

11928 RAMAH CHURCH RD

01926407

1/11/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

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

Sheet: 1 of 2
Property ID: 019-264-07
Lot #:
File #: 6953B
AppID: 1910

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Terry Mayberry
Applicant:
Address: 14143 Bramborough Road, Huntersville, N. C. 28078
Date Evaluated: 2/22/07
Proposed Facility: Commercial Design Flow (.1949): 200gpd
Property Size: 1.58a
Location of Site: 11928 Ramah Church Road
Property Recorded:
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	Profile Class & LTAR
1	LS, 5	0-5	GR/SCL	FR/SEXP/SS/SP	>20" TO SOIL WETNESS	15+	N/A	NONE	US
		5-15	SBK/SC	FI/SEXP/S/P					
		15-20	SBK/ABK/C	VFI/EXP/VS/VP					
2	LS, 8	0-3	GR/SCL	FR/SEXP/SS/SP	>9" TO SOIL WETNESS	9+	"	"	"
		3-9	SBK/ABK/C	VFI/EXP/VS/VP					
3	"	0-2	GR/CL	FR/SEXP/SS/SP	>6" TO SOIL WETNESS	6+	"	"	"
		2-6	SBK/ABK/C	VFI/EXP/VS/VP					
4	"	0-4	GR/CL	FR/SEXP/SS/SP	>16" TO SOIL WETNESS	16+	"	"	"
		4-16	SBK/ABK/C	VFI/EXP/VS/VP					
5	LS, 5	0-4	GR/SCL	FR/SEXP/SS/SP	>11" TO SOIL WETNESS	11+	"	"	"
		4-11	SBK/ABK/C	VFI/EXP/VS/VP					
6	"	0-6	GR/CL	FR/SEXP/SS/SP	>20" TO SOIL WETNESS	20+	"	"	"
		6-20	ABK/SBK/C	VFI/EXP/VS/VP					
		PITS	INVESTIGATED	4/23/08 AW/DM	NO LTAR SUGGESTED	BORINGS	US		
1-A	LS, 5	0-7	GR/CL	FR/SEXP/SS/SP	>61" TO SOIL WETNESS	26	US	NONE	US
		7-15	ABK/C	FISEXP/S/P					
		15-26	ABK/C	FI-VFI/EXP/S/VP					
		26-61	M/CL	FR/SEXP/SS/SP					

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 2/23/2007.
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS: FILE #: 6953B

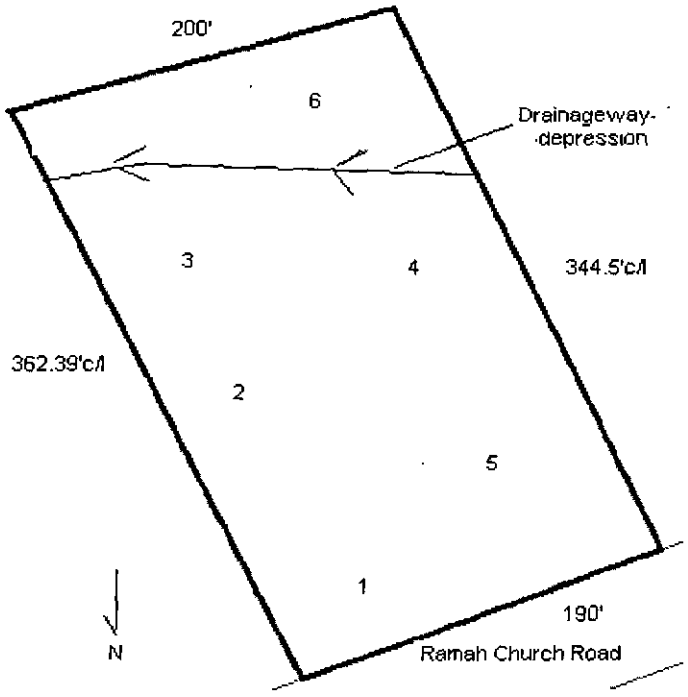
Not sure if 100% repair is required

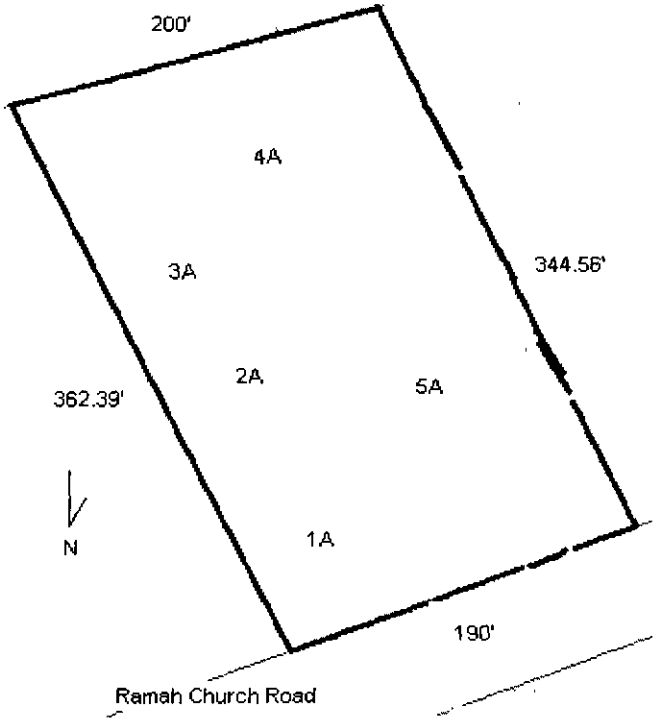
Pits evaluated 4/23/08, Terry Mayberry present

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: 3 OF 3
File #: 6953b

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
CONTINUED

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
2A	LS, 5	0-6	GR/CL	FR/SEXP/SS/SP	>47" TO SOIL WETNESS	16	US	NONE	US
		6-16	ABK/SBK/C	VFI/EXP/S/VP					
		16-47	M/CL	FR/SEXP/SS/SP					
		47+	WEATHERED	ROCK					
3A	"	0-4	GR/CL	FR/SEXP/SS/SP	>40" TO SOIL WETNESS	17	"	"	"
		4-17	ABK/C	VFIEXP/S/VP					
		17-40	M/CL	FR/SEXP/SS/SP					
4A	"	0-18	GR/SCL	"	10YR/4/2 AT 16"	56	N/A	"	"
		18-56	M/C-SC	VFI/EXP/SVP					
5A	"	0-6	GR/CL	FR/SEXP/SS/SP	>51" TO SOIL WETNESS	20	US	"	"
		6-20	ABK/C	VFI/EXP/S/VP					
		20-51	M/SCL	FR/SEXP/SS/SP					

FILE NUMBER 69538 ch 5/22 Revised On: January 3, 2007 add'l site visit pd 100.00 ck# 1/18/08 APPLICATION NUMBER: 1910

SEPTIC FEE: 400.00
DATE: 2/12/07

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES
APPLICATION FOR A COMMERCIAL 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: 019-264-07
STREET ADDRESS: 11928 RAMAH CHURCH ROAD
CITY: HUNTERSVILLE
STATE: NC ZIP: 28078
LOT #: LOT SIZE (acres): 1.44
TOWNSHIP:
☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☑ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:
DESCRIBE TYPE OF BUSINESS: OFFICE - WAREHOUSE FLEX SPACE
☑ COMMERCIAL ☐ INDUSTRIAL
SQUARE FOOTAGE OF FACILITY: 10,000
NUMBER OF EMPLOYEES PER SHIFT: 8
NUMBER OF SHIFTS: 1 NUMBER OF SEATS: _____
TYPE OF WASTEWATER GENERATED:
☑ DOMESTIC SEWAGE ☐ INDUSTRIAL WASTEWATER
☐ OTHER _____

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWATER FLOW AND/OR A JUSTIFICATION FOR SYSTEM ALTERATION IS REQUIRED.

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:	____	____	____	____	____	____

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: TERRY MAYBERRY
ADDRESS: 14143 BRAMBOROUGH ROAD
CITY: HUNTERSVILLE
STATE: N.C. ZIP: 28078
HOME PHONE: 704-875-3556 WORK PHONE: 704-947-6685
MOBILE PHONE: 704-507-9809 FAX: 704-947-6690

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? JULY 26, 2006
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.

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

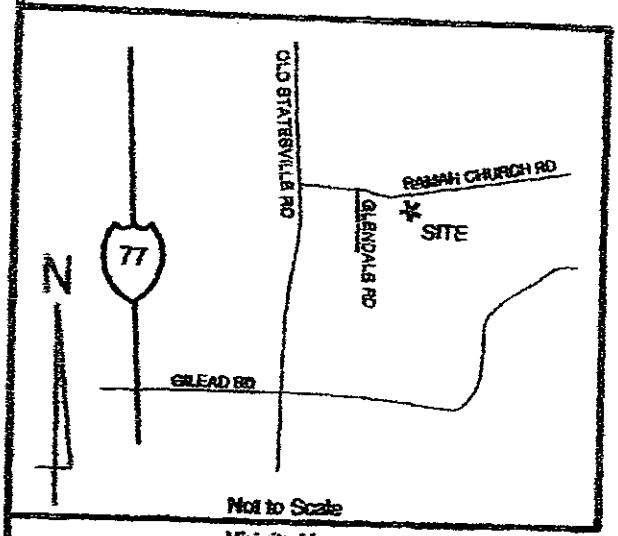
☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☐ UN-SCALED SITE PLAN SUBMITTED

THIS IS TO CERTIFY THAT ON THE 11 DAY OF September 20 06 AN ACTUAL SURVEY WAS DONE UNDER MY SUPERVISION OF THE PROPERTY SHOWN HEREON. THIS MAP IS NOT INTENDED TO MEET GS 47-30 RECORDING REQUIREMENTS.

SIGNED Robert G. Bishop

Bishop Land Surveying, Inc.
15806 Brookway Drive, Suite 200-F
Huntersville N.C. 28078
Phone (704) 987-3080
Fax (704) 987-3008

NORTH CAROLINA PROFESSIONAL SEAL L-3957 LAND SURVEYOR ROBERT G. BISHOP



LOT 11, HUNTERSRIDGE (REVISED)
MB 22, PG 481

DB 5242, PG 214

SMB AUBURN, LLC
DB 16878, PG 585

TIE TO EIP
N76°55'14"E
181.45'

EIP

S76°54'25"W 143.81'

15' DRAINAGE EASEMENT

L1

EIP

96.00
92.00
94.00

80' BUFFER

332.58'

WET WEATHER DRAINAGE DITCH

N18°42'00"W

97.00
99.00
101.00
102.00

SAMUEL H. DUNCAN, Jr.
DB 7468, PG 121

80' BUFFER

S19°43'24"E

62,930 SQ. FT.
1.445 ACRES
VACANT
#11928

200'

314.60'

HUNTERSRIDGE PARTNERS
DB 5242, PG 214

.05

TIE TO EIP
N71°47'07"E
190.16'

EIP

N71°46'41"E 190.21'

EIP

TIE TO EIP
N72°34'33"E
255.56'

RAMAH CHURCH ROAD
60' PUBLIC R/W

EHS Ter Mich.

Reviewer

6953 B County Permit Review Worksheet

Rule or Law	Permit Application	1	2	3	4	5	6	7	8	9	10
.1937(d)	Is the Application complete	✓									
.1937(d)	Is there a Site plan/Plat with application	✓									
.1937(d)	Is the Facilityshown?	✓									
.1937(d)	Are appurtenances shown	✓									
	Site Evaluation Information										
.1939 (a)(1)	Topography and Landscape Position Recorded?	✓									
.1940 (a-g)	Slope % Recorded?	✓									
.1939 (a)(2)	Texture Class Recorded?	✓									
.1939 (a)(2)	Structure type Recorded?	✓									
.1939 (a)(2)	Consistence Recorded?	✓									
.1939 (a)(2)	Mineralogy Recorded?	✓									
.1939 (a)(3)	Soil Wetness Condition Recorded?	✓									
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered?	✓									
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	✓									
.1939 (a)(6)	Sufficient Available Space Recorded?	✓									
.1937(m)	Are the Profile Locations Shown?	✓									
.1939(a) & .1945(b)	Are the S/PS Profiles in system & in repair area?	✓									
	Number of auger borings made:	2									
	Were sufficient auger borings made?	✓									
.1939(d), .1955, .1956, .1957	LTAR	0.5									
	IP/CA										
G.S. 130A-336(a) & .1937(g)	Proposed System Type stated-Initial										
.1945(b)	Proposed System Type stated-Repair										
G.S. 130A-336(a)(3)	System location identifiable by setbacks - Initial										
.1937(g) & .1945(b)	System components shown - Initial										
.1945(b)	Repair area shown										
.1937 (f)(g)	Does System design match facility, flow & WW characteristics?										
.1937 (f)(g)	Is System design consistent with soil/site conditions?										
.1937 (f)(g)	Is the System located in the approved area?										
G.S. 130A-336(a)	Is the Design flow (gpd) indicated?										
G.S. 130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?										
.1937(g)	Trench depth indicated?										
.1937(g)	Trench width indicated?										
.1937(g)	Trench length indicated?										
G.S. 130A-336(a)(1)	Proposed/existing well shown?										
G.S. 130A-336(a)(1)	Property line lengths shown?										
G.S. 130A-336(a)	Facility/appurtenance setbacks shown from fixed points?										
	OP										
.1937(i)	System type as described in table V(a) of rule .1961										
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.										

If system design is incorrect or inconsistent with site conditions, indicate why for each below

DENIAL LOT SIZE

MECKLENBURG COUNTY
Health Department

Febuary 27, 2007

Terry Mayberry
14143 Bramborough Road
Huntersville, NC 28078

Re: Application for improvement permit for:
Property Site: 11928 Ramah Church Road
Health Department file number: **6953B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on Febuary 23, 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 Office/Warehouse, with a daily design flow of 200 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 .1900 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 Febuary 27, 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.

Jeremy Michelone. R.S.
Authorized Agent - DENR

Encl: (2)

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

Sheet: 1 of 2
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Applicant:
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					NO LTAR SUGGESTED	BORINGS	US		

Description	Initial System	Repair System
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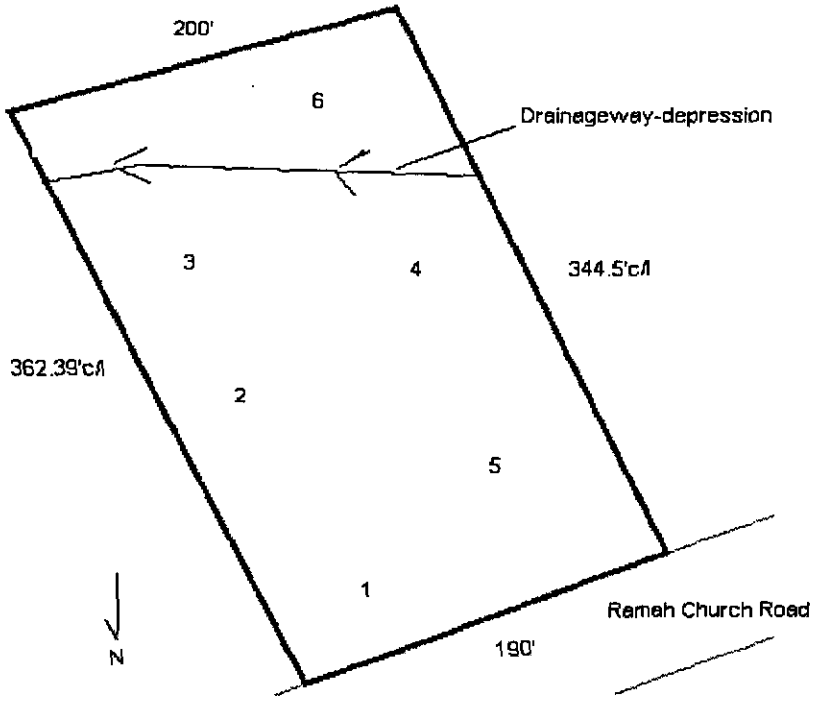
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 2/23/2007, W. R. Marlin
Others Present:
Site Classification (.1948): US
Site Evaluation By:
Others Present:

COMMENTS:
Not sure if 100% repair is required

Landscape Position	Group	Texture	.1955 LTAR	Structure
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NS-Nose Slope		L-Loam		SBK-Subangular Blocky
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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

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Date Evaluated: 2/22/07
Proposed Facility: Commercial
Design Flow (.1949): 200gpd
Property Size: 1.58a
Location of Site: 11928 Ramah Church Road
Property Recorded:
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		b PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	LS, 5	0-5	GR/SCL	FR/SEXP/SS/SP	>20" TO SOIL WETNESS	15+	N/A	NONE	US
		5-15	SBK/SC	FI/SEXP/S/P					
		15-20	SBK/ABK/C	VFI/EXP/VS/VP					
2	LS, 8	0-3	GR/SCL	FR/SEXP/SS/SP	>9" TO SOIL WETNESS	9+	"	"	"
		3-9	SBK/ABK/C	VFI/EXP/VS/VP					
3	"	0-2	GR/CL	FR/SEXP/SS/SP	>6" TO SOIL WETNESS	6+	"	"	"
		2-6	SBK/ABK/C	VFI/EXP/VS/VP					
4	"	0-4	GR/CL	FR/SEXP/SS/SP	>16" TO SOIL WETNESS	16+	"	"	"
		4-16	SBK/ABK/C	VFI/EXP/VS/VP					
5	LS, 5	0-4	GR/SCL	FR/SEXP/SS/SP	>11" TO SOIL WETNESS	11+	"	"	"
		4-11	SBK/ABK/C	VFI/EXP/VS/VP					
6	"	0-6	GR/CL	FR/SEXP/SS/SP	>20" TO SOIL WETNESS	20+	"	"	"
		6-20	ABK/SBK/C	VFI/EXP/VS/VP					
					NO LTAR SUGGESTED	BORINGS	US		

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 2/23/2007. W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

Not sure if 100% repair is required

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, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Thu Feb 22 07:44:31 EST 2007



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 contained herein.

1-0- 5 1/2 C1
5- 15- 5 C
15- 30 5 C EXP
2.0-3" C1
3- 9 C EXP

3-0- 2 11 C1
2-0 EXP
4-0- 4" C1
4- 16 C EXP
5-0- 4 1/2 S1
4- 11 C EXP

6-0- 6 1/2 C1
6- 20
EQ SB PW

Mecklenburg County, North Carolina

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1-0- 5 1/2 cl
5-15-5c
15-20 5c EXP
2-0-3 1/2 cl
3-9c EXP

3-0-2 1/2 cl
2-6 EXP
4-0-4 1/2 cl
4-16c EXP
5-0-4 1/2 cl
4-11c EXP

6-0-6 1/2 cl
6-20
EX SB PW