

## Supervisor/Administrative Professional Checklist

New Septic ☒ New Well ☐ Use Existing ☐ Alteration ☐ Modified Plot Plan ☐

### New Septic Fees Paid:

IP (\$250.00) Dws 8/25/14 Initials/Date

CA (\$200.00) Dws 9/23/14 Initials/Date

OP (\$200.00) Dws 9/23/14 Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: \$550.00 \_\_\_\_\_ Initials/Date

Use Existing Fee Paid: \$100.00 \_\_\_\_\_ Initials/Date

Alteration Fee Paid: \$300.00 (Total) \$200 (If use existing was paid) \_\_\_\_\_ Initials/Date

Modified Plot Plan Fee Paid: \$100.00 \_\_\_\_\_ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☒ Reviewed ☒ SAM 9/24/14

This site is served by septic and well. Verify each is complete before final hold is released. ☐

Septic file completed. ☐ \_\_\_\_\_ Well file completed. ☐ \_\_\_\_\_

Send permit for signature. ☒

Signature received. ☒ [Signature] 9/23/14

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ \_\_\_\_\_

# Groundwater & Wastewater Services Septic Project File & Data Review Worksheet

GWS File #: 9007B

WASPS App #: 7016

Primary ES assigned to project:

Jeremy Michelson

Secondary ES assigned to project:

Project Type: New System ☒ Alteration ☐ Repair ☐ Modified Plot Plan ☐

## I. File Review:

### Rule or Law Permit Application

|          |                                            |                                         |                                        |                              |
|----------|--------------------------------------------|-----------------------------------------|----------------------------------------|------------------------------|
| .1937(d) | Is the Application complete                | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| .1937(d) | Is there a Site plan/Plat with application | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| .1937(d) | Is the Facility shown?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | N/A <input type="checkbox"/> |
| .1937(d) | Are appurtenances shown                    | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | N/A <input type="checkbox"/> |

### Site Evaluation Information

|                                     |                                                                 |                                         |                             |                              |
|-------------------------------------|-----------------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|
| .1939 (a)(1)                        | Topography and Landscape Position Recorded?                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1940 (a-g)                         | Slope % Recorded?                                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(2)                        | Texture Class Recorded?                                         | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(2)                        | Structure type Recorded?                                        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(2)                        | Consistence Recorded?                                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(2)                        | Mineralogy Recorded?                                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(3)                        | Soil Wetness Condition Recorded?                                | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(4)                        | Soil Depth to Rock or Parent Material Recorded When Encountered | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(5)                        | Depth to Restrictive Horizons Recorded When Encountered?        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939 (a)(6)                        | Sufficient Available Space Recorded?                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937(m)                            | Are the Profile Locations Shown?                                | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939(a)                            | Are the S/PS Profiles in system & in repair area?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| & .1945(b)                          | Number of auger borings made: <u>6</u>                          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
|                                     | Were sufficient auger borings made?                             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1939(d),<br>.1955,<br>.1956, .1957 | LTAR <u>0.3 initial</u><br><u>• 225 Repair</u>                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

### Improvement Permit/Construction Authorization

|                         |                                                               |                                         |                             |                              |
|-------------------------|---------------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|
| .1937(g)<br>130A-336(a) | Proposed System Type stated-Initial                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1945(b)<br>130A-336    | Proposed System Type stated-Repair                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| (a)(3)                  | System location identifiable by setbacks - Initial            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937(g)                | System components shown - Initial                             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1945(b)                | Repair area shown                                             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937 (f)(g)            | Does System design match facility, flow & WW characteristics? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937 (f)(g)            | Is System design consistent with soil/site conditions?        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937 (f)(g)            | Is the System located in the approved area?                   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 130A-336(a)             | Is the Design flow (gpd) indicated?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

|                |                                                         |                                         |                             |                              |
|----------------|---------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|
| 130A-336(a)    | Number of Bedrooms, employees, seats, etc. indicated?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937(g)       | Trench depth indicated?                                 | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937(g)       | Trench width indicated?                                 | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937(g)       | Trench length indicated?                                | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 130A-336(a)(1) | Proposed/existing well shown?                           | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 130A-336(a)(1) | Property line lengths shown?                            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 130A-336(a)    | Facility/appurtenance setbacks shown from fixed points? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

### Operation Permit

|          |                                                                                      |                                         |                             |                              |
|----------|--------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------|------------------------------|
| .1937(i) | System type as described in table V(a) of rule .1961                                 | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| .1937(i) | Conditions for system performance, operation, maintenance, monitoring and reporting. | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

### II. WASPS Review:

|                                   |                                         |                             |                              |
|-----------------------------------|-----------------------------------------|-----------------------------|------------------------------|
| Construction authorization issued | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| Installation approval issued      | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| Operation permit issued           | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| Other related documentation       | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

# Items requiring correction/modification: \_\_\_\_\_

Comments:

IA issued date: ~~7/24/15~~ 7/29/15

OP issued date: 7/30/15

Review performed by: SAM

Date performed: 8/3/15



9007B

MECKLENBURG COUNTY  
HEALTH DEPARTMENT

App # 7016

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION  
FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL1. SEPTIC / TYPE APPLICATION: ☐ N/A ☒ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN2. WELL / TYPE APPLICATION: ☐ N/A ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

## 3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 013-122-27

STREET ADDRESS: 15027 Beatties Ford Rd

CITY: Huntersville NC

STATE: NC ZIP: 28078

SUBDIVISION NAME:

LOT #: 3 LOT SIZE (acres): 4.52

TOWNSHIP:

☐ MECKLENBURG ☐ CORNELIUS ☒ HUNTERSVILLE☐ DAVIDSON ☐ CHARLOTTE ☐ PINEVILLE☐ MATTHEWS ☐ MINT HILL

## 4. BUILDING INFORMATION:

BUILDING TYPE:

☐ SINGLE MOBILE HOME ☐ MODULAR HOME☐ DOUBLE WIDE ☐ MULTIPLE FAMILY☒ HOUSE ☐ OTHER

HEATED SQUARE FOOTAGE: 2057

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 2

FOUNDATION TYPE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING☒ CRAWL SPACE ☐ BASEMENT, WITH NO PLUMBING5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☐ N/A

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:

6. WATER SUPPLY: ☐ MUNICIPAL ☒ PRIVATE WELL ☐ PUBLIC WELL ☐ SHARED WELL ☐ OTHER7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE (DRINKING WATER) ☐ OTHER

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE (1-MOST DESIRED 5-LEAST DESIRED):

☐ N/A ☐ ANY TYPE ☒ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER

8A. RANK:

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES ☐ YES ☒ NO GRADING/SOIL REMOVAL PERFORMED ☐ YES ☒ NOEXISTING WASTEWATER (SEPTIC) SYSTEMS ☒ YES ☐ NO JURISDICTIONAL WETLANDS ☐ YES ☒ NOWELLS, SPRINGS, OR WATER LINES ☒ YES ☐ NO APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY ☐ YES ☒ NOEASEMENTS OR RIGHT-OF-WAYS ☐ YES ☒ NO WASTEWATER OTHER THAN DOMESTIC SEWAGE ☐ YES ☒ NOCHEMICAL/PETROLEUM STORAGE TANKS ☐ YES ☒ NO KNOWN UNDERGROUND CONTAMINATION ☐ YES ☒ NOWASTE STORAGE ☐ YES ☒ NO GROUNDWATER USE RESTRICTIONS/VARIANCES ☐ YES ☒ NO10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 1993 ☐ UNKNOWN11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? ☒ N/A

## 12. PROPERTY OWNER:

NAME: RONALD GLENN PUTNAM JR.

ADDRESS: 15027 Beatties Ford Rd.

CITY: HUNTERSVILLE

STATE: NC. ZIP: 28078

WORK PHONE: (704) 304-2763

MOBILE PHONE:

FAX:

E-MAIL:

## 13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: WYR H. Youngblood

ADDRESS: 7041 GLASS RD

CITY: GILBERT RD HUNTERSVILLE

STATE: N.C. ZIP: 28078

WORK PHONE: (704) 586-4238

MOBILE PHONE:

FAX:

E-MAIL:

#### 14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

R.G.P. (Initial here for septic system applications)

#### 15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

\_\_\_\_\_ (Initial here for well applications)

#### 16. APPLICATION SIGNATURE SECTION:

**ONLY COMPLETE APPLICATIONS WILL BE PROCESSED.** A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

Ronald Allen Butler  
Property Owner's or Owner's Legal Representative Signature

8-21-14  
Date

#### OFFICE USE ONLY

☐ SURVEY PLAT TO SCALE SUBMITTED    ☐ SCALED SITE PLAN SUBMITTED    ☐ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: \$ 250

DATE FEE RECEIVED: 8/25/14

WELL APPLICATION FEE RECEIVED: \$ \_\_\_\_\_

DATE FEE RECEIVED: \_\_\_\_\_

APPLICATION PROCESSED BY: lws

GWS FILE NUMBER ASSIGNED: 9007B

APPLICATION ID NUMBER ASSIGNED: 7016

COMMENTS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

File #: \_\_\_\_\_

## PROPOSED PLOT PLAN

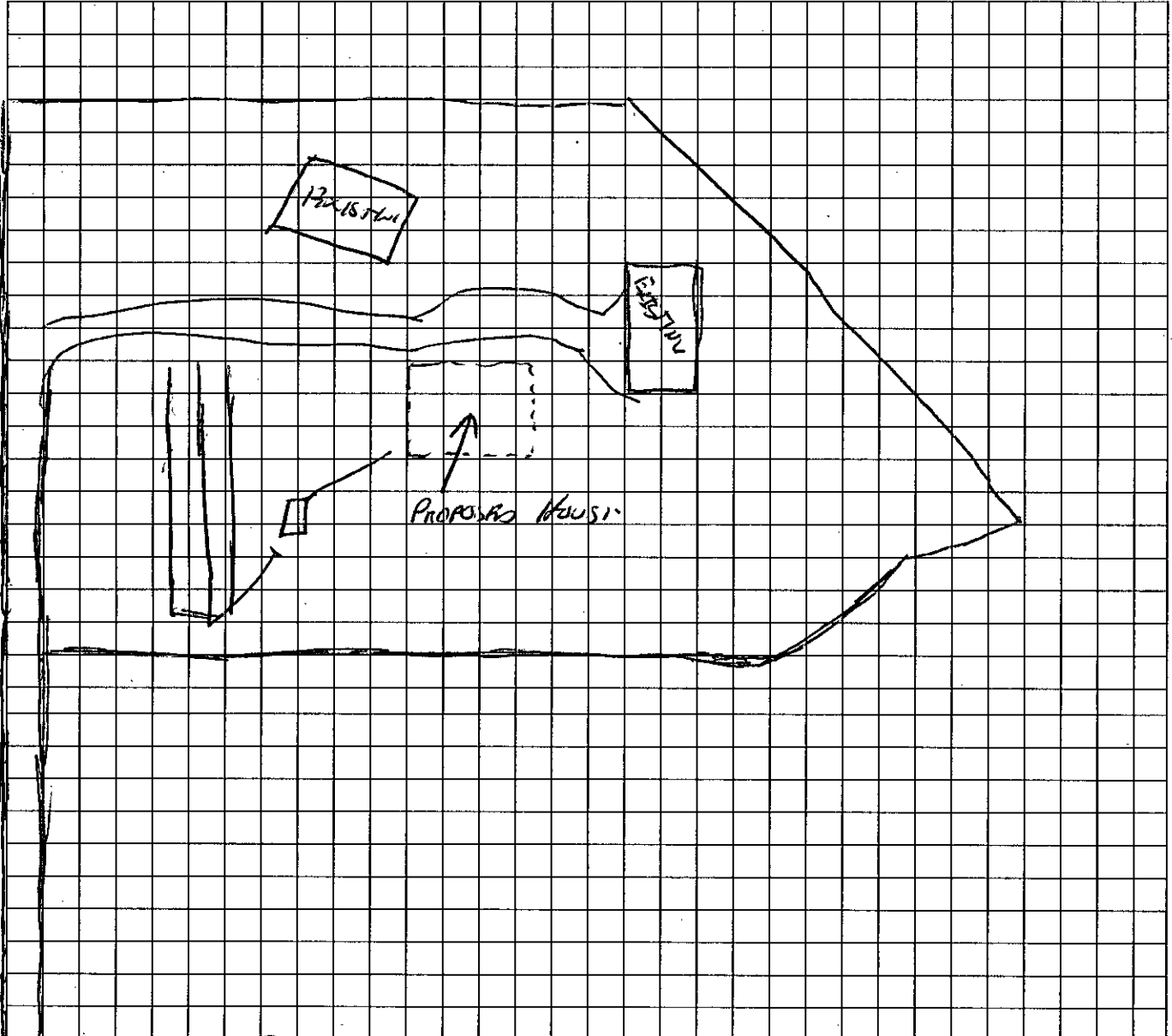
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15027 BEATTIS ROAD RD

Tax Parcel #: \_\_\_\_\_

Subdivision Name: \_\_\_\_\_

Lot #: \_\_\_\_\_



Ronald Allen Pate  
Property Owner's or Owner's Legal Representative Signature

8-21-14  
Date

# **SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM**

Property Owner: Ronald Glenn Putnam Jr.

Applicant: Wrye H Youngblood

Address: 15027 Beatties Ford Rd, Huntersville, NC 28078

Date Evaluated: 8/27/2014

Proposed Facility: 4 Bedroom House

Design Flow (.1949): 480 GPD

Property Size: 4.52 ac

Location of Site: 15027 Beatties Ford Rd, Huntersville, NC 28078

Property Recorded: 1995

Water Supply: ☐ Public ☒ Individual ☒ Well

☐ Spring ☐ Other

Evaluation Method: ☐ Auger Boring ☒ Pit

☐ Cut

Type of Wastewater: ☒ Sewage ☐ Industrial Process

☐ Mixed

| P<br>R<br>O<br>F<br>I<br>L<br>E<br># | 1940<br>Landscape<br>Position/<br>Slope% | Horizon<br>Depth<br>(IN.) | SOIL MORPHOLOGY<br>1941       |                                    | PROFILE FACTORS                   |                                |                        |                         | General<br>Comments                    | Profile<br>Class<br>& LTAR | Maximum<br>Trench<br>Bottom<br>Depth for<br>3' Wide<br>Conventional<br>Trench |
|--------------------------------------|------------------------------------------|---------------------------|-------------------------------|------------------------------------|-----------------------------------|--------------------------------|------------------------|-------------------------|----------------------------------------|----------------------------|-------------------------------------------------------------------------------|
|                                      |                                          |                           | 1941<br>Structure/<br>Texture | 1941<br>Consistence/<br>Mineralogy | 1942<br>Soil<br>Wetness/<br>Color | 1943<br>Soil<br>Depth<br>(IN.) | 1956<br>Sapro<br>Class | 1944<br>Restr.<br>Horiz |                                        |                            |                                                                               |
| Pit<br>#1                            | LS<br>8%                                 | 0 - 9                     | gr SCL                        | FR SEXP                            | 2 chroma<br><br>@ 35"             | 40                             | NA                     | NA                      | 3 and 4 chroma<br><br>mottles 21 - 40" | PS IV<br><br>0.25          | 20"                                                                           |
|                                      |                                          | 9 - 21                    | mmsbk C                       | FR SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 21 - 35                   | mmabk C                       | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 35 - 40                   | wmabk SC                      | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
| Pit<br>#2                            | LS<br>4%                                 | 0 - 8                     | gr SL                         | VFR SEXP                           | 2 chroma<br><br>@ 22"             | 36                             | NA                     | NA                      | 3 and 4 chroma<br><br>mottles 8 - 36"  | US<br><br>(Drip 0.1)       | NA                                                                            |
|                                      |                                          | 8 - 36                    | wmabk SC                      | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          |                           |                               |                                    |                                   |                                |                        |                         |                                        |                            |                                                                               |
| Pit<br>#3                            | LS<br>5%                                 | 0 - 9                     | gr SCL                        | FR SEXP                            | 2 chroma<br><br>@ 32"             | 38                             | NA                     | NA                      | 3 and 4 chroma<br><br>mottles 23 - 38" | PS IV<br><br>0.225         | 18"                                                                           |
|                                      |                                          | 9 - 23                    | mfsbk C                       | FR SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 23 - 38                   | wmabk SC                      | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
| Pit<br>#4                            | LS<br>5%                                 | 0 - 9                     | gr SCL                        | FR SEXP                            | 2 chroma<br><br>@ 29"             | 36                             | NA                     | NA                      | 3 and 4 chroma<br><br>mottles 18 - 36" | PS IV<br><br>0.225         | 15"<br><br>(Need Cover)                                                       |
|                                      |                                          | 9 - 18                    | mfsbk C                       | FR SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 18 - 36                   | wmabk SC                      | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
| Pit<br>#5                            | LS<br>6%                                 | 0 - 7                     | gr SCL                        | FR SEXP                            | >56"                              | 44                             | NA                     | NA                      | yellow brown<br><br>mottles 29 - 56"   | PS IV<br><br>0.3           | 36"                                                                           |
|                                      |                                          | 7 - 18                    | mfsbk SCL                     | FR SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 18 - 29                   | mfsbk C                       | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 29 - 44                   | mfsbk SC                      | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
| Pit<br>#6                            | LS<br>6%                                 | 0 - 9                     | gr SCL                        | FR SEXP                            | >56"                              | 44                             | NA                     | NA                      | yellow brown<br><br>mottles 35 - 56"   | PS IV<br><br>0.3           | 36"                                                                           |
|                                      |                                          | 9 - 35                    | mfsbk C                       | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          | 35 - 44                   | wfsbk SC                      | FI SEXP                            |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          |                           |                               |                                    |                                   |                                |                        |                         |                                        |                            |                                                                               |
|                                      |                                          |                           |                               |                                    |                                   |                                |                        |                         |                                        |                            |                                                                               |

| Description             | Initial System | Repair System      |
|-------------------------|----------------|--------------------|
| Available Space (.1945) | PS             | PS                 |
| System Type(s)          | IIlg           | IIlg               |
| Site LTAR (gpd/sq ft)   | 0.3            | 0.225 or Drip @ .1 |

Other Factors (.1946): NA

Soil Evaluation By: Jacob Presley, REHSI, LSS

Others Present: Ronald Putnam

Site Classification (.1948): Provisionally Suitable

Site Evaluation By: Jeremy Michelone

Others Present:

COMMENTS: Pits 5 and 6 re-evaluated on 7/16/2015 to a depth of 56" to allow for 36" trench bottom.

Sheet: 2 of 2  
File #: 9007B  
AppID: 7016

**Landscape Position**

R-Ridge  
SS-Shoulder Slope  
LS-Linear Slope  
FS-Foot Slope  
NS-Nose Slope  
HS-Head Slope  
CC-Concave Slope  
CV-Convex Slope  
T-Terrace  
FP-Flood Plain  
D-Drainage Way

**Group**

I

**Texture**

S-Sand  
LS-Loamy Sand

**.1955 LTAR**

1.2 - 0.8

**Structure**

sg-Single Grain  
mass-Massive  
cr-Crumb  
gr-Granular  
sbk-Subangular Blocky  
abk-Angular Blocky  
pl-Platy  
pr-Prismatic  
Sap-Saprolite

**Structure Prefixes**

w-weak  
m-moderate  
s-strong  
f-fine  
m-medium  
c-coarse

II

SL-Sandy Loam  
L-Loam

0.8 - 0.6

III

Si-Silt  
SiCL-Silty Clay  
Loam  
CL-Clay Loam  
SCL-Sandy  
Clay Loam  
SiL-Silt Loam

0.6 - 0.3

IV

SC-Sandy Clay  
SiC-Silty Clay  
C-Clay

0.4 - 0.1

**Consistence**

**Moist**

VFR-Very Friable  
FR-Friable  
FI-Firm  
VFI-Very Firm  
EFI-Extremely Firm

**Consistence**

**Wet**

SS-Slightly Sticky  
S-Sticky  
VS-Very Sticky  
NP-Non-Plastic  
SP-Slightly Plastic  
P-Plastic  
VP-Very Plastic

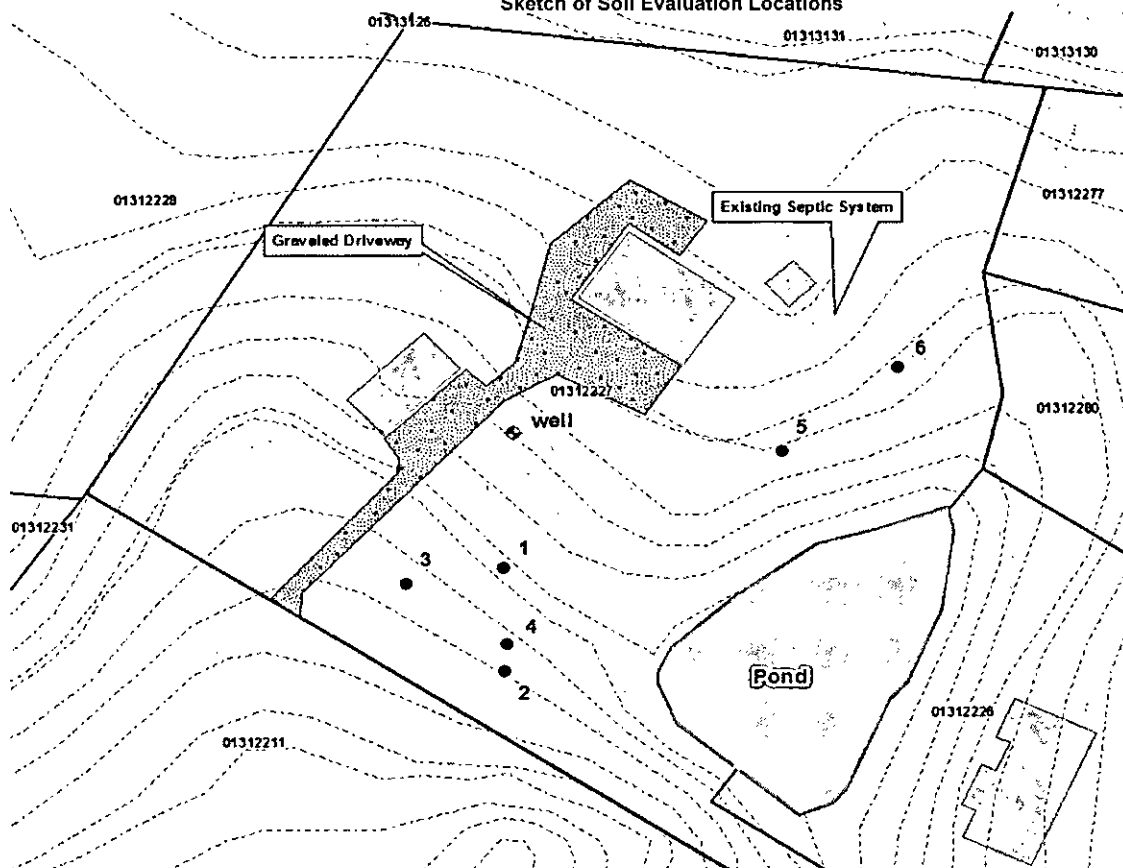
**Mineralogy**

SEXP-Slightly Expansive  
EXP-Expansive

**Classification**

US-Unsuitable  
PS-Provisionally Suitable  
S-Suitable  
NA-Not Applicable

**Sketch of Soil Evaluation Locations**



Mecklenburg County Groundwater & Wastewater Services  
700 N. Tryon St, Suite 211 Charlotte, NC 28202  
Phone: (704) 336-5103 Fax: (704) 336-6894



NC DENR  
Division of Environmental Health  
On-Site Wastewater Section

**IMPROVEMENT PERMIT for a RESIDENTIAL  
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM**

Permit #: **30007016**

GWS File #: **9007B**

Tax Parcel #: **013-122-27**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

**I. This Improvement Permit Shall: Expire in Five (5) Years**

**Expiration Date (If Applicable): 9/3/2019**

Type of Installation: Residential - New System

Lot Number: 0

Structure Type: HOUSE

Size (ft<sup>2</sup>): 2057

# Bedrooms: 4

# Occupants: 2

Building Foundation: Crawl Space

Water Supply: Private Well

**II. Initial System Type: Accepted**

**System Classification: IIlg**

Initial System Specifications:

|                               |                                  |                                          |                               |
|-------------------------------|----------------------------------|------------------------------------------|-------------------------------|
| Design Flow (gpd): 480        | LTAR (gpd/ft <sup>2</sup> ): 0.3 | Septic Tank Size (gal): 1500             | Pump Tank Size (gal): N/A     |
| Trench Width (ft): 3          | Trench Spacing (ft): 9           | Absorption Area (ft <sup>2</sup> ): 1200 | Total Trench Length (ft): 400 |
| Maximum Trench Depth (in): 30 | Depth of Media (in): 12          | Distribution Device:                     | Distribution Box              |

**III. Repair System Type: Accepted**

**System Classification: IIlg**

Repair System Specifications:

|                               |                                    |                                          |                               |
|-------------------------------|------------------------------------|------------------------------------------|-------------------------------|
| Design Flow (gpd): 480        | LTAR (gpd/ft <sup>2</sup> ): 0.225 | Septic Tank Size (gal): 1500             | Pump Tank Size (gal): N/A     |
| Trench Width (ft): 3          | Trench Spacing (ft): 9             | Absorption Area (ft <sup>2</sup> ): 1600 | Total Trench Length (ft): 533 |
| Maximum Trench Depth (in): 15 | Depth of Media (in): 12            | Distribution Device:                     | Distribution Box              |

**IV. Permit Conditions/Comments:**

*(Please See the Following Page for Permit Conditions.)*

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone

Owner/Legal Agent: Wayne H. Youngblood

Signature: [Signature]

Signature: [Signature] Print Name

Date Issued: 9/3/2014

Mecklenburg County Groundwater & Wastewater Services  
700 N. Tryon St, Suite 211 Charlotte, NC 28202  
Phone: (704) 336-5103 Fax: (704) 336-6894



NC DENR  
Division of Environmental Health  
On-Site Wastewater Section

**IMPROVEMENT PERMIT for a RESIDENTIAL  
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM**

Permit #: **30007016**

GWS File #: **9007B**

**IV. Permit Conditions/Comments:**

- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All components of the septic system must be located a minimum distance from the normal pool elevation or mean high water mark for the nearby body of water. See plot plan for minimum setback requirements.
- The invert of the sewer pipe exiting the structure should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Additional soil cover is required over the repair area drain field must be inspected and approved prior to issuance of an Operation Permit.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone

Owner/Legal Agent: Walter H. Yanagisawa

Signature: [Signature]

Signature: [Signature]

Print Name

Date Issued: 9/3/2014



OPERATION PERMIT for an  
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9007B Permit #: 7016 Tax Parcel #: 013-122-27  
Property Owner: RONALD GLENN PUTNAM SR.  
Job Location Address: 15027 BEATHIX FORD ROAD  
City: Huntersville State: NC Zip Code: 28078  
Operation Permit Issuance Date: 7/30/15 Contractor Name: RPH

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: \_\_\_\_\_ gallons  
Liquid Capacity of Septic Tank: 1500 gallons Manufacture DELLINGER Effluent Pump Model: \_\_\_\_\_

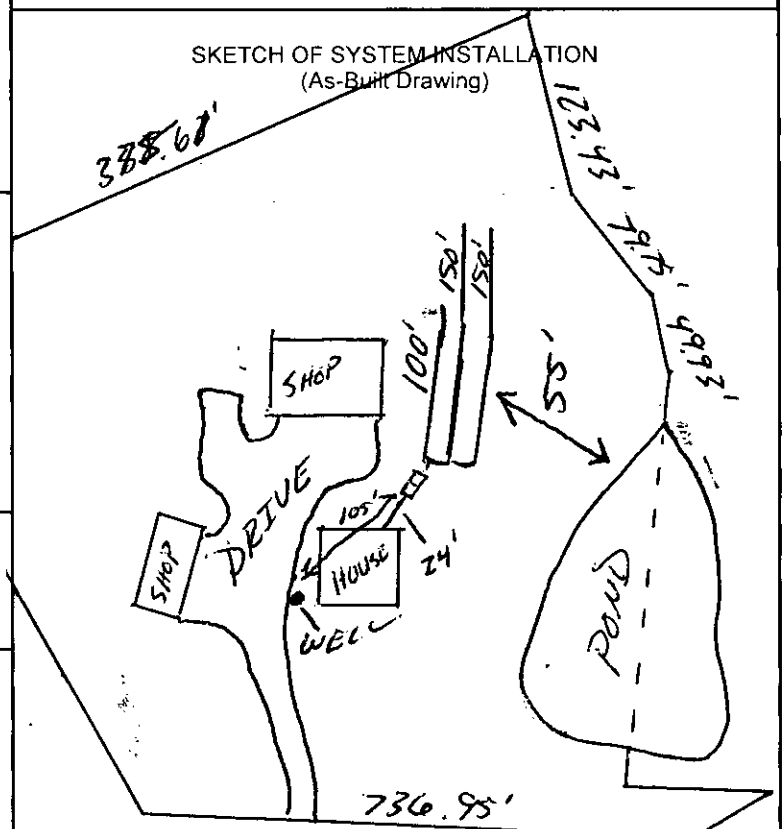
Drainfield Installation ☐ N/A  
Trench Depth: 30 inches  
Trench Width: 3 feet  
Line Spacing: 9 feet (O.C.)  
Total line length: 400 feet  
# of Lines: 3 @ 100', 150', 150' feet  
Depth of Media: 12 inches (Type) IQ4W  
Depth of Cover: 18 inches  
Distribution Device: END-CAP

Inspection Dates  
Tank(s) Inspected: 7/29/15  
Excavation Inspected: 7/30/15  
Pump & Controls Inspected: \_\_\_\_\_

Bed Installation (For Repair Installations ONLY.) ☒ N/A  
Bed Depth: \_\_\_\_\_ inches  
Bed Width: \_\_\_\_\_ feet  
Total line length: \_\_\_\_\_ feet  
# of Lines: \_\_\_\_\_ @ \_\_\_\_\_ feet  
Depth of Media: \_\_\_\_\_ inches (Type) \_\_\_\_\_  
Depth of Cover: \_\_\_\_\_ inches  
Distribution Device: \_\_\_\_\_

Water Supply Source  
☐ Municipal ☒ Private Well ☐ Community Well  
☐ Other \_\_\_\_\_

System Installation Setbacks  
Distance from Building Foundation: 24' feet  
Distance from Property Line: >10' feet  
Distance from Water Supply Source: 105' feet



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: IIRg, IQ4W, GRAVITY, M. NA

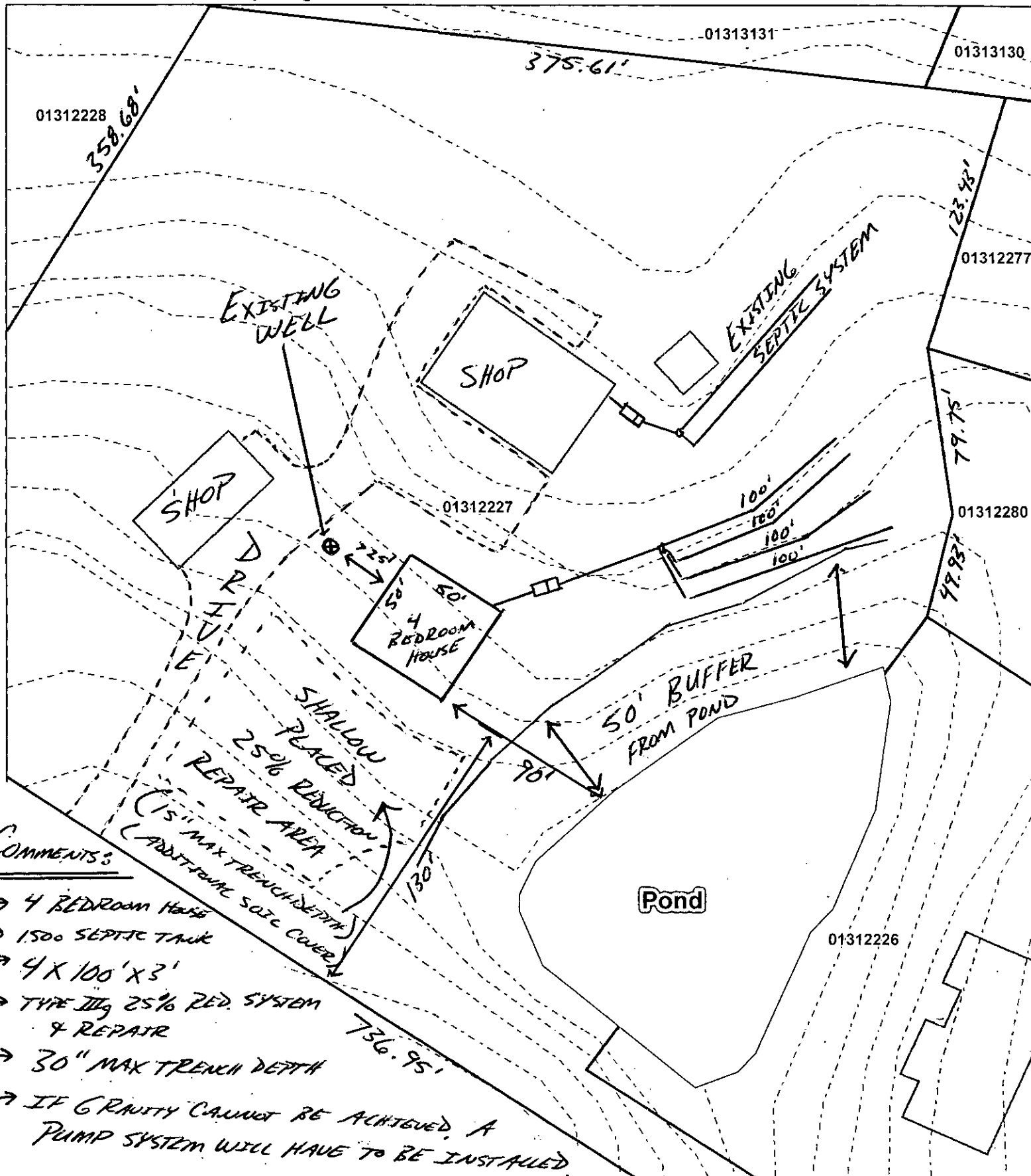
DENR Authorized Agent: Shermy McHenry, REHS Signature: Shermy McHenry, REHS

Parcel # 013-122-27

File # 9007B

AppID: 7016

15027 BEATTIE'S FORD ROAD



COMMENTS:

- 4 BEDROOM HOUSE
- 1500 SEPTIC TANK
- 4 X 100' X 3'
- TYPE III 25% RED. SYSTEM & REPAIR
- 30" MAX TRENCH DEPTH
- IF GRAVITY CANNOT BE ACHIEVED, A PUMP SYSTEM WILL HAVE TO BE INSTALLED

Map Created By:  
Map Created On:

*James M. R. Ellis*  
9/3/14

*Wm H. Z. [unclear]*

0 30 60 Feet





## Septic System Pre-Construction Meeting Checklist

File # 9007B App # 7016 Tax Parcel # 013-122-27  
Property Owner: RONALD GLENN PUTNAM JR.  
Job Location Address: 15027 BEATHES FORD ROAD  
City: HUNTERSVILLE State: NC Zip Code: 28078

1. Does System design match facility, flow & wastewater characteristics?

☒ YES ☐ NO

Comments: HOUSE IS 3 BEDROOMS WITH A FUTURE 4<sup>TH</sup> BEDROOM

2. Is there sufficient available space for the septic systems initial and repair areas?

☒ YES ☐ NO

Comments: \_\_\_\_\_  
\_\_\_\_\_

3. Can the septic system be installed per the permit conditions and drawing on file?

☒ YES ☐ NO

Comments: \_\_\_\_\_  
\_\_\_\_\_

\* If "NO" is checked for any of the above the existing permit may need to be revoked.

Permission is hereby given to ☒ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. System shall not be installed while soils are in wet condition.

[Signature]  
Authorized Agent

7/29/15  
Date

[Signature]  
Others Present

PEOPLE • PRIDE • PROGRESS • PARTNERSHIPS

Environmental Health Division • 700 N. Tryon Street, Suite 211 • Charlotte, NC 28202-2222 • (704) 336- 5103  
<http://groundwater.charmeck.org>

**MECKLENBURG COUNTY**  
**LAND USE AND ENVIRONMENTAL SERVICES**  
*Payment Receipt*

**Receipt Information**

Date: 09/23/14  
Receipt #: 90862  
Check / Auth #: CHARGE  
Received By: SADERLW

Amount: 200.00  
Tendered: 200.00  
Returned: 0.00

**Account Information**

Account #: X34348  
Contractor: YOUNGBLOOD HOMES INC  
Attn:  
Address: 7041 GILEAD RD  
Address:  
City/State/Zip: HUNTERSVILLE, NC 28078

| <u>Item</u> | <u>Description</u>                                  | <u>Permit#</u> | <u>Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-------------|-----------------------------------------------------|----------------|-----------------|-------------------|--------------------|
| 0703        | Septic Operational Permit<br>15027 BEATTIES FORD RD |                | 1               | 200.00            | 200.00             |

-----**Outstanding Balances**-----

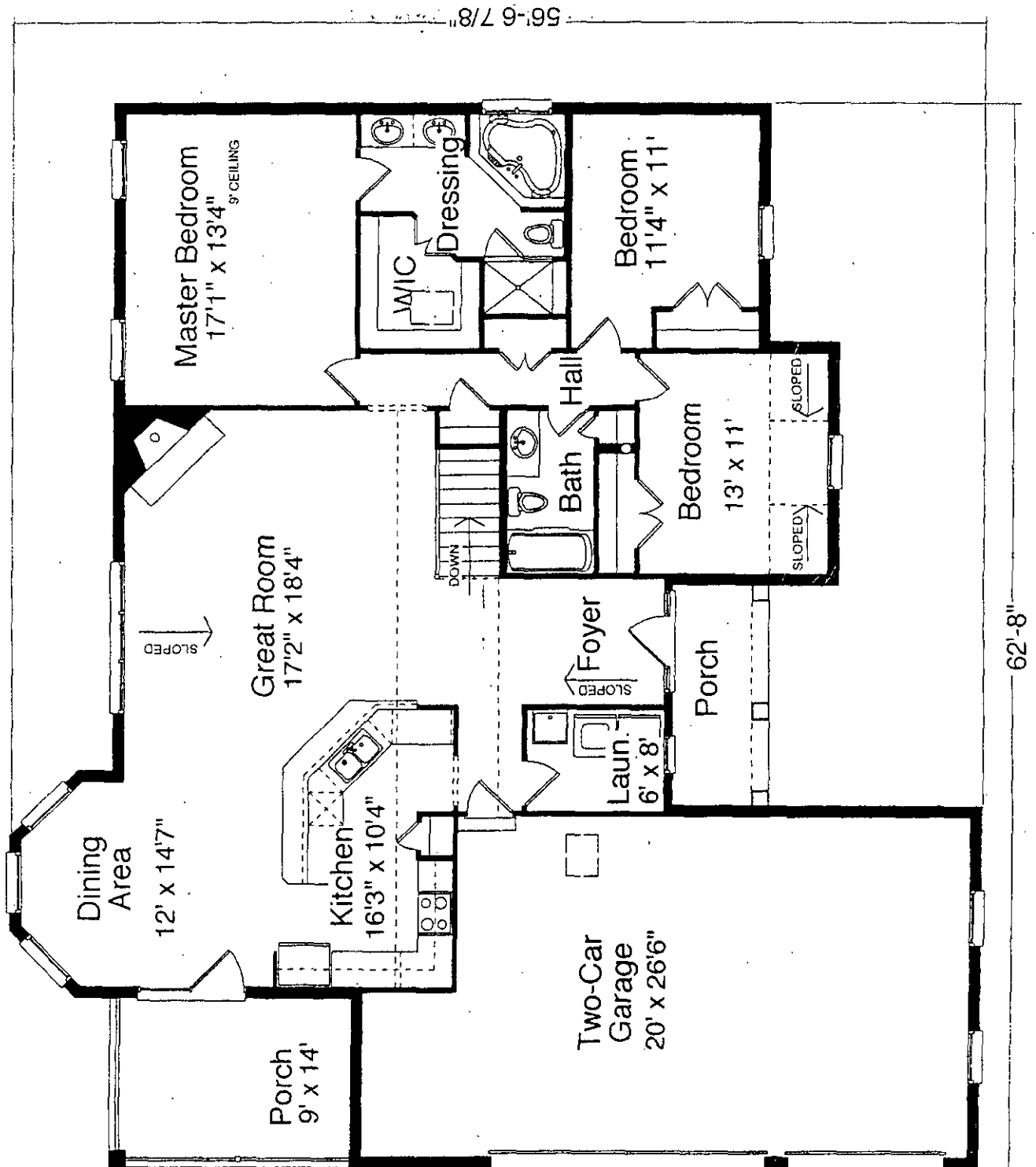
| <u>Month-To-Date</u> | <u>Prior Month</u> | <u>30 Days</u> | <u>60 Days</u> | <u>90 Days</u> | <u>Balance</u> |
|----------------------|--------------------|----------------|----------------|----------------|----------------|
| 600.00               | 351.41             | 4.09           | 8.86           |                |                |

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**FEE: 200.00****DATE: 9/25/2014****MECKLENBURG COUNTY  
GROUNDWATER & WASTEWATER SERVICES****FILE NUMBER:** 9007B**PERMIT NUMBER:** 30007016**PARCEL NUMBER:** 01312227**JOB LOCATION INFORMATION****ADDRESS:** 15027 BEATTIES FORD RD**CITY:** HUNTERSVILLE **STATE:** NC **ZIP:** 28078**ISSUED TO:** Ronald Glenn Putnam Jr**CONSTRUCTION AUTHORIZATION ISSUANCE DATE:** 9/3/2014**CONSTRUCTION AUTHORIZATION CONDITIONS**

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30007016, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.
2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.
3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.
4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

**\*CONSTRUCTION AUTHORIZATION EXPIRATION DATE:** 9/3/2019



15027 BRATTIS FORD RD  
HUNTSVILLE ALA 35892

File # 9007B

**MECKLENBURG COUNTY**  
**LAND USE AND ENVIRONMENTAL SERVICES**  
*Payment Receipt*

**Receipt Information**

Date: 09/23/14  
Receipt #: 90863  
Check / Auth #: CHARGE  
Received By: SADERLW

Amount: 200.00  
Tendered: 200.00  
Returned: 0.00

**Account Information**

Account #: X34348  
Contractor: YOUNGBLOOD HOMES INC  
Attn:  
Address: 7041 GILEAD RD  
Address:  
City/State/Zip: HUNTERSVILLE, NC 28078

| <u>Item</u> | <u>Description</u>                                          | <u>Permit#</u> | <u>Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-------------|-------------------------------------------------------------|----------------|-----------------|-------------------|--------------------|
| 0734        | Septic Construction Authorization<br>15027 BEATTIES FORD RD |                | 1               | 200.00            | 200.00             |

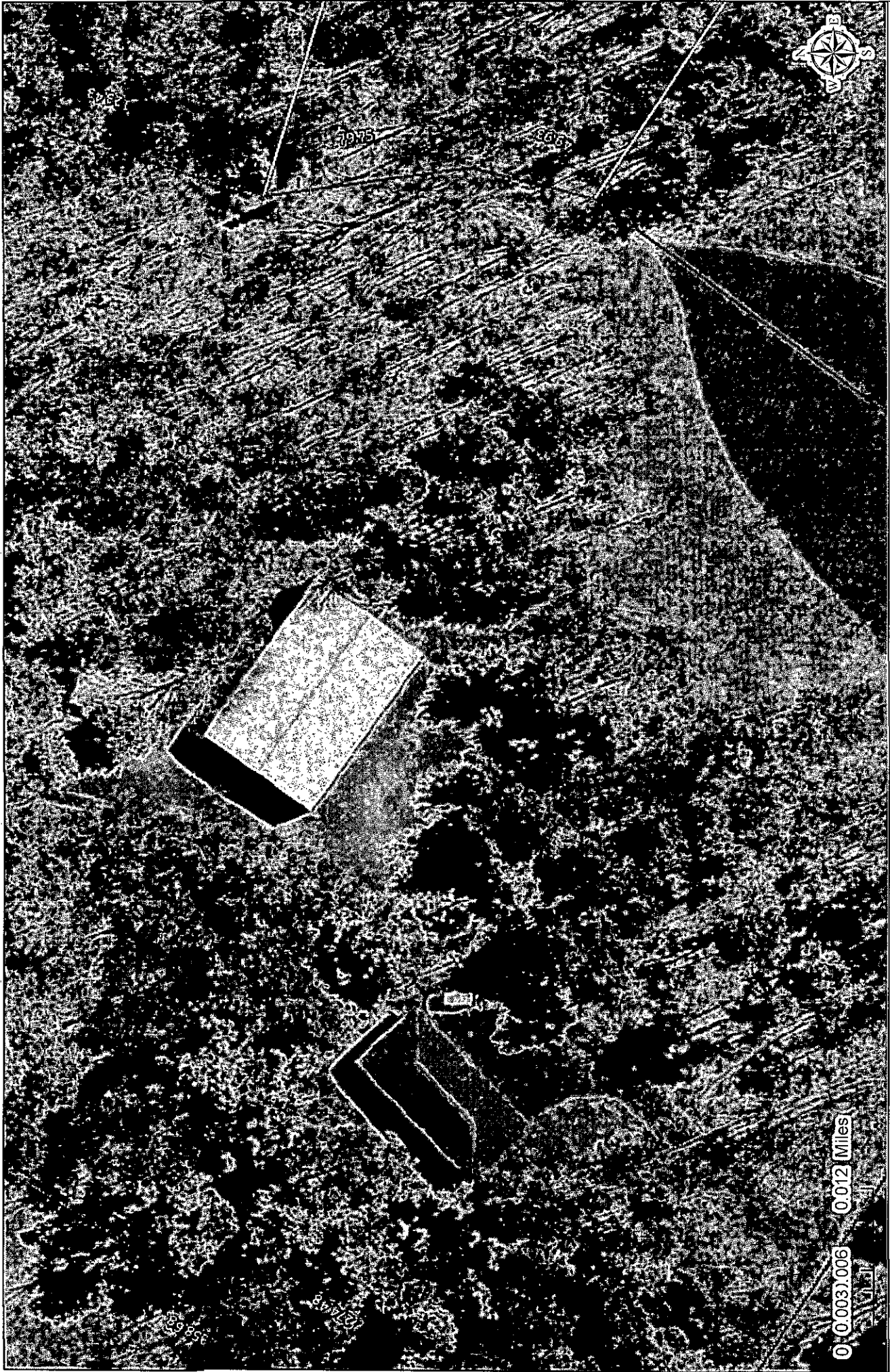
-----**Outstanding Balances**-----

| <u>Month-To-Date</u> | <u>Prior Month</u> | <u>30 Days</u> | <u>60 Days</u> | <u>90 Days</u> | <u>Balance</u> |
|----------------------|--------------------|----------------|----------------|----------------|----------------|
| 800.00               | 351.41             | 4.09           | 8.86           |                |                |

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# Polaris 3G Map – Mecklenburg County, North Carolina

Date Printed: 9/3/2014 9:26:31 AM



This map or report is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map or report are hereby notified that the abovementioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

# Polaris 3G Map – Mecklenburg County, North Carolina

Date Printed: 9/3/2014 9:27:10 AM



This map or report is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map or report are hereby notified that the aforementioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

**MECKLENBURG COUNTY**  
**LAND USE AND ENVIRONMENTAL SERVICES**  
**Payment Receipt**

**Receipt Information**

**Date:** 08/25/14  
**Receipt #:** 90560  
**Check / Auth #:** CHECK 4171  
**Received By:** SADERLW

**Amount:** 250.00  
**Tendered:** 250.00  
**Returned:** 0.00

**Account Information**

**Account #:** 200000  
**Contractor:** PUTNAM RONALD GLENN JR  
**Attn:**  
**Address:** 1527 BEATTIES FORD RD  
**Address:**  
**City/State/Zip:** HUNTERSVILLE, NC 28078

| <u>Item</u> | <u>Description</u>            | <u>Permit#</u> | <u>Quantity</u> | <u>Unit Price</u> | <u>Total Price</u> |
|-------------|-------------------------------|----------------|-----------------|-------------------|--------------------|
| 0701        | Improvment Permit App-Residen |                | 1               | 250.00            | 250.00             |

-----**Outstanding Balances**-----

| <u>Month-To-Date</u> | <u>Prior Month</u> | <u>30 Days</u> | <u>60 Days</u> | <u>90 Days</u> | <u>Balance</u> |
|----------------------|--------------------|----------------|----------------|----------------|----------------|
|----------------------|--------------------|----------------|----------------|----------------|----------------|