

1/11/2008

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

FILE NUMBER: 7046B

Revised On: January 3, 2007

APPLICATION NUMBER: 2100

SEPTIC FEE: 200
DATE: 3/23/07
CK # 6788

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: 195-013-17
STREET ADDRESS: 13427 Idlewild Rd (part of)
CITY: Matthews (Tract B)
STATE: NC ZIP: 28104
SUBDIVISION NAME: Devonhurst
LOT #: Tract B LOT SIZE (acres): 2 acres
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: 5000
NUMBER OF BEDROOMS: 4
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:** ____ ____ ____ ____ ____

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: H & E Land Development, LLC
ADDRESS: 2419 Henry Bowman Rd.
CITY: Monroe
STATE: NC ZIP: 28110
HOME PHONE: 704-753-5310 WORK PHONE: —
MOBILE PHONE: 704-219-4663 FAX: 704-753-5676

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

NAME: Ann Edwards
ADDRESS: 2419 Henry Bowman Road
CITY:
STATE: ZIP:
HOME PHONE: 704-753-5310 WORK PHONE: 704-753-5310
MOBILE PHONE: 704-219-4663 FAX: 704-753-5676

12. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** _____
13. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** April 10th, 2007

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.

Ann A Edwards 3-23-07
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.

Ann A Edwards 3-23-07
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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/23/07	**Amount:**	200.00
Receipt #:	49793	**Tendered:**	200.00
Check / Auth #:	CHECK 6788	**Returned:**	0.00
Received By:	DEBOESM		

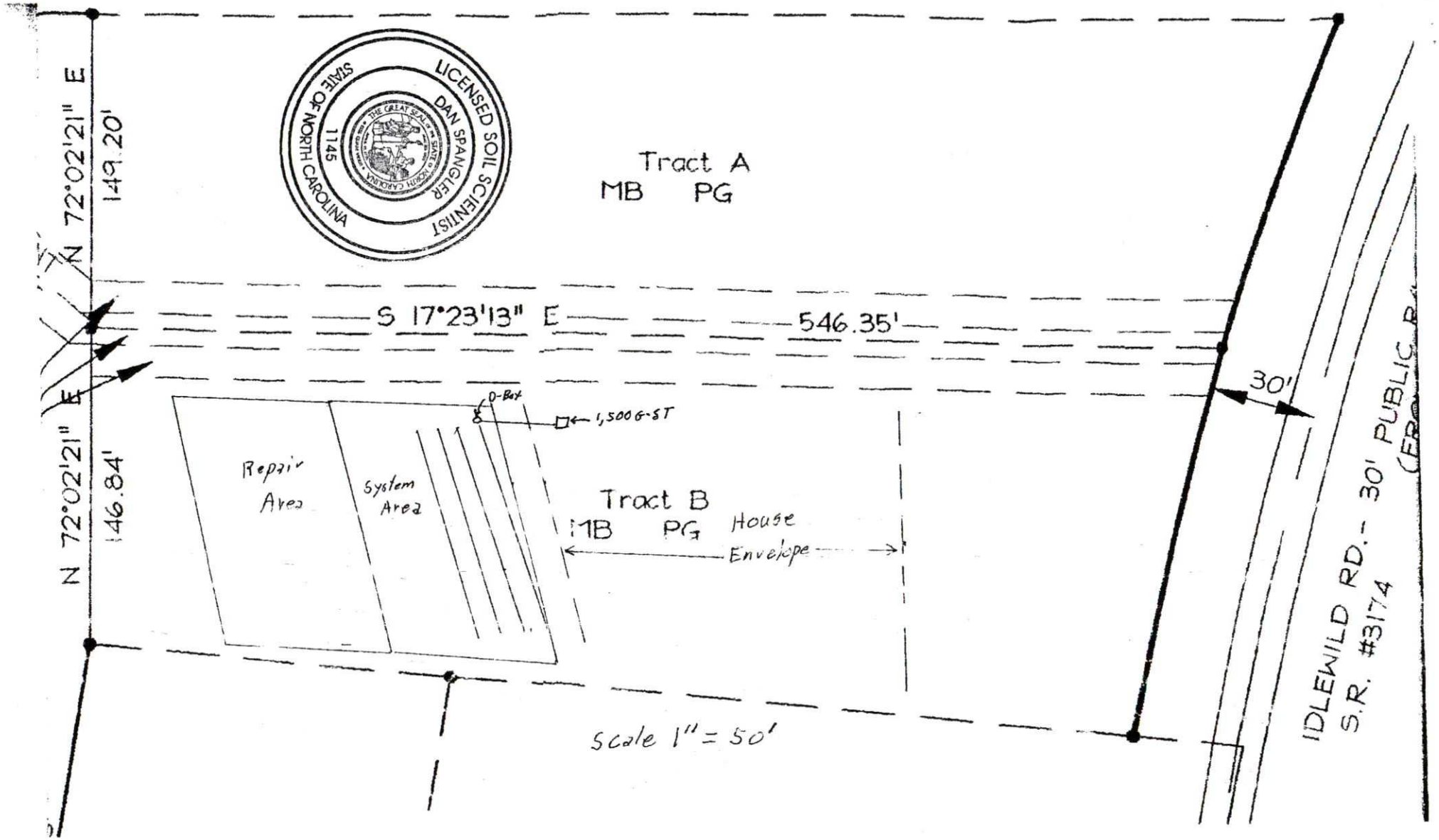
Account Information

Account #:	200000
Contractor:	ANN EDWARDS
Attn:	
Address:	
Address:	
City/State/Zip:	,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen TRACT B (SEPTIC IMP PMT)		1	200.00	200.00

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

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


N 72°02'21" E
149.20'
N 72°02'21" E
146.84'
S 17°23'13" E
546.35'
30'
Tract A
MB PG
Tract B
MB PG
House
Envelope
Repair
Area
System
Area
D-Box
1,500 G-ST
IDLEWILD RD. - 30' PUBLIC
S.R. #3174
Scale 1" = 50'
STATE OF NORTH CAROLINA
LICENSED SOIL SCIENTIST
DAN SPANGLER
1145

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

Sheet: 1 of 2
Property ID: 195-013-75
Lot #: Tract B
File #: 7046B
AppID: 2100

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: H & E Land Development, LLC
Applicant: Ann Edwards
Address: 2419 Henry Baucom Road, Monroe, N. C. 282110
Date Evaluated: 6/22/07
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: 2.0a
Location of Site: Idlewild 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	0-3	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	N/A	PS, IV
		3-37	SBK/ABK/C	FI/SEXP/S/P					.3GPD/FT^2
		37-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-4	GR/CL	"	"	"	"	"	"
		4-29	SBK/ABK/C	FI/SEXP/S/P					
		29-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-3	GR/CL	"	>44" TO SOIL wETNESS	44	"	"	"
		3-32	SBK/ABK/C	FI/SEXP/S/P					
		32-44	SBK/CL	FR/SEXP/SS/SP					
4	"	0-3	GR/CL	"	>37" TO SOIL WETNESS	37	"	"	"
		3-21	SBK/ABK/C	FI/SEXP/S/P					
		21-37	SBK/CL	FR/SEXP/SS/SP					
5	"	0-4	GR/CL	"	>42" TO SOIL WETNESS	42	"	"	"
		4-37	SBK/ABK/C	FI/SEXP/S/P					
		37-42	SBK/CL	FR/SEXP/SS/SP					
6	"	0-17	GR/CL	"	>48" TO SOIL WETNESS	48+	"	"	"
		17-48	SBK/ABK/C	FI/SEXP/S/P					
					SITE LTAR .3GPD/FT^2				

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

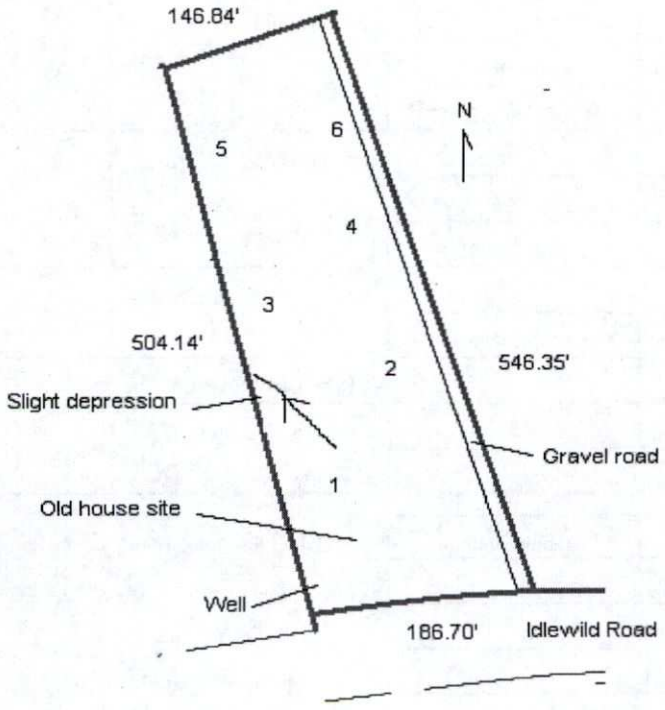
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 6/22/2007. W R Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:
Appears to be 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



DAN SPANGLER
LICENSED SOIL SCIENTIST
802 BRADFORD PLACE
MONROE NC 28110-9355

TO: Edwards Construction Inc.
2419 Henry Baucom Road
Monroe, NC 28110

FROM: Dan Spangler

SUBJECT: Soils evaluation and septic system design on approximately 1.7 acre tract (B) on Idlewild Road, Mint Hill for a 4 bedroom house, Mecklenburg Co., NC.

DATE: March 21, 2007

This lot has an area that is **SUITABLE** for conventional or Innovative septic system. The soils are group 4 with mean depth to saprolite more than 42 inches and more than 42 inches to a seasonal water table. The septic system for a 4 bedroom house requires 400 linear feet of lines for an innovative system (EZflow or Infiltrator) at 0.3 LTAR or conventional lines of 534 total liner feet. The system is to have a 1500 gallon septic tank. The trench depths are to be 20 to 24 inches deep, 9 foot on center with 36 inch trench width. The repair area is down slope of the system area and can have the same innovative system with four lines of 100 feet or conventional lines of 534 total liner feet. (See attached soil/site evaluations and lot map.)

The above soils report is my opinion as a licensed soil scientist; however, wastewater treatment systems must be approved by the local health department.

CC: Environmental Health Department
Mecklenburg County

DAN SPANGLER
802 BRADFORD PLACE, MONROE, NC 28110
MOBILE: (704) 291-1909 OFFICE/ FAX: (704) 282-2319

PROPERTY ID #: 195-013-17
PROPERTY RECORDED:
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

APPLICANT: Edwards Construction Inc. OWNER: ☐ AGENT: ☐ PHONE: 704-219-4663
ADDRESS: 2419 Henry Broom Rd DATE EVALUATED: 3/19/07
Monroe, NC 28110 PROPOSED FACILITY: 4-Bedroom House
PROPERTY SIZE: ~1.7 Acres
LOCATION OF SITE: Tract B, Idlewild Rd, Mint Hill, NC.
WATER SUPPLY: On-Site Well ☐ Comm. Well ☐ Public ☑ Other _____ EVALUATION METHOD: Auger Boring ☑ Pit ☐

PROFILE #	.1940 LANDSCP POS./ SLOPE %	HORIZON DEPTH (IN.)	.1941 (a)(1) TEXTURE	(a)(2) STRUCTURE	(a)(3) MINEROLOGY		
1	Ridge	A-0-3"	Red CL	fr. 2msbk	ss/sp	.1942 WETNESS CONDITION	- 72"
~175' South	5%	Bt. 3-32"	Red clay	fr. 3fsbk	ms/sp	.1943/.1956 SAPROLITE	- 72"
of Back		BC-32-42"	Red CL	fr. 2msbk	ss/sp	.1944 RESTRICTIVE HORIZON	- 72"
P/L +						.1948 PROFILE CLASSIFICATION	- Suitable
~50' East						PROFILE LTAR	- 0.3
of west						SYSTEM TYPE	- conventional/EZflow
P/L							
		COMMENTS: Cecil					
2	Ridge	A-0-6"	Brown SL	fr. 2mgr.	so/po	.1942 WETNESS CONDITION	- 72"
~60' East	4%	Bt. 6-42"	Red clay	fr. 3fsbk	~~ms~~/sp	.1943/.1956 SAPROLITE	- 72"
of SB-1						.1944 RESTRICTIVE HORIZON	- 72"
& 20'						.1948 PROFILE CLASSIFICATION	- Suitable
from Driveway						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- conventional/EZflow
		COMMENTS: Cecil					
3	Ridge	A-0-8"	Brown SL	fr. 2mgr	so/po	.1942 WETNESS CONDITION	- 72"
~75'	2%	Bt. 8-42"	Red clay	fr. 3fsbk	ms/sp	.1943/.1956 SAPROLITE	- 72"
North						.1944 RESTRICTIVE HORIZON	- 72"
of SB-2						.1948 PROFILE CLASSIFICATION	- Suitable
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- conventional/EZflow
		COMMENTS: Cecil					
4	Ridge	A 0-2"	Red CL	fr. 2msbk	ss/sp	.1942 WETNESS CONDITION	- 72"
~60'	3%	Bt. 2-42"	Red clay	fr. 3fsbk	ms/sp	.1943/.1956 SAPROLITE	- 72"
Northwest						.1944 RESTRICTIVE HORIZON	- 72"
of SB-3						.1948 PROFILE CLASSIFICATION	- Suitable
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- conventional/EZflow
		COMMENTS: Cecil					