Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 8963B WASPS App #: 6886

Primary ES assigned to project: Kim

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 0.275	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: J. Walker Date performed: 7/10/15

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 ☑ _____

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. ☐ _____

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

Certified operator contract is on file. ☐ _____

8963B

MECKLENBURG COUNTY HEALTH DEPARTMENT App #6886

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: 001115123 011-151-23 PD

STREET ADDRESS: McCord Road

CITY: Huntersville

STATE: NC ZIP: 28078

SUBDIVISION NAME: N/A

LOT #: 4 LOT SIZE (acres): 4.25

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: 6

NUMBER OF OCCUPANTS: 6

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:** 1 3 2 4

9. **DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ◉ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ◉ NO
EXISTING WASTEWATER (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?** 11/10/00 ☐ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** 9/1/14 ☐ N/A

12. **PROPERTY OWNER:**

NAME: Thomas S Cotter
ADDRESS: 12831 Westmoreland Farm Rd.
CITY: Davidson
STATE: NC ZIP: 28036
WORK PHONE:
MOBILE PHONE:
FAX:
E-MAIL:

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

NAME: Mark Haskell
ADDRESS: 14521 Westgreen Drive
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE:
MOBILE PHONE: (704) 743-3248
FAX:
E-MAIL: mark.haskell@haskellshardwareinc.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.

MH (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.

Property Owner's or Owner's Legal Representative Signature

6-10-14
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: 6/13/14

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

APPLICATION PROCESSED BY: lwr

GWS FILE NUMBER ASSIGNED: 8963B

APPLICATION ID NUMBER ASSIGNED: 6886

COMMENTS:

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

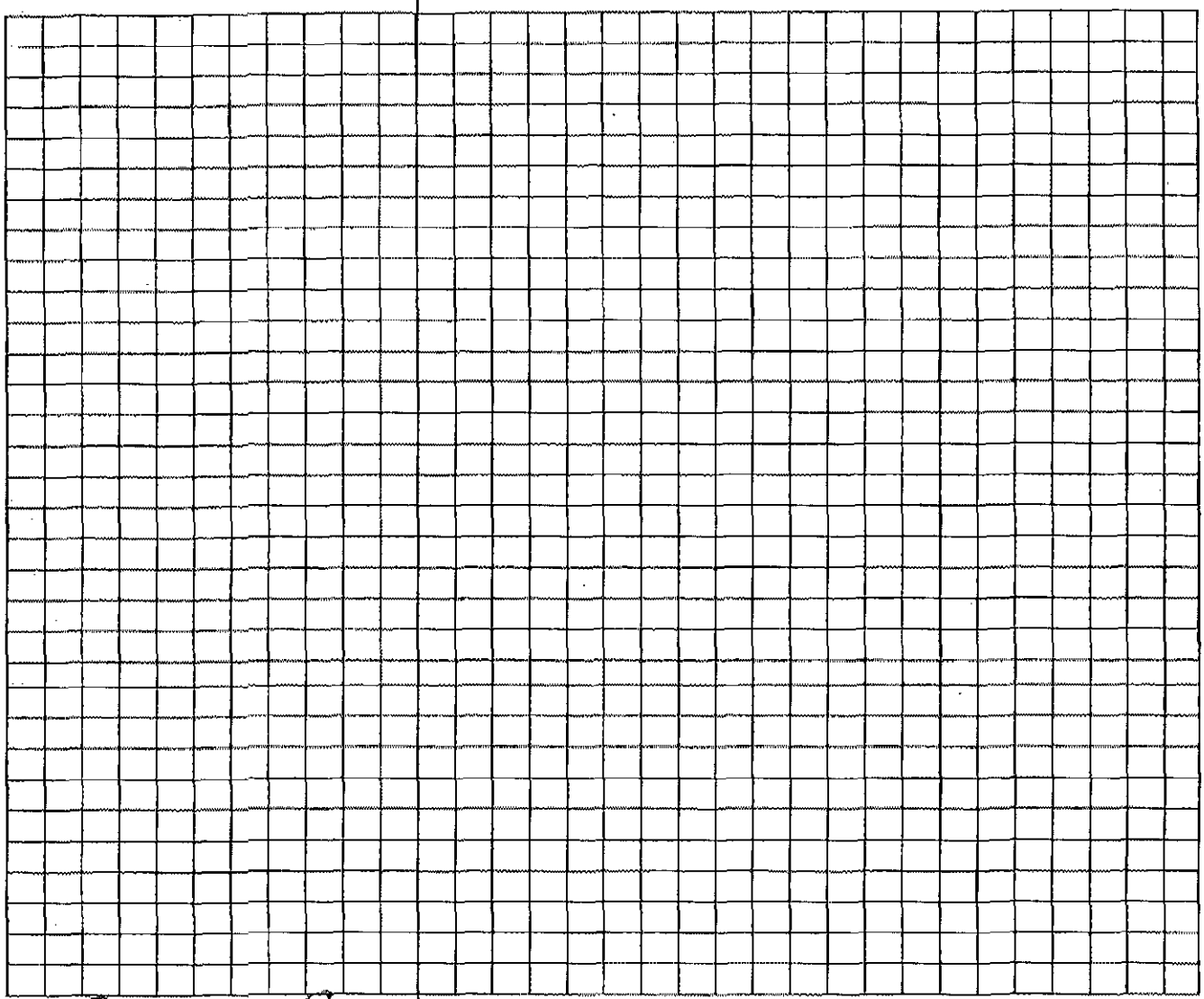
File #: _____

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: McCord Road, Huntersville, NC 28078 Tax Parcel #: 01115123

Subdivision Name: See Attached Lot #: 4



Property Owner's or Owner's Legal Representative Signature

6-10-14
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

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

Sheet: 1 of 2
Property ID: 011-151-23 (Portion of)
Lot #: 4
File #: 8963B
AppID: 6886

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Property Owner: Thomas Cotter
Address: 12831 Westmoreland Farm Rd, Davidson, NC 28036
Proposed Facility: 5 Bedroom House
Design Flow (.1949): 600 GPD
Location of Site: McCord Rd, Huntersville, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Mark Haskill
Date Evaluated: 7/1/2014
Property Size: 4.25 ac
Property Recorded: 2000

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 5%	0 - 10	gr SCL	FR SEXP	>50"	50	NA	NA	yellow brown mottles 25 - 50"	PS IV 0.275	36"
		10 - 25	wfsbk SCL	FR EXP							
		25 - 50	mfsbk C	FI SEXP							
Boring #2	LS 4%	0 - 8	gr SCL	FR SEXP	>50"	50	NA	NA	yellow brown mottles 24 - 50"	PS IV 0.25	36"
		8 - 24	mmsbk C	FI EXP							
		24 - 50	wmsbk C	FI SEXP							
Boring #3	LS 4%	0 - 7	gr SCL	FR SEXP	>50"	50	NA	NA		PS IV 0.275	36"
		7 - 17	wfsbk SCL	FR EXP							
		17 - 42	mfsbk C	FI SEXP							
		42 - 50	wfsbk CL	FR EXP							
Boring #4	LS 6%	0 - 7	gr SCL	FR SEXP	>50"	50	NA	NA	yellow brown mottles 40 - 50"	PS IV 0.275	36"
		7 - 16	wfsbk SCL	FR EXP							
		16 - 50	mfsbk C	FI SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III6	III6
Site LTAR (gpd/sq ft)	0.25	0.25

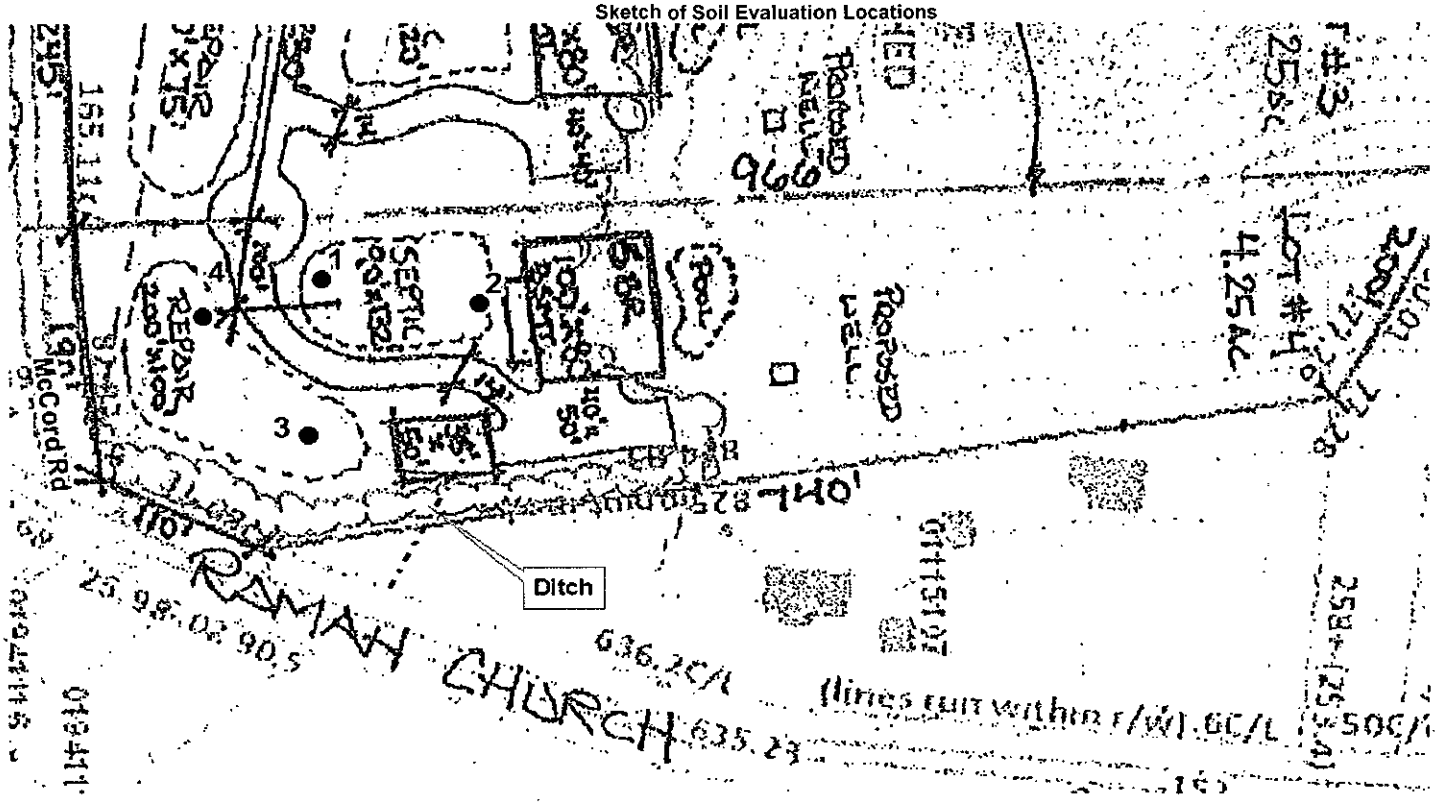
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHSI, LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Kim Barnett, REHS
Others Present:

COMMENTS:

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		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				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



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 #: 30006886 GWS File #: 8963B Tax Parcel #: 011-151-23

- 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):** 9/22/2019

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

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 6 # Occupants: 6

Building Foundation: Basement With Plumbing Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 720 LTAR (gpd/ft^2): .25 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 2160 Total Trench Length (ft): 720

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Pressure Manifold

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

Repair System Specifications:

Design Flow (gpd): 720 LTAR (gpd/ft^2): .25 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 2160 Total Trench Length (ft): 720

Maximum Trench Depth (in): 36 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: Kim Garrett Owner/Legal Agent: Stacey Haskell
Print Name

Signature: Kim Garrett REHS Signature: Stacey M. Haskell

Date Issued: 9/22/2014

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 #: 30006886 GWS File #: 8963B

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.

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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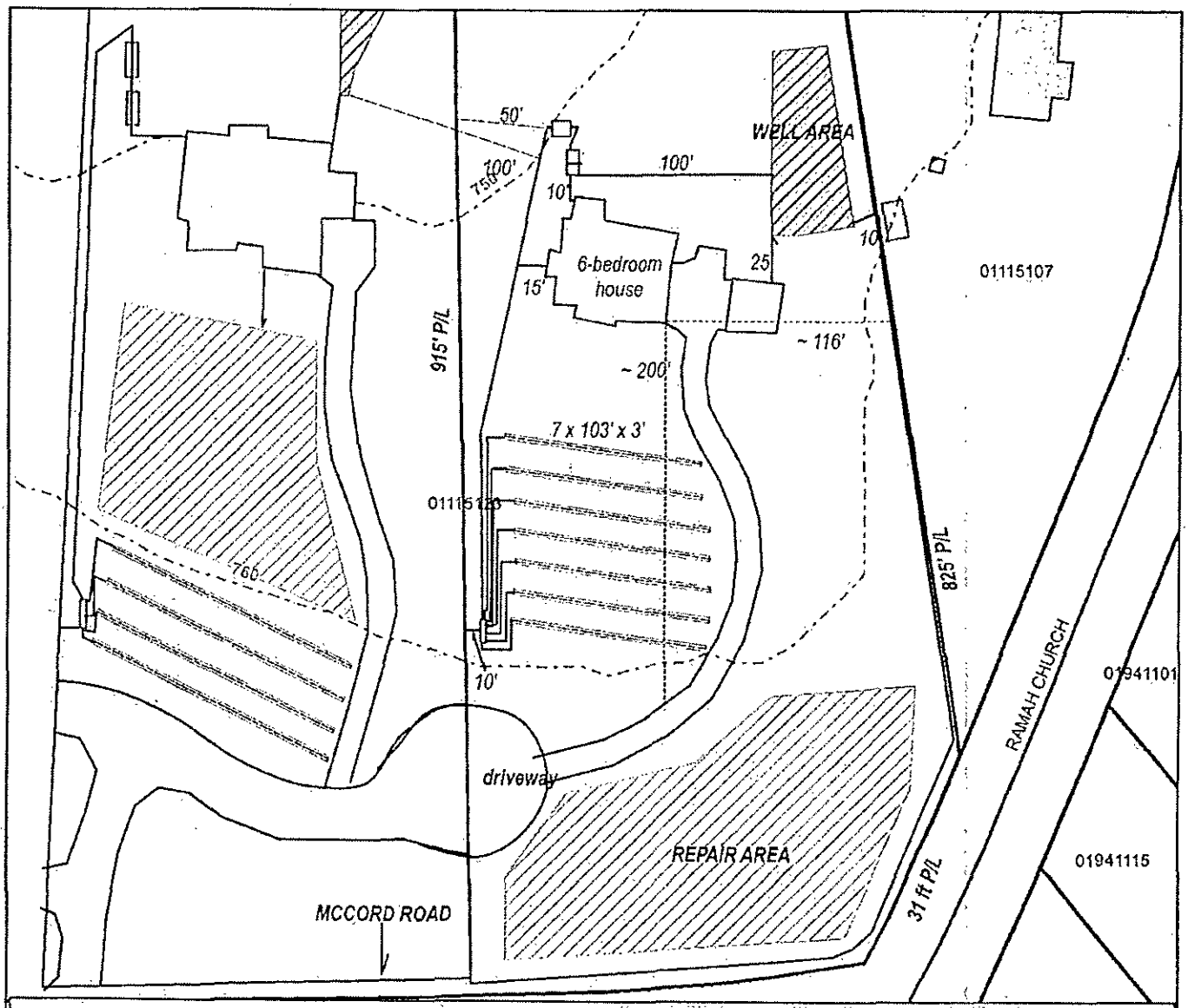
DENR Authorized Agent: Kim Garrett

Signature: Kim Garrett, REHS

Date Issued: 9/22/2014

Owner/Legal Agent: Stacey Haskell
Print Name

Signature:



Mecklenburg County Health Department
Environmental Health Division
Improvement Permit for Residential
ONSITE-WASTEWATER TREATMENT & DISPOSAL

PID # 011-151-23
McCord Road Lot 4
Huntersville, NC 28078

Permit # 30006886
File # 8963 B

Authorized Agent: Kim Yarnell REHS

Owner/Legal Agent:

80 40 0 80 Feet

INSTALLATION NOTES:
720gpd
0.25 LTAR
7x 103 ft x 3 ft (720 TLF) lines to be installed on contour

max trench bottom 36 inches
1500 gallon ST
1500 gallon PT
TYPE IIIb
Pressure manifold

N
W E
S

1 inch = 80 feet

Install according to all NC Rules & Regulations
and maintain the following setbacks:

>100 ft from well (min. 50 ft)
>10 ft from property lines and water lines
>10 ft from building foundation

Garrett, Kimberly

From: Garrett, Kimberly
Sent: Friday, October 10, 2014 9:20 AM
To: 'mark.haskell@hhi-nc.com'
Subject: RE: FW: septic improvement permit

Hi Mark,

In general, we do not recommend grinder pumps for basement plumbing for several reasons: the slurry mixture that is created does not separate the solids/water out as efficiently in the tank and this can lead to the tank filter getting clogged and potential issues in your drain lines. In addition, if the pump fails you may have backup issues in your basement.

If you choose to use a grinder pump for the basement and gravity can be achieved for the 1st and 2nd floors - it is our local policy that the grinder pump will need to be plumbed into the main house plumbing vs being plumped directly into the septic tank. We would also recommend a grinder pump that has an alarm.

The other thing to keep in mind is that if the repair area would have to be used down the road - there is a good chance that a pump tank would have to be set.

The permit can be adjusted down the road after contruction has started and gravity feed has been confirmed.

Sincerely,

Kim Garrett, REHS
Environmental Specialist
Mecklenburg County Health Department
Environmental Health Program
980-721-2054

From: Mark Haskell [mailto:mark.haskell@hhi-nc.com]
Sent: Thursday, October 09, 2014 9:27 PM
To: 'Stacey Haskell'; Garrett, Kimberly
Subject: RE: FW: septic improvement permit

Hi Kim please keep in mind the basement will be the only thing being pumped to the septic. The first and 2nd floor will gravity feed to the septic in the front yard.

Thanks

Mark Haskell - President
Haskell's Hardware Inc.
Cell- 704-743-3248
Office- 704-857-2365
1450 Pinnacle Way dr.
Landis, NC 28088

"The Difficult We Do Today, The Impossible We Do Tomorrow"

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From: Stacey Haskell [mailto:stacey.haskell@corvian.org]
Sent: Tuesday, October 7, 2014 8:22 AM
To: mark.haskell@hhi-nc.com; Kim Garrett
Subject: Re: FW: septic improvement permit

Hi Kim,
Hope you are well! I never see you with the new location!

Please see attached.

Take good care,
Stacey

On Mon, Oct 6, 2014 at 4:56 PM, Mark Haskell <mark.haskell@hhi-nc.com> wrote:

> Please print out so we can get this back.
>
> Thanks
>
> **Mark Haskell - President**
>
> **Haskell's Hardware Inc.**
>
> **Cell- 704-743-3248**
>
> **Office- 704-857-2365**
>
> **1450 Pinnacle Way dr.**
>
> **Landis, NC 28088**
>
> **"The Difficult We Do Today, The Impossible We Do Tomorrow"**

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From: Garrett, Kimberly [mailto:Kimberly.Garrett@mecklenburgcountync.gov]
Sent: Monday, October 6, 2014 1:31 PM
To: mark.haskell@haskellshardwareinc.com
Subject: septic improvement permit

Mark,

Please find attached your improvement permit. Please sign all three pages and either fax (704-336-6894) or email back a signed copy to me for our files. Please let me know if you have any questions or concerns. Thank you!

Sincerely,

Kim Garrett, REHS

Environmental Specialist

Mecklenburg County Health Department

Environmental Health Program

980-721-2054

Stacey Haskell
Executive Director
Corvian Community School
9501 David Taylor Drive
Charlotte, NC 28262
704-717-7550 phone
704-717-7558 fax
www.corvian.org

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 #: **30006886** GWS File #: **8963B** Tax Parcel #: **011-151-23**

- 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):** 9/22/2019

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

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 6 # Occupants: 6

Building Foundation: Basement With Plumbing Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 720 LTAR (gpd/ft^2): .25 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 2160 Total Trench Length (ft): 720

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Pressure Manifold

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

Repair System Specifications:

Design Flow (gpd): 720 LTAR (gpd/ft^2): .25 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 2160 Total Trench Length (ft): 720

Maximum Trench Depth (in): 36 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: Kim Garrett Owner/Legal Agent: _____
Print Name

Signature: Kim Garrett REHS Signature: _____

Date Issued: 9/22/2014

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 #: **30006886** GWS File #: **8963B**

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.

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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- 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.
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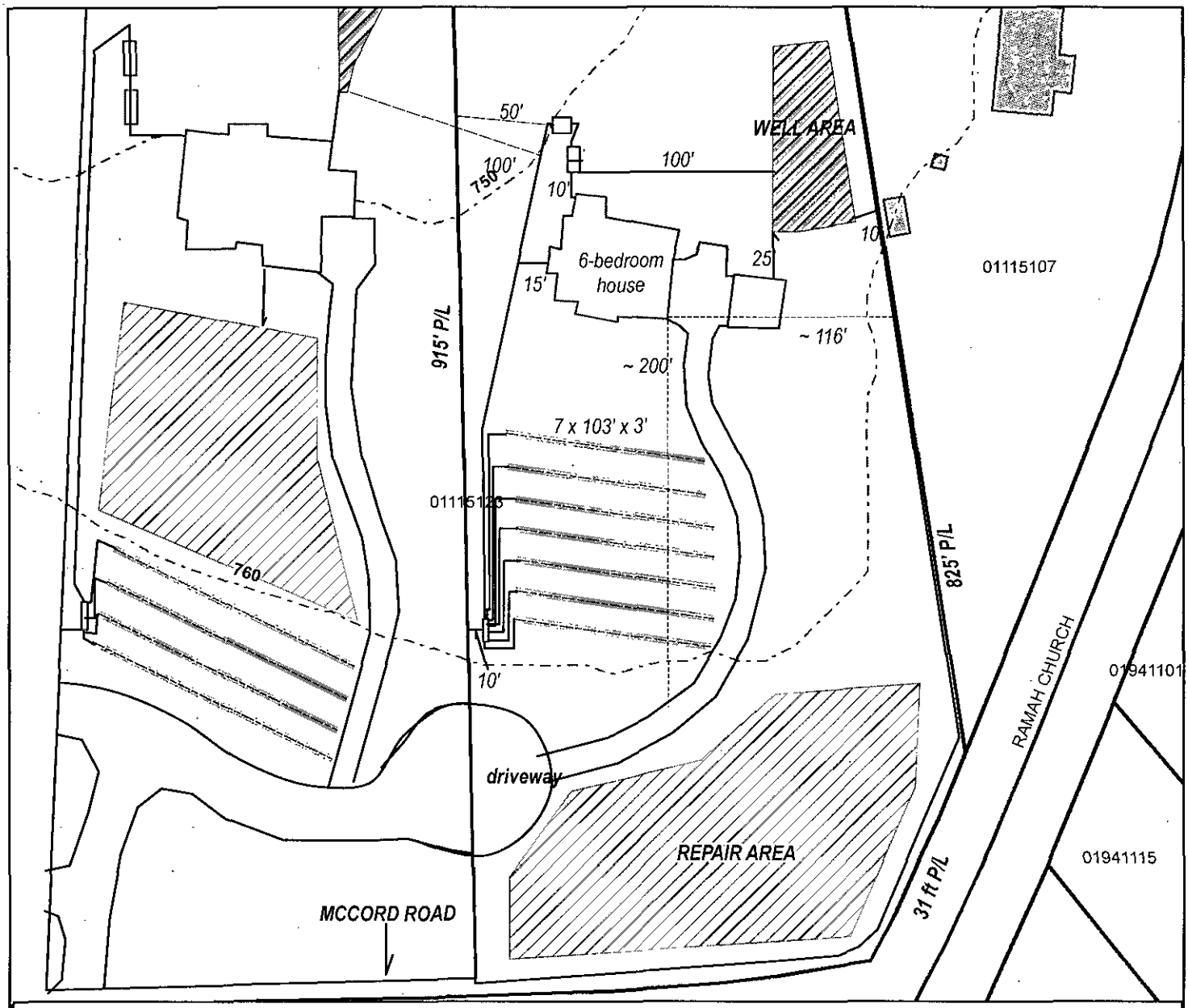
DENR Authorized Agent: Kim Garrett

Signature: Kim Garrett, REHS

Date Issued: 9/22/2014

Owner/Legal Agent: _____
Print Name

Signature: _____



Mecklenburg County Health Department
Environmental Health Division
Improvement Permit for Residential
ONSITE-WASTEWATER TREATMENT & DISPOSAL

PID # 011-151-23
McCord Road Lot 4
Huntersville, NC 28078

Permit # 30006886
File # 8963 B

Authorized Agent: Kim Yarnell REHS

Owner/Legal Agent: _____

80 40 0 80 Feet

INSTALLATION NOTES:
720gpd
0.25 LTAR
7x 103 ft x 3 ft (720 TLF) lines to be installed on contour

max trench bottom 36 inches
1500 gallon ST
1500 gallon PT
TYPE IIIb
Pressure manifold

N
W E
S

1 inch = 80 feet

Install according to all NC Rules & Regulations
and maintain the following setbacks:

>100 ft from well (min. 50 ft)
>10 ft from property lines and water lines
>10 ft from building foundation

S

FEE: 200.00
DATE:7/6/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 8963B

PERMIT NUMBER: 30006886

PARCEL NUMBER: 01115131

JOB LOCATION INFORMATION

ADDRESS: 14041 MCCORD RD

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

ISSUED TO: Thomas S Cotter

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 7/6/2015

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30006886, 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
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/29/15	**Amount:**	200.00
Receipt #:	95231	**Tendered:**	200.00
Check / Auth #:	VISA 190341	**Returned:**	0.00
Received By:	WALKEVA		

Account Information

Account #: 200000
Contractor: HASKELL, STACEY M.
Attn:
Address: 1812 HERITAGE POND DRIVE, #207
Address:
City/State/Zip: CHARLOTTE, NC 28262

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 14041 McCORD ROAD LOT#4		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:	06/29/15	**Amount:**	200.00
Receipt #:	95230	**Tendered:**	200.00
Check / Auth #:	VISA 190341	**Returned:**	0.00
Received By:	WALKEVA		

Account Information

Account #: 200000
Contractor: HASKELL, STACEY M.
Attn:
Address: 1812 HERITAGE POND DRIVE #207
Address:
City/State/Zip: CHARLOTTE, NC 28262

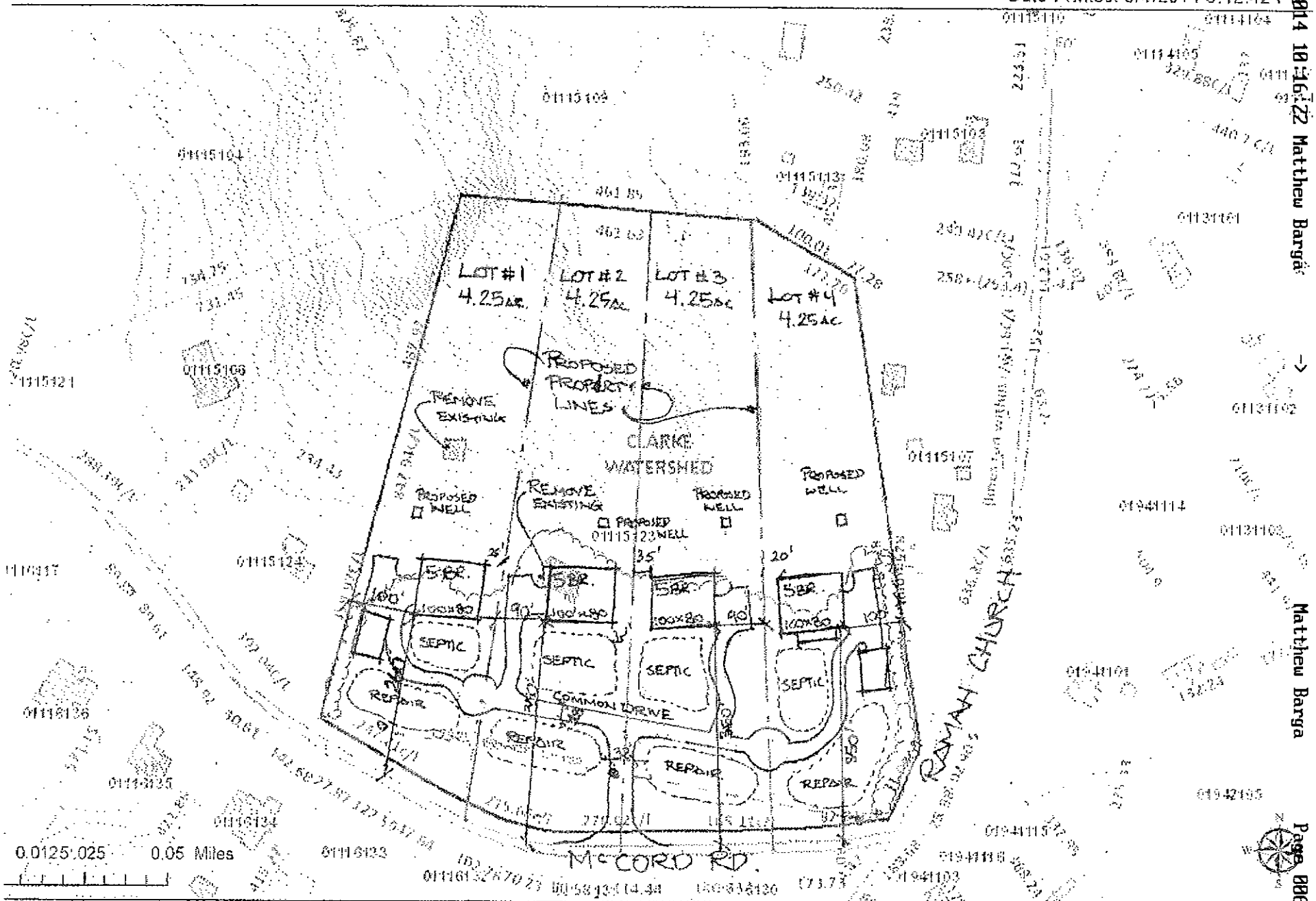
Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit		1	200.00	200.00
14041	MCCORD ROAD. LOT 4 PARCEL 011-151-23				

Outstanding Balances

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

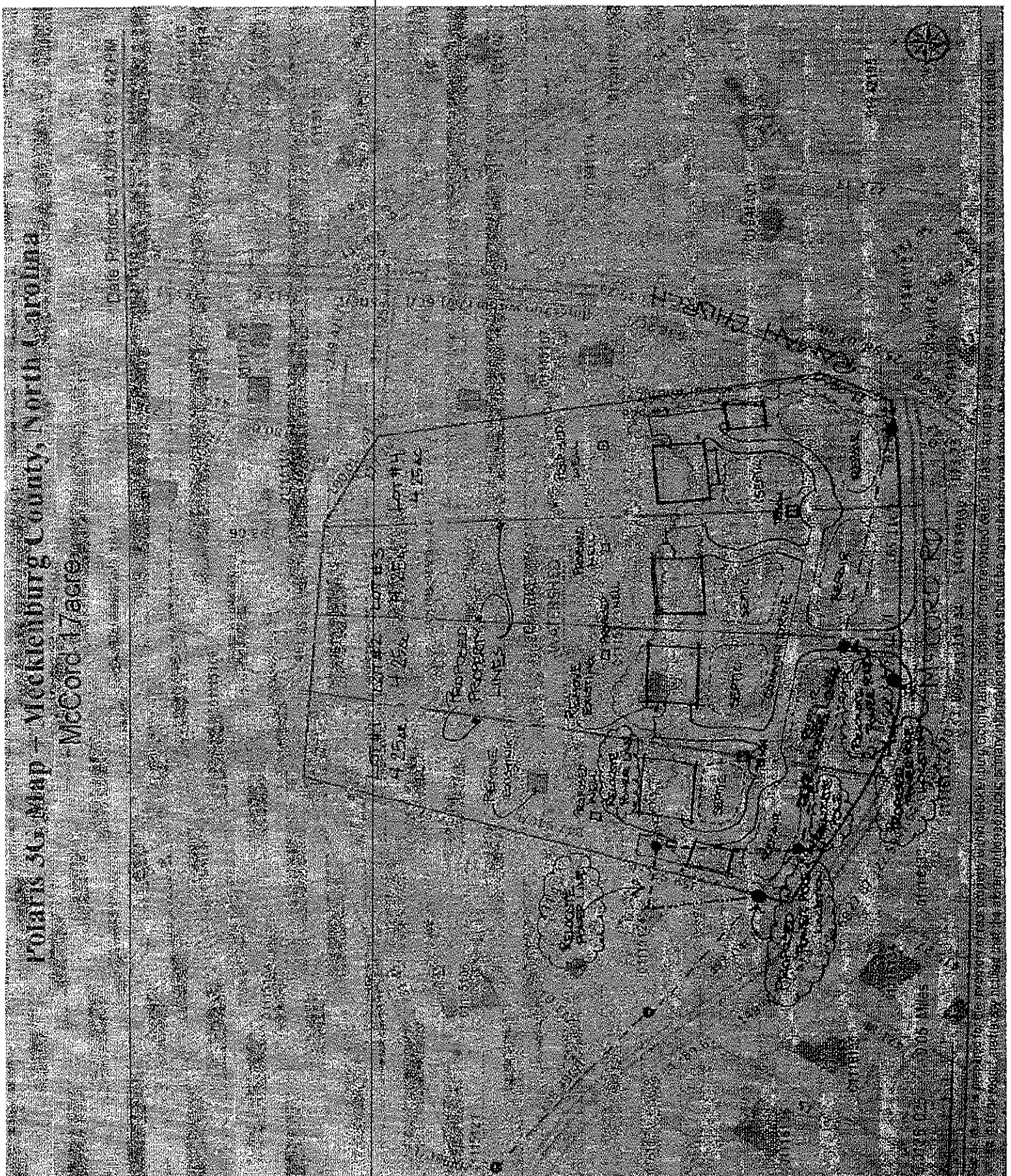
Polaris 3G Map – Mecklenburg County, North Carolina
McCord 17acre

Date Printed: 5/4/2014 5:12:42 PM



This map or report is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map or report are hereby notified that the aforementioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

Jun 13 2014 10:16:22 Matthew Barga → Matthew Barga


Polaris 3G Map – Mecklenburg County, North Carolina
McCorc 17ase

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/13/14	**Amount:**	250.00
Receipt #:	89821	**Tendered:**	250.00
Check / Auth #:	MC 04515T	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: BARGA MATTHEW
Attn:
Address: 14508 WESTGREEN DR
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen MCCORD RD, TP 01115123 LOT 4		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
270.00	205.00	650.00	565.00	849.65	

FAX COVER SHEET

To:

From: "Barga, Matt" <MATT.BARGA@irco.com>

Company:

Date: 06/13/14 10:00:11 AM

Fax Number: 7043366894

Pages (Including cover): 18

Re: McCord Septic Applications

Notes:

I will call to confirm receipt.

Thank you!

$1000

Matt Barga
Portfolio Leader, Air Conditioners & Coils
Residential Solutions
Ingersoll Rand
matt.barga@irco.com
Phone: (704) 655-5671
Fax: (866) 314-1693
Mobile: (704) 280-0845

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easylink services