BM

FILE NUMBER: 7547B

Revised On: January 3, 2007

APPLICATION NUMBER: 3097

SEPTIC FEE: 200.00
DATE: 12-7-07
C/K# 2180

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

WELL FEE: _____
DATE: _____

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

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

3. **JOB LOCATION INFORMATION:**

TAX PARCEL NUMBER: 01124111
STREET ADDRESS: 14301 BLACK FARMS RD
CITY: HUNTERSVILLE
STATE: NC ZIP: 28078
SUBDIVISION NAME: SADDLEBROOK ESTATES
LOT #: 17 LOT SIZE (acres): 0.767
TOWNSHIP:

☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☒ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. **BUILDING INFORMATION:**

BUILDING TYPE:

☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☒ HOUSE ☐ OTHER _____

HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS:
FOUNDATION TYPE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. **IF PLANNING TO EXPAND OR ALTER THE EXISTING SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION:** ☒ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. **WATER SUPPLY:** ☒ MUNICIPAL ☐ PUBLIC WELL ☐ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

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

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

☐ ANY TYPE ☒ CONVENTIONAL ☒ ACCEPTED ☒ INNOVATIVE ☒ ALTERNATIVE ☐ OTHER _____

8A. **RANK:** 1 2 3 4 ___

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

10. **PROPERTY OWNER:**

NAME: DAVID DEQUICK
ADDRESS: 390 TEMPLETON RD
CITY: MOORESVILLE
STATE: NC ZIP: 28117
HOME PHONE: 704-664-7702 WORK PHONE:
MOBILE PHONE: FAX:

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

NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

12. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** _____

13 **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** _____

14. **SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:**
If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either 60 months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

David J. DeQuick 9/13/07
Property Owner's or Owner's Legal Representative Signature Date

15. **WELL PERMIT APPLICATION SIGNATURE SECTION:**
If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of 12 months from the date of issuance.

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

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

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

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 12/07/07 | **Amount:** | 4,000.00 |
| **Receipt #:** | 54027 | **Tendered:** | 4,000.00 |
| **Check / Auth #:** | CHECK 2180 | **Returned:** | 4,000.00 |
| **Received By:** | GLADNAG | | |

**Account Information**

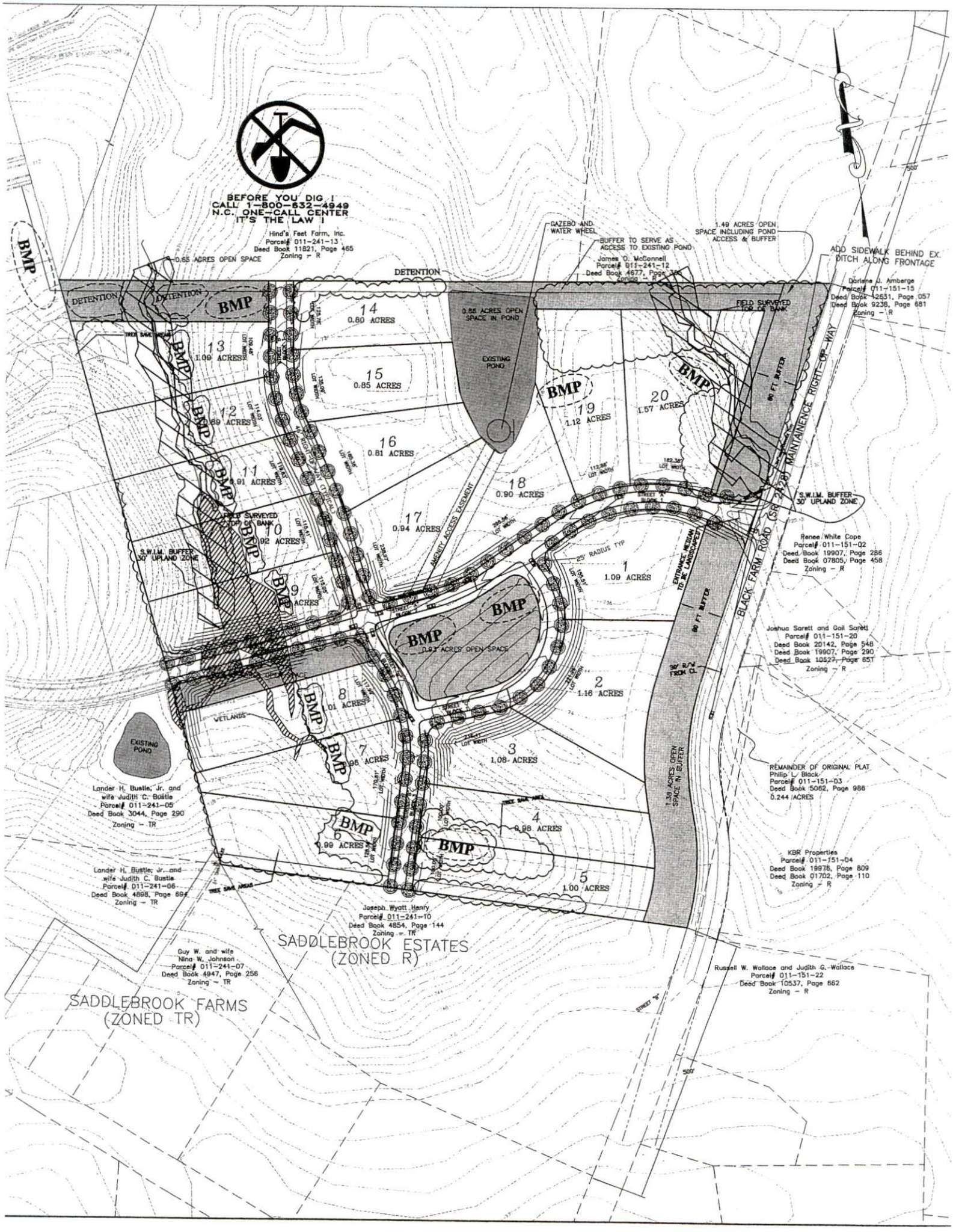
**Account #:** 200000
**Contractor:** DEQUICK DAVID & FREDA A
**Attn:**
**Address:** 390 TEMPLETON RD
**Address:**
**City/State/Zip:** MOORESVILLE, NC 28117

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0701 | Improvment Permit App-Residen<br>20 LOTS(1-20)BLACK FARMS RD | | 1 | 4,000.00 | 4,000.00 |

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

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

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BEFORE YOU DIG !
CALL 1-800-632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW !
Hinds Feet Farm, Inc.
Parcel# 011-241-13
Deed Book 11821, Page 465
Zoning - R
0.65 ACRES OPEN SPACE
GAZEBO AND WATER WHEEL
BUFFER TO SERVE AS ACCESS TO EXISTING POND
1.49 ACRES OPEN SPACE INCLUDING POND ACCESS & BUFFER
James O. McConnell
Parcel# 011-241-12
Deed Book 4677, Page 185
Zoning - R
ADD SIDEWALK BEHIND EX. DITCH ALONG FRONTAGE
Darlene O. Amberge
Parcel# 011-151-15
Deed Book 12631, Page 057
Deed Book 9238, Page 681
Zoning - R
DETENTION
BMP
FIELD SURVEYED TOP OF BANK
0.85 ACRES OPEN SPACE IN POND
EXISTING POND
60 FT BUFFER
MAINTAINENCE RIGHT-OF-WAY
S.W.I.M. BUFFER 30' UPLAND ZONE
AMENITY ACCESS EASEMENT
BLACK FARM ROAD (SR 2238)
ENTRANCE MEDIAN TO BE LANDSCAPED
25' RADIUS TYP
30' R/W FROM C/L
1.30 ACRES OPEN SPACE IN BUFFER
0.83 ACRES OPEN SPACE
WETLANDS
TREE SAVE AREA
Renee White Cope
Parcel# 011-151-02
Deed Book 19907, Page 286
Deed Book 07805, Page 458
Zoning - R
Joshua Sarett and Gail Sarett
Parcel# 011-151-20
Deed Book 20142, Page 548
Deed Book 19907, Page 290
Deed Book 10529, Page 651
Zoning - R
REMAINDER OF ORIGINAL PLAT
Phillip L. Black
Parcel# 011-151-03
Deed Book 5062, Page 986
0.244 ACRES
KBR Properties
Parcel# 011-151-04
Deed Book 19976, Page 809
Deed Book 01702, Page 110
Zoning - R
Lander H. Bustle, Jr. and wife Judith C. Bustle
Parcel# 011-241-05
Deed Book 3044, Page 290
Zoning - TR
Lander H. Bustle, Jr. and wife Judith C. Bustle
Parcel# 011-241-06
Deed Book 4898, Page 694
Zoning - TR
Joseph Wyatt Henry
Parcel# 011-241-10
Deed Book 4854, Page 144
Zoning - TR
Guy W. and wife Nina W. Johnson
Parcel# 011-241-07
Deed Book 4947, Page 256
Zoning - TR
Russell W. Wallace and Judith G. Wallace
Parcel# 011-151-22
Deed Book 10537, Page 662
Zoning - R
SADDLEBROOK ESTATES
(ZONED R)
SADDLEBROOK FARMS
(ZONED TR)
1 1.09 ACRES
2 1.16 ACRES
3 1.08 ACRES
4 0.98 ACRES
5 1.00 ACRES
6 1.99 ACRES
7 1.96 ACRES
8 1.01 ACRES
9 ACRES
10 0.92 ACRES
11 0.91 ACRES
12 0.89 ACRES
13 1.09 ACRES
14 0.80 ACRES
15 0.85 ACRES
16 0.81 ACRES
17 0.94 ACRES
18 0.90 ACRES
19 1.12 ACRES
20 1.57 ACRES

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

Sheet: 1 of 2
Property ID: 011-241-11
Lot #: 17
File #: 7547B
AppID: 3094

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

Owner: DAVID DEQUICK
Applicant: DAVID DEQUICK
Address: 390 TEMPLETON RD Mooresville NC 28117
Date Evaluated: 10/29/2009
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size:
Location of Site: 14301 BLACK FARMS RD Huntersville NC
Property Recorded:
Water Supply: [ ] Public [ ] Individual [ x ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ x ] Pit [ ] Cut
Type of Wastewater: [ x ] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3% | 0-5 | GR/SCL | FR-FI,SS,P,SXP | >56" TO SOIL WETNESS | 28 | N/A | NONE | U.S IV |
| INITIAL | L.S | 5-28 | M/C | VFI,S,P,SXP | | | | | |
| | | 28-56 | M/SCL | SAPROLITE,VFI | | | | | |
| | | | | SAMPLE# 8 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2 | " | 0-7 | GR/L | FR-FI,SS,SP,SXP | >50" TO WETNESS | 12 | " | " | " |
| REPAIR | | 7-12 | GR/SCL | VFI,S,P,SXP | | | | | |
| | | 12-40 | M/SCL | SAPROLITE,FI | | | | | |
| | | 40-50 | M/SL-SCL | SAPROLITE,VFI | | | | | |
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| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | | |
| System Type(s) | | |
| Site LTAR | | |

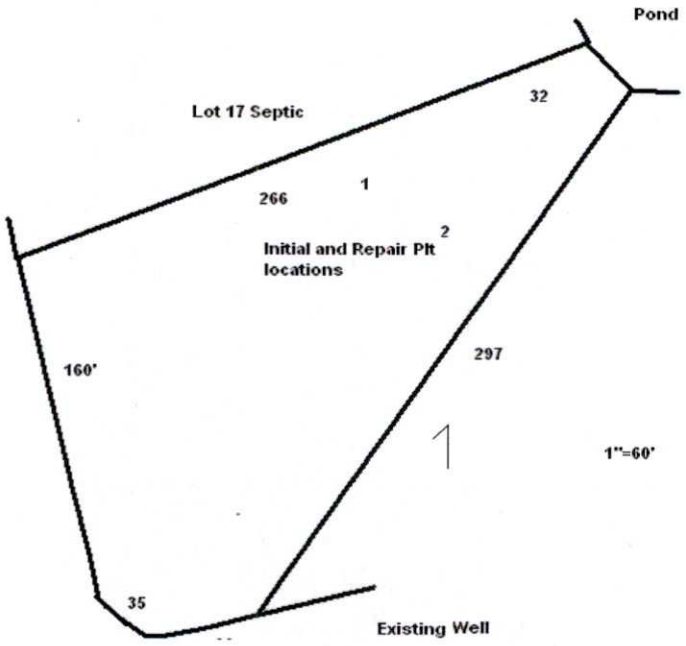
Other Factors (.1946):
Soil Evaluation By: Jason Jackson
Others Present: Jeremy Michelone
Site Classification (.1948): Unsuitable
Site Evaluation By:
Others Present:

**COMMENTS:** 100% REPAIR AREA REQUIRED.
SAMPLED FOR PARTICLE ANALYSIS# 8
LOT EVALUATION DIAGRAM ATTACHED

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

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

**Sketch of Soil Evaluation Locations**



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

Sheet: 1 of 2
Property ID: PO 011-241-11
Lot #: 17
File #: 7547B
AppID: 3097

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

Owner: David DeQuick
Applicant:
Address: 390 Templeton Road, Mooresville, N. C. 28117
Date Evaluated: 1/10/08
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: .77a
Location of Site: Off Black arms Road
Property Recorded:
Water Supply: [ x ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ x ] Pit [ ] Cut
Type of Wastewater: [ x ] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10, NS | 0-3 | GR/SCL | FR/SEXP/SS/SP | >61" TO SOIL WETNESS | 3 | US | NONE | US |
| | | 3-61 | M/SCL | " | | | | | |
| 2 | 8, HS | 0-4 | GR/SCL | " | 2.5Y6/1 AT 37" | 28 | " | " | US, SAP II |
| | | 4-28 | SBK/SCL | " | | | | | .15GPD/FT$^2$ |
| | | 28-50 | M/SCL | " | | | | | |
| 3 | LS, 6 | 0-3 | GR/SCL | " | | | PS | | PS, III |
| | | 3-26 | SBK/SCL | " | | | | | .35GPD/FT$^2$ |
| | | 26-53 | MSL | FR/SEXP/NS/NP | | | | | |
| 4 | " | 0-4 | GR/SCL | FR/SEXP/SS/SP | >52" TO SOIL WETNESS | 26 | US | " | US, III |
| | | 4-26 | SBK/SCL | " | | | | | .15GPD/FT$^2$ |
| | | 26-52 | M/SCL | " | | | | | |
| | | | | | SITE LTAR .35GPD/FT$^2$ SAP II | | | | |
| | | | | | .15GPD/FT$^2$ LPP | | | | |

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

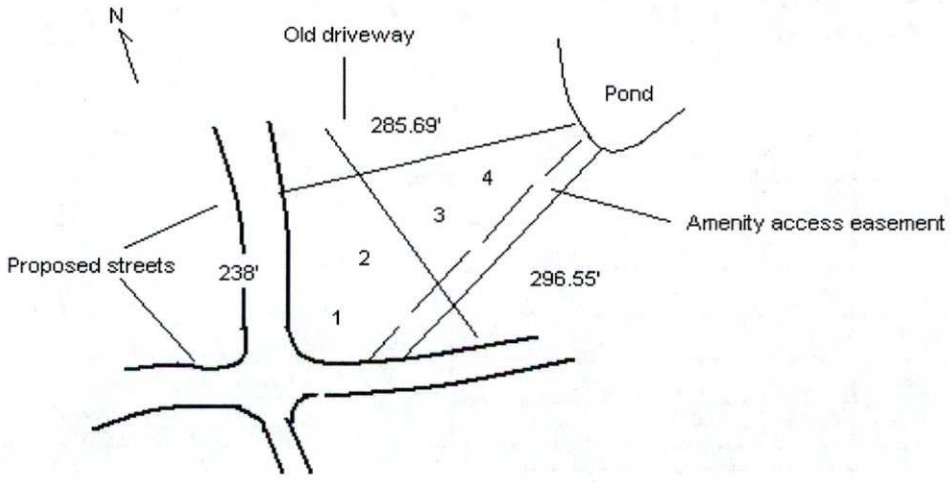
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 1/17/2008,
Others Present: J. Seagle
Site Classification (.1948):
Site Evaluation By:
Others Present:

**COMMENTS:**
100% repair

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

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

**Sketch of Soil Evaluation Locations**



www.allabs.com

# A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

## TEXTURE ANALYSIS

Client :
Mecklenburg County Government
700 N Tryon St - Ste 211
Finance Department 11th floor
Charlotte , NC 28202

Grower :
MECKLENBURG COUNTY GOVERNMENT

Date Received : 11/04/2009

Report No : 09-308-0564
Cust No : 46867
Date Printed : 11/06/2009
Page : 1 of 1
Submitted By: JASON JACKSON

| Lab No | Sample Identification | Percent Sand | Percent Silt | Percent Clay | Textural Classification |
|---|---|---|---|---|---|
| 00928 | 10 | 76.4 | 18.4 | 5.2 | Loamy Sand |
| 00927 | 9 | 80.4 | 14.4 | 5.2 | Loamy Sand |
| 00926 | 8 | 76.4 | 16.4 | 7.2 | Sandy Loam |
| 00925 | 7 | 62.4 | 24.4 | 13.2 | Sandy Loam |
| 00924 | 6 | 68.4 | 22.4 | 9.2 | Sandy Loam |

Analysis prepared by: A&L Eastern Laboratories, Inc.