$100 Add'l 3 site CK# 1841 BM 11/30/07

FILE NUMBER: 7386B

Revised On: August 31, 2007

APPLICATION NUMBER: 2838

SEPTIC FEE: 200.00
DATE: 10/16/07
CK# 1832

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: 13937111
STREET ADDRESS: 9604 BARTLETT RD
CITY:
STATE: NC ZIP:
SUBDIVISION NAME:
LOT #: 4 LOT SIZE (acres): 1
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: 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:**		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: DENNIS REYNOLDS
ADDRESS: 12200 BAIN School RD
CITY: CHARLOTTE
STATE: NC ZIP: 28227
HOME PHONE: 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?** 1983
13. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** 10-01-07

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.

Greg Story 09-18-07
Property Owner's or Owner's Legal Representative Signature Date
704-361-0825

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

1"=60'

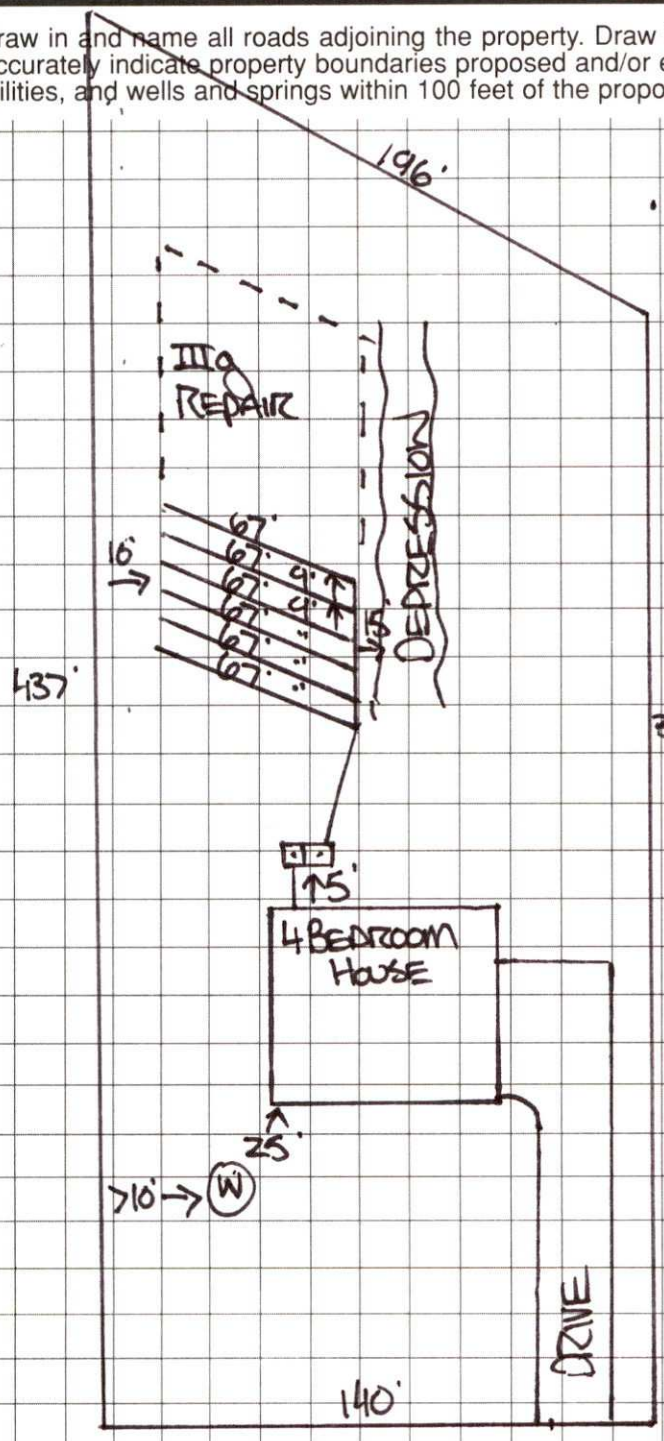
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

FILE: 73868

TC: 139-371-11

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



- SEPTIC SYSTEM DESIGN FOR A 4 BEDROOM HOUSE
- 480 GAL/DAY MAX
- LTAR = 0.3 GAL/DAY/FT²

INNOVATIVE, 25% REDUCTION
TYPE IIIg.

INSTALL 6 LINES @ 67' EA.
PLACE LINES LEVEL, ON CONTOUR & ON 9' CENTERS.

1500 GAL SEPTIC TANK
DROP T DISTRIBUTION

SETBACKS:
>10' FROM PROPERTY LINES
>50' FROM WELL
>5' FROM HOUSE

OWNER/AGENT SIGNATURE

DATE

APPROVAL DATE

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

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

Sheet: 1 of 2
Property ID: PO 139-371-11
Lot #: 4
File #: 7386B
AppID: 2838

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Dennis Reynolds
Applicant: Greg Story
Address: 12200 Bain School Road, Charlotte, N. C. 28227
Date Evaluated: 12/18/07
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: Approx. .5a inv.
Location of Site: 9604 Bartlett Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] 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, 8	0-4	GR/SCL	FR/SEXP/SS/SP	>47" TO SOIL WETNESS	47	N/A	NONE	PS, IV
		4-31	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
		31-47	SBK/SCL	FR/SEXP/SS/SP					
2	"	0-5	GR/SCL	"	>48" TO SOIL WETNESS	48	"	"	"
		5-48	SBK/ABK/C	FI/SEXP/S/P					
3	"	0-3	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		3-8	SBK/SCL	"					
		8-33	SBK/C	FI/SEXP/S/P					
		33-48	SBK/SCL	FR/SEXP/SS/SP					
4	"	0-3	GR/SCL	"	>46" TO SOIL WETNESS	46	"	"	"
		3-33	SBK/C	FI/SEXP/S/P					
		33-46	SBK/CL	FR/SEXP/SS/SP					
		BORING	TERMINATED	AT 46" FLOATER ROCK					
5	"	0-4	GR/CL	FR/SEXP/SS/SP	>42" TO FLOATER ROCK	42	"	"	"
		4-32	SBK/C	FI/SEXP/S/P					
		32-38	SBK/SCL	FR/SEXP/SS/SP					
		38-42	SBK/C	FI/SEXP/S/P					
		BORING	TERMINATED	AT 42" FLOATER ROCK					
					SITE LTAR .3GPD/FT^2				

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

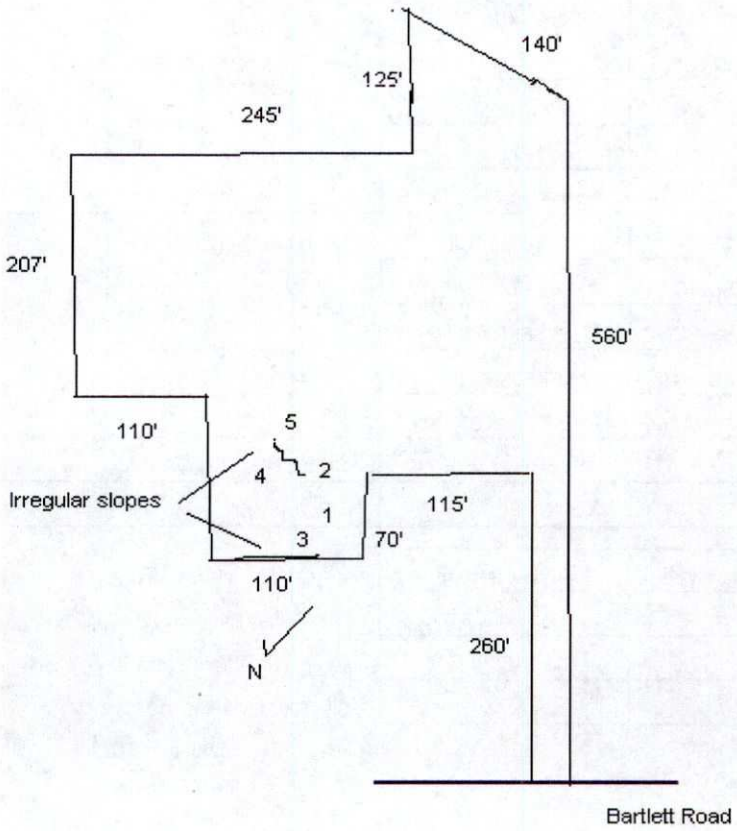
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 12/28/2007, W. R. Marlin
Others Present: G. Story
Site Classification (.1948):
Site Evaluation By:
Others Present:

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



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

Sheet: 1 of 2
Property ID: PO 139-371-11
Lot #: 4
File #: 7386B
AppID: 2838

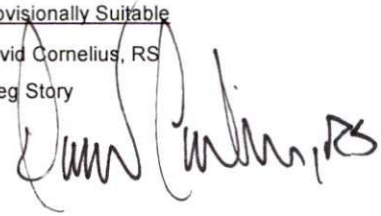
SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Dennis Reynolds
Applicant: Greg Story
Address: 12200 Bain School Road, Charlotte, N. C. 28227
Date Evaluated: 12/18/2007
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: Approx. .5a inv.
Location of Site: 9604 Bartlett Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] 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, 8	0-4	GR/SCL	FR/SEXP/SS/SP	>47" TO SOIL WETNESS	47	N/A	NONE	PS, IV .3GPD/FT^2
		4-31	SBK/C	FI/SEXP/S/P					
		31-47	SBK/SCL	FR/SEXP/SS/SP					
2	"	0-5	GR/SCL	"	>48" TO SOIL WETNESS	48	"	"	"
		5-48	SBK/ABK/C	FI/SEXP/S/P					
3	"	0-3	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		3-8	SBK/SCL	"					
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					SITE LTAR .3GPD/FT^2				

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	IIIg
Site LTAR	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 12/28/2007,
Others Present: G. Story
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: David Cornelius, RS
Others Present: Greg Story



COMMENTS:
100% repair

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
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NS-Nose Slope		L-Loam	
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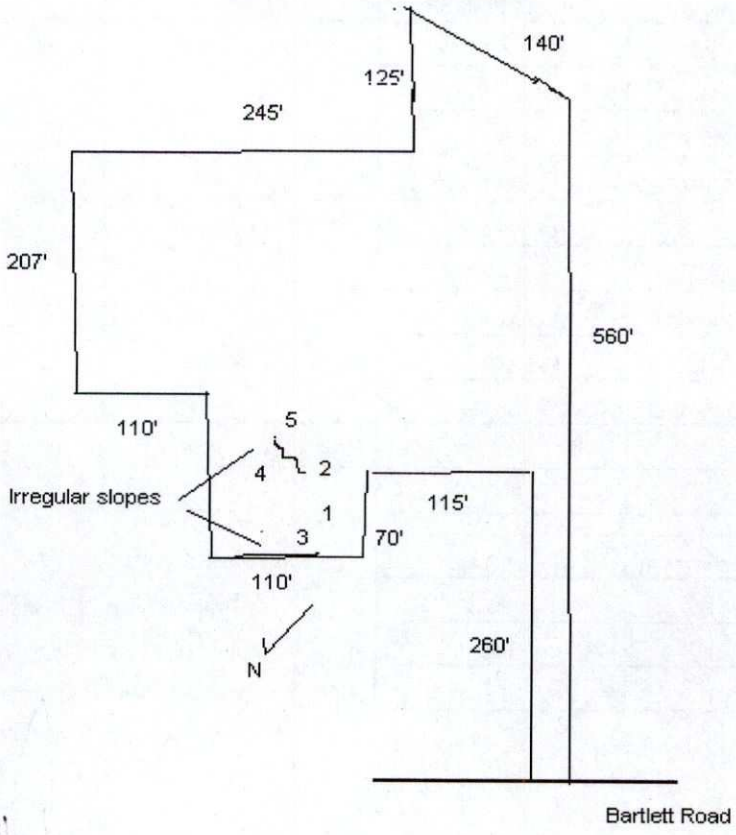
Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic

Consistence Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence Wet
NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

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
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4	"	0-5	GR/CL	FR/SEXP/SS/SP	>43" TO SOIL WETNESS	43+	"	"	"
		5-30	SBK/C	FI/SEXP/S/P					
		30-43	SBK/CL	FR/SEXP/SS/SP					
		BORING TERMINATED AT 43" FLOATER ROCK							
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		4-28	SBK/C	FI/SEXP/S/P					
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					SITE LTAR .3GPD/FT^2				

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

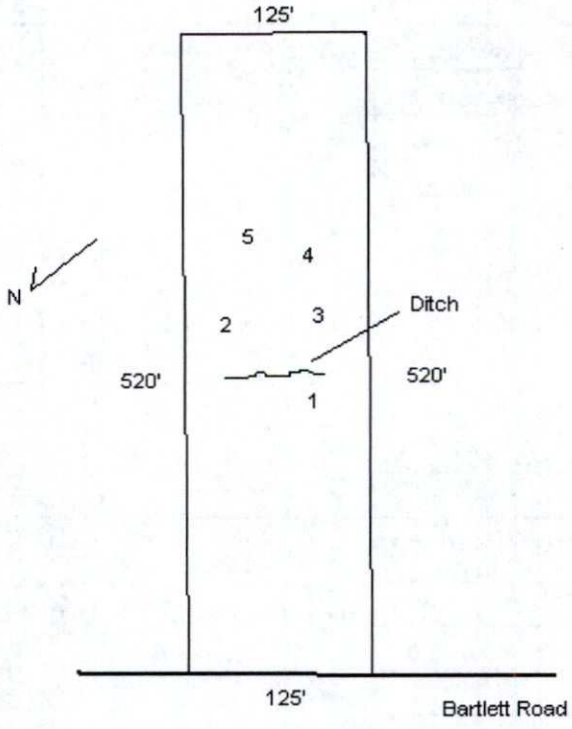
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 11/1/2007.
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:
100% repair

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Sketch of Soil Evaluation Locations



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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30002838** GWS File #: **7386B** Tax Parcel #: **139-371-11**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 2/21/2013

Type of Installation: Residential - New System Lot Number: 4

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 4

Building Foundation: Water Supply: Private Well

II. Initial System Type: Innovative **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Drop Tees		

III. Repair System Type: Innovative **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Drop Tees		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: David Cornelius Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 2/21/2008

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30002838** GWS File #: **7386B**

IV. Permit Conditions/Comments:

- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.

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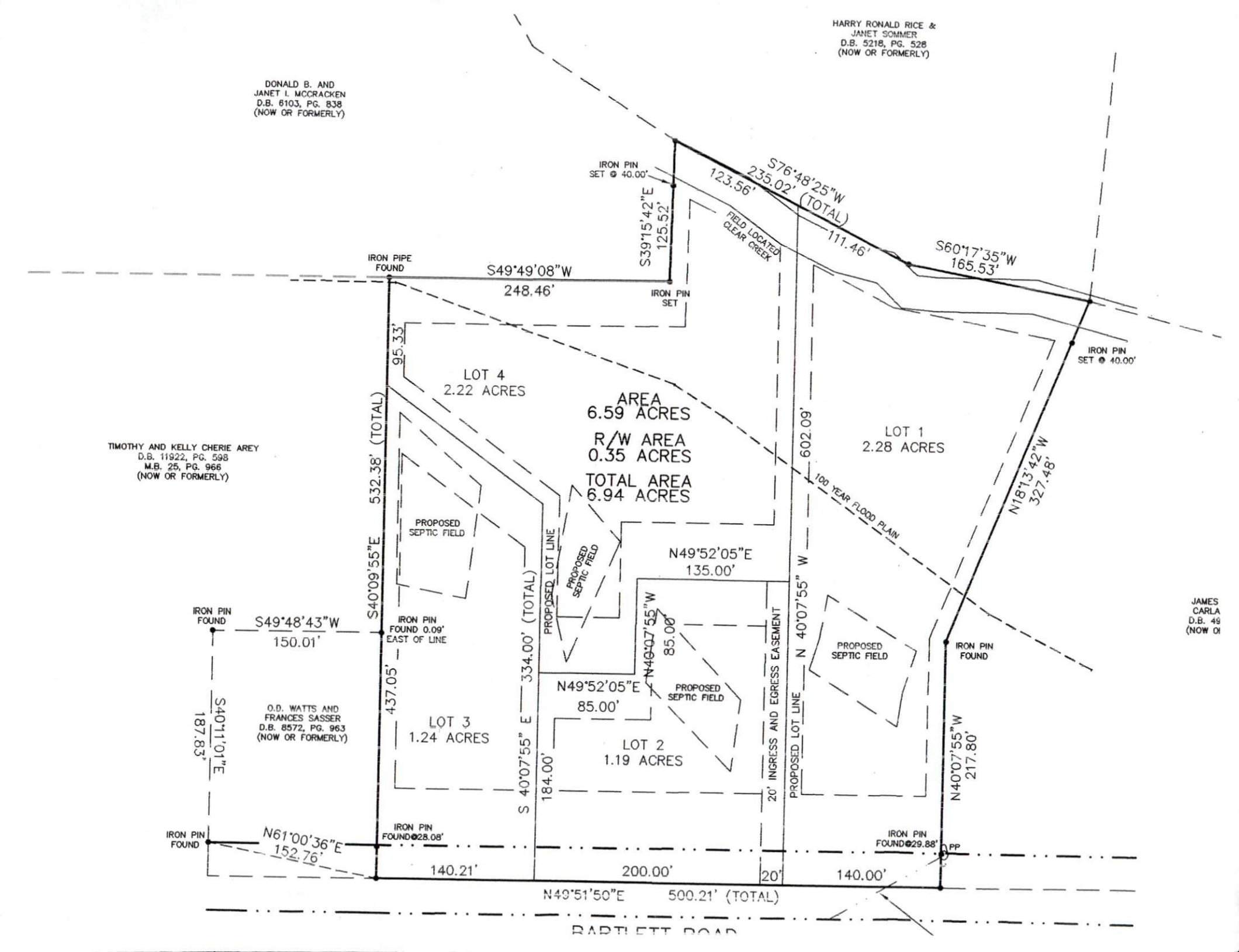
DENR Authorized Agent: David Cornelius

Signature: _____

Date Issued: 2/21/2008

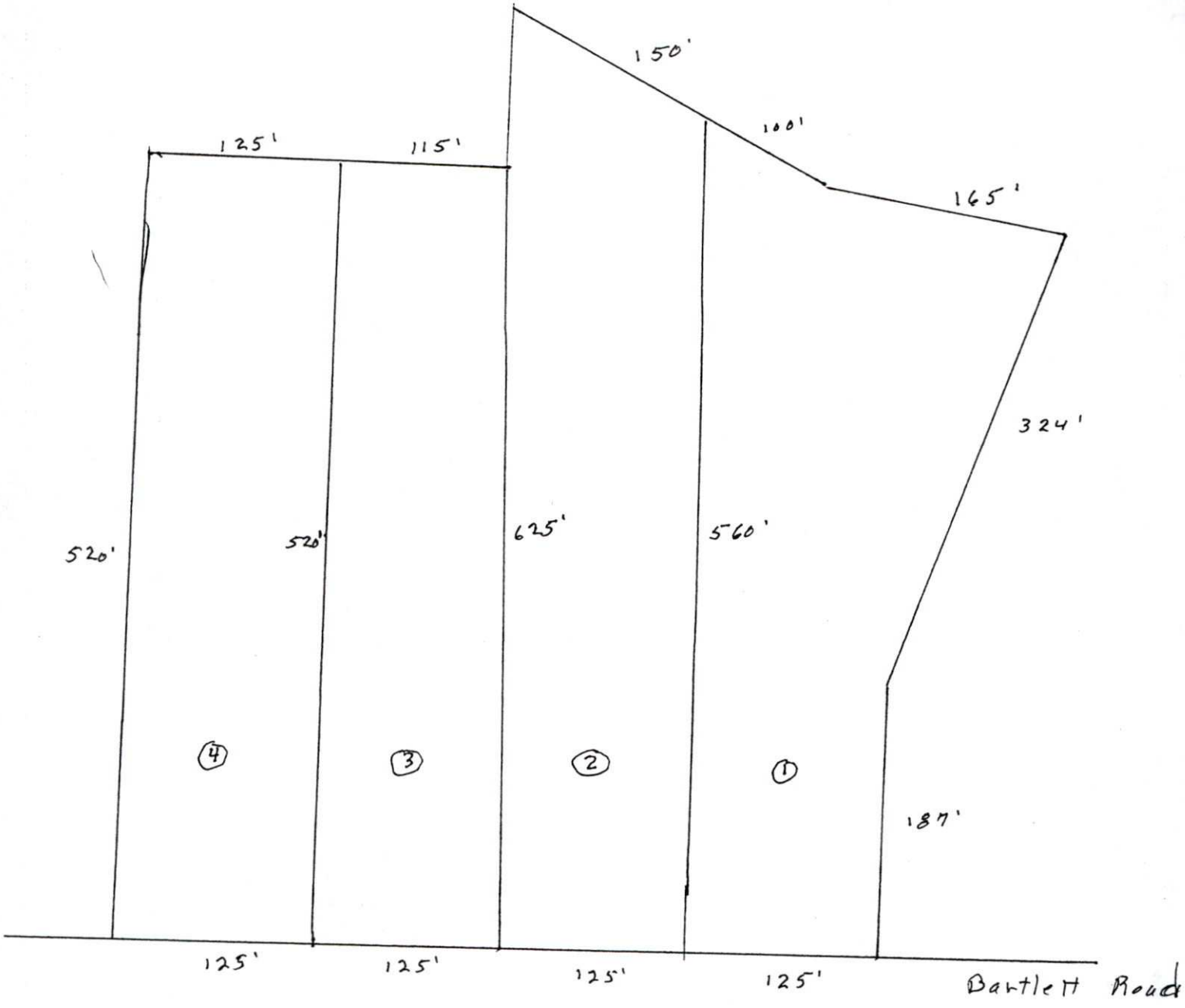
Owner/Legal Agent: _____
Print Name

Signature: _____


HARRY RONALD RICE &
JANET SOMMER
D.B. 5218, PG. 528
(NOW OR FORMERLY)
DONALD B. AND
JANET I. MCCRACKEN
D.B. 6103, PG. 838
(NOW OR FORMERLY)
IRON PIN
SET @ 40.00'
S76°48'25"W
123.56'
235.02' (TOTAL)
111.46'
S60°17'35"W
165.53'
S39°15'42"E
125.52'
FIELD LOCATED
CLEAR CREEK
IRON PIPE
FOUND
S49°49'08"W
248.46'
IRON PIN
SET
IRON PIN
SET @ 40.00'
95.33'
LOT 4
2.22 ACRES
AREA
6.59 ACRES
R/W AREA
0.35 ACRES
TOTAL AREA
6.94 ACRES
LOT 1
2.28 ACRES
602.09'
100 YEAR FLOOD PLAIN
N18°13'42"W
327.48'
TIMOTHY AND KELLY CHERIE AREY
D.B. 11922, PG. 598
M.B. 25, PG. 966
(NOW OR FORMERLY)
532.38' (TOTAL)
S40°09'55"E
PROPOSED
SEPTIC FIELD
PROPOSED LOT LINE
PROPOSED
SEPTIC FIELD
N49°52'05"E
135.00'
N 40°07'55" W
IRON PIN
FOUND
S49°48'43"W
150.01'
IRON PIN
FOUND 0.09'
EAST OF LINE
437.05'
334.00' (TOTAL)
N40°07'55"W
85.00'
PROPOSED
SEPTIC FIELD
IRON PIN
FOUND
JAMES
CARLA
D.B. 49
(NOW O
N49°52'05"E
85.00'
PROPOSED
SEPTIC FIELD
S40°11'01"E
187.83'
O.D. WATTS AND
FRANCES SASSER
D.B. 8572, PG. 963
(NOW OR FORMERLY)
LOT 3
1.24 ACRES
LOT 2
1.19 ACRES
S 40°07'55" E
184.00'
20' INGRESS AND EGRESS EASEMENT
PROPOSED LOT LINE
N 40°07'55" W
217.80'
IRON PIN
FOUND
N61°00'36"E
152.76'
IRON PIN
FOUND@28.08'
IRON PIN
FOUND@29.88'
PP
140.21'
200.00'
20'
140.00'
N49°51'50"E
500.21' (TOTAL)
BARTLETT ROAD

1" = 100'

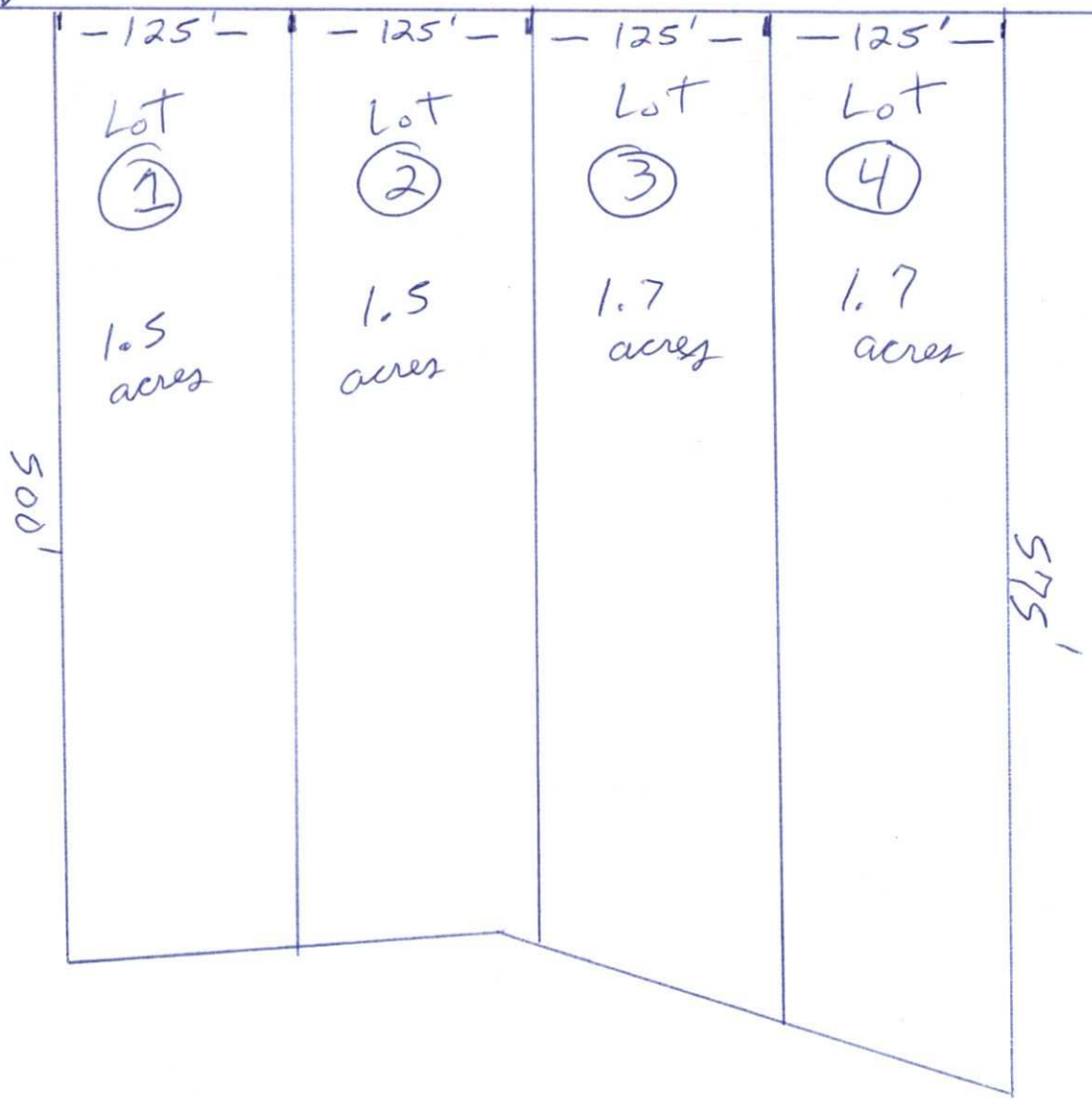

BARTLETT RD
140'
140'
200'
20' driveway
Lot 1
Lot 2
Lot 3
585'
200'
575'
575'
Lot 4


150'
100'
165'
125'
115'
324'
520'
520'
625'
560'
4
3
2
1
187'
125'
125'
125'
125'
Bartlett Road

1" = 100'

Tax MAP 1393711

BARTLETT RD



GREG STORY
704-361-0825

1" = 100'


ARTLETT RD
140'
200'
140'
Lot 1
2.0 acres
Lot 2
1.1 acres
Lot 3
1 acre
Lot 4
2.5 acres
DRIVEWAY
20'
918'
190'
325'
115'
110'
207'
245'
165'
235'
125'
N 71° W
H
1
2
3
4
5
DF