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

GWS File #: 7763B WASPS App #: 5723

Primary ES assigned to project: Jeremy Michalone

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 ☒ | No ☐ | N/A ☐ |
| .1937(d) | Is there a Site plan/Plat with application | Yes ☒ | No ☐ | N/A ☐ |
| .1937(d) | Is the Facility shown? | Yes ☒ | No ☐ | N/A ☐ |
| .1937(d) | Are appurtenances shown | Yes ☒ | No ☐ | N/A ☐ |
| | **Site Evaluation Information** | | | |
| .1939 (a)(1) | Topography and Landscape Position Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1940 (a-g) | Slope % Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(2) | Texture Class Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(2) | Structure type Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(2) | Consistence Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(2) | Mineralogy Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(3) | Soil Wetness Condition Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(4) | Soil Depth to Rock or Parent Material Recorded When Encountered | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(5) | Depth to Restrictive Horizons Recorded When Encountered? | Yes ☒ | No ☐ | N/A ☐ |
| .1939 (a)(6) | Sufficient Available Space Recorded? | Yes ☒ | No ☐ | N/A ☐ |
| .1937(m) | Are the Profile Locations Shown? | | | |
| .1939(a) | Are the S/PS Profiles in system & in repair area? | Yes ☒ | No ☐ | N/A ☐ |
| & .1945(b) | Number of auger borings made: 6 | | | |
| | Were sufficient auger borings made? | Yes ☒ | No ☐ | N/A ☐ |
| .1939(d), .1955, .1956, .1957 | LTAR 0.225 | Yes ☐ | No ☐ | N/A ☐ |
| | **Improvement Permit/Construction Authorization** | | | |
| .1937(g) | Proposed System Type stated-Initial | Yes ☒ | No ☐ | N/A ☐ |
| 130A-336(a) .1945(b) | Proposed System Type stated-Repair | Yes ☒ | No ☐ | N/A ☐ |
| 130A-336 (a)(3) | System location identifiable by setbacks - Initial | Yes ☒ | No ☐ | N/A ☐ |
| .1937(g) .1945(b) | System components shown – Initial | Yes ☒ | No ☐ | N/A ☐ |
| .1945(b) | Repair area shown | Yes ☒ | No ☐ | N/A ☐ |
| .1937 (f)(g) | Does System design match facility, flow & WWcharacteristics? | Yes ☒ | No ☐ | N/A ☐ |
| .1937 (f)(g) | Is System design consistent with soil/site conditions? | Yes ☒ | No ☐ | N/A ☐ |
| .1937 (f)(g) | Is the System located in the approved area? | Yes ☒ | No ☐ | N/A ☐ |
| 130A-336(a) | Is the Design flow (gpd) indicated? | Yes ☒ | No ☐ | N/A ☐ |

# Supervisor/Administrative Professional Checklist

**New Septic** ☑ **New Well** ☑ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

**New Septic Fees Paid:**

IP ($250.00) JAM 8-22-2012 Initials/Date

CA ($200.00) _____ Initials/Date

OP ($200.00) _____ 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 ☐ ____

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. ☐ _____

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

Certified operator contract is on file. ☐ _____

| | | | | |
|---|---|---|---|---|
| 130A-336(a) | Number of Bedrooms, employees, seats, etc. indicated? | Yes ☒ | No ☐ | N/A ☐ |
| .1937(g) | Trench depth indicated? | Yes ☒ | No ☐ | N/A ☐ |
| .1937(g) | Trench width indicated? | Yes ☒ | No ☐ | N/A ☐ |
| .1937(g) | Trench length indicated? | Yes ☒ | No ☐ | N/A ☐ |
| 130A-336(a)(1) | Proposed/existing well shown? | Yes ☒ | No ☐ | N/A ☐ |
| 130A-336(a)(1) | Property line lengths shown? | Yes ☒ | No ☐ | N/A ☐ |
| 130A-336(a) | Facility/appurtenance setbacks shown from fixed points? | Yes ☒ | No ☐ | N/A ☐ |
| | **Operation Permit** | | | |
| .1937(i) | System type as described in table V(a) of rule .1961 | Yes ☐ | No ☐ | N/A ☐ |
| .1937(i) | Conditions for system performance, operation, maintenance, monitoring and reporting. | Yes ☐ | No ☐ | N/A ☐ |

**II. WASPS Review:**

| | | | |
|---|---|---|---|
| Construction authorization issued | Yes ☐ | No ☐ | N/A ☐ |
| Installation approval issued | Yes ☐ | No ☐ | N/A ☐ |
| Operation permit issued | Yes ☐ | No ☐ | N/A ☐ |
| Other related documentation | Yes ☐ | No ☐ | N/A ☐ |

# Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: _____ Date performed: _____

MONDAY 10:30

**App. #:** 5723

Septic Fee: 250.00

Date: 8/6/2012

CRT[ ]

**PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT FOR ONSITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL**

**MECKLENBURG COUNTY HEALTH DEPARTMENT GROUNDWATER & WASTEWATER SERVICES**

**FILE #** 7763B

Well Fee:

Date:

CRT[ ]

SEPTIC / TYPE APPLICATION: ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

WELL / TYPE APPLICATION: ◉ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

**JOB LOCATION INFORMATION:**

TAX / PARCEL #: 02303119 ☐ PO

STREET ADDRESS: 10925 BEATTIES FORD RD

CITY: Huntersville

STATE: NC ZIP: 28078

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT #: 0

TOWNSHIP: 00

General Comments:

BUILDING INFORMATION:

TYPE OF BUILDING:

○ SINGLE MOBILE HOME (S) ○ MODULAR HOME (M)

○ DOUBLE WIDE (D) ○ MULTIPLE FAMILY (U)

◉ HOUSE (H) ○ OTHER

HEATED SQUARE FOOTAGE: 2500

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 5

FOUNDATION FOR RESIDENCE:

☑ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING

☐ CRAWL SPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: 0

NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: 0

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE?: ○ Yes ◉ No

TYPE:

WATER SUPPLY:

☐ MUNICIPAL ☑ PRIVATE WELL ☐ PUBLIC WELL ☐ SHARED WELL ☐ OTHER

PROPOSED USE OF WELL:

◉ N/A ○ IRRIGATION ○ POTABLE (Drinking Water) ○ OTHER

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

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

RANK: 0 0 0 0 0

**ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.**

| | | | |
|---|---|---|---|
| BURIED CABLES, LANDFILLS, STUMPHOLES | ○ Yes ◉ No | GRADING/SOIL REMOVAL PERFORMED | ○ Yes ◉ No |
| EXISTING WASTEWATER SYSTEMS | ○ Yes ◉ No | JURISDICTIONAL WETLANDS | ○ Yes ◉ No |
| WELLS, SPRINGS, OR WATER LINES | ○ Yes ◉ No | APPROVAL REQ'RD BY OTHER AGENCY | ○ Yes ○ No |
| EASEMENTS OR RIGHT-OF- | ○ Yes ◉ No | WASTEWATER OTHER THAN DOM. SEWAGE | ○ Yes ○ No |

| | | | |
|---|---|---|---|
| WAYS CHEMICAL/PETROLEUM STORAGE TANKS | ○ Yes ◉ No | KNOWN UNDERGROUND CONTAMINATION | ○ Yes ◉ No |
| WASTE STORAGE | ○ Yes ◉ No | GROUNDWATER USE RESTRICTIONS/VARIANCES | ○ Yes ◉ No |

| PROPERTY OWNER: | | LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE: | |
|---|---|---|---|
| NAME: | Tim & Mildred Snyder | NAME: | Krista Thurmond |
| ADDRESS: | 10915 Beatties Ford Rd | ADDRESS: | 10915 Beatties Ford Rd |
| CITY: | Huntersville | CITY: | Huntersville |
| STATE: | NORTH CAROLINA ZIP: 28078 | STATE: | NORTH CAROLINA ZIP: 28078 |
| HOME PHONE: | WORK: | HOME PHONE: | WORK: |
| MOBILE: | FAX: | MOBILE: | 704-996-8218 FAX: |
| EMAIL: | | EMAIL: | |

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? ☑ UNKNOWN

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 9 5 2012 ☐ N/A

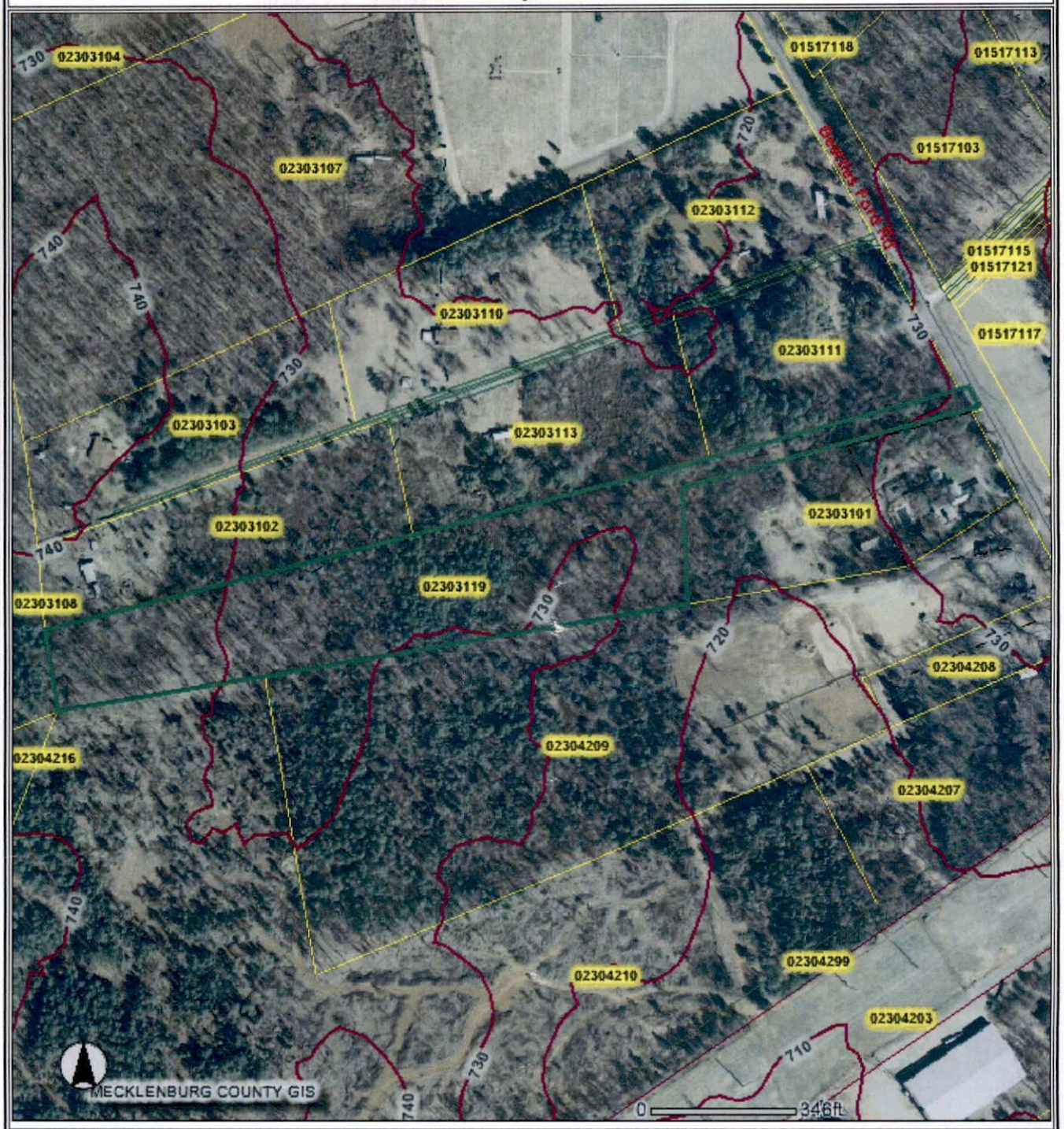
PRINT Update Go to Front Counter Duplicate

*Mecklenburg County, North Carolina*

# *POLARIS*

***Property Ownership Land Records Information System***

Date Printed: Wed Aug 15 08:27:41 EDT 2012



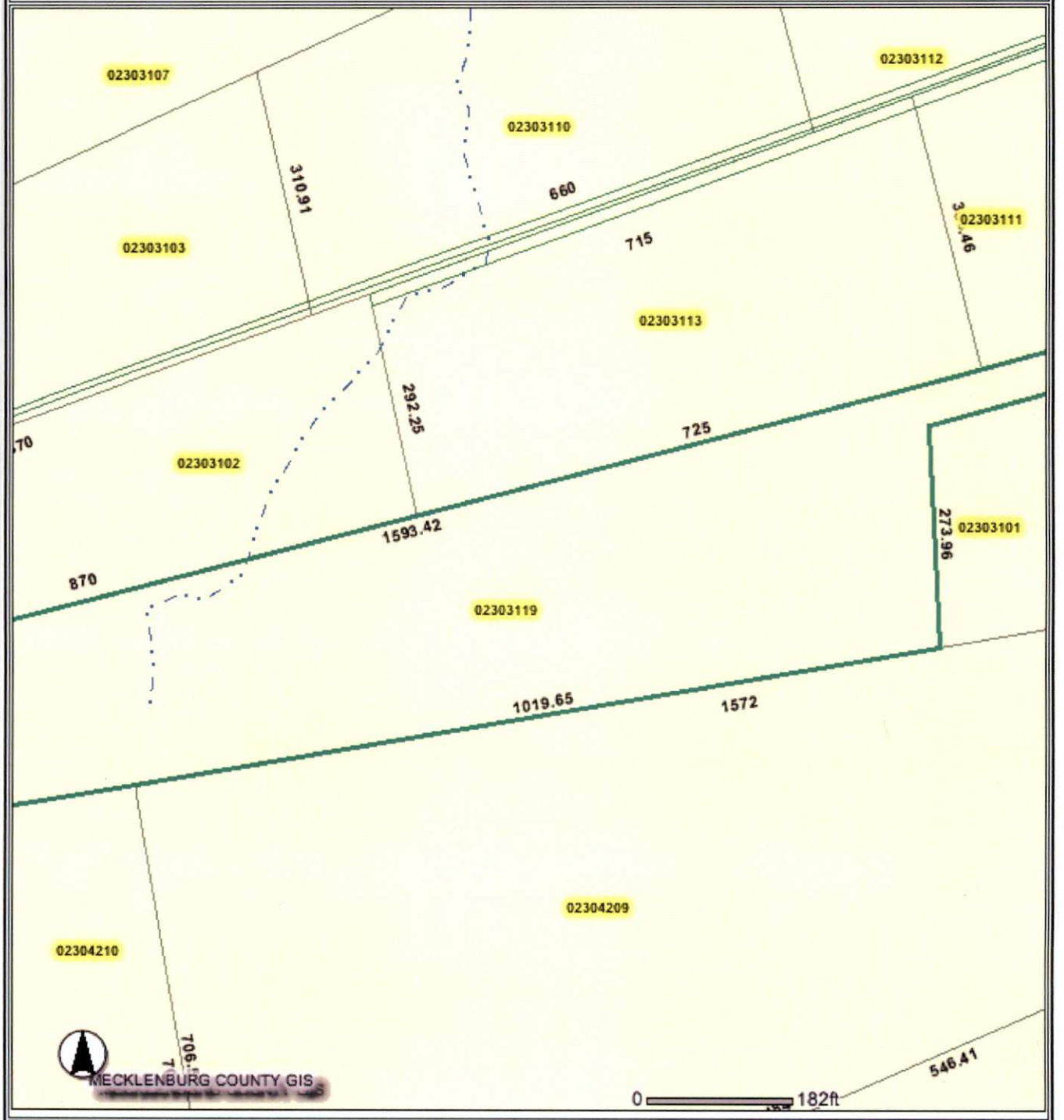

This map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should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

*Mecklenburg County, North Carolina*

# *POLARIS*

***Property Ownership Land Records Information System***

Date Printed: Tue Aug 21 09:27:32 EDT 2012




This map 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 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.

7763B

**MECKLENBURG COUNTY HEALTH DEPARTMENT** App 5723

**APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL**

1. **SEPTIC / TYPE APPLICATION:** ○ N/A ☑ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ○ N/A ☑ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. **JOB LOCATION INFORMATION:**

TAX PARCEL NUMBER: 02303119

STREET ADDRESS: 10925 Beatties Ford Rd.

CITY: Huntersville

STATE: NC ZIP: 28078

SUBDIVISION NAME: N/A

LOT #: _____ LOT SIZE (acres): 10

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: 2,500

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 5

FOUNDATION TYPE:

☑ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
○ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. **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 ○ OTHER _____

7. **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 ☑ NO |
| EXISTING WASTEWATER (SEPTIC) SYSTEMS | ○ YES ☑ NO | JURISDICTIONAL WETLANDS | ○ YES ☑ NO |
| WELLS, SPRINGS, OR WATER LINES | ○ YES ☑ NO | APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY | ○ YES ☑ NO |
| EASEMENTS OR RIGHT-OF-WAYS | ○ YES ☑ NO | WASTEWATER OTHER THAN DOMESTIC SEWAGE | ○ YES ☑ NO |
| CHEMICAL/PETROLEUM STORAGE TANKS | ○ YES ☑ NO | KNOWN UNDERGROUND CONTAMINATION | ○ YES ☑ NO |
| WASTE STORAGE | ○ YES ☑ NO | GROUNDWATER USE RESTRICTIONS/VARIANCES | ○ YES ☑ NO |

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** _____ ☑ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** 9/5/12 ☐ N/A

* Contract pending - buyer:

12. **PROPERTY OWNER:**

NAME: Tom & Mildred Snyder

ADDRESS: 10915 Beatties Ford Rd

CITY: Huntersville

STATE: NC ZIP: 28078

WORK PHONE: _____

MOBILE PHONE: _____

FAX: _____

E-MAIL: _____

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

NAME: Krista Thurmond

ADDRESS: 10915 Beatties Ford Rd.

CITY: Huntersville

STATE: NC ZIP: 28078

WORK PHONE: _____

MOBILE PHONE: 704.996.8218

FAX: _____

E-MAIL: kristathurmond@hotmail.com



MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

**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.

K.T. (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.

K.T. (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.

Kristen Thrush
Property Owner's or Owner's Legal Representative Signature

8/6/12
Date

---

*OFFICE USE ONLY*

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

SEPTIC APPLICATION FEE RECEIVED: $ 250.00 DATE FEE RECEIVED: 8/6/12

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: lws

GWS FILE NUMBER ASSIGNED: 7763B

APPLICATION ID NUMBER ASSIGNED: 5723

COMMENTS:



MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

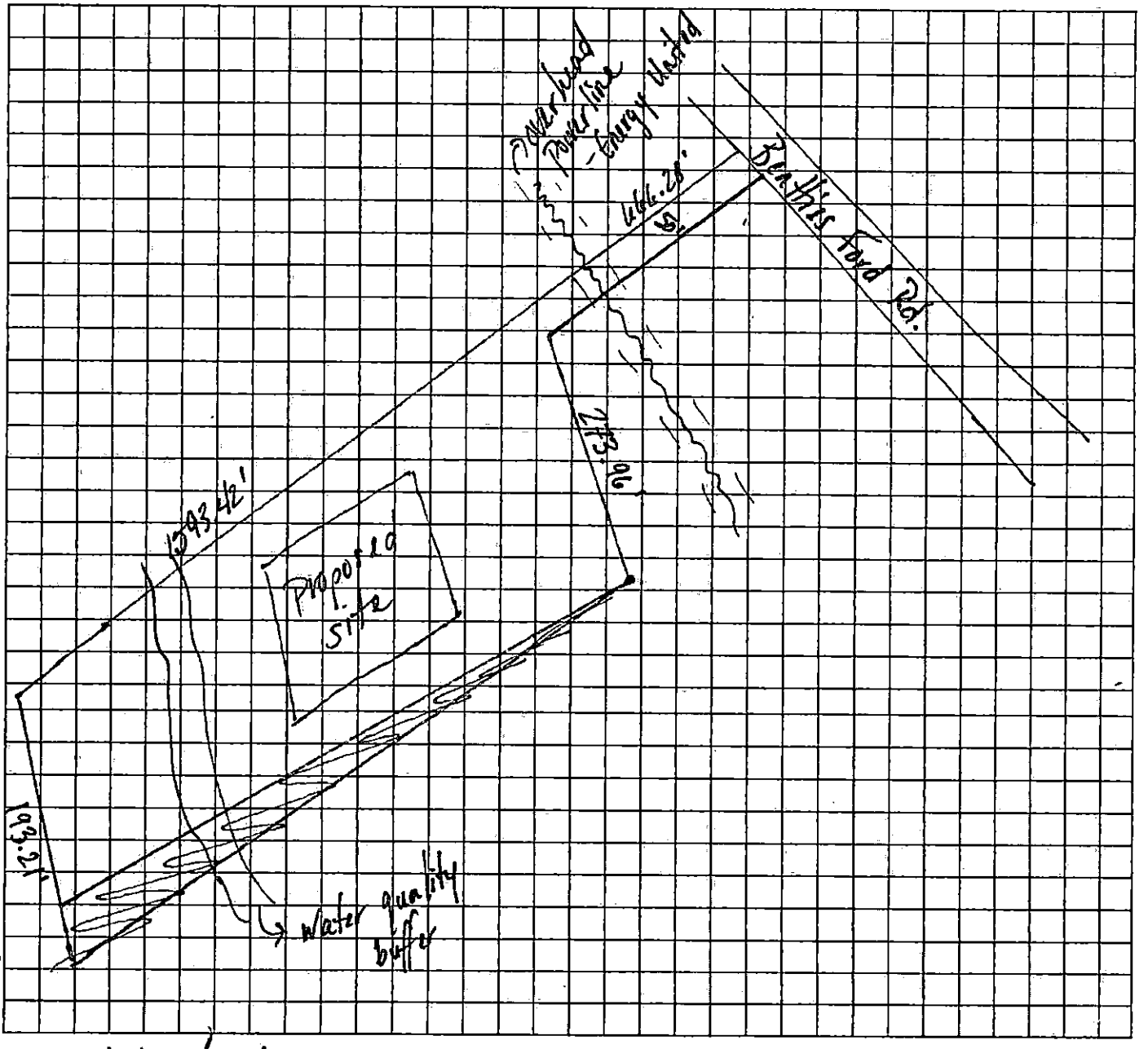
File #: _____

## 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: 10925 Beatties Ford Rd. Tax Parcel #: 02303119

Subdivision Name: N/A Lot #: N/A




Property Owner's or Owner's Legal Representative Signature

8/6/12
Date



MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

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

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 08/06/12 | **Amount:** | 250.00 |
| **Receipt #:** | 79102 | **Tendered:** | 250.00 |
| **Check / Auth #:** | MC 065282 | **Returned:** | 0.00 |
| **Received By:** | SADERLW | | |

**Account Information**

**Account #:** 200000
**Contractor:** THURMOND KRISTA
**Attn:**
**Address:** 10915 BEATTIES FORD RD
**Address:**
**City/State/Zip:** HUNTERSVILLE, NC 28078

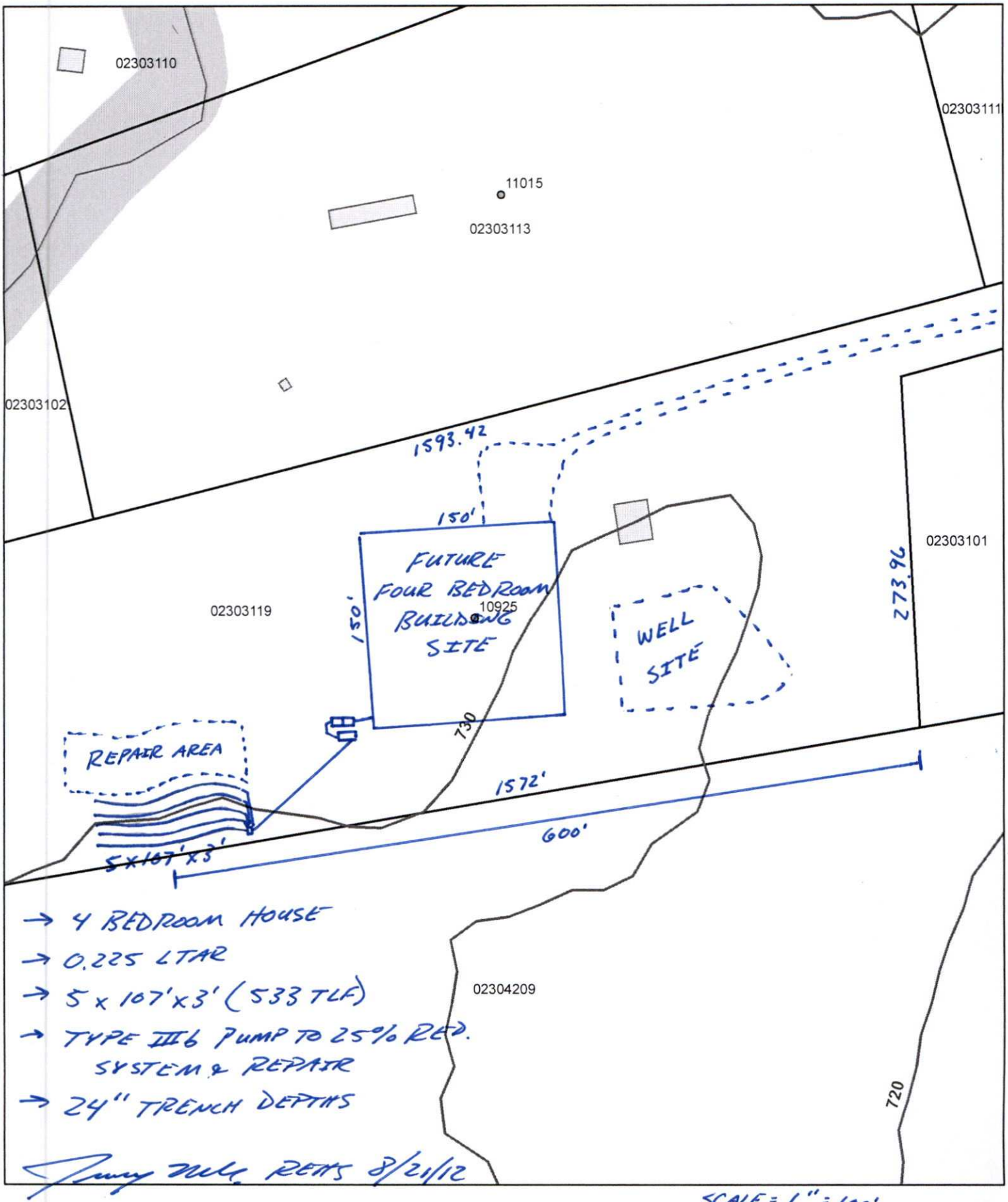
| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0701 | Improvment Permit App-Residen<br>10925 BEATTIES FORD RD, FILE 7763B | | 1 | 250.00 | 250.00 |

**Outstanding Balances**

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 1,500.00 | 40.00 | | | | |

File # 7763B
Parcel # 023-031-19
App. ID # 5723

# 10925 Beatties Ford Road




SCALE = 1" = 100'

Map Created By: JEREMY MICHELONE, REHS
Map Created On: 8/21/12

0 37.5 75 150 Feet

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 #: **30005723** GWS File #: **7763B** Tax Parcel #: **023-031-19**

- 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):** 8/21/2017

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size ($ft^2$): 2500 # Bedrooms: 4 # Occupants: 5

Building Foundation: Concrete Slab Water Supply: Private Well

**II. Initial System Type:** Pump to Approved **System Classification:** IIIb

Initial System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 480 | LTAR (gpd/$ft^2$): | 0.225 | Septic Tank Size (gal): | 1500 | Pump Tank Size (gal): | 1000 |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 1600 | Total Trench Length (ft): | 533 |
| Maximum Trench Depth (in): | 24 | Depth of Media (in): | 12 | Distribution Device: | Pressure Manifold | | |

**III. Repair System Type:** Pump to Approved **System Classification:** IIIb

Repair System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 480 | LTAR (gpd/$ft^2$): | 0.225 | Septic Tank Size (gal): | 1500 | Pump Tank Size (gal): | 1000 |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 1600 | Total Trench Length (ft): | 533 |
| Maximum Trench Depth (in): | 24 | Depth of Media (in): | 12 | Distribution Device: | Pressure Manifold | | |

**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: _____
Print Name

Signature: Jeremy Michelone REHS Signature: _____

Date Issued: 8/21/2012

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 #: **30005723** GWS File #: **7763B**

**IV. Permit Conditions/Comments:**

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.

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

Signature: Jeremy Mich Rellis

Date Issued: 8/21/2012

Owner/Legal Agent: _____
Print Name

Signature: _____

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 3
Property ID: 023-031-19
Lot #:
File #: 7763B
AppID: 5723

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

Owner: Tom and Mildred Snyder
Applicant: Krista Thurmond
Address: 10915 Beatties Ford Rd Huntersville, NC 28078
Date Evaluated: 8/8/2012
Proposed Facility: Residence
Design Flow (.1949) 480GPD
Property Size: 10 AC
Location of Site: 10925 Beatties Ford Rd Huntersville, NC 28078
Property Recorded:
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS | 0-4 | wfg L | ss sp fr sexp | >48 | 48 | NA | PS | PS IV |
| | 3% | 4-26 | mmsbk C | s p fi sexp | | | | | 0.25 |
| | | 26-48 | mmsbk C | ss sp fr sexp | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2 | LS | 0-4 | wfg L | ss sp fr sexp | >37 | 37 | NA | PS | PS IV |
| | 3% | 4-37 | mmsbk C | s p fi sexp | | | | | 0.25 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 3 | LS | 0-2 | wfg L | ss sp fr sexp | >48 | 48 | NA | PS | PS IV |
| | 4% | 2-36 | mmsbk C | s p fi sexp | | | | | 0.225 |
| | | 36-43 | mfsbk C | ss sp fi sexp | | | | | |
| | | 43-48 | wfsbk CL | ss sp fr sexp | | | | | |
| | | | | | | | | | |
| 4 | LS | 0-6 | wfsbk L | ss sp fr sexp | >48 | 48 | NA | PS | PS IV |
| | 3% | 6-48 | wmsbk C | s p fi sexp | | | | | 0.225 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | III b | III b |
| Site LTAR | 0.225 | 0.225 |

Other Factors (.1946):
Soil Evaluation By: Eric Bailey LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Jeremy Michelone, REHS
Others Present: Krista Thurmond

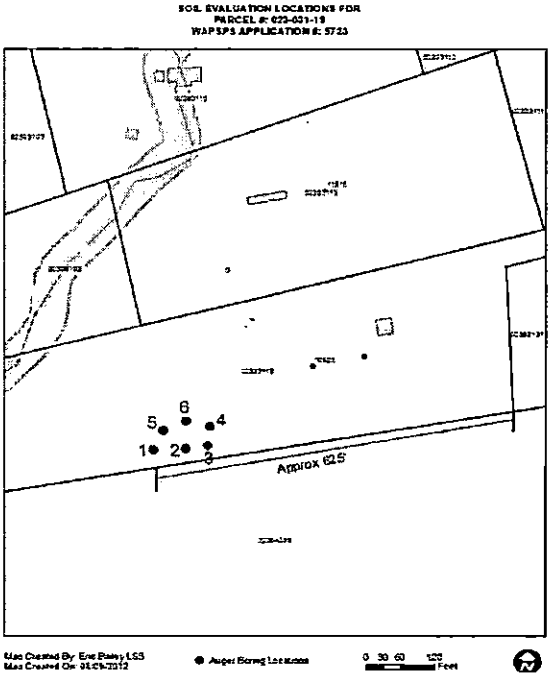
Jeremy Mich. REHS

**COMMENTS:**

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Foot Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | Si-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SiCL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | CL-Clay Loam | | |
| FP-Flood Plain | | SCL-Sandy Clay Loam | | |
| D-Drainage Way | | SiL- (Silt Loam) | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SiC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | NEXP-(Non-expansive) |
| FR-Friable | SS-Slightly Sticky | SEXP-Slightly Expansive |
| FI-Firm | S-Sticky | EXP-Expansive |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**



Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 3 of 3
File #: 7763B

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

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 5 | LS | 0-5 | wfsbk L | ss sp fr sexp | > 48 | 48 | NA | PS | PS IV |
| | 3% | 5-42 | wmsbk C | ss sp fi sexp | | | | | 0.25 |
| | | 42-48 | wfsbk CL | ss sp fi sexp | | | | | |
| 6 | LS | 0-4 | wfsbk L | ss sp fr sexp | >36 | 36 | NA | PS | PS IV |
| | 2% | 4-36 | mmsbk C | s p fi sexp | | | | | 0.25 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 3
Property ID: 023-031-19
Lot #:
File #: 7763B
AppID: 5723

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Tom and Mildred Snyder
Applicant: Krista Thurmond
Address: 10915 Beatties Ford Rd Huntersville, NC 28078
Date Evaluated: 8/8/2012
Proposed Facility: Residence
Design Flow (.1949) 480GPD
Property Size: 10 AC
Location of Site: 10925 Beatties Ford Rd Huntersville, NC 28078
Property Recorded:
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS | 0-4 | wfg L | ss sp fr sexp | >48 | 48 | NA | PS | PS IV |
| | 3% | 4-26 | mmsbk C | s p fi sexp | | | | | 0.25 |
| | | 26-48 | mmsbk C | ss sp fr sexp | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2 | LS | 0-4 | wfg L | ss sp fr sexp | >37 | 37 | NA | PS | PS IV |
| | 3% | 4-37 | mmsbk C | s p fi sexp | | | | | 0.25 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 3 | LS | 0-2 | wfg L | ss sp fr sexp | >48 | 48 | NA | PS | PS IV |
| | 4% | 2-36 | mmsbk C | s p fi sexp | | | | | 0.225 |
| | | 36-43 | mfsbk C | ss sp fi sexp | | | | | |
| | | 43-48 | wfsbk CL | ss sp fr sexp | | | | | |
| | | | | | | | | | |
| 4 | LS | 0-6 | wfsbk L | ss sp fr sexp | >48 | 48 | NA | PS | PS IV |
| | 3% | 6-48 | wmsbk C | s p fi sexp | | | | | 0.225 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | 0.225 | 0.225 |

Other Factors (.1946):
Soil Evaluation By: Eric Bailey LSS Eric Bailey
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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

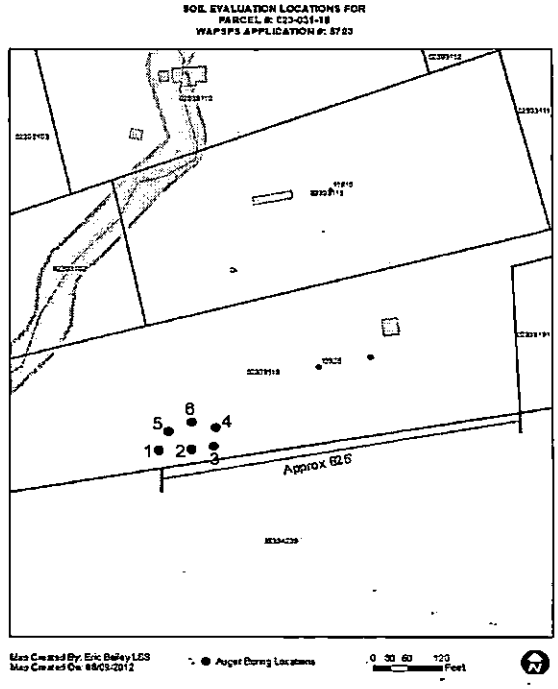
| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 5 | LS | 0-5 | wfsbk L | ss sp fr sexp | > 48 | 48 | NA | PS | PS IV |
| | 3% | 5-42 | wmsbk C | ss sp fi sexp | | | | | 0.25 |
| | | 42-48 | wfsbk CL | ss sp fi sexp | | | | | |
| 6 | LS | 0-4 | wfsbk L | ss sp fr sexp | >36 | 36 | NA | PS | PS IV |
| | 2% | 4-36 | mmsbk C | s p fi sexp | | | | | 0.25 |

**COMMENTS:**

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Foot Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | Si-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SiCL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | CL-Clay Loam | | |
| FP-Flood Plain | | SCL-Sandy Clay Loam | | |
| D-Drainage Way | | SiL- (Silt Loam) | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SiC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | NEXP-(Non-expansive) |
| FR-Friable | SS-Slightly Sticky | SEXP-Slightly Expansive |
| FI-Firm | S-Sticky | EXP-Expansive |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**



77630 $50 cc 9/05 5114831 9 lot 8 c  Paid $100.00 2nd inspection 6/5/08

FILE NUMBER: _____

SEPTIC FEE: 150.00
DATE: 5/12/08

Revised On: August 31, 2007

APPLICATION NUMBER: 3510

# MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES
## APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

WELL FEE: _____
DATE: _____

1. SEPTIC / TYPE APPLICATION: ☐ NONE ☒ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ☒ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. JOB LOCATION INFORMATION:
TAX PARCEL NUMBER: 02303101 pp
STREET ADDRESS: Beatties Ford Rd
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME:
LOT #: LOT SIZE (acres): 15
TOWNSHIP:
☒ 0-MECKLENBURG ☐ 3-CORNELIUS ☐ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:
BUILDING TYPE:
☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☒ HOUSE ☐ OTHER _____
HEATED SQUARE FOOTAGE: 4000 ±
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS:
FOUNDATION TYPE:
☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☒ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING 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 ☐ PUBLIC WELL ☐ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

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

8A. RANK: ☐ ANY TYPE ☒ CONVENTIONAL 2 ☐ ACCEPTED ☒ INNOVATIVE 2 ☐ ALTERNATIVE ☒ OTHER 1 25% reduction

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 ☒ NO |
| EXISTING WASTEWATER (SEPTIC) SYSTEMS | ☐ YES ☒ NO | JURISDICTIONAL WETLANDS | ☒ YES ☐ NO |
| WELLS, SPRINGS, OR WATER LINES | ☐ YES ☒ NO | APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY | ☐ YES ☒ NO |
| EASEMENTS OR RIGHT-OF-WAYS | ☐ YES ☒ NO | WASTEWATER OTHER THAN DOMESTIC SEWAGE | ☐ YES ☒ NO |

10. PROPERTY OWNER:
NAME: Thomas M. & Mildred D. Snyder
ADDRESS: 10915 Beatties Ford Rd
CITY: Huntersville
STATE: NC ZIP: 28078
HOME PHONE: 704-875-283 WORK PHONE:
MOBILE PHONE: FAX:

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 7/9/2003
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____

14. SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:
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 60 months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

Property Owner's or Owner's Legal Representative Signature 5/12/08 Date

Property Owner's or Owner's Legal Representative Signature Date

15. WELL PERMIT APPLICATION SIGNATURE SECTION:
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 12 months from the date of issuance.

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

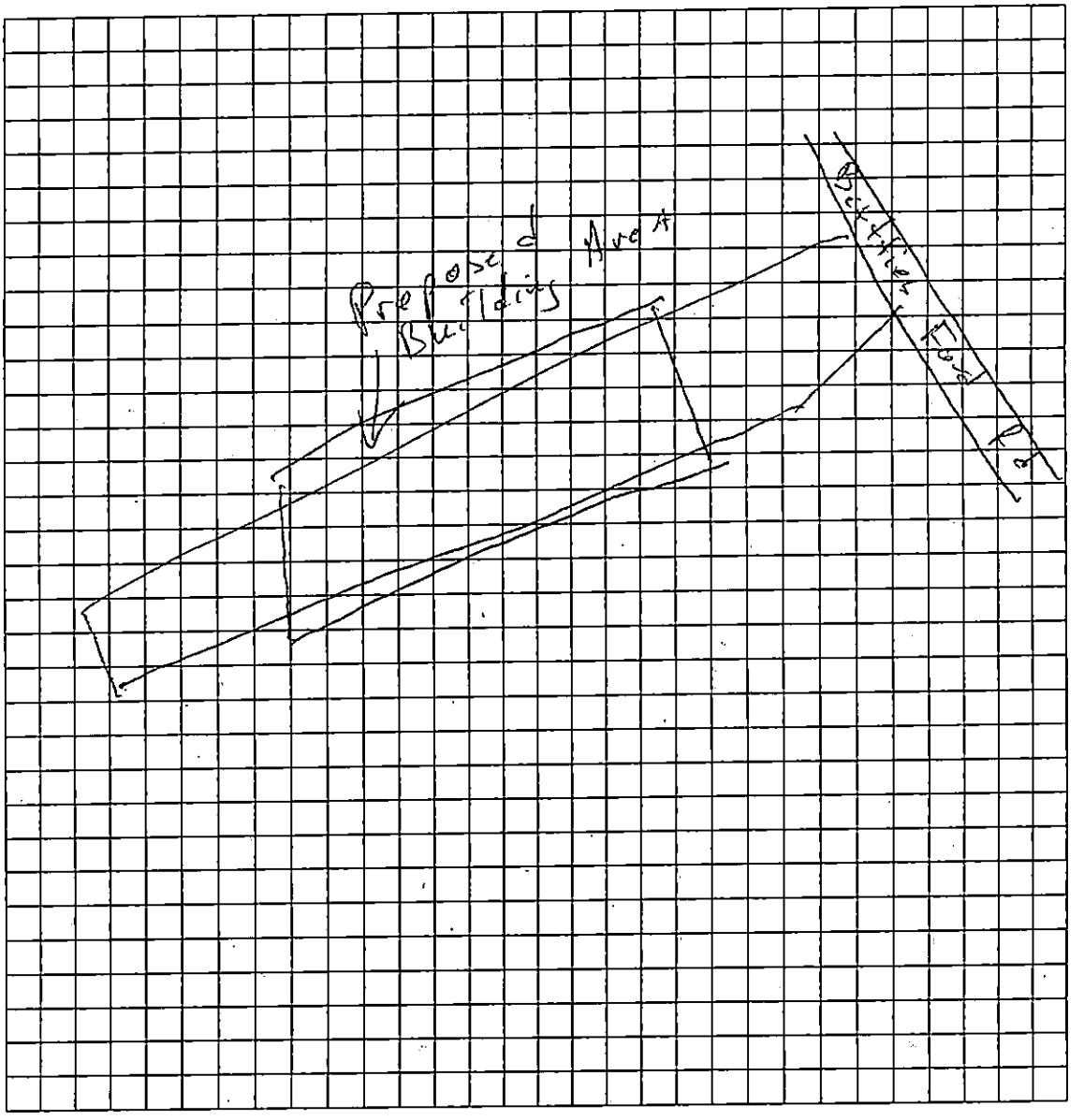
MECKLENBURG COUNTY-GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211, CHARLOTTE, NC 28202 PHONE: (704) 336-5103 FAX: (704) 336-6894

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

File #_____
Date_____

# PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.




| | |
|---|---|
| Owner/Agent Signature | |
| Date | 6/12/08 |

LBC 12/15/04

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

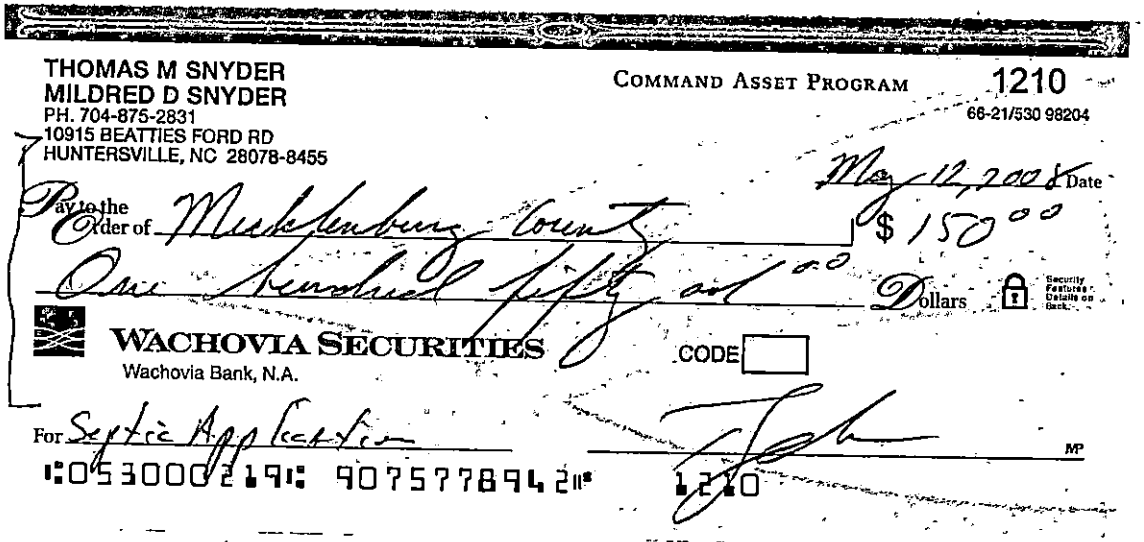
**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 05/12/08 | **Amount:** | 150.00 |
| **Receipt #:** | 57286 | **Tendered:** | 150.00 |
| **Check / Auth #:** | CHECK 1210 | **Returned:** | 150.00 |
| **Received By:** | MURRABJ | | |

**Account Information**

**Account #:** 200000
**Contractor:**
**Attn:**
**Address:**
**Address:**
**City/State/Zip:** ,

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0734 | Auth for Waste Wtr Sys Constr<br>10915 beatties ford rd | | 1 | 150.00 | 150.00 |


THOMAS M SNYDER
MILDRED D SNYDER
PH. 704-875-2831
10915 BEATTIES FORD RD
HUNTERSVILLE, NC 28078-8455

COMMAND ASSET PROGRAM 1210
66-21/530 98204

May 12, 2008 Date

Pay to the Order of Mecklenburg County $ 150 00

One Hundred Fifty and 00 Dollars

WACHOVIA SECURITIES
Wachovia Bank, N.A.

CODE

For Septic Application

:053000219: 9075778942 1210

**Outstanding Balances**

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 600.00 | | | | | |

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

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 06/05/08 | **Amount:** | 100.00 |
| **Receipt #:** | 57683 | **Tendered:** | 100.00 |
| **Check / Auth #:** | CHECK 1094 | **Returned:** | 0.00 |
| **Received By:** | CRAIGGY | | |

**Account Information**

**Account #:** 200000
**Contractor:** SNYDER THOMAS M
**Attn:**
**Address:** 10915 BEATTIES FORD RD
**Address:**
**City/State/Zip:** HUNTERSVILLE, NC 28078

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0702 | Optional Site Evaluations<br>FILE 7763B | | 1 | 100.00 | 100.00 |

----------Outstanding Balances----------

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|

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

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 05/19/08 | **Amount:** | 50.00 |
| **Receipt #:** | 57376 | **Tendered:** | 0.00 |
| **Check / Auth #:** | VISA 544403 | **Returned:** | 0.00 |
| **Received By:** | CRAIGGY | | |

**Account Information**

**Account #:** 200000
**Contractor:** SNYDER THOMAS M
**Attn:**
**Address:** 10915 BEATTIES FORD RD
**Address:**
**City/State/Zip:** HUNTERSVILLE, NC 28078

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0701 | Improvment Permit App-Residen<br>BEATTIES FORD RD/BAL OF FEE | | 1 | 50.00 | 50.00 |

----------Outstanding Balances----------

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 600.00 | | | | | |

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 023-031-01
Lot #:
File #: 7763B
AppID: 3510

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Thomas & Mildred Synder
Address: 10915 Beatties Ford Road, Huntersville, N. C. 28708
Proposed Facility: Residence Design Flow (.1949) 480gpd
Location of Site: Beatties Ford Road
Water Supply: [ x ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ x ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ x ] Sewage [ ] Industrial Process [ ] Mixed

Applicant:
Date Evaluated: 6/308
Property Size: Approx. .85a inv.
Property Recorded:

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS, 5 | 0-6 | GR/SCL | FR/SEXP/SS/SP | >22" TO SOIL WETNESS | 22 | N/A | NONE | US |
| | | 6-22 | SBK/C | VFI/EXP/S/VP | | | | | |
| 2 | " | 0-4 | GR/CL | FR/SEXP/SS/SP | >20" TO SOIL WETNESS | 20 | " | " | " |
| | | 4-20 | SBK/C | VFI/EXP/S/VP | | | | | |
| 3 | " | 0-4 | GR/SCL | FR/SEXP/SS/SP | >18" TO SOIL WETNESS | 18 | " | " | " |
| | | 4-18 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | 18-25 | M/SCL | FR/SEXP/SS/SP | | | | | |
| 4 | " | 0-3 | GR/CL | " | >17" TO SOIL WETNESS | 17 | " | " | " |
| | | 3-17 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | PITS | DUG 6/12/08 | | NO LTAR ASSIGNED | | | | |
| 1-A | " | 0-10 | GR/CL | FR/SEXP/SS/SP | >49" TO SOIL WETNESS | 20 | US | " | " |
| | | 10-20 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | 20-34 | M/CL | FR/SEXP/SS/SP | | | | | |
| | | 34-49 | M/SCL | " | | | | | |
| 2-A | " | 0-14 | GR/CL | " | >52" TO SOIL WETNESS | 28 | " | " | " |
| | | 14-28 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | 28-52 | M/CL | FR/SEXP/SS/SP | | | | | |
| 3-A | " | 0-12 | GR/CL | " | " | 27 | " | " | |
| | | 12-27 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | 27-52 | M/SCL | FR/SEXP/SS/SP | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

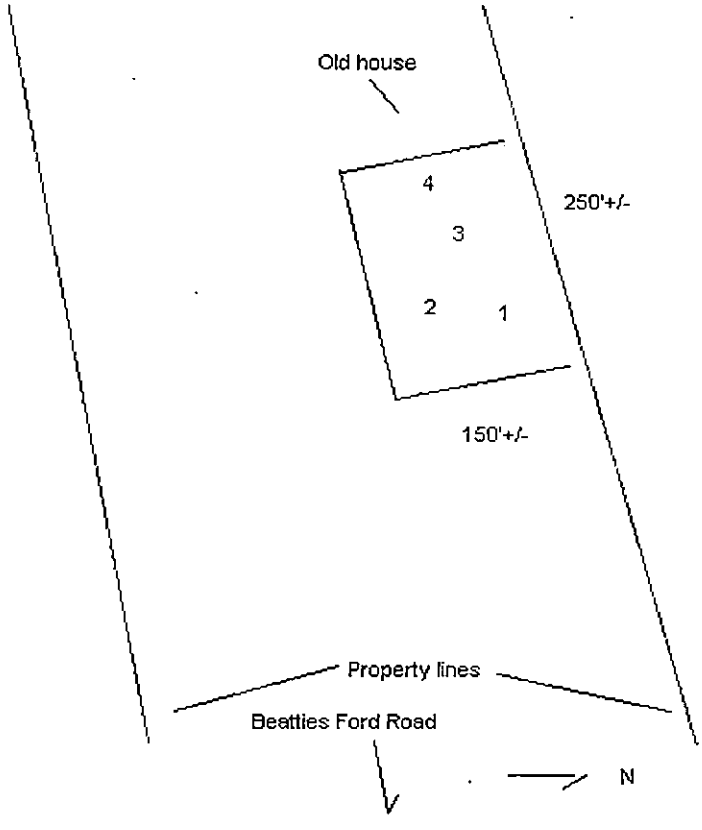
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS,6/3/2008.
Others Present: T. Snyder
Site Classification (.1948):
Site Evaluation By:
Others Present:

**COMMENTS:**
100% repair

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Foot Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | SI-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SICL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | | | |
| FP-Flood Plain | | CL-Clay Loam | | |
| | | SCL-Sandy Clay Loam | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SIC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | SEXP-Slightly Expansive |
| FR-Friable | SS-Slightly Sticky | EXP-Expansive |
| FI-Firm | S-Sticky | |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**



Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 3 OF 3
File #: 7763B

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

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 4A | LS, 5 | 0-9 | GR/CL | FR/SEXP/SS/SP | >41" TO SOIL WETNESS | 20 | US | NONE | US |
| | | 9-20 | SBKC | VFI/EXP/S/VP | | | | | |
| | | 20-41 | MSCL | FR/SEXP/SS/SP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | |

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: PO 023-031-01
Lot #:
File #: 7763B
AppID: 3510

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Thomas & Mildred Synder
Applicant:
Address: 10915 Beatties Ford Road, Huntersville, N. C. 28708
Date Evaluated: 6/308
Proposed Facility: Residence
Design Flow (.1949) 480gpd
Property Size: Approx. .85a inv.
Location of Site: Beatties Ford Road
Property Recorded:
Water Supply: [ x ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ x ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ x ] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS, 5 | 0-6 | GR/SCL | FR/SEXP/SS/SP | >22" TO SOIL WETNESS | 22 | N/A | NONE | US |
| | | 6-22 | SBK/C | VFI/EXP/S/VP | | | | | |
| 2 | " | 0-4 | GR/CL | FR/SEXP/SS/SP | >20" TO SOIL WETNESS | 20 | " | " | " |
| | | 4-20 | SBK/C | VFI/EXP/S/VP | | | | | |
| 3 | " | 0-4 | GR/SCL | FR/SEXP/SS/SP | >18" TO SOIL WETNESS | 18 | " | " | " |
| | | 4-18 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | 18-25 | M/SCL | FR/SEXP/SS/SP | | | | | |
| 4 | " | 0-3 | GR/CL | " | >17" TO SOIL WETNESS | 17 | " | " | " |
| | | 3-17 | SBK/C | VFI/EXP/S/VP | | | | | |
| | | | | | NO LTAR ASSIGNED | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

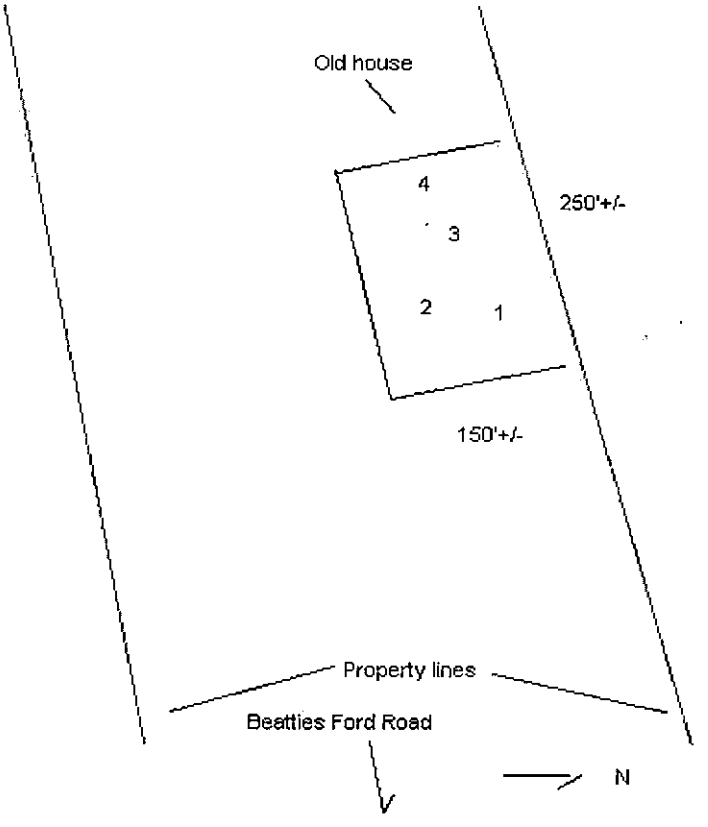
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS,6/3/2008, W. R. Marlin
Others Present: T. Snyder
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:
100% repair

| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | SG-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | M-Massive |
| LS-Linear Slope | | | | CR-Crumb |
| FS-Foot Slope | II | SL-Sandy Loam | 0.8 - 0.6 | GR-Granular |
| NS-Nose Slope | | L-Loam | | SBK-Subangular Blocky |
| HS-Head Slope | | | | ABK-Angular Blocky |
| CC-Concave Slope | III | SI-Silt | 0.6 - 0.3 | PL-Platy |
| CV-Convex Slope | | SICL-Silty Clay Loam | | PR-Prismatic |
| T-Terrace | | | | |
| FP-Flood Plain | | CL-Clay Loam | | |
| | | SCL-Sandy Clay Loam | | |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | |
| | | SIC-Silty Clay | | |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | NS-Non-Sticky | SEXP-Slightly Expansive |
| FR-Friable | SS-Slightly Sticky | EXP-Expansive |
| FI-Firm | S-Sticky | |
| VFI-Very Firm | VS-Very Sticky | |
| EFI-Extremely Firm | NP-Non-Plastic | |
| | SP-Slightly Plastic | |
| | P-Plastic | |
| | VP-Very Plastic | |

**Sketch of Soil Evaluation Locations**



Mecklenburg County
Land Use & Environmental Services Agency
Water & Land Resources
**North Office**

# TRANSMITTAL COVER SHEET

Date: 5/12/08

| TO: Gwen Craig | From: Brandi J. Murray |
|---|---|
| Organization/Dept | Organization/Dept<br>**LUESA Land Development** |
| Phone #: | Phone #: |
| FAX #: | FAX #: |

Project Name: 10915 Beatties Ford Road Pages: _____

☐ Fax
☐ Mail Courier
☐ Pick - Up
☐ Hand Delivered By: _____
☐ Urgent ☐ For Review ☐ Please Reply ☐ For Approval
☐ For your Information ☐ As Requested

Subject: The applicant insisted that I send this all to you along via inter office mail I did already fax it with acknowledgement of his payment.

++++++++++++++++++++++++

Enclosures:
☐ Approved Plans ☐ Redline Plans ☐ Calculations ☐ Letter

cc: _____

_____