Supervisor/Administrative Professional Checklist

New Septic ☒ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP ($250.00) ✓ Initials/Date

CA ($200.00) LE 6/25/15 Initials/Date

OP ($200.00) LE 6/25/15 Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ SAM

This site is served by septic and well. Verify each is complete before final hold is released. ☐

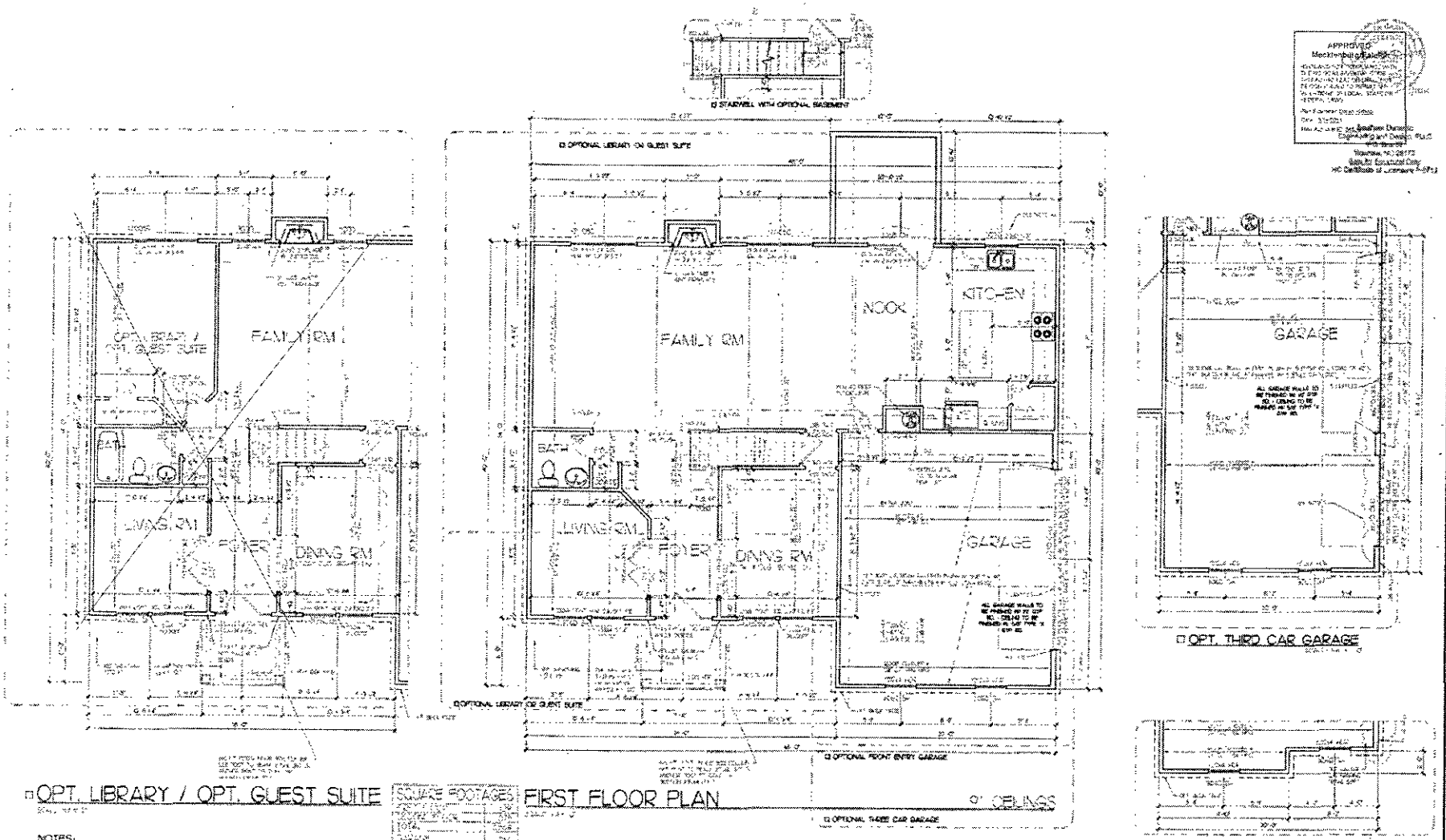
Septic file completed. ☐ _____ Well file completed. ☐ _____

Send permit for signature. ☐ Signature received. ☑ SAM

per Jenny approved as noted. [redacted] in possession as of 6/25/15.

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ _____



□ OPT. LIBRARY / OPT. GUEST SUITE

SQUARE FOOTAGES

FIRST FLOOR PLAN

9' CEILINGS

NOTES:

- ALL 6-0 WINDOWS ON REAR WALL THIS FLOOR TO BE 5-0 WINDOWS WHEN BASEMENT OPTION FLOOR IS USED

APPROVED

Knotts Builders

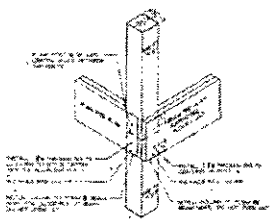
THE ROANOKE

FIRST FLOOR PLAN

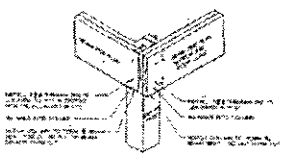
3

SHEET NO.

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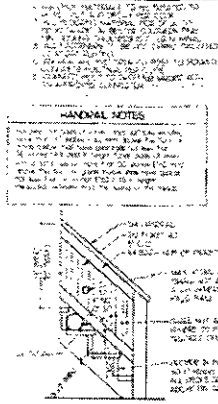


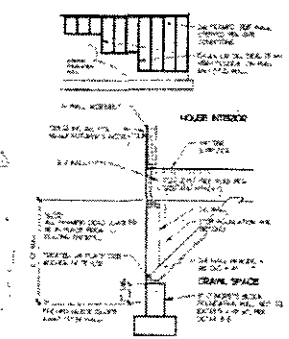
POST / BEAM CONNECTION DETAIL



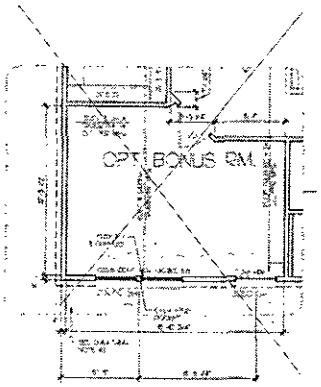
POST TOP / BEAM CONNECTION DETAIL

CONSTRUCTION NOTES

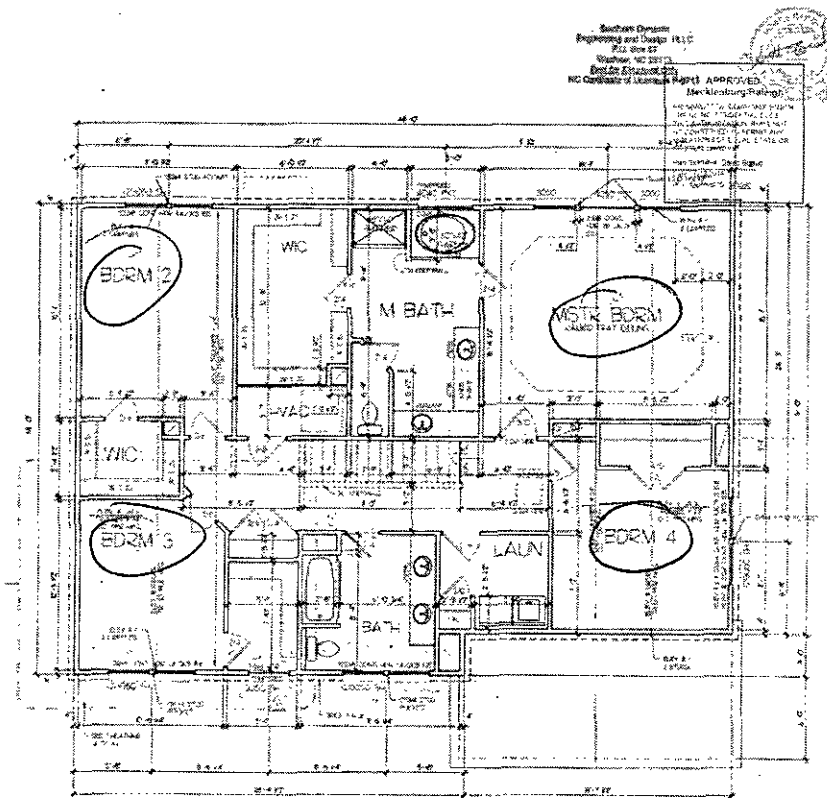




STEPPED DOWN CRAWL FOUNDATION WALL (SIDING)



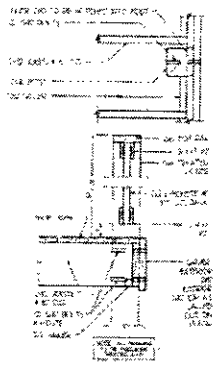
OPTIONAL BONUS ROOM



SECOND FLOOR PLAN

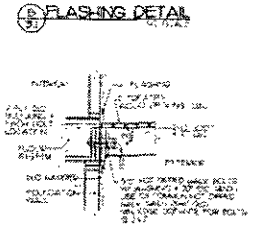
NOTES:

TYPICAL STAIR DETAIL





FLASHING DETAIL



DECK EDGE DETAIL

TYPICAL DECK BOLT DETAIL

-DO NOT REPRODUCE WITHOUT PERMISSION-
C. CAROLINA SUSTAINABLE RESIDENTIAL DESIGN, LLC 2014 , ALL RIGHTS RESERVED.

Knotts Builders

THE ROANOKE

SECOND FLOOR PLAN

3.1

Ellis, Loretta

From: Terry Knotts <Terryk@knottsdevelopment.net>
Sent: Tuesday, June 23, 2015 3:53 PM
To: Ellis, Loretta
Subject: FW: Septic permit for 8107 Caliterra Drive
Attachments: filename-1.pdf; The Roanoke County floor plan for septic.pdf

Did you get this and is it approved?

#6

Thanks
Terry

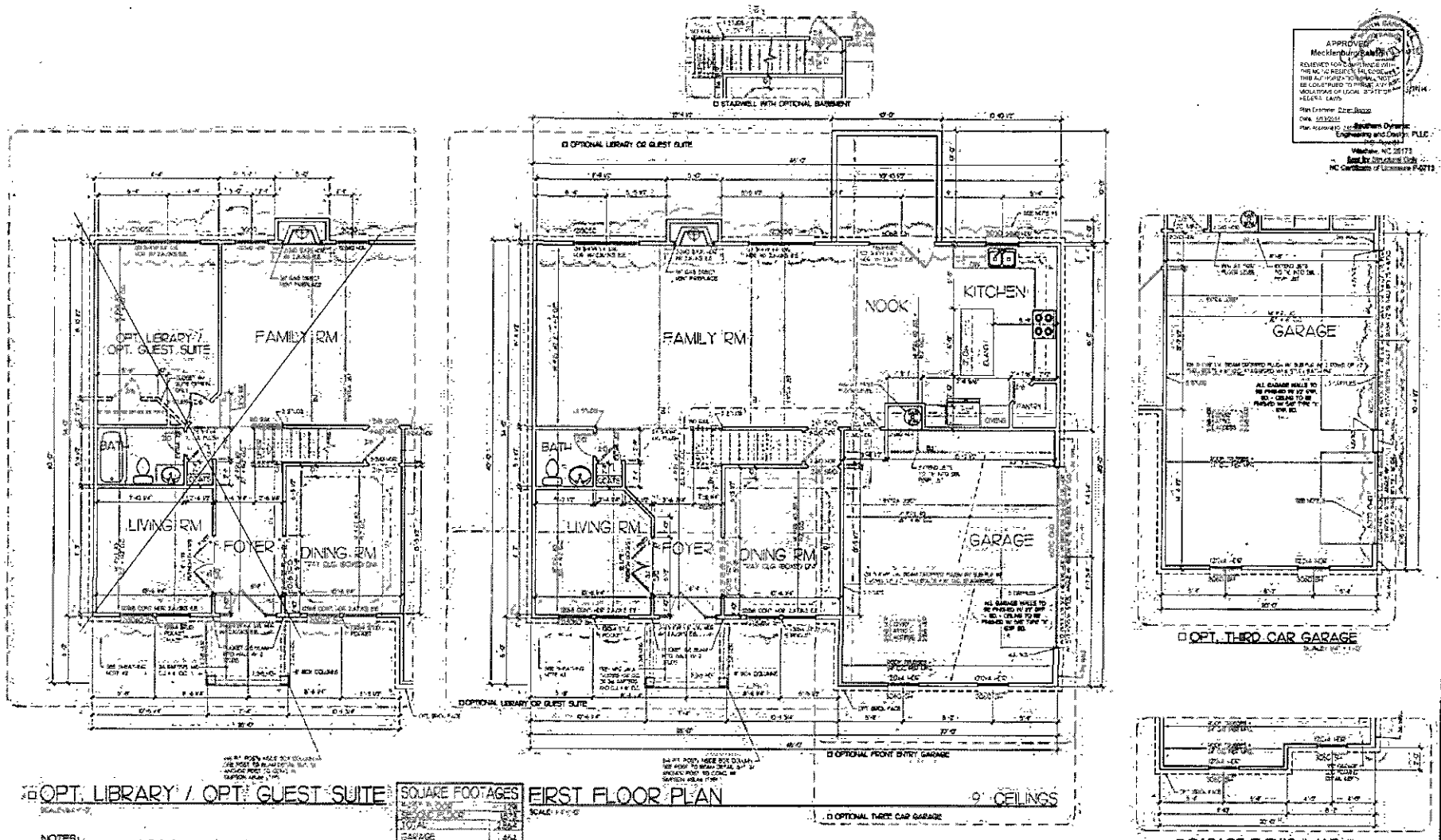
Parcel #19713151

From: Terry Knotts
Sent: Tuesday, June 09, 2015 1:46 PM
To: 'Walker, Valerie'; 'Hallman, Bradley'; 'Michael, Jeremy'
Subject: Septic permit for 8107 Caliterra Drive

I have attached the septic permit for lot 6 in Irongate as well as the floor plan for the home we will build there. Please charge my account for the permit to construct and release the hold on my building permit as soon as you can get all the steps completed. Knotts builders account number is X43281.

Thanks, let me know if you have any questions.

Terry Knotts
704-542-5486



APPROVED
Mecklenburg County

REVIEWED FOR COMPLIANCE WITH THE NC RESIDENTIAL CODE. THIS APPROVAL IS ORIGINAL NOTE TO BE CONSTRUED TO PERMIT ANY VIOLATIVE OF LOCAL, STATE OR FEDERAL LAWS.

Plan Examiner Dave Boone
Date 5/13/2014
Plan Approved by Southern Dynamic Engineering and Design, PLLC
Per Appendix
Waxhaw, NC 28173
Seal for Structural Only
NC Certificate of Licensure P-0713

OPT. LIBRARY / OPT. GUEST SUITE

FIRST FLOOR PLAN

SCALE: 1/4"=1'-0"

9' CEILINGS

SQUARE FOOTAGES	
MAIN H. ROOF	1,578
PORCH ROOF	154
TOTAL	1,732
GARAGE	462
BASEMENT	850
HVAC STOR.	36
FRONT PORCH	64
LOFT PORCH	64
REAR PORCH	64
ACCESS PORCH	64
MORNING GLAMES OU	64
COVERED PORCH	150

NOTES:

1 - THE LATERAL BRACING REQUIREMENTS OF THIS PLAN HAVE BEEN ACCOUNTED FOR UTILIZING AN ENGINEERED DESIGN AS PERMITTED BY SECTION R602.10.1 OF THE 2012 NORTH CAROLINA RESIDENTIAL CODE AMENDMENTS.

2 - ALL PERIMETER WALLS ARE TO BE FULLY SHEATHED WITH A GYPSUM PANEL PRODUCT AND ATTACHED TO THE WALL FRAMING STUDS WITH SELF DRIVEN NAILS AT 8" O.C. SPACING AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.

3 - METAL BRACING ALONG CURB WALL, FRONT, MASTER BATH, KITCHEN AT 36" FROM 0 TO 84" AND AT 8" O.C. AT REMAINDER PLANNING WALL LESS THAN 10" OF OPENING SHALL BE SHEATHED.

4 - BRACE ALL GABLE END WALLS PER THE CODE.

ALL 6-0 WINDOWS ON REAR WALL THIS FLOOR TO BE 5-0 WINDOWS WHEN BASEMENT OPTION FLOOR IS USED

DO NOT REPRODUCE WITHOUT PERMISSION
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Knotts Builders

Carolina Sustainable Residential Design, LLC

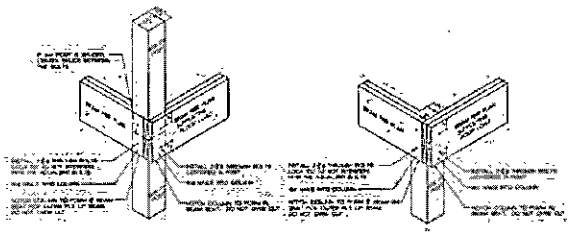
THE ROANOKE

FIRST FLOOR PLAN

DATE: 4/15/14

3

SHEET NO.

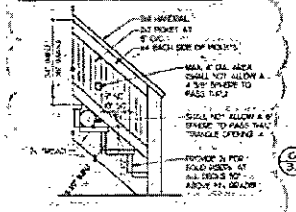


POST / BEAM CONNECTION DETAIL

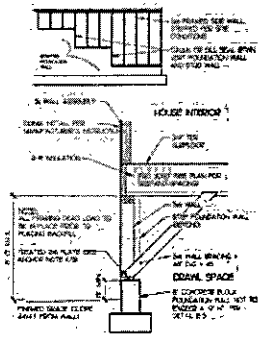
POST, TOP / BEAM CONNECTION DETAIL

CONSTRUCTION NOTES

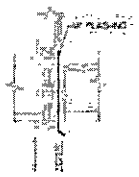
HANDRAIL NOTES



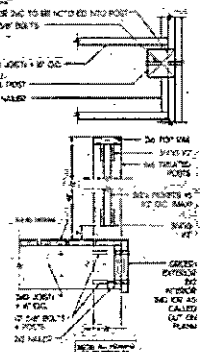
TYPICAL STAIR DETAIL



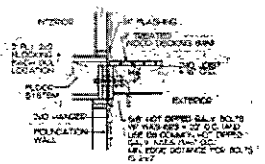
STEPPED DOWN CRAWL FOUNDATION WALL (SIDING)



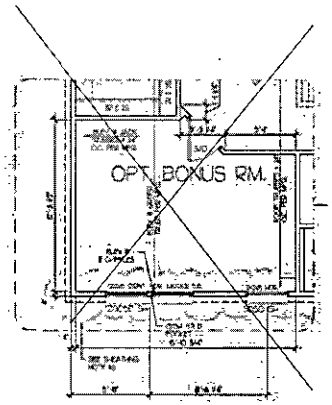
FLASHING DETAIL



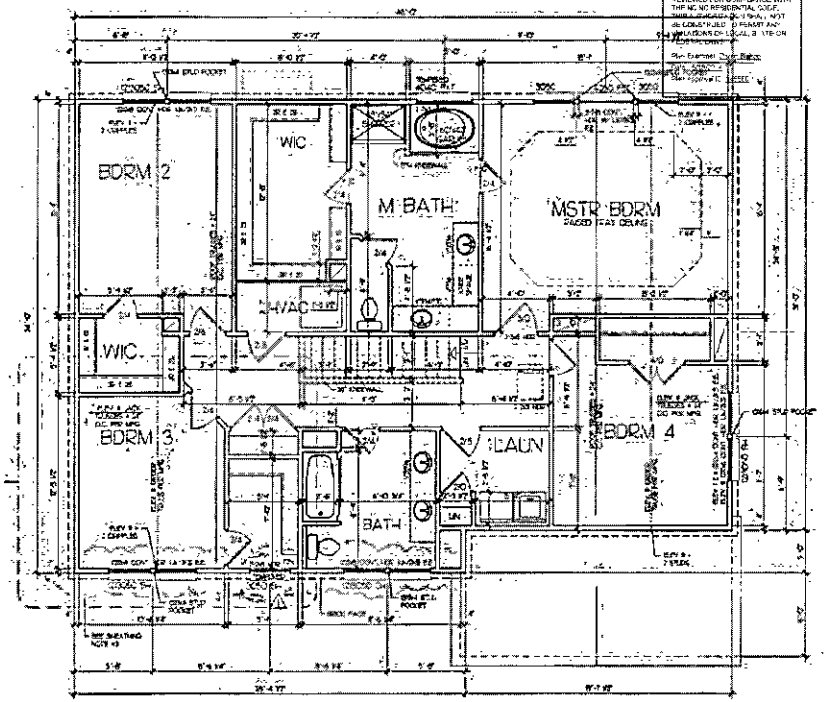
DECK EDGE DETAIL



TYPICAL DECK BOLT DETAIL



OPTIONAL BONUS ROOM



SECOND FLOOR PLAN

SCALE: 1/4"=1'-0"

NOTES:

1 - ALL EXTERIOR WALLS ARE TO BE FULLY SHEATHED WITH A MINIMUM 7/16" O.S.B. AND ATTACHED TO THE WALL FRAMING BELOW WITH AN EDNOCOR NAILS @ 6" O.C. SPACING AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.

2 - INSTALL BLOCKING ALONG OSB PANEL EDGES. FASTEN PANEL EDGES AT BLOCKING @ 6" O.C. AND AT 12" O.C. AT INTERMEDIATE FRAMING WHEN LESS THAN 24" BUT GREATER THAN 3/4 OF WALL IS SHEATHED.

3 - SHEATH ALL GABLE END WALLS W/ 7/16" O.S.B.

APPROVED
Mecklenburg/Raleigh
REVIEWED FOR COMPLIANCE WITH THE NC NO RESIDENTIAL CODE. THIS SUBMISSION DOES NOT INCLUDE ALL OF THE REQUIREMENTS OF THE NC RESIDENTIAL CODE. PERMIT APPLICANT IS RESPONSIBLE FOR ALL APPLICABLE CODE REQUIREMENTS NOT INCLUDED IN THIS REVIEW.

Knotts Builders

Carolina Sustainable Residential Design LLC

THE ROANOKE

SECOND FLOOR PLAN

DRAWN BY: S. CHILLINGER
DATE: 9/2/2015
LATEST REVISION:

3.1
SHEET NO.

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9820 BRIEF RD

19713105

LOT6

1/10/2008

duponbj

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

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 6513B WASPS App #: 031

Primary ES assigned to project: YS

Secondary ES assigned to project: _____

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 4			
	Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR 275	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees; seats, etc. indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☐	No ☐	N/A ☑
130A-336(a)(1)	Property line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☑	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: _____ Date performed: 8/16/07

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202.
Phone: (704) 336-5103 Fax: (704) 336-8894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30000831 GWS File #: 6513B Tax Parcel #: 197-131-05

- 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):** 8/14/2012

Type of Installation: Residential - New System Lot Number: 6

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 3

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd): 460 LTAR (gpd/ft^2): .275 Septic Tank Size (gal): 1500 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1309 Total Trench Length (ft): 436

Maximum Trench Depth (in): 30 Depth of Media (in): N/A Distribution Device: Distribution Box

III. Repair System Type: Pump to Approved **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd): 460 LTAR (gpd/ft^2): .275 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1309 Total Trench Length (ft): 436

Maximum Trench Depth (in): 30 Depth of Media (in): N/A Distribution Device: Distribution Box

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: Jeremy Michael Owner/Legal Agent: Knotts Builders

Signature: Jeremy Michael Signature: Print Name Terry Knotts Pres.

Date Issued: 8/14/2007

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-8694

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30000831 GWS File #: 6513B

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.
- System must meet required setbacks off storm drain as shown on plot plan.

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
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DENR Authorized Agent: Jeremy Michael

Signature: Jeremy Michael

Date Issued: 8/14/2007

Owner/Legal Agent: Knotts Builders

Print Name

Signature: Terry Knotts

Terry Knotts - President

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

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Repair System Specifications:

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DENR Authorized Agent: Jeremy Michael Owner/Legal Agent: _____
Print Name

Signature: Jeremy Michael Signature: _____

Date Issued: 8/14/2007

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30000831** GWS File #: **6513B**

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.
- System must meet required setbacks off storm drain as shown on plot plan.

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: Jeremy Michael

Signature: Jeremy Michael

Date Issued: 8/14/2007

Owner/Legal Agent: _____
Print Name

Signature: _____

PROPOSED PLOT PLAN

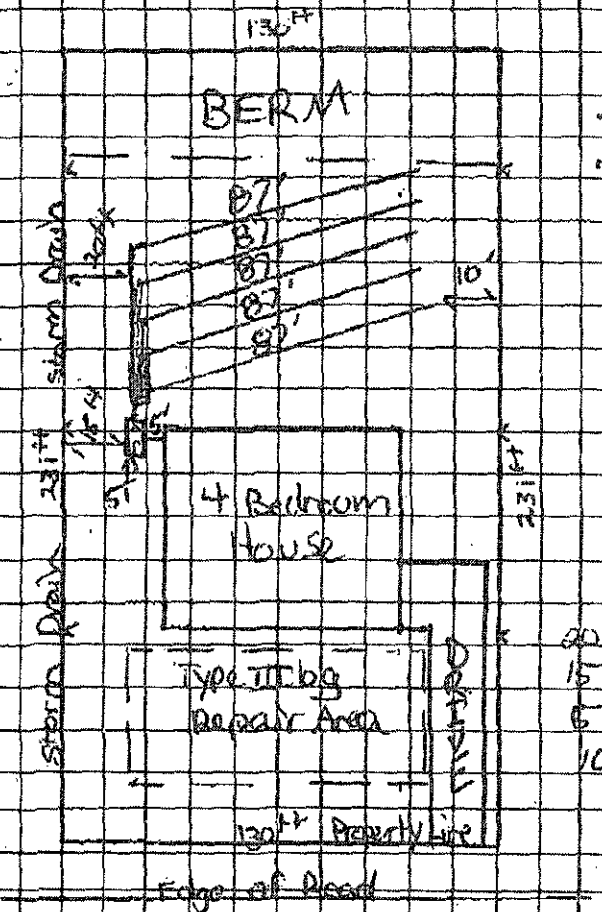
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

Lot #6 Iron Gate

FILE: 6513R

TC: 197-131-05

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.



SCALE 1" = 50'

Septic System Design
4 Bedroom 480 GPD
- LTAR = .225
- Total LF = 485 ft
25% Reduction
Type IIIg

5 Lines at 87 ft
Install on contour

1500 Gal Septic Tank
D-Box

Setbacks off Septic System
20 ft off storm drain where it opens up.
15 ft off storm Drain Pipe
5 ft off building structure and deck
10 ft off other property lines.

Type IIIbg Repair

Side Load Drive's Gauge Only.

OWNER/AGENT SIGNATURE

DATE 6-9-15

APPROVAL DATE 08-13-2007

Jeremy Nichols

PROPOSED PLOT PLAN

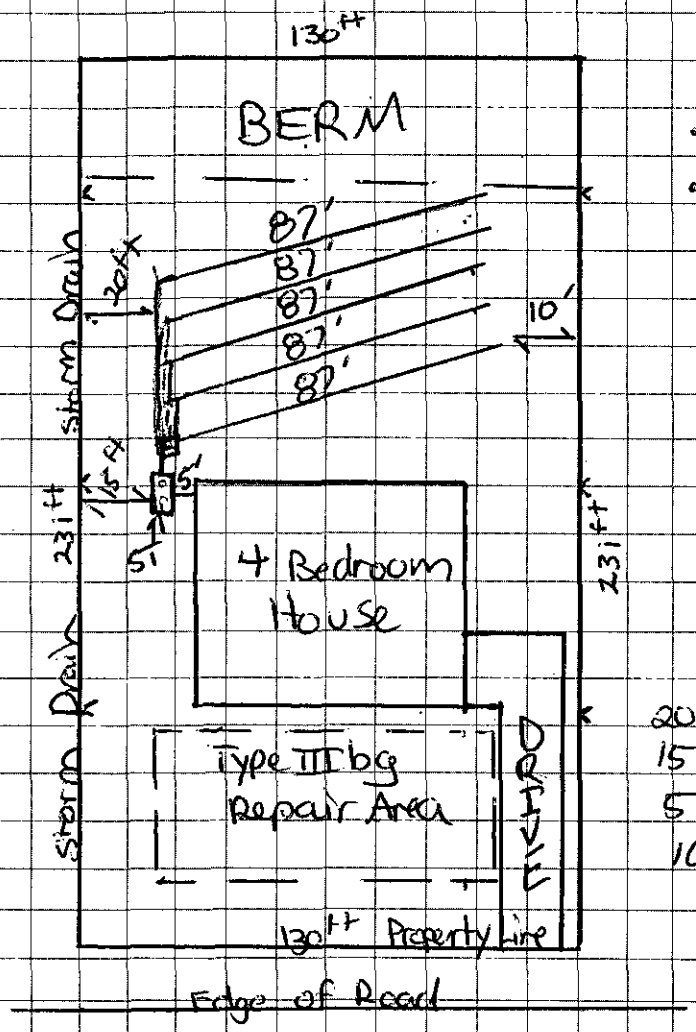
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

Lot #6 Iron Gate

FILE: 6513B

TC: 197-131-05

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.



SCALE 1" = 50'

Septic System Design
4 Bedroom 480 GPD
- LTAR = .275
- Total LF = 435 ft
25% Reduction
Type IIIg

5 Lines at 87 ft
Install on contour.

1500 Gal Septic Tank
D-Box

Setbacks off septic System
20 ft off storm drain where it opens up.
15 ft off storm Drain Pipe.
5 ft off building structure and deck
10 ft off other property lines.

Type IIIbg Repair

Side Load Drive's Garage Only.

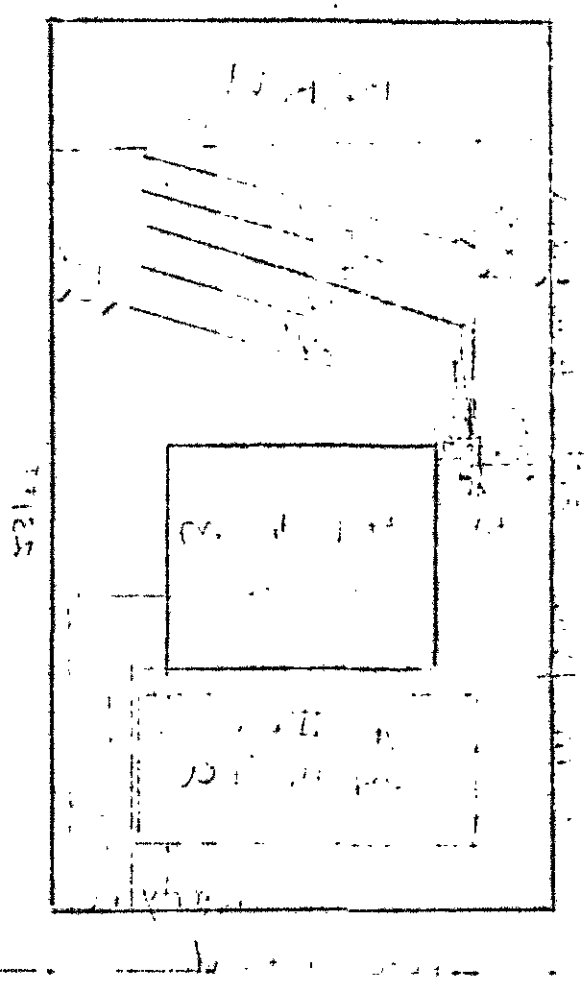
OWNER/AGENT SIGNATURE

DATE

APPROVAL DATE 08-13-2007

Jeremy Michael

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 197-131-05
Lot #: 3rd
File #: 6513B
Code: 1

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Angela B. Page
Applicant: J. Scot Collins
Address: 9900 Brief Road, Charlotte, N. C. 28227
Date Evaluated: 6/13/06
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: .69a
Location of Site: 9820 Brief Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] 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	SOIL MORPHOLOGY .1941 1941 Consistence Mineralogy	OTHER PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS, 8	0-6	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		6-42	ABK/SBK/C	FI/SEXP/S/P					.25GPD/FT^2
		42-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-5	GR/CL	"	>43" TO SOIL WETNESS	43	"	"	PS, IV
		5-24	SBK/ABK/C	FI/SEXP/S/P					.275GPD/FT^2
		24-43	SBK/CL	FR/SEXP/SS/SP					
3	"	0-6	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	"
		6-42	ABK/SBK/C	FI/SEXP/S/P					
		42-48	SBK/CL	FR/SEXP/SS/SP					
4	"	0-8	GR/CL	"	"	"	"	"	"
		8-48	ABK/SBK/C	FI/SEXP/S/P					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III g	III gb
Site LTAR	.275GPD/FT^2	.275GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 6/14/2006, W. R. Marlin
Others Present:

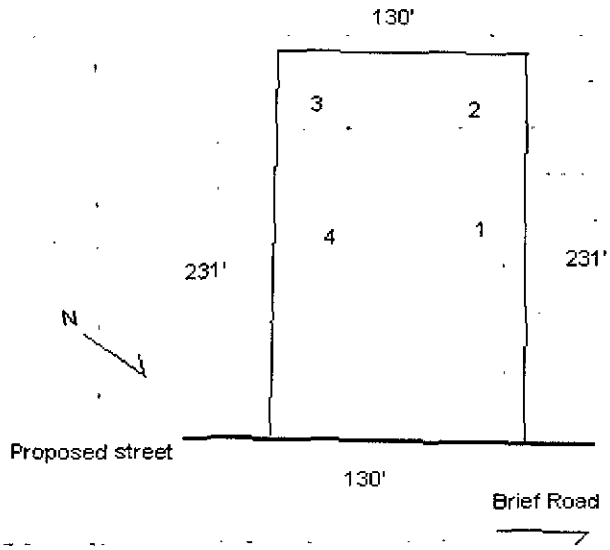
COMMENTS:
100% repair

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
LS-Linear Slope			
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6
NS-Nose Slope		L-Loam	
HS-Head Slope			
CC-Concave Slope	III	SI-Silt	0.6 - 0.3
CV-Convex Slope		SICL-Silty Clay Loam	
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	

Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic

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



GWS – RES. APP 07/05

SEPTIC FEE: 200 cc
DATE: 5/15/06
CRT [ ] SC

831

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 6513B

WELL FEE: _____
DATE: _____
CRT [ ]

SEPTIC / TYPE APPLICATION: ☐ NONE ☒ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☐ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:

TAX/PARCEL #: Portion of 19713105
STREET ADDRESS: 9820 Brief Road
CITY: Charlotte
STATE: NC ZIP: 28227
SUBDIVISION OR MOBILE HOME PARK NAME: Undecided
LOT #: 6

TOWNSHIP:

☐ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☒ 7-MINT HILL

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☒ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE: n/a
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: n/a

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☒ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☐ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☐ PRIVATE WELL (P) ☒ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☒ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☒ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☒ NO	DESIGNATED WETLANDS	☐ YES	☒ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☒ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☒ NO

PROPERTY OWNER:

NAME: Angela B. Page
ADDRESS: 9900 Brief Road
CITY: Charlotte
STATE: NC ZIP: 28227
HOME PHONE: 704.545.6375 WORK PHONE:
MOBILE PHONE: FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: J. Scot Collins
ADDRESS: 1101 Lester Mullis Road
CITY: Indian Trail
STATE: NC ZIP: 28079
HOME PHONE: 704.248.8493 WORK PHONE: 704.641.4470
MOBILE PHONE: FAX: 704.753.5898

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? n/a
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? within 30 days

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

J. Scot Collins 5/15/06
Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

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 #: **30000831** GWS File #: **6513B** Tax Parcel #: **197-131-05**

- 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):** 12/13/2011

Type of Installation: Residential - New System Lot Number: 31

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 3

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1309	Total Trench Length (ft):	436
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

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

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1309	Total Trench Length (ft):	436
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

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: 12/13/2006

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 #: **30000831** GWS File #: **6513B**

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DENR Authorized Agent: David Cornelius

Signature: _____

Date Issued: 12/13/2006

Owner/Legal Agent: _____
Print Name

Signature: _____

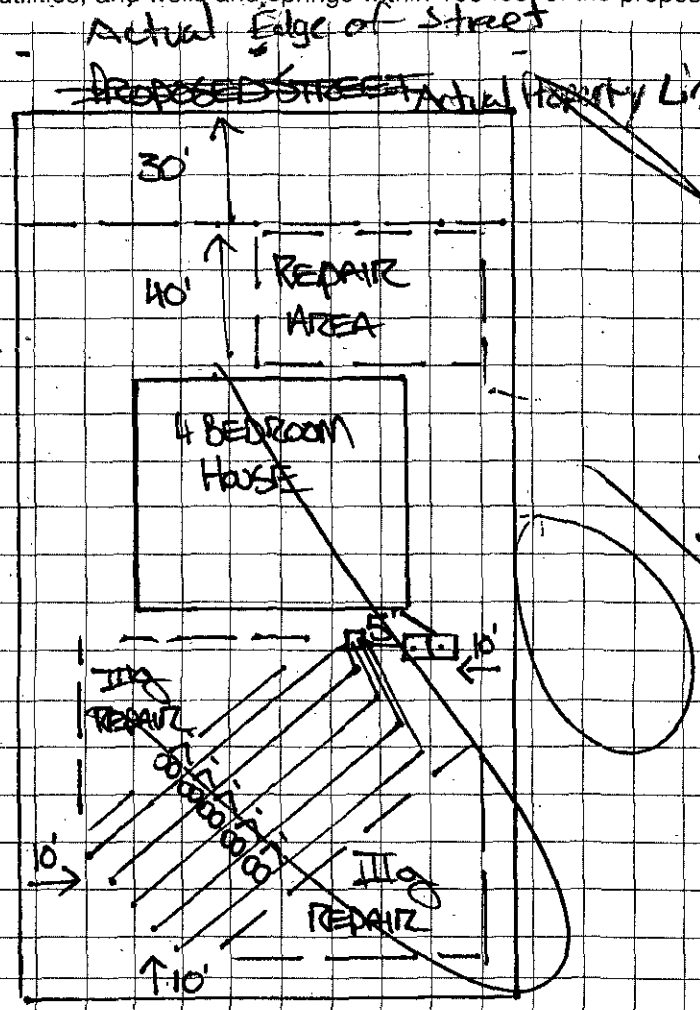
PROPOSED PLOT PLAN

1" = 50'

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

LOT # 31
COLLINS - BRIEF RD
FILE: 65138
TC: 197-131-05

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 GPD
- LTAR = 0.275
- TOTAL LINEAR FT = 435
- INNOVATIVE; 25% REDUCTION
- TYPE III g

INSTALL - 5 LINES 87'

- PLACE LINES LEVEL, ON CONTOUR & ON 9' CENTERS

- 1500 GAL SEPTIC TANK
- D-BOX

SETBACKS:
KEEP ALL PARTS OF SYSTEM
> 5' FROM HOUSE FOUNDATION
> 10' FROM PROPERTY LINE.
> 100' FROM ANY WELL.

REPAIR AREA = TYPE III g

OWNER/AGENT SIGNATURE

DATE

APPROVAL DATE 12/13/06

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/25/15	**Amount:**	200.00
Receipt #:	95201	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X43281
Contractor: KNOTTS BUILDERS
Attn:
Address: P O BOX 687
Address:
City/State/Zip: PINEVILLE, NC 28134

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 9820 BRIEF RD/CALITERRA DR		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,666.53					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/25/15	**Amount:**	200.00
Receipt #:	95199	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

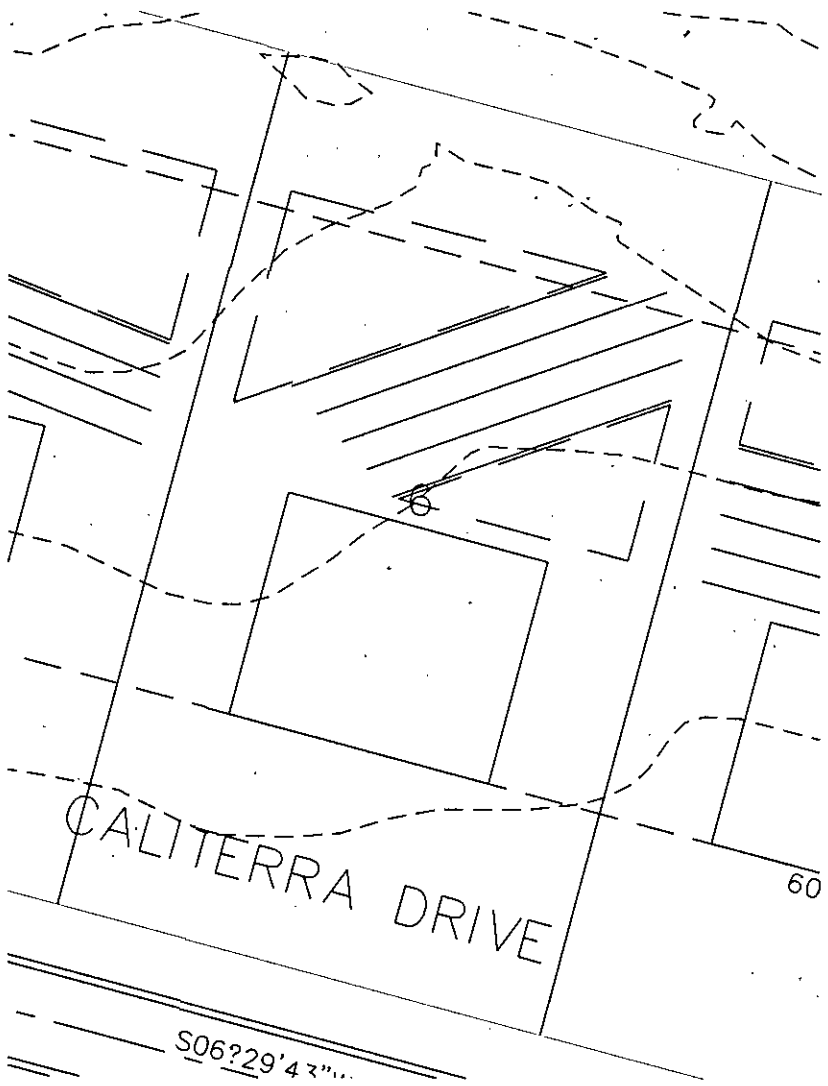
Account Information

Account #: X43281
Contractor: KNOTTS BUILDERS
Attn:
Address: P O BOX 687
Address:
City/State/Zip: PINEVILLE, NC 28134

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 9820 BRIEF RD/CALITERRA		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,466.53					

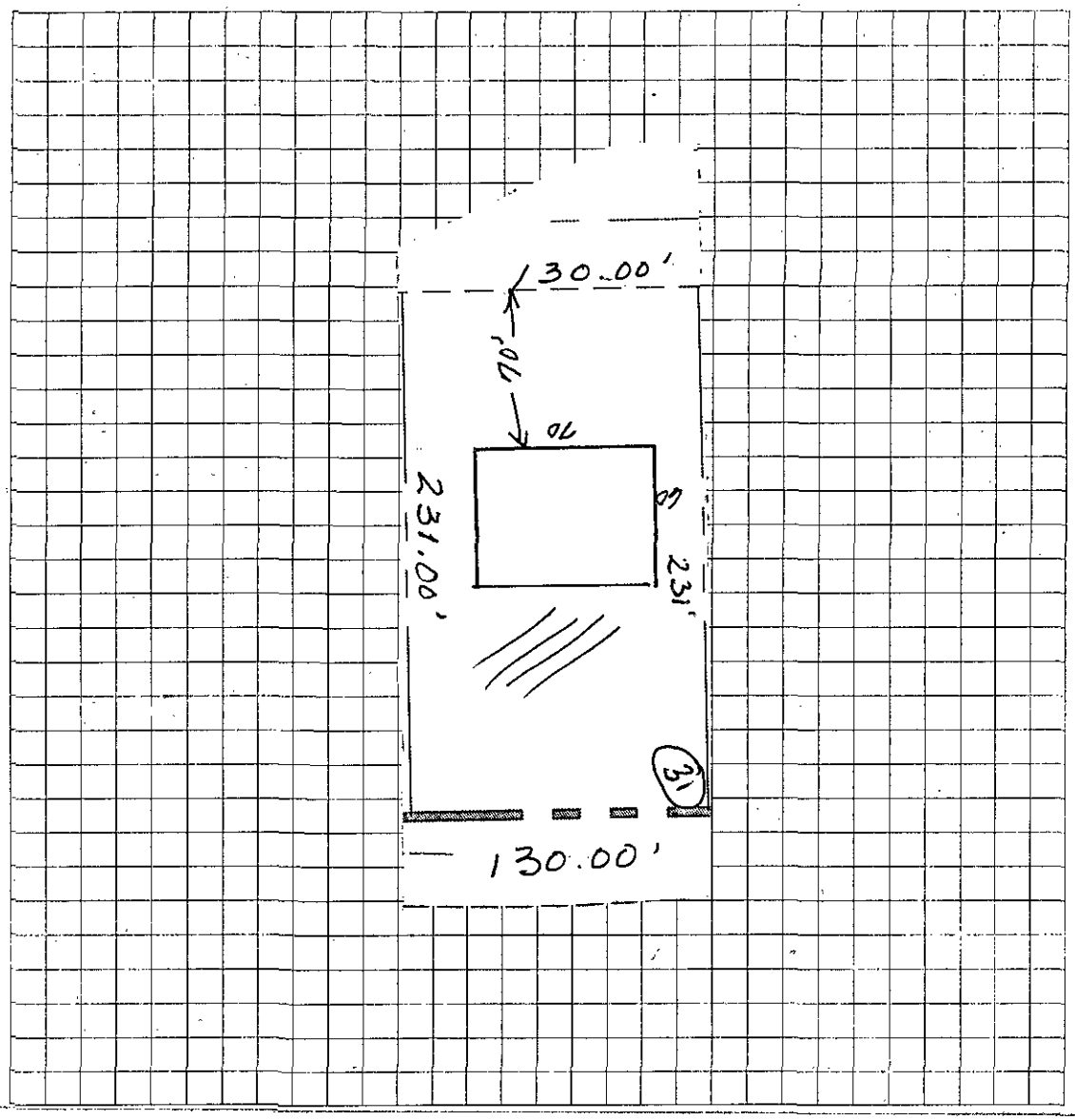

CALITERRA DRIVE
60
S06?29'43"

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 # 6513B
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
Date

LBC 12/15/04