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

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

# IMPROVEMENT PERMIT/CONSTRUCTION AUTHORIZATION
## for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6308 Permit #: 8015 Tax Parcel #: 001-032-16

Property Owner: Betty D. Cross

Job Location Address: 6820 Mannon Island

City: Cornelius State: NC Zip Code: 28031

**Improvement Permit Issuance Date:** 2/4/16 **Construction Authorization Issuance Date** 2/4/16

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 permit is granted based upon the application information submitted to our office. This permit expires 5 years from the date it was issued. 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: 360 GPD

Site LTAR: N/A GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1000 gallons

Liquid Capacity of Dosing Tank: N/A gallons

Drainfield Design ☒ N/A

Trench Depth: _____ inches

Trench Width: _____ feet

Line Spacing: _____ feet (O.C.)

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

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 _____

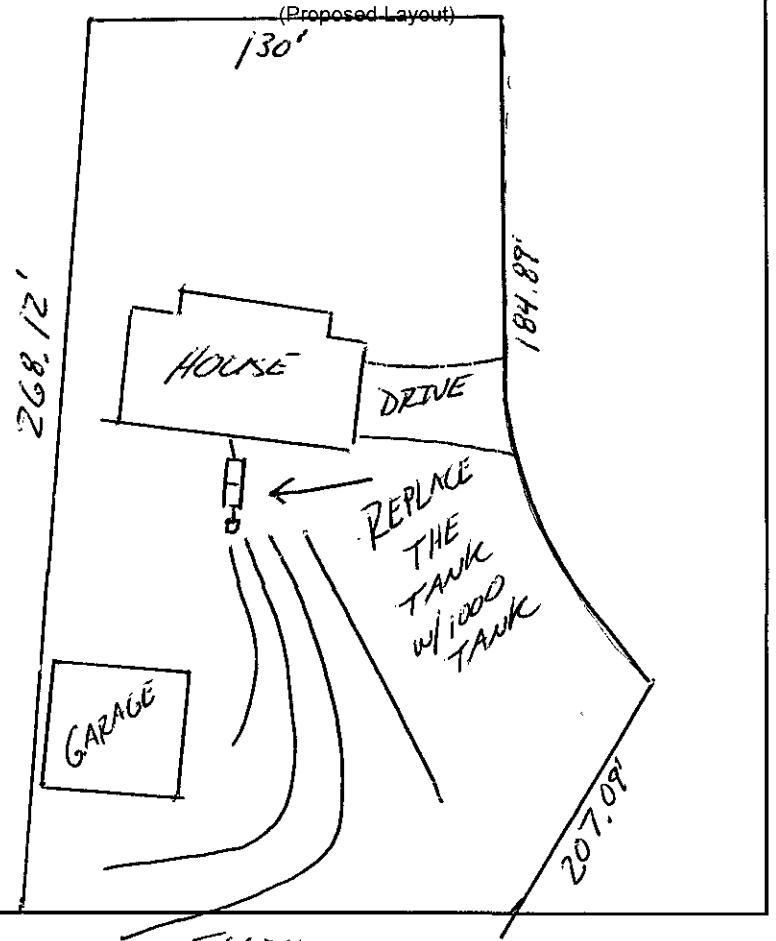
Minimum System Setbacks

Distance from Building Foundation: _____ feet

Distance from Property Line: _____ feet

Distance from Water Supply Source: _____ feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)

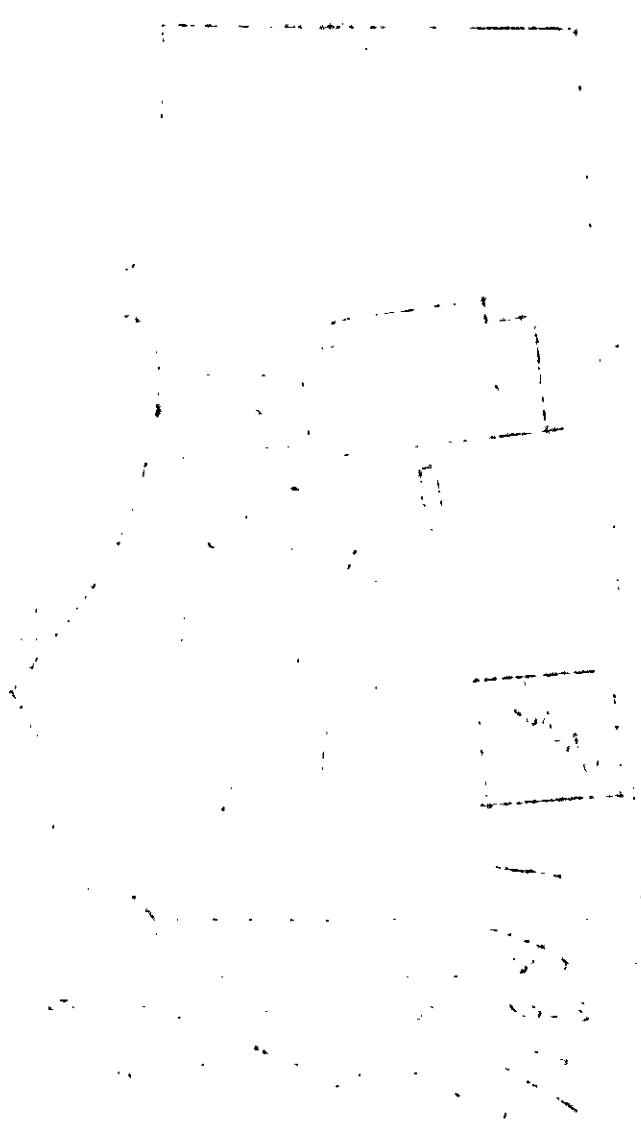



Comments: System Classification & Type: IIa Conventional System

REPLACE EXISTING TANK WITH NEW 1000 TANK / TIE INTO SYSTEM

Authorized Agent: Jeremy Michelson, REHS Signature: Jeremy Michelson, REHS

Owner Signature: [signature] Date: 2/4/16



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NC DHHS
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On-Site Wastewater Section

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

File #: 6308 Permit #: 30008013 Tax Parcel #: 001-032-16

Property Owner: Betty Cross

Job Location Address: 6820 Norman Island Dr

City: Cornelius State: NC Zip Code: 28031

**Operation Permit Issuance Date:** 3/11/16 Contractor Name: Jim Lanier, Stanley Env.

Permitted Design Flow: 360 GPD Liquid Capacity of Dosing Tank: n/a gallons

Liquid Capacity of Septic Tank: 1000 gallons Manufacture: Dellinger STB-794-1000 Effluent Pump Model: n/a

Drainfield Installation ☒ N/A

Trench Depth: _____ inches

Trench Width: _____ feet

Line Spacing: _____ feet (O.C.)

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

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

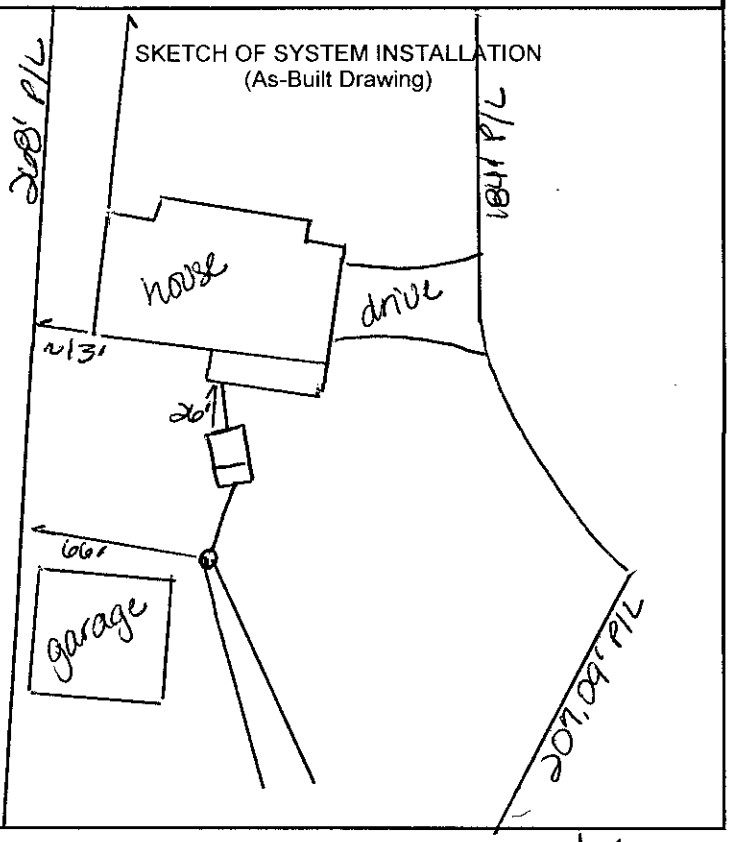
Inspection Dates

Tank(s) Inspected: 3/11/16

Excavation Inspected: n/a

Pump & Controls Inspected: n/a

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: IIa, Conventional, gravity, n/a, n/a
Set new 1000g tank and new D-box

DENR Authorized Agent: Kim Garrett, REHS Signature: Kim Garrett, REHS

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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 #: 6308 Permit #: 30008013 Tax Parcel #: 001-032-16

Property Owner: Betty Cross

Job Location Address: 6820 Norman Island Dr

City: Cornelius State: NC Zip Code: 28031

**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: IIa

*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: Kim Garrett, REHS Date: 3/11/16

Signature: Kim Garrett. REHS

COPY

MECKLENBURG COUNTY
HEALTH DEPARTMENT

6308
#8013

2 FEB '16 PM12:33

# 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: 00103216
STREET ADDRESS: 6820 Norman Island Dr
CITY: Cornelius
STATE: NC ZIP: 28031
SUBDIVISION NAME: Lake Norman Island
LOT #: _____ LOT SIZE (acres): _____
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: _____
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 1
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? _____ ☑ N/A

12. PROPERTY OWNER:

NAME: Betty D Cross
ADDRESS: 6820 Norman Island Dr
CITY: Cornelius
STATE: NC ZIP: 28031
WORK PHONE: (000) 000-0000
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Keith H Cross
ADDRESS: 14729 Autumncrest Rd
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: (704) 947-2767
MOBILE PHONE: (704) 526-7218
FAX: _____
E-MAIL: kcross19@bellsouth.net



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



СОЬД

**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. KHC (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.

Kirk H Cross - POA — 2/2/16

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: $ _____ DATE FEE RECEIVED: _____

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

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

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

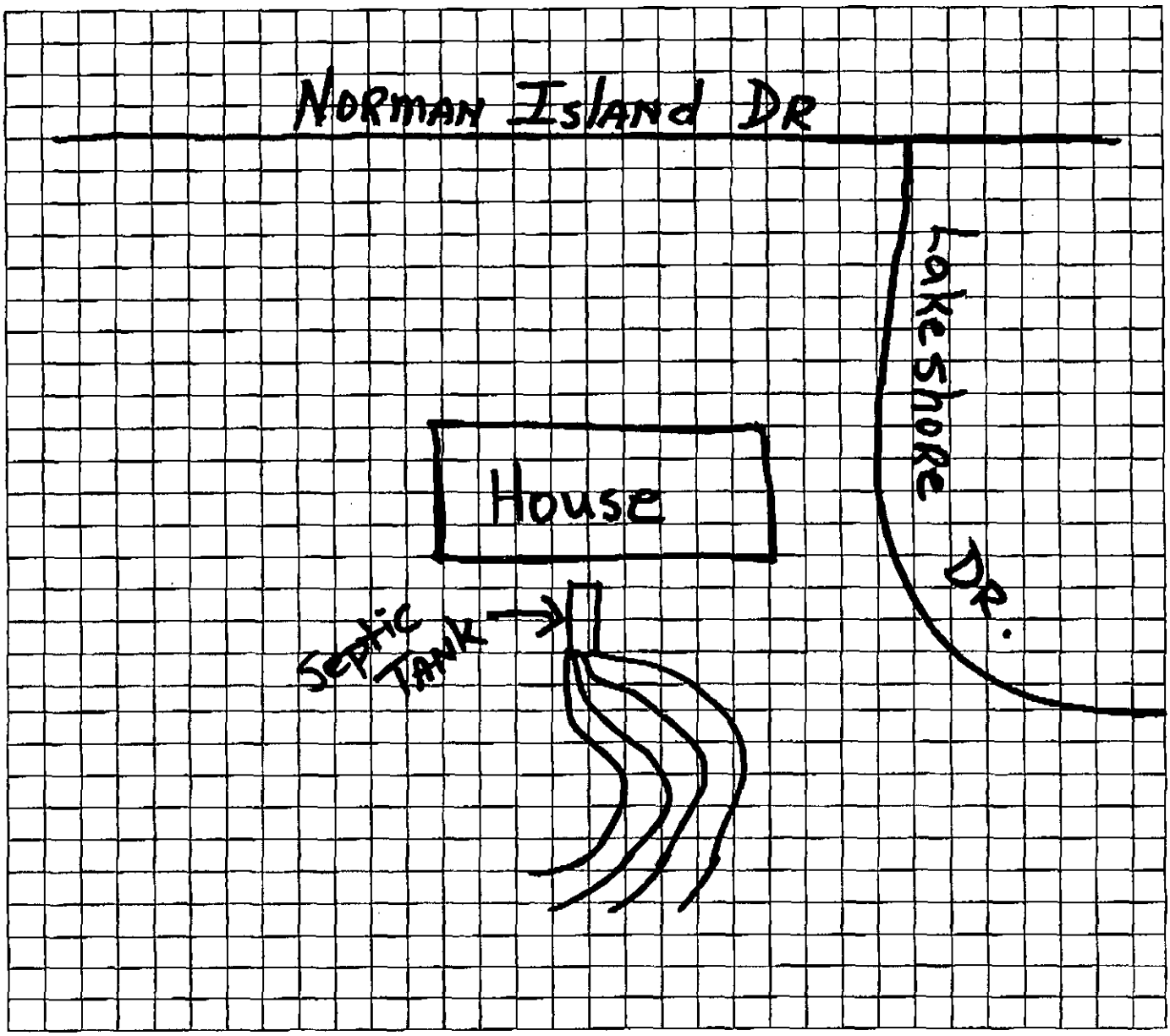
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), 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: 6820 Norman Island Dr., Cornelius, NC

Tax Parcel #: 00103216

Subdivision Name: Lake Norman Island

Lot #: _____




Kathleen Cross – POA

Property Owner's or Owner's Legal Representative Signature

2/2/16

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

**TOSI - Total Office Services**
**Rosedale Shopping Center**
**I-77 @ Exit 23**
**9911 Rose Commons Dr., Ste E**
**Huntersville, NC 28078**

**704-948-8120 voice**
**704-948-8130 fax**

**To:**

Name: Loretta

Company: Meck. County

Fax# (704) 336-6894

Tel# ( )

Total # of pages: 4

**From:**

Name: Keith Cross

Tel: 704-947-2767

**Fax/Docs/Prints/Shipping/Copies and more at: www.totalofficenc.com**

Date Issued 31 May 73

**Serial No. 3776**

ICAR(S) Permit No. 6308

T C. No 001-032-16

Map Date 23 Jan 73

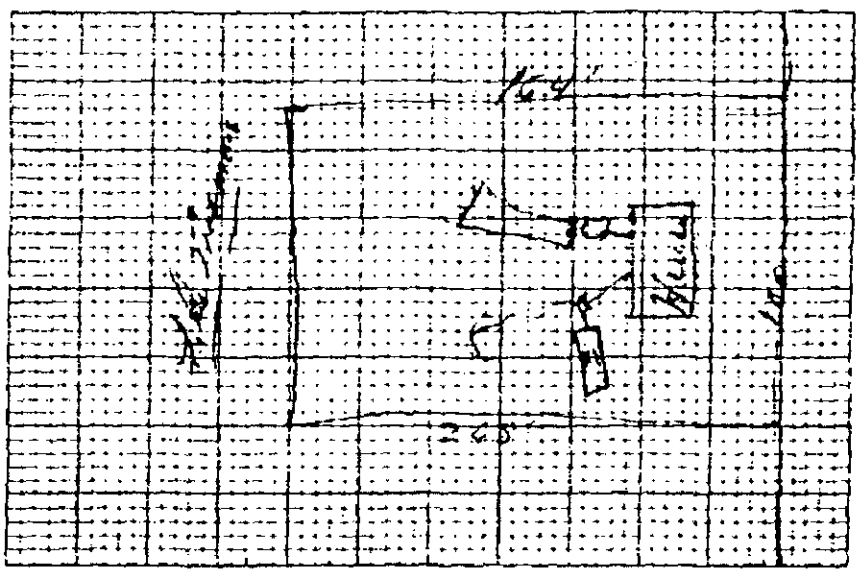
# MECKLENBURG COUNTY HEALTH DEPARTMENT

## ENVIRONMENTAL HEALTH DIVISION

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

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

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 application 6308, dated 15 May 73, and this permit shall be void and of no effect if the information provided in the application is not true or is erroneous. All work shall be completed on or before 30 Jun 73, after which date this permit shall be null and void.




PLOT OF SYSTEM

Percolation Rate _____

Liquid Capacity of Tank _____

Tank Construction _____

Absorption and/or Nitrification Lines:

Total Line Lenght 150'

Number of Lines 3 (72'X25'X34")

Distance from House 30'

Distance from Property Line 20'

Distance from Well 24'

NAME OF OWNER [illegible]

LOCATION OF PROPERTY [illegible]

The system shall meet all of the construction requirements as set forth in the Regulations of the Mecklenburg County Board of Health which are in effect on the date of the granting of this permit. A certificate of approval must be issued by the Health Director before any system can be covered up or otherwise rendered uninspectable or can be used.

Comments: [illegible]

Division or Section Head

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 Environmental Health Division in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

FORM NO E-5-4-1-71

HEALTH DEPARTMENT'S COPY

Date Issued 14 June 73

**Serial No.** 3389

C of A 1st No. 6308

T. C. No 001-032-16

Map Date 23 Jul 72

# MECKLENBURG COUNTY HEALTH DEPARTMENT

## ENVIRONMENTAL HEALTH DIVISION

### CERTIFICATE OF APPROVAL

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

Name of Owner Cross (LAST) Stephenson (FIRST) (M) (MIDDLE)

Location of Property Lake Shore Terrace (Lot 2 Terrace)

Application Number 6308 Permit Number 6308

**Inspection Data:**

Liquid Capacity of Tank _____ Tank Material Polyair

Total Length of Drain Tile 150' 4/11 Number of Lines 3 (7½'x25'x34')

Depth of Filter Material 34" Cover Depth 18"

Water Supply Source City Distance from Water Source City

Excavation Inspected 31 May 73 (DATE) Tank Inspected — (DATE)

Nitrification Field Inspected _____ (DATE)

Washing Machine Line Inspected, If Applicable 31 May 73 (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 Board of Health 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: Gen Stores Control

Environmentalist

FORM NO. E-6-4-1-71

HEALTH DEPARTMENT'S COPY