BM

FILE NUMBER: 7533B

SEPTIC FEE: 200.00
DATE: 12-7-07
CK# 2180

Revised On: January 3, 2007

APPLICATION NUMBER: 3077

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 #: 3 LOT SIZE (acres): 0.924
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 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

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 #: 3
File #: 7533B
AppID: 3077

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: DAVID DEQUICK
Applicant: DAVID DEQUICK
Address: 390 TEMPLETON RD Mooresville NC 28117
Date Evaluated: 10/27/2009
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	10%	0-5	GR/SCL	FR,SS,SP,SXP	MOTTLES @ 8"	58	N/A	NONE	U.S III
Initial	L.S	5-17	PR/SCL	FI,S,P,SXP	2.5YR 4/2				
Repair		17-30	M/SCL	VFI,SAPROLITE					
		30-58	M/SL	FI, SAPROLITE					
				Sampled at 40" depth					

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, Bill Marlin
Site Classification (.1948): Unsuitable
Site Evaluation By:
Others Present:

COMMENTS: 100% REPAIR AREA REQUIRED. FILE #: 7534B

SAMPLES COLLECTED FOR PARTICLE ANALYSIS

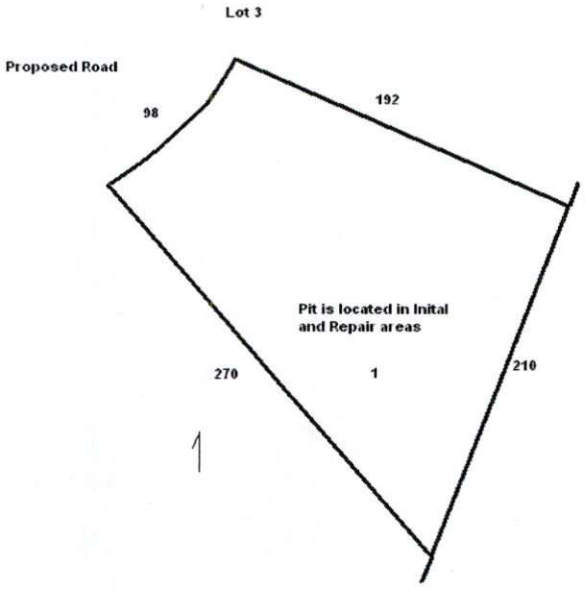
LOT EVALUATION DIAGRAM ATTACHED

SAMPLE#3

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 012-241-11
Lot #: 3
File #: 7533B
AppID: 3077

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: David DeQuick
Applicant:
Address: 390 Templeton Road, Mooresville, N. C. 28117
Date Evaluated: 12/19/07
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 1.08a
Location of Site: Off Black Farms 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	LS, 6	0-3	GR/SCL	FR/SEXP/SS/SP	>52" TO SOIL WETNESS	20	PS	NONE	PS, SAP II .35GPD/FT^2
		3-8	ABK/C	VFI/EXP/S/VP					
		6-20	M/SCL	FR/SEXP/SS/SP					
		20-52	M/SL	FR/SEXP/NS/NP					
2	"	0-6	GR/SCL	FR/SEXP/SS/SP	>51" TO SOIL WETNESS	32	US	"	US
		6-15	SBK/SCL	"					
		15-32	SBK/ABK/C	VFI/EXP/S/VP					
		32-51	M/SCL	FR/SEXP/SS/SP					
3	LS, 12	0-11	GR/SCL	"	"	14	PS	"	PS, SAP II .4GPD/FT^2
		11-14	SBK/SCL	"					
		14-51	M/SL	FR/SEXP/NS/NP					
4	LS, 10	0-3	GR/SCL	FR/SEXP/SS/SP	>55" TO SOIL WETNESS	14	"	"	"
		3-14	M/SCL	"					
		14-55	M/SL	FR/SEXP/NS/NP					
					SITE LTAR .4GPD/FT^2				

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

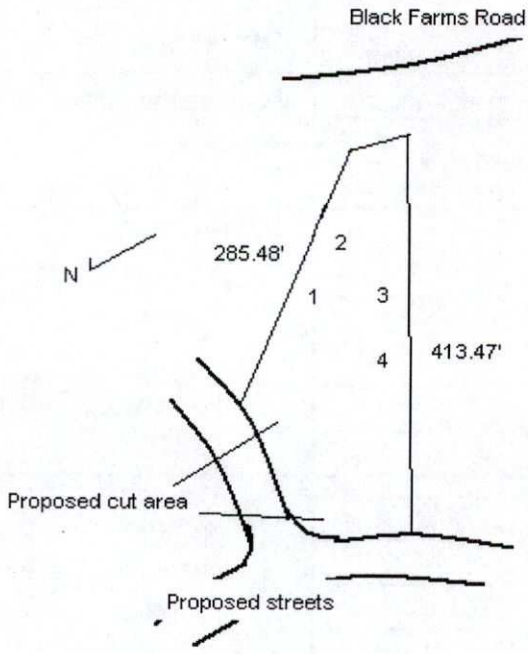
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 1/3/2008, W. R. Marlin
Others Present: Jake Seagle
Site Classification (.1948):
Site Evaluation By:
Others Present:

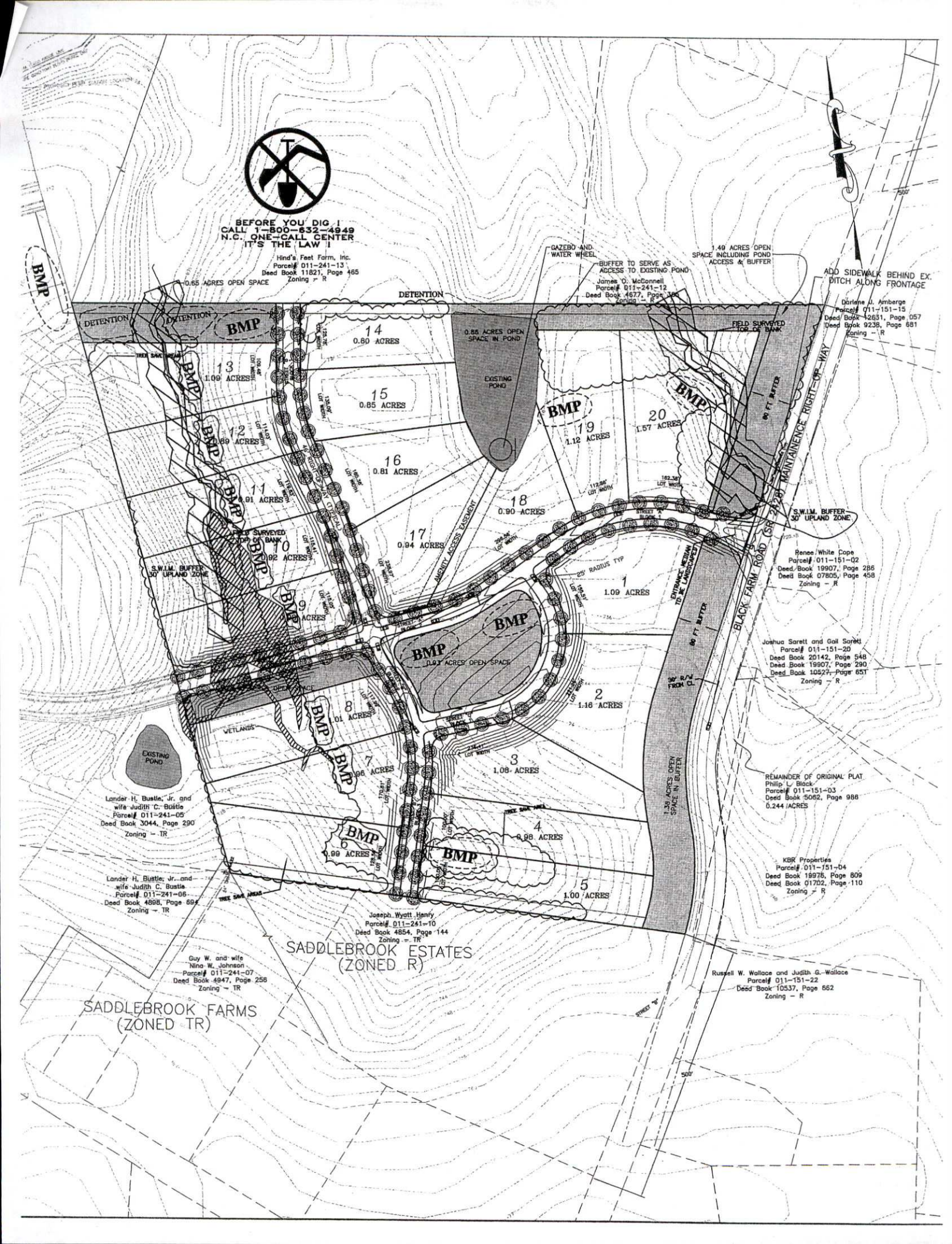
COMMENTS:
100% repair

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
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CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
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	IV	SC-Sandy Clay	0.4 - 0.1	
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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




BEFORE YOU DIG !
CALL 1-800-632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW !
Hind's Feet Farm, Inc.
Parcel# 011-241-13
Deed Book 11821, Page 465
Zoning - R
0.65 ACRES OPEN SPACE
DETENTION
BMP
GAZEBO AND WATER WHEEL
BUFFER TO SERVE AS ACCESS TO EXISTING POND
James O. McConnell
Parcel# 011-241-12
Deed Book 4677, Page 198
Zoning - R
1.49 ACRES OPEN SPACE INCLUDING POND ACCESS & BUFFER
ADD SIDEWALK BEHIND EX. DITCH ALONG FRONTAGE
Darlene J. Amberge
Parcel# 011-151-15
Deed Book 12631, Page 057
Deed Book 9238, Page 681
Zoning - R
FIELD SURVEYED TOP OF BANK
0.85 ACRES OPEN SPACE IN POND
EXISTING POND
14
0.80 ACRES
13
1.09 ACRES
15
0.85 ACRES
12
0.89 ACRES
16
0.81 ACRES
11
0.91 ACRES
17
0.94 ACRES
10
0.92 ACRES
18
0.90 ACRES
19
1.12 ACRES
20
1.57 ACRES
9
ACRES
1
1.09 ACRES
2
1.16 ACRES
8
1.01 ACRES
3
1.08 ACRES
7
96 ACRES
4
8.98 ACRES
6
0.99 ACRES
5
1.00 ACRES
0.93 ACRES OPEN SPACE
AMENITY ACCESS EASEMENT
BLACK FARM ROAD (SR 2428) MAINTAINENCE RIGHT-OF-WAY
80 FT BUFFER
S.W.I.M. BUFFER 30' UPLAND ZONE
S.W.I.M. BUFFER 50' UPLAND ZONE
ENTRANCE MEDIAN TO BE LANDSCAPED
25' RADIUS TYP
STREET 'A'
STREET 'B'
STREET 'C'
STREET 'D'
TREE SAVE AREA
TREE SAVE AREAS
OPEN SPACE
WETLANDS
EXISTING POND
1.38 ACRES OPEN SPACE IN BUFFER
30' R/W FROM CL
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 10527, Page 651
Zoning - R
REMAINDER OF ORIGINAL PLAT
Philip L. Black
Parcel# 011-151-03
Deed Book 5062, Page 986
0.244 ACRES
KBR Properties
Parcel# 011-151-04
Deed Book 19975, 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 258
Zoning - TR
SADDLEBROOK ESTATES
(ZONED R)
SADDLEBROOK FARMS
(ZONED TR)
Russell W. Wallace and Judith G. Wallace
Parcel# 011-151-22
Deed Book 10537, Page 662
Zoning - R
500'

A&L Eastern Laboratories, Inc.

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

www.allabs.com

TEXTURE ANALYSIS

Client :	Grower :	
Mecklenburg County Government 700 N Tryon St - Ste 211 Finance Department 11th floor Charlotte , NC 28202	MECKLENBURG COUNTY GOVERNMENT Date Received : 11/04/2009	Report No : 09-308-0563 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
00919	1	84.4	10.4	5.2	Loamy Sand
00920	2	80.4	10.4	9.2	Loamy Sand
00921	3	76.4	16.4	7.2	Sandy Loam
00922	4	72.4	20.4	7.2	Sandy Loam

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