

# **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-022243-2019      **APPLICATION DATE:** 07/19/2019      **BLDG. PERMIT#:** RBPR-021921-2019  
**PIN:** 2706293204      **RECORDED:** Yes  
**TOWNSHIP:** 09 - Little River      **JURISDICTION:** Wake County      **ZONING:** R-30  
**APPLICANT:** Highland Builders Inc  
Jay Alavi  
4300 Brinleys Cove CT      **BUSINESS PHONE:** (919) 749-9627  
**HOME PHONE:** (919) 740-9627  
**MOBILE PHONE:** (919) 740-9627  
**HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE      **EXISTING USE:**  
**SITE ADDRESS:** 1305 NARRON FARM RD  
**SUBDIVISION:** WAKEFIELD MEADOWS PH3      **LOT:** 19      **ACRES:** 1.10  
**DIRECTIONS:** Take US-264 E/US-64 E to NC-96 S/N Arendell Ave in Zebulon. Take exit 435 from US-264 E/US-64 E  
Take Pearces Road North, Right on Pippin, left on Narron Farm

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 C

**OPERATION PERMIT: STATUS:** Issued

**ISSUED BY:** James Adcock

**ISSUED DATE:** 05/28/2020

**SEPTIC TANK:** David Brantley & Sons - STB-323 - 1250 gallons      **DATE OF MANUFACTURE:** 10/10/2019      **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:** 2.58

**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<br>BOTTOM ELEVATION |
|------------------------|---------------------------|-------------------------|--------------------------------------|
| 12                     | 12                        | 140                     | 5.88                                 |
| 12                     | 12                        | 140                     | 6.54                                 |
| 12                     | 12                        | 140                     | 7.21                                 |

**ACTUAL PRESSURE HEAD:**

**ACTUAL FLOW RATE:**

**ACTUAL DOSE VOLUME:**

**SPECIFIC OPERATION REQUIREMENTS:**

System is for a 4 bedroom home at 480 gpd.

**ISSUED BY:**



**DATE:** 05/28/2020

RBPR-021921-2019

PRELIMINARY PLOT PLAN FOR

HIGHLAND BUILDERS, LLC.

LOT 19, WAKEFIELD MEADOWS, PH. 3

1305 NARRON FARM ROAD

REF: B.M. 2005, PG. 73-75

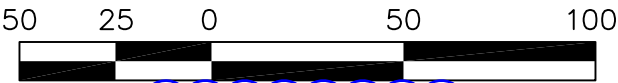
LITTLE RIVER TOWNSHIP

WAKE COUNTY, NORTH CAROLINA

MAY 31, 2019

REVISED JULY 10, 2019

ZONED R-30

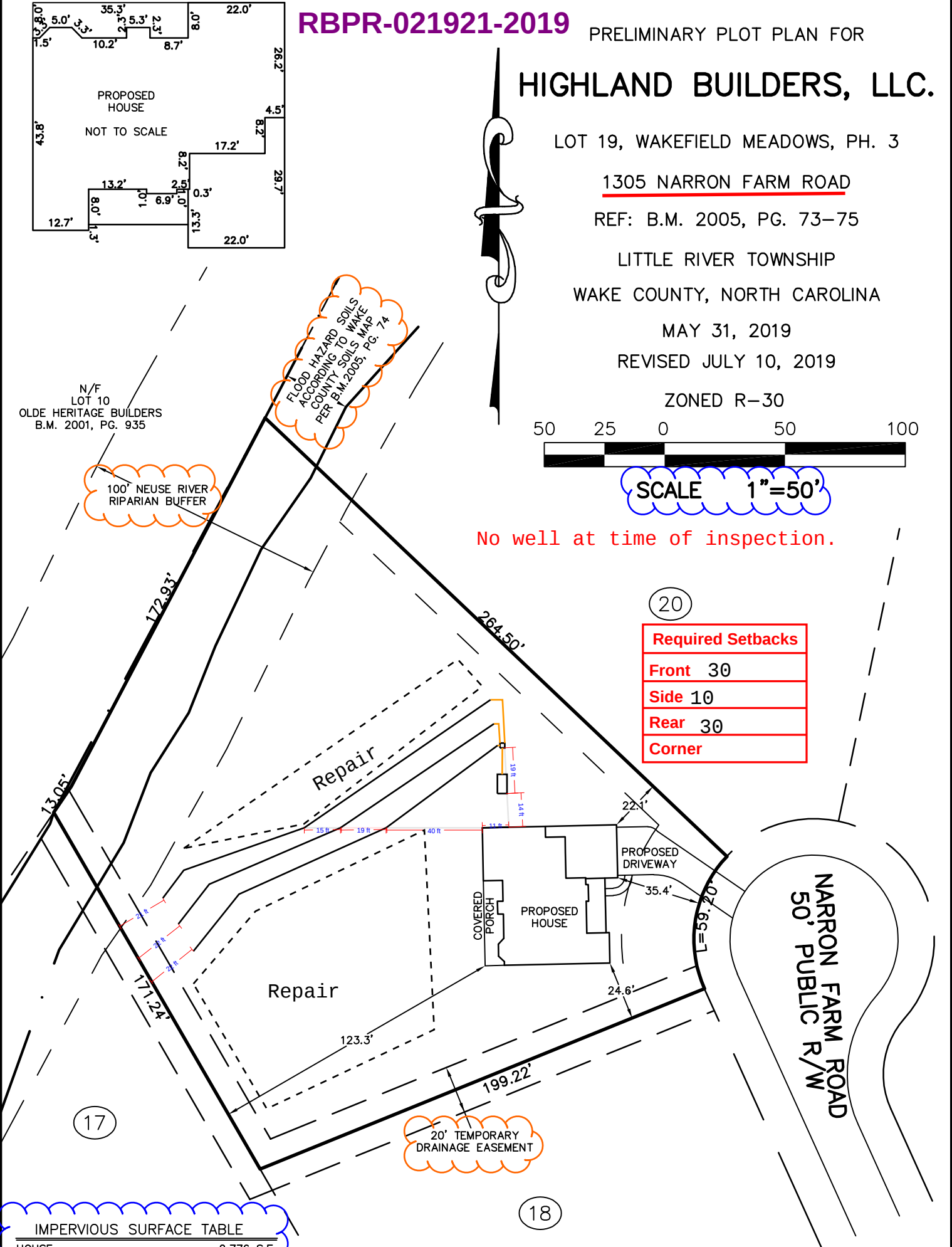


SCALE 1"=50'

No well at time of inspection.

20

| Required Setbacks |    |
|-------------------|----|
| Front             | 30 |
| Side              | 10 |
| Rear              | 30 |
| Corner            |    |



IMPERVIOUS SURFACE TABLE

|                               |             |
|-------------------------------|-------------|
| HOUSE                         | 2,776 S.F.  |
| COVERED PORCH                 | 253 S.F.    |
| DRIVEWAY                      | 649 S.F.    |
| SIDEWALKS                     | 42 S.F.     |
| MISC/UTILITIES                | 18 S.F.     |
| TOTAL IMPERVIOUS AREA         | 3,738 S.F.  |
| TOTAL LOT AREA                | 47,938 S.F. |
| PERCENTAGE OF IMPERVIOUS AREA | 7.79 %      |

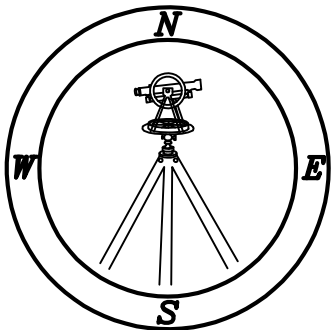
SITE PLAN APPROVED BY

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

*Nikki McIntyre*

07/18/2019 9:03:35 AM

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.  
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**CONSTRUCTION AUTHORIZATION PERMIT****PERMIT # WRP-022243-2019****APPLICATION DATE:** 07/19/2019**BLDG. PERMIT#:** RBPR-021921-2019**PIN:** 2706293204**RECORDED:** Yes**TOWNSHIP:** 09 - Little River**JURISDICTION:** Wake County**ZONING:** R-30

**APPLICANT:** Highland Builders Inc  
4300 Brinleys Cove CT  
Raleigh, NC 27614

**BUSINESS PHONE:** (919) 749-9627**HOME PHONE:** (919) 740-9627**MOBILE PHONE:** (919) 740-9627**HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 1305 NARRON FARM RD**SUBDIVISION:** WAKEFIELD MEADOWS PH3**LOT:** 19**ACRES:** 1.10

**DIRECTIONS:** Take US-264 E/US-64 E to NC-96 S/N Arendell Ave in Zebulon. Take exit 435 from US-264 E/US-64 E  
Take Pearces Road North, Right on Pippin, left on Narron Farm

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:** Marlena Brown**DATE:** 08/20/2019**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:****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:** 1,260**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 12 INCHES**DISTRIBUTION DEVICE:** GP - Gravity Parallel**TRENCH #:** 3**TRENCH LENGTH:** 140 FEET**TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 420 FEET**CENTER SPACING:** 9 FEET**MINIMUM SOIL COVER:** 6 INCHES

**PRETREATMENT:**

**SUBFIELDS #:**

**PUMP TDH:**

**APPROVAL #:**

**PUMP DESIGN FLOW:**

**ZONE VALVE:**

**ASDMS REQUIRED:**

**P.E. SIGN OFF/ASBUILT REQUIRED:**

**LINE OF CREDIT REQUIRED:**

**TRIPARTY AGREEMENT REQUIRED:**

**OPERATOR REQUIRED:**

**SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:**

- System designed for 4 bedroom home, having 480 gals per day.
- Initial is designed as an AT-Grade using a 12" bottom. A pre-con meeting required to approval soil cover before install.
- Future Repair is split IIIB
- Site serviced by private well water.
- Any deviation from accepted design must be approved by the consultant & Wake County ES prior to system installation.
- Maintain all required setbacks.
- Please contact Marlena Brown at 919-268-9072 with any questions prior or during install.

**Issued By:**



**Date:** 08/20/2019

CA Part A-B

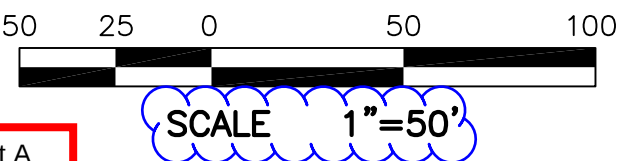
RBPR-021921-2019

PRELIMINARY PLOT PLAN FOR

HIGHLAND BUILDERS, LLC.

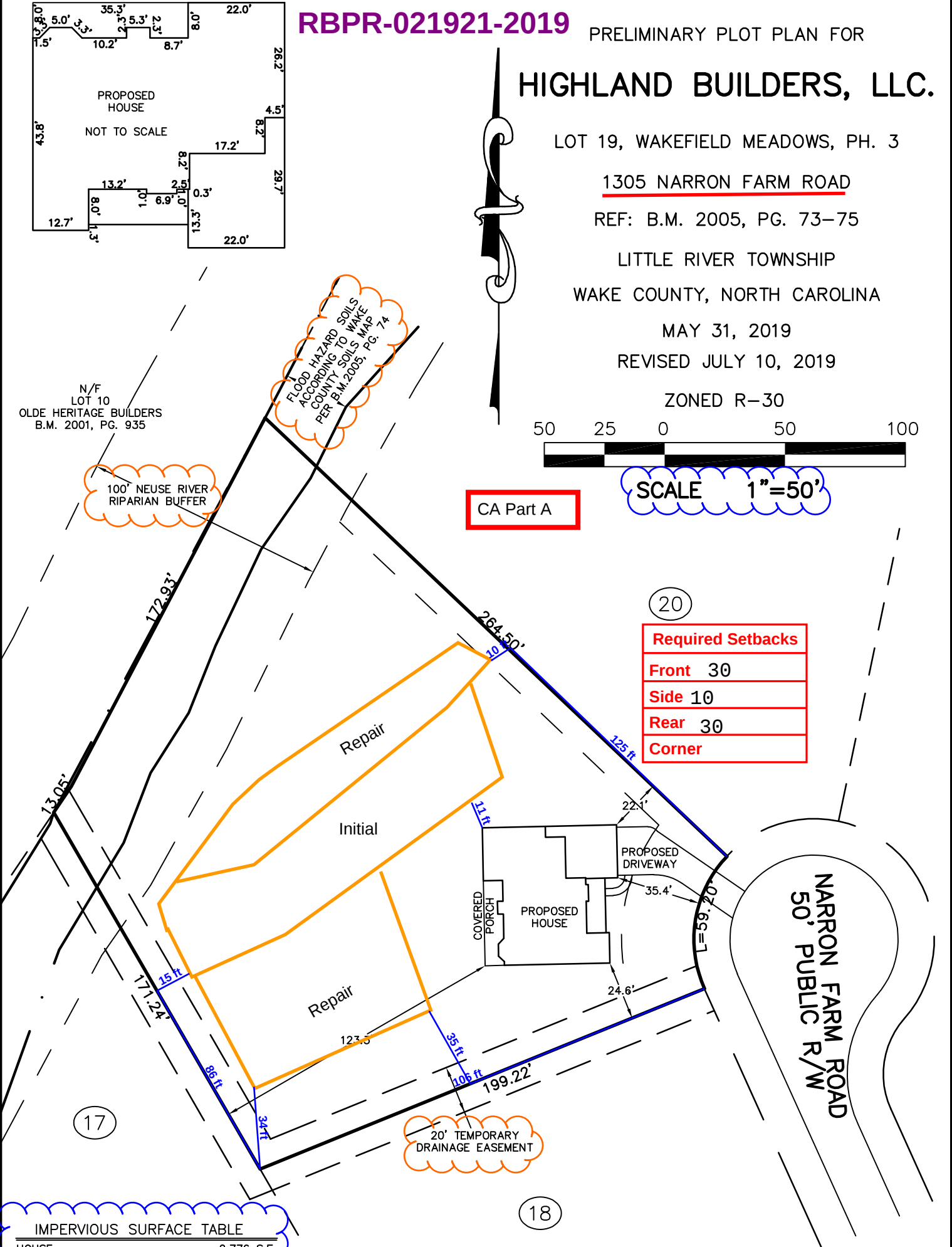
LOT 19, WAKEFIELD MEADOWS, PH. 3  
1305 NARRON FARM ROAD  
REF: B.M. 2005, PG. 73-75  
LITTLE RIVER TOWNSHIP  
WAKE COUNTY, NORTH CAROLINA  
MAY 31, 2019  
REVISED JULY 10, 2019

ZONED R-30



CA Part A

|                   |
|-------------------|
| (20)              |
| Required Setbacks |
| Front 30          |
| Side 10           |
| Rear 30           |
| Corner            |



| IMPERVIOUS SURFACE TABLE      |             |
|-------------------------------|-------------|
| HOUSE                         | 2,776 S.F.  |
| COVERED PORCH                 | 253 S.F.    |
| DRIVEWAY                      | 649 S.F.    |
| SIDEWALKS                     | 42 S.F.     |
| MISC/UTILITIES                | 18 S.F.     |
| TOTAL IMPERVIOUS AREA         | 3,738 S.F.  |
| TOTAL LOT AREA                | 47,938 S.F. |
| PERCENTAGE OF IMPERVIOUS AREA | 7.79 %      |

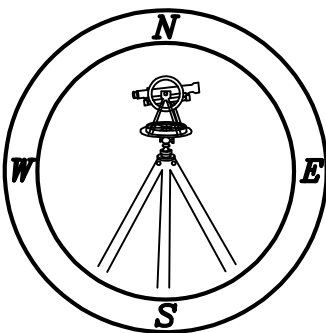
SITE PLAN APPROVED BY

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

*Nikki McIntyre*

07/18/2019 9:03:35 AM

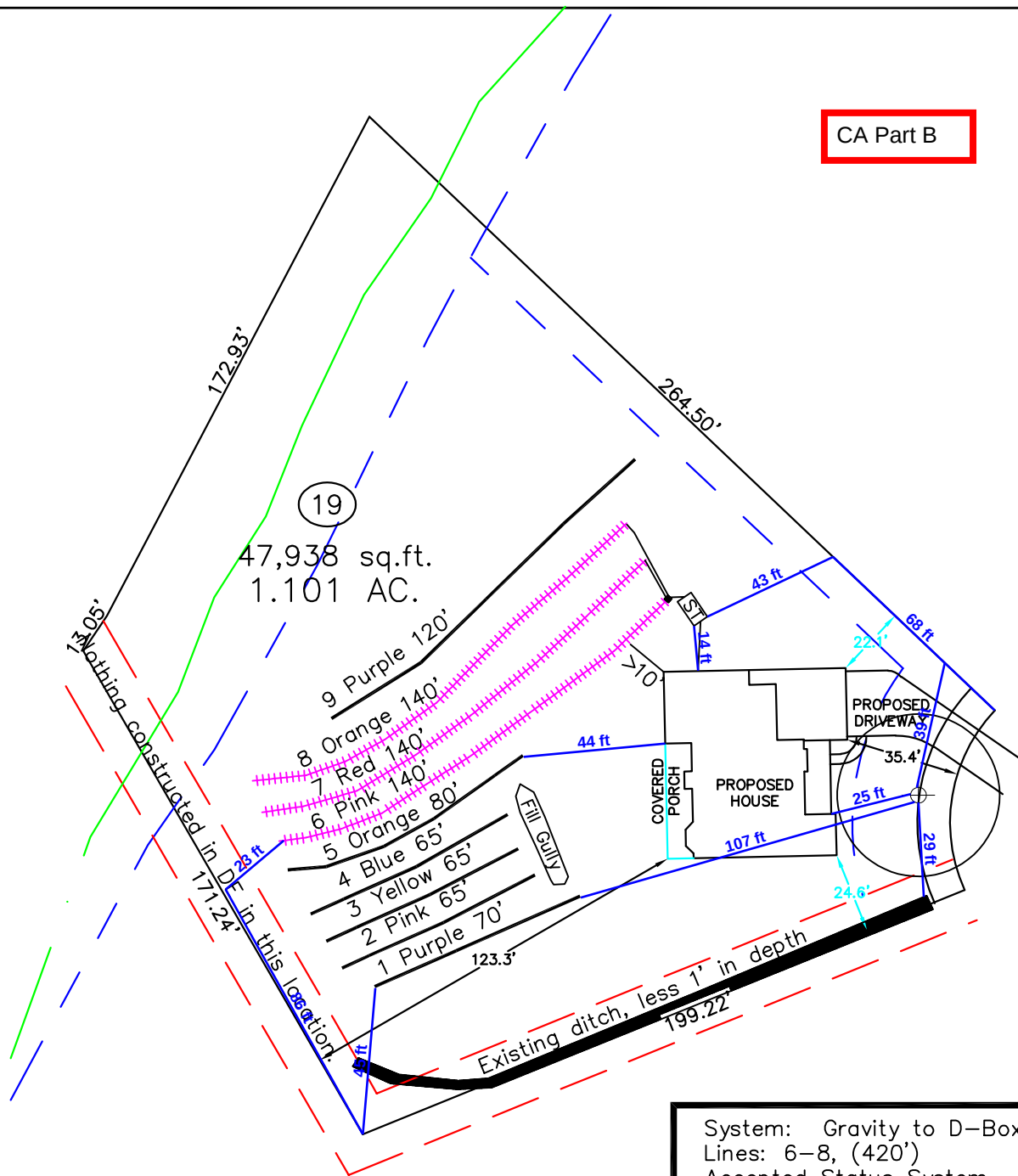
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CAWTHORNE, MOSS  
& PANCIERA, P.C.  
Professional Land Surveyors  
C-1525  
333 S. White Street  
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Wake Forest, N.C. 27588  
(919)556-3148

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CA Part B



GRAPHIC SCALE  
1" = 50'



System: Gravity to D-Box  
Lines: 6-8, (420')  
Accepted Status System  
0.3 Soil LTAR  
12" Trench Bottom

Repair: Pressure Manifold  
Lines: 1-5, 9 (465')  
Accepted Status System  
line 9 at 12" TB  
lines 1-5 at 18" TB

Central Carolina Soil Consulting, PLLC  
1900 South Main Street, Suite 110  
Wake Forest, North Carolina 27587  
Phone (919)569-6704 Fax (919)569-6703

Septic Site Plan  
4-Bedroom  
Lot 19 Wakefield Meadows Subdivision  
Wake County, North Carolina

|                   |
|-------------------|
| Job# : 2933       |
| Drawn By : JR     |
| Date : 08/06/2019 |
| Revision: 8-19-19 |
|                   |
|                   |

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## **IMPROVEMENT PERMIT**

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**APPLICATION DATE:** 07/19/2019

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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:** Marlena Brown

**DATE:** 08/20/2019

**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:** II C

**LTAR:** 0.300

**EXISTING SYSTEM UTILIZED:** No

**PRETREATMENT STRENGTH REQUIRED:** None

**EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL:** No

**MAXIMUM TRENCH DEPTH:** 12 INCHES

**PUMP REQUIRED:** No

**SPECIFIC SYSTEM REQUIREMENTS:** -System designed for 4 bedroom home, having 480 gals per day.

-Initial is designed as an AT-Grade using a 12" bottom.

-Future Repair is split IIIB

-Site serviced by private well water.

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

-Maintain all required setbacks.

**ISSUED BY:**

A handwritten signature in blue ink, appearing to read "Mark Brown", is written over a light gray rectangular background.

**DATE:** 08/20/2019

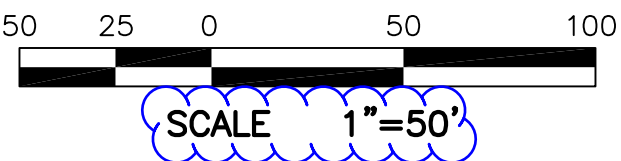
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PRELIMINARY PLOT PLAN FOR

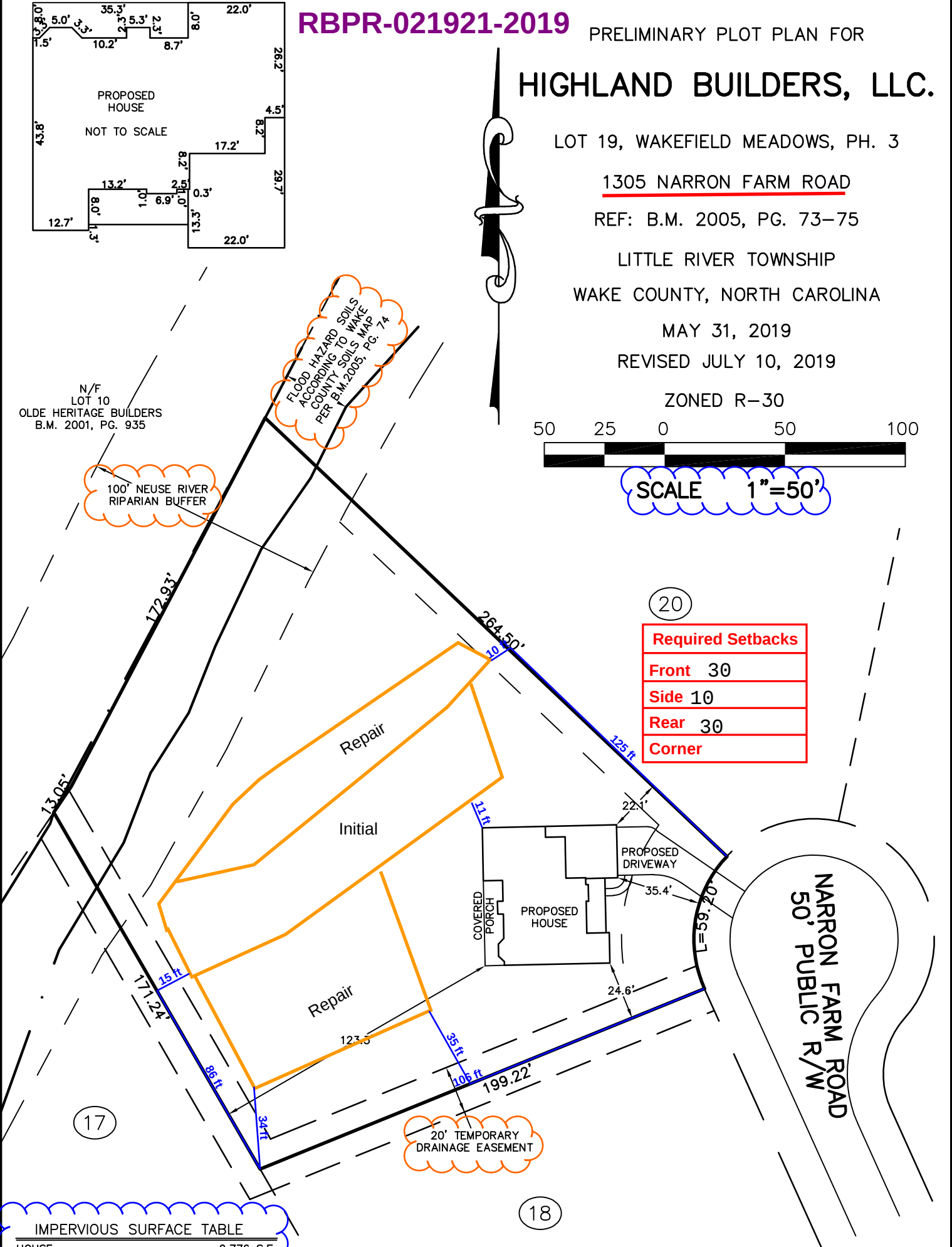
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ZONED R-30



|                   |
|-------------------|
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| Corner            |



|                               |             |
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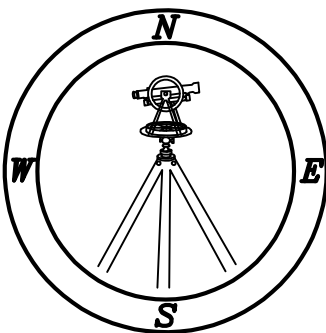
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