B Marlin

FILE NUMBER: 7362B

Revised On: August 31, 2007

APPLICATION NUMBER: 2792

SEPTIC FEE: 200.00
DATE: 10/2/07
Visa 011123 app

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: 015-271-35
STREET ADDRESS: Kerns Rd
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME:
LOT #: 3 LOT SIZE (acres): 7 1/2
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: 3
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 | ____ | ____ |

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 |

10. PROPERTY OWNER:
NAME: Hecht Development
ADDRESS: 388. N. Hwy 16
CITY: Denver
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-996-0117 FAX:

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: Danny Edwards
ADDRESS: 388 N. Hwy 16
CITY: Denver
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704 996-0117 FAX:

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 2-1-07
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.

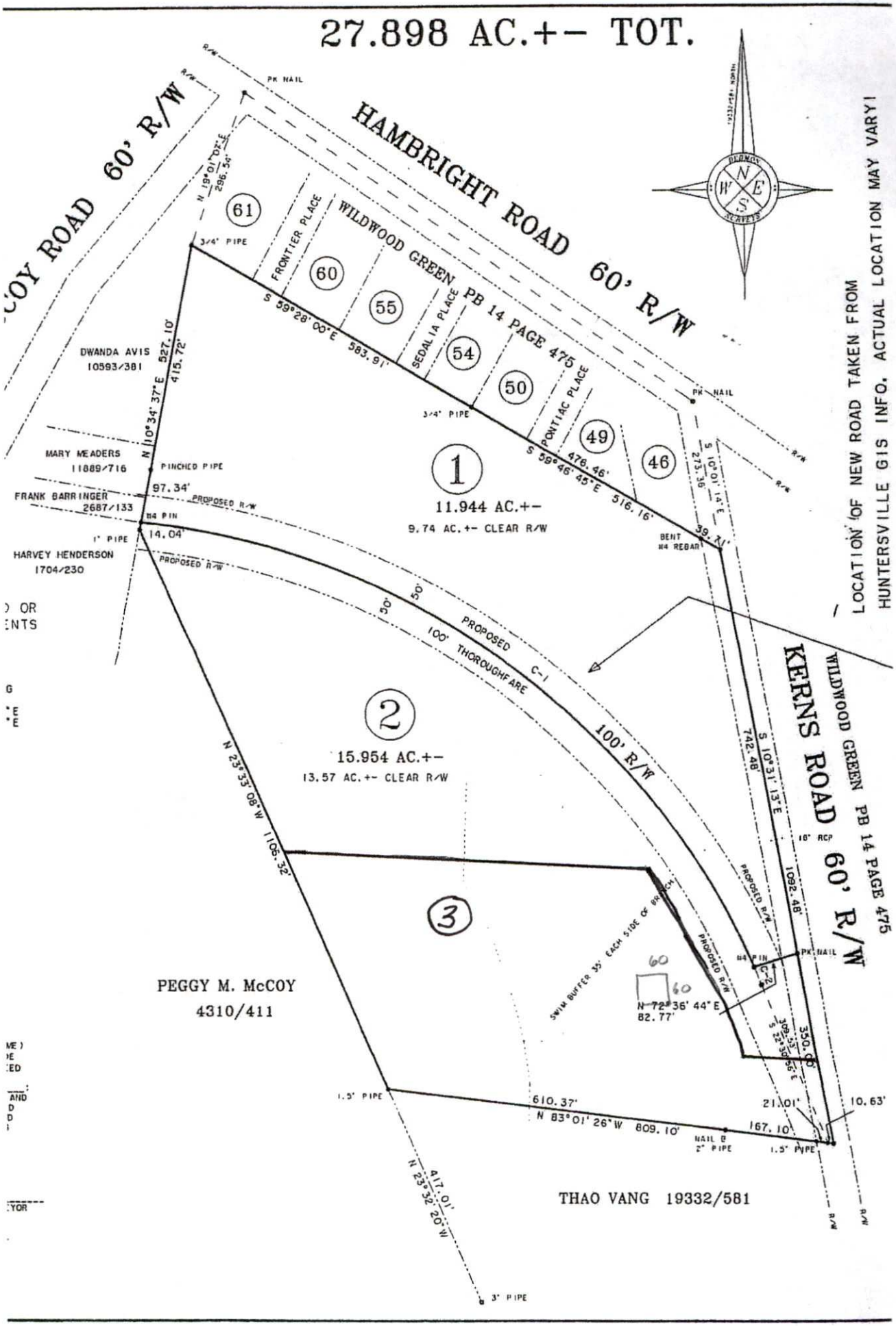
[signature] 10-2-07
Property Owner's or Owner's Legal Representative Signature Date

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-GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211, CHARLOTTE, NC 28202 PHONE: (704) 336-5103 FAX: (704) 336-6894


27.898 AC.+- TOT.
HAMBRIGHT ROAD 60' R/W
'COY ROAD 60' R/W
PK NAIL
WILDWOOD GREEN PB 14 PAGE 475
FRONTIER PLACE
SEDALIA PLACE
PONTIAC PLACE
61
60
55
54
50
49
46
3/4" PIPE
S 59°28'00"E 583.91'
S 59°46'45"E 516.16'
N 10°34'37"E 527.10'
415.72'
DWANDA AVIS
10593/381
MARY MEADERS
11889/716
PINCHED PIPE
97.34'
FRANK BARRINGER
2687/133
PROPOSED R/W
#4 PIN
14.04'
1" PIPE
HARVEY HENDERSON
1704/230
1
11.944 AC.+-
9.74 AC.+- CLEAR R/W
S 10°01'14"E 213.36'
39.71'
BENT #4 REBAR
LOCATION OF NEW ROAD TAKEN FROM HUNTERSVILLE GIS INFO. ACTUAL LOCATION MAY VARY!
50'
50'
PROPOSED C-1
100' THOROUGHFARE
100' R/W
2
15.954 AC.+-
13.57 AC.+- CLEAR R/W
N 23°33'08"W 1106.32'
WILDWOOD GREEN PB 14 PAGE 475
KERNS ROAD 60' R/W
S 10°31'13"E 742.48'
1092.48'
18" RCP
PROPOSED R/W
3
60
60
N 72°36'44"E 82.77'
SWIM BUFFER 35' EACH SIDE OF BRANCH
#4 PIN
PK NAIL
C-1
S 22°50'56"E 309.35'
350.00'
PEGGY M. McCOY
4310/411
1.5" PIPE
610.37'
N 83°01'26"W 809.10'
21.01'
10.63'
167.10'
NAIL & 2" PIPE
1.5" PIPE
N 23°32'20"W 417.01'
3" PIPE
THAO VANG 19332/581

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

Sheet: 1 of 2
Property ID: PO 015-271-35
Lot #: 3
File #: 7326B
AppID: 2792

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

Owner: Hecht Development
Applicant: Danny Edwards
Address: 388 N. Highway 16, Denver, N. C. 28037
Date Evaluated: 10/16/07
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: Approx 6 acres in tract
Location of Site: Kerns Road
Property Recorded:
Water Supply: [ ] Public [ x ] Individual [ x ] 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 | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS, 6 | 0-10 | GR/SCL | FR/SEXP/SS/SP | >27" TO SOIL WETNESS | 27 | N/A | NONE | US, IV |
| | | 10-27 | SBK/SC | FI/SEXP/S/P | | | | | .12GPD/FT$^2$ |
| 2 | " | 0-7 | GR/SCL | FR/SEXP/SS/SP | >36" TO SOIL WETNESS | 36+ | " | " | PS, IV |
| | | 7-36 | SBK/C | FI/SEXP/S/P | | | | | .25GPD/FT$^2$ |
| | | BORING | TERMINATED | AT 36" FLOATER ROCK | | | | | |
| 3 | " | 0-5 | GR/SL | VFR/SEXP/NS/NP | >10" TO SOIL WETNESS | 10+ | " | " | US |
| | | 5-10 | SBK/ABK/C | VFI/EXP/S/VP | | | | | |
| 4 | " | 0-5 | GR/SCL | FR/SEXP/SS/SP | >13" TO SOIL WETNESS | 13+ | " | " | " |
| | | 5-13 | SBK/ABK/C | VFI/EXP/S/VP | | | | | |
| 5 | " | 0-4 | GR/CL | FR/SEXP/SS/SP | >11" TO SOIL WETNESS | 11+ | " | " | " |
| | | 4-11 | SBK/ABK/C | VFI/EXP/S/VP | | | | | |
| 6 | " | 0-5 | GR/SCL | FR/SEXP/SS/SP | >16" TO SOIL WETNESS | 16+ | " | " | " |
| | | 5-16 | SBK/ABK/C | VFI/EXP/S/VP | | | | | |
| 7 | " | 0-5 | GR/SCL | FR/SEXP/SS/SP | >10" TO SOIL WETNESS | 10+ | " | " | " |
| | | 5-10 | SBK/ABK/C | VFI/EXP/S/VP | | | | | |
| | | | | | SITE LTAR .25GPD/FT$^2$ CONV. | | | | |
| | | | | | .12GPD/FT$^2$ LPP | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | US | US |
| System Type(s) | | |
| Site LTAR | 0.25 | 0.25 |

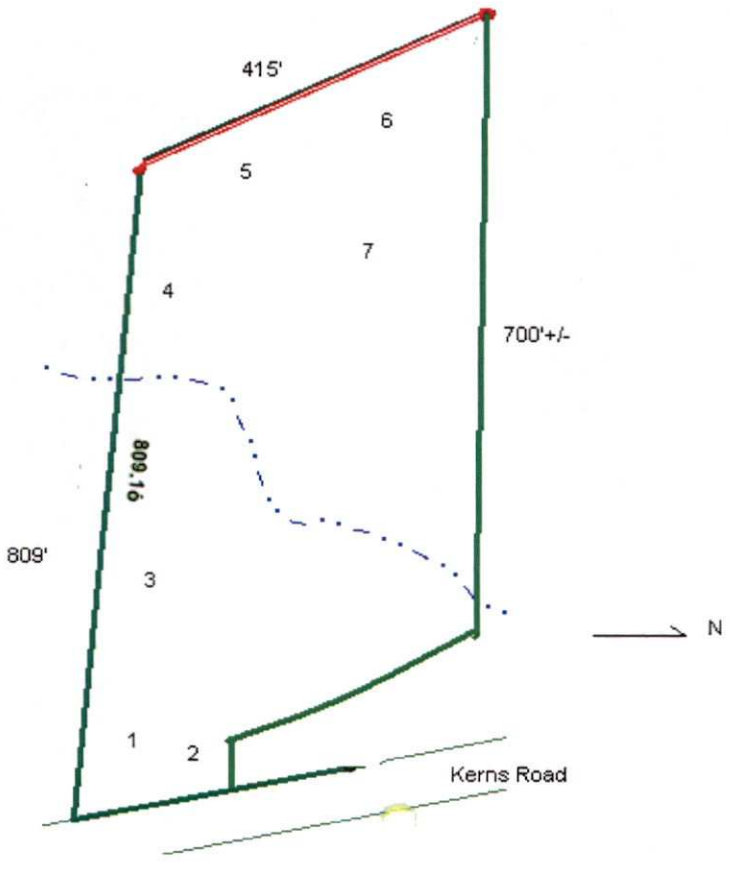
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 10/17/2007,
Others Present:
Site Classification (.1948): UNSUITABLE
Site Evaluation By:
Others Present:

**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**



# MECKLENBURG COUNTY
## Health Department

October 22, 2007

Hecht Development
388 N. Hwy 16
Denver, NC 28037

Re: Application for improvement permit for:
Property Site: Lot #3 Kerns Road
Health Department file number: **7362B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on October 22, 2007 evaluated the above-referenced property at the site designated on the site plan that accompanied your improvement permit application. According to your application the site is to serve a five bedroom house, with a daily design flow of 600 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .l900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE** for a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☒ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☒ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☐ Unsuitable soil wetness condition (Rule .1942)
- ☒ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☒ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to ground water or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or off-site to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is October 22, 2007. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

Jeremy Michelone, R.S.
Authorized Agent - DENR

Encl: (2)