

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-005044-2018 **APPLICATION DATE:** 08/27/2018 **BLDG. PERMIT#:** RBPR-062826-2021
PIN: 1842130555 **RECORDED:** Yes
TOWNSHIP: 19 - Wake Forest **JURISDICTION:** Wake County **ZONING:** R-40W
APPLICANT: ECI Construction **BUSINESS PHONE:** (919) 227-6432
Jason Fowler **HOME PHONE:** (919) 227-6432
2701 Rowland Rd **MOBILE PHONE:** (919) 227-6432
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE **EXISTING USE:**
SITE ADDRESS: 8420 ADAGIO CIR
SUBDIVISION: Berklee Estates **LOT:** 47 **ACRES:** 0.69
DIRECTIONS: US 1 toward Franklin county subdivision on the right before franklin county

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: OTHER

PROPRIETARY SYSTEM: IQ4 - Infiltrator Quick 4 Standard **PRETREATMENT SYSTEM:**

SYSTEM TYPE INSTALLED: III G

OPERATION PERMIT: STATUS: Issued

ISSUED BY: Noah Greenway

ISSUED DATE: 01/04/2024

SEPTIC TANK: Other

DATE OF MANUFACTURE: 09/29/2023

FILTER: Polylok - PL-122

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: 2.30

GREASE TRAP ELEVATION:

DOSING PUMP TANK ELEVATION:

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION:

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
34	12	70	3.7
34	12	125	3.9
34	12	105	4
34	12	60	4.9
34	12	45	5.2

ACTUAL PRESSURE HEAD:

ACTUAL FLOW RATE:

ACTUAL DOSE VOLUME:

SPECIFIC OPERATION REQUIREMENTS:

- System designed for 4 bedroom home, having 480gpd.
- Future Repair is a IIIB 50% reduction PPBPS horizontal style system with a Max Trench depth of 34" and a .3LTAR.
- Site serviced by community water.
- No cutting, grading, alterations, or utilities in septic area.
- Maintain all required setbacks.

ISSUED BY:



DATE: 01/04/2024

PRELIMINARY PLOT PLAN FOR

ECI CONSTRUCTION

LOT 47, BERKLEE ESTATES SUBDIVISION, PH 1

8420 ADAGIO CIRCLE

REF: B.M. 2017, PAGE 531-536

WAKE FOREST TOWNSHIP

WAKE COUNTY, NORTH CAROLINA

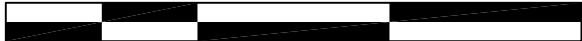
APRIL 24, 2023

ZONED R-40W

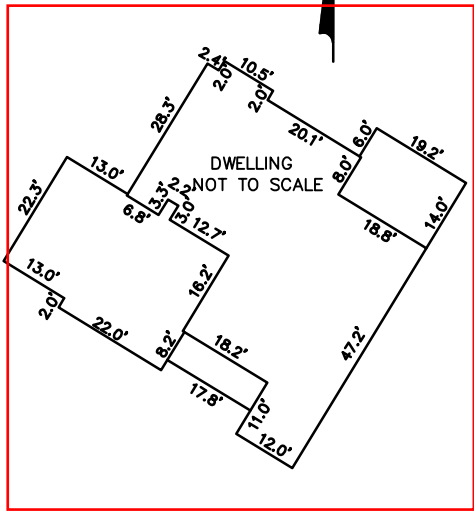


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50 25 0 50 100



SCALE 1"=50'



46

BERKLEE ESTATES
SUBDIVISION PH. 1
B.M. 2017, PG 531-536

47

30,006 S.F.
0.689 AC.

48

BERKLEE ESTATES
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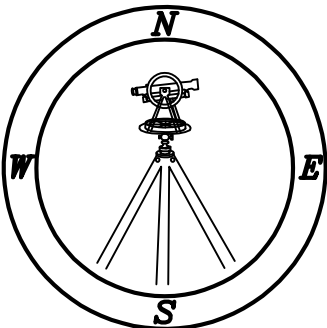
Required Setbacks

Front	15
Side	7.5
Rear	15
Corner	

IMPERVIOUS SURFACE TABLE

HOUSE	2,869 S.F.
DRIVEWAY	995 S.F.
SCREEN PORCH	266 S.F.
SIDEWALK	75 S.F.
TOTAL IMPERVIOUS AREA	4,205 S.F.
MAX. IMPERVIOUS ALLOWED	9,655 S.F.

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:

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ACTUAL SURVEY. IT IS A PRELIMINARY
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CONSTRUCTION AUTHORIZATION PERMIT**PERMIT # WRP-005044-2018****APPLICATION DATE:** 08/27/2018**BLDG. PERMIT#:** RBPR-062826-2021**PIN:** 1842130555**RECORDED:** Yes**TOWNSHIP:** 19 - Wake Forest**JURISDICTION:** Wake County**ZONING:** R-40W**APPLICANT:** ECI Construction
2701 Rowland Rd
Raleigh, NC 27615**BUSINESS PHONE:** (919) 227-6432**HOME PHONE:** (919) 227-6432**MOBILE PHONE:** (919) 227-6432**HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 8420 ADAGIO CIR**SUBDIVISION:** Berklee Estates**LOT:** 47**ACRES:** 0.69**DIRECTIONS:** US 1 toward Franklin county subdivision on the right before franklin county

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: Five Years**CONSTRUCTION AUTHORIZATION PERMIT: CA STATUS:** Issued**BY:** Noah Greenway**DATE:** 05/30/2022**CA VALID FOR:** Five Years**DESIGN FLOW:** 480 GALLONS**BASEMENT:** No**BASEMENT FIXTURES:** No**SEPTIC TANK:** 1200 GALLONS**SEPTIC TANK FILTER:** Yes**DOSING PUMP TANK:****DOSING PUMP TANK FILTER:** No**GREASE TRAP:****GREASE TRAP FILTER:** No**RECIRCULATION PUMP TANK:****RECIRCULATION PUMP TANK FILTER:** No**PROPOSED SYSTEM:** 0.25 - 25% Reduction (Innovative or Accepted)**EXISTING SYSTEM:****DRAINFIELD SQ. FT:** 1,215**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 34 INCHES**DISTRIBUTION DEVICE:** GS - Gravity Serial**TRENCH #:** 5**TRENCH LENGTH:** 70, 125, 105, **TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 405 FEET

60, 45 FEET

CENTER SPACING: 9 FEET**MINIMUM SOIL COVER:** 6 INCHES

PRETREATMENT:

SUBFIELDS #:

PUMP TDH:

APPROVAL #:

PUMP DESIGN FLOW:

ZONE VALVE:

ASDMS REQUIRED: No

LINE OF CREDIT REQUIRED: No

OPERATOR REQUIRED: No

P.E. SIGN OFF/ASBUILT REQUIRED: No

TRIPARTY AGREEMENT REQUIRED: No

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:

- System designed for 4 bedroom home, having 480 gals per day (Design Flow).
- Future Repair is a IIIB 50% reduction PPBPS horizontal style system with a Max Trench depth of 34" and a .3 LTAR.
- Site serviced by community well water.
- Any deviation from accepted design must be approved by Wake County ES prior to system installation.
- Maintain all required setbacks.
- All property lines must be fully marked at time of install or reinspection required.
- Please contact Noah Greenway (919)868-2564 with any questions prior or during install.

Issued By:



Date: 05/30/2022

PRELIMINARY PLOT PLAN FOR

ECI CONSTRUCTION

LOT 47, BERKLEE ESTATES SUBDIVISION, PH 1

8420 ADAGIO CIRCLE

REF: B.M. 2017, PAGE 531-536

WAKE FOREST TOWNSHIP

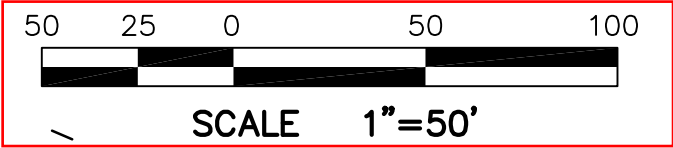
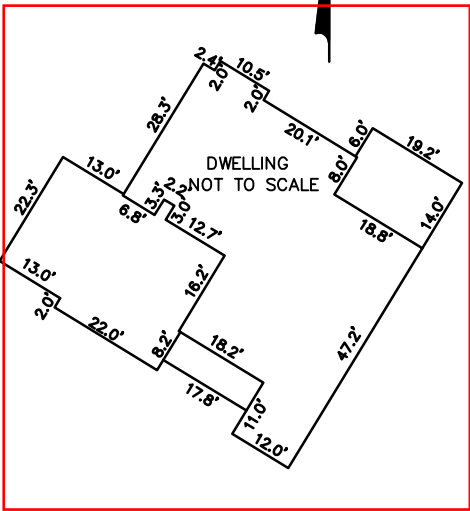
WAKE COUNTY, NORTH CAROLINA

APRIL 24, 2023

ZONED R-40W



RBPR 062826-2021



46
BERKLEE ESTATES
SUBDIVISION PH. 1
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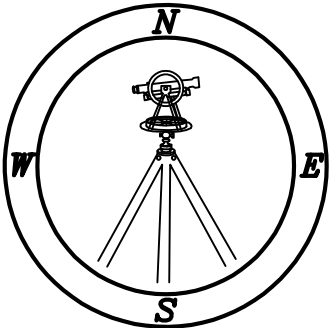
47
30,006 S.F.
0.689 AC.

48
BERKLEE ESTATES
SUBDIVISION PH. 1
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Required Setbacks	
Front	15
Side	7.5
Rear	15
Corner	

IMPERVIOUS SURFACE TABLE	
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IMPROVEMENT PERMIT

PERMIT #: WRP-005044-2018

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SUBDIVISION: Berklee Estates

LOT: 47

ACRES: 0.69

DIRECTIONS: US 1 toward Franklin county subdivision on the right before franklin county

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: Five Years AS PER GS 130A-335 (f)

DESIGNED BY: CCSC

SYSTEM LAYOUT: Private Sector

SITE CLASSIFICATION: Provisionally Suitable

IP STATUS: Issued

BY: Noah Greenway

DATE: 05/30/2022

NUMBER OF BEDROOMS: 4

OR TOTAL NUMBER OF OCCUPANTS: 8

PERMITTED DESIGN FLOW: 480 GPD

BASEMENT: No

BASEMENT PLUMBING: No

WASTEWATER STRENGTH: Domestic

SYSTEM TYPE: III G

LTAR: 0.300

EXISTING SYSTEM UTILIZED: No

PRETREATMENT STRENGTH REQUIRED: None

EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL: No

MAXIMUM TRENCH DEPTH: 34 INCHES

PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: -System designed for 4 bedroom home, having 480gpd.

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-Site serviced by community water.

-No cutting, grading, alterations, or utilities in septic area.

-Maintain all required setbacks.

ISSUED BY:

A handwritten signature in black ink, reading "Mark Greenway". The signature is written in a cursive style with a large initial 'M' and a long, sweeping underline.

DATE: 05/30/2022

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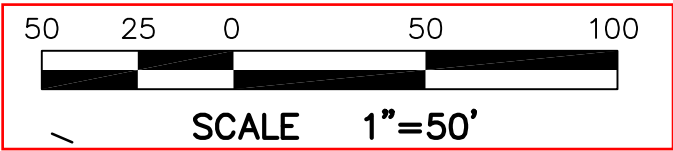
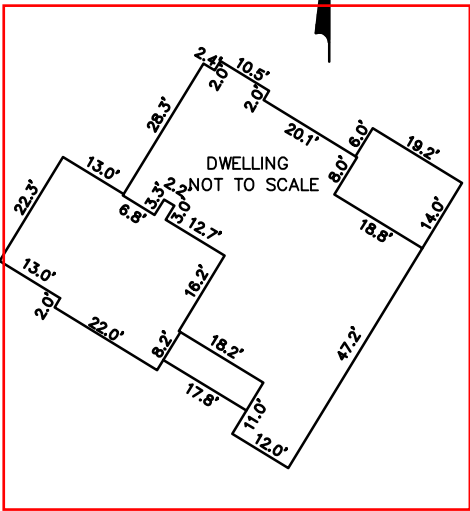
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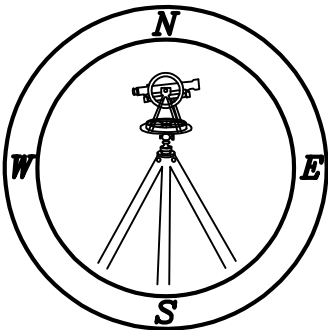
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