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 #: 20983 Permit #: 6508 Tax Parcel #: 001-452-10

Property Owner: CHRIS & Michelle McKay

Job Location Address: 15817 North Point Road

City: Huntersville State: NC Zip Code: 28078

**Operation Permit Issuance Date:** 10/23/14 Contractor Name: Wally CHRISTENBURY

Permitted Design Flow: 480 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: Gauds 1/2

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 3 @ 133 feet

Depth of Media: 12 inches (Type) IQ4W

Depth of Cover: 12 inches

Distribution Device: P. MANIFOLD

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: 75' feet

Distance from Property Line: 710' feet

Distance from Water Supply Source: >100' feet

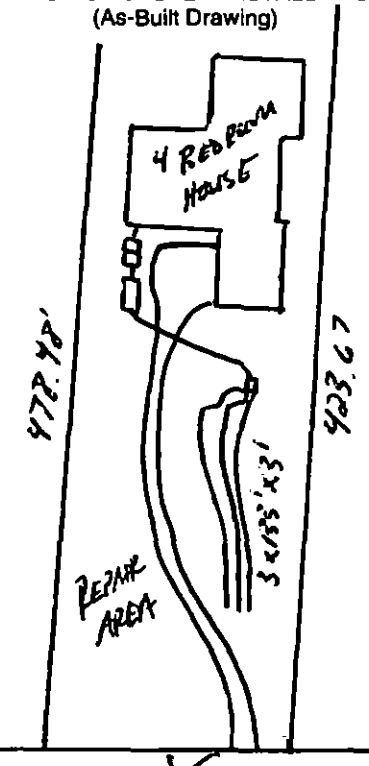
Inspection Dates

Tank(s) Inspected: 10/23/14

Excavation Inspected: 10/23/14

Pump & Controls Inspected: 10/23/14

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)




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: IIIb, IQ4W, PRESSURE, NA, NA

* RECOMMEND A BARRIER AROUND THE TANKS TO PROTECT FROM VEHICLES

DENR Authorized Agent: Jeremy Mickelson, REHS Signature: Jeremy Mickelson, REHS

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 #: 20983 Permit #: 6508 Tax Parcel #: 001-452-10

Property Owner: Chris & Michelle Mckay

Job Location Address: 15817 North Point Road

City: Huntersville State: NC Zip Code: 28078

**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: III6

*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: Recommend a barrier around the tanks to protect from vehicular traffic

DENR Authorized Agent: Jeremy Mitchell, REHS Date: 10/23/14

Signature: Jeremy Mitchell, REHS

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

# INSTALLATION APPROVAL for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 20983 Permit #: 6508 Tax Parcel #: 001-452-10

Property Owner: CHRIS & MICHELLE MCKOY

Job Location Address: 15817 NORTH POINTE ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

**Installation Approval Issuance Date:** 10/22/14

Permission is hereby given to ☒ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application *information submitted to our office. All work shall be completed on or before* _____, *after which date this approval shall* be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

*Permitted Design Flow:* 480 GPD — Site LTAR: 0.3 GPD/ft² *(For new installations only.)*

Liquid Capacity of Septic Tank: 1500 gallons — Liquid Capacity of Dosing Tank: 1000 gallons

*Drainfield Design* ☐ N/A

Trench Depth: 24-30 inches

Trench Width: 3 feet

*Line Spacing:* 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 3 @ 133 feet

Depth of Media: 12 inches (Type) 25% Rock

Distribution Device: P. ARMSTRONG

Bed Design *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☒ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

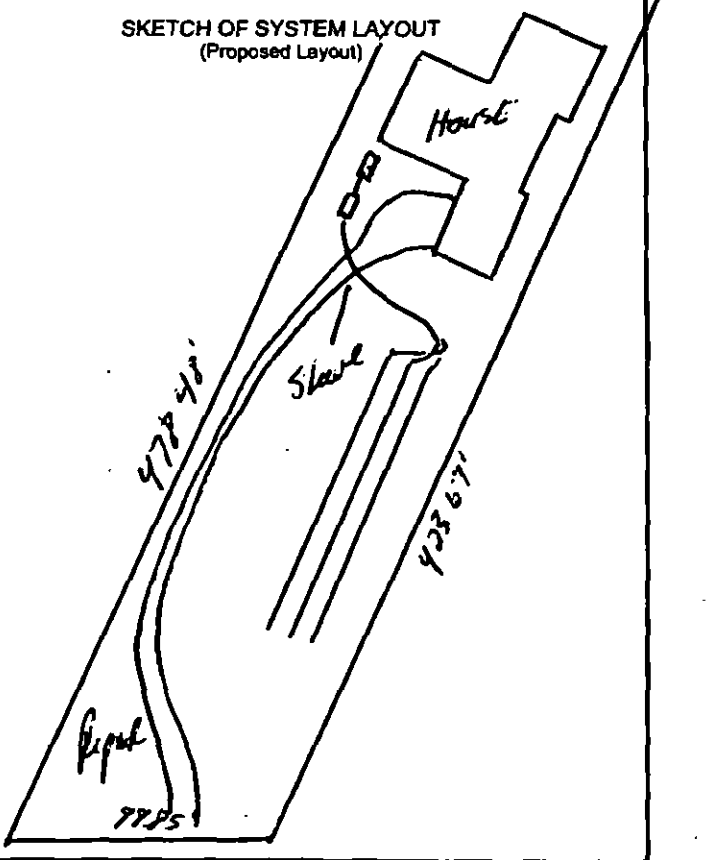
Minimum System Setbacks

Distance from Building Foundation: 75' feet

Distance from Property Line: 710' feet

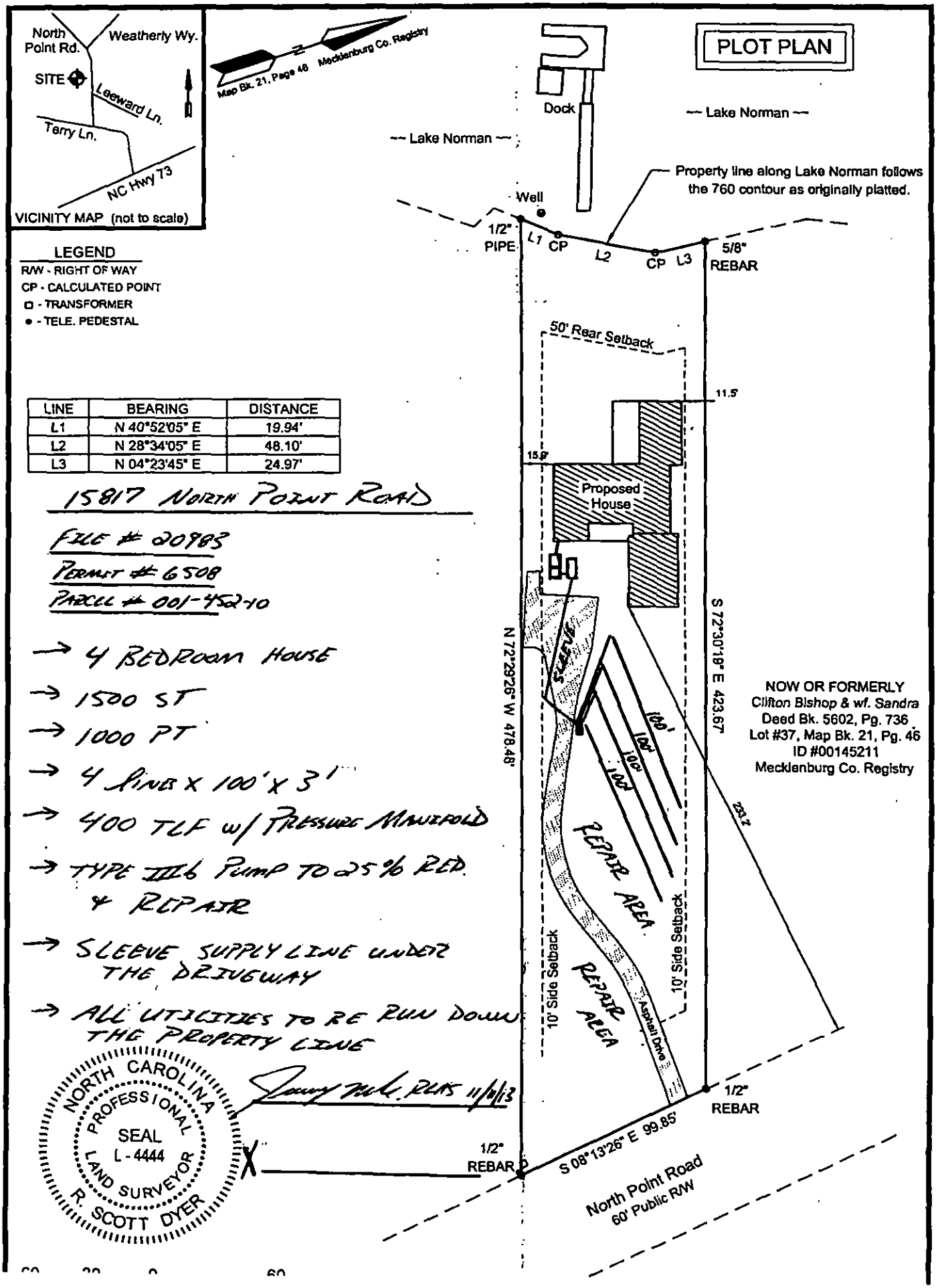
Distance from Water Supply Source: >100' feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)




Comments: System Classification & Type: III-b Pump to 25% Rock.

DENR Authorized Agent: Jonny Mecklenburg Ricks Signature: Jonny Mecklenburg Ricks


PLOT PLAN
North Point Rd.
Weatherly Wy.
SITE
Leeward Ln.
Terry Ln.
NC Hwy 73
VICINITY MAP (not to scale)
Map Bk. 21, Page 46 Mecklenburg Co. Registry
Dock
Lake Norman
Lake Norman
Property line along Lake Norman follows the 760 contour as originally platted.
Well
1/2" PIPE
L1
CP
L2
CP
L3
5/8" REBAR
LEGEND
R/W - RIGHT OF WAY
CP - CALCULATED POINT
- TRANSFORMER
- TELE. PEDESTAL
50' Rear Setback
11.5'
15.8'
Proposed House
LINE | BEARING | DISTANCE
L1 | N 40°52'05" E | 19.94'
L2 | N 28°34'05" E | 48.10'
L3 | N 04°23'45" E | 24.97'
15817 North Point Road
File # 20983
Permit # 6508
Parcel # 001-452-10
→ 4 Bedroom House
→ 1500 SF
→ 1000 PF
→ 4 Lines x 100' x 3'
→ 400 LF w/ Pressure Manifold
→ Type III b Pump to 25% Red. & Repair
→ Sleeve supply line under the driveway
→ All utilities to be run down the property line
N 72°29'26" W 478.48'
Sleeve
S 72°30'18" E 423.67'
100'
100'
100'
233.7'
Repair Area
Repair Area
10' Side Setback
10' Side Setback
Asphalt Drive
NOW OR FORMERLY
Clifton Bishop & wf. Sandra
Deed Bk. 5602, Pg. 736
Lot #37, Map Bk. 21, Pg. 46
ID #00145211
Mecklenburg Co. Registry
1/2" REBAR
S 08°13'26" E 99.85'
1/2" REBAR
North Point Road
60' Public R/W
NORTH CAROLINA PROFESSIONAL SEAL L-4444 LAND SURVEYOR R. SCOTT DYER
11/6/13

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 #: 30006508 GWS File #: 20983 Tax Parcel #: 001-452-10

- 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):** 11/11/2018

Type of Installation: Residential - New System Lot Number: 38

Structure Type: HOUSE Size ($ft^2$): 4567 # Bedrooms: 4 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

*Design Flow (gpd):* 480 *LTAR ($gpd/ft^2$):* 0.3 *Septic Tank Size (gal):* 1500 *Pump Tank Size (gal):* 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area ($ft^2$): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 30 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 ($gpd/ft^2$): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area ($ft^2$): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 30 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 2015 Signature: _____

Date Issued: 11/11/2013

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 #: 30006508 GWS File #: 20983

***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 waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The supply pipe shall be installed with a minimum of 30" of compacted cover over the pipe or properly sleeved under areas that are subject to vehicular traffic.
- 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.

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: 11/11/2013

FEE: 200.00
DATE: 12/9/2013

# CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

**MECKLENBURG COUNTY**
**GROUNDWATER & WASTEWATER SERVICES**

**FILE NUMBER:** 20983

***PERMIT NUMBER:*** *30006508*

**PARCEL NUMBER:** 00145210

**JOB LOCATION INFORMATION**

**ADDRESS:** 15817 NORTH POINT RD

**CITY:** HUNTERSVILLE **STATE: NC** **ZIP:** 28078

**ISSUED TO:** Chris & Michelle McKoy

**CONSTRUCTION AUTHORIZATION ISSUANCE DATE:** 11/11/2013

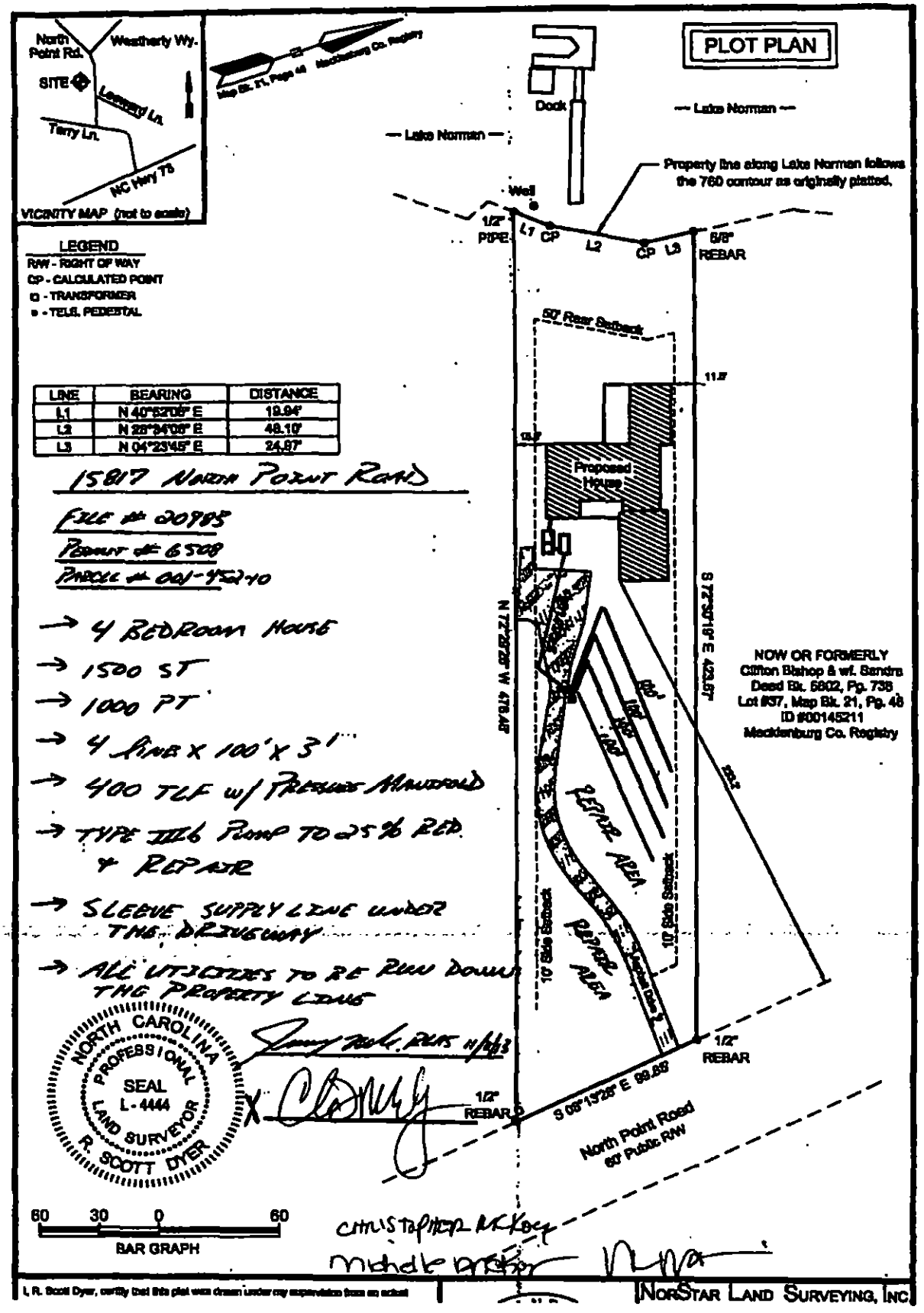
## CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30006508, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 11/11/2018


PLOT PLAN
North Point Rd.
Weatherly Wy.
SITE
Lennery Ln.
Terry Ln.
NC Hwy 73
VICINITY MAP (not to scale)
LEGEND
RW - RIGHT OF WAY
CP - CALCULATED POINT
T - TRANSFORMER
- TELE. PEDESTAL
Dock
— Lake Norman —
Property line along Lake Norman follows the 760 contour as originally platted.
Well
1/2" PIPE
L1
CP
L2
CP
L3
5/8" REBAR
50' Rear Setback
11.5'
13.7'
Proposed House
LINE | BEARING | DISTANCE
L1 | N 40°52'05" E | 19.94'
L2 | N 28°34'05" E | 48.10'
L3 | N 04°23'45" E | 24.97'
15817 North Point Road
File # 20985
Permit # 6508
Parcel # 001-452-10
→ 4 Bedroom House
→ 1500 SF
→ 1000 PT
→ 4 Line x 100' x 3'
→ 400 TLF w/ Pressure Manifold
→ Type III b Pump to 25% Red. & Repair
→ Sleeve supply line under the driveway
→ All utilities to be run down the property line
N 72°20'28" W 476.48'
S 72°30'19" E 423.67'
NOW OR FORMERLY
Clifton Bishop & wf. Sandra
Deed Bk. 5802, Pg. 736
Lot 837, Map Bk. 21, Pg. 48
ID #00145211
Mecklenburg Co. Registry
Repair Area
Repair Area
10' Side Setback
10' Side Setback
1/2" REBAR
1/2" REBAR
S 05°15'25" E 99.88'
North Point Road
60' Public R/W
NORTH CAROLINA PROFESSIONAL SEAL L-4444 LAND SURVEYOR R. SCOTT DYER
60 30 0 60
BAR GRAPH
Christopher McKay
Michele Arthur
I, R. Scott Dyer, certify that this plat was drawn under my supervision from an actual
NorStar Land Surveying, Inc.

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-5894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30006808 GWS File #: 20883 Tax Parcel #: 001-452-10

- 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):** 11/11/2018

Type of Installation: Residential - New System Lot Number: 38

Structure Type: HOUSE Size (ft²): 4567 # Bedrooms: 4 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft²): 0.8 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft²): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 30 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/ft²): 0.8 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft²): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 30 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: CHRISTOPHER MCKay Michelle mckay
(Print Name)

Signature: Jeremy Michelone 11/11/2013 Signature:

Date Issued: 11/11/2013

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-5894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30006508 GWS File #: 20883

**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 waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The supply pipe shall be installed with a minimum of 30" of compacted cover over the pipe or properly sleeved under areas that are subject to vehicular traffic.
- 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.

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 Michelone RS
Date Issued: 11/11/2013

Owner/Legal Agent: Christopher McKay/Michelle McKay
Print Name
Signature:

Page 2 of 2

20983

**MECKLENBURG COUNTY HEALTH DEPARTMENT** Rpp # 6508

**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:** O N/A ☒ NEW SYSTEM O ALTERATION O REPAIR O MODIFIED PLOT PLAN

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

3. **JOB LOCATION INFORMATION:**

TAX PARCEL NUMBER: 00145210

STREET ADDRESS: 15817 North Point Road

CITY: Huntersville

STATE: NC ZIP: 28078

SUBDIVISION NAME: Lookout Point

LOT #: 038 LOT SIZE (acres): _____

*TOWNSHIP:*

O MECKLENBURG O CORNELIUS ☒ HUNTERSVILLE

O DAVIDSON O CHARLOTTE O PINEVILLE

O MATTHEWS O MINT HILL

4. **BUILDING INFORMATION:**

BUILDING TYPE:

O SINGLE MOBILE HOME O MODULAR HOME

O DOUBLE WIDE O MULTIPLE FAMILY

☒ HOUSE O OTHER _____

HEATED SQUARE FOOTAGE: 4567

NUMBER OF BEDROOMS: 4

*NUMBER OF OCCUPANTS:* 2

FOUNDATION TYPE:

O CONCRETE SLAB O BASEMENT WITH PLUMBING

☒ CRAWL SPACE O 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 O PRIVATE WELL O PUBLIC WELL O SHARED WELL O OTHER _____

7. **PROPOSED USE OF WELL:** O N/A O IRRIGATION O POTABLE (DRINKING WATER) O 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:** 2 4 1 3 ___

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

| | | | |
|---|---|---|---|
| BURIED CABLES, LANDFILLS, STUMPHOLES | O YES ☒ NO | GRADING/SOIL REMOVAL PERFORMED | O YES ☒ NO |
| EXISTING WASTEWATER (SEPTIC) SYSTEMS | ☒ YES O NO | JURISDICTIONAL WETLANDS | O YES ☒ NO |
| WELLS, SPRINGS, OR WATER LINES | ☒ YES O NO | APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY | O YES ☒ NO |
| EASEMENTS OR RIGHT-OF-WAYS | O YES ☒ NO | WASTEWATER OTHER THAN DOMESTIC SEWAGE | O YES ☒ NO |
| CHEMICAL/PETROLEUM STORAGE TANKS | O YES ☒ NO | KNOWN UNDERGROUND CONTAMINATION | O YES ☒ NO |
| WASTE STORAGE | O YES ☒ NO | GROUNDWATER USE RESTRICTIONS/VARIANCES | O YES ☒ NO |

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** 08.22.86 ☐ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** 10.17.13 ☐ N/A

12. **PROPERTY OWNER:**

NAME: Chris & Michelle McKoy

ADDRESS: 46516 Sierra View Drive

CITY: Denver

STATE: NC ZIP: 28037

WORK PHONE: 704 483 2379

MOBILE PHONE: 704 483 2040

FAX: _____

E-MAIL: ctmckoy@gmail.com

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

NAME: _____

ADDRESS: _____

CITY: _____

STATE: _____ ZIP: _____

WORK PHONE: _____

MOBILE PHONE: _____

FAX: _____

E-MAIL: _____



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.

_____ 10-30-2013

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: 11/4/13

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

APPLICATION PROCESSED BY: lwz

GWS FILE NUMBER ASSIGNED: 20483

APPLICATION ID NUMBER ASSIGNED: 6508

COMMENTS:



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



Oct 30 13 09:41a UGG Australia 704-483-4129 p.2

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

Sheet: 1 of 2
Property ID: 001-452-10
Lot #: 38
File #: 20983
AppID: 6508

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

Owner: Chris & Michelle McKoy
Applicant:
Address: 4656 Sierra View Dr, Denver, NC 28037
Date Evaluated: 11/6/2013
Proposed Facility: 4BR House
Design Flow (.1949): 480 GPD
Property Size: 0.919 ac
Location of Site: 15817 North Point Rd, Huntersville, NC 28078
Property Recorded: 8/22/85
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 | General Comments | Profile Class & LTAR | Maximum Trench Bottom Depth for 3' Wide Conventional Trench |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Boring #1 | LS 2% | 0 - 6 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 6 - 15 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 15 - 36 | mfsbk C | FR SEXP | | | | | | | |
| | | 36 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| Boring #2 | LS 3% | 0 - 8 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 8 - 16 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 16 - 38 | mfsbk C | FR SEXP | | | | | | | |
| | | 38 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| Boring #3 | LS 3% | 0 - 3 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 3 - 10 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 10 - 40 | mfsbk C | FR SEXP | | | | | | | |
| | | 40 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| Boring #4 | LS 3% | 0 - 6 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 6 - 12 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 12 - 44 | mfsbk C | FR SEXP | | | | | | | |
| | | 44 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | III b | III b |
| Site LTAR (gpd/sq ft) | 0.3 | 0.3 |

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

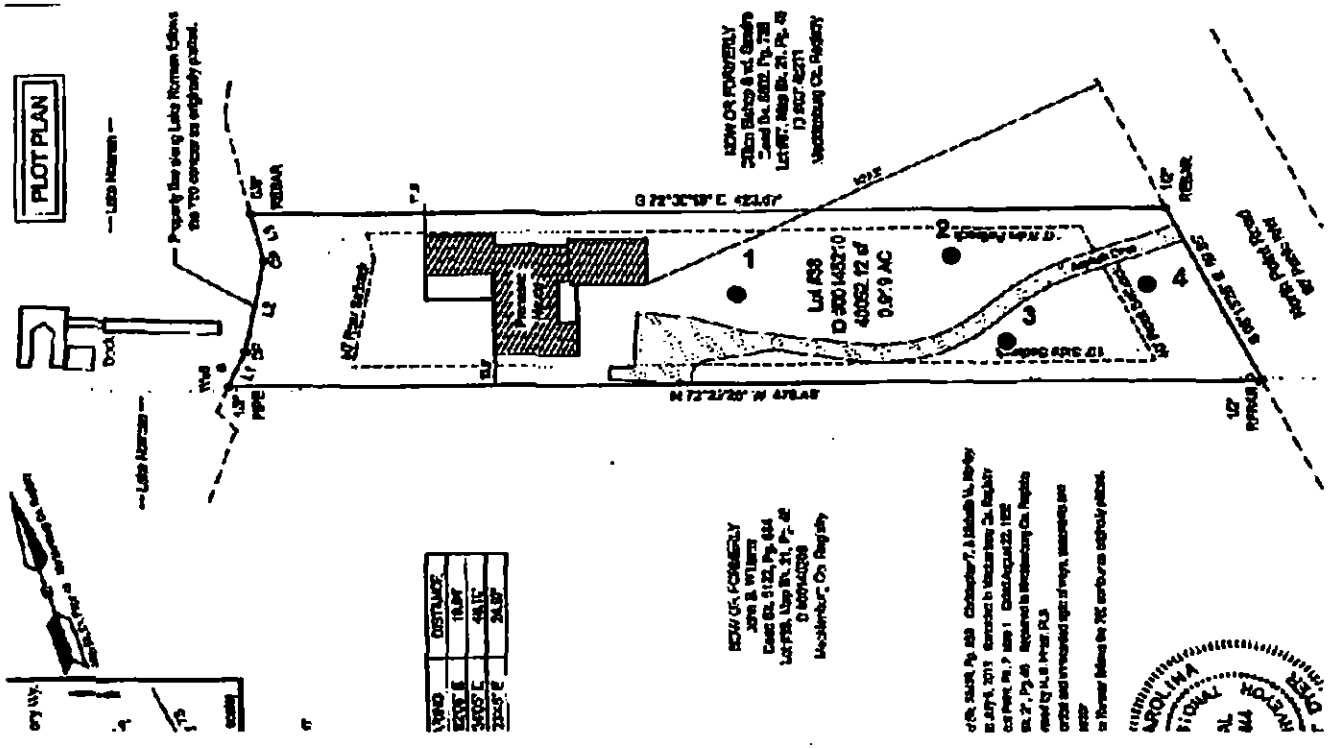
Jeremy Mich REHS

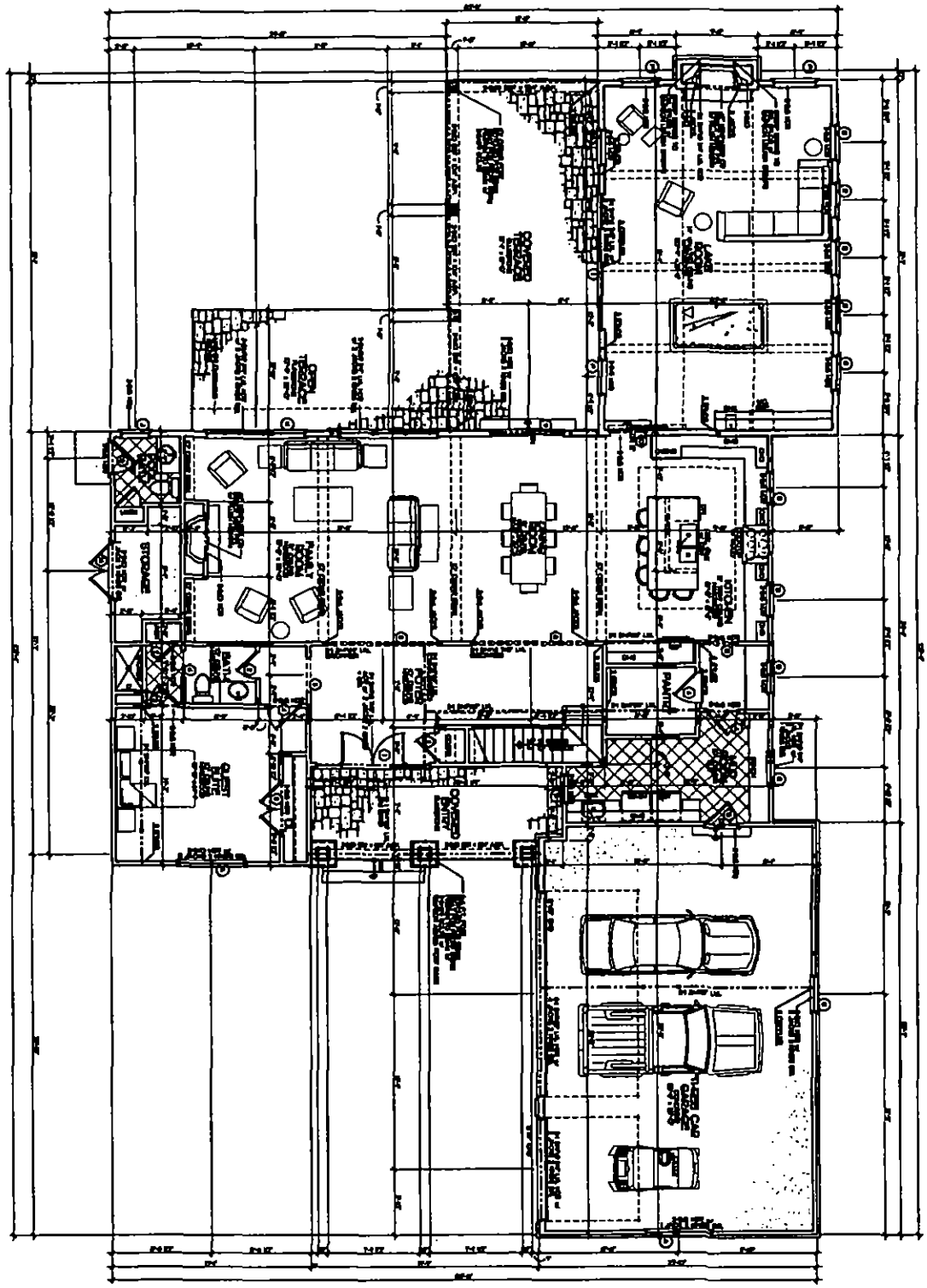
**COMMENTS:**

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

**Sketch of Soil Evaluation Locations**





MAIN LEVEL
FLOOR PLAN
SCALE : 1/4" - 1'-0"

| Square Footage | |
|---|---|
| Main Level Heated | 2533 SQ.FT. |
| Upper Level Heated | 1942 SQ.FT. |
| Total Heated | 4475 SQ.FT. |
| Open Rear Terrace | 404 SQ.FT. |
| Open Front Porch | 84 SQ.FT. |
| Storage | 88 SQ.FT. |
| Three Car Garage | 853 SQ.FT. |
| Total Under Roof | 5906 SQ.FT. |
| Uncovered Terrace | 270 SQ.FT. |
| Grand Total | 6,176 SQ.FT. |

NOTES:

NOTES:

WINDOW SCHEDULE

DOOR SCHEDULE

5

Date
October 28, 2011

A Custom Home For
The McKoy Family

E.S. Johnson
BUILDERS

A-FRAME DETAIL • SUITE TI-REE
SCALE: 1/2" = 1'-0"

UPPER LEVEL
FLOOR PLAN
SCALE : 1/4" = 1'-0"

| Square Footage | |
|---|---|
| Main Level Heated | 2533 SqFt |
| Upper Level Heated | 1942 SqFt |
| Total Heated | 4,475 SqFt |
| Cov. Rear Terrace | 404 |
| Cov. Front Porch | 184 |
| Storage | 88 |
| Three Car Garage | 863 |
| Total Under Roof | 5,986 SqFt |
| Uncovered Terrace | 228 SqFt |
| Grand Total | 6,214 SqFt |

DOOR SCHEDULE

WINDOW SCHEDULE

NOTES:

NOTES:

A Custom Home For
The McKoy Family

C.O. Johnson BUILDERS

Date
October 28, 2013

Sheet
7

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

Sheet: 1 of 2
Property ID: 001-452-10
Lot #: 38
File #: 20983
AppID: 6508

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Chris & Michelle McKoy
Applicant:
Address: 4856 Sierra View Dr, Denver, NC 28037
Date Evaluated: 11/8/2013
Proposed Facility: 4BR House
Design Flow (.1949): 480 GPD
Property Size: 0.918 ac
Location of Site: 15817 North Point Rd, Huntersville, NC 28078
Property Recorded: 8/22/85
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 | General Comments | Profile Class & LTAR | Maximum Trench Bottom Depth for 3' Wide Conventional Trench |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Boring #1 | LS 2% | 0 - 6 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 6 - 15 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 15 - 36 | mfsbk C | FR SEXP | | | | | | | |
| | | 36 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| Boring #2 | LS 3% | 0 - 8 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 8 - 16 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 16 - 38 | mfsbk C | FR SEXP | | | | | | | |
| | | 38 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| Boring #3 | LS 3% | 0 - 3 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 3 - 10 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 10 - 40 | mfsbk C | FR SEXP | | | | | | | |
| | | 40 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| Boring #4 | LS 3% | 0 - 6 | gr SL | FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 6 - 12 | wfsbk SCL | FR SEXP | | | | | | | |
| | | 12 - 44 | mfsbk C | FR SEXP | | | | | | | |
| | | 44 - 50 | wfsbk CL | FR SEXP | | | | | | | |
| | | | | | | | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR (gpd/sq ft) | 0.3 | 0.3 |

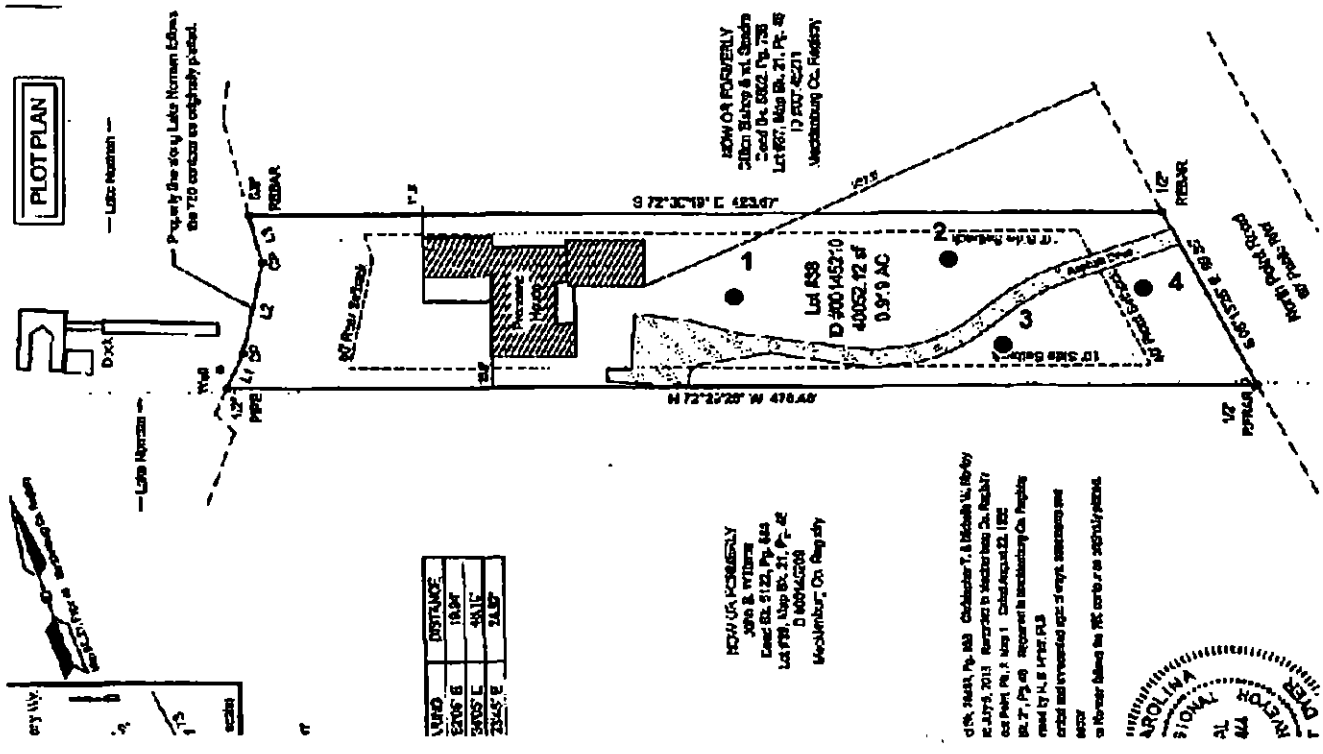
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

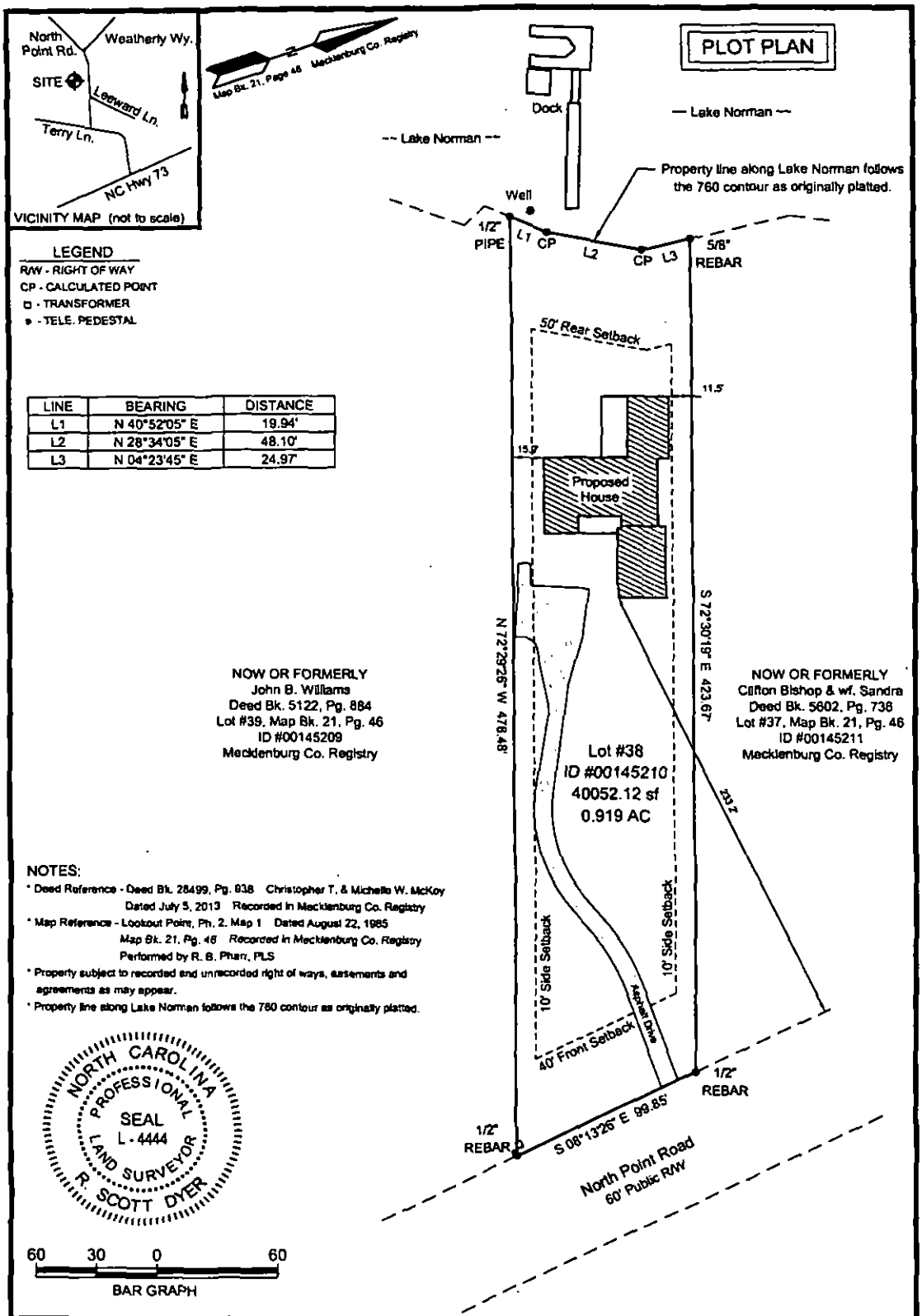
**COMMENTS:**

| 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 | | abk-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**


PLOT PLAN
Lake Norman
Dock
Well
Lake Norman
1
2
3
4
Lot 459
D 9001453210
40052.12 sf
0.919 AC
S 72°30'19" E 423.67'
N 72°23'29" W 476.40'
1/2" REBAR
1/2" PIPE
Property drive
Power Pole
Water
Septic Area
Septic Area
Septic Area




| LINE | BEARING | DISTANCE |
|---|---|---|
| L1 | N 40°52'05" E | 19.94' |
| L2 | N 28°34'05" E | 48.10' |
| L3 | N 04°23'45" E | 24.97' |

NOTES:

* Deed Reference - Deed Bk. 28499, Pg. 938 Christopher T. & Michelle W. McKoy Dated July 5, 2013 Recorded in Mecklenburg Co. Registry
* Map Reference - Lookout Point, Ph. 2, Map 1 Dated August 22, 1985 Map Bk. 21, Pg. 46 Recorded in Mecklenburg Co. Registry Performed by R. B. Pharr, PLS
* Property subject to recorded and unrecorded right of ways, easements and agreements as may appear.
* Property line along Lake Norman follows the 760 contour as originally platted.

NORTH CAROLINA PROFESSIONAL SEAL L-4444 LAND SURVEYOR R. SCOTT DYER

I, R. Scott Dyer, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 28499, page 938, etc.); that the boundaries not surveyed are clearly indicated as drawn from information found in Book n/a, page n/a; that the ratio of precision as calculated exceeds 1:10,000; and that this map meets the requirements for The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56. 1600). Witness my original signature, registration number and seal this 21st day of October, A.D., 2013.

R. Scott Dyer, PLS #4444

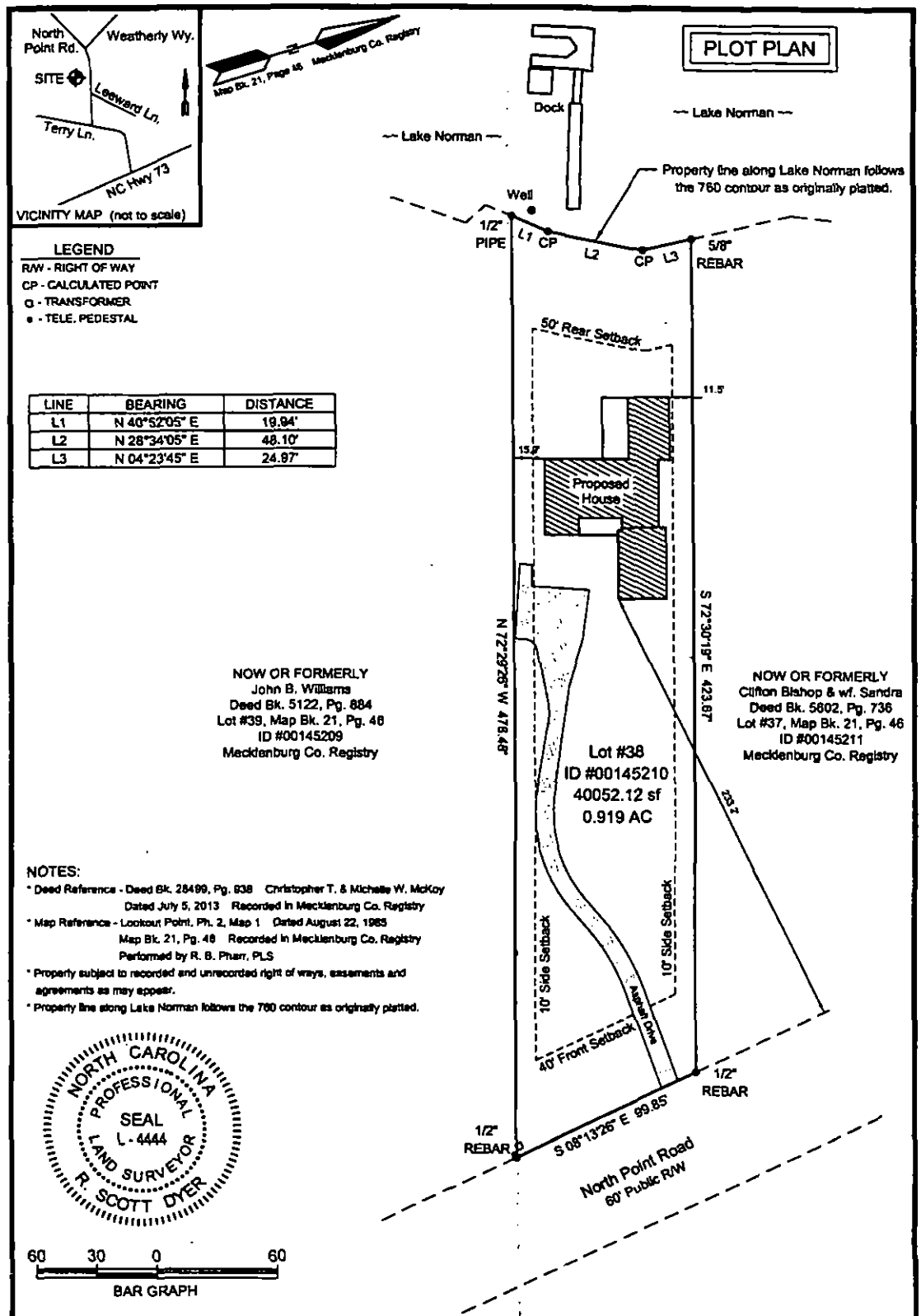
| | |
|---|---|
| DRAWN BY: S. Dyer | NLS NO.: 13099 |
| DATE: October 8, 2013 | SCALE: 1" = 60' |

NORSTAR LAND SURVEYING N E S W 2002


NORSTAR LAND SURVEYING, INC.
552-B Newell Street NW
Concord, NC 28025
Ph 704 721 6651
Fax 704 721 6653
Firm Lic. # C-2294


Chris & Michelle McKoy
15817 North Point Road

Town of Huntersville Mecklenburg County, NC




I, R. Scott Dyer, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 28499, page 938, etc.); that the boundaries not surveyed are clearly indicated as drawn from information found in Book n/a, page n/a; that the ratio of precision as calculated exceeds 1:10,000; and that this map meets the requirements for The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56, 1600). Witness my original signature, registration number and seal this 21st day of October, A.D., 2013.

R. Scott Dyer, PLS #4444

| | |
|---|---|
| DRAWN BY: S. Dyer | NLS NO.: 13099 |
| DATE: October 8, 2013 | SCALE: 1" = 60' |

NORSTAR LAND SURVEYING N W E S 2002

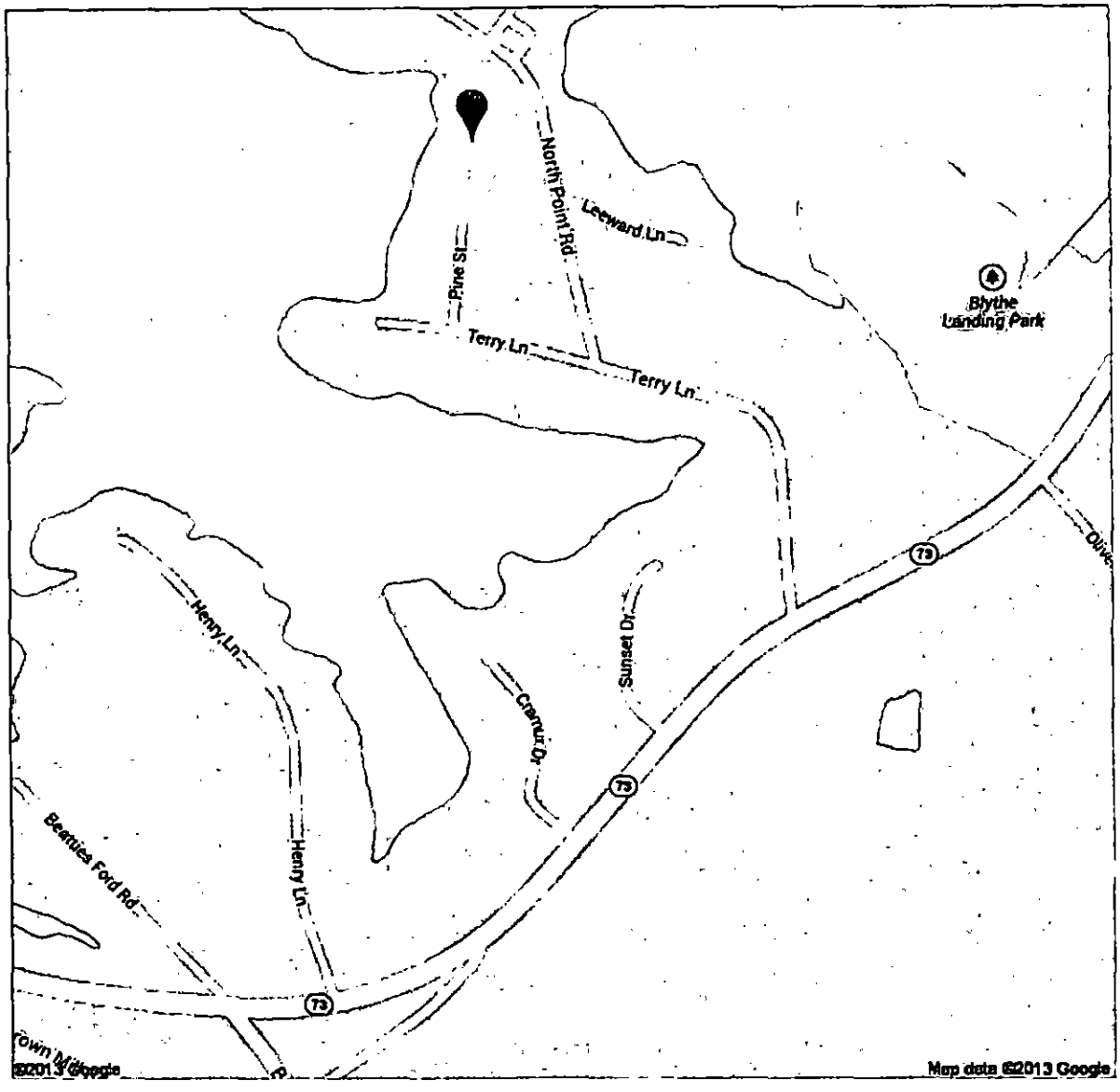

NorStar Land Surveying, Inc.
552-B Newell Street NW
Concord, NC 28025
Ph 704 721 6851
Fax 704 721 6653
Firm Lic. # C-2294


Chris & Michelle McKoy
15817 North Point Road

Town of Huntersville Mecklenburg County, NC

Google

Address **15817 North Point Rd**
**Huntersville, NC 28078**



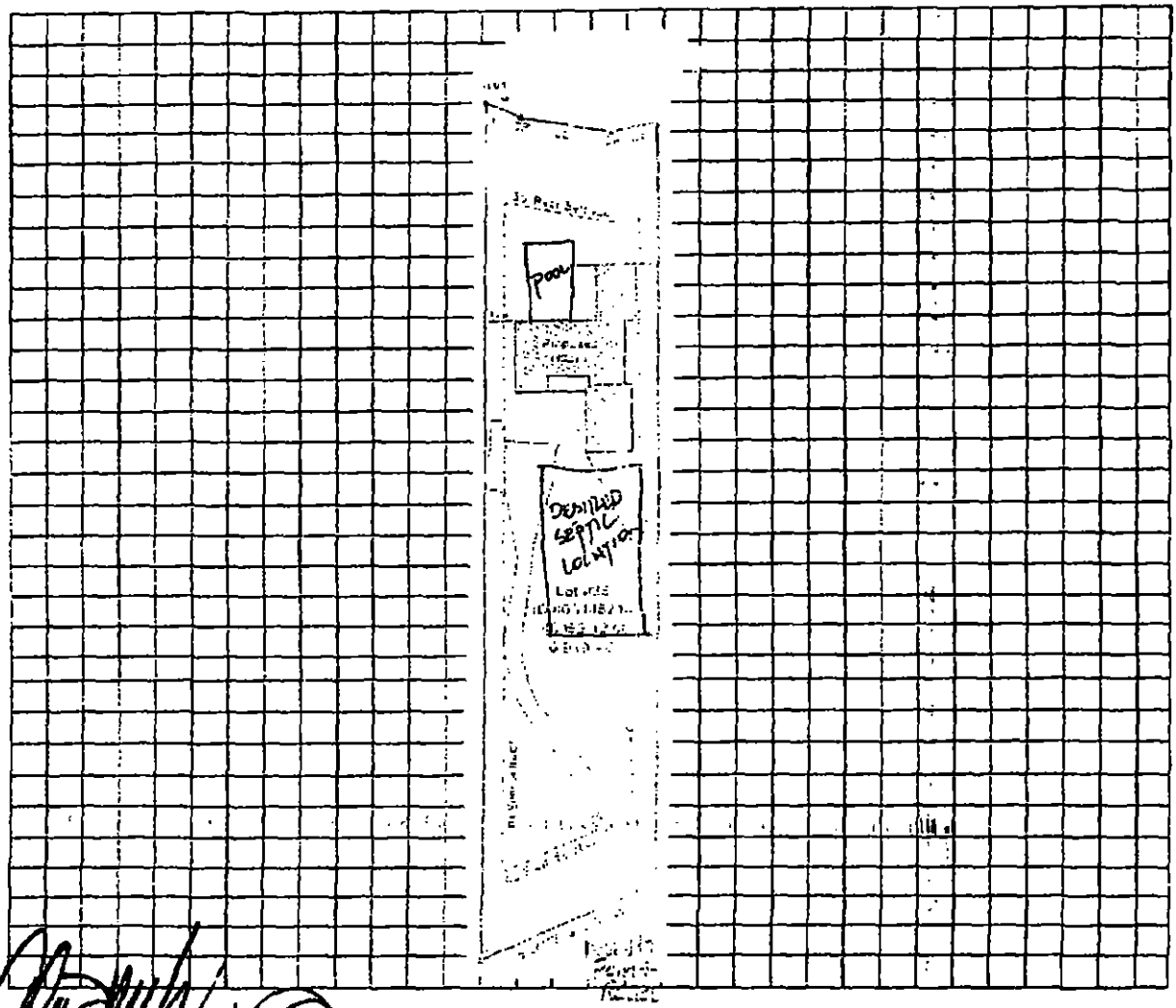
File #: _____

## 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: 15917 North Point Rd. Tax Parcel #: _____

Subdivision Name: Lagoon Point Lot #: 0-39




Property Owner's or Owner's Legal Representative Signature

10-30-2013
Date



MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202. OFFICE: 704-336-5103, FAX: 704-336-8894

Revised on: 12/15/10

Oct 30 13 09:41a UGG Australia 704-483-4129 p.3

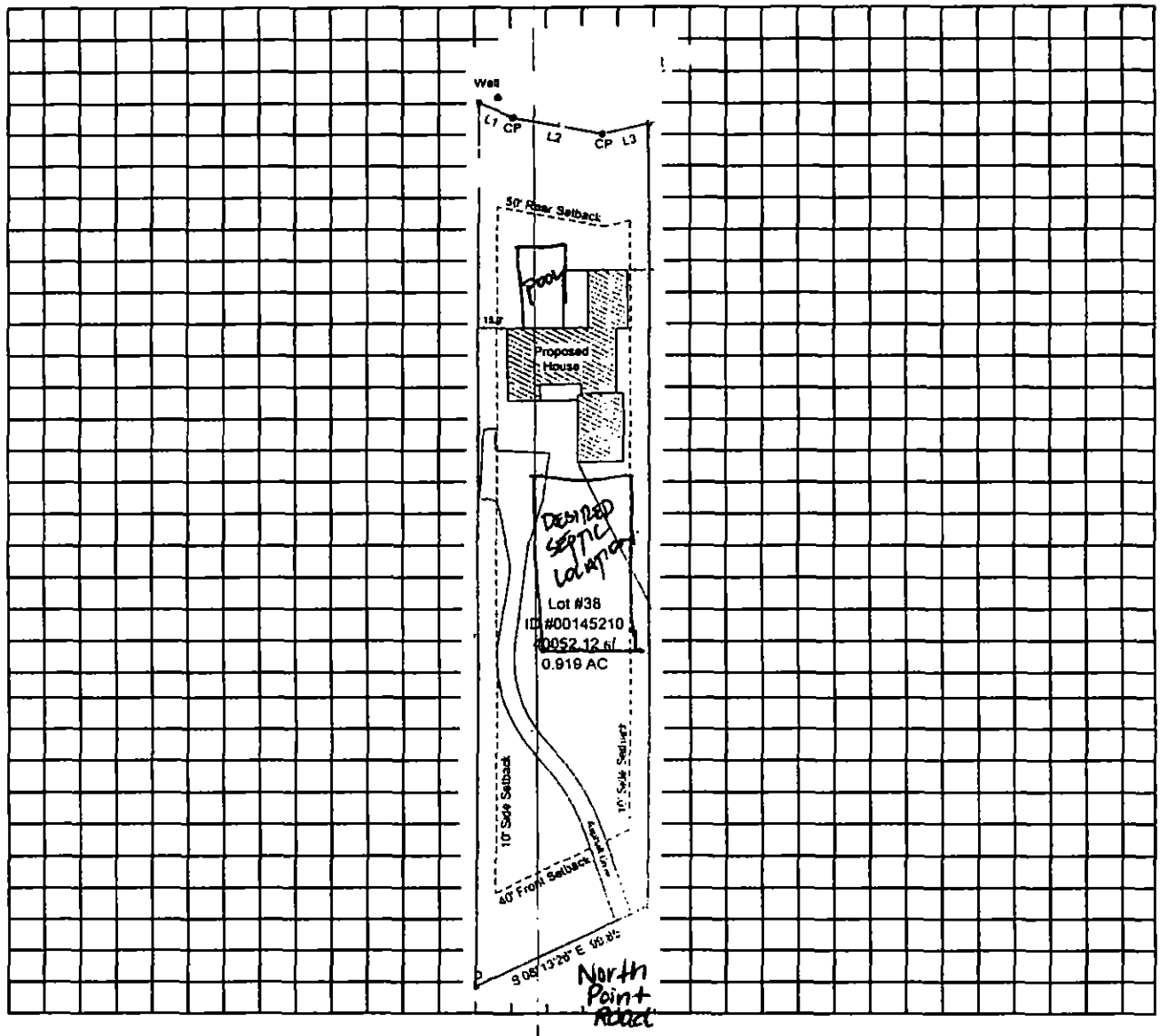
File #: _____

## 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: 15817 North Point Rd. Tax Parcel #: _____

Subdivision Name: Lookout Point Lot #: 038




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

Date Received 5-9-84

SIR No. 20983

T. P. No. 001-201-05

Map Date 1978

# MECKLENBURG COUNTY
# DEPARTMENT OF ENVIRONMENTAL HEALTH

## APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER (LAST) MARTIN DEVELOPMENT (FIRST) GROUP (MIDDLE)

2) ADDRESS OF OWNER 1800 ONE TRYON CENTER CHARLOTTE NC (ZIP) 28284

3) PHONE NO. Home _____ Office 332-4242

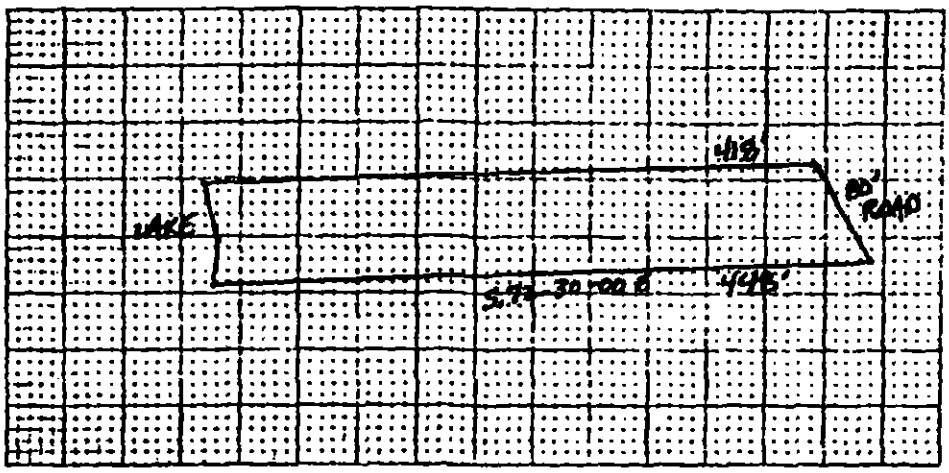
4) LOCATION OF PROPERTY NORTH POINT RD. (STREET OR COUNTY ROAD)

5) SUBDIVISION LOOKOUT POINT LOT NO 4 BLOCK NO. _____

MAP BOOK NO. [redacted]1 PAGE NO. [redacted]20

6) DEED REFERENCE DEED BOOK N/A PAGE NO _____

*Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation and an on site inspection of the lot hereinabove described for the purpose of determining if the lot is suitable for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge*




7) ACCURATELY DIAGRAM & DIMENSION LOT

Carl G. McNeal
OWNER

EHD-3-76

ENVIRONMENTAL HEALTH DEPARTMENT COPY

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. [illegible]

T.C. NO. [illegible]

(Ground Absorption Sewage Disposal)

OWNER: [illegible] PLAT NO: [illegible]
ADDRESS: [illegible] LOT SIZE: [illegible]
LOCATION OF SITE: [illegible]

| FACTORS | AREA 1 | AREA 2 | AREA 3 | AREA 4 |
|---|---|---|---|---|
| 1. SLOPE (%) | S<br>PS 3 [illegible]<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay) | S<br>PS clay<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 3. SOIL STRUCTURE (12-36 inches) | S<br>PS [illegible]<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 4. SOIL DEPTH (inches) | S<br>PS 36-48"<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock) | S<br>PS 36"<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 6. SOIL DRAINAGE/GROUNDWATER (external and internal) | S [illegible]"<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 7. OTHER (Specify) | S<br>PS [illegible]<br>U | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 8. SOIL GROUP | [illegible] | | | |
| 9. SITE CLASSIFICATION | [illegible] | | | |
| 10. SOIL SERIES | [illegible] | | | |

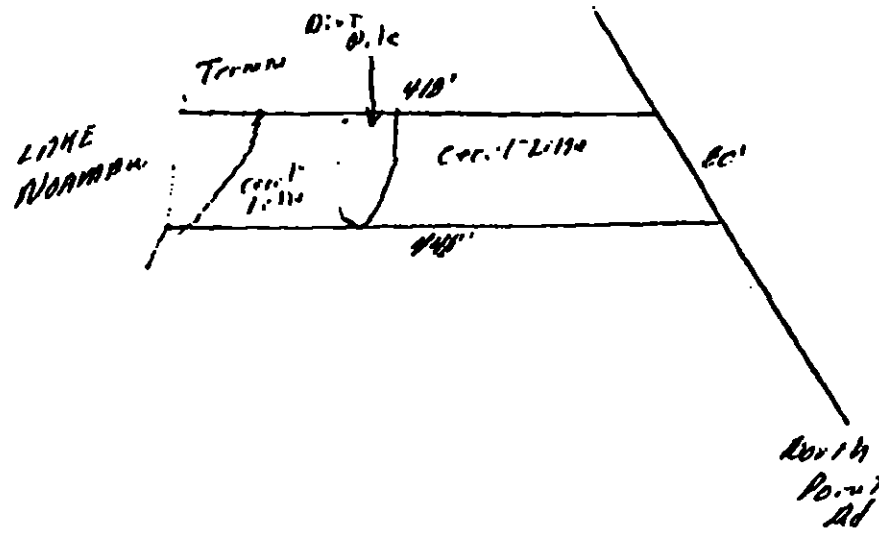
S - Suitable PS - Provisionally Suitable U - Unsuitable

**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: [illegible]

Described by: [illegible]
Title: [illegible]

Date: [illegible]


D.O.T.
Tennis
418'
LINE
NORMAL
Corr. 1" Line
Corr. 1" Line
EC'
North
Point
Rd

Serial No. 6226

SIR No. 20983

T. C No. PO 001-201-05

Date Issued 7-31-85

Map Date L

# MECKLENBURG COUNTY
# DEPARTMENT OF ENVIRONMENTAL HEALTH

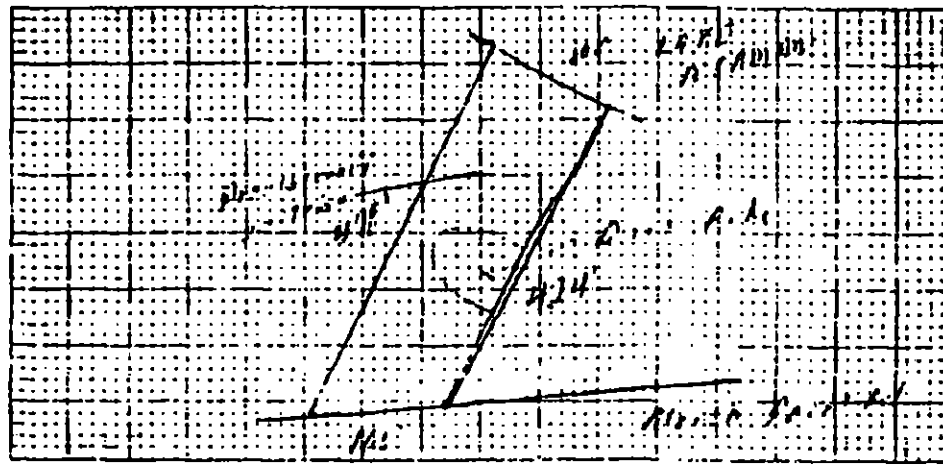
## SOIL INVESTIGATION REPORT
"REVISED REPORT DUE TO LOT CONFIGURATION"

NAME OF OWNER (LAST, FIRST, MIDDLE) Martin Development Group

ADDRESS OF OWNER 1800 One Tryon Center, Charlotte, NC ZIP 28284

LOCATION OF PROPERTY North Point Road (STREET OR COUNTY ROAD)

SUBDIVISION Lookout Point LOT NO 38 BLOCK NO.



PLOT PLAN

This is to certify that a soil investigation was conducted by the Mecklenburg County Department of Environmental Health on the lot described above and that on that date the findings indicated in the above report PROVISIONALLY SUITABLE

The permeability rate determined by the investigation was . The said lot is approved for the installation of a conventional gravity type wastewater treatment system with subsurface, soil absorption effluent discharge subject to the following terms and conditions:

1. [illegible] the Mecklenburg County Department [illegible] wastewater treatment [illegible]
2. [illegible] the Mecklenburg County Department of Environmental Health [illegible]
3. [illegible]
4. [illegible]

This approval is granted based on the laws of the State of North Carolina and the rules and regulations of the North Carolina Department of Human Resources, Division of Health Services, and the Mecklenburg County Health Commission which were in effect on the date of issue and is void if at any time in the future prior to completion of the system these laws, rules and regulations are changed such that this approval would not have been granted had the new laws, rules and regulations been in effect on the issue date.

Soil Scientist

Environmental Health Director or Authorized Section Head

HD-5-76

Environmental Health Department

# APPLICATION FOR AN IMPROVEMENT PERMIT

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)
FILE: 20983
TC. V

MECK COUNTY DEPARTMENT OF
RECEIVED
APR [illegible]
ENVIRONMENTAL HEALTH

**JOB LOCATION**

① ADDRESS: 15817 North Point Road (STREET NO / STREET) ⑦ FILE: 20983
③ CITY: Huntersville, NC ⑧ TAX PARCEL NO: PO 001-201-05
⑤ SUBDIVISION: Lookout Point ⑥ LOT: 38 ⑦ BLOCK:

**OWNER**

⑨ NAME: Mady Construction Company, Inc. (FIRST / MIDDLE / LAST)
⑨ MAILING ADDRESS: 20347 Walter Henderson Road
⑩ CITY: Davidson ⑪ STATE: NC ⑫ ZIP: 28036
⑬ PHONE: (WORK) 892-5105 ⑭ (HOME)

**REQUEST**

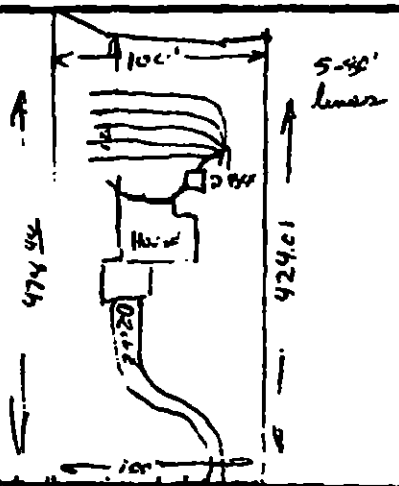
This request is for a(n):

⑮ ☒ New installation permit ⑰ ☐ Authorization for mobile home exchange
⑯ ☐ Repair or alteration permit ⑱ ☐ Other (specify)

**DESIGN CRITERIA**

System will serve:

⑲ ☒ Residence ⑳ ☐ Mobile home ㉑ ☐ Business or place of public assembly
㉒ Number of bedrooms? 3 ㉓ Type?
㉑ Maximum occupancy? ㉔ Maximum number of employees?
㉕ Basement? ☐ yes ☒ no ㉗ Maximum number of seats?




㉘ Accurately dimensioned plot plan North Point Road

**WATER SUPPLY**

㉙ Water supply from (present or proposed):

A ☐ Individual well
B ☐ Municipal system
C ☐ Community well
D ☒ Community system

㉚ The undersigned, owner of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: [signature]
Date: April 4, 1986

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY

**PROPOSED PLOT PLAN**

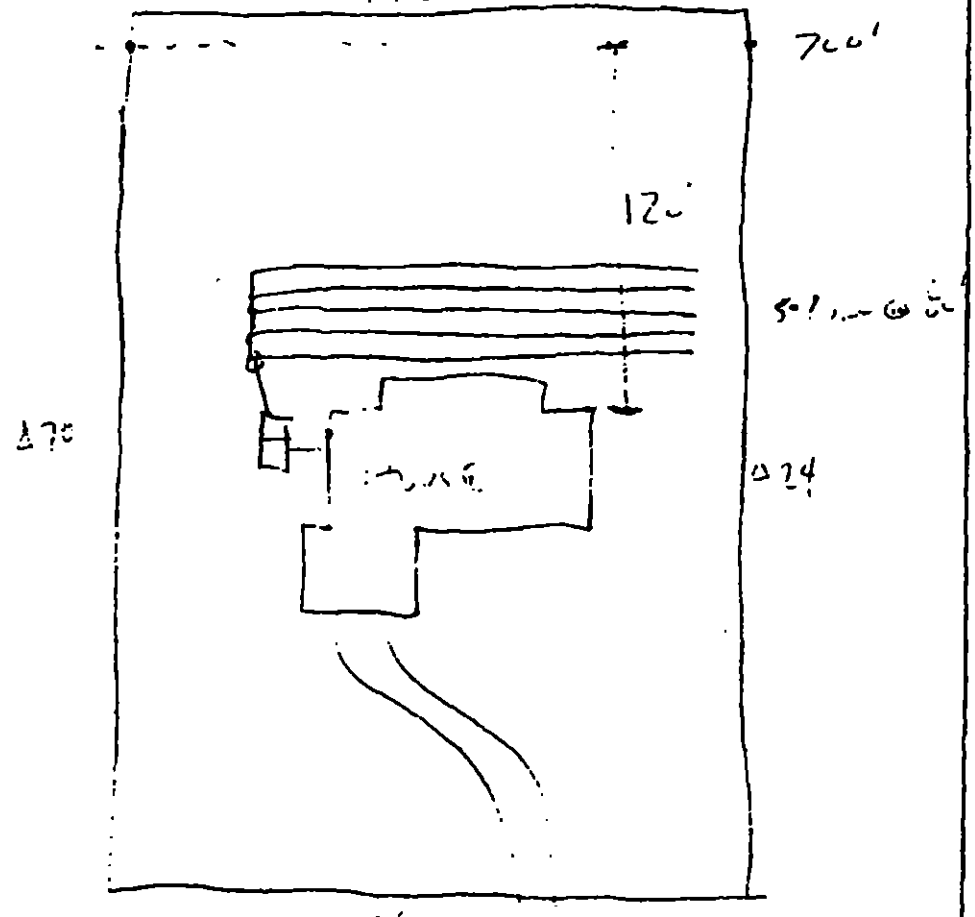
MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 2 c 1 c 3

TC: 12 c c 1 - 2 4 1 - c 5

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.




Signed: [signature]

Date: April 11th 1986

Date Issued 4/15/86

Serial No. 9457

SIR No. 20983

T. C. No. 001-201-05 PO

Map Date L CK7

# MECKLENBURG COUNTY
# DEPARTMENT OF ENVIRONMENTAL HEALTH

**TO THE BUILDING INSPECTION DEPARTMENT**

APPROVAL OF LOT FOR INSTALLATION OF AN INDIVIDUAL SEPTIC TANK WITH SUBSURFACE, SOIL ABSORPTION, EFFLUENT DISCHARGE

NAME OF OWNER Hady Construction Company, Inc.
(LAST / FIRST / MIDDLE)

ADDRESS OF OWNER 20347 Walter Henderson Road ZIP 28036

LOCATION OF LOT 15817 North Point Road
(STREET OR COUNTY ROAD)

SUBDIVISION Lookout Point Road LOT NO. 38 BLOCK NO.

MAP BOOK NO. PAGE NO.

The above specified lot is approved by the Mecklenburg County Department of Environmental Health for the installation of an individual septic tank system with subsurface, soil absorption, effluent discharge based on the soil investigation, on an on-site inspection of the said lot; and upon the information supplied in the "Application for an Installation, Construction, Alteration, and/or Repair Permit", number 20983 This approval is subject to the following terms and conditions:

1. That the nitrification field be installed, constructed, altered and/or repaired in the same area where the soil investigation was run.
2. That an "Installation, Construction, Alteration, and/or Repair Permit" be issued and in full force and effect when the system is installed, constructed, altered, and/or repaired and that the system be installed in accordance with same.

This approval may be revoked and the building inspection department requested to revoke any building permit(s) which have been issued to authorize construction on the said lot if at any time it is determined that any information contained in the "Application for an Installation, Construction, Alteration, and/or Repair Permit" is not correct or is untrue or that the septic-tank system is not being installed, constructed, altered and/or repaired in accordance with a valid Installation, Construction, Alteration, and/or Repair Permit.

Willy Caudill
Environmentalist

Environmental Health Director, or Authorized Section Head

OID-5-76

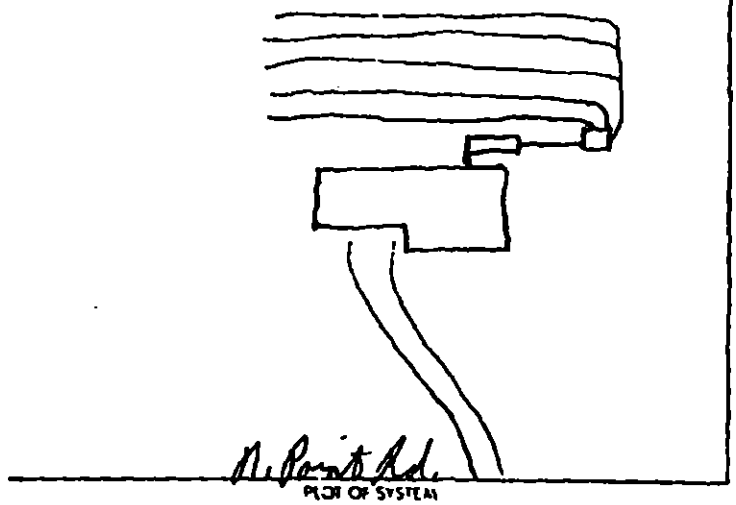
Copy

## INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR PERMIT

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 20983 DATE: 7-16-86
PE: 001-201-05
SERIAL № 10174

Permission is hereby given to ✓ Install or Construct, ___ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 4-4-86. All work shall be completed on or before 8-16-86, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 10 NCAC 10A .1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Department of Environmental Health before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed 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.



PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons
Liquid Capacity of Dosing Tank ___ gallons
Tank Construction PCC

Absorption and/or Nitrification Lines:
Trench Width 3 feet
Total Line Length 400 feet
Number of Lines 5
Depth of Stone 12 inches
Distance from House 5 feet
Distance from Property Line 10 feet
Distance from Well not in feet
dep 100' from septic

NAME OF OWNER Mady Construction Co.
LOCATION OF PROPERTY 15812 North Point Rd.
Comments: 5 lines 3 X 80' X 12" stone

Richard A. Johnson
Division or Section Head

B. R. Ferguson
Environmentalist

* If this permit is for the installation or construction of a new system, it must be signed by the division or a section head of the Department of Environmental Health in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER OR AGENTS COPY

C of A (s) No 20983

Date Issued 7-22-86 **Serial** 8757 T C No Po 001-201-05

C CK1

# MECKLENBURG COUNTY
# DEPARTMENT OF ENVIRONMENTAL HEALTH

## CERTIFICATE OF APPROVAL

**(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)**

Name of Owner Mady Construction Co. (LAST, FIRST, MIDDLE)

Location of Property 15812 North Point Rd.

Application Number —  Permit Number —

**Inspection Date:**

Liquid Capacity of Tank 1500  Tank Material PVC

Total Length of Drain Tile 400'  Number of Lines 5

Depth of Filter Material 12"  Cover Depth 15"-30"

Water Supply Source well  Distance from Water Source 100'+

Excavation Inspected 7-22-86 (DATE)  Tank Inspected 7-22-86 (DATE)

Nitrification Field Inspected 7-22-86 (DATE)

Washing Machine Line Inspected, If Applicable — (DATE)

The undersigned has inspected the Individual Septic Tank System with subsurface, soil absorption, effluent discharge as described above and it has been ✓ installed or constructed, altered or repaired in accordance with the permit issued and the regulations of the Mecklenburg County Health Commission in effect on the date of issuance of the permit. The issuance of this Certificate of Approval 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 Certificate of Approval is issued subject to those restrictions and conditions shown on the permit(s) in addition to those listed below under comments. This Certificate of Approval 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.

Comments 1986, 1500 ST, CON, 1200 SFT, 12 E, Cecil

B. R. Ferguson
Environmentalist

DED-5-76

2