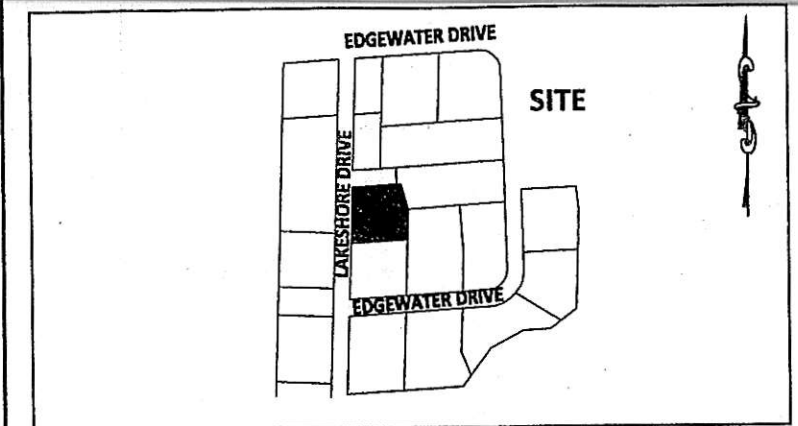
- THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
- THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
- THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
- VERTICAL DATUM IS ASSUMED. THE LATITUDE, LONGITUDE AND STATE PLANE COORDINATES, IF SHOWN, ARE GIVEN IN NORTH AMERICAN DATUM OF 1983 (NAD83).
- FIELD EQUIPMENT USED: NIKON TOTAL STATION, EPOCH 35.
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
- THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
- THE PROPERTY LIES IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NUMBER 3720160900J, DATED MAY 2, 2006.
- ZONING IS R-80W.
- PROPERTY OWNER: LEVEL HOMES
7780 BRIARCREEK PARKWAY
SUITE #420
RALEIGH, NC 27617



SCALE: 1" = 30'



Bateman Civil Survey Company
Engineers • Surveyors • Planners
200 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.108
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378



VICINITY MAP

(Not to Scale)

LEGEND

PO = PORCH
CP = COVERED PORCH
P = CONCRETE PATIO
WD = WOOD DECK
SW = SIDEWALK
DW = CONC DRIVEWAY
DG = DETACHED GARAGE
⊗ = CONTROL POINT
⊙ = IRON PIPE FOUND
⊙ = IRON PIPE SET
⊙ = DRILL HOLE FOUND
WM = WATER METER
CO = CLEAN OUT
AC = AIR CONDITIONER
⊙ = SEWER MANHOLE
EB = ELECTRIC BOX
⊙ = CABLE BOX
⊙ = TELEPHONE PEDESTAL
CI = CURB INLET
TUA = TRANSITIONAL USE AREA
⊙ = LIGHT POLE

BUILDING SETBACKS:

FRONT = 20 ft
REAR = 15 ft
SIDE = 10 ft
CORNER SIDE = 20 ft

I hereby certify that this map is correct and that the building lies wholly on the lot and that there are no visible encroachments on said lot.

Steven P. Carson, PLS 4752
Date

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.

APPROVAL FOR STAKING:

THIS PLOT PLAN AS PREPARED BY BATEMAN CIVIL SURVEY CO., IS CORRECT AND IS HEREBY APPROVED FOR STAKING ON THE DATE AS SHOWN BELOW.

LEVEL HOMES REPRESENTATIVE

DATE

PRELIMINARY PLOT PLAN - LOT 20 FOR

LEVEL HOMES

HERON POINT - PHASE ONE - LOT 20
8013 LAKESHORE DRIVE, RALEIGH, NC
WAKE COUNTY

DATE: 11/14/14 DRAWN BY: RTD CHECKED BY: SPC

CASite Plan Part B
PIN#1609960013
Heron Point lot 20 D051011

*See CA Site Plan Part A & C + Design Plan (Approved 7-30-15 by BSM) for installation info.

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH
1	BLUE	3.50	85'70
2	ORANGE	4.10	85
3	PINK	4.70	85
4	YELLOW	5.20	85
5	BLUE	5.80	115
6	RED	6.80	140
7	ORANGE	7.40	155
8	PINK	8.10	125
9	YELLOW	8.80	95
10	BLUE	9.00	70

LOT 20 HERON POINT S/D
5-BEDROOM PRESSURE MANIFOLD SYSTEM
LINES 2-6
EZFLOW
LTAR 0.3

5-BEDROOM PRESSURE MANIFOLD REPAIR
LINES 1,7-10
EZFLOW
LTAR 0.3

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

NO FOUNDATION DRAINS

*No Foundation Drain to be installed on house per applicant's letter & consultant's design. Permit will be void if drain is installed.

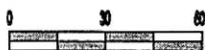
* Drain lines must be $\geq 9'$ on center, on contour, $\geq 10'$ off property line PL, $\geq 5'$ off foundation with no drain in any porch, patio or deck.

* Tanks must be $\geq 10'$ off PL, $\geq 5'$ off foundation with no drain.

* Manifold + supply line must be $\geq 5'$ off PL.

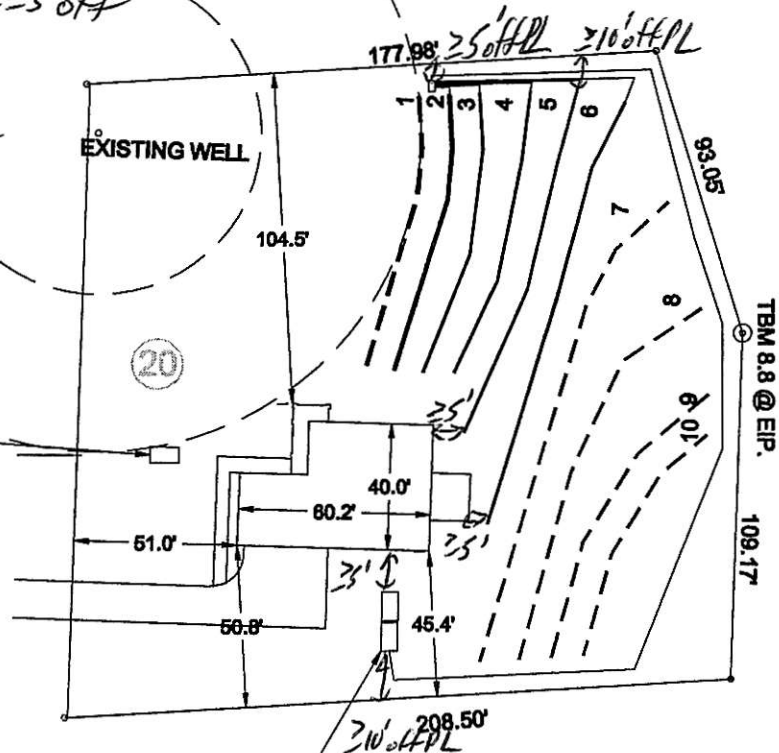
* All parts of initial & repair system must be $\geq 100'$ to exist well

EXISTING SEPTIC TANK
(must be properly abandoned)



SCALE:
1" = 60 ft.

1500 GALLON SEPTIC AND PUMP TANKS



Bateman Civil Survey Company

Engineers • Surveyors • Planners

200 N. Main Street, Holly Springs, NC 27540 P: 919.577.1000 F: 919.577.1001

www.batemancivilsurvey.com info@batemancivilsurvey.com

SCHMIDT Firm No. C-2378

LEVEL HOMES

LOT 20

HERON POINT LOT 20
WAKE COUNTY, NC

DATE: 06/26/15 DRAWN BY: AH CHECKED BY: TMB