

Environmental Services - Water Quality  
Onsite Wastewater Scan Data Entry Form

PERMIT #: **D 0 5 5 I 5 8**

PIN #: **0 6 9 9 8 5 0 8 9 7**

OP DATE: **0 7 / 1 0 / 2 0 1 7**

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

- |                                     |                                     |                                     |                  |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| <input type="checkbox"/>            | <input type="checkbox"/>            |                                     | 750              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 900              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 1,000            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 1,200            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 1,500            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 1,800            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 2,100            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 2,500            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 3,000            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 4,000            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 5,000            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 8,000            |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 10,000           |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | Other            |
| <input checked="" type="checkbox"/> |                                     | <input checked="" type="checkbox"/> | None/NA GT or PT |

DRAINFIELD SIZE(SQ. FT.)

**0 0 9 0 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 21"

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#: **D055158** STATUS: **A** APP. DATE: **05/13/2016** BLDG. PERMIT#: **0163626**  
PIN: **0699 85 0897 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#:   
TOWNSHIP: **15 PANTHER BRANCH** JURISDICTION: **WC** ZONING: **R40W** SW DEVICE: **N S#:**  
APPLICANT: **WILLIAMS & WILLIAMS** ( **919** ) **291 - 8198**  
**1104 ARMSLEIGH CT** **RALEIGH, NC 27603**  
USE: **HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE:   
LTAR: **0.30 0.30** BEDROOMS: **3** BASEMENT: **N** #EMPLOYEES: **0**  
SITE: **ADDRESS: 1124 ARMSLEIGH CT**  
SUBDIVISION: **WHITECROFT** LOT: **20** ACRES: **0.53** EASEMENT: **N** LOC: **SYS:**  
DIRECTION: **401 SOUTH L 1010 L OLD STAGE S/D ON L**

**Well System: WATER: COMMUNITY - TYPE:**

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: **COMMUNITY WATER**

**Operation Permit**

DESIGN FLOW:  gal./min. ACTUAL FLOW:  DOSE VOLUME:  gal. INNOVATIVE LETTER:   
INSTALLED BY: **Junior - Cardenas Backhoe** INSTALLATION APPROVED BY: **[Signature]**  
PROPRIETARY SYSTEM: **E2 Flow** TYPE SYSTEM: **II A**  
COMMENTS:   
OPERATIONS PERMIT ISSUED?  OP DATE: **7/10/17** BY: **[Signature]**

\*\*\*\*\*  
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: **7-10-17** Benchmark: **TS** Rod reading: **1'3"** Distance to Structure: **11' house**  
ST: **1000** gals ID#: **MCP STB 814** D.O.M.: **1-17-17** Elev.: **1'3"** Distance to Well:   
PT:  gals ID#:  D.O.M.:  Elev.:  Distance to P/L:   
GT:  gals ID#:  D.O.M.:  Elev.:  Pretreatment:   
D-box/FD/PM elev.: **4'9"** Supply Line:  ft. Pump/Ctrl Panel:  Filter:   
Line 1: **6'7"** Date:  Line 6:  Date:   
Line 2: **7'8"** Date:  Line 7:  Date:   
Line 3: **8'10"** Date:  Line 8:  Date:   
Line 4: **10'1"** Date:  Line 9:  Date:   
Line 5:  Date:  Line 10:  Date:   
ETM1:  CC1:  ETM2:  CC2:  OR:  AC:  WM:   
Notes:

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

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PERMIT#: D055158 STATUS: A APP. DATE: 05/13/2016 BLDG. PERMIT#: 0163626  
PIN: 0699 85 0897 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:   
TOWNSHIP: 15 PANTHER BRANCH JURISDICTION: WC ZONING: R40W SW DEVICE: N S#:   
APPLICANT: WILLIAMS & WILLIAMS (919) 291 - 8198  
1104 ARMSLEIGH CT RALEIGH, NC 27603  
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE: DESIGN FEE REQ?: PAID?:   
LTAR: 0.30 0.30 BEDROOMS: 3 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y  
SITE: ADDRESS: 1124 ARMSLEIGH CT  
SUBDIVISION: WHITECROFT LOT: 20 ACRES: 0.53 EASEMENT: N LOC: SYS:  
DIRECTION: 401 SOUTH L 1010 L OLD STAGE S/D ON L

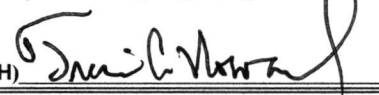
IMPROVEMENT PERMIT

[ ] 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: 1000 gal. PUMP Tank: \_\_\_\_ gal. GREASE TRAP: \_\_\_\_ gal. SQ FT: 900 STONE DEPTH: \_\_\_\_ in. MAX DEPTH LINE: 21 in.  
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: II A PUMP: N P/M: N LP: TD:  
DAILY FLOW: 360 gal/day WATER: COMMUNITY PRETREATMENT: NA FILL: DAF: DEEP: REDUCE35%:

COMMENTS:

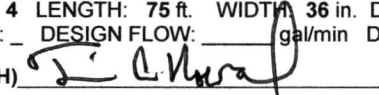
IP ISSUED? Y DATE: 06/03/2016 BY: (TAH)  PHONE#: (919)-369-5974

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

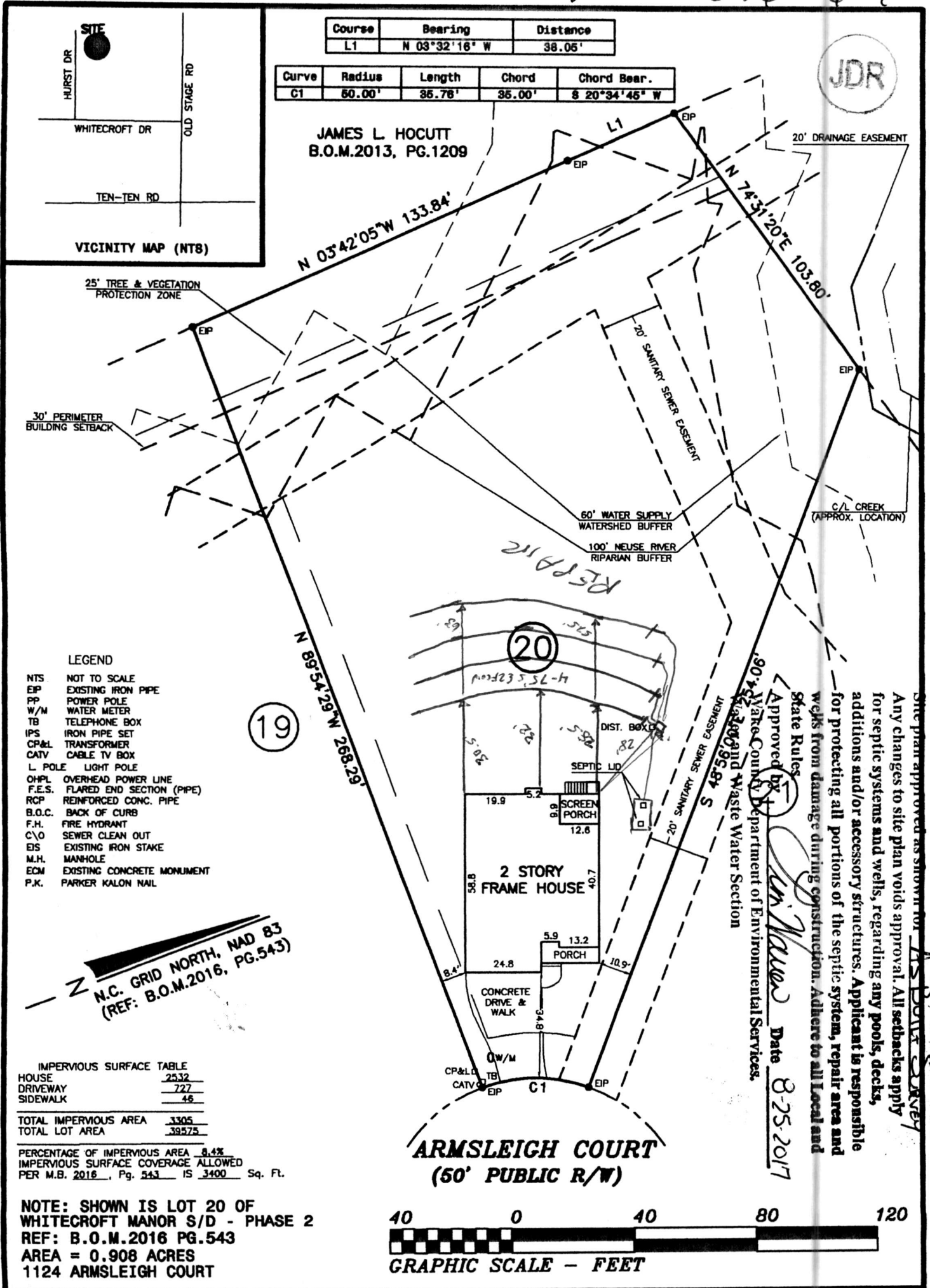
Contractors shall install system on contours, see attached site plan for wastewater system design and well location. No underground utilities, water lines or sprinkler systems may be located in the original system or repair areas. A septic tank filter with a riser for access is required. The wastewater 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: SYSTEM DESIGNED AS AN ACCEPTED STATUS SYSTEM WITH A 25% REDUCTION TAKEN IN DRAINLINE LENGTH. THERE WILL BE A 1000 GALLON SEPTIC TANK THAT WILL GRAVITY FEED 4-75'X 3' INNOVATIVE DRAINLINES. THE MAXIMUM TRENCH DEPTH IS 21". THE REPAIR IS A PRESSURE MANIFOLD LOCATED BELOW. THERE SHALL BE NO GRADING OR FILLING OF SOIL MATERIAL WITHIN THE INITIAL OR REPAIR SEPTIC AREAS. PLEASE CALL WITH QUESTIONS, CHANGES, OR CONCERNS PRIOR TO INSTALLATION. TAH

TANK SIZE: 1000 gal. PUMP TANK: \_\_\_\_ gal. GREASE TRAP: \_\_\_\_ gal. SQ FT: 900 STONE DEPTH: \_\_\_\_ in. MAX DEPTH LINE: 21 in.  
MAINT: N OPER: N L/O: Y TRENCH#: 4 LENGTH: 75 ft. WIDTH: 36 in. DESIGNER: \_\_\_\_  
# SUBFIELDS: \_\_\_\_ DESIGN HEAD PRESSURE: \_\_\_\_ DESIGN FLOW: \_\_\_\_ gal/min DOSE VOLUME: \_\_\_\_ gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 06/03/2016 BY: (TAH)  PHONE#: (919)-369-5974

As built #0163626



| Course | Bearing       | Distance |
|--------|---------------|----------|
| L1     | N 03°32'16" W | 38.05'   |

| Curve | Radius | Length | Chord  | Chord Bear.   |
|-------|--------|--------|--------|---------------|
| C1    | 50.00' | 35.78' | 35.00' | S 20°34'45" W |

JAMES L. HOCUTT  
B.O.M.2013, PG.1209



VICINITY MAP (NTS)

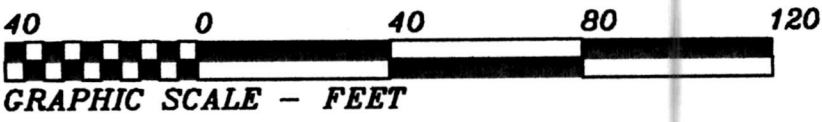
- LEGEND
- NTS NOT TO SCALE
  - EIP EXISTING IRON PIPE
  - PP POWER POLE
  - W/M WATER METER
  - TB TELEPHONE BOX
  - IPS IRON PIPE SET
  - CP&L TRANSFORMER
  - CATV CABLE TV BOX
  - L POLE LIGHT POLE
  - OHPL OVERHEAD POWER LINE
  - F.E.S. FLARED END SECTION (PIPE)
  - RCP REINFORCED CONC. PIPE
  - B.O.C. BACK OF CURB
  - F.H. FIRE HYDRANT
  - C/O SEWER CLEAN OUT
  - EIS EXISTING IRON STAKE
  - M.H. MANHOLE
  - ECM EXISTING CONCRETE MONUMENT
  - P.K. PARKER KALON NAIL

N.C. GRID NORTH, NAD 83  
(REF: B.O.M.2016, PG.543)

| IMPERVIOUS SURFACE TABLE |       |
|--------------------------|-------|
| HOUSE                    | 2532  |
| DRIVEWAY                 | 727   |
| SIDEWALK                 | 46    |
| TOTAL IMPERVIOUS AREA    | 3305  |
| TOTAL LOT AREA           | 39575 |

PERCENTAGE OF IMPERVIOUS AREA 8.4%  
IMPERVIOUS SURFACE COVERAGE ALLOWED  
PER M.B. 2016, Pg. 543 IS 3400 Sq. Ft.

NOTE: SHOWN IS LOT 20 OF  
WHITECROFT MANOR S/D - PHASE 2  
REF: B.O.M.2016 PG.543  
AREA = 0.908 ACRES  
1124 ARMSLEIGH COURT

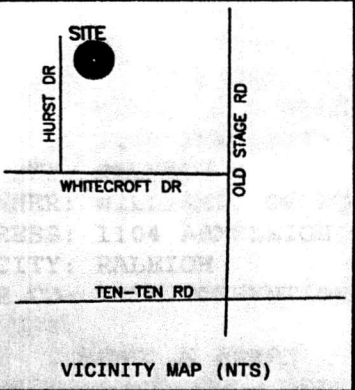


THIS IS TO CERTIFY THAT THIS MAP WAS  
PREPARED FROM AN ACTUAL SURVEY OF THE  
PREMISES, MADE UNDER MY SUPERVISION, AND  
THAT THERE ARE NOT ANY ENCROACHMENTS,  
EXCEPT AS NOTED TO THE BEST OF MY KNOWLEDGE.  
THAT THE RATIO OF PRECISION AS CALCULATED BY  
LATITUDES AND DEPARTURES IS 1:10,000.  
THIS MAP WAS PREPARED FOR TITLE COMPANY USE  
AND IS NOT INTENDED FOR RECORDATION OR  
CONVEYANCES WITHOUT WRITTEN AUTHORIZATION  
OF THE SURVEYOR AND OTHER APPROPRIATE OFFICIALS.  
PROFESSIONAL LAND SURVEYOR  
L-3247



SURVEY FOR:  
**WILLIAMS & WILLIAMS**  
  
PANTHER BRANCH TWSP., WAKE CO., N.C.  
SCALE 1" = 40' AUGUST 23, 2017  
  
MAULDIN - WATKINS SURVEYING, P.A.  
P.O. BOX 444 / 1301 W. BROAD ST.  
FUQUAY VARINA, NORTH CAROLINA 27526  
(919) 552-9326  
3071-20

CA



| Course | Bearing       | Distance |
|--------|---------------|----------|
| L1     | N 03°32'16" W | 38.05'   |

| Curve | Radius | Length | Chord  | Chord Bear.   |
|-------|--------|--------|--------|---------------|
| C1    | 50.00' | 35.76' | 35.00' | S 20°34'45" W |

25' TREE & VEGETATION PROTECTION ZONE

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

*Signature of Owner or Authorized Agent*

- LEGEND**
- NTS NOT TO SCALE
  - EIP EXISTING IRON PIPE
  - PP POWER POLE
  - W/M WATER METER
  - TB TELEPHONE BOX
  - IPS IRON PIPE SET
  - CP&L TRANSFORMER
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  - EIS EXISTING IRON STAKE
  - M.H. MANHOLE
  - ECM EXISTING CONCRETE MONUMENT
  - P.K. PARKER KALON NAIL

| IMPERVIOUS SURFACE TABLE |      |
|--------------------------|------|
| HOUSE                    | 2508 |
| DRIVEWAY                 | 638  |
| SIDEWALK                 | 54   |

|                       |       |
|-----------------------|-------|
| TOTAL IMPERVIOUS AREA | 3200  |
| TOTAL LOT AREA        | 39575 |

PERCENTAGE OF IMPERVIOUS AREA 8.1%  
IMPERVIOUS SURFACE COVERAGE ALLOWED  
PER M.B. 2016, Pg. 543 IS 3400 Sq. Ft.

NOTE: SHOWN IS LOT 20 OF WHITECROFT MANOR S/D - PHASE 2  
REF: B.O.M.2016 PG.543

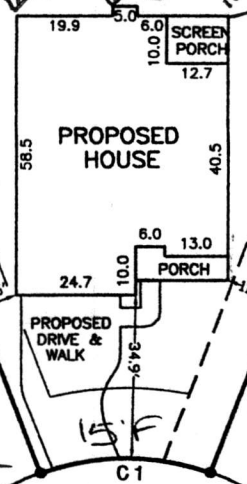
AREA = 0.908 ACRES  
1124 ARMSLEIGH COURT

N 03°42'05" W 133.84'

N 74°31'20" E 103.80'

N 85°45'26" W 268.29'

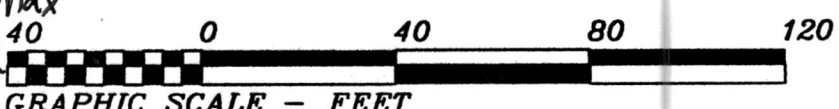
S 48°56'00" E 254.06'



Pin# 0699853973  
Permit# 0163624  
D055158

N.C. GRID NORTH, NAD 83  
(REF: B.O.M.2016, PG.543)

Repair  
11:18 PM



THIS IS TO CERTIFY THAT THIS MAP WAS PREPARED FROM AN ACTUAL SURVEY OF THE PREMISES, MADE UNDER MY SUPERVISION, AND THAT THERE ARE NOT ANY ENCROACHMENTS, EXCEPT AS NOTED TO THE BEST OF MY KNOWLEDGE. THAT THE RATIO OF PRECISION AS CALCULATED BY LATITUDES AND DEPARTURES IS 1:10,000. THIS MAP WAS PREPARED FOR TITLE COMPANY USE AND IS NOT INTENDED FOR RECORDATION OR CONVEYANCES WITHOUT WRITTEN AUTHORIZATION OF THE SURVEYOR AND OTHER APPROPRIATE OFFICIALS.

PROFESSIONAL LAND SURVEYOR  
L-3247

PRELIMINARY PLAT  
NOT FOR RECORDATION

PRELIMINARY PLOT PLAN FOR:  
**WILLIAMS & WILLIAMS**

PANTHER BRANCH TWP., WAKE CO., N.C.  
SCALE 1" = 40' MAY 6, 2016

MAULDIN - WATKINS SURVEYING, P.A.  
P.O. BOX 444 / 1301 W. BROAD ST.  
FUQUAY VARINA, NORTH CAROLINA 27526  
(919) 552-9326

3071-20

# Tap Chart

## TAP CHART a

repair taps whitecroft manor 20

| Bench Mark         |       | is = 100.00 set at |                  |        |                |                |               |             |           |
|--------------------|-------|--------------------|------------------|--------|----------------|----------------|---------------|-------------|-----------|
| Pump tank elev.    |       | 6.50               | Pump elev.       | 1.50   | Manifold elev. |                |               | 101.00      |           |
| line               | color | rod read           | Elevation        | length | hole size      | flow/tap       | gal/day       | trench area | LINE LTAR |
| 1                  |       |                    | 100.00           | 120    | 3/4in SCH 40   | 12.5           | 140.14        | 360         | 0.389     |
| 2                  |       |                    | 100.00           | 120    | 3/4in SCH 40   | 12.5           | 140.14        | 360         | 0.389     |
| 3                  |       |                    | 100.00           | 65     | 1/2in SCH 40   | 7.11           | 79.71         | 195         | 0.409     |
| 4                  |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 5                  |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 6                  |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 7                  |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 8                  |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 9                  |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 10                 |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 11                 |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
| 12                 |       |                    | 100.00           |        | NA             |                | 0.00          | 0           | #DIV/0!   |
|                    |       | total              | feet =           | 305    | gal/min =      | 32.11          | <u>LTAR =</u> |             | 0.300     |
| % of Dose Vol.     |       | 70                 | <u>Des. Flow</u> |        | 360            | (ltar + 5%)    |               | 0.32        |           |
| Dose Volume        |       | 138.78             | Pump Run=        |        | 11.21          | (ltar W/ INOV) |               | 0.40        |           |
| Dose Pump Time     |       | 4.32               | Tank Gal/IN      |        |                | (ltar + 5%)    |               | 0.420       |           |
| Drawdown in Inches |       | #DIV/0!            | Elevation Head   |        | 99.50          |                |               |             |           |