

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-035569-2020 **APPLICATION DATE:** 03/27/2020 **BLDG. PERMIT#:** RBPR-036158-2020
PIN: 1842020975 **RECORDED:** Yes
TOWNSHIP: 19 - Wake Forest **JURISDICTION:** Wake County **ZONING:** R-40W
APPLICANT: ECI. Custom Homes
Doug O'Neal
213 Woods Ream DR **BUSINESS PHONE:** (919) 414-7841
HOME PHONE: Same
MOBILE PHONE: (919) 414-7841
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE **EXISTING USE:**
SITE ADDRESS: 3628 LEGATO LN
SUBDIVISION: Berklee Estates PH 2 **LOT:** 19 **ACRES:** 0.69
DIRECTIONS: none

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: BLACKLEY, PHILLIP C - 1935 - II

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

SYSTEM TYPE INSTALLED: II A

OPERATION PERMIT: **STATUS:** Issued

ISSUED BY: Jeremy Davis

ISSUED DATE: 11/05/2020

SEPTIC TANK: Erader Mills - STB-858 - 1000
gallons

DATE OF MANUFACTURE: 08/24/2020 **FILTER:** Polylok - PL-68

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: 3.91

GREASE TRAP ELEVATION:

DOSING PUMP TANK ELEVATION:

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION: 6

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
24	12	75	7.16
24	12	75	8
24	12	75	9.08
24	12	75	10.25

ACTUAL PRESSURE HEAD:

ACTUAL FLOW RATE:

ACTUAL DOSE VOLUME:

SPECIFIC OPERATION REQUIREMENTS:

- System designed for 3 bedroom home, having 360 gals per day.
- Single Family Dwelling

ISSUED BY:



DATE: 11/05/2020

ECI HOMES

SCALE 1"=60'



04/29/2020 2:52:28 PM

SETBACK SURVEY REQUIRED

20

AS Built

Future Repair

20' PUBLIC
DRAINAGE
EASEMENT

OPEN SPACE

[illegible]

LEGATO LANE 50' PUBLIC R/W

PROPOSED DRIVEWAY

35.0'

68.59'

10.8'

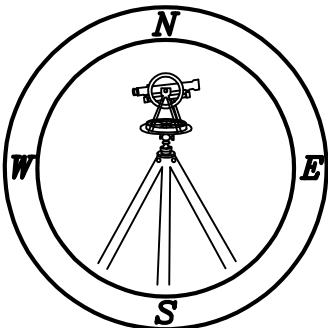
Required Setbacks

Front 15'

Corner

HOUSE	2,726 S.F.
DRIVEWAY	523 S.F.
SIDEWALK	38 S.F.
DECK	178 S.F.
TOTAL IMPERVIOUS AREA	3,465 S.F.
MAXIMUM IMPERVIOUS AREA = 9,655 S.F.	

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



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-035569-2020****APPLICATION DATE:** 03/27/2020**BLDG. PERMIT#:** RBPR-036158-2020**PIN:** 1842020975**RECORDED:** Yes**TOWNSHIP:** 19 - Wake Forest**JURISDICTION:** Wake County**ZONING:** R-40W

APPLICANT: ECI. Custom Homes
213 Woods Ream DR
Raleigh, NC 27615

BUSINESS PHONE: (919) 414-7841**HOME PHONE:** Same**MOBILE PHONE:** (919) 414-7841**HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 3628 LEGATO LN**SUBDIVISION:** Berklee Estates PH 2**LOT:** 19**ACRES:** 0.69**DIRECTIONS:** none

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:** Michael Seewald**DATE:** 06/01/2020**CA VALID FOR:** Five Years**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:****DRAINFIELD SQ. FT:** 900**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 24 INCHES**DISTRIBUTION DEVICE:** GP - Gravity Parallel**TRENCH #:** 4**TRENCH LENGTH:** 75 FEET**TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 300 FEET**CENTER SPACING:** 9 FEET**MINIMUM SOIL COVER:** 6 INCHES**PRETREATMENT:****APPROVAL #:**

SUBFIELDS #: 1

PUMP TDH:

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:

- System designed for 3 bedroom home, having 360 GPD (Design Flow).
- Future Repair is a Type II C system with a Max Trench depth of 24" and a 0.3 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 Michael Seewald 919-710-5389 with any questions prior or during install

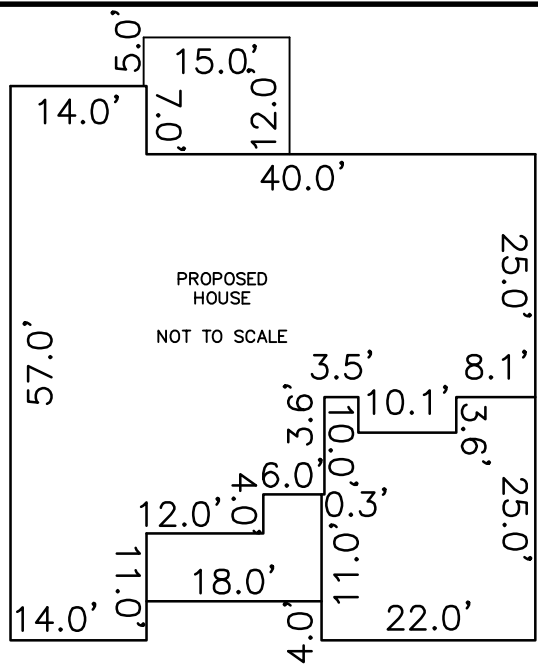
Issued By:



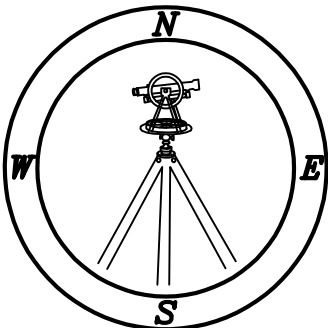
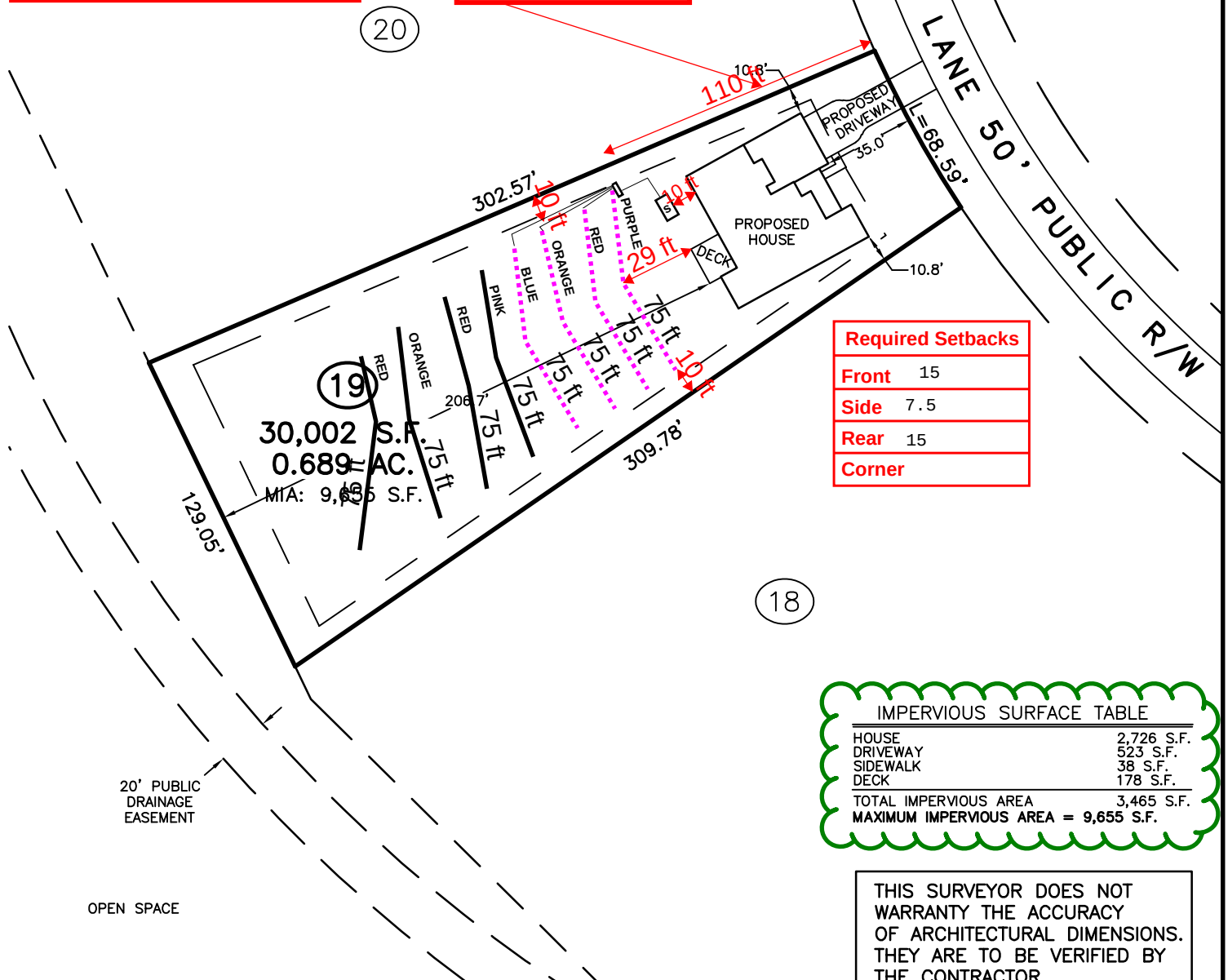
Date: 06/01/2020

ECI HOMES

SCALE 1"=60'



WAKE COUNTY N.C. P.D.I.
SETBACK SURVEY REQUIRED



CAWTHORNE, MOSS
& PANCIERA, P.C.

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

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IMPROVEMENT PERMIT

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HOME PHONE: Same

MOBILE PHONE: (919) 414-7841

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE

EXISTING USE:

SITE ADDRESS: 3628 LEGATO LN

SUBDIVISION: Berklee Estates PH 2

LOT: 19

ACRES: 0.69

DIRECTIONS: none

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:

SYSTEM LAYOUT: Staff

SITE CLASSIFICATION: Provisionally Suitable

IP STATUS: Issued

BY: Michael Seewald

DATE: 06/01/2020

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 C

LTAR: 0.300

EXISTING SYSTEM UTILIZED: No

PRETREATMENT STRENGTH REQUIRED: None

EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL: No

MAXIMUM TRENCH DEPTH: 24 INCHES

PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: - System designed for 3 bedroom home, having 360 GPD (Design Flow).

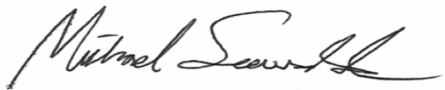
- Future Repair is a Type II C system with a Max Trench depth of 24" and a 0.3 LTAR.

- Site serviced by Community Well water.

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

- Maintain all required setbacks.

ISSUED BY:

A handwritten signature in black ink, appearing to read "Michael Smith". The signature is fluid and cursive, with the first name "Michael" and last name "Smith" clearly distinguishable.

DATE: 06/01/2020

PRELIMINARY PLOT PLAN FOR

ECI HOMES

LOT 19, BERKLEE ESTATES

3628 LEGATO LANE

REF: B.M. 2017, PAGE 1667

WAKE FOREST TOWNSHIP

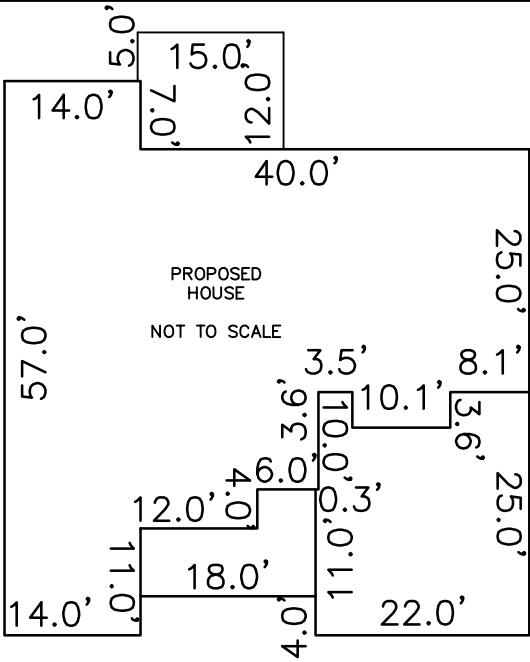
WAKE COUNTY, NORTH CAROLINA

MARCH 23, 2020

ZONED R-40W



SCALE 1"=60'

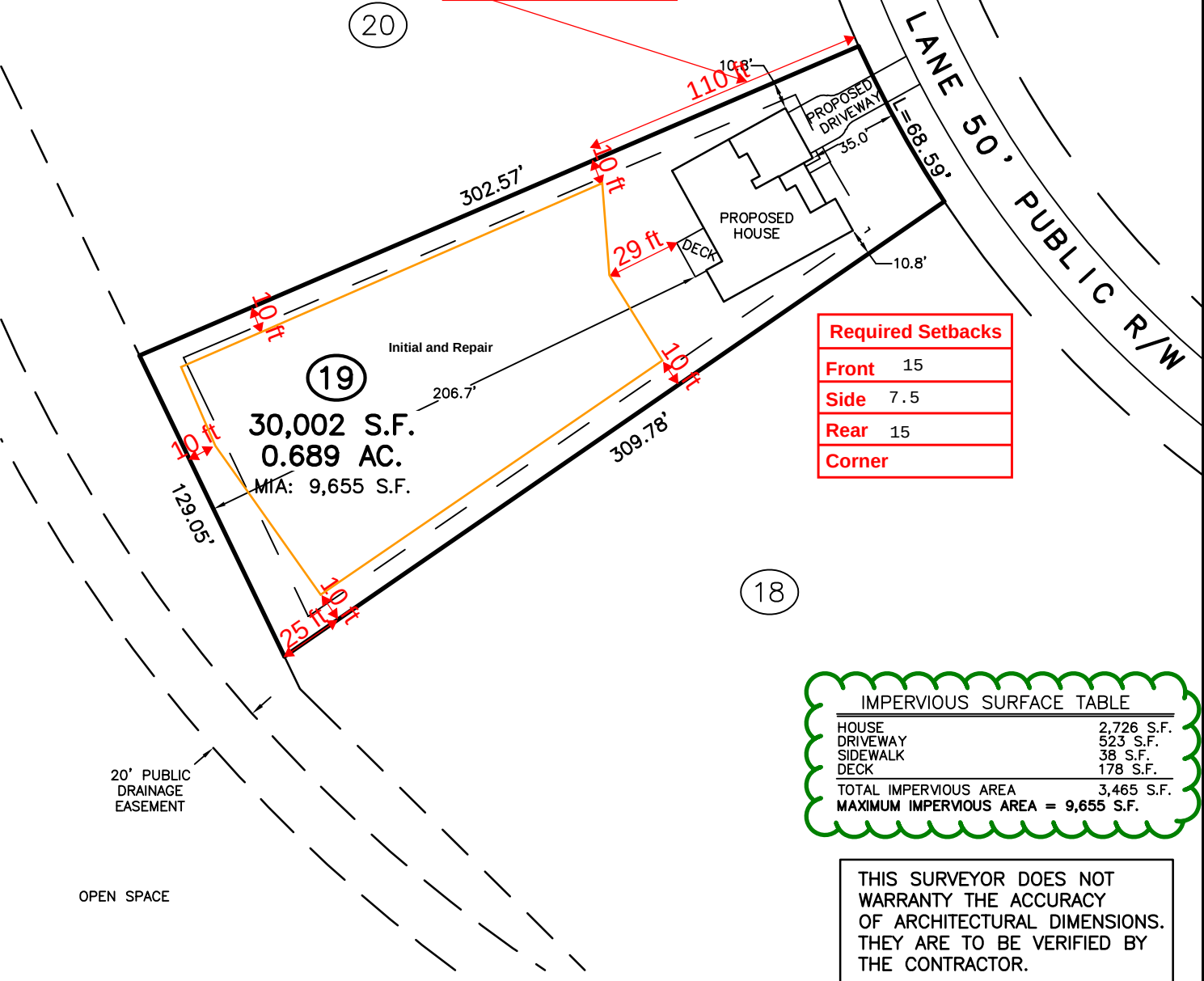


SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.
Nikki McIntyre
04/29/2020 2:52:28 PM

RBPR-036158-2020

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

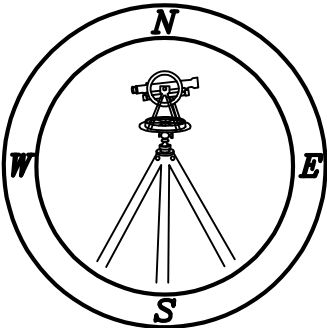
SETBACK SURVEY REQUIRED



Required Setbacks	
Front	15
Side	7.5
Rear	15
Corner	

IMPERVIOUS SURFACE TABLE	
HOUSE	2,726 S.F.
DRIVEWAY	523 S.F.
SIDEWALK	38 S.F.
DECK	178 S.F.
TOTAL IMPERVIOUS AREA	3,465 S.F.
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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

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