

Environmental Services - Water Quality  
Onsite Wastewater Scan Data Entry Form

PERMIT #: **WA14054**

PIN #: **1729209744**

OP DATE: **05/23/2016**

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

- |                                     |                                     |                                     |                  |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| <input type="checkbox"/>            | <input type="checkbox"/>            |                                     | 750              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 900              |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | 1,000            |
| <input type="checkbox"/>            | <input checked="" 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.)

**01275**

Individual

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

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

SUBDIVISION RIVER OAKS

AS RECORDED IN BOOK OF MAPS 1993 PAGE 1386

OF THE WAKE COUNTY REGISTER OF DEEDS.

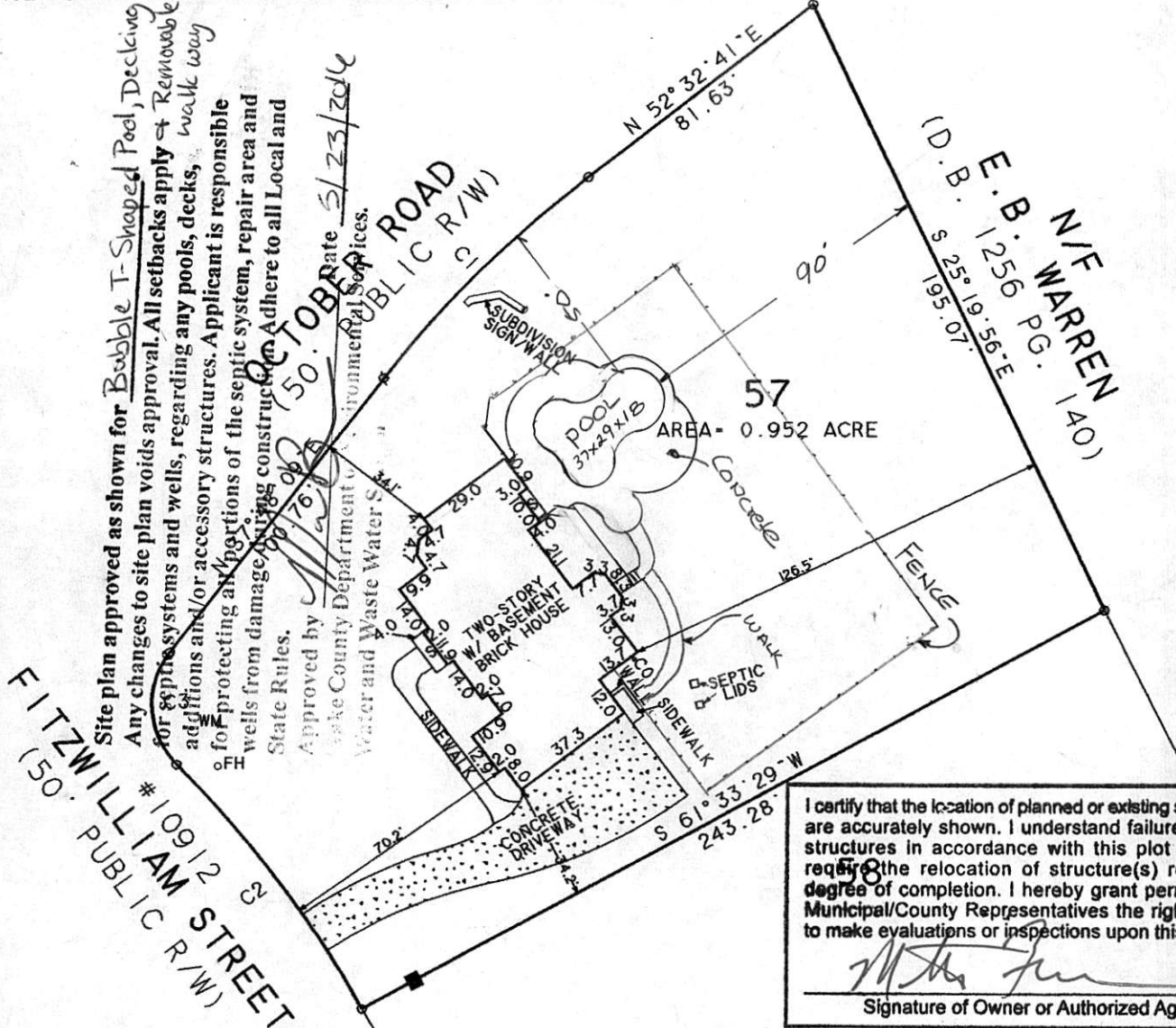
This map is drawn from an actual survey made under my supervision based on information found in the above referenced record document(s), and is correct to the best of my knowledge. The unadjusted ratio of precision is 1/10,000+. This map does not meet the standards for record plat as per GS47-30 and is not to be recorded or used in conveyance without written permission from the surveyor and appropriate town officials.

*Matthew D. Gillespie* Professional Land Surveyor

NOTES:

- 1.) Areas are by coordinate computation.
- 2.) Distances are horizontal ground distances
- 3.) North arrow is referenced to recorded document shown above unless otherwise noted
- 4.) Building / house (tied) are perpendicular to property lines unless otherwise noted
- 5.) Bearings and distances of title lines shown are from record plat(s) and/or deed(s).
- 6.) Field measurements are shown in parentheses where significant differences exist from record lot, or where record lot does not close mathematically.

NOTE: ONLY UTILITIES WITH VISIBLE EVIDENCE LOCATED. UNDERGROUND UTILITY LINES SHOWN ARE APPROXIMATE AND EXTENT IS ESTIMATED & MAY BE INCOMPLETE. EXCAVATION MAY BE REQUIRED TO VERIFY LOCATIONS. OTHER UNDERGROUND UTILITIES MAY EXIST. CALL ONE CALL CENTER AT 1-800-632-4949 BEFORE DIGGING.



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 degree of completion. I hereby grant permission to Municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

*Matthew D. Gillespie*  
Signature of Owner or Authorized Agent

| CURVE | DELTA ANGLE | RADIUS  | ARC    | TANGENT | CHORD  | CHORD BEARING   |
|-------|-------------|---------|--------|---------|--------|-----------------|
| C 1   | 14° 44' 31" | 325.00' | 83.62' | 42.04'  | 83.39' | N 45° 10' 15" E |
| C 2   | 15° 45' 01" | 325.00' | 89.34' | 44.95'  | 89.06' | N 36° 49' 57" W |
| C 3   | 82° 12' 04" | 25.01'  | 35.88' | 21.82'  | 32.88' | N 03° 18' 49" W |

SURVEY FOR:  
JEFFREY A. MAYONE &  
VIRGINIA L. MAYONE

DATE: APRIL 29, 2002  
NEUSE TOWNSHIP WAKE COUNTY, NORTH CAROLINA

- LEGEND
- EXISTING IRON PIPE
  - COMPUTED POINT
  - NEW IRON PIPE
  - ELECTRIC TRANSFORMER
  - LOCATION BY SCALE
  - MASONRY NAIL
  - X-X- FENCE
  - - - CREEK (APPROX. LOCATION)
  - E-E- OVERHEAD ELECTRIC LINE
  - D DECK
  - P PORCH
  - S STOOP
  - SH SHED
  - W WINDOW
  - LP LIGHT POLE
  - PP POWER POLE
  - CP CARPORT
  - G GARAGE
  - MH MANHOLE
  - C CHIMNEY

SCALE 1" = 50'

0" 0.5" 1.0" 1.5" 2.0"



NIALL GILLESPIE, P.L.S.  
LAND SURVEYOR

4008 GREEN LEVEL ROAD WEST  
APEX, NORTH CAROLINA 27502  
PHONE & FAX NO. (919) 387-0208



RECORDED IN BOOK OF MAPS 1993 PAGE 1386

THE WAKE COUNTY REGISTER OF DEEDS.

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*Professional Land Surveyor*

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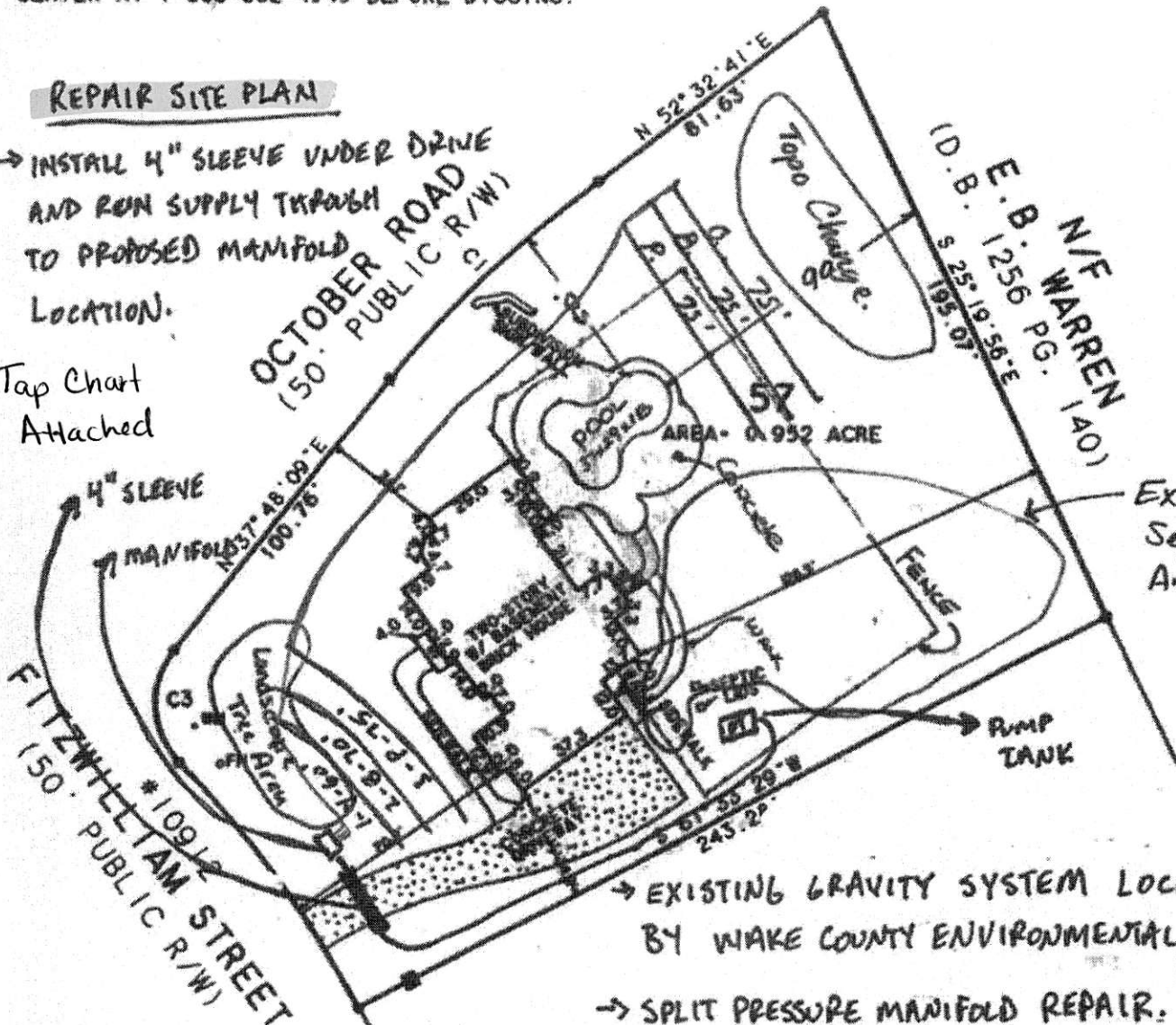
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REPAIR SITE PLAN

→ INSTALL 4" SLEEVE UNDER DRIVE AND RUN SUPPLY THROUGH TO PROPOSED MANIFOLD LOCATION.

→ Tap Chart Attached



→ EXISTING GRAVITY SYSTEM LOCATED BY WAKE COUNTY ENVIRONMENTAL SERVICES

→ SPLIT PRESSURE MANIFOLD REPAIR.

| CURVE | DELTA ANGLE | RADIUS  | ARC    | TANGENT | CHORD  | CHORD BEARING   |
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SURVEY FOR:  
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1" = 50'

LEGEND

- EXISTING IRON PIPE
- COMPUTED POINT
- NEW IRON PIPE
- ⊕ ELECTRIC TRANSFORMER
- LB LOCATION BY SCALE
- PK MASONRY NAIL
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- W WINDOW
- LP LIGHT POLE
- PP POWER POLE
- CP CARPORT
- G GARAGE
- MN MANHOLE
- C CHIMNEY

DATE: APRIL 29, 2002

# 10912 FITZWILLIAM STREET

Project No.12896.S1

| LINE #   | FLAG COLOR | BS (ft) | HI (ft) | FS (ft) | ELEVATION (ft) | FLAGGED LINE LENGTH (ft) | DESIGN LINE LENGTH (ft) |
|----------|------------|---------|---------|---------|----------------|--------------------------|-------------------------|
| TBM      |            | 5.4     |         |         | 100.00         |                          |                         |
| INSTR. 1 |            |         | 105.40  |         |                |                          |                         |
| 1        | YELLOW     |         |         | 2.70    | 102.70         | 60                       | 60                      |
| 2        | BLUE       |         |         | 3.50    | 101.90         | 70                       | 70                      |
| 3        | PINK       |         |         | 4.30    | 101.10         | 75                       | 75                      |
| TBM      |            | 3.4     |         |         | 100.00         |                          |                         |
|          |            |         | 100.6   |         |                |                          |                         |
| 8        | PINK       |         |         | 2.80    | 97.80          | 75                       | 75                      |
| 9        | BLUE       |         |         | 3.50    | 97.10          | 75                       | 75                      |
| 10       | ORANGE     |         |         | 4.10    | 96.50          | 75                       | 75                      |
|          |            |         |         | Total   |                | 430                      | 430                     |

| Repair | LINE LENGTH (ft) | LTAR GPD/FT <sup>2</sup> | SYSTEM TYPE | SOIL LTAR GPD/FT <sup>2</sup> | INNOVATIVE SYSTEM | DISTRIBUTION PRESSURE MANIFOLD | DESIGN FLOW (GPD) |
|--------|------------------|--------------------------|-------------|-------------------------------|-------------------|--------------------------------|-------------------|
|        | 430              | 0.30                     | INNOV.      | 0.30                          | EZ-Flow           |                                | 480               |

- Notes:**
- \*\*TBM1 @ ground at sidewalk and TBM2 @ ground at flagged tree.
  - \*\*TBM is assumed to be 100.00'.
  - \*\*All measures in feet.
  - \*\*Nitrification lines are demonstrated on contour via colored pin flags.
  - \*\*BS, FS indicate rod readings.

**10912 FITZWILLIAM STREET**  
**Project No.12896.S1**  
**REPAIR TAP CHART**

| Line # | Color  | Field Elev. (ft) | Length (ft) | Hole Size (in) | Flow/Tap (gpm) | gpd   | Trench Area (sq ft) | Line LTAR (gpd/sq ft) |
|--------|--------|------------------|-------------|----------------|----------------|-------|---------------------|-----------------------|
| 1      | YELLOW | 102.70           | 60          | 1/2" SCH. 80   | 5.48           | 64.11 | 180                 | 0.356                 |
| 2      | BLUE   | 101.90           | 70          | 1/2" SCH. 40   | 7.11           | 83.18 | 210                 | 0.396                 |
| 3      | PINK   | 101.10           | 75          | 1/2" SCH. 40   | 7.11           | 83.18 | 225                 | 0.370                 |
| 8      | PINK   | 97.80            | 75          | 1/2" SCH. 40   | 7.11           | 83.18 | 225                 | 0.370                 |
| 9      | BLUE   | 97.10            | 75          | 1/2" SCH. 40   | 7.11           | 83.18 | 225                 | 0.370                 |
| 10     | ORANGE | 96.50            | 75          | 1/2" SCH. 40   | 7.11           | 83.18 | 225                 | 0.370                 |

total feet = 430 gal/min = 41.03

|                          |       |           |
|--------------------------|-------|-----------|
| Des. Flow                | 480   | gpd       |
| Pump Run=                | 11.70 | min       |
| soil LTAR                | 0.30  | gpd/sq ft |
| INNOV. Product Reduction | 25%   |           |
| LTAR with INNOV.         | 0.4   | gpd/sq ft |
| LTAR with INNOV. + 5%    | 0.42  | gpd/sq ft |

|                     |        |     |
|---------------------|--------|-----|
| 100% Dose Volume    | 279.83 | gal |
| Percent Dose Volume | 75%    |     |
| Total               | 209.87 | gal |

Pump Run Time 5.12 min