

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

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

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

OPERATIONS PERMIT

PERMIT # WRP-015721-2019

APPLICATION DATE: 03/26/2019

BLDG. PERMIT#: RBPR-015719-2019

PIN: 1803313594

RECORDED: Yes

TOWNSHIP: 14 - New Light

JURISDICTION: Wake County

ZONING: R-40W

APPLICANT: Jordan's Construction, Inc.
Kelli Timberlake
933 Old Knight RD

BUSINESS PHONE: (919) 300-4048

HOME PHONE: (919) 300-4048

MOBILE PHONE:

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE

EXISTING USE:

SITE ADDRESS: 9249 YARDLEY TOWN DR

SUBDIVISION: YARDLEY

LOT: 13

ACRES: 0.72

DIRECTIONS: From I-540 take Six Forks Rd exit North. Cross over Hwy 98 and Six Forks Rd turns into New Light Road. Yardley is approximately 3 miles on the left.

Systems defined as either type III-b, III-g 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 Dispersal Systems in Wake County", requires Wake County Environmental Services to conduct periodic inspections of the system type 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 and/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/her 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.

OPERATION PERMIT VALID FOR: No Expiration

INSTALLED BY: BRANTLEY, CORY - 1036 - IV

PROPRIETARY SYSTEM: EZ1203HG - EZFlow EZ 1203H Geo **PRETREATMENT SYSTEM:**

SYSTEM TYPE INSTALLED: II A

OPERATION PERMIT: STATUS: Issued

ISSUED BY: Marlana Brown

ISSUED DATE: 07/22/2019

SEPTIC TANK: David Brantley & Sons - STB-502 - 1000 gallons **DATE OF MANUFACTURE:** 03/26/2019 **FILTER:** GAG SIM/TECH - STF-110

GREASE TRAP:

DATE OF MANUFACTURE:

FILTER:

DOSING PUMP TANK:

DATE OF MANUFACTURE:

FILTER:

CC1: ETM1:

CC2: ETM2:

RECIRCULATION TANK:

DATE OF MANUFACTURE:

CC1: ETM1:

CC2: ETM2:

SEPTIC TANK ELEVATION: 3.66

GREASE TRAP ELEVATION:

DOSING PUMP TANK ELEVATION:

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION: 5

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
24	12	100	6
20	12	100	6.25
20	12	50	6.85
20	12	50	7.58

ACTUAL PRESSURE HEAD:

ACTUAL FLOW RATE:

ACTUAL DOSE VOLUME:

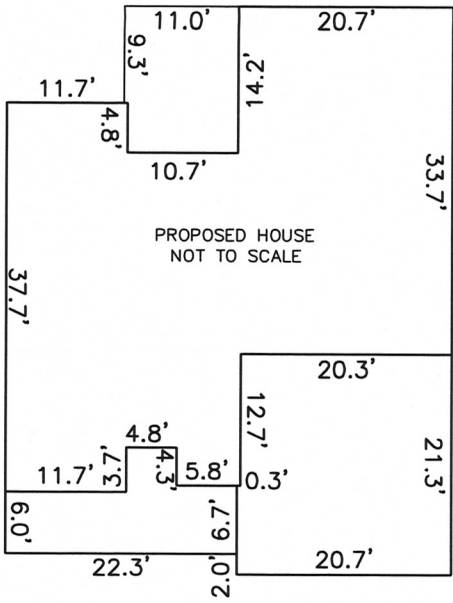
SPECIFIC OPERATION REQUIREMENTS:

- System approved for 3 bedroom Single family dwelling 360 gpd
- In order to get gravity line 1 installed deeper than lines 2-4.
- Site serviced by community well.

ISSUED BY:



DATE: 07/22/2019



PROPOSED HOUSE
NOT TO SCALE

PRELIMINARY PLOT PLAN FOR JORDAN BUILT HOMES

LOT 13, YARDLEY SUBDIVISION

9249 YARDLEY TOWN DRIVE

REF: B.M. 2018, PAGES 1991-1993

NEW LIGHT TOWNSHIP

WAKE COUNTY, NORTH CAROLINA

MARCH 26, 2019

ZONED R-40W



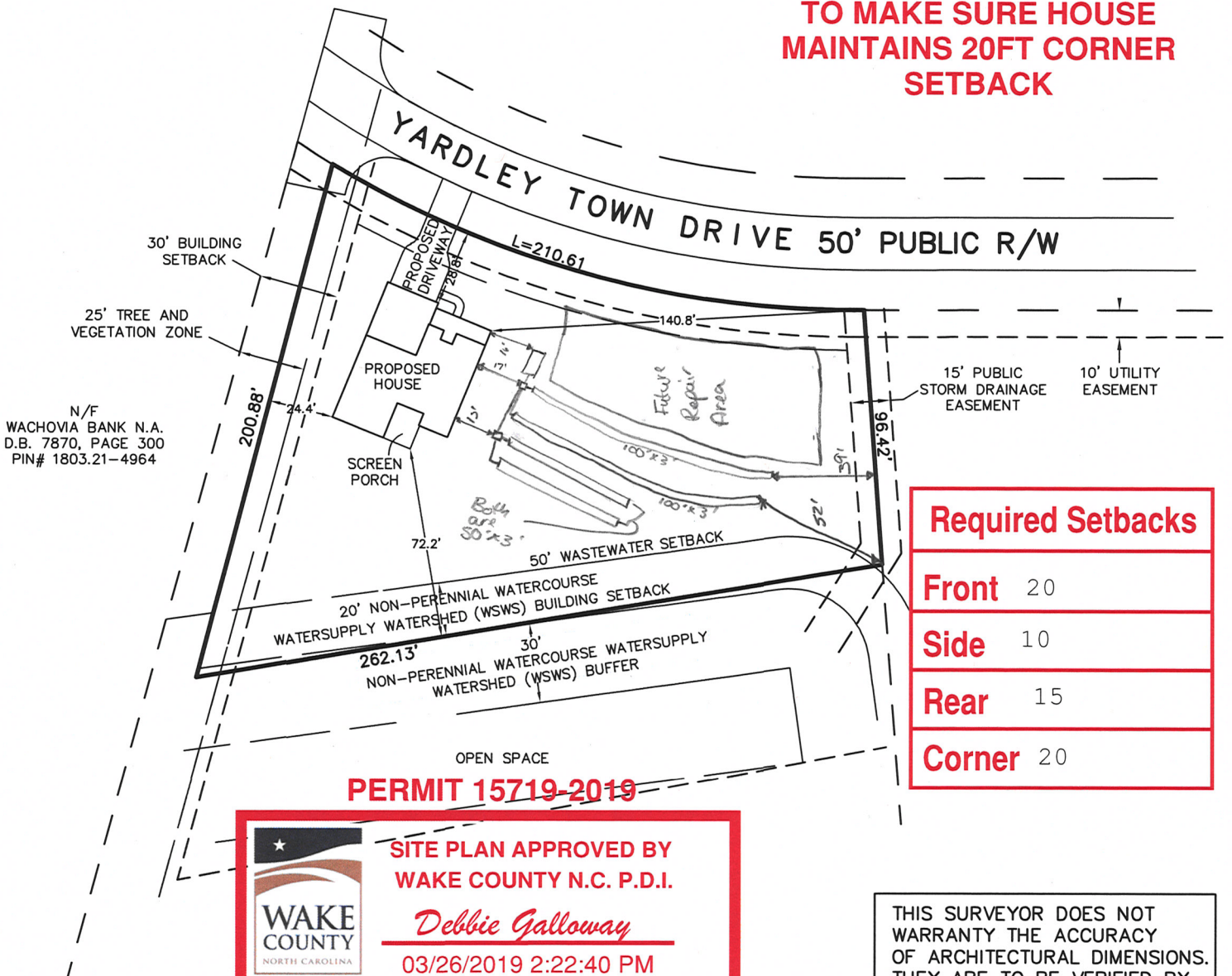
SCALE 1"=60'

WAKE COUNTY N.C. P.D.I.

FOUNDATION SURVEY REQUIRED

TO MAKE SURE HOUSE
MAINTAINS 20FT CORNER
SETBACK

IMPERVIOUS SURFACE TABLE	
HOUSE	2,089 S.F.
SCREEN PORCH	154 S.F.
DRIVEWAY	460 S.F.
SIDEWALKS	41 S.F.
MISC/UTILITIES	9 S.F.
TOTAL IMPERVIOUS AREA	2,753 S.F.
MAXIMUM IMPERVIOUS ALLOWED	6,000 S.F.



Required Setbacks

Front 20

Side 10

Rear 15

Corner 20

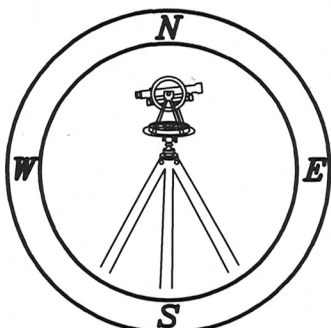


SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.

Debbie Galloway

03/26/2019 2:22:40 PM

THIS SURVEYOR DOES NOT
WARRANTY THE ACCURACY
OF ARCHITECTURAL DIMENSIONS.
THEY ARE TO BE VERIFIED BY
THE CONTRACTOR.



CAWTHORNE, MOSS & PANCIERA, P.C.

Professional Land Surveyors
C-1525

333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556-3148

NOTES:

-THIS PLAN DOES NOT REFLECT AN
ACTUAL SURVEY. IT IS A PRELIMINARY
PLAN AND SHOULD BE USED FOR ITS
INTENDED PURPOSE ONLY.
-NOT FOR RECORDATION, CONVEYANCES,
OR SALES.

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AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

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

CONSTRUCTION AUTHORIZATION PERMIT**PERMIT # WRP-015721-2019****APPLICATION DATE:** 03/26/2019**BLDG. PERMIT#: RBPR-015719-2019****PIN:** 1803313594**RECORDED:** Yes**TOWNSHIP:** 14 - New Light**JURISDICTION:** Wake County**ZONING:** R-40W**APPLICANT:** Jordan's Construction, Inc.
933 Old Knight RD
Knightdale, NC 27545**BUSINESS PHONE:** (919) 300-4048**HOME PHONE:** (919) 300-4048**MOBILE PHONE:****HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 9249 YARDLEY TOWN DR**SUBDIVISION:** YARDLEY**LOT:** 13**ACRES:** 0.72**DIRECTIONS:** From I-540 take Six Forks Rd exit North. Cross over Hwy 98 and Six Forks Rd turns into New Light Road.
Yardley is approximately 3 miles on the left.

Contractors shall install system on contour. See attached SITE PLAN for wastewater system design and well location. No underground utilities, water lines or sprinklers systems may be located in the original system, or permit areas. A septic tank filter with two risers 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 Operations 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 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 nitrifications 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. Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

CONSTRUCTION AUTHORIZATION PERMIT VALID FOR: No Expiration**CONSTRUCTION AUTHORIZATION PERMIT: CA STATUS:** Issued**BY:** Marlena Brown**DATE:** 05/01/2019**CA VALID FOR:** No Expiration **DESIGN FLOW:** 360 GALLONS**BASEMENT:** No**BASEMENT FIXTURES:** No**SEPTIC TANK:** 1000 GALLONS**SEPTIC TANK FILTER:** Yes**DOSING PUMP TANK:****DOSING PUMP TANK FILTER:****GREASE TRAP:****GREASE TRAP FILTER:****RECIRCULATION PUMP TANK:****RECIRCULATION PUMP TANK FILTER:****PROPOSED SYSTEM:** 0.25 - 25% Reduction (Innovative or Accepted)**EXISTING SYSTEM:** No**DRAINFIELD SQ. FT:** 900**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 20 INCHES**DISTRIBUTION DEVICE:** GP - Gravity Parallel**TRENCH #:** 3**TRENCH LENGTH:** FEET**TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 300 FEET**CENTER SPACING:** 9 FEET**MINIMUM SOIL COVER:** 6 INCHES

PRETREATMENT:

SUBFIELDS #:

PUMP TDH:

APPROVAL #:

PUMP DESIGN FLOW:

ZONE VALVE:

ASDMS REQUIRED:

LINE OF CREDIT REQUIRED:

OPERATOR REQUIRED:

P.E. SIGN OFF/ASBUILT REQUIRED:

TRIPARTY AGREEMENT REQUIRED:

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:

3 bedroom septic system design by consultant approved in field. Initial will be gravity using a flow divider and future repair will be pump to pressure manifold. Setbacks to drainage ways will be less than 25', see letter from consultant. House will have a partial foundation drain, see attached documents. No cutting, grading, utilities in septic areas. Maintain all required setback. Please call with questions.

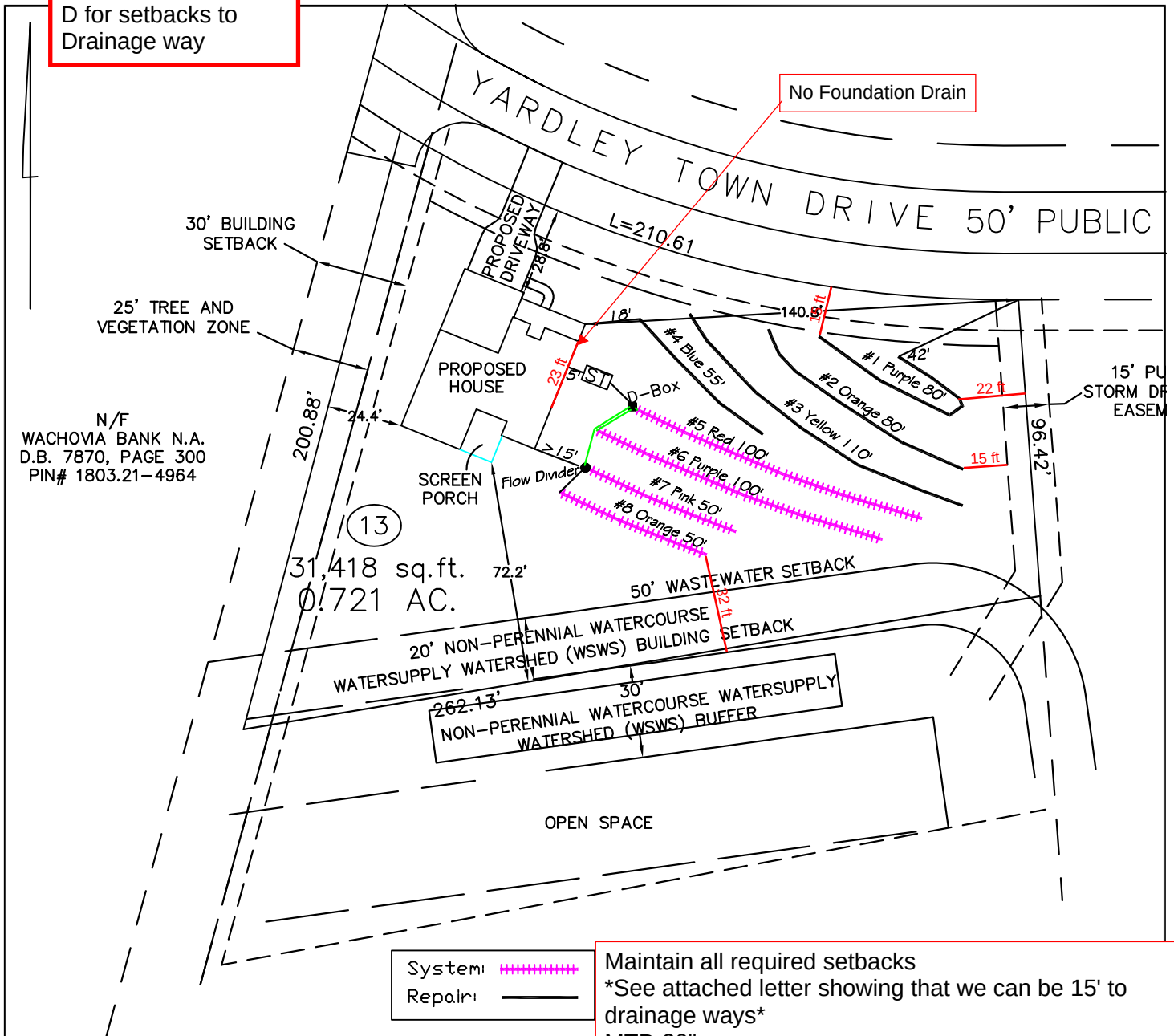
Issued By:



Date: 05/01/2019

CA Part A - D

CA Part B
*See C for
Foundation Drain and
D for setbacks to
Drainage way



System: Gravity to D-Box
Lines: 5-8, (300')
Accepted Status System
0.3 Soil LTAR

Repair: Pressure Manifold
Lines: 1-4 (325')
Accepted Status System
0.3 Soil LTAR

Maintain all required setbacks
*See attached letter showing that we can be 15' to
drainage ways*
MTD 20"
No Cutting or grading or utilities in septic areas

GRAPHIC SCALE
1" = 50'



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 13, Yardley Subdivision
Wake County, North Carolina

Job# : 1871-C
Drawn By : JH
Date : 4/25/2019
Revision:



CA Part C

TEL 919 856 7400
FAX 919 856 7407

Environmental Services

Water Quality Division
336 Fayetteville St. • P.O. Box 550 • Raleigh, NC 27602
www.wakegov.com/water/

Foundation Drain Request Form

Wastewater Permit: WRP-015721-2019 Building Permit: RBPR-015719

Parcel PIN: 1803313594

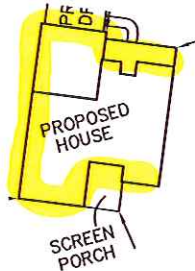
Project (Site) Address: 9249 Yardley Town Dr

PLEASE CIRCLE:

Foundation Drain? YES NO **PARTIAL (demonstrate below)**

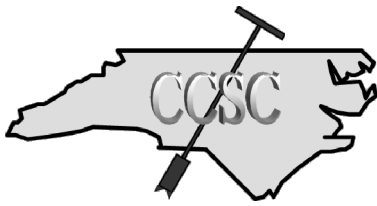
If PARTIAL FOUNDATION DRAIN is circled, please demonstrate where the foundations drain will be located on the diagram below, (add decks, patios, etc. as needed)

Front



Rear

Applicant Signature: *Heidi Zimberlake* Date: 5/1/19



Central Carolina Soil Consulting, PLLC

1900 South Main Street

Suite 110

Wake Forest, NC 27587

919-569-6704

CA Part D

May 2, 2019

Project # 1871-C

Wake Co. Department of Environmental Services

Attention: Marlena Brown

PO Box 550

Raleigh, NC 27602

RE: Regulations Governing Sewage Treatment and Disposal System in Wake County Section IV, B 12 (c) in regards to lot 13 in Yardley Subdivision.

Dear Ms. Brown:

This letter is reference to Regulations Governing Sewage Treatment and Disposal System in Wake County Section IV, B 12 (c) where we request to reduce 25' setback from the 15' Public Storm Drainage Easement along lot 13/14 property line in Yardley Subdivision along with a setback reduction from the road ditch on Yardley Town Drive.

The proposed septic lines all meet the required 15' horizontal setback from the ditches as required in 15A NCAC 18A .1950 (a 13). Since this setback from a vertical cut or ditch meets the State wastewater regulations then the 15' setback is sufficient in Wake County. The drainage ditch will not interfere with the functionality of the wastewater treatment and dispersal fields per Regulations Governing Sewage Treatment and Disposal System in Wake County Section IV, B 12 (c). The road and stormwater ditches are designed to get road/lot runoff to the treatment basin behind lot 13 and are not designed to hold water.

Sincerely,



Jason Hall

NC Licensed Soil Scientist # 1248



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IMPROVEMENT PERMIT

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APPLICATION DATE: 03/26/2019

BLDG. PERMIT #: RBPR-015719-2019

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HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE

EXISTING USE:

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SUBDIVISION: YARDLEY

LOT: 13

ACRES: 0.72

DIRECTIONS: From I-540 take Six Forks Rd exit North. Cross over Hwy 98 and Six Forks Rd turns into New Light Road. Yardley is approximately 3 miles on the left.

Permit is subject to revocation if the Site Plan or Plat changes or the intended use changes.

*Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

IP VALID FOR: No Expiration AS PER GS 130A-335 (f)

DESIGNED BY: CCSC

SYSTEM LAYOUT: Private Sector

SITE CLASSIFICATION: Provisionally Suitable

IP STATUS: Issued

BY: Marlena Brown

DATE: 05/01/2019

NUMBER OF BEDROOMS: 3

OR TOTAL NUMBER OF OCCUPANTS: 6

PERMITTED DESIGN FLOW: 360 GPD

BASEMENT: No

BASEMENT PLUMBING: No

WASTEWATER STRENGTH: Domestic

SYSTEM TYPE: II A

LTAR: 0.300

EXISTING SYSTEM UTILIZED: No

PRETREATMENT STRENGTH REQUIRED: None

EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL: No

MAXIMUM TRENCH DEPTH: 20 INCHES

PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: 3 bedroom septic system design by consultant approved in field. Initial will be gravity using a flow divider and future repair will be pump to pressure manifold. Setbacks to drainage ways will be less than 25', see letter from consultant. House will have a partial foundation drain, see attached documents. No cutting, grading, utilities in septic areas. Maintain all required setback. Please call with questions.

ISSUED BY:

Martin Brown

DATE: 05/01/2019

