P Walker

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

1. SEPTIC / TYPE APPLICATION: ☐ N/A ☐ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☒ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ☐ N/A ☒ 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:
LOT #: 5 LOT SIZE (acres): 0.91
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: 3
NUMBER OF OCCUPANTS: 4
FOUNDATION TYPE:

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

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC 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 ☒ PRIVATE WELL ☐ PUBLIC WELL ☐ SHARED WELL ☐ OTHER _____

7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☒ POTABLE (DRINKING WATER) ☐ OTHER _____

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

☐ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☒ ALTERNATIVE ☐ OTHER _____

8A. RANK: 3 4 2 1 5

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
CHEMICAL/PETROLEUM STORAGE TANKS	☐ YES ☒ NO	KNOWN UNDERGROUND CONTAMINATION	☐ YES ☒ NO
WASTE STORAGE	☐ YES ☒ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	☐ YES ☒ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 5/15/2007 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 1/2009 ☐ N/A

12. PROPERTY OWNER:

NAME: David J. DeQuick
ADDRESS: 390 Templeton Rd.
CITY: Mooresville
STATE: NC ZIP: 28117
HOME PHONE: 7046647702
WORK PHONE: 7046626077
MOBILE PHONE: 9802532078
FAX: 7046626054

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE: N/A

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

14. SEPTIC SYSTEM PERMIT APPLICATION:

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 sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

DJD (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

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 twelve (12) months from the date of issuance.

DJD (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below.

David J. DeQuick
Property Owner's or Owner's Legal Representative Signature

7/16/08
Date

OFFICE USE ONLY

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

SEPTIC APPLICATION FEES RECEIVED: $ 100.00 CK# 2232 DATE FEE RECEIVED: 7-18-08

WELL APPLICATION FEES RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: Annette G

GWS FILE NUMBER ASSIGNED: 7535B

APPLICATION ID NUMBER ASSIGNED: 3731

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6984

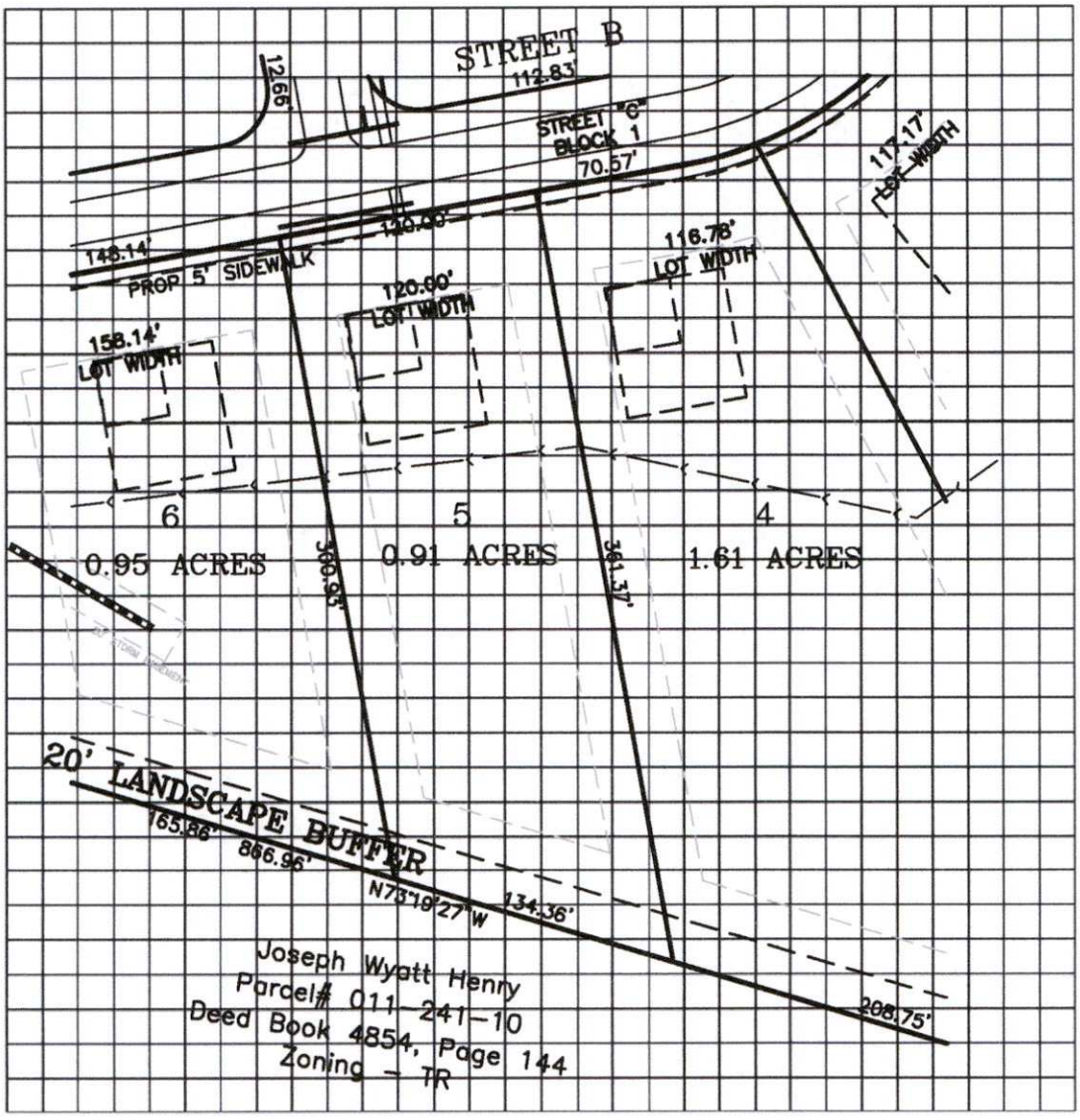
Revised on: 7/1/08

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File #_____
Date_____

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



Owner/Agent Signature	David J. DeQuick
Date	7/16/08

LBC 12/15/04

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	07/18/08	**Amount:**	100.00
Receipt #:	58278	**Tendered:**	100.00
Check / Auth #:	CHECK 2232	**Returned:**	0.00
Received By:	GLADNAG		

Account Information

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

Item	Description	Permit#	Quantity	Unit Price	Total Price
0704	Change in Plot Plan 14301 BLACK FARMS RD LOT 5		1	100.00	100.00

----------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 #: 5
File #: 7535B
AppID: 3079

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%	0-11	ABK/C	FI,S,P,EXP	>48" TO SOIL WETNESS	48	N/A	NONE	U.S IV
Initial	L.S	11-29	SBK/SCL	FI,S,P,SXP					
		29-58	GR/SL	FI,SAPROLITE					
				Sampled at 35" depth					
2	"	0-36	GR/SCL	FILL MATERIAL	"	60	"	"	"
Repair		36-60	M/SCL	FI,SAPROLITE					

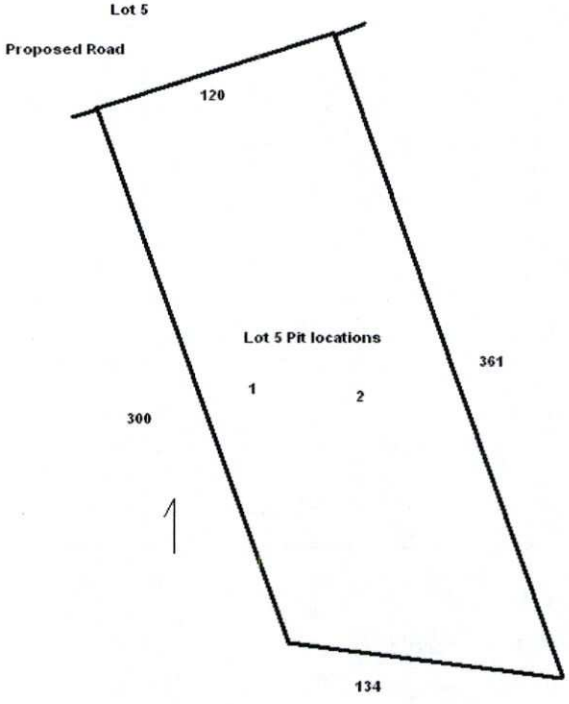
Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR		

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

COMMENTS: 100% REPAIR AREA REQUIRED.
*LOCATED ADJACENT TO EXISTING PIT CONTAINING BRICKS AND FILL MATERIAL
LOT EVALUATION DIAGRAM ATTACHED
SAMPLED FOR PARTICLE ANALYSIS. SAMPLE#5

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 #: 5, off-site area
File #: 7535B
AppID: 3731

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: David J. DeQuick
Applicant:
Address: 390 Templeton Road, Mooresville, N. C. 28117
Date Evaluated: 7/28/08
Proposed Facility: Residence Design Flow (.1949) 360gpd
Property Size: .91a
Location of Site: Off Black Farms Road
Property Recorded:
Water Supply: [ ] Public [x] 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
	LOT 5								
A	LS, 15	0-25	M/SCL	FR/SEXP/SS/SP	>60" TO SOIL WETNESS	25	PS	NONE	PS, SAP II
		25-60	M/SL	FR/SEXP/NS/NP					.4GPD/FT^2
B	LS, 20	0-26	SBK/SCL	FR/SEXP/SS/SP	>65" TO SOIL WETNESS	26	"	"	PS, SAP II
		26-65	M/SL	FR/SEXP/NS/NP					.3GPD/FT^2
C	"	0-36	BURIED DEBRIS		>60" TO SOIL WETNESS		US	"	US
		36-60	M/SCL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT				
OFF-SITE	AREA								
A	LS, 8	0-8	GR/SCL	FR/SEXP/SS/SP	2.5Y6/1 AT 26"	48	N/A	NONE	US
		8-48	WKSBK/SCL/SC	FI-VFI/EXP/S/P					
B	"	0-28	M/SC	VFI/EXP/S/VP				"	"
		28-60	M/SCL	FR/SEXP/SS/SP					
C	"	0-33	MSCL	VFISEXP/SS/SP	>33" TO SOIL WETNESS		US	"	"
					NO DEVELOPED SOIL				
					NO LTAR ASSIGNED				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 7/29/2008,
Others Present:
Site Classification (.1948): US
Site Evaluation By: JPM
Others Present:

COMMENTS:

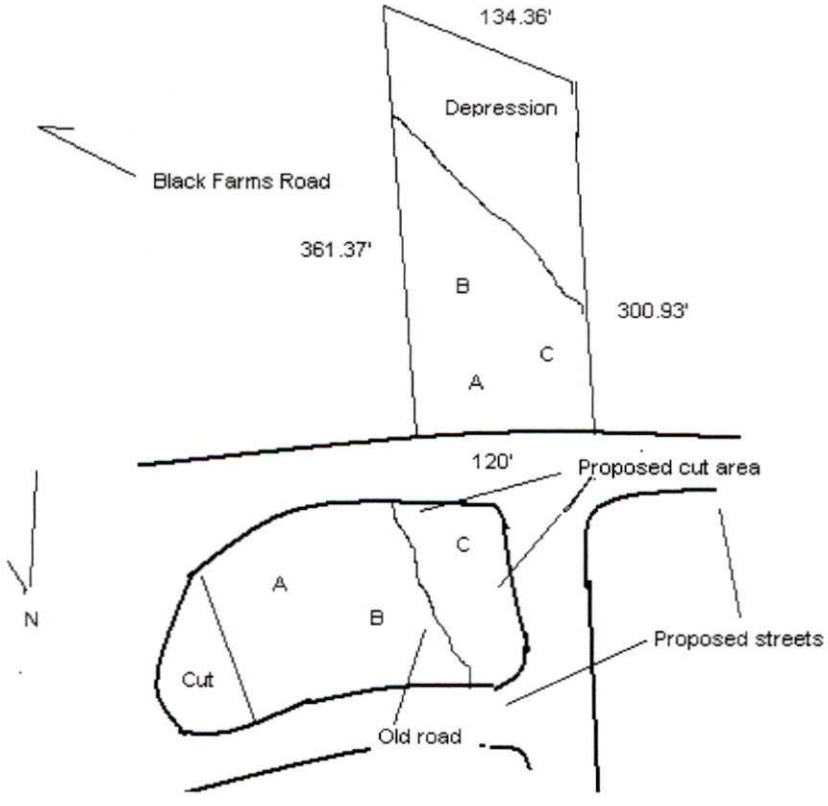
100% repair

Old road in off-site area eroded 2'+/-

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	
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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 #: 5, off-site area
File #: 7535B
AppID: 3731

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: David J. DeQuick
Applicant:
Address: 390 Templeton Road, Mooresville, N. C. 28117
Date Evaluated: 7/28/08
Proposed Facility: Residence
Design Flow (.1949) 360gpd
Property Size: .91a
Location of Site: Off Black Farms Road
Property Recorded:
Water Supply: [ ] Public [x] 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
	LOT 5								
A	LS, 15	0-25	M/SCL	FR/SEXP/SS/SP	>60" TO SOIL WETNESS	25	PS	NONE	PS, SAP II
		25-60	M/SL	FR/SEXP/NS/NP					.4GPD/FT^2
B	LS, 20	0-26	SBK/SCL	FR/SEXP/SS/SP	>65" TO SOIL WETNESS	26	"	"	PS, SAP II
		26-65	M/SL	FR/SEXP/NS/NP					.3GPD/FT^2
C	"	0-36	BURIED DEBRIS		>60" TO SOIL WETNESS		US	"	US
		36-60	M/SCL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT				
OFF-SITE	AREA								
A	LS, 8	0-8	GR/SCL	FR/SEXP/SS/SP	2.5Y6/1 AT 26"	48	N/A	NONE	US
		8-48	WKSBK/SCL/SC	FI-VFI/EXP/S/P					
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		28-60	M/SCL	FR/SEXP/SS/SP					
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					NO DEVELOPED SOIL				
					NO LTAR ASSIGNED				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 7/29/2008, W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

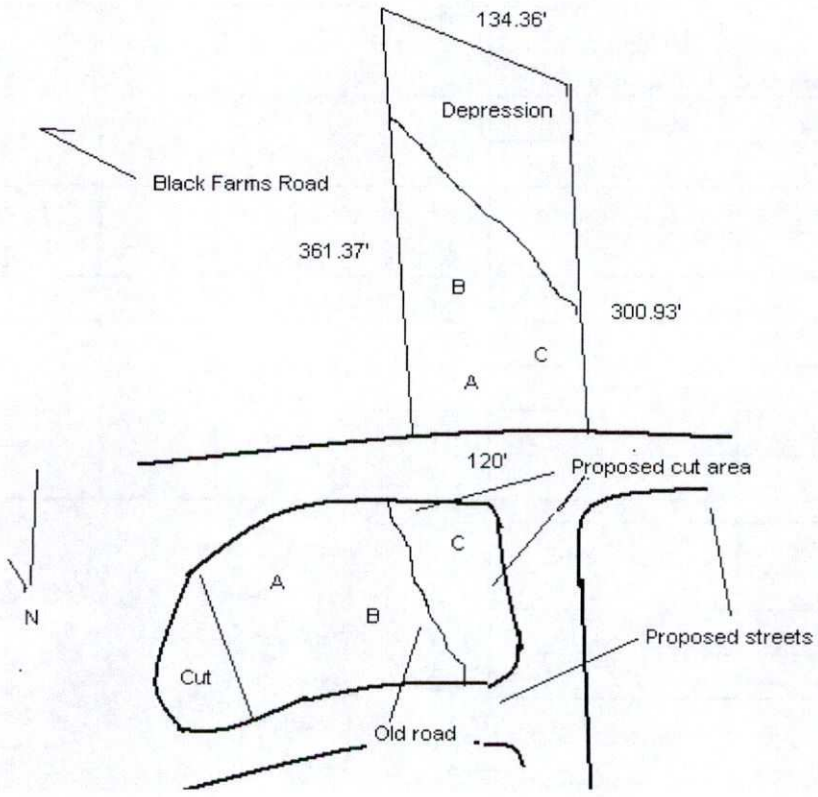
100% repair

Old road in off-site area eroded 2'+/-

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
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Sketch of Soil Evaluation Locations



COMMENTS:

100% repair

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FP-Flood Plain		SCL-Sandy Clay Loam	
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		C-Clay	

Structure

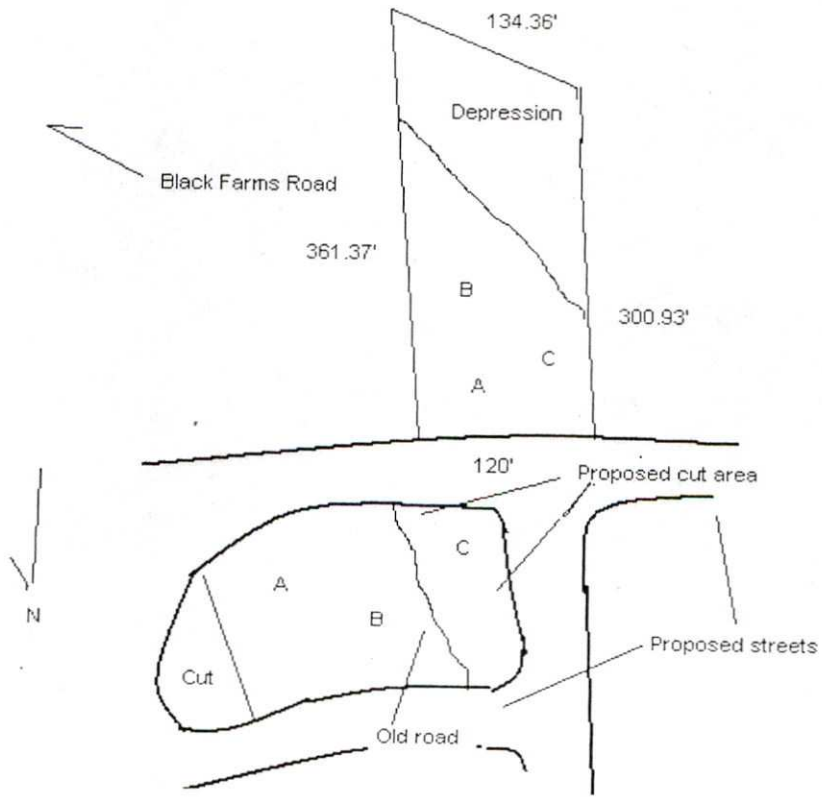
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Consistence Moist	Consistence Wet
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Mineralogy

SEXP-Slightly Expansive
EXP-Expansive

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 #: 5, off-site area
File #: 7535B
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		36-60	M/SCL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT				
OFF-SITE	AREA								
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		8-48	WKSBK/SCL/SC	FI-VFI/EXP/S/P					
B	"	0-28	M/SC	VFI/EXP/S/VP				"	"
		28-60	M/SCL	FR/SEXP/SS/SP					
C	"	0-33	MSCL	VFISEXP/SS/SP	>33" TO SOIL WETNESS		US	"	"
					NO DEVELOPED SOIL				
					NO LTAR ASSIGNED				

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System Type(s)		
Site LTAR		

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 7/29/2008, W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

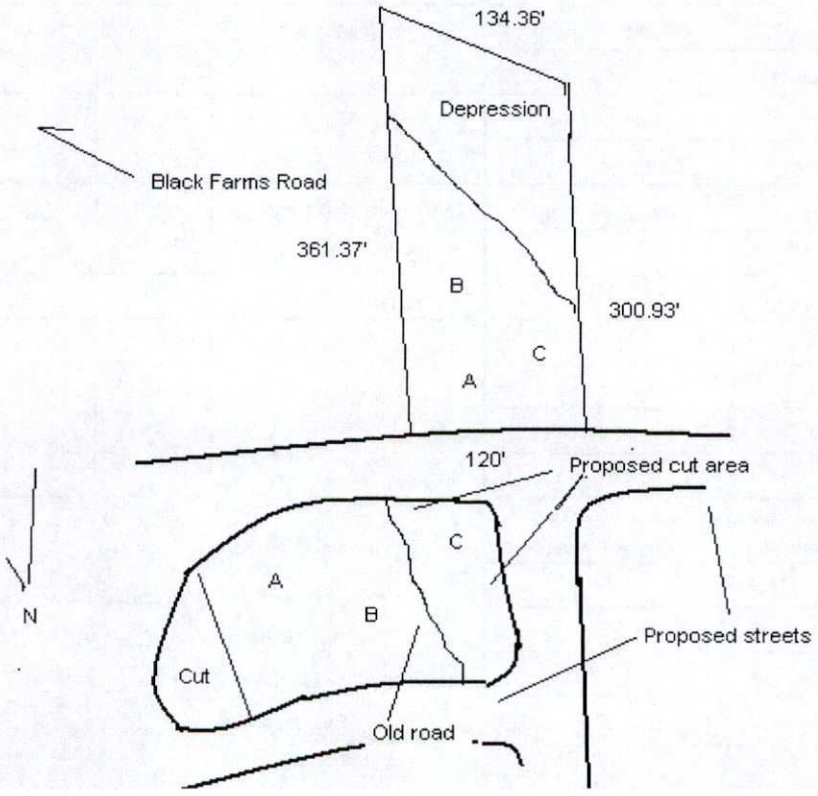
100% repair

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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	
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	VP-Very Plastic	

Sketch of Soil Evaluation Locations



COMMENTS:

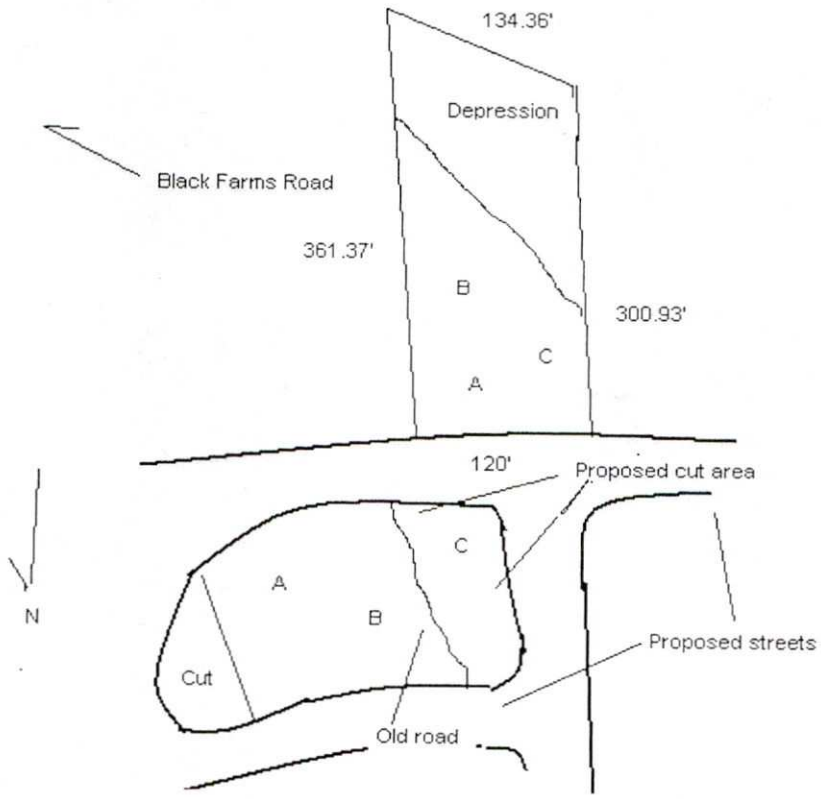
100% repair

Old road in off-site area eroded 2'+/-

Landscape Position	Group	Texture	.1955 LTAR	Structure
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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
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Sketch of Soil Evaluation Locations



MECKLENBURG COUNTY
Health Department

August 6, 2008

David J. DeQuick
390 Templeton Road
Mooresville, NC 28117

Re: Application for improvement permit for:
Property Site: 14301 Black Farms Road
Health Department file number: **7535B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on August 5, 2008 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 three bedroom house, with a daily design flow of 360 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 August 6, 2008. 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)

www.allabs.com

A&L Eastern Laboratories, Inc.

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

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 : 09-308-0564 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
00923	5	62.4	28.4	9.2	Sandy Loam

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

www.allabs.com

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

BM

FILE NUMBER: 7535B

Revised On: January 3, 2007

APPLICATION NUMBER: 3079

SEPTIC FEE: 200.00
DATE: 12-7-07
CK# 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 #: 5 **LOT SIZE (acres):** 1.330
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		

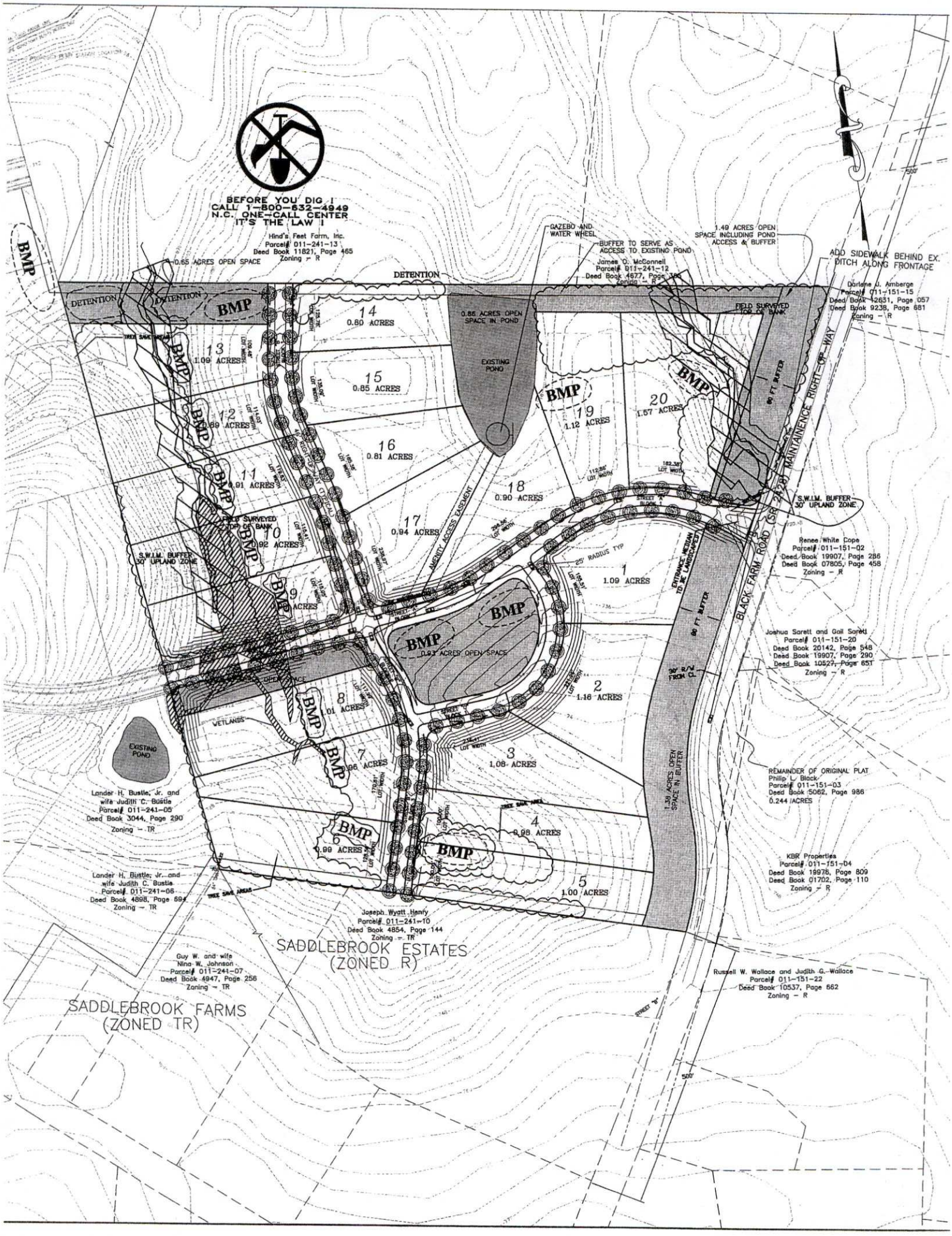
Account Information

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


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
James O. McConnell
Parcel# 011-241-12
Deed Book 4677, Page 195
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
DETENTION
BMP
0.85 ACRES OPEN SPACE IN POND
EXISTING POND
FIELD SURVEYED TOP OF BANK
60 FT BUFFER
AMENITY ACCESS EASEMENT
S.W.I.M. BUFFER 30' UPLAND ZONE
BLACK FARM ROAD (SR 2428) MAINTAINENCE RIGHT-OF-WAY
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 19976, Page 809
Deed Book 01702, Page 110
Zoning - R
Russell W. Wallace and Judith G. Wallace
Parcel# 011-151-22
Deed Book 10537, Page 662
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
Guy W. and wife Nina W. Johnson
Parcel# 011-241-07
Deed Book 4947, Page 256
Zoning - TR
Joseph Wyatt Henry
Parcel# 011-241-10
Deed Book 4854, Page 144
Zoning - TR
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 0.99 ACRES
7 0.96 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
0.83 ACRES OPEN SPACE
1.30 ACRES OPEN SPACE IN BUFFER
TREE SAVE AREAS
WETLANDS
STREET 'A'
STREET 'B'
25' RADIUS TYP
ENTRANCE MEDIAN TO BE LANDSCAPED
30' R/W FROM C/L
500'

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 #: 5, off-site area
File #: 7535B
AppID: 3731

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: David J. DeQuick
Applicant:
Address: 390 Templeton Road, Mooresville, N. C. 28117
Date Evaluated: 7/28/08
Proposed Facility: Residence
Design Flow (.1949) 360gpd
Property Size: .91a
Location of Site: Off Black Farms Road
Property Recorded:
Water Supply: [ ] Public [x] 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
	LOT 5								
A	LS, 15	0-25	M/SCL	FR/SEXP/SS/SP	>60" TO SOIL WETNESS	25	PS	NONE	PS, SAP II
		25-60	M/SL	FR/SEXP/NS/NP					.4GPD/FT^2
B	LS, 20	0-26	SBK/SCL	FR/SEXP/SS/SP	>65" TO SOIL WETNESS	26	"	"	PS, SAP II
		26-65	M/SL	FR/SEXP/NS/NP					.3GPD/FT^2
C	"	0-36	BURIED DEBRIS		>60" TO SOIL WETNESS		US	"	US
		36-60	M/SCL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT				
OFF-SITE	AREA								
A	LS, 8	0-8	GR/SCL	FR/SEXP/SS/SP	2.5Y6/1 AT 26"	48	N/A	NONE	US
		8-48	WKSBK/SCL/SC	FI-VFI/EXP/S/P					
B	"	0-28	M/SC	VFI/EXP/S/VP				"	"
		28-60	M/SCL	FR/SEXP/SS/SP					
C	"	0-33	MSCL	VFISEXP/SS/SP	>33" TO SOIL WETNESS		US	"	"
					NO DEVELOPED SOIL				
					NO LTAR ASSIGNED				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 7/29/2008, W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

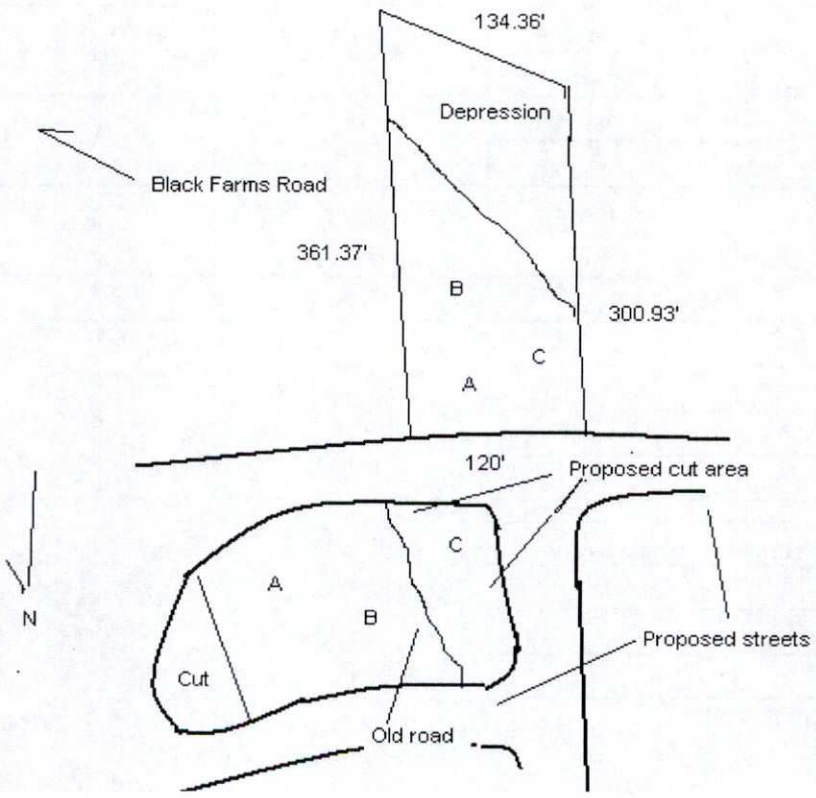
100% repair

Old road in off-site area eroded 2'+/-

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
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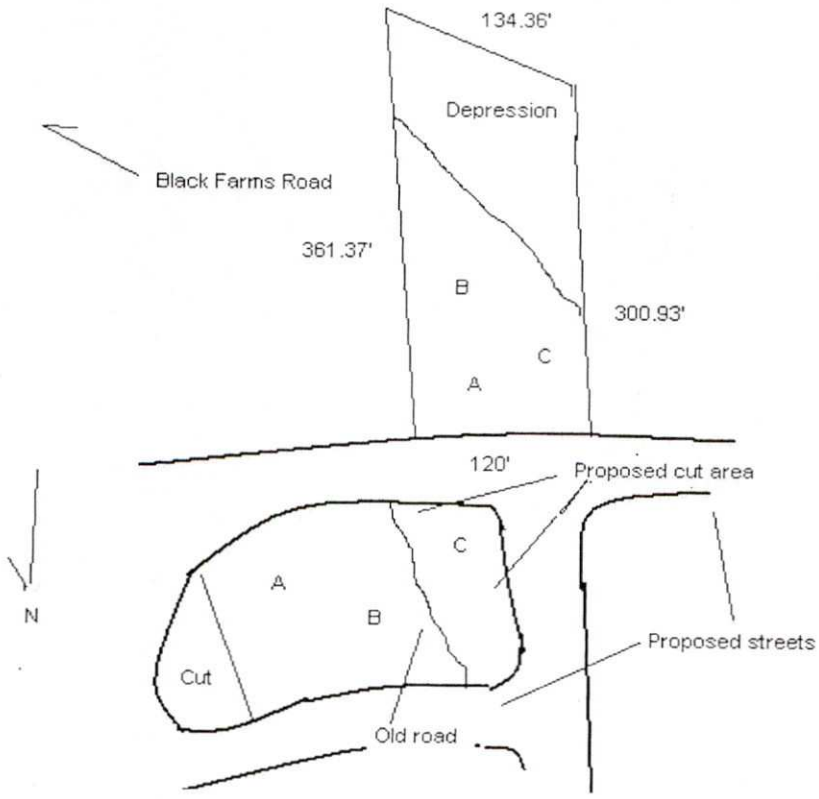
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Sketch of Soil Evaluation Locations



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 #: 5
File #: 7535B
AppID: 3079

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

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Applicant:
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Location of Site: Off Black Farms Road
Property Recorded:
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1	LS, 12 ✓	0-3	GR/CL	FR/SEXP/SS/SP	>46" TO SOIL WETNESS	46	N/A	NONE	PS, IV .25GPD/FT^2
		3-46	SBK/C	FI/SEXP/S/P					
		WEAK	SBK IN LOWER	PORTION OF PROFILE					
2	" ✓	0-18	GR/SCL	FR/SEXP/SS/SP	>28" TO SOIL WETNESS	28	"	"	US, IV .12GPD/FT^2
		18-28	SBK/C	FI/SEXP/S/P					
3	LS, 8	0-4	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	"	"	PS, IV .275GPD/FT^2
	✓	4-33	SBK/ABK/C	FI/SEXP/S/P					
		33-48	SBK/CL	FR/SEXP/SS/SP					
4	" ✓	0-11	GR/SCL	"	>50" TO SOIL WETNESS	50	"	"	"
		11-50	SBK/ABK/C	FI/SEXP/S/P					
					SITE LTAR .27GPD/FT^2				

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

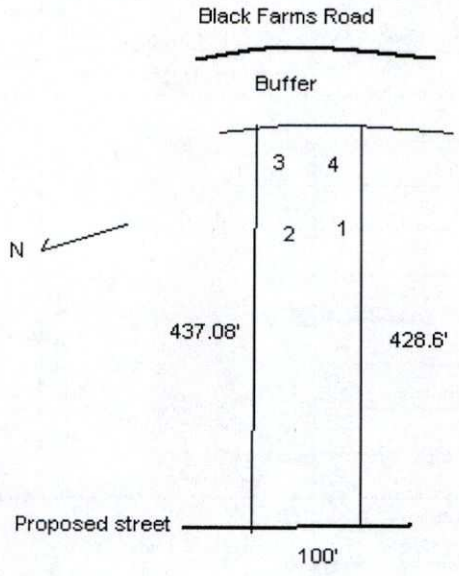
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 1/3/2007, W. R. Marlin
Others Present: J. Seagle
Site Classification (.1948):
Site Evaluation By:
Others Present:

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



COMMENTS:
100% repair

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Sketch of Soil Evaluation Locations

