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

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

File #: 4506B Permit #: 30001675 Tax Parcel #: 139-281-19

Property Owner: Gerald D. Hollingsworth

Job Location Address: 9980 Arlington Church Rd.

City: Mint Hill State: NC Zip Code: 28227

Operation Permit Issuance Date: 10/7/2014 Contractor Name: RCS (Tank installation)

Permitted Design Flow: 360 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: Gould 1/2hp 311

J+S INC - 1600 STB112-LAWN

Drainfield Installation ☐ N/A

Trench Depth: 13 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 480 feet

# of Lines: 4 @ 122 feet Δ126'

Depth of Media: 12 inches (Type) gtr/stone

Depth of Cover: 12 inches

Distribution Device: Distribution box

Inspection Dates

Tank(s) Inspected: 10/3/14

Excavation Inspected: 10/3/14

Pump & Controls Inspected: 10/7/14 gould 5 1/2hp

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 _____

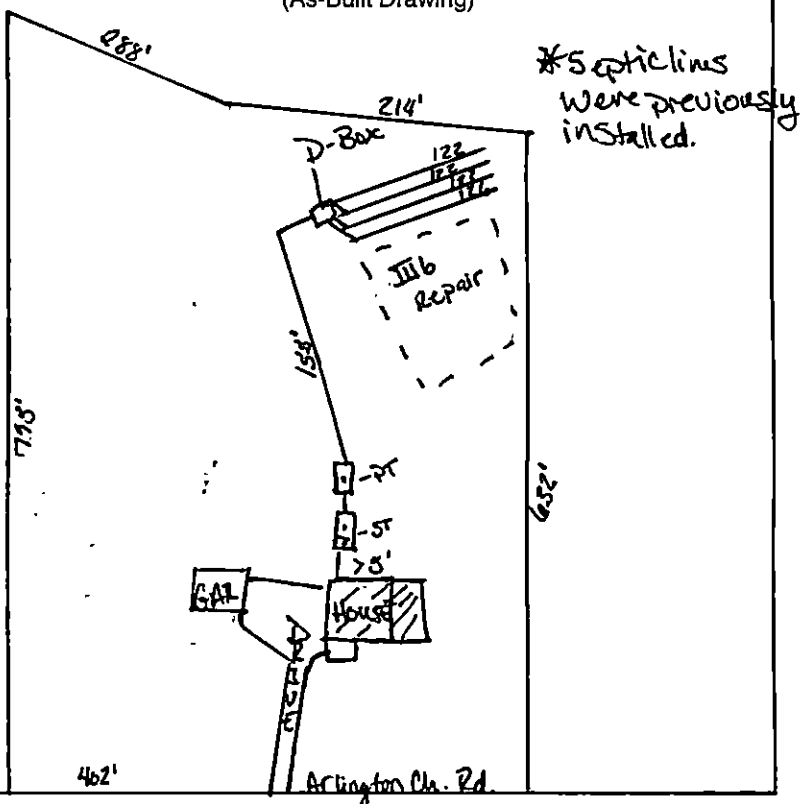
System Installation Setbacks

Distance from Building Foundation: >5 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: >10 feet

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



*5 septic lines were previously installed.

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: III b gtr / p / na / na

DENR Authorized Agent: Shelby Lockard Signature: Shelby Lockard

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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: H5016B Permit #: 30006475 Tax Parcel #: 139-281-19

Property Owner: Gerald Hollingsworth

Job Location Address: 9950 Arlington Church Rd

City: Mint Hill State: NC Zip Code: 28227

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: III

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☐ System does not require inspection by GWS on a routine frequency.

☒ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: Shelby Ledford Date: 10/07/2014

Signature: Shelby Ledford

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) lwo 10/17/13 Initials/Date $250

CA ($200.00) lwo 3/28/14 Initials/Date $100

OP ($200.00) lwo 3/28/14 Initials/Date $50

All applied to CA + OP See JM's letter to file

(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. ☐ _____

4506B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App #6475

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: 139-281-19 (LRS-M35-379)

STREET ADDRESS: Tract 3, Arlington Church Rd.

CITY: Mint Hill

STATE: NC **ZIP:** 28227

SUBDIVISION NAME: Arlington Acres

LOT #: 3 **LOT SIZE (acres):** 5.01

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: 2,400

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS: 2

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: ____ 1 ____ ____ ____ ____

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? 12/4/13 ☐ N/A

12. PROPERTY OWNER:

NAME: Michele A. Serrani-Russell
ADDRESS: 523 Beaver Dam LN
CITY: CHARLOTTE
STATE: NC ZIP: 28227
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Garald Del Hollingsworth
ADDRESS: 5406 Miller Lane
CITY: Richardson
STATE: TX ZIP: 75082
WORK PHONE: (469) 644-2060
MOBILE PHONE: (469) 644-2060
FAX: _____
E-MAIL: gdelh1963@tx.rr.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.

_____ (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.

_____ Oct 14, 2013

Property Owner's or Owner's Legal Representative Signature — 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: 10/17/13

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

APPLICATION PROCESSED BY: Qus

GWS FILE NUMBER ASSIGNED: 4506B

APPLICATION ID NUMBER ASSIGNED: 10475

COMMENTS:

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

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: Tract 3, Arlington Church Rd., Mint Hill NC 2

Tax Parcel #: 139-281-19

Subdivision Name: Arlington Acres

Lot #: 3 (L3-M35-379)

SEE ATTACHED SURVEY

Property Owner's or Owner's Legal Representative Signature

Oct 14, 2013
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

THIS IS TO CERTIFY THAT ON THE 6th DAY OF SEPTEMBER 2001, I SURVEYED THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY, ARE AS SHOWN HEREON.

SIGNED _____
REGISTERED SURVEYOR

THIS PROPERTY DOES NOT LIE WITHIN ANY FLOOD-PRONE HAZARD AREA.

NORTH CAROLINA REGISTERED SEAL L-2248 LAND SURVEYOR HUGH E. WHITE, JR.

Old Iron Bent

S 67°51'53" W 288.33'

~RED BRANCH BAPTIST CHURCH CEMETERY~ (NOW OR FORMERLY) DEED: 2095-31

~RONALD P. BELK & wife MARGIE H. BELK~ (NOW OR FORMERLY) DEED: 2095-31

S 03°14'26" E 151.58'

#8 Rebar

#5 Rebar

50' REAR YARD

S 81°55'36" E 795.54'

6' SIDE YARD

TRACT 3
5.011 ACRES

TRACT 2

6' SIDE YARD

S 88°24'45" W 632.44'

TRACT 4

Approximate Location of Branch (Scanned from Tax Map)

60' SETBACK

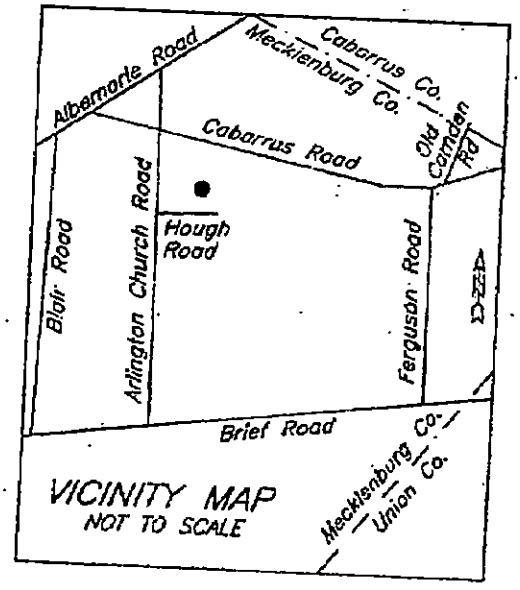
NORTH PER MAP BOOK 18, PAGE 288

#5 Rebar

N 14°49'46" E 402.63'

#5 Rebar

ARLINGTON CHURCH ROAD



VICINITY MAP
NOT TO SCALE

THIS IS TO CERTIFY THAT ON THE 6th DAY OF SEPTEMBER 2001, I SURVEYED THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY, ARE AS SHOWN HEREON.

SIGNED _____
REGISTERED SURVEYOR

THIS PROPERTY DOES NOT LIE WITHIN ANY FLOOD-PRONE HAZARD AREA.

NORTH CAROLINA REGISTERED SEAL L-2646 LAND SURVEYOR HUGH E. WHITE, JR.

Old Iron Bent

S 67°51'53" W 288.33'

~RED BRANCH BAPTIST CHURCH CEMETERY~ (NOW OR FORMERLY) DEED: 2095-31

~RONALD P. BELK & wife MARGIE H. BELK~ (NOW OR FORMERLY) DEED: 2095-31

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50' REAR YARD

S 81°55'36" E 795.54'

6' SIDE YARD

S 88°24'45" W 632.44'

6' SIDE YARD

TRACT 3
5.011 ACRES

Proposed HOUSE Location

Not to scale

TRACT 2

Proposed Outbuilding Location

Approximate Location of Branch

(Scanned from Tax Map)

Proposed Drive WAY

TRACT 4

NORTH PER MAP BOOK 18, PAGE 288

60' SETBACK

#5 Rebar

N 14°49'46" E 402.63'

#5 Rebar

ARLINGTON CHURCH ROAD

VICINITY MAP
NOT TO SCALE

Albemarle Road
Cabarrus Co.
Mecklenburg Co.
Cabarrus Road
Old Camden Rd
Blair Road
Arlington Church Road
Hough Road
Ferguson Road
Brief Road
Mecklenburg Co.
Union Co.

Polaris 3G Map – Mecklenburg County, North Carolina

Date Printed: 9/12/2013 3:16:53 PM



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
Health Department

E. Winters Mabry, MD
Director

(704) 432-3199

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that Del Hollingsworth is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

139-281-19
Number Street Town
(Or Parcel Number)

Michele A. Serrani-Russell
Property Owner (print name)

Michele A. Serrani-Russell 10/2/201
eSigned AXQR-IG @ 4:29 PM EDT
Property Owner (signature)

October 2, 2013
Date

1545528-161F
Document signed electronically; legally binding by federal statute; visit dotloop.com/verify

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/17/13
Receipt #: 85747
Check / Auth #: CHECK 7872
Received By: SADERLW

Amount: 250.00
Tendered: 250.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: HOLLINGSWORTH G D
Attn:
Address: 5406 MILLER LN
Address:
City/State/Zip: RICHARDSON, TX 75082

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen ARLINGTON CHURCH RD		1	250.00	250.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
862.50	95.00	305.00	100.00	1,142.15	

MECKLENBURG COUNTY
Health Department

Note To File

File Number: 4506B

Date : 03/31/2014

Per a file review of the application and improvement permit it was discovered that a partial operation permit had been issued for this site prior to a house being built. The drain lines were installed and inspected 0n 07/20/2001. The new applicant paid the remainder of the fees and a permit was drawn up showing the house location and location of the septic and pump tank. The permit allows the use of the existing septic drain field.

Jeremy Michael, REHS
Environmental Supervisor
Groundwater & Wastewater Services

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 4506B WASPS App #: 6425

Primary ES assigned to project: Brad Hallmark

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 0.3 for original soil evaluation	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/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 ☐

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 ☐

IL 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: AM Date performed: _____

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 #: 30006475 GWS File #: 4506B Tax Parcel #: 139-281-19

- 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):** 10/30/2018

Type of Installation: Residential - New System Lot Number: 3

Structure Type: HOUSE Size (ft^2): 2400 # Bedrooms: 3 # Occupants: 2

Building Foundation: Crawl Space NOTE Lines are Installed Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): 0.30 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (in): 23 Depth of Media (in): N/A Distribution Device: Distribution Box

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

Repair System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): 0.30 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (in): 23 Depth of Media (in): N/A 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: Brad Hallman

Signature:

Date Issued: 10/30/2013

Owner/Legal Agent: ERIC K. GUM
Print Name

Signature:

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 #: 30006475 GWS File #: 4506B

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.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The invert of the sewer pipe exiting the structrue 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.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.

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: Brad Hallman

Signature: _____

Date Issued: 10/30/2013

Owner/Legal Agent: Eric K. Gutt
Print Name

Signature: _____

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 #: **30006475** GWS File #: **4506B** Tax Parcel #: **139-281-19**

- 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):** 10/30/2018

Type of Installation: Residential - New System Lot Number: 3

Structure Type: HOUSE Size (ft^2): 2400 # Bedrooms: 3 # Occupants: 2

Building Foundation: Crawl Space NOTE Lines are Installed Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): 0.30 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (in): 23 Depth of Media (in): N/A Distribution Device: Distribution Box

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

Repair System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): 0.30 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (in): 23 Depth of Media (in): N/A Distribution Device: Distribution Box

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Brad Hallman Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 10/30/2013

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 #: **30006475** GWS File #: **4506B**

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.
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- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The invert of the sewer pipe exiting the structrue 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.
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- 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: Brad Hallman

Signature:_____

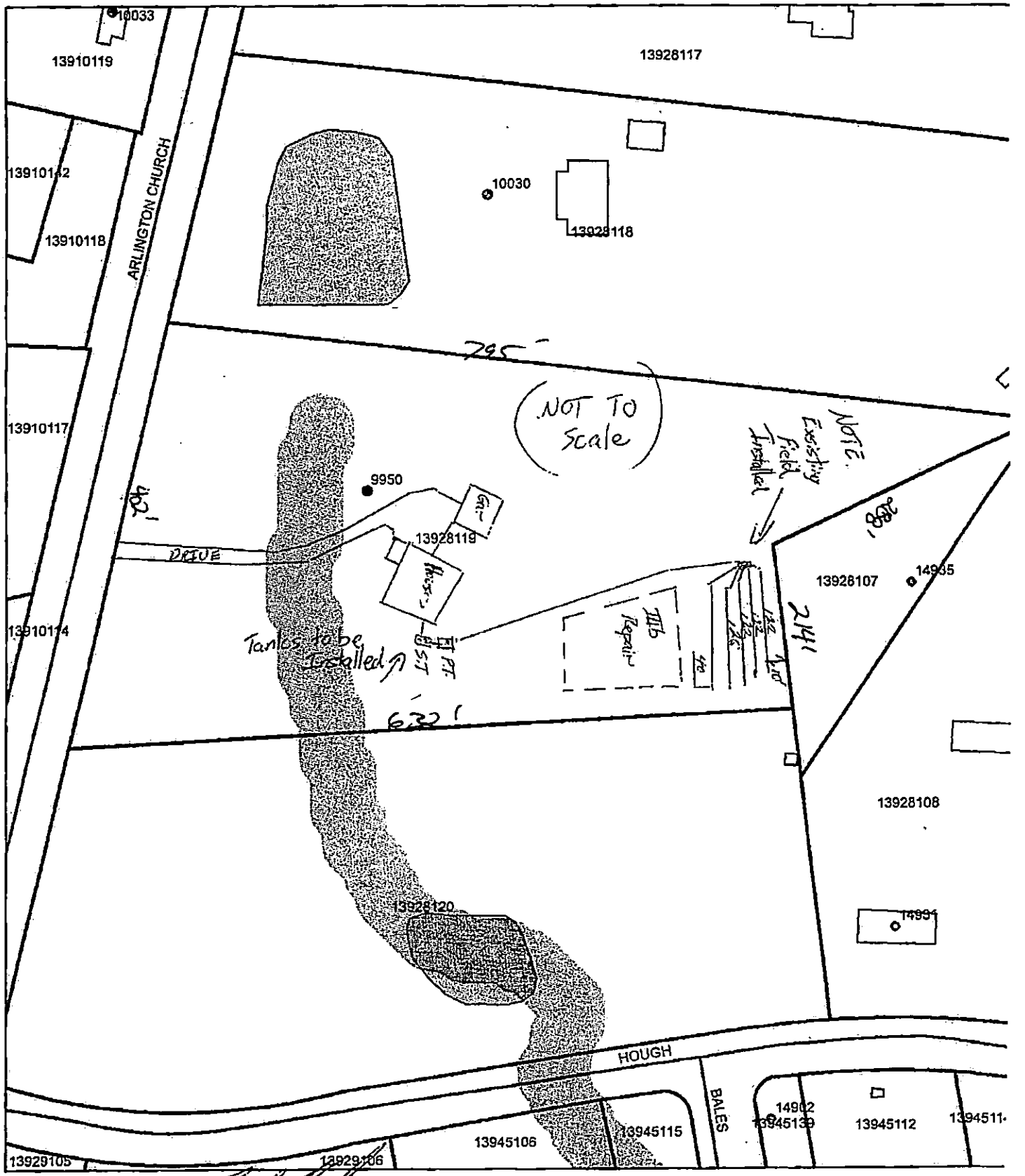
Date Issued: 10/30/2013

Owner/Legal Agent:_____
Print Name

Signature:_____

On Site Wastewater Improvement Permit Diagram

PARCEL #: 139-281-19
WAPSPS APPLICATION #: 6475
FILE # 4506B



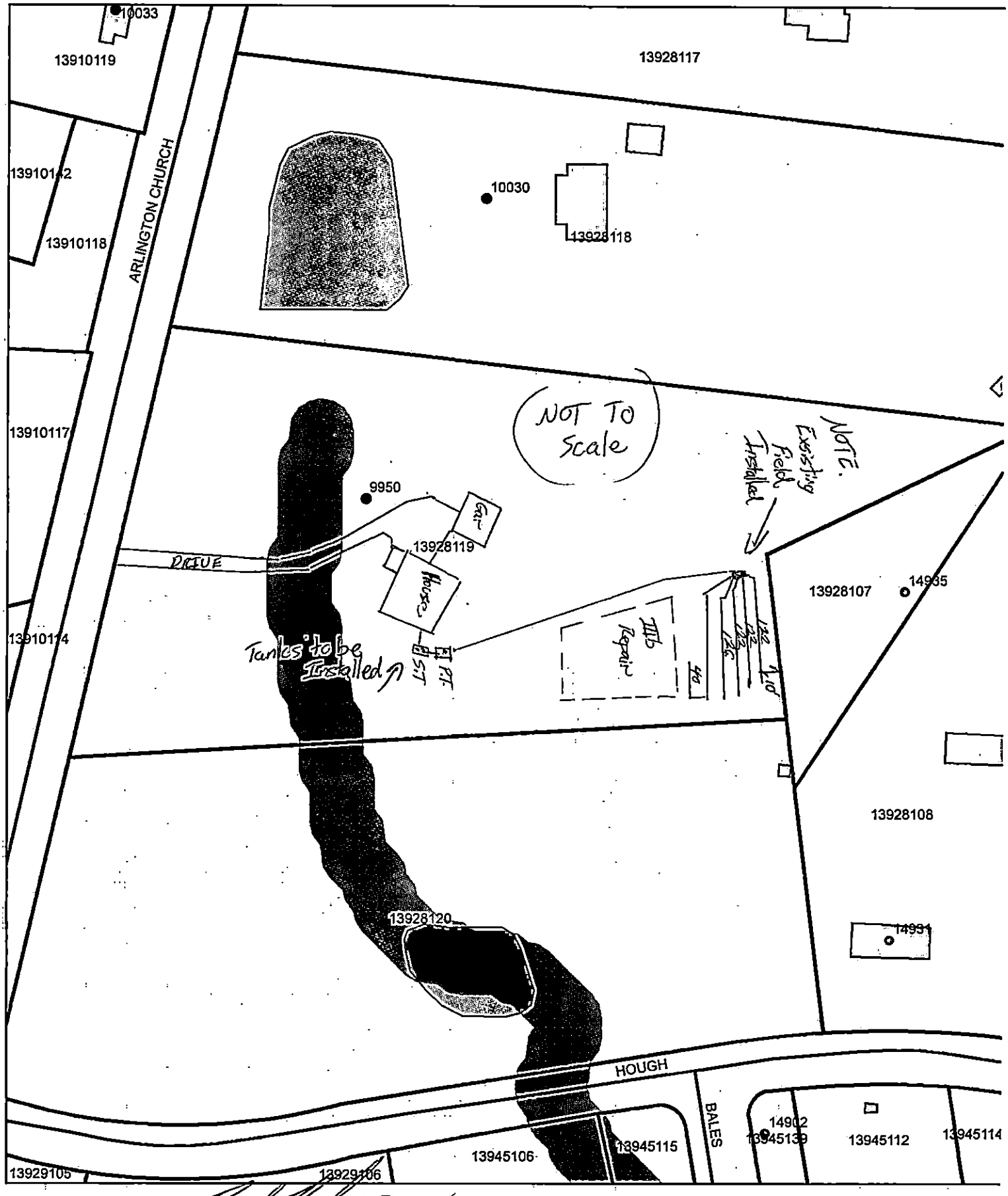
Authorized Agent: _____
Bradley W. Holloway

Owner/Legal Agent: _____
Eric K. Gott

0 25 50 100 150 Feet

On-Site Wastewater Improvement Permit Diagram

PARCEL #: 139-281-19
WAPSPS APPLICATION #: 6475
FILE # 4506B



Authorized Agent: Bradley W. Hollma

0 25 50 100 150 Feet

Owner/Legal Agent: _____

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

Sheet: 1 of 3
Property ID: 139-281-19
Lot #: 3
File #: 4506B
AppID: 6475

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Michelle A. Serrani-Russell
Address: 523 Beaver Dam Ln, Charlotte, NC 28227
Proposed Facility: 3BR House
Design Flow (.1949): 360 GPD
Location of Site: Arlington Church Rd, Mint Hill, NC 28227
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Garald Del Hollingsworth
Date Evaluated: 10/21/2013
Property Size: 5.01 ac
Property Recorded: Unknown

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	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #1	LS 8%	0 - 10 10 - 23 23 - 29	wfsbk SCL wfsbk C wmsbk C	FI SEXP FI SEXP VFI EXP	5Y 7/2 @ 25"	29	NA	NA		US	NA
Boring #2	LS 8%	0 - 9 9 - 23 23 - 48	gr SCL mmsbk C wfabk C	FR SEXP FI SEXP FR SEXP	10YR 7/2 @ 35"	48	NA	PS	saprolite inclusions from 30 - 48"	PS IV 0.25	20"
Boring #3	LS 8%	0 - 15 15 - 29 29 - 46	gr SCL mmsbk C wfsbk C	FR SEXP FI SEXP FR SEXP	10YR 7/2 @ 43"	48	NA	PS	saprolite inclusions from 29 - 46"	PS IV 0.275	31"
Boring #4	LS 6%	0 - 8 8 - 24	wfsbk CL wfsbk SCL	FR SEXP FI SEXP	10YR 7/1 @ 18"	24	NA	NA	saprolite inclusions from 8 - 24"	US	NA
Boring #5	R 3%	0 - 6 6 - 21 21 - 35	wfsbk CL wfsbk C wfsbk SCL	FR SEXP FI SEXP FR SEXP	10YR 7/2 @ 28"	35	NA	PS	saprolite inclusions from 15 - 35"	PS IV 0.25	15" (Need Cover)
Boring #6	R 3%	0 - 6 6 - 13 13 - 35 35 - 44	gr L wfsbk CL wfsbk C wmabk CL	FR SEXP FR SEXP FI SEXP FI SEXP	10YR 7/1 @ 34"	51	NA	PS	saprolite inlcusions from 24 - 44"	PS IV 0.25	21"
Boring #7	LS 5%	0 - 7 7 - 36 36 - 48	gr L mmsbk C wmsbk C	FR SEXP FI SEXP FR SEXP	7.5YR 7/1 @ 45"	48	NA	PS	saprolite inclusions from 36 - 48"	PS IV 0.275	31"

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	IIIg
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Bradley W Hallman
Others Present:



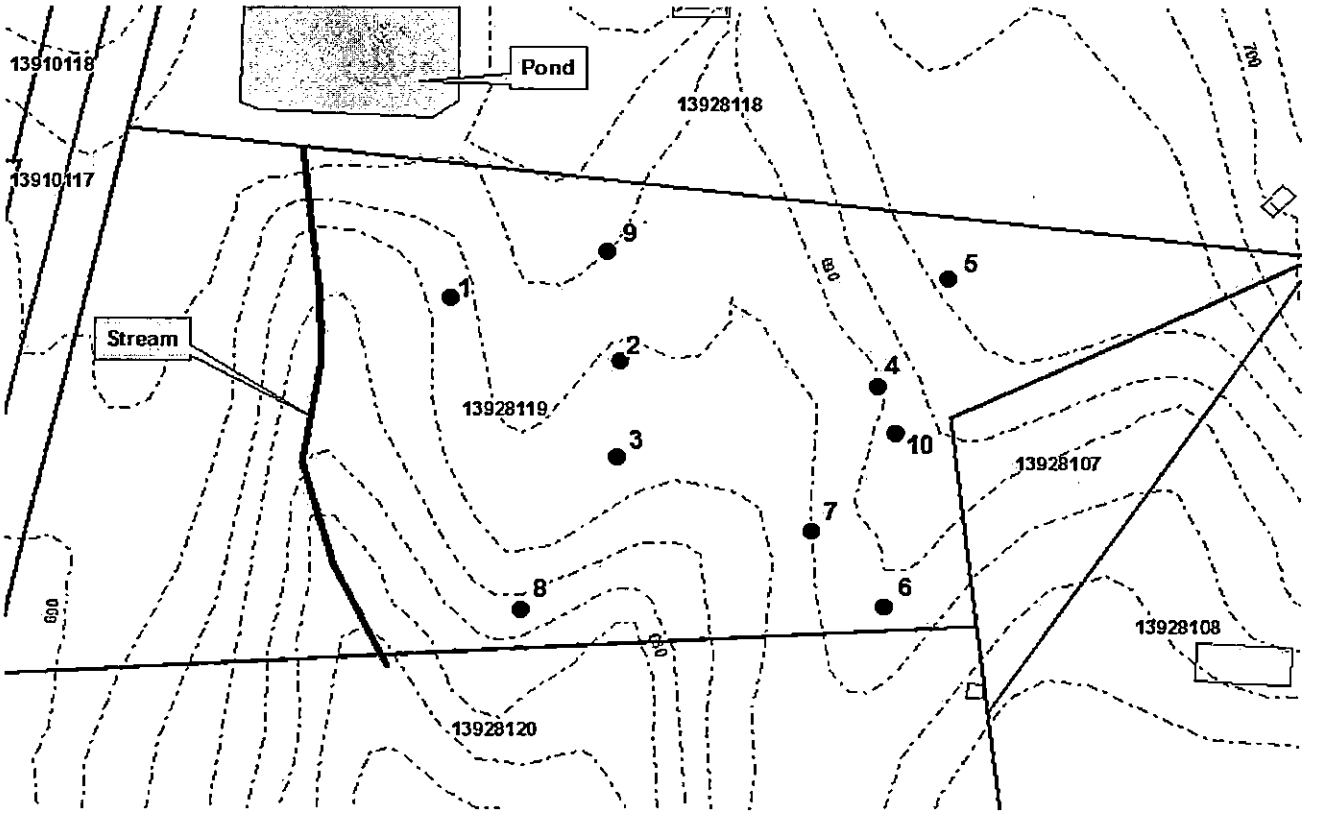
COMMENTS:

Sheet: 3 of 3
File #: 4506B
AppID: 6475

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		mass-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		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				m-moderate
				s-strong
	IV	SC-Sandy Clay	0.4 - 0.1	f-fine
		SiC-Silty Clay		m-medium
		C-Clay		c-coarse

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



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

Sheet: 1 of 3
Property ID: 139-281-19
Lot #: 3
File #: 4506B
AppID: 6475

430 L.F
360@ 25%
(4) 90'

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Michelle A. Serrani-Russell
Address: 523 Beaver Dam Ln, Charlotte, NC 28227
Proposed Facility: 3BR House
Design Flow (.1949): 360 GPD
Location of Site: Arlington Church Rd, Mint Hill, NC 28227
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Garald Del Hollingsworth
Date Evaluated: 10/21/2013
Property Size: 5.01 ac
Property Recorded: Unknown

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941: 1941 Structure/ Texture	1941 Consistence Mineralogy	PROFILE FACTORS: 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #1	LS 8%	0 - 10	wfsbk SCL	FI SEXP							
		10 - 23	wfsbk C	FI SEXP	5Y 7/2	29	NA	NA		US	NA
		23 - 29	wmsbk C	VFI EXP	@ 25"						
Boring #2	LS 8%	0 - 9	gr SCL	FR SEXP						PS IV	
		9 - 23	mmsbk C	FI SEXP	10YR 7/2	48	NA	PS	saprolite inclusions	0.25	20"
		23 - 48	wfabk C	FR SEXP	@ 35"				from 30 - 48"		
Boring #3	LS 8%	0 - 15	gr SCL	FR SEXP						PS IV	
		15 - 29	mmsbk C	FI SEXP	10YR 7/2	48	NA	PS	saprolite inclusions	0.275	31"
		29 - 46	wfsbk C	FR SEXP	@ 43"				from 29 - 46"		
Boring #4	LS 6%	0 - 8	wfsbk CL	FR SEXP	10YR 7/1				saprolite inclusions		
		8 - 24	wfsbk SCL	FI SEXP	@ 18"	24	NA	NA	from 8 - 24"	US	NA
Boring #5	R 3%	0 - 6	wfsbk CL	FR SEXP							
		6 - 21	wfsbk C	FI SEXP	10YR 7/2				saprolite inclusions	PS IV	15"
		21 - 35	wfsbk SCL	FR SEXP	@ 28"	35	NA	PS	from 15 - 35"	0.25	(Need Cover)
Boring #6	R 3%	0 - 6	gr L	FR SEXP							
		6 - 13	wfsbk CL	FR SEXP						PS IV	
		13 - 35	wfsbk C	FI SEXP	10YR 7/1	51	NA	PS	saprolite inlcusions	0.25	21"
		35 - 44	wmabk CL	FI SEXP	@ 34"				from 24 - 44"		
Boring #7	LS 5%	0 - 7	gr L	FR SEXP							
		7 - 36	mmsbk C	FI SEXP	7.5YR 7/1	48	NA	PS	saprolite inclusions	PS IV	
		36 - 48	wmsbk C	FR SEXP	@ 45"				from 36 - 48"	0.275	31"

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

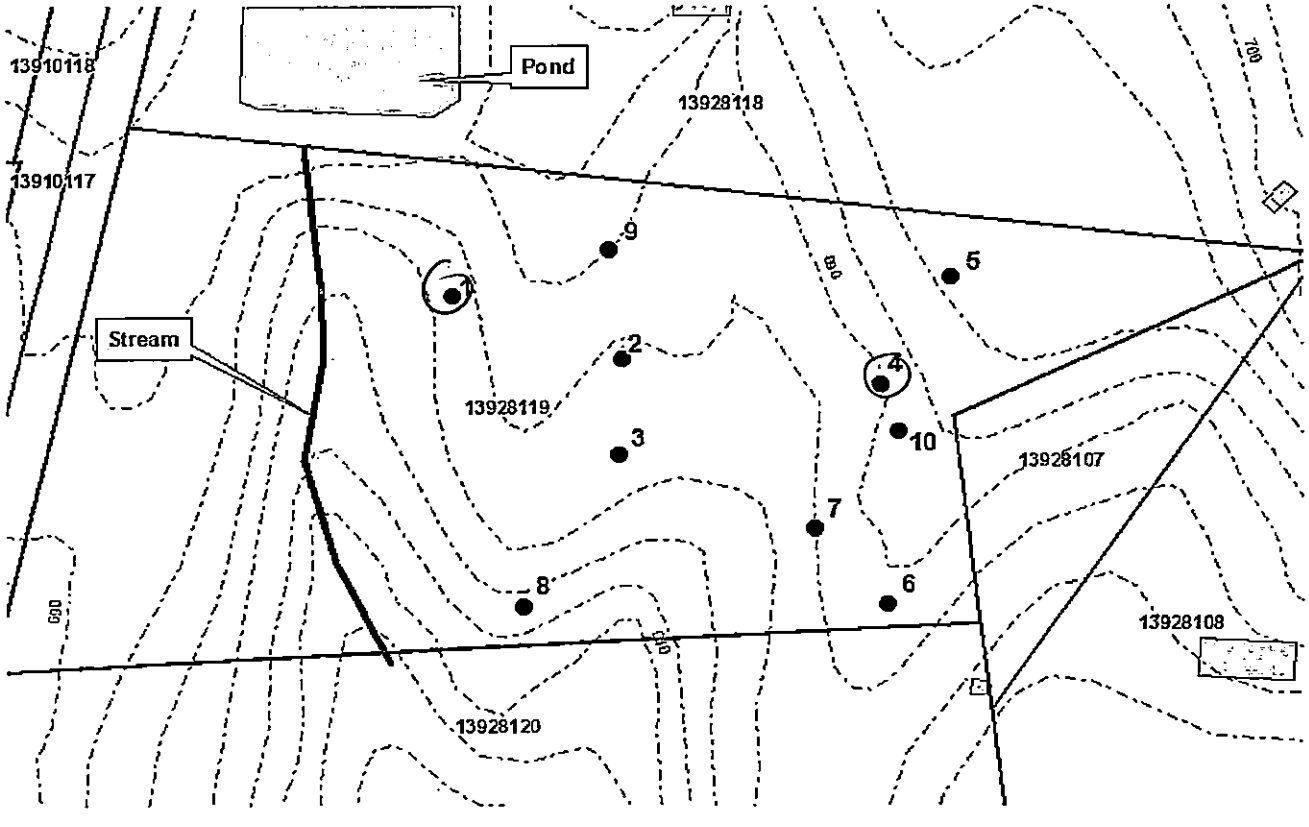
PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN)	SOIL MORPHOLOGY 1941		PROFILE FACTORS b				General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN)	1956 Sapro Class	1944 Restr Horiz			
Boring #8	LS 5%	0 - 6	gr L	FR SEXP	10YR 7/1 @ 37"	42	NA	PS	saprolite inclusions from 20 - 42"	**PS IV 0.25**	**23"**
		6 - 26	wfsbk C	FI SEXP							
		26 - 42	wfsbk SCL	FR SEXP							
Boring #9	LS 5%	0 - 4	gr L	FR SEXP	10YR 7/2 @ 39"	42	NA	PS	saprolite inclusions from 20 - 42" gravelly 0 -18"	**PS IV 0.25**	**25"**
		4 - 28	wfsbk C	FI SEXP							
		28 - 42	wfsbk SCL	FR SEXP							
Boring #10	R 4%	0 - 12	gr L	FR SEXP	>38"	38	NA	PS	saprolite inclusions from 24 - 38"	**PS IV 0.275**	**25"**
		12 - 30	wfsbk C	FI SEXP							
		30 - 38	wfsbk SCL	FR SEXP							
		38	Rock								

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		mass-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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
				m-moderate
		SiL-Silt Loam		s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



THIS IS TO CERTIFY THAT ON THE 6th DAY OF SEPTEMBER 2001, I SURVEYED THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY, ARE AS SHOWN HEREON.

SIGNED _____ REGISTERED SURVEYOR

THIS PROPERTY DOES NOT LIE WITHIN ANY FLOOD-PRONE HAZARD AREA.

NORTH CAROLINA REGISTERED SEAL L-2646 LAND SURVEYOR HUGH E. WHITE, JR.

Old Iron Bent

S 67°51'53" W 288.33'

~RED BRANCH BAPTIST CHURCH CEMETERY~ (NOW OR FORMERLY) DEED: 2095-31

~RONALD P. BELK & wife MARGIE H. BELK~ (NOW OR FORMERLY) DEED: 2095-31

S 03°14'26" E 151.58'

#8 Rebar

#5 Rebar

50' REAR YARD

S 81°55'36" E 795.54'

6' SIDE YARD

TRACT 3
5.011 ACRES

Proposed HOUSE Location

Not to scale

TRACT 2

Proposed Outbuilding Location

Approximate Location of Branch (Scanned from Tax Map)

Proposed Driveway

S 88°24'45" W 632.44'

6' SIDE YARD

TRACT 4

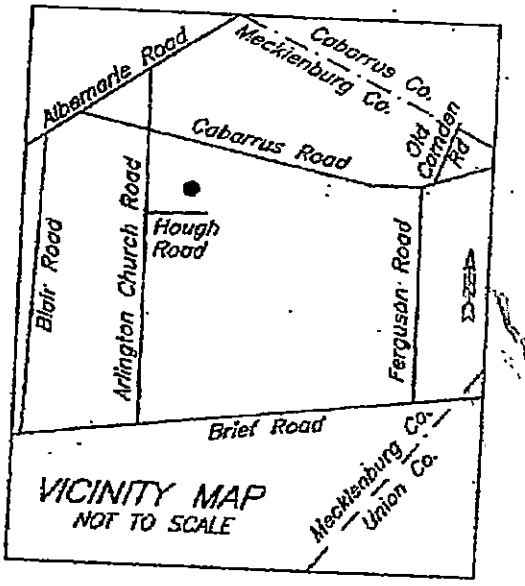
60' SETBACK

#5 Rebar

N 14°49'46" E 402.63'

#5 Rebar

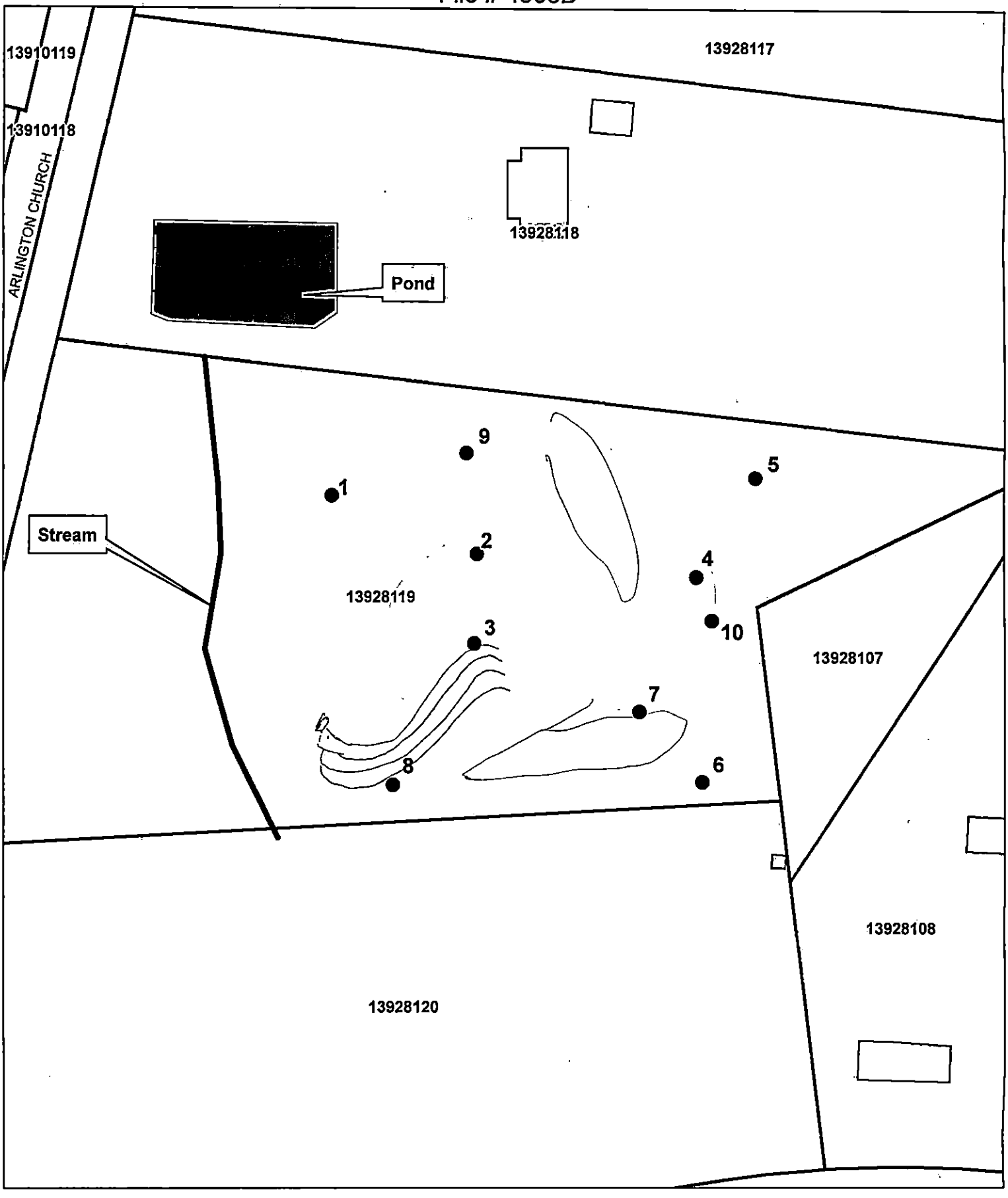
ARLINGTON CHURCH ROAD



VICINITY MAP
NOT TO SCALE

NORTH PER MAP BOOK 18, PAGE 288

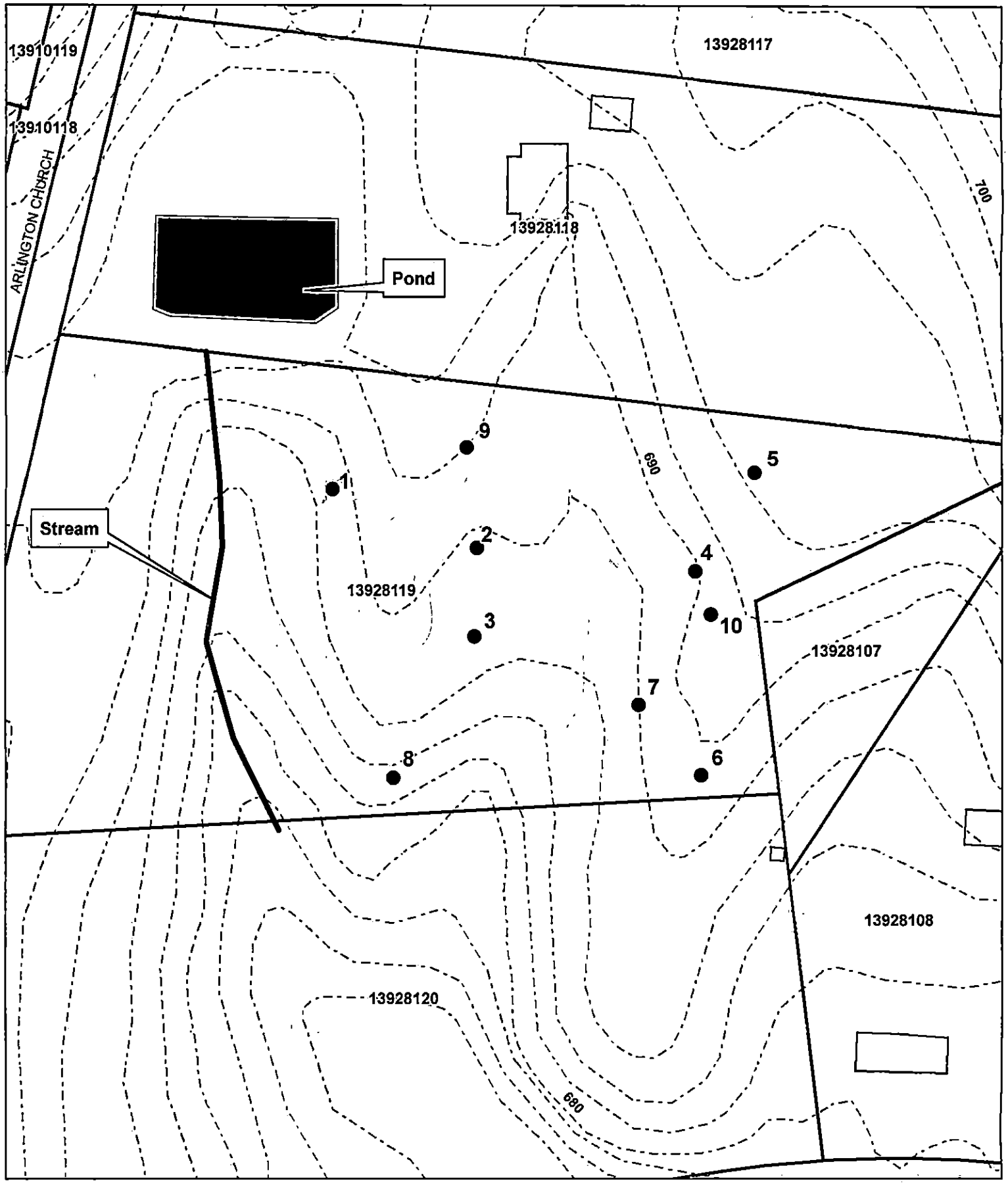
Parcel # 139-281-19
AppID: 6475
File # 4506B



Map Created By:
Map Created On:

0 50 100 Feet

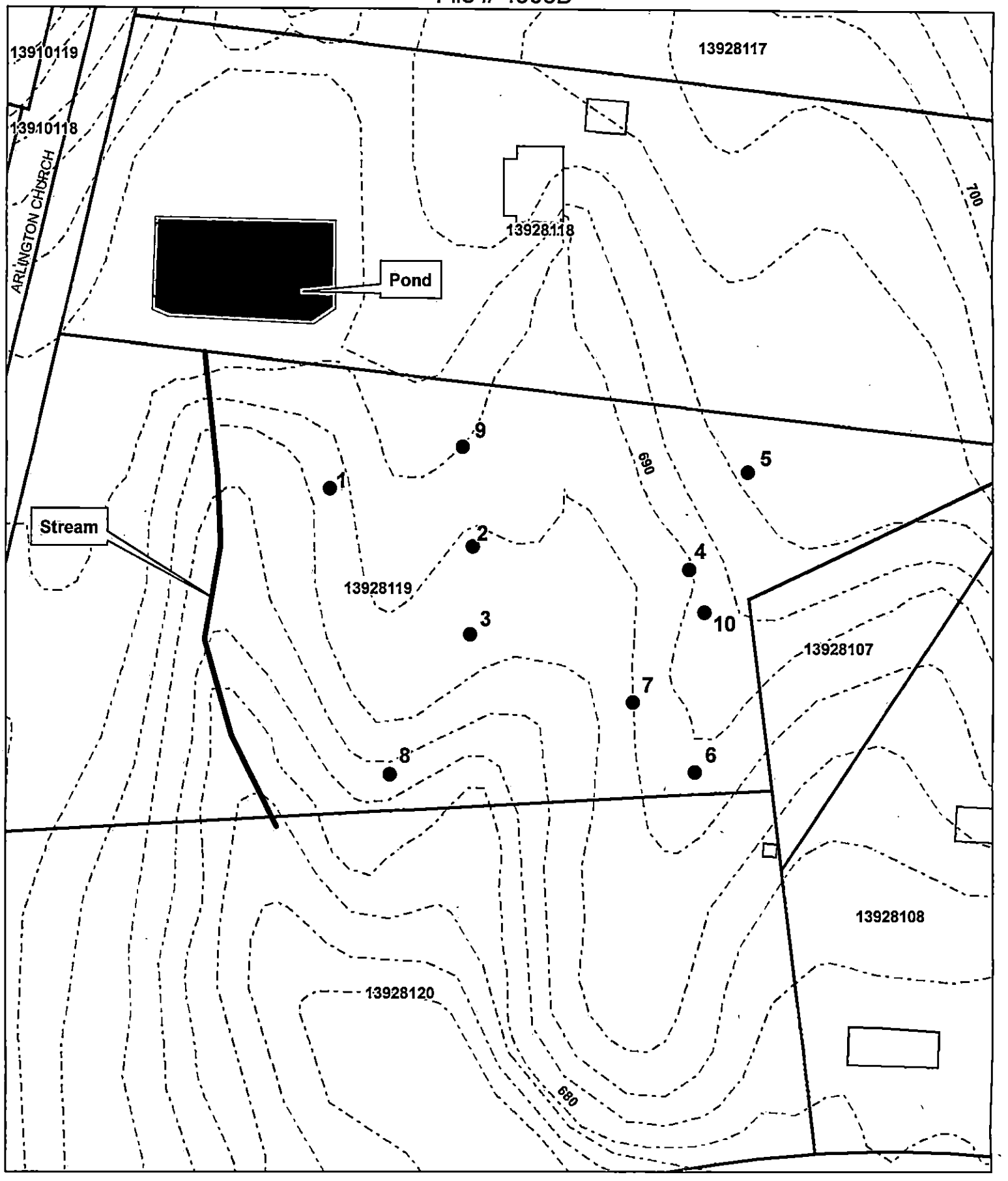
Parcel # 139-281-19
AppID: 6475
File # 4506B



Map Created By:
Map Created On:

0 50 100 Feet

Parcel # 139-281-19
AppID: 6475
File # 4506B



Map Created By:
Map Created On:

0 50 100 Feet

Google

Address **Hough Rd**
Charlotte, NC 28227



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 03/28/14
Receipt #: 88883
Check / Auth #: CHARGE
Received By: SADERLW

Amount: 50.00
Tendered: 50.00
Returned: 0.00

Account Information

Account #: X48517
Contractor: EKG BUILDERS INC
Attn:
Address: P O BOX 77192
Address:
City/State/Zip: CHARLOTTE, NC 28271

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 9950 ARLINGTON CHURCH RD		1	50.00	50.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
50	50				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/28/14	**Amount:**	100.00
Receipt #:	88882	**Tendered:**	100.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: X48517
Contractor: EKG BUILDERS INC
Attn:
Address: P O BOX 77192
Address:
City/State/Zip: CHARLOTTE, NC 28271

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 9950 ARLINGTON CHURCH RD		1	100.00	100.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
100.00					

45063

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App #6475

COPY

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: 139-281-19 (LR-M35-379)
STREET ADDRESS: Tract 3, Arlington Church Rd.
CITY: Mint Hill
STATE: NC ZIP: 28227
SUBDIVISION NAME: Arlington Acres
LOT #: 3 LOT SIZE (acres): 5.01

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: 2,400
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 2

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:** ____ 1 ____ ____ ____ ____

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?** 12/4/13 ☐ N/A

12. **PROPERTY OWNER:**

NAME: Michele A. Serrani-Russell
ADDRESS: 523 Beaver Dam LN
CITY: CHARLOTTE
STATE: NC ZIP: 28227
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

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

NAME: Garald Del Hollingsworth
ADDRESS: 5406 Miller Lane
CITY: Richardson
STATE: TX ZIP: 75082
WORK PHONE: (469) 644-2060
MOBILE PHONE: (469) 644-2060
FAX: _____
E-MAIL: gdelh1963@tx.rr.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.

_____ (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.

_____ Oct 14, 2013

Property Owner's or Owner's Legal Representative Signature — 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: 10/17/13

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

APPLICATION PROCESSED BY: Dws

GWS FILE NUMBER ASSIGNED: 4506 B

APPLICATION ID NUMBER ASSIGNED: 10475

COMMENTS:

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

File #: _____

PROPOSED PLOT PLAN

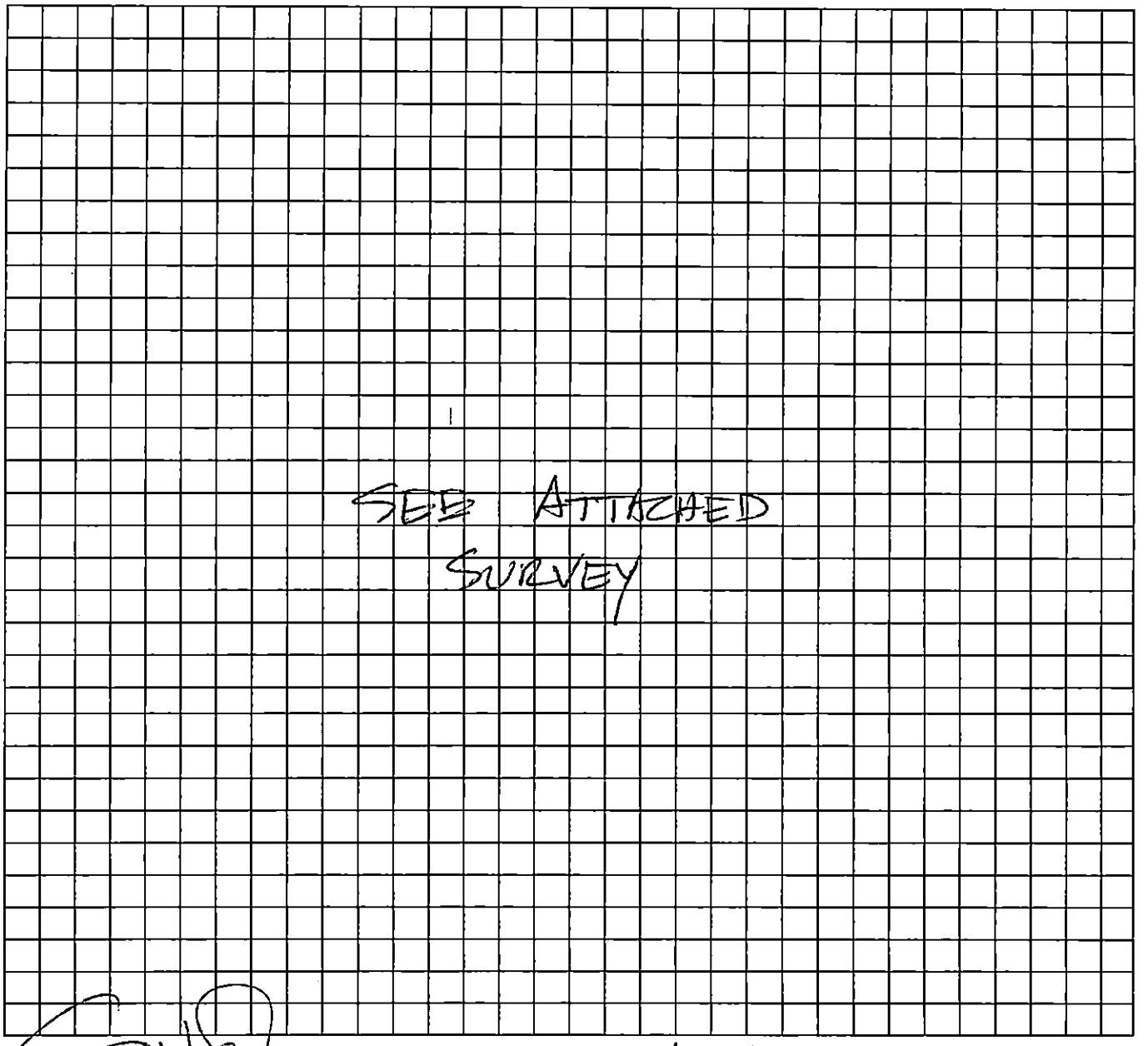
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), 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: Tract 3, Arlington Church Rd., Mint Hill NC 2

Tax Parcel #: 139-281-19

Subdivision Name: Arlington Acres

Lot #: 3 (L3-M35-379)



Property Owner's or Owner's Legal Representative Signature

Oct 14, 2013
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

THIS IS TO CERTIFY THAT ON THE 6th DAY OF SEPTEMBER 2001, I SURVEYED THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY, ARE AS SHOWN HEREON.

SIGNED _____
REGISTERED SURVEYOR

THIS PROPERTY DOES NOT LIE WITHIN ANY FLOOD-PRONE HAZARD AREA.

NORTH CAROLINA REGISTERED SEAL L-2648 LAND SURVEYOR HUGH E. WHITE, JR.

Old Iron Bent

~RONALD P. BELK & wife MARGIE H. BELK~ (NOW OR FORMERLY) DEED: 2095-31

~RED BRANCH BAPTIST CHURCH CEMETERY~ (NOW OR FORMERLY) DEED: 2095-31

S 67°51'53" W 288.33'

S 03°14'26" E 151.58'

#5 Rebar

#8 Rebar

50' REAR YARD

S 81°55'36" E 795.54'

6' SIDE YARD

S 88°24'45" W 632.44'

6' SIDE YARD

TRACT 3
5.011 ACRES

TRACT 2

TRACT 4

Approximate Location of Branch (Scanned from Tax Map)

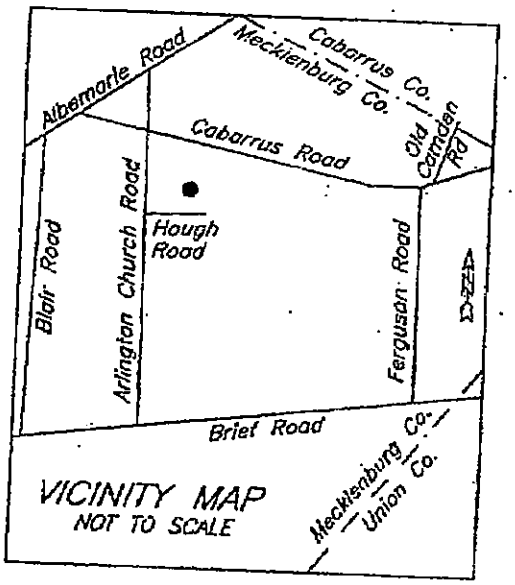
60' SETBACK

#5 Rebar

← N 14°49'46" E 402.63' →

#5 Rebar

ARLINGTON CHURCH ROAD



NORTH PER MAP BOOK 18, PAGE 288

Polaris 3G Map – Mecklenburg County, North Carolina

Date Printed: 9/12/2013 3:16:53 PM



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.

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

Sheet: 1 of 3
Property ID: 139-281-19
Lot #: 3
File #: 4506B
AppID: 6475

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Michelle A. Serrani-Russell
Address: 523 Beaver Dam Ln, Charlotte, NC 28227
Proposed Facility: 3BR House
Design Flow (.1949): 360 GPD
Location of Site: Arlington Church Rd, Mint Hill, NC 28227
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Garald Del Hollingsworth
Date Evaluated: 10/21/2013
Property Size: 5.01 ac
Property Recorded: Unknown

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	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #1	LS 8%	0 - 10	wfsbk SCL	FI SEXP							
		10 - 23	wfsbk C	FI SEXP	5Y 7/2	29	NA	NA		US	NA
		23 - 29	wmsbk C	VFI EXP	@ 25"						
Boring #2	LS 8%	0 - 9	gr SCL	FR SEXP						PS IV	
		9 - 23	mmsbk C	FI SEXP	10YR 7/2	48	NA	PS	saprolite inclusions	0.25	20"
		23 - 48	wfabk C	FR SEXP	@ 35"				from 30 - 48"		
Boring #3	LS 8%	0 - 15	gr SCL	FR SEXP						PS IV	
		15 - 29	mmsbk C	FI SEXP	10YR 7/2	48	NA	PS	saprolite inclusions	0.275	31"
		29 - 46	wfsbk C	FR SEXP	@ 43"				from 29 - 46"		
Boring #4	LS 6%	0 - 8	wfsbk CL	FR SEXP	10YR 7/1				saprolite inclusions		
		8 - 24	wfsbk SCL	FI SEXP	@ 18"	24	NA	NA	from 8 - 24"	US	NA
Boring #5	R 3%	0 - 6	wfsbk CL	FR SEXP							
		6 - 21	wfsbk C	FI SEXP	10YR 7/2				saprolite inclusions	PS IV	15"
		21 - 35	wfsbk SCL	FR SEXP	@ 28"	35	NA	PS	from 15 - 35"	0.25	(Need Cover)
Boring #6	R 3%	0 - 6	gr L	FR SEXP							
		6 - 13	wfsbk CL	FR SEXP						PS IV	
		13 - 35	wfsbk C	FI SEXP	10YR 7/1	51	NA	PS	saprolite inlcusions	0.25	21"
		35 - 44	wmabk CL	FI SEXP	@ 34"				from 24 - 44"		
Boring #7	LS 5%	0 - 7	gr L	FR SEXP							
		7 - 36	mmsbk C	FI SEXP	7.5YR 7/1	48	NA	PS	saprolite inclusions	PS IV	
		36 - 48	wmsbk C	FR SEXP	@ 45"				from 36 - 48"	0.275	31"

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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

Sheet: 2 of 3
File #: 4506B
App ID: 6475

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	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #8	LS 5%	0 - 6	gr L	FR SEXP							
		6 - 26	wfsbk C	FI SEXP	10YR 7/1	42	NA	PS	saprolite inclusions	PS IV	23"
		26 - 42	wfsbk SCL	FR SEXP	@ 37"				from 20 - 42"	0.25	
Boring #9	LS 5%	0 - 4	gr L	FR SEXP							
		4 - 28	wfsbk C	FI SEXP	10YR 7/2	42	NA	PS	saprolite inclusions	PS IV	25"
		28 - 42	wfsbk SCL	FR SEXP	@ 39"				from 20 - 42"	0.25	
									gravelly 0 -18"		
Boring #10	R 4%	0 - 12	gr L	FR SEXP						PS IV	
		12 - 30	wfsbk C	FI SEXP	>38"	38	NA	PS	saprolite inclusions	0.275	25"
		30 - 38	wfsbk SCL	FR SEXP					from 24 - 38"		
		38	Rock								

COMMENTS:

Sheet: 3 of 3
File #: 4506B
AppID: 6475

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		mass-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		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

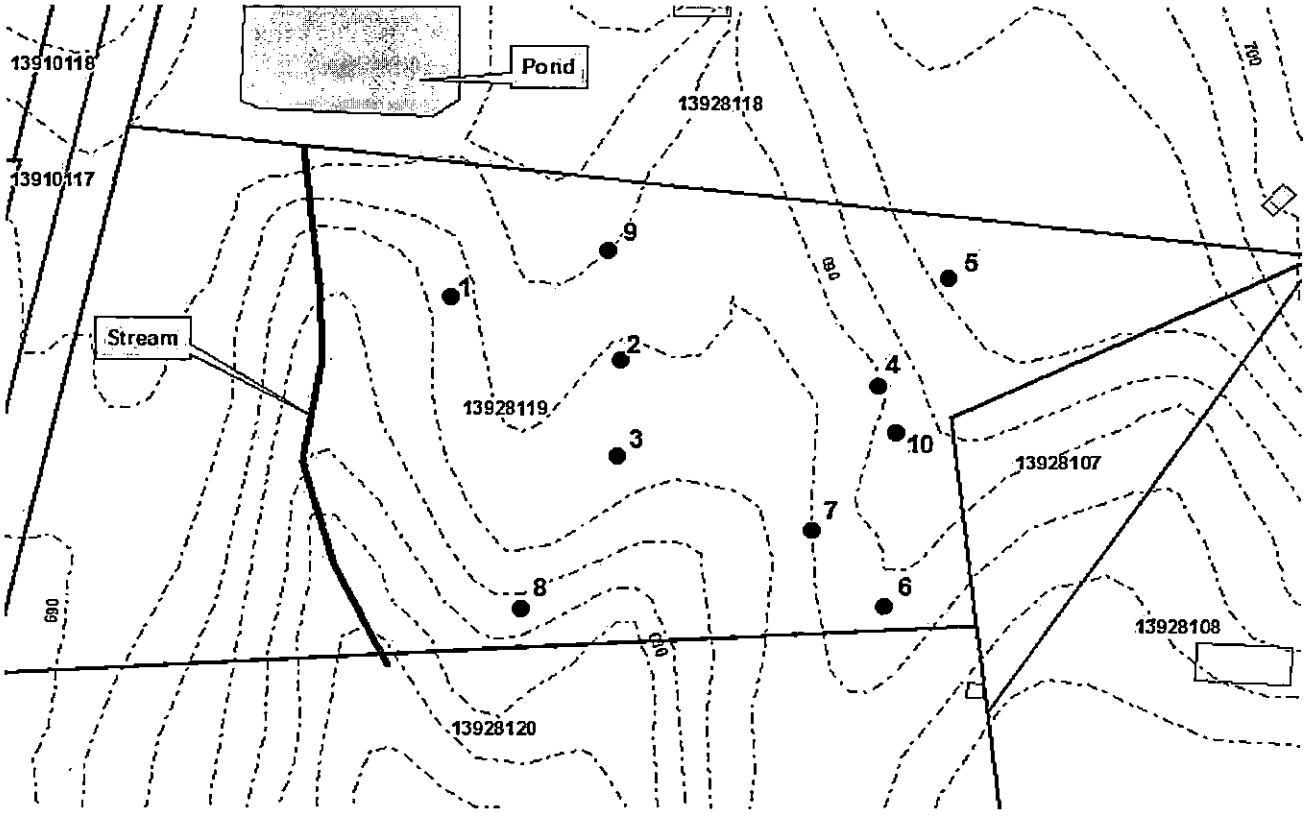
Consistence
Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

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 #: **30006475** GWS File #: **4506B** Tax Parcel #: **139-281-19**

- 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):** 10/30/2018

Type of Installation: Residential - New System Lot Number: 3

Structure Type: HOUSE Size (ft^2): 2400 # Bedrooms: 3 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Municipal

II. Initial System Type: Approved **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	23	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

III. Repair System Type: Approved **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	23	Depth of Media (in):	N/A	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: Brad Hallman Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 10/30/2013

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 #: **30006475** GWS File #: **4506B**

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 waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The invert of the sewer pipe exiting the structrue 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.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.

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:

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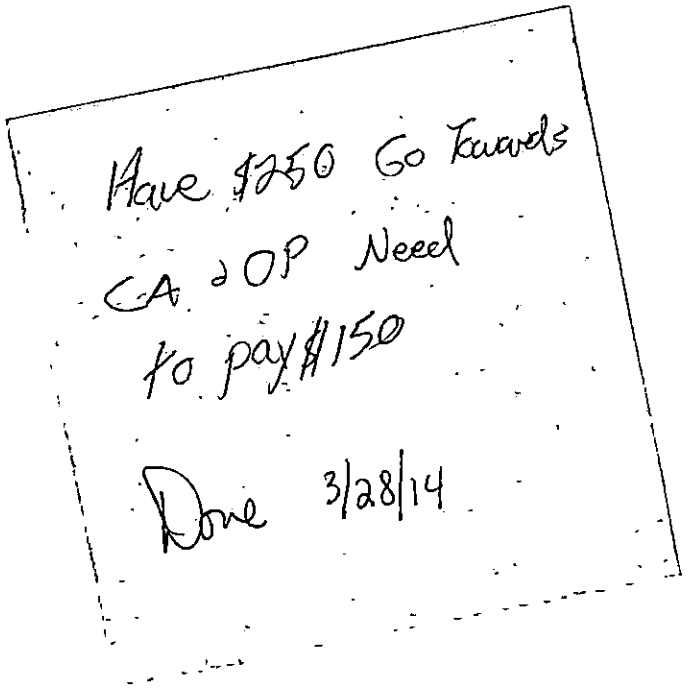
DENR Authorized Agent: Brad Hallman

Signature: _____

Date Issued: 10/30/2013

Owner/Legal Agent: _____
Print Name

Signature: _____


Have $250 Go Towards
CA + OP Need
to pay $150
Done 3/28/14