


1/8/2008

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

*Barcode Font = IDAutomationHC39M*

FEE: _____ AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION NC3
DATE: _____ VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

DATE: _____ PERMIT NO: 54598
PARCEL NO: 011-073-22

JOB LOCATION ADDRESS: Sam Furr Road
PROPERTY OWNER: Rodney A. Short
BUILDING CONTRACTOR: _____
SUBDIVISION NAME: NA
AUTHORIZATION ISSUED BY: Tammy Mabe R.S. DATE: 12/19/03
DEHNR AUTHORIZED AGENT

## AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 54598, 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, CONSTRUCTION, ALTERATION AND/OR REPAIR 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 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 AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: _____

## OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

CONDITIONS OF IMPROVEMENT PERMIT

it Number: 54598

Tax Number: 011-073-22

The 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.

| | | | |
|---|---|---|---|
| asement | ___ Yes ✓ No | | ___ Partial Basement |
| Type Primary Wastewater System<br>Type (circle one):<br>I (II) III IV V VI | ✓ Conventional<br>___ Prefabricated, permeable block panel system<br>___ Shallow Placed Conventional | ___ Low Pressure Pipe<br>___ Large Diameter Pipe<br>___ Fill<br>___ Other | ___ Innovative or Experimental:<br>___ IWWS-93-1<br>___ IWWS-93-2<br>___ IWWS-94-1 |

| | | | |
|---|---|---|---|
| 0.5 Long-term acceptance rate | 600 Max gallons/day wastewater flow | 2000 Absorption Area (sq ft) | 9' Trench spacing (min. on centers) |
| NO Serviced by private well | 1500 Gallon septic tank | 667 Total trench length (ft) | 24" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions) |
| 5 Bedrooms in residence | ___ Gallon pump tank | 12" Depth of stone | |

Any surface waters present: NO Type: Minimum separation distance:

Site modifications required:

Additional Conditions:

| | | | |
|---|---|---|---|
| Repair Area System Type<br>Type (circle one):<br>I (II) III IV V VI | ✓ Conventional<br>___ Prefabricated, permeable block panel system<br>___ Shallow Placed Conventional | ___ Low Pressure Pipe<br>___ Large Diameter Pipe<br>___ Fill<br>___ Other | ___ Innovative or Experimental:<br>___ IWWS-93-1<br>___ IWWS-93-2<br>___ IWWS-94-1 |

| | | | |
|---|---|---|---|
| 0.5 Absorption Area (Sq ft)<br>667 Total Trench Length (Ft) | 12" Depth of Stone Trench | 9' Trench spacing (min. on centers) | 24" Maximum Trench Depth |

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

... No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

... This Improvement permit is transferable.

Tommy Mickle R.S. 12/19/03

DEHNR Authorized Agent Date

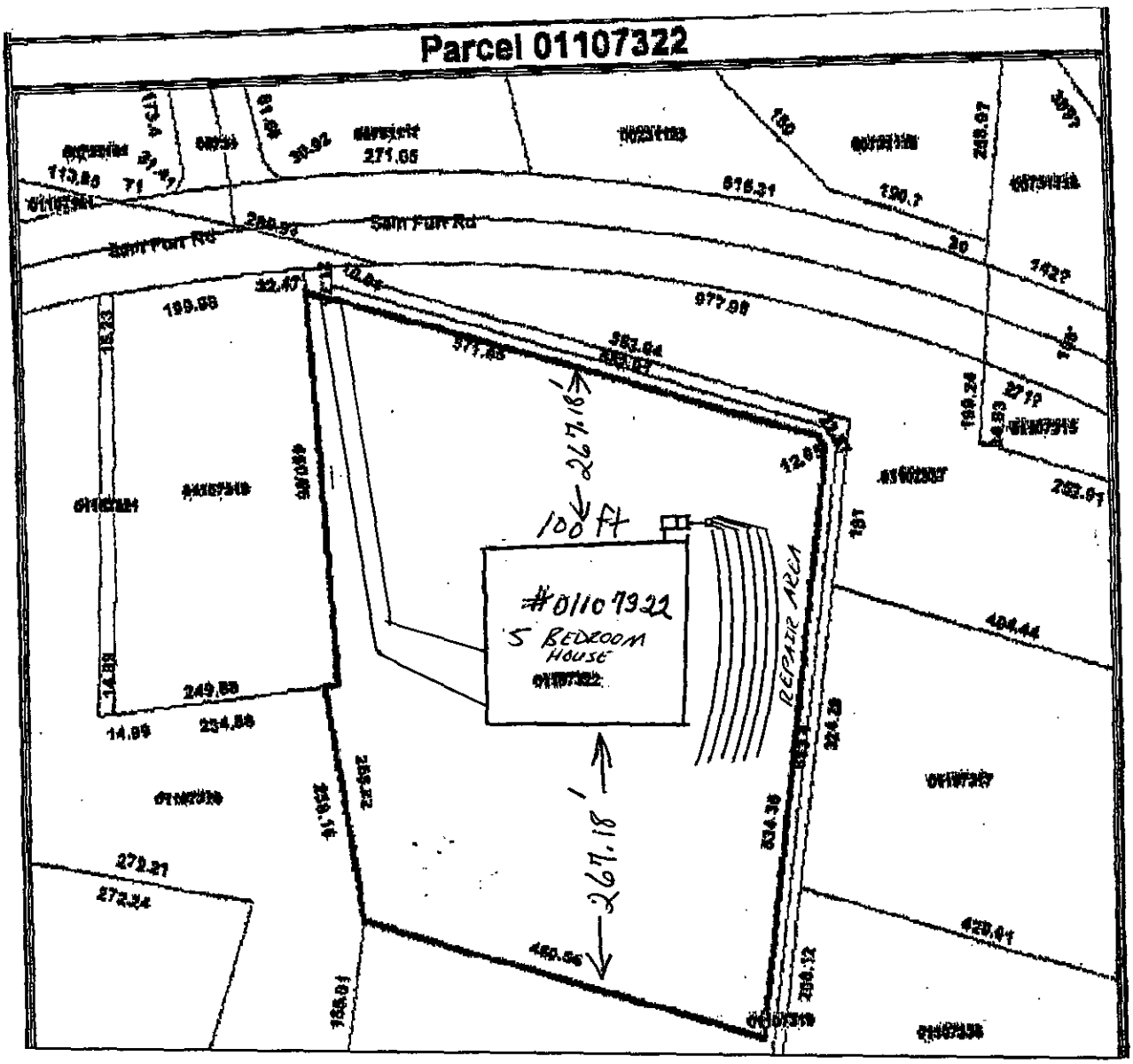
Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

54598

011-073-22




COMMENTS:

→ Drawing not to scale
→ System designed for a 5 Bedroom House
→ 1500 gallon septic tank
→ Install 6 lines x 111' x 3' x 12" stone (667 TLF)
→ Type II Conventional System + Repair

Jenny Mickler R.S. 12/19/03

Buyer [redacted]
Seller [redacted]
Seller [redacted]

**Mecklenburg County, North Carolina**

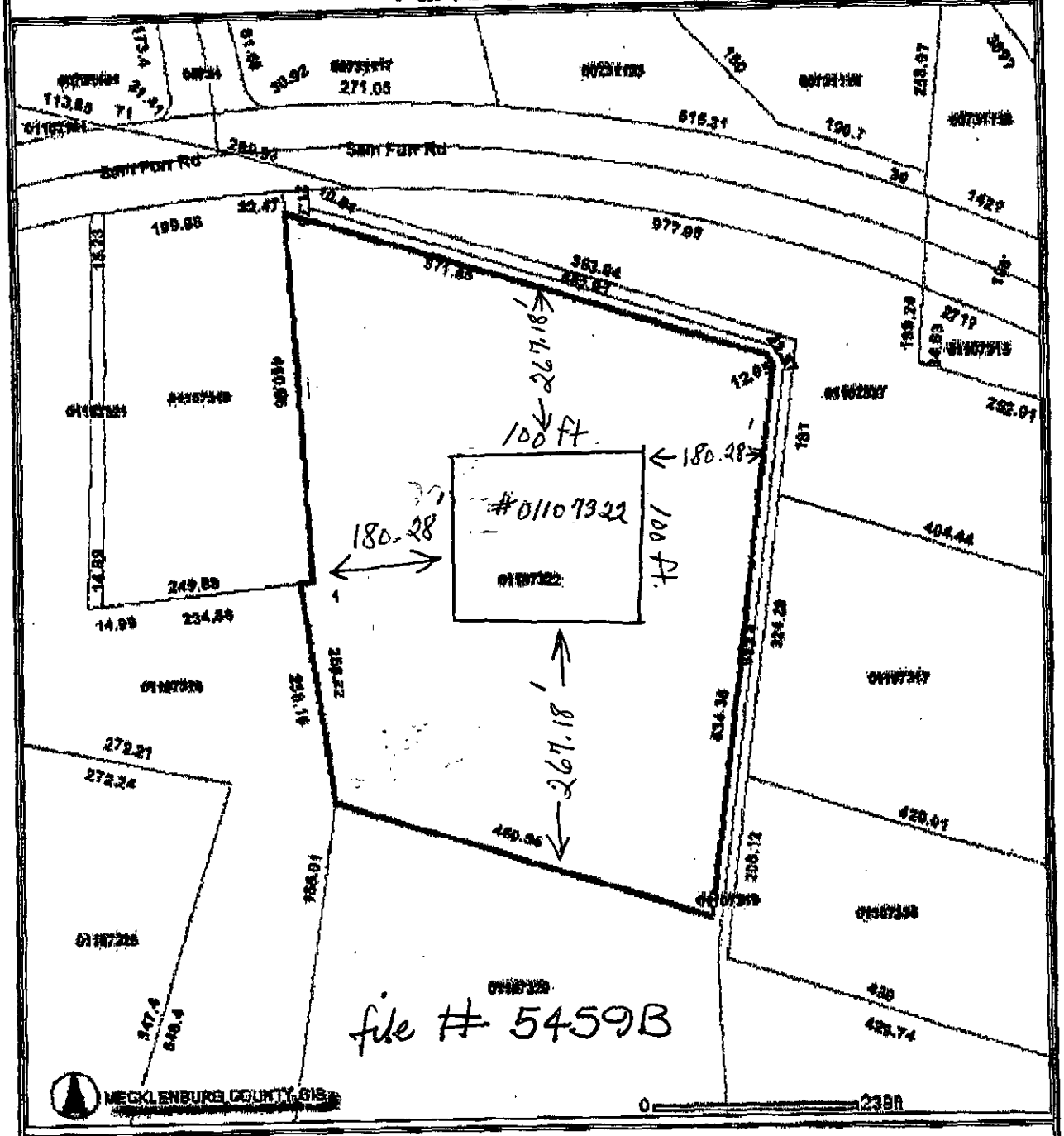
# POLARIS

EXHIBIT "A"

**Property Ownership Land Records Information System**

Date Printed: Thu Nov 20 16:32:29 EST 2003

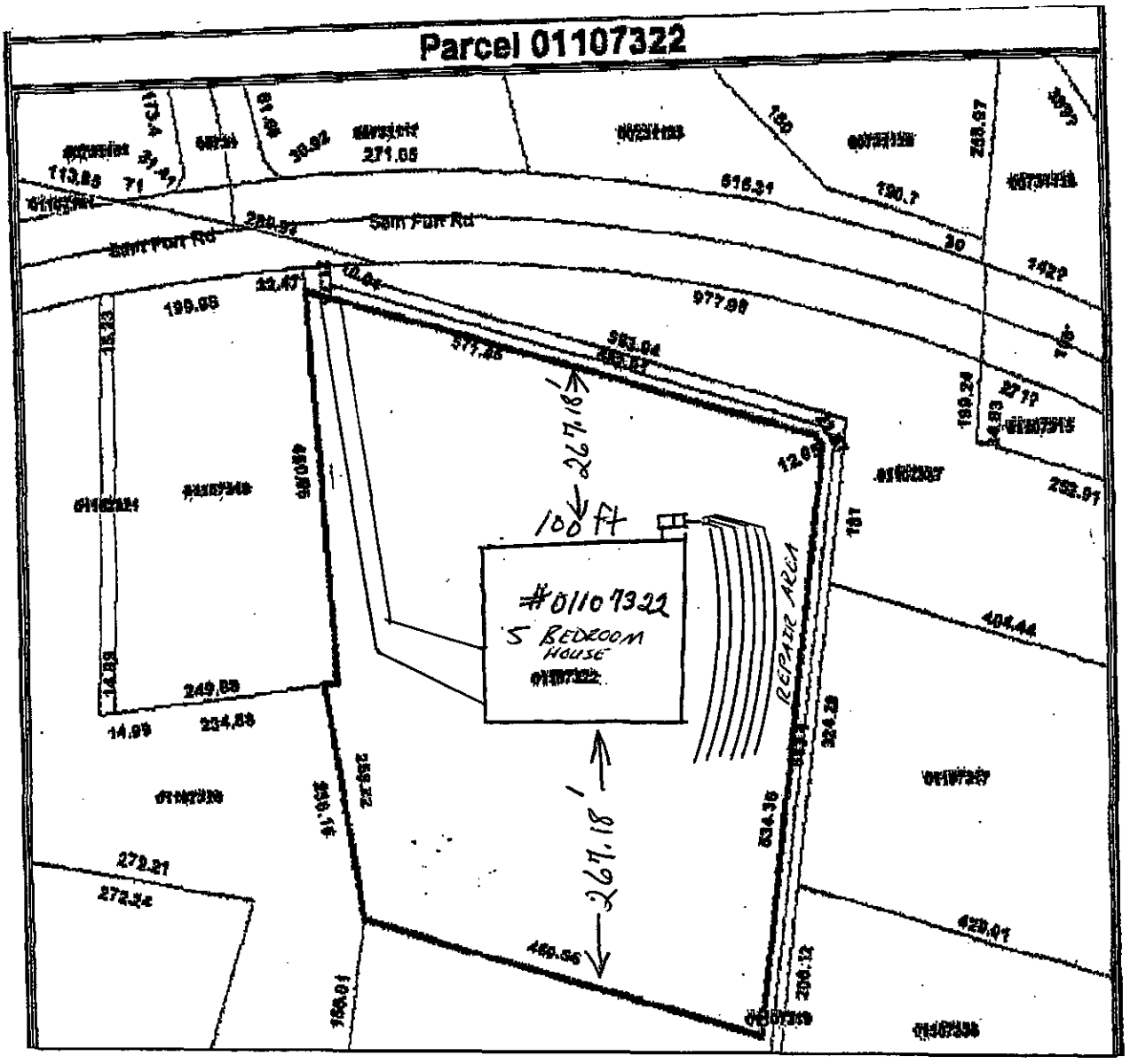
## Parcel 01107322




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

54598

011-073-22




COMMENTS:

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→ 1500 gallon septic tank

→ Install 6 lines x 111' x 3' x 12" stone (667 TLF)

→ Type II Conventional System + Repair

Jenny Mickler R.S. 12/19/03

FEE: 200.00
DATE: 12-8-03
Check 2342 JKA

**APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM**

[ ] CRT

TYPE APPLICATION: [✓] NEW SYSTEM [ ] EXPANSION/ ALTERATION OF EXISTING SYSTEM [ ] REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Jeremy

FILE #: 5459B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 01107322

STREET ADDRESS: Sam Furr Rd (N.C. Hwy 73) 28078

SUBDIVISION OR MOBILE HOME PARK NAME: N/A

LOT NUMBER:

TYPE OF BUILDING (CHECK ONE):

- [ ] SINGLE MOBILE HOME(S)
- [ ] DOUBLE WIDE (D)
- [✓] HOUSE (H)
- [ ] MODULAR HOME (M)
- [ ] MULTIPLE FAMILY (U)
- [ ] OTHER (O)

TOWNSHIP (CHECK ONE):

- [✓] 0 MECKLENBURG
- [ ] 1 CHARLOTTE
- [ ] 2 DAVIDSON
- [ ] 3 CORNELIUS
- [ ] 4 PINEVILLE
- [ ] 5 MATTHEWS
- [✓] 6 HUNTERSVILLE
- [ ] 7 MINT HILL

HEATED SQUARE FOOTAGE: 6,000

NUMBER OF BEDROOMS: 5 NUMBER OF OCCUPANTS: 5

CLOSING DATE 1/06/04

FOUNDATION FOR RESIDENCE:

- [ ] WITHOUT BASEMENT
- [ ] ON SLAB
- [ ] CRAWL SPACE
- [✓] WITH BASEMENT /PLUMBING
- [ ] WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: [ ] YES [✓] NO TYPE: _____

WATER SUPPLY (CHECK ONE):

- [ ] COMMUNITY (C)
- [ ] SHARED WELL (S)
- [✓] MUNICIPAL (M)
- [ ] OTHER 'SPRINGS' (O)
- [✓] PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

| | | | |
|---|---|---|---|
| BURIED CABLES, LANDFILLS, STUMPHOLES | [ ] YES [✓] NO | WELL, SPRINGS OR WATERLINES | [ ] YES [✓] NO |
| EXISTING WASTEWATER SYSTEMS | [ ] YES [✓] NO | DESIGNATED WETLANDS | [ ] YES [✓] NO |
| EASTMENTS OR RIGHT-OF-WAYS | [ ] YES [✓] NO | | |

PROPERTY OWNER:

NAME: Short (LAST) Rodney (FIRST) A. (MI)

ADDRESS: 18731 River Run Drive

CITY: Davidson, STATE: N.C. ZIP: 28036

DAYTIME PHONE: (704) - 896-2112

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) -

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 04626-548 (2/15/03)

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the 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 Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Rodney A. Short by Richard V. Jefferson, Agent DATE: 12/8/03

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

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

Sheet: 1
Property ID: 011-073-~~02~~ 2
Lot #:
File #: 54598
Code: 1

ACS

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Rodney A. Short
Applicant:
Address: 18731 River Run Drive, Davidson, N. C. 28036
Date Evaluated: 12/15/2003
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 1.0a inv.
Location of Site: Sam Furr Road
Property Recorded:
Water Supply: [ ] Public [ x ] 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 | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS, 8 | 0-4 | GR/SCL | FR/SEXP/SS/SP | >49" TO SOIL WETNESS | 49 | N/A | NONE | PS, IV .3GPD/FT$^2$ |
| | | 4-21 | SBK/SCL | " | | | | | |
| | | 21-40 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 40-49 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 2 | " | 0-3 | GR/SCL | " | >37" TO SOIL WETNESS | 37 | " | " | " |
| | | 3-23 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 23-37 | SBK/SCL | FR/SEXP/SS/SP | | | | | |
| 3 | " | 0-4 | GR/SCL | " | >48" TO SOIL WETNESS | 48 | " | " | " |
| | | 4-36 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 36-48 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 4 | " | 0-5 | GR/SCL | " | >37" TO SOIL WETNESS | 37 | " | " | " |
| | | 5-23 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 23-37 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 5 | " | 0-2 | GR/SCL | " | >29" TO SOIL WETNESS | 29+ | " | " | US |
| | | 2-22 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 22-29 | SBK/ABK/C | VFI/EXP/VS/VP | | | | | |
| 6 | " | 0-4 | GR/SCL | FR/SEXP/SS/SP | >43" TO SOIL WETNESS | 43 | " | " | PS, IV .3GPD/FT$^2$ |
| | | 4-30 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 30-43 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 7 | " | 0-5 | GR/SCL | " | >48" TO SOIL WETNESS | 48 | " | " | " |
| | | 5-48 | SBK/C | FI/SEXP/S/P | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | | |
| Site LTAR | .3GPD/FT$^2$ | .3GPD/FT$^2$ |

Other Factors (.1946): _____
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 12/16/2003. W. R. Marlin
Others Present:

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

Sheet: 2
Property ID: 011-073-02
Lot #:
File #: 5459B
Code: 1

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

Owner: Applicant:
Address: Date Evaluated:
Proposed Facility: Design Flow (.1949): Property Size:
Location of Site: Property Recorded:
Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 8 | LS, 8 | 0-4 | GR/SCL | FR/SEXP/SS/SP | >49" TO SOIL WETNESS | 49 | N/A | NONE | PS, IV .3GPD/FT$^2$ |
| | | 4-35 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 35-49 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 9 | " | 0-8 | GR/SCL | " | >48" TO SOIL WETNESS | 48 | " | " | " |
| | | 8-36 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 36-48 | SBK/CL | FR/SEXP/SS/SP | | | | | |

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

Other Factors (.1946): _____
Site Classification (.1948):
Evaluated By:
Others Present:

FILE # 5459B

## COMMENTS: Not sure if 100% repair required

| LANDSCAPE POSITIONS | GROUP | TEXTURES | .1955 LTAR | CONSISTENCE MOIST | WET |
|---|---|---|---|---|---|
| R-RIDGE | I | S-SAND | 1.2 - 0.8 | | |
| S-SHOULDER SLOPE | | LS-LOAMY SAND | | VFR-VERY FRIABLE | NS-NON-STICKY |
| L-LINEAR SLOPE | | | | FR-FRIABLE | SS-SLIGHTLY STICKY |
| FS-FOOT SLOPE | II | SL-SANDY LOAM | 0.8 – 0.6 | FI-FIRM | S-STICKY |
| N-NOSE SLOPE | | L-LOAM | | VFI-VERY FIRM | VS-VERY STICKY |
| H-HEAD SLOPE | | | | EFI-EXTREMELY FIRM | NP-NON-PLASTIC |
| CC-CONCLAVE SLOPE | III | SI-SILT- | 0.6 – 0.3 | | SP-SLIGHTLY STICKY |
| CV-CONVEX SLOPE | | SIL-SILT LOAM | | | P-PLASTIC |
| T-TERRACE | | CL-CLAY LOAM | | | VP-VERY PLASTIC |
| FP-FLOOD PLAN | | SCL-SANDY CLAY LOAM | | | |
| | | SICL-SILTY CLAY LOAM | | | |
| | IV | SIC-SILTY CLAY | 0.4 – 0.1 | | |
| | | C-CLAY | | | |
| | | SC-SANDY CLAY | | | |

| STRUCTURE | MINERALOGY |
|---|---|
| SG-SINGLE GRAIN | SLIGHTLY EXPANSIVE |
| M-MASSIVE | |
| CR-CRUMB | EXPANSIVE |
| GR-GRANULAR | |
| SBK-SUBANGULAR BLOCKY | |
| ABK-ANGULAR BLOCKY | |
| PL-PLATY | |
| PR-PRISMATIC | |

