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) _____ Initials/Date

OP ($200.00) _____ 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. ☐ 7/14/15 Well file completed. ☐ _____

Send permit for signature. ☑ Signature received. ☑ 9/18/14

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

Certified operator contract is on file. ☐ _____

MOUNTAIN SOILS, INCORPORATED

71 LEDFORD DRIVE FRANKLIN, NC 28734
EMAIL: SJMELIN@EARTHLINK.NET WEBSITE: WWW.MOUNTAINSOILS.COM
CELL: (828) 551-9903 OFFICE/FAX: (828) 524-5962

April 9, 2015

Ms. Kim Garrett
Mecklenburg County Groundwater and Wastewater Services
700 N. Tryon Street, Suite 211
Charlotte, NC 28202

Re: 15215 Ewart Road; Mecklenburg County Onsite Septic Permit# 3007010 (9/10/2014)

Dear Ms. Garrett,

This letter is intended satisfy the permit condition that "Upon completion of the project the system designer shall provide Groundwater and Wastewater Services a letter certifying that the system was installed in accordance with the approved design". Please note that project site is at 15215 Ewart Road (Tax ID# 019-441-05) and is in reference to Improvement Permit# 3007010 (9/10/2014).

I hereby certify that the system designed was installed by Dellinger Grading in accordance to the design specified in our Soils Report. This includes a 1,500 gallon septic tank, a distribution box (with speed levelers), five (5) – one-hundred twenty foot (120') drainlines of Quick-4 chamber material, and a 24-inch trench bottom installation depth.

I greatly appreciate your time. Please feel free to contact me if additional information is required.

Kind Regards,

Steven J. Melin, LSS 4-9-15

Steven J. Melin, LSS
Project Manager – Environmental Services
Mountain Soils, Inc.



Cc: Bob McGivern (6:48 Renovations)

MOUNTAIN SOILS, INCORPORATED

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EMAIL: MOUNTAINSOILS@FRONTIER.COM WEBSITE: WWW.MOUNTAINSOILS.COM
OFFICE/FAX: (828) 524-5962 CELL: (828) 421-3149

ON-SITE SOIL AND SITE EVALUATION

15215 Ewart Road
Huntersville (Mecklenburg County), North Carolina
Tax ID# 019-441-05
5-Bedroom Home

GWS Septic System Design Review

GWS File #: _____ Approved ☐ Disapproved ☐

Design Review: _____

Field Review: _____

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

Prepared by:

MOUNTAIN SOILS, INC.
15 Lone Coyote Ridge
Fletcher, NC 28732
828-551-9903
sjmelin@earthlink.net

LICENSED SOIL SCIENTIST
STEVEN J. MELIN
1254
STATE OF NORTH CAROLINA

Steven J. Melin #1254

Steven J. Melin, LSS

September 6, 2014

MOUNTAIN SOILS, INCORPORATED

71 LEDFORD DRIVE FRANKLIN, NC 28734
EMAIL: MOUNTAINSOILS@FRONTIER.COM WEBSITE: WWW.MOUNTAINSOILS.COM
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15215 Ewart Road **09/06/2014**
Huntersville (Mecklenburg County), NC (PIN# 019-441-05)

Onsite Wastewater Septic System Overview:

The following report has been prepared by Mountain Soils, Inc. (MSI) for 15215 Ewart Road in Huntersville (Mecklenburg County), North Carolina.

Application Type:	IP (5-BDR)					
Number of Bedrooms:	Accepted Septic System	**GPD**	**Soil Group**	**Soil Texture**	**LTAR**	**Linear Feet Required Calculation (in Square and Linear Feet)**
Initial Septic System:	25% Reduction	600	IV	Clay	0.25	600 gpd / 0.25 gpd/ft^2 = 2,400 ft^2 2,400 ft^2 / 4 ft trench eq. = 600 ft (See calculations below)
Repair Septic System:	25% Reduction System -Area currently permitted by Mecklenburg County (Permit# 3006046)- (See calculations below)					
Easement Required:	NO					

Onsite Wastewater Septic System Configuration:

The following system type/design has been prepared by MSI 15215 Ewart Road in Huntersville (Mecklenburg County), North Carolina. The onsite system design/layout is for five-bedrooms. The septic area has been evaluated and determined to contain Group

MOUNTAIN SOILS, INCORPORATED
71 LEDFORD DRIVE FRANKLIN, NC 28734
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IV soils (the most restrictive texture being clay). A long-term acceptance rate (LTAR) of 0.25 has been assigned to these soils *(See attached soil descriptions).*

MSI recommends utilizing a 25% Reduction type system for the septic drainfield. The (initial) septic system will require 600 linear feet of material to accommodate the 5-bedroom septic system. The trench depth will need to be between 18 to 24 inches (low side of trench), due to seasonal high water table logged in two of the pits at 38-inches. It is anticipated that gravity flow can be maintained. However, if final as built locations and elevations prevent gravity flow to the septic tank, then a pump tank set-up (and pressure manifold) will be required. The square and linear footage required for installation of this system is illustrated below.

5 bedrooms x 120 gallon per bedroom per day = 600 gallons per day (gpd)
Group IV, Clay, 0.25 gallons per square foot per day (LTAR)
Square Footage required: 600 gpd / 0.25 LTAR = 2,400 square feet
2,400 ft^2/4' trench equivalency= 600 Linear Feet

MSI recommends utilizing a 25% Reduction system for the repair septic drainfield. Please note that this area is currently permitted for a 5-bedroom initial and repair system (Mecklenburg County Permit 3006040).

The proposed septic system area has been delineated in the field. It is proposed to utilize 600 linear feet of 25% Reduction material (5 - 120' lines fed from a distribution box) for the septic drainfield. *(See attached site plan for detail.)* It is also recommended to delineate the system again prior to installation.

MOUNTAIN SOILS, INCORPORATED

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Before any construction begins, it is required to conduct a pre-construction conference. These conferences typically include the homeowner/representative, the certified installer, and an Environmental Health Specialist for the Mecklenburg County Health Department (Environmental Health Section).

Onsite Wastewater Septic System Setbacks (Buffers) and Site Recommendations:

The following items are recommended by MSI to preserve the integrity of the proposed site and surrounding area.

1. MSI recommends encasing all septic system supply lines where they cross roads, drives and/or power lines (*pursuant to Laws and Rules for Sewage Treatment, and Disposal Systems 15A NCAC 18A .1900*)

2. MSI recommends diverting stormwater runoff away from all proposed septic areas.

3. A 1,500 gallon septic tank is proposed to feed a distribution box. The distribution box will feed five (5) one-hundred twenty foot (120') drainlines (see attached site plan).

4. The proposed MSI septic system designs/layouts are based on dodging large trees or other obstacles that may hinder the installation or operation of the septic system.

5. The proposed initial septic system and repair system must maintain a setback (Buffer), specified by North Carolina Department of Environment and Natural Resources (NCDENR), including: 5' horizontal from the house and all foundations, 50' horizontal from any surface water, 100' horizontal minimum from all wells (can be reduced to 50' in circumstances), 10' horizontal from all property lines and water lines, 20' horizontal from any other septic system (except repair) and 15' horizontal from cut banks (unless filled and compacted, 5' horizontal setback)

MOUNTAIN SOILS, INCORPORATED

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15215 Ewart Road 9/6/2014
Mecklenburg County, NC (PIN# 019-441-05)
5-BDR (600 GPD)

Septic System Calculation Worksheet

Initial System: 25% Reduction

Trench Bottom Depth: 18" - 24" (low side of trench)

Gal / Day	Trench Width (Inches)	Trench Equivalency (Feet)	Soil Depth on 0% Slope
600	36	4	30

Slope	Auger #	Soil Depth (in.)	Total Suitable Pit Depth/ Sap. Depth (in.)	Soil Needed (slope adjusted) (in.)	[1] Total Depth of Saprolite Required (2:1 ratio) factoring Soil Depth (in.)	Fill Material Required (in.)	Morphological Based Field LTAR
5%	P1	38	38	31.8	N/A	0	0.25
5%	P2	38	38	31.8	N/A	0	0.25
4%	P3	48	48	31.4	N/A	0	0.25
4%	P4	45	45	31.4	N/A	0	0.25
5%	A1	50	50	31.8	N/A	0	0.3
3%	A5	44	44	31.1	N/A	0	0.3
4%	A6	42	42	31.4	N/A	0	0.3
4%	A7	45	45	31.4	N/A	0	0.3

LTAR Utilized	0.25
Linear Feet Required	600

Repair System: 25% Reduction

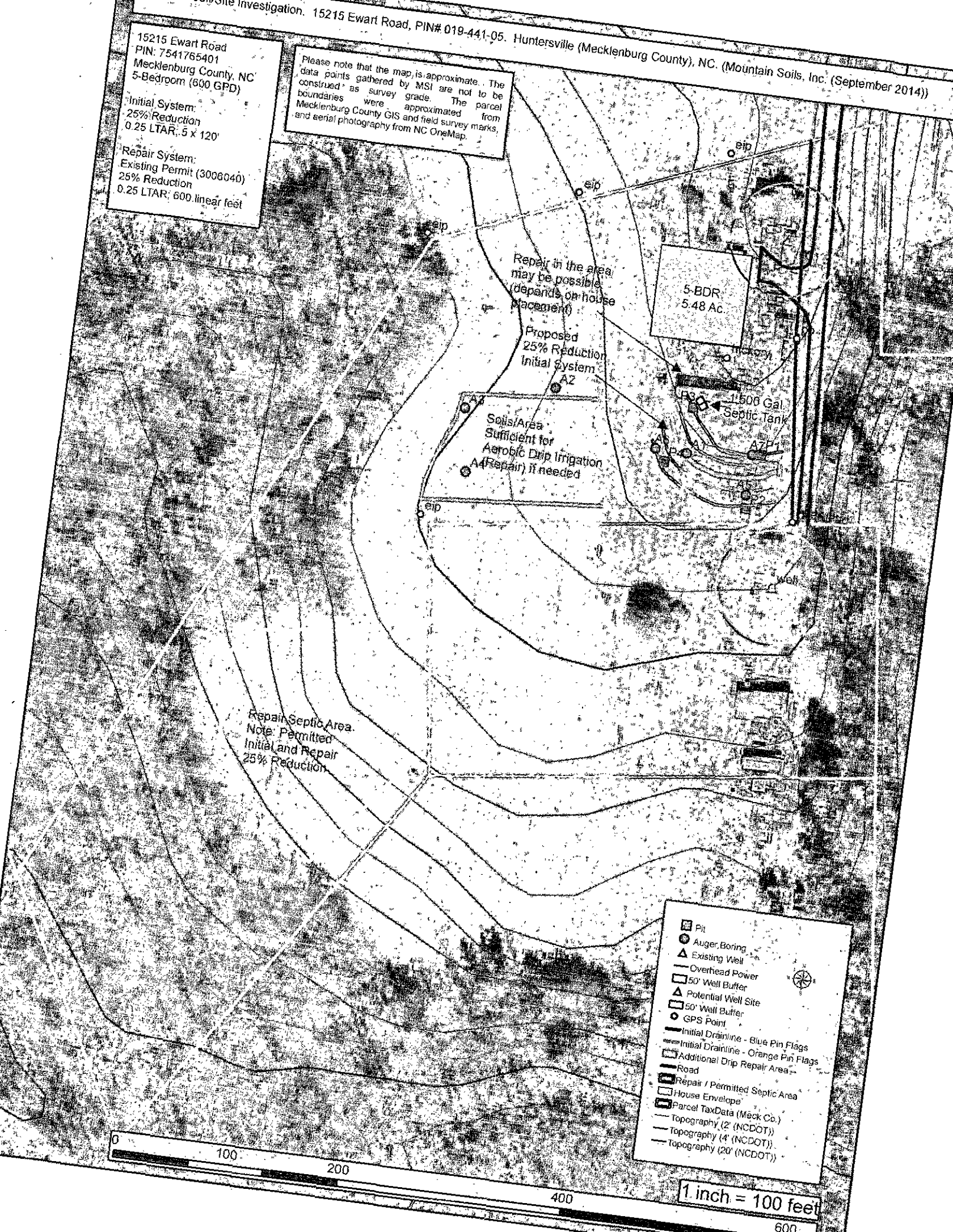
Recommended Trench Bottom Depth: 18-30" (Mecklenburg Co.)

Gal / Day	Trench Width (Inches)	Trench Equivalency (Feet)	Soil Depth on 0% Slope
600	36	4	30

Slope	Pit#	Soil Depth (in.)	Total Suitable Pit Depth/ Sap. Depth (in.)	Soil Needed (slope adjusted) (in.)	[1] Total Depth of Saprolite Required (2:1 ratio) factoring Soil Depth (in.)	Fill Material Required (in.)	Morphological Based Field LTAR

LTAR Utilized	0.25
Linear Feet Required	600

[1] [(soil depth needed-soil depth) x 2] + Soil depth = sap. Depth needed
Above equation only to be used if the difference in soil depth needed and actual soil depth present = 12" or less


Site Investigation. 15215 Ewart Road, PIN# 019-441-05. Huntersville (Mecklenburg County), NC. (Mountain Soils, Inc. (September 2014))
15215 Ewart Road
PIN: 7541765401
Mecklenburg County, NC
5-Bedroom (600 GPD)
Initial System:
25% Reduction
0.25 LTAR; 5 x 120'
Repair System:
Existing Permit (3006040)
25% Reduction
0.25 LTAR; 600 linear feet
Please note that the map is approximate. The data points gathered by MSI are not to be construed as survey grade. The parcel boundaries were approximated from Mecklenburg County GIS and field survey marks, and aerial photography from NC OneMap.
eip
Repair in the area may be possible (depends on house placement)
Proposed 25% Reduction Initial System
A2
A3
Soils/Area Sufficient for Aerobic Drip Irrigation
A4(Repair) if needed
5-BDR 5.48 Ac.
1,500 Gal. Septic Tank
A1
A5
Well
Repair Septic Area. Note: Permitted Initial and Repair 25% Reduction
Pit
Auger Boring
Existing Well
Overhead Power
50' Well Buffer
Potential Well Site
50' Well Buffer
GPS Point
Initial Drainline - Blue Pin Flags
Initial Drainline - Orange Pin Flags
Additional Drip Repair Area
Road
Repair / Permitted Septic Area
House Envelope
Parcel TaxData (Meck Co.)
Topography (2' (NCDOT))
Topography (4' (NCDOT))
Topography (20' (NCDOT))
0
100
200
400
600
1 inch = 100 feet

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

15215 Ewart Rd

PROPERTY ID #:
DATE OF EVALUATION: 8-8-14
COUNTY: Mecklenburg

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON	DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Low 5+	Ap	0-5	1 mgr / sl	Fr	5 YR 3/3	>50"			IV
		Bt	5-12	1 m sbk / scl	Fr	5 YR 5/4				0.30
		Bt	12-32	2 m sbk / sc	F. (33 pl)	5 YR 5/6	10 YR 6/8			
		Bt	32-50	2 m sbk / sc	Fr	7.5 YR 5/6	+ Fi. tho chroma		red. zone	
2	(Low) 7-f	BA	0-7	1 mgr / sl	Vfr	7.5 YR 4/4				Dip only
		Bt	7-12	1 m sbk / scl	Fr (33 pl)	7.5 YR 5/6			16"	
		Bt	12-16	2 m sbk / sc	Fi	+ Red			Redox	
		Bt	16-27"	2 m sbk / c	vi fi	+ Red/gray			27" gley matrix	
3	(Low) 8 f	Bw	0-7	1 fg- / sl	V fr	7.5 YR 5/4 + Mix	>20"		18"	Drip only
		Bt	7-18	1 m sbk / scl	Fr				Red.	
			18"	1 m sbk / scl		Same + 10 YR 7/2				
4	Low 5-f	BA	0-8	1 mgr / sl	Vfr	5 YR				0.3
		Bt	8-19	1 m sbk / scl	Fr	5 YR 5/4				
		Bt	19-27	1 m sbk / scl	Fi	7.5 YR 5/4	thin zone 10 YR 6/2		24" Red.	
		Bt	27-30"	1 m sbk / sc	Fr/Fi	+ gray				
5	Sh 3-f.	Bt	0-5	1 m sbk / scl	Fr	5 YR 4/4	>44"			0.3"
		Bt	5-12	2 m sbk / sc	Fi	2.5 YR 4/6				
		Bt	12-24	1 m sbk / scl	Fr	2.5 YR 4/6				
		Bt	24-44"	1 f sbk / sl	Fr/Vfr	+ mica				

COMMENTS:

LICENSED SOIL SCIENTIST
STEPHEN J. MEYER
STATE OF NORTH CAROLINA

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

15215 Ewart Rd

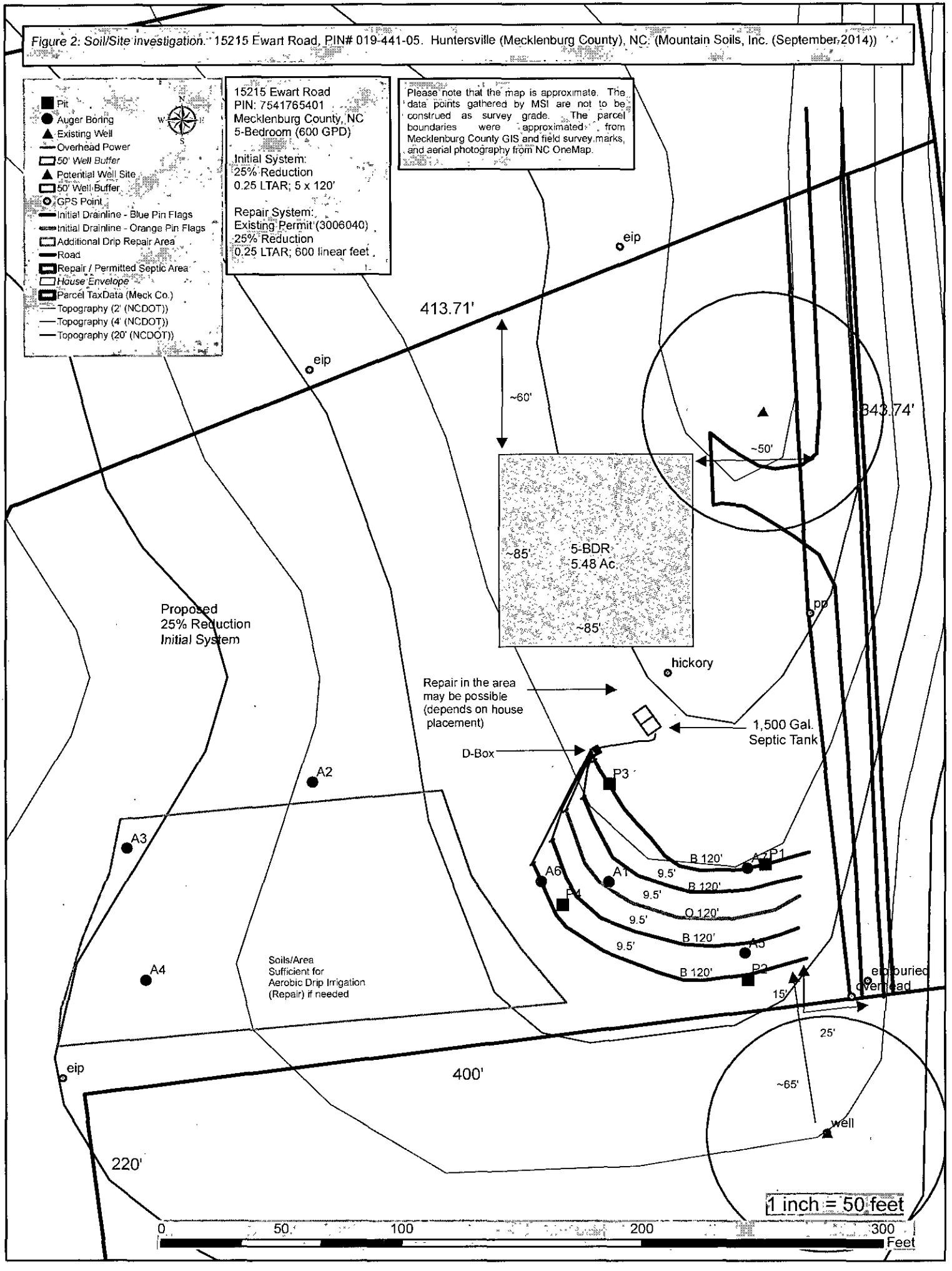
PROPERTY ID #:
DATE OF EVALUATION: 8-8-14
COUNTY: Mecklenburg

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
6	Level Ap	0-7	1fgr /sl	Fr	7.5YR 4/4				IV
	Bt	7-12	1msbk /scl	Fr	7.5YR 5/6	42"		—	0.3
	Bt	12-19	2msbk/sc	Fi (sl pl)	5YR 5/6				
	Bt	19-42"	2msbk /sc	Fi (sl pl)	5YR 5/4 +brown 10YR 6/6				
7	Ap	0-6	1fgr /sl	Fr					IV
	Bt	6-17	2msbk /c	Fi (sl pl)	2.5YR 4/6	>45			
	Bt	17-38	2msbk/cl	Fr	10R 4/6 +pm			—	0.3
	Bt/Bt	38-45	1msbk /scl	Fr	5YR 5/6 +pm		1:fg>dcmax		

COMMENTS:

LICENSED SOIL SCIENTIST
STEVEN J. MELIN
STATE OF NORTH CAROLINA

Figure 2: Soil/Site investigation. 15215 Ewart Road, PIN# 019-441-05. Huntersville (Mecklenburg County), NC. (Mountain Soils, Inc. (September 2014))



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 #: **30007010** GWS File #: **4337B** Tax Parcel #: **019-441-05**

- 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):** 9/10/2019

Type of Installation: Residential - Modified Plot Plan Lot Number: 0

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 5 # Occupants: 10

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Distribution Box		

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

Repair System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	30	Depth of Media (in):	12	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: Kim Garrett Owner/Legal Agent: _____
Print Name

Signature: Kim Garrett, REHS Signature: _____

Date Issued: 9/10/2014

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 #: **30007010** GWS File #: **4337B**

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- 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.
- Upon completion of the project the system designer shall provide Groundwater & Wastewater Services with a letter certifying that the system was installed in accordance with the approved design.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 15 feet from any foundation drain.

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: Kim Garrett

Signature: Kim Garrett, REHS

Date Issued: 9/10/2014

Owner/Legal Agent: _____
Print Name

Signature: _____

S

FEE: 0.00
DATE:5/5/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 4337B

PERMIT NUMBER: 30007010

PARCEL NUMBER: 01944105

JOB LOCATION INFORMATION

ADDRESS: 15215 EWART RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: Scott Long

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 9/10/2014

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30007010, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

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

Septic System Pre-Construction Meeting Checklist

File # 43378 App # 6040 Tax Parcel # 019-441-05

Property Owner: Scott Long

Job Location Address: _____

City: Huntersville State: NC Zip Code: _____

1. Does System design match facility, flow & wastewater characteristics?

   ☑ YES ☐ NO

   Comments: _____

2. Is there sufficient available space for the septic systems initial and repair areas?

   ☑ YES ☐ NO

   Comments: _____

3. Can the septic system be installed per the permit conditions and drawing on file?

   ☑ YES ☐ NO

   Comments: _____

* If "NO" is checked for any of the above the existing permit may need to be revoked.

Permission is hereby given to ☐ *install* ☐ *alter* ☐ *repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval.* **System shall not be installed while soils are in wet condition.**

Bradley W. Hallman — Authorized Agent

4/6/15 — Date

_____
Others Present

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

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 43373 Permit #: 6040 Tax Parcel #: 019-441-05

Property Owner: Scott Long

Job Location Address: 15215 Ewart Rd.

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 4/6/15 Contractor Name: Dellinger Septic

Permitted Design Flow: 600 GPD Liquid Capacity of Dosing Tank: NA gallons

Liquid Capacity of Septic Tank: 1500 gallons Manufacture Dellinger Effluent Pump Model: NA

Drainfield Installation ☐ N/A

Trench Depth: 18-24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 600 feet

# of Lines: 5 @ 120 feet

Depth of Media: 12" inches (Type) III g

Depth of Cover: 12"+ inches

Distribution Device: D-Box equal

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 12' feet

Distance from Property Line: 28' feet

Distance from Water Supply Source: 101' feet

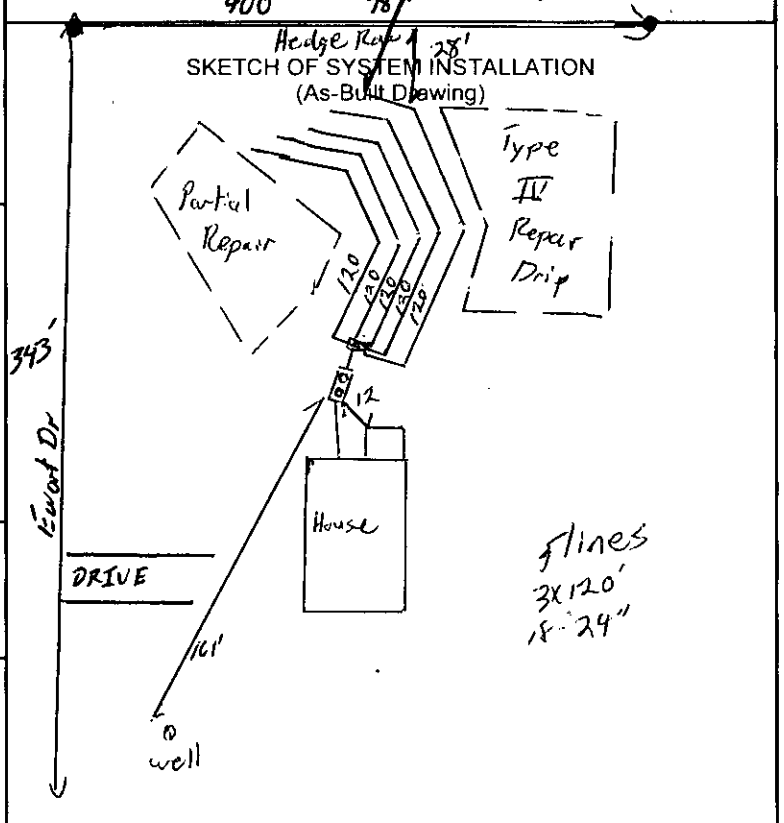
5TB-338 - 1500gal

Inspection Dates

Tank(s) Inspected: 4/6/15

Excavation Inspected: 4/6/15

Pump & Controls Inspected: NA



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☒ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: III g Arc 36 / G / NA / NA

DENR Authorized Agent: Bradley W. Hallman Signature: _____

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

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 43378 Permit #: 6040 Tax Parcel #019-441-05

Property Owner: 15215 Ewart Rd

Job Location Address: Scaffton

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☒ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: Bradley W. Hallman Date: 4/6/15

Signature:

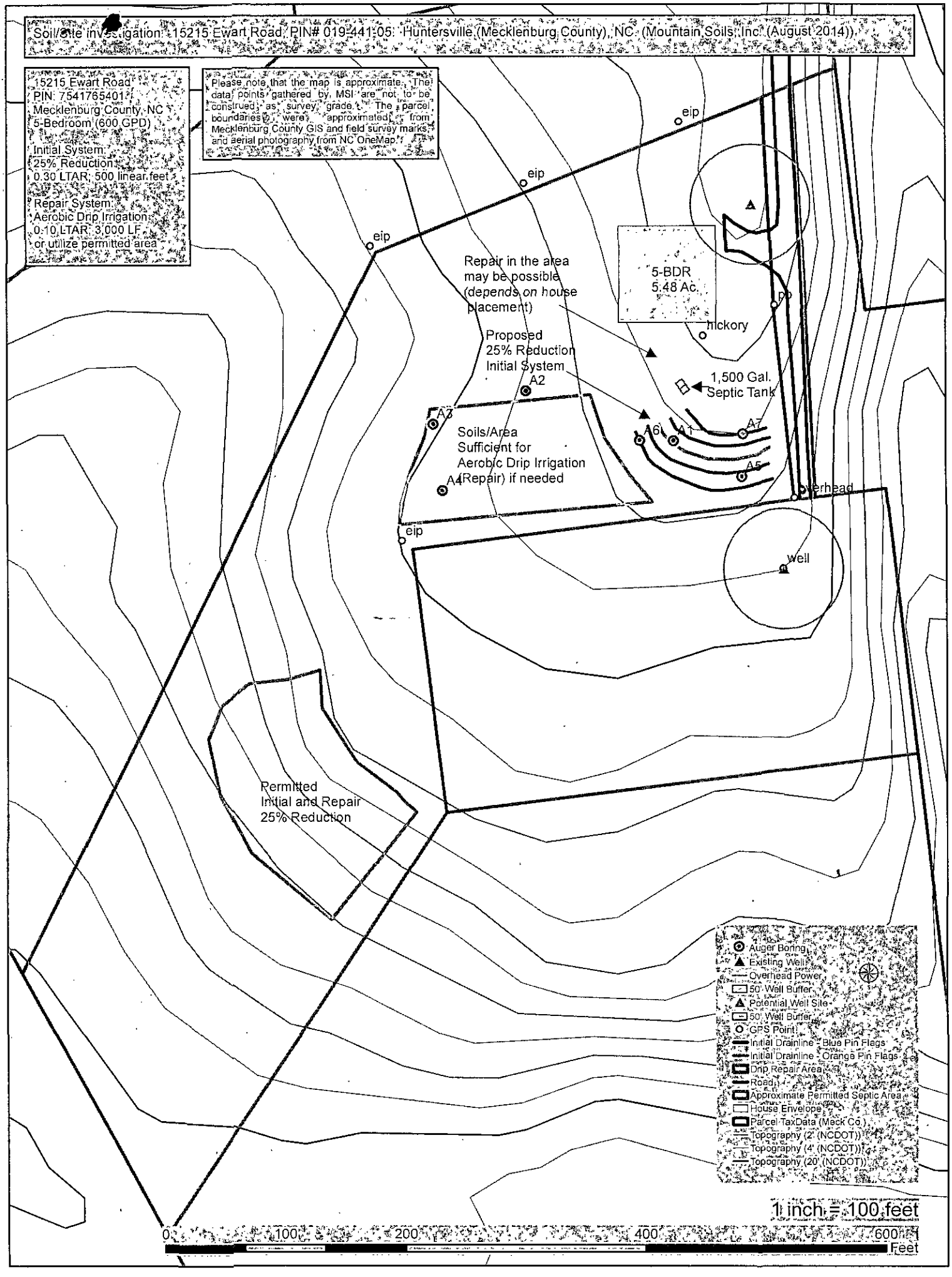
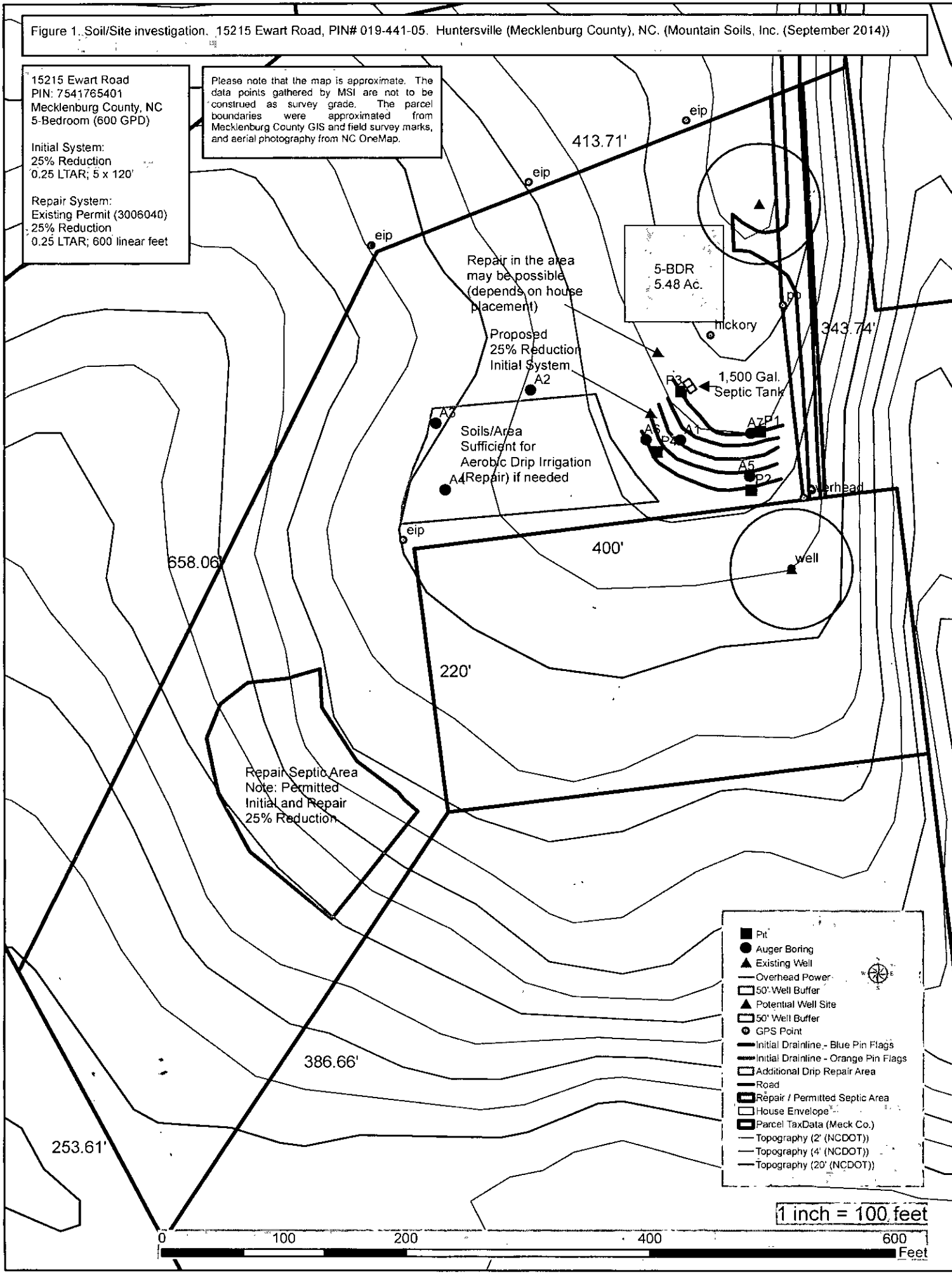

Soil/Site Investigation: 15215 Ewart Road, PIN# 019-441-05: Huntersville (Mecklenburg County), NC (Mountain Soils, Inc. (August 2014))
15215 Ewart Road
PIN: 7541765401
Mecklenburg County, NC
5-Bedroom (600 GPD)
Initial System:
25% Reduction
0.30 LTAR; 500 linear feet
Repair System:
Aerobic Drip Irrigation
0.10 LTAR; 3,000 LF
or utilize permitted area
Please note that the map is approximate. The data points gathered by MSI are not to be construed as survey grade. The parcel boundaries were approximated from Mecklenburg County GIS and field survey marks and aerial photography from NC OneMap.
eip
eip
eip
Repair in the area may be possible (depends on house placement)
5-BDR
5.48 Ac.
po
hickory
Proposed
25% Reduction
Initial System
A2
1,500 Gal.
Septic Tank
A3
A6
A1
A7
A5
Soils/Area
Sufficient for
Aerobic Drip Irrigation
A4 (Repair) if needed
overhead
eip
well
Permitted
Initial and Repair
25% Reduction
Auger Boring
Existing Well
Overhead Power
50' Well Buffer
Potential Well Site
50' Well Buffer
GPS Point
Initial Drainline - Blue Pin Flags
Initial Drainline - Orange Pin Flags
Dnp Repair Area
Road
Approximate Permitted Septic Area
House Envelope
Parcel TaxData (Meck Co.)
Topography (2' (NCDOT))
Topography (4' (NCDOT))
Topography (20' (NCDOT))
1 inch = 100 feet
0
100
200
400
600
Feet

Figure 1. Soil/Site investigation. 15215 Ewart Road, PIN# 019-441-05. Huntersville (Mecklenburg County), NC. (Mountain Soils, Inc. (September 2014))



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/05/13	**Amount:**	200.00
Receipt #:	83091	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: X40503
Contractor: FAMILY CONSTRUCTION & REMDL
Attn:
Address: 15804 TRENTON PLACE RD
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 15215 EWART RD		1	200.00	200.00

Outstanding Balances

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/05/13	**Amount:**	200.00
Receipt #:	83090	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: X40503
Contractor: FAMILY CONSTRUCTION & REMDL
Attn:
Address: 15804 TRENTON PLACE RD,
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 15215 EWART RD		1	200.00	200.00

Outstanding Balances

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

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 214 Charlotte, NC 28202
Phone: (704) 336-5100 Fax: (704) 336-6394

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30007010 GWS File #: 4337B Tax Parcel # 019-441-05

- 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):** 9/10/2019

Type of Installation: Residential - Modified Plot Plan Lot Number: 0

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 5 # Occupants: 10

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Distribution Box		

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

Repair System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	30	Depth of Media (in):	12	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: Kim Garrett Owner/Legal Agent: Steven J. Medlin (Mountain Sol. Is, Fac)

Signature: Kim Garrett (affix) Signature: Steven J. Medlin

Date Issued: 9/10/2014 Print Name

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 #: 30007010 GWS File #: 4337B

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- 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.
- Upon completion of the project the system designer shall provide Groundwater & Wastewater Services with a letter certifying that the system was installed in accordance with the approved design.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 15 feet from any foundation drain.

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:

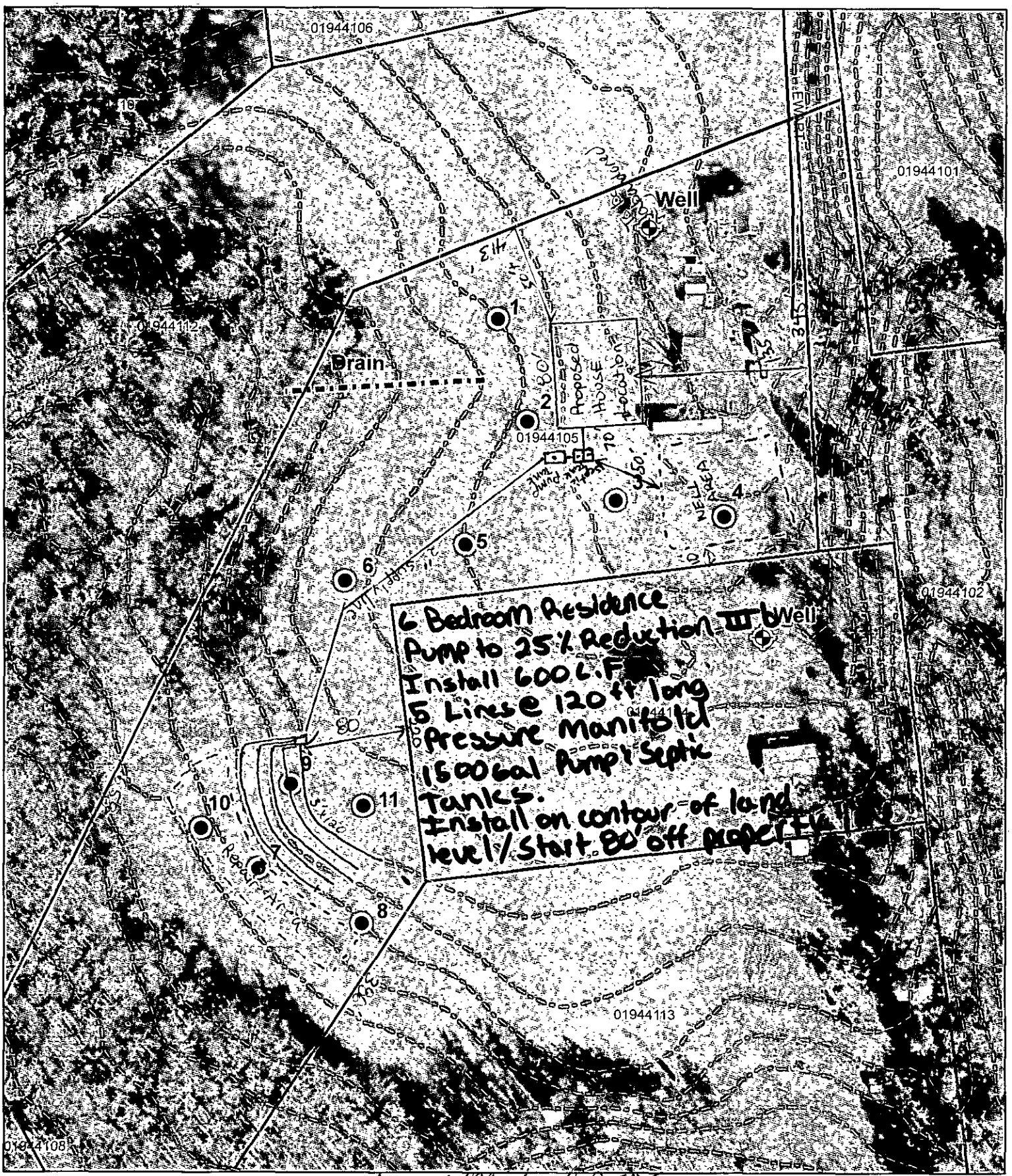
- *No work shall be conducted on the septic system until an INSTALLATION APPROVAL* is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT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

OFNR Authorized Agent: Kim Garrett Owner/(Legal Agent) Steven J. Melin (Mountain Soils, Inc)

Signature: [signature] Signature: [signature]

Date Issued: 9/10/2014

SOIL EVALUATION LOCATIONS FOR
PARCEL #: 019-441-05
WAPSPS APPLICATION #: 6040



Jeremy Mitchell REAS ROBERT E. McGivern, JR

Map Created By: Jacob Presley
Map Created On: 03/04/2013

● Auger Boring Locations

0 50 100 Feet

4337B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App # 7010

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: 01944105
STREET ADDRESS: 15215 Ewart Road
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME: n/a
LOT #: n/a LOT SIZE (acres): 5.48
TOWNSHIP:

○ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

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: 10
FOUNDATION TYPE:

○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
◉ CRAWL SPACE ○ BASEMENT 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 chamber - quick 4

8A. RANK: ____ 1 ____ ____ ____

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? _____ ☑ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☑ N/A

12. PROPERTY OWNER:

NAME: Scott Long
ADDRESS: 5023 Chestnut Knoll Ln
CITY: Charlotte
STATE: NC ZIP: 28269
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Steve Melin, LSS (Mountain Soils, Inc.)
ADDRESS: 15 Lone Coyote Ridge
CITY: Fletcher
STATE: NC ZIP: 28732
WORK PHONE: (828) 551-9903
MOBILE PHONE: (828) 551-9903
FAX: _____
E-MAIL: sjmelin@earthlink.net

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

Revised on: 12/15/10

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.

sjm (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.

_____ (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. A PROPOSED PLOT PLAN is required to be submitted with each application.

[signature], LSS (Mountain Soils, Inc) 8/13/14

Property Owner's or Owner's Legal Representative Signature — Date

---

OFFICE USE ONLY

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

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

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

APPLICATION PROCESSED BY: lwa

GWS FILE NUMBER ASSIGNED: 4337B

APPLICATION ID NUMBER ASSIGNED: 7010

COMMENTS:

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

Revised on: 12/15/10

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/20/14	**Amount:**	100.00
Receipt #:	90525	**Tendered:**	100.00
Check / Auth #:	CHECK 2450	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: FAMILY CONSTRUCTION & REMODE
Attn: DBA 6:48 RENOVATIONS
Address: 15804 TRENTON PLACE RD
Address:
City/State/Zip: HUNTERSVLLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0704	Change in Plot Plan 15215 EWART RD		1	100.00	100.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
277.40		270.00	205.00	1,904.65	

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

Sheet: 1 of 2
Property ID: 019-441-05
Lot #: NA
File #: 4337B
AppID: 7010

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Scott Long
Address: 5023 Chestnut Knoll Ln, Charlotte, NC 28269
Proposed Facility: 5BR Home
Design Flow (.1949): 600 GPD
Location of Site: 15215 Ewart Rd, Huntersville, NC 28078
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Steve Melin, LSS
Date Evaluated: 9/3/2014
Property Size: 5.48 ac
Property Recorded: Unknown

PROFILE #	SOIL MORPHOLOGY 1941				PROFILE FACTORS[b]						
	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit #A	LS 4%	0 - 5	gr SL	FR SEXP	>47"	47	NA	NA	3 and 4 chroma mottles 20"+	PS IV 0.25	34"
		5 - 20	mmsbk C	FI SEXP							
		20 - 33	wmsbk SC	FI SEXP							
		33 - 47	wfsbk SCL	FR SEXP							
Pit #B	LS 4%	0 - 7	gr SL	FR SEXP	2 chroma @ 37"	50	NA	NA	3 and 4 chroma mottles 18"+	PS IV 0.25	24"
		7 - 18	mmsbk C	FI SEXP							
		18 - 28	wfsbk SC	FI SEXP							
		28 - 50	wfsbk SCL	FR SEXP							
Pit #C	LS 4%	0 - 6	gr SL	FR SEXP	>50"	50	NA	NA	manganese and yellow brown mottles from 18 - 50"	PS IV 0.25	36"
		6 - 31	mfsbk C	FI SEXP							
		31 - 50	wfsbk CL	FI SEXP							
Pit #D	LS 4%	0 - 8	gr SL	FR SEXP	2 chroma @ 43"	50	NA	NA	manganese and yellow brown mottles from 18 - 50"	PS IV 0.25	30"
		8 - 23	mfsbk C	FI SEXP							
		23 - 50	wfsbk SCL	FI SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III g	III g
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS JP
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Kim Hamett, REHS
Others Present:

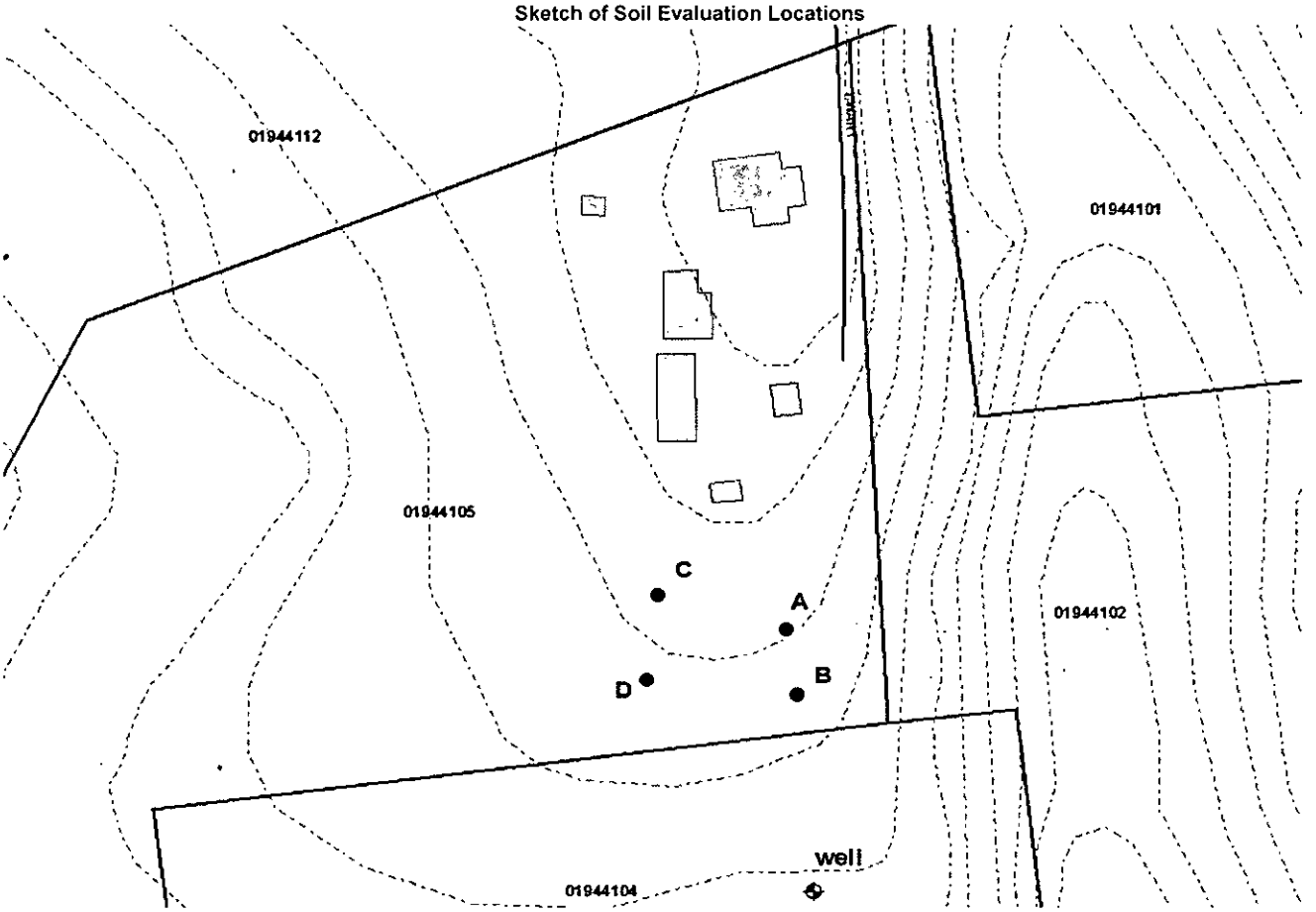
File #: 4337B
AppID: 7010

COMMENTS: This is a supplemental soil evaluation to App ID 6040.
The repair area will be the area noted for the system on the permit for that application.

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		mass-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		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
		SiL-Silt Loam		m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



RHO-5503

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) lwo 2/25/13 Initials/Date

CA ($200.00) lwo 3/5/13 Initials/Date

OP ($200.00) lwo 3/5/13 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 3/5/13

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. ☑ 3/5/13

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

Certified operator contract is on file. ☐ _____

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: 4/6/15

OP issued date: 4/6/15

Review performed by: JAM Date performed: _____

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 #: **30006040** GWS File #: **4337B** Tax Parcel #: **019-441-05**

- 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):** 3/4/2018

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 3000 # Bedrooms: 5 # Occupants: 8

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Pump to Approved **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

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

Repair System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	18	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

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: ROBERT E McGIVERN JR
Print Name

Signature: Jeremy Michael REHS Signature: R E McGivern Jr

Date Issued: 3/4/2013

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
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Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

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Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
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Signature: Jeremy Michael REHS Signature: R E McGivern

Print Name

Date Issued: 3/4/2013

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 #: **30006040** GWS File #: **4337B**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- 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.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.

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:

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DENR Authorized Agent: Jeremy Michael

Signature: Jeremy Michael REHS

Date Issued: 3/4/2013

Owner/Legal Agent: ROBERT E McGlynn, Jr

Print Name

Signature: Robert E McGlynn Jr

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700 N. Tryon St, Suite 211 Charlotte, NC 28202
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- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michael

Signature: Jeremy Michael PREMS

Date Issued: 3/4/2013

Owner/Legal Agent: ROBERT E McGlynn, Jr

Print Name

Signature: Robert E McGlynn Jr

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

Sheet: 1 of 3
Property ID: 019-441-05
Lot #: NA
File #: 4337B
AppID: 6040

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Buyer: Scott Long (Current owner Wells Fargo)
Address: 5023 Chestnut Knoll Ln, Charlotte, NC 28269
Proposed Facility: 5BR Home
Design Flow (.1949): 600 GPD
Location of Site: 17322 Green Hill Rd, Charlotte, NC 28278
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Robert McGivern, GC
Date Evaluated: 3/01/2013
Property Size: 5.48 acres
Property Recorded: NA

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	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #1	LS 6%	0 - 13 13 - 30 30 - 48	wfsbk SCL wfsbk SC wfsbk C	SS NP FR SEXP S P FI SEXP S VP VFI EXP	10 YR 7/1 @ 37"	48	NA	NA		**PS IV 0.225**	**16" Must Bring In Cover**
Boring #2	LS 6%	0 - 12 12 - 24 24 - 36	wfsbk SCL wfsbk C wfsbk C	SS SP FR SEXP S P FI SEXP S VP VFI EXP	10 YR 7/1 @ 26"	36	NA	NA	(Possible Drip)	**US**	**NA**
Boring #3	LS 4%	0 - 10 10 - 39	wfsbk SCL wfsbk SC	SS SP FR SEXP S P FI SEXP	10 YR 7/1 @ 27"	39	NA	NA	Common Manganese from 10 - 39"	**PS IV 0.225**	**14" Must Bring In Cover**
Boring #4									See Pit #B description		
Boring #5	HS 2%	0 - 10 10 - 35	wfsbk SCL wfsbk SC	S SP FR SEXP S P FI SEXP	10 YR 7/1 @ 26"	35	NA	NA	Common Manganese from 10 - 35"	**PS IV 0.225**	**14" Must Bring In Cover**
Boring #6	LS 4%	0 - 10 10 - 32	wfsbk SCL wfsbk SC	S SP FR SEXP S SP FI SEXP	10 YR 7/1 @ 23"	32	NA	NA	(Possible Drip) Common Manganese from 10 - 32"	**US**	**NA**

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIb	IIIb
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: Jeremy Michael
Others Present:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

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	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #7	LS 9%	0 - 5	wfsbk SCL	SS SP FR SEXP	>48"	48	NA	PS	Saprolite inclusions from 18 - 48" common mica	**PS IV 0.25**	**33"**
		5 - 32	mfsbk C	S P FI SEXP							
		32 - 48	wfsbk CL	SS SP FR SEXP							
Boring #8	LS 9%	0 - 9	wfsbk SCL	SS SP FR SEXP	>50"	50	NA	PS	Saprolite inclusions from 9 - 50" common mica	**PS IV 0.25**	**35"**
		9 - 40	wfsbk C	S P FR SEXP							
		40 - 50	wfsbk CL	SS SP FR SEXP							
Boring #9	LS 9%	0 - 6	wfsbk SCL	SS SP FR SEXP	>50"	50	NA	PS	Saprolite inclusions from 16 - 50" common mica	**PS IV 0.25**	**35"**
		6 - 42	wfsbk C	S P FR SEXP							
		42 - 50	wfsbk CL	SS SP FR SEXP							
Boring #10	LS 9%	0 - 10	wfsbk SCL	SS SP FR SEXP	10 YR 7/1 @ 33"	38	NA	NA	Saprolite inclusions from 10 - 33" common mica	**PS IV 0.25**	**18"**
		10 - 33	wfsbk C	S P FI SEXP							
		33 - 38	wfsbk C	VS VP VFI EXP							
Boring #11	HS 3%	0 - 6	wfsbk SCL	SS SP FR SEXP	10 YR 7/1 @ 13"	20	NA	NA		**US**	**NA**
		6 - 20	wfsbk SC	S P FI SEXP							

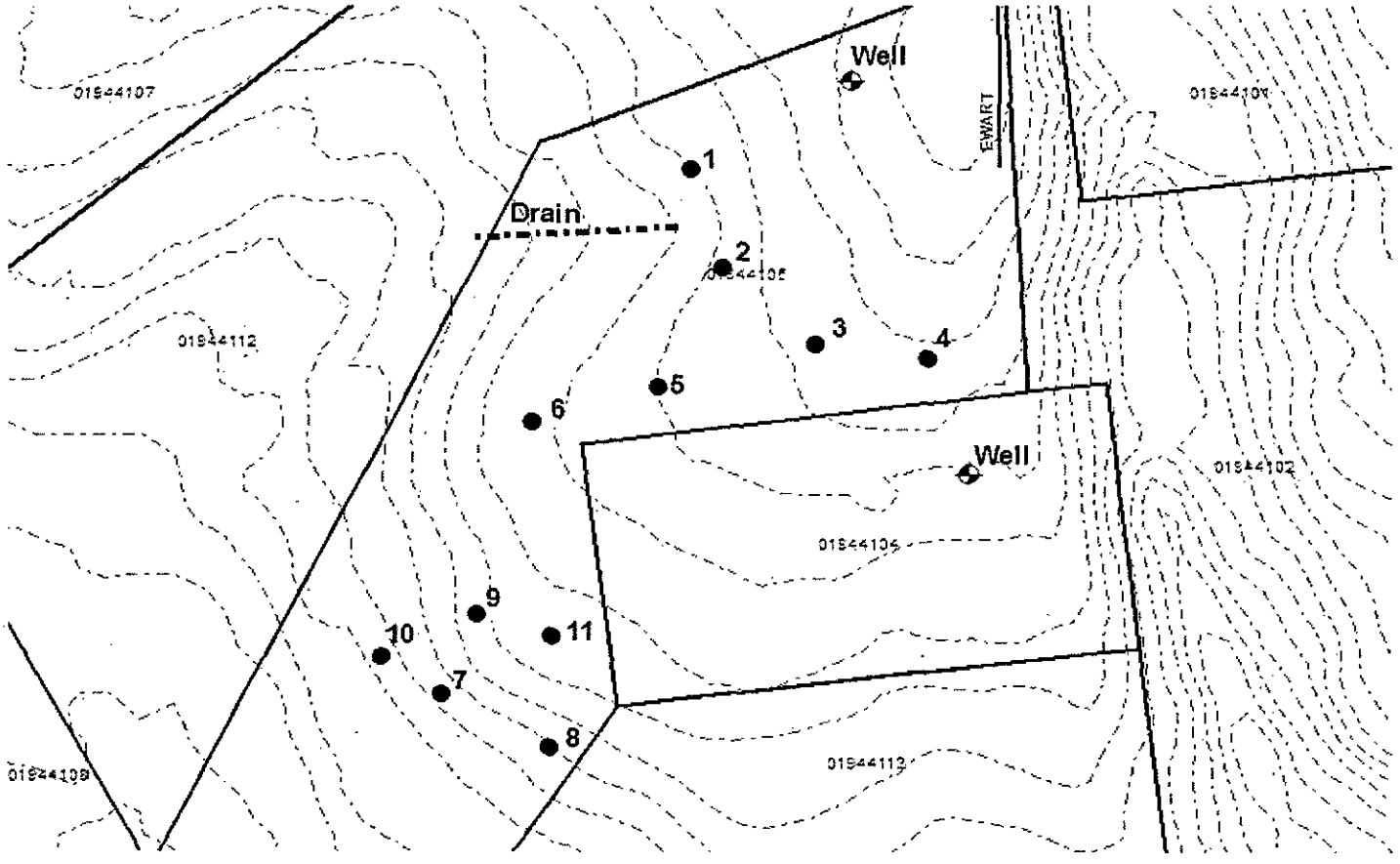
COMMENTS:

Site LTAR of 0.25 gpd/sq ft is only applicable for using area within borings 7 thru 10.

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		mass-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		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				m-moderate
	IV	SC-Sandy Clay	0.4 - 0.1	s-strong
		SiC-Silty Clay		f-fine
		C-Clay		m-medium
				c-coarse

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



4337B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

OSP#6040

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: 01944105
STREET ADDRESS: 15215 Ewart Road
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME: Neighborhood B901
LOT #: P2 M44-317 LOT SIZE (acres): 5.48
TOWNSHIP:
○ MECKLENBURG ○ CORNELIUS ● HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. **BUILDING INFORMATION:**
BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER
HEATED SQUARE FOOTAGE: 3,000
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS: 8
FOUNDATION TYPE:
○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
● CRAWL SPACE ○ BASEMENT 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:** ____ ____ ____ ____ ____

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?** 1/1/30 ☑ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** 3/15/13 ☐ N/A

12. **PROPERTY OWNER:**
NAME: Buyer: Scott Long (Current owner Wells Fargo)
ADDRESS: 5023 Chestnut Knoll Lane
CITY: Charlotte
STATE: NC ZIP: 28269
WORK PHONE: _____
MOBILE PHONE: (704) 756-1735
FAX: (704) 749-2596
E-MAIL: scott@epicnotion.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME: Robert McGivern, General Contractor
ADDRESS: 15804 Trenton Place Road
CITY: Huntersville
STATE: NC1 ZIP: 28078
WORK PHONE: (704) 575-1591
MOBILE PHONE: (704) 575-1591
FAX: (704) 749-8590
E-MAIL: bob@648renovations.com

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

Revised on: 12/15/10

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.

_____ (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.

_____ (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. A PROPOSED PLOT PLAN is required to be submitted with each application.

_____ 2.24.13

Property Owner's or Owner's Legal Representative Signature X — Date

---

OFFICE USE ONLY

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

SEPTIC APPLICATION FEE RECEIVED: $ 250 DATE FEE RECEIVED: _____

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

APPLICATION PROCESSED BY: lwo

GWS FILE NUMBER ASSIGNED: 4337B

APPLICATION ID NUMBER ASSIGNED: 6040

COMMENTS:

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

Revised on: 12/15/10

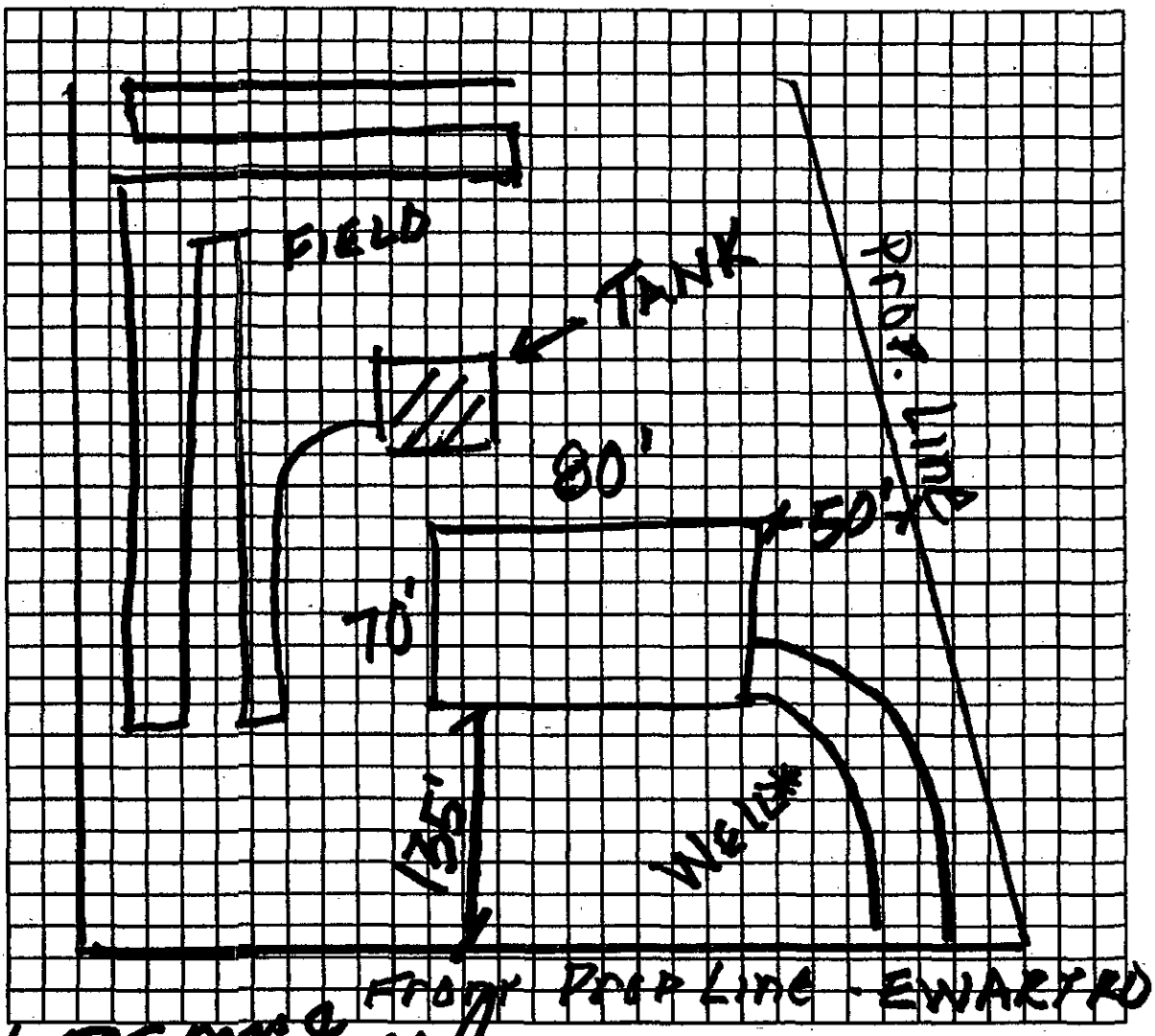
File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15215 Ewart Road Huntersville, NC Tax Parcel #: 01944105

Subdivision Name: Unincorporated Area Lot #: M44-317



Property Owner's or Owner's Legal Representative Signature

2/22/13
Date

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

Revised on: 12/15/10

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	02/25/13	**Amount:**	250.00
Receipt #:	82376	**Tendered:**	250.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: X40503
Contractor: FAMILY CONSTRUCTION & REMDL
Attn:
Address: 15804 TRENTON PLACE RD
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 15215 EWART RD		1	250.00	250.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
684.92	622.19				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/05/13	**Amount:**	200.00
Receipt #:	83091	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: X40503
Contractor: FAMILY CONSTRUCTION & REMDL
Attn:
Address: 15804 TRENTON PLACE RD
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 15215 EWART RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
400.00	71.87				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/05/13	**Amount:**	200.00
Receipt #:	83090	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

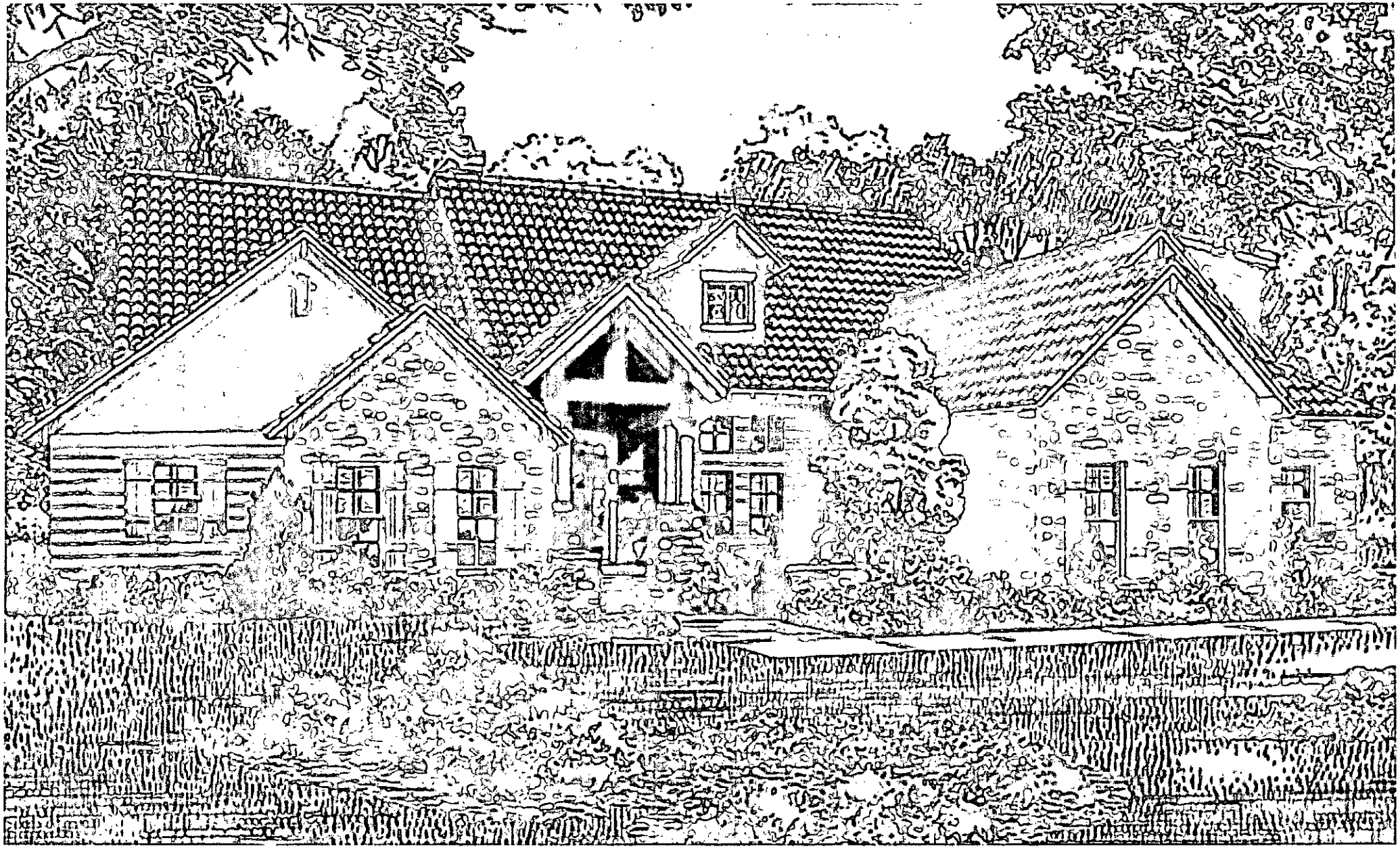
Account #: X40503
Contractor: FAMILY CONSTRUCTION & REMDL
Attn:
Address: 15804 TRENTON PLACE RD
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

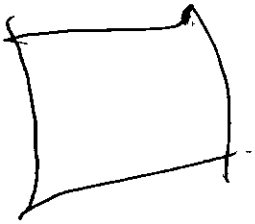
Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 15215 EWART RD		1	200.00	200.00

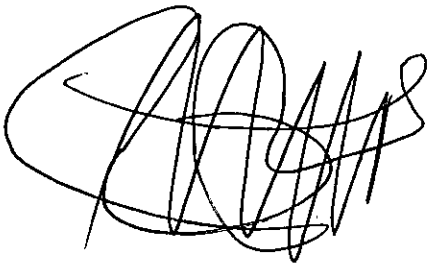
Outstanding Balances

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

JEREMY MICHAEL
704-622-5032









Live Support ONLINE

SAVE Calculate Cost to Build Modify Plan BUY !

eplans

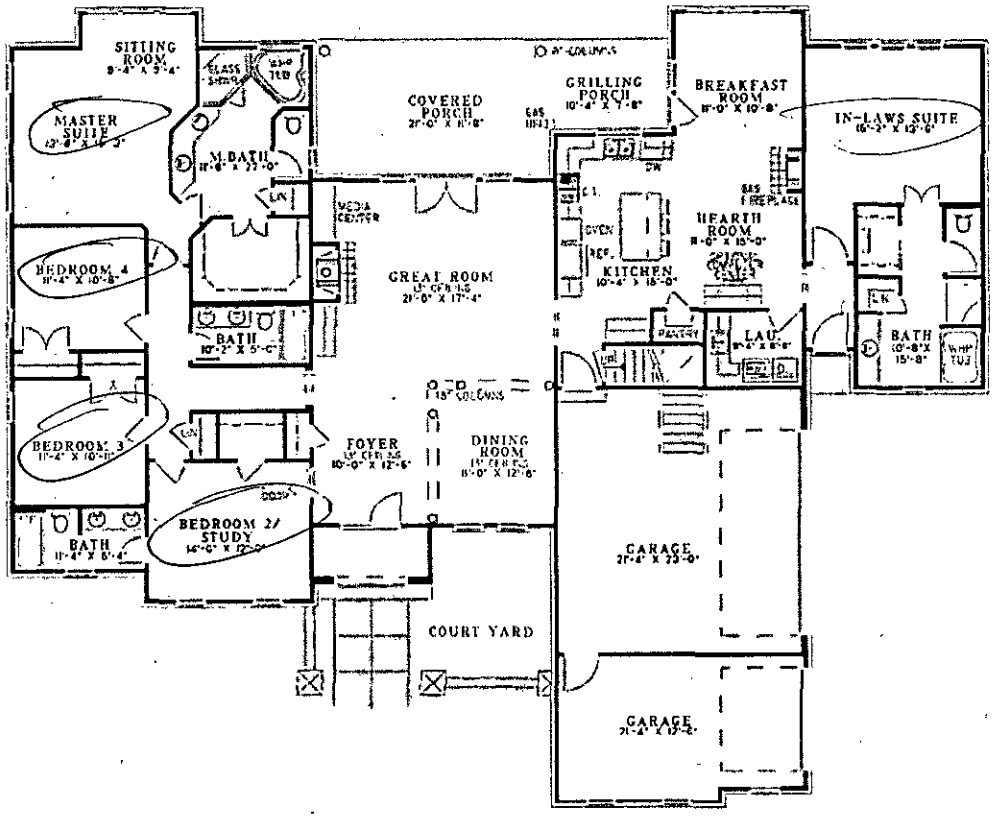
Blueprints Plan Detail Plan Add-Ons Modify Plan Testimonials What's in the Plan?

Blueprints (1)

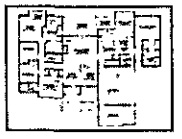
PRINT FLOORPLANS (1)

LEVEL 1

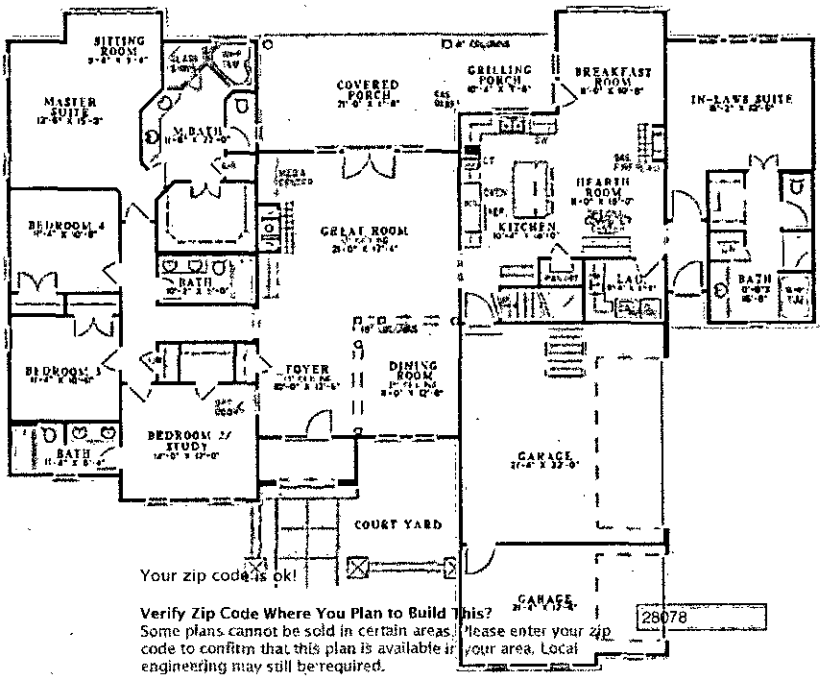
view expanded size



Level 1



Join the discussion

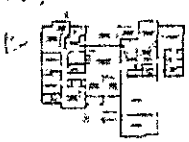


Your zip code is ok!

Verify Zip Code Where You Plan to Build This? Some plans cannot be sold in certain areas. Please enter your zip code to confirm that this plan is available in your area. Local engineering may still be required.

28078







$50 OFF our hottest custom options

LEARN MORE

Customize this plan

Photographed homes may have been modified from original design. Square footage may or may not include basement area. Please check *floor plans carefully.*

Like 0 More From This Designer>

2

PRIMARY STYLE:	European
BEDROOMS:	5
BATHS:	4
STORIES:	2
GARAGE BAYS:	3
LIVING AREA:	3,003 sq. ft.
WIDTH/DEPTH:	*84' 10" x 69' 4"*

Calculate Cost to Build | Modify Plan | SAVE

About this plan

Keywords: European , 5 Bedroom , 2 Story

Primary Style	European	Bedrooms:	5
		Baths:	4
Living Area:	3,003 sq.ft.	Width:	84' 10"
Foundation:	Crawlspace, Slab	Depth:	69' 4"
		Stories:	2
Styles:	European	Garage Bays:	3

Special Features

- Breakfast Nook
- Built-in Cabinets, Shelves, Desks
- Columned Front Entry
- Columns-Interior
- Courtyard
- Fireplace
- Formal Dining Room
- Great/Gathering Room
- Guest/In-Law Suite
- Hearth/Keeping Room

Show Full List (15)

Select and Purchase Your Plan

Modifiable Plans

Reproducible Master More Information	$1,560	I plan to make changes to this design. 80% of people do! Save time and money in the long run.
PDF More Information	$1,560	
CAD - AutoCAD More Information	$2,400	

Unmodifiable Plans

8 Copy Construction Set More Information	$1,020	I plan to build this design as is.
4 Copy Construction Set More Information	$830	
1 Copy Study Set More Information	$700	I need to research this more before investing in a set of plans.

in or Register

My Profile · Recently Viewed Saved Plans Saved Searches Share Print Search...



15205 EWART RD

01944105

1/4/2008

duponbj

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

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

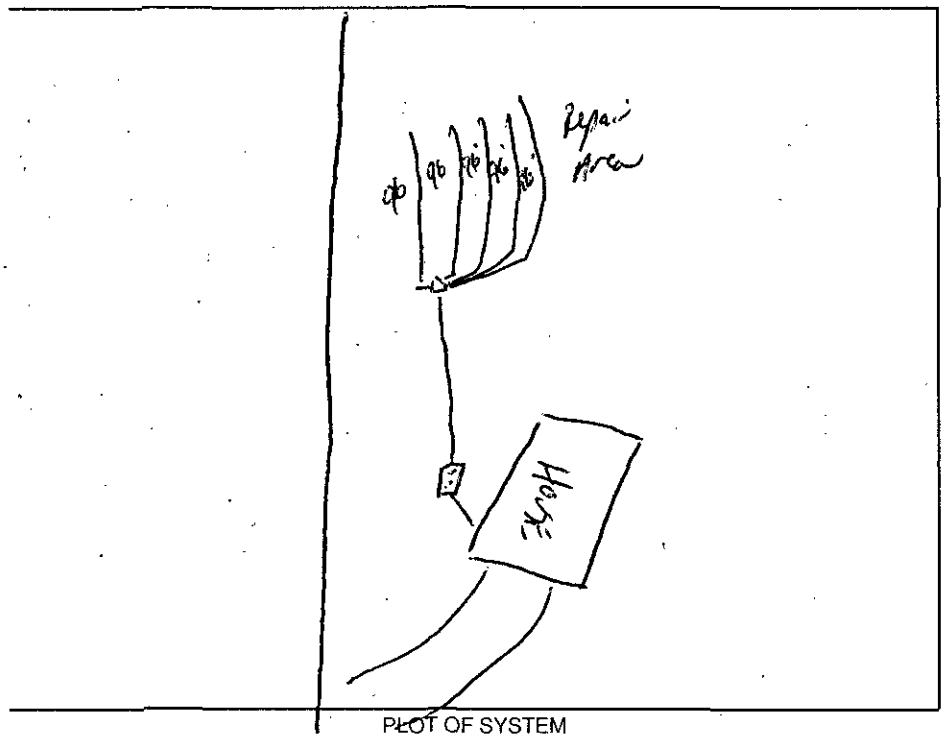
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4337B DATE: 7/30/00

TC: 019 441 05 ☐ L

SERIAL Nº 18477

Permission is hereby given to ✓ Install or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 5/19/00. All work shall be completed on or before 8/30/00, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.



PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank NA gallons

Tank Construction PLC

Trench Depth 24"

Absorption and/or Nitrification Lines:

Trench Width 36" feet

Trench Walls Scored and Porous yes

Total Line Length 480' feet

Number of Lines 5(96')

Depth of Stone 12" inches

Distance from House 5' feet

Distance from Property Line 10' feet

Distance from Well >100' feet
50 min

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER Victor Sloop

LOCATION OF PROPERTY 15205 Ewart Rd

Comments: 1500ST, 5 lines x 96'long x 3'wd x 12"Stone
Keep the septic system >50' from any wells

Phillip A Walter R.S.
Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 417
CHARLOTTE, NC 28202
PHONE (704) 336-5702

FILE: Q 2571 E DATE: 11/21/22

TO: [illegible]

SERIAL No 15477

Permission is hereby given to ___ Install or Construct ___ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 11/21/22. All work shall be completed on or before 12/21/22 after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

Liquid Capacity of Septic Tank 1250 gallons

Liquid Capacity of Dosing Tank N/A gallons

Tank Construction Poly

Trench Depth 24"

Absorption and/or Nitrification Lines:

Trench Width N/A feet

Trench Walls Scored and Porous N/A

Total Line Length 150' feet

Number of Lines 2 (3)

Depth of Stone 12" inches

Distance from House 5' feet

Distance from Property Line 10' feet

Distance from Well 50' feet

PLOT OF SYSTEM

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER [illegible]

LOCATION OF PROPERTY [illegible]

Comments: [illegible]

Environmental Health Specialist

WHITE - HEALTH DEPARTMENT'S COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT'S COPY

FEE: 200.00
DATE: 5/19/00 Fax Call

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

[ ] CRT

TYPE APPLICATION: X NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

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

FILE #: 45373

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: VICTOR SLOOP

TAX/PARCEL NUMBER: D19-441-05 PT

STREET ADDRESS: EWART RD.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TOWNSHIP (CHECK ONE):

__ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
✓ 6 HUNTERSVILLE
__ 7 MINT HILL

CLOSING DATE_____

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
__ HOUSE (H)
✓ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

HEATED SQUARE FOOTAGE: 1792

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 2

FOUNDATION FOR RESIDENCE

__ WITHOUT BASEMENT ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):
__ COMMUNITY (C)
__ MUNICIPAL (M)
✓ PRIVATE WELL (P)
__ SHARED WELL (S)
__ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES __ YES ✓ NO
EXISTING WASTEWATER SYSTEMS __ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS __ YES ✓ NO
WELL, SPRINGS OR WATERLINES __ YES ✓ NO
DESIGNATED WETLANDS __ YES ✓ NO

NEW OWNER

PROPERTY OWNER:

NAME: SLOOP (LAST) HERBERT (FIRST) T (MI) (FATHER)

ADDRESS:

CITY: HUNTERSVILLE STATE: NC ZIP: 28078

DAYTIME PHONE: ( ) 704-875-6652

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: SLOOP (LAST) VICTOR (FIRST) S (MI) (SON)

DAYTIME PHONE: ( ) 704-596-4017 (WORK)
875-2595 (HOME)

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 50's ?

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 agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Victor Steven Sloop DATE: 05-19-00

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

FEE: 300 AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION
DATE: 6/22/00 VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

DATE: 6/21/2000 PERMIT NO: 4337B
15205 PARCEL NO: 019 441 05 PO
JOB LOCATION ADDRESS: 15433 Ewart Rd
PROPERTY OWNER: Victor Sloop
BUILDING CONTRACTOR: —
SUBDIVISION NAME: —
AUTHORIZATION ISSUED BY: Philo S. Walker DATE: _____
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 4337B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: _____

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

X Victor S Sloop 05/21/00
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

MECKLENBURG COUNTY HEALTH DEPARTMENT
Environmental Health Fees

Requestor (please print): VICTOR SLOOF Phone #: Date Requested: 6-22-00 Date Filled:

Account Name: Cash Charge Account No.:

I certify that I am authorized to charge this account for this service:

Signature: Printed Name: Date:

T.C.	Qty	Description	Unit Cost	Total Cost
0701		Improvement Permit Application - Residential	$ 200.00	
0735		Improvement Permit Application - Commercial	$ 400.00	
0702		Optional Site Evaluations	$ 100.00	
0703	1	Installation and Final Approval	$ 150.00	150-
0704		Change in Plot Plan	$ 100.00	
0705		MH Exc/Add/Repl without System Modification	$ 100.00	
0706		MH Exc/Add/Repl with System Modification	$ 300.00	
0707		Site Consultation Visit	$ 100.00	
0734	1	Authorization for Wastewater System Construction	$ 150.00	150-
0708		Realty Closing - Conventional	$ 85.00	
0709		Realty Closing - FHA with water	$ 135.00	
0710		Additional Trips	$ 65.00	
0711		Well Water Analysis-Bacteriological with regular parameters	$ 50.00	
0712		Well Water Analysis -Nitrates and Nitrites	$ 15.00	
0714		Well Water Analysis - Organic Analysis	$ 200.00	
0715		Admin. Fee - Field Activity Letter	$ 25.00	
0718		Residential Pool Permit	$ 50.00	
0719		Public Pool Permit - operating	$ 240.00	
0720		Seasonal Pool Permit - operating	$ 120.00	
0736		Pool Late Fee	$ 120.00	
0733		Permit to Construct a Public Pool	$ 200.00	
0721		Home Day Care Evaluation and Permit	$ 70.00	
0722		Home Day Care Evaluation and Annual Fee	$ 40.00	
0723		Eval and Report Non-Permit Facility	$ 50.00	
0724		Private Pool Testing	$ 15.00	
0731		Garbage Hauler Permit - (1-9 vehicles)	$ 30.00	
0736		Garbage Hauler Permit - (each over 9)	$ 20.00	
0725		Document Copies	$ 0.05	

Payment received by: Date: Total: 300-

15133 EWART Rd.

019-44-04 2.02 acres Ivy 4337B

4/2000

White-AUDIT Canary-CUSTOMER Pink-DIVISION

DEPARTMENT OF ENVIRONMENT, HEALTH AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet: _____

Property ID: PO 019-441-05

Lot #: _____

File #: 43373

#1 #2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Herbert T. Moore APPLICANT: Victor L. Moore

ADDRESS: ~~15205~~ 15215 Everett Road, Hamlet, NC DATE EVALUATED: 6-16-00

PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949) 360gpd PROPERTY SIZE: .5 acre

LOCATION OF SITE: Everett Road PROPERTY RECORDED: _____

WATER SUPPLY: ☒Private ☐Public ☐~~Well~~ ☐Spring ☐Other _____

EVALUATION METHOD: ☐Augur Boring ☐~~Pit~~ ☐Cut

TYPE OF WASTEWATER: ☐~~Sewage~~ ☐Industrial Process ☐Mixed

PROFILE #	Slopes 2-6% .1940 Landscape Position/ Slope %	Horizon Depth (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS &LTAR
1	LS	0-3"	gr/scl	Fr/SEXPl/SS/SP	2.5Y 7/1 @ 23"	36"	N/A	None	US
		3-22"	SAM/~~SC~~ SC	Fi/SEXPl SlP					
		22-36"	M/SC	Fi/SEXPl SlP					
2	LS	0-4"	gr/scl	Fr/SEXPl/SS/SP	7.5Y 7/1 to soil wetness	41"	N/A	None	PS .29 gpd/ft² IV
		4-23"	SAM/SC	Fi/SEXPl SlP					
		23-41"	AAM/SC	Fi/SEX					
3	LS	0-6"	gr/scl	Fr/SEXPl SS/SP	7.5Y 7/1 to soil wetness	33"	N/A	None	US .25 gpd/ft² IV
		6-35"	SAM/SC	Fi/SEXPl SlP					
4	LS	0-3"	gr/scl	Fr/SEXPl SS/SP	7.5Y 7/1 to soil wetness	46"	N/A	None	US .25 gpd/ft² IV
		3-34"	SAM/SC	Fi/SEXPl SlP					
		34-46"	M/SC	Fi/SEXPl SlP					
5	LS	0-2"	gr/scl	Fr/SEXPl/SS/SP	7.5Y 7/1 to soil wetness	36"	N/A	None	PS .275 gpd/ft² IV
		2-36"	SAM/SC	Fi/SEXPl SlP					
6	LS	0-14"	gr/scl	Fr/SEXPl/SS/SP	2.5Y 7/2 @ 16"	33"	N/A	None	US
		14-21"	SAM/SC	Fi/SEXPl SlP					
		21-33"	AAM/C	VFi/Mixed/ US/VP					
7	LS	0-14"	gr/SL	Fr/SEXPl NS/NP	7.5Y 7/1 to soil wetness	46"	N/A	None	US
		14-26"	SAM/SC	Fi/SEXPl SlP					
		26-34"	~~AAM~~ M/C	VFi/Mixed/ US/VP					
		34-46"	M/SC	VFi/Mixed/ US/VP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.25 gpd/ft²	.25 gpd/ft²

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): Unsuitable

EVALUATED BY: W. R. Marlow LSS - 6-20-00

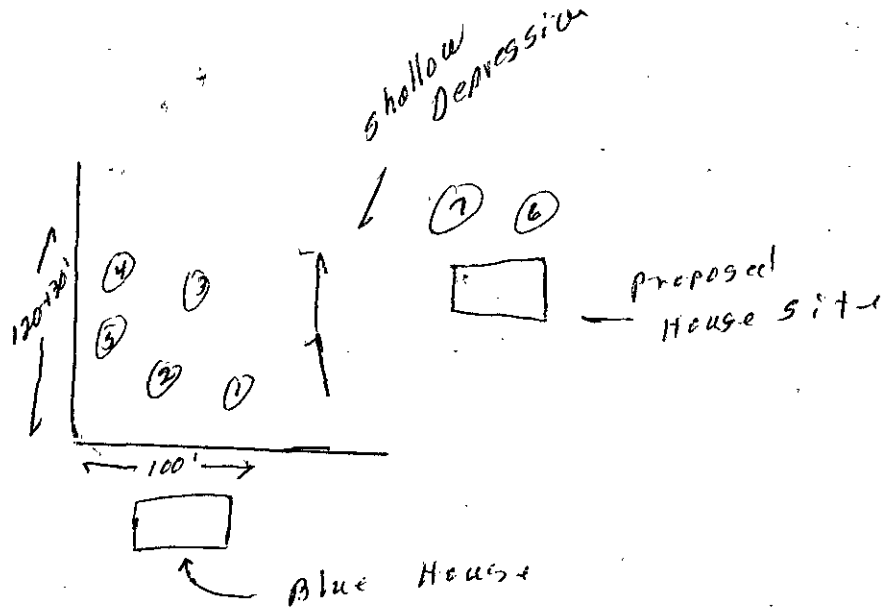
OTHER(S) PRESENT: _____

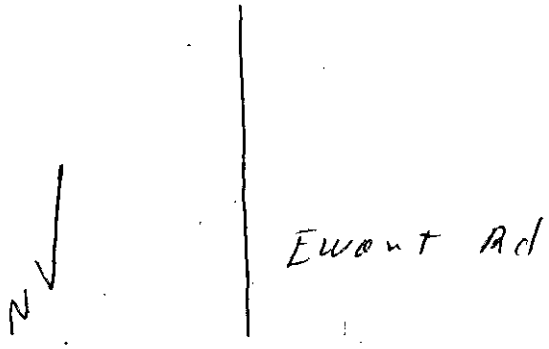
FILE # 43374

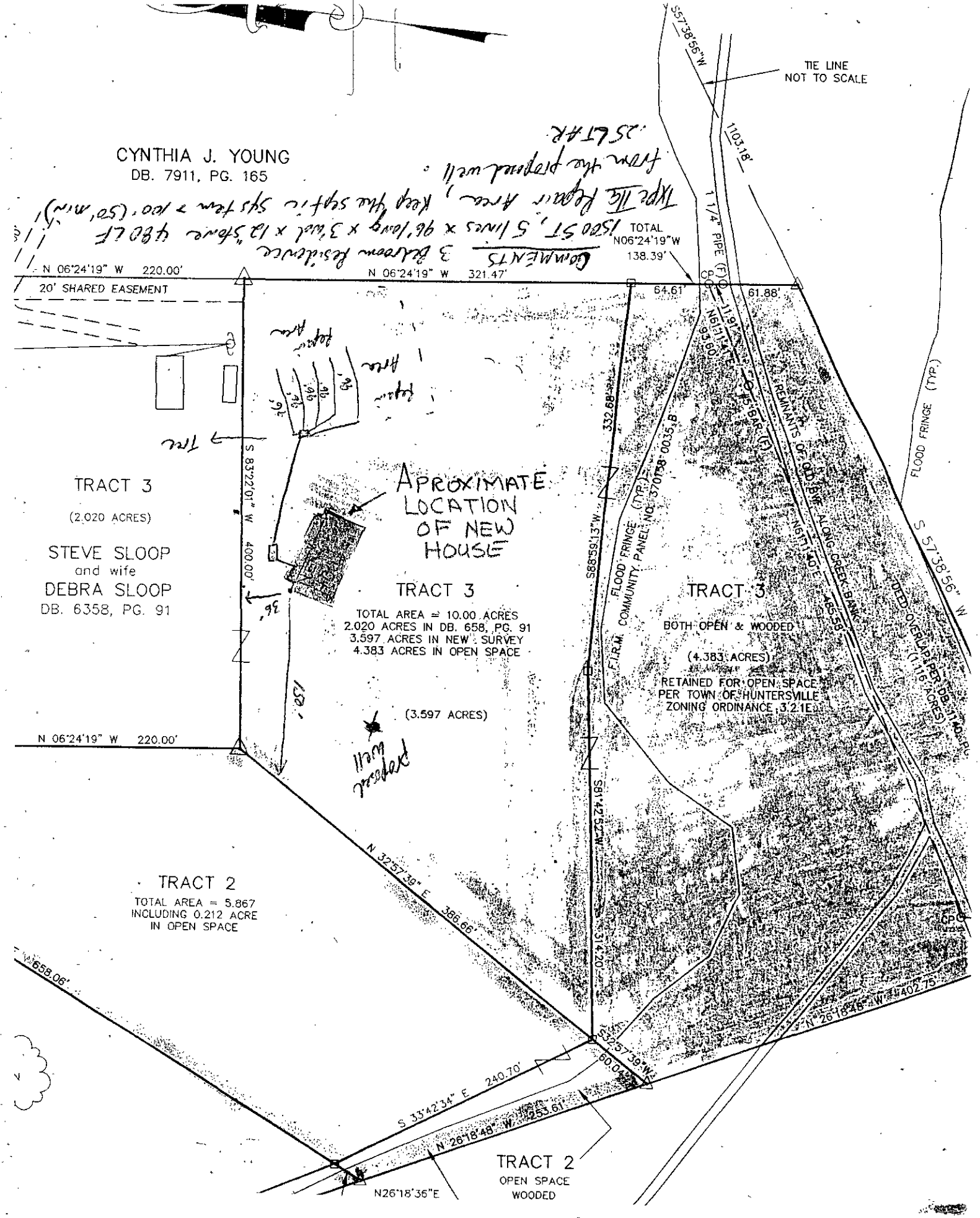
COMMENTS 100% Repair

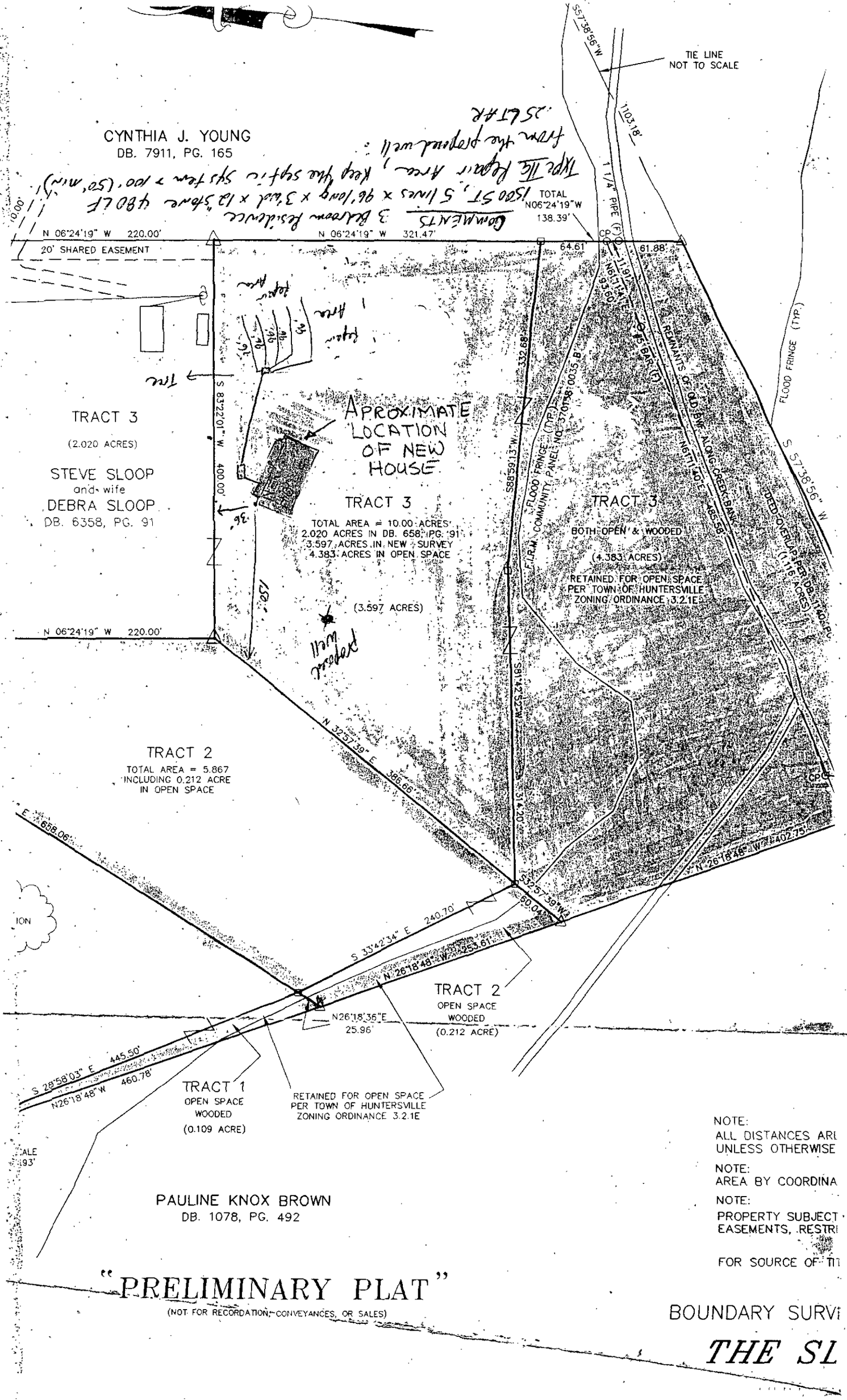
LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR	CONSISTENCE MOIST	CONSISTENCE WET
R-RIDGE	I	S-SAND	1.2-0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLYSTICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3		SP-SLIGHTLYSTICKY
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM			
	IV	SC-SANDY CLAY	0.4-0.1		
		SIC-SILTY CLAY			
		O-ORGANIC			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	






TIE LINE
NOT TO SCALE
S57°38'56"W
1103.18'
CYNTHIA J. YOUNG
DB. 7911, PG. 165
TOTAL
N06°24'19"W
138.39'
1 1/4" PIPE (F)
CP
N 06°24'19" W 220.00'
20' SHARED EASEMENT
N 06°24'19" W 321.47'
64.61'
61.88'
N61°11'14"E
93.60'
FLOOD FRINGE (TYP.)
TRACT 3
(2.020 ACRES)
STEVE SLOOP
and wife
DEBRA SLOOP
DB. 6358, PG. 91
S 83°22'01" W 400.00'
APROXIMATE
LOCATION
OF NEW
HOUSE
TRACT 3
TOTAL AREA = 10.00 ACRES
2.020 ACRES IN DB. 658, PG. 91
3.597 ACRES IN NEW SURVEY
4.383 ACRES IN OPEN SPACE
(3.597 ACRES)
S8859.13"W
332.68'
F.I.R.M. COMMUNITY PANEL NO. 3710458 0035 J
TRACT 3
BOTH OPEN & WOODED
(4.383 ACRES)
RETAINED FOR OPEN SPACE
PER TOWN OF HUNTERSVILLE
ZONING ORDINANCE 3.2.1E
REMNANTS OF OLD B/W ALONG CREEK BANK
N61°11'40"E 465.58'
DEED OF CLAIM (1.116 ACRES)
S 57°38'56" W
N 06°24'19" W 220.00'
N 32°57'39" E 386.66'
S81°42'52"W 314.20'
TRACT 2
TOTAL AREA = 5.867
INCLUDING 0.212 ACRE
IN OPEN SPACE
N 26°18'48" W 402.75'
S32°57'39"W
60.04'
S 33°42'34" E 240.70'
N 26°18'48" W 253.61'
TRACT 2
OPEN SPACE
WOODED
N26°18'36"E


CYNTHIA J. YOUNG
DB. 7911, PG. 165
TIE LINE
NOT TO SCALE
S57°38'56"W
1103.18'
TOTAL
N06°24'19"W
138.39'
1 1/4" PIPE (F)
CP
N 06°24'19" W 220.00'
N 06°24'19" W 321.47'
20' SHARED EASEMENT
64.61'
61.88'
N61°11'40"E 9.60'
11.91' TIE
O.F. BAR (F)
REMNANTS OF OLD B/W ALONG CREEK BANK
FLOOD FRINGE (TYP.)
S 57°38'56" W
332.68'
S88°59'13"W
FLOOD FRINGE (TYP.)
F.I.R.M. COMMUNITY PANEL NO. 3701638 0035 B
N61°11'40"E 485.58'
DEED OVERLAP PER DB. 1140, PG.
(1.16 ACRES)
TRACT 3
(2.020 ACRES)
STEVE SLOOP
and wife
DEBRA SLOOP
DB. 6358, PG. 91
S 83°22'01" W 400.00'
APPROXIMATE LOCATION OF NEW HOUSE
TRACT 3
TOTAL AREA = 10.00 ACRES
2.020 ACRES IN DB. 658, PG. 91
3.597 ACRES IN NEW SURVEY
4.383 ACRES IN OPEN SPACE
(3.597 ACRES)
TRACT 3
BOTH OPEN & WOODED
(4.383 ACRES)
RETAINED FOR OPEN SPACE
PER TOWN OF HUNTERSVILLE
ZONING ORDINANCE 3.2.1E
N 06°24'19" W 220.00'
TRACT 2
TOTAL AREA = 5.867
INCLUDING 0.212 ACRE
IN OPEN SPACE
N 32°57'39" E 386.66'
S81°42'52"W 420.31'
N 26°18'48" W 402.75'
E 658.06'
CP
S 33°42'34" E 240.70'
S 25°57'39"W
60.04'
N 26°18'48" W 253.61'
TRACT 2
OPEN SPACE
WOODED
(0.212 ACRE)
N26°18'36"E
25.96'
S 28°58'03" E 445.50'
N26°18'48"W 460.78'
TRACT 1
OPEN SPACE
WOODED
(0.109 ACRE)
RETAINED FOR OPEN SPACE
PER TOWN OF HUNTERSVILLE
ZONING ORDINANCE 3.2.1E
PAULINE KNOX BROWN
DB. 1078, PG. 492
NOTE:
ALL DISTANCES ARE
UNLESS OTHERWISE
NOTE:
AREA BY COORDINA
NOTE:
PROPERTY SUBJECT
EASEMENTS, RESTRI
FOR SOURCE OF TI
"PRELIMINARY PLAT"
(NOT FOR RECORDATION, CONVEYANCES, OR SALES)
BOUNDARY SURVI
THE SL

FEE: 200.00

DATE: 3/6/2013

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY

GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 4337B

PERMIT NUMBER: 30006040

PARCEL NUMBER: 01944105

JOB LOCATION INFORMATION

ADDRESS: 15215 EWART RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: Scott Long

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 3/4/2013

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30006040, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 3/4/2018