


14242 SARAH ANN STEPHENS DR

01322118

1/8/2008

duponbj

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

# Supervisor/Administrative Professional Checklist

New Septic [X] New Well [ ] Use Existing [ ] Alteration [ ] Modified Plot Plan [ ]

New Septic Fees Paid:

IP ($250.00) 7/19/16 EA 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. [ ] _____

# 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) EA 10/24/16 Initials/Date

OP ($200.00) EA 10/24/16 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 10/10/16 EA Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ SAM 10-24-2016.

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. ☐ _____

Sp to Scott advised to set permit 10/24/16 EA

Permit # 8368 #5344B

**MECKLENBURG COUNTY**
**HEALTH DEPARTMENT**

15 JUL '16 AM11:43

# 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:** 01322118

**STREET ADDRESS:** 14242 Sarah Ann Stephens Drive

**CITY:** Huntersville

**STATE:** NC **ZIP:** 28078

**SUBDIVISION NAME:** Stillwell

**LOT #:** 4 **LOT SIZE (acres):** 3.19

**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:** 5,000

**NUMBER OF BEDROOMS:** 4 5

**NUMBER OF OCCUPANTS:** 8 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 _____

**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?** 2/14/05 ☐ UNKNOWN

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

**12. PROPERTY OWNER:**

NAME: Jonathon M Cate
ADDRESS: 8078 Blades Trail
CITY: Denver
STATE: NC ZIP: 28037
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

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

NAME: Michael Athanas and Associates
ADDRESS: 561 Ennis Road
CITY: Weddington
STATE: NC ZIP: 28173
WORK PHONE: _____
MOBILE PHONE: (704) 576-3887
FAX: _____
E-MAIL: scott@michaelathanas.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.

SK (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.

_____ 6/27/16
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: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

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.

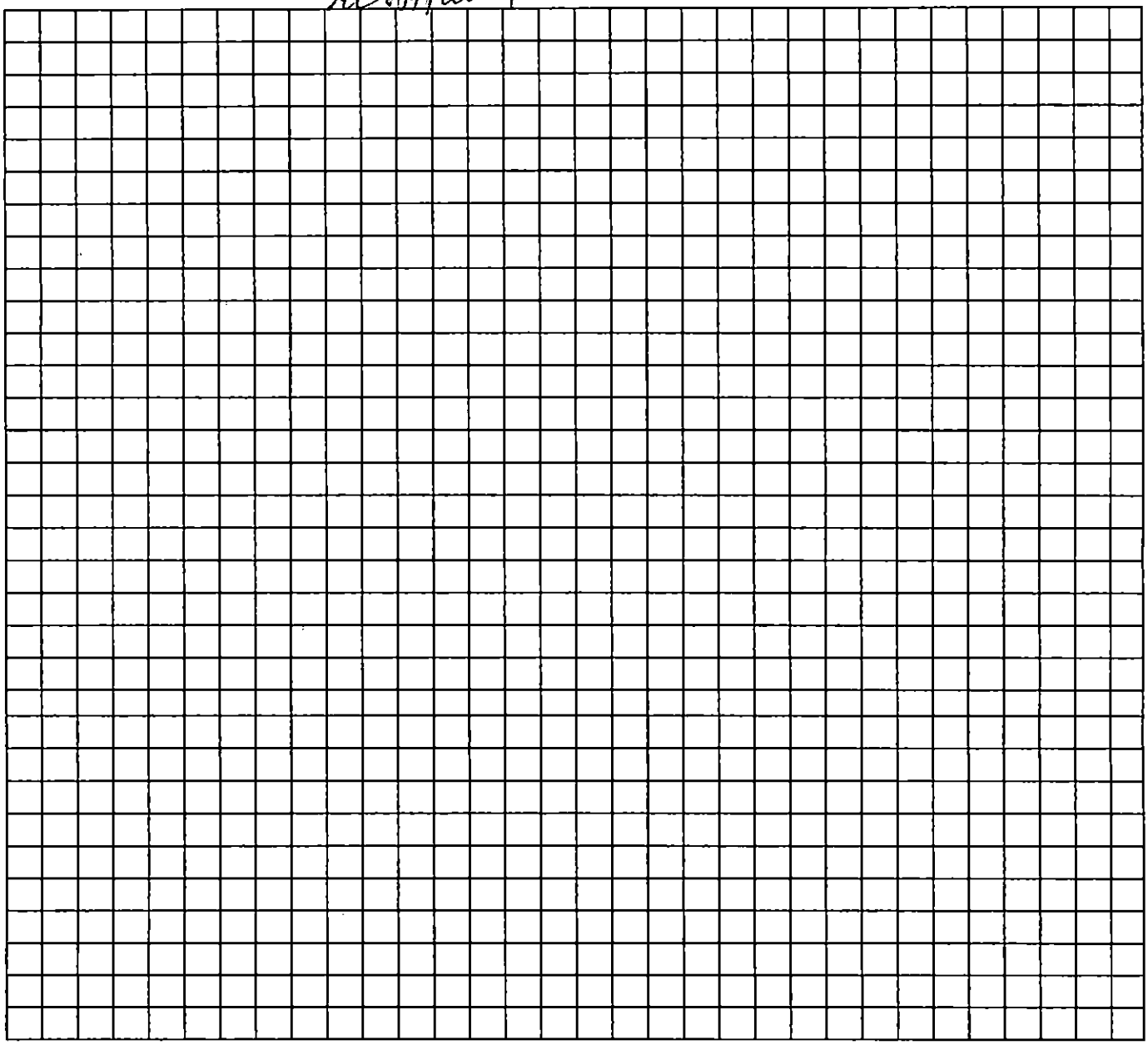
Street Address: 14242 Sarah Ann Stephens Drive

Tax Parcel #: 01322118

Subdivision Name: Stillwell

Lot #: 4

See Attached



Property Owner's or Owner's Legal Representative Signature

6/20/16
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
## Health Department

E. Winters Mabry, MD
Director

(704) 432-3199

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that Michael Athanas and Associates, Inc is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

14242 Sarah Ann Stephens Drive Huntersville
Number Street Town
(Or Parcel Number) Text

John Jackovich
Property Owner (print name)

Property Owner (signature)

6/23/16
Date

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
*Payment Receipt*

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 07/19/16 | **Amount:** | 250.00 |
| **Receipt #:** | 101156 | **Tendered:** | 250.00 |
| **Check / Auth #:** | CHECK 1233 | **Returned:** | 0.00 |
| **Received By:** | ANDRAEO | | |

**Account Information**

**Account #:** 200000
**Contractor:** MICHAEL ATHANAS & ASSOCIATES, I
**Attn:**
**Address:** 561 ENNIS RD
**Address:**
**City/State/Zip:** WAXHAW, NC 28173

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0701 | Improvment Permit App-Residen<br>14242 SARAH ANN STEPHENS DR | | 1 | 250.00 | 250.00 |

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

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

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

Sheet: 1 of 2
Property ID: 013-221-18
Lot #: 4
File #: 5344B
AppID: 8368

# SOIL/SITE EVALUATION
# for ON-SITE WASTEWATER SYSTEM

Owner: Jonathon Cate
Address: 8078 Blades Trail, Denver, NC 29037
Proposed Facility: 5BR House  Design Flow (.1949): 600 GPD
Location of Site: 14242 Sarah Ann Stephens Dr, Huntersville, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Municipal
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Michael Athanas & Associates
Date Evaluated: 7/25/2016
Property Size: 3.19 ac
Property Recorded: 2/14/2005

| 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 - 5 | gr SL | S P FI SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 5 - 13 | sbk CL | SS SP FR SEXP | | | | | | | |
| | | 13 - 44 | sbk C | S P FI SEXP | | | | | | | |
| | | 44 - 50 | sbk CL | SS SP FR SEXP | | | | | | | |
| Boring #2 | HS 3% | 0 - 7 | gr SL | SS SP FR SEXP | >49" | 49 | NA | NA | | PS IV 0.3 | 36" |
| | | 7 - 20 | sbk CL | SS SP FR SEXP | | | | | | | |
| | | 20 - 49 | sbk C | S P FI SEXP | | | | | | | |
| Boring #3 | LS 5% | 0 - 5 | gr SL | SS SP FR SEXP | >50" | 50 | NA | NA | | PS IV 0.3 | 36" |
| | | 5 - 12 | sbk CL | SS SP FR SEXP | | | | | | | |
| | | 12 - 50 | sbk C | S P FI SEXP | | | | | | | |
| Boring #4 | LS 5% | 0 - 5 | gr SL | SS SP FR SEXP | >50" | 50 | NA | NA | gravelly | PS IV 0.3 | 36" |
| | | 5 - 10 | sbk CL | SS SP FR SEXP | | | | | | | |
| | | 10 - 50 | sbk C | S P FI SEXP | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | IIIbg | ~~IIIbg~~ IVa |
| Site LTAR (gpd/sq ft) | 0.3 | 0.3 |

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

COMMENTS:

Sheet: 2 of 2
File #: 5344B
AppID: 8368

| 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 |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | f-fine |
| | | SiC-Silty Clay | | m-medium |
| | | C-Clay | | c-coarse |

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

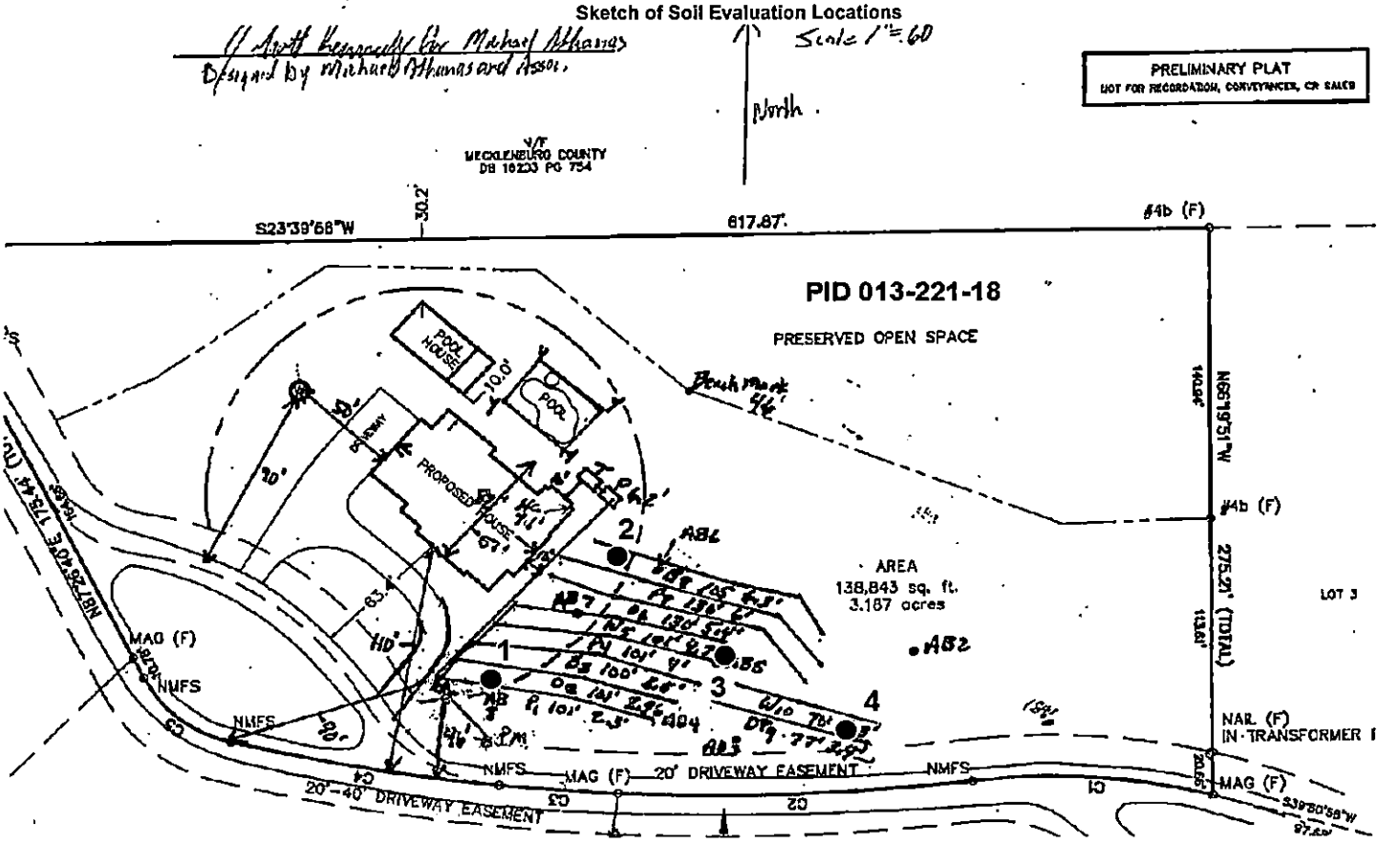
**Sketch of Soil Evaluation Locations**

Designed by Michael Thomas and Assoc.

Scale 1" = 60'

North

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCE, OR SALES



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


PROPERTY ID #: Lot 4 Stillwell; 14242 Sarah Ann Stephens Drive
COUNTY: Mecklenburg

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM

OWNER: Jonathon M. Cate
ADDRESS: 8078 Blades Trail, Denver, NC 28037
PROPOSED FACILITY: 4-Bedroom Residence PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Lot 3; 6515 Elizabeth Forest Dr., Huntersville, NC

APPLICATION DATE
DATE EVALUATED: 6/13/2016
PROPERTY SIZE: 3.19 Acres
PROPERTY RECORDED: 02/14/2005

WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| AB 1 | L 6-7% | 0"-8" | RBr CL WSBK | SS SP FR SEXP | | 31" | | AR @ 31" | .3 |
| | | 8"-31" | R C SBK | SS SP FR SEXP | | | | | |
| AB 2 | L 6-7% | 0"-4" | Br CL WSBK | SS SP FR SEXP | | 36" | | AR @ 36" | .3 |
| | | 4"-18" | R SCL WSBK | SS SP FR SEXP | | | | | |
| | | 18"-36" | R C SBK | SS SP FR SEXP | | | | | |
| AB 3 | L 6-7% | 0"-12" | YBr SCL WSBK | SS SP FR SEXP | | 48" | Few to Common Saporlite Inclusions 39"-48" | None | .3 |
| | | 12"-39" | R C SBK | SS SP FR SEXP | | | | | |
| | | 39"-48" | R CL WSBK | SS SP FR SEXP | | | | | |
| AB 4 | L 6-7% | 0"-6" | RBr CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 6"-48" | R C SBK | SS SP FR SEXP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 1200 ft2 | 1335 ft2 |
| System Type(s) | 25% Reduction | 25% Reduction |
| Site LTAR | .3 | . 3 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

COMMENTS: AB #1 is located in the repair area. There are no indications of bedrock. MA&A believe that this a floater rock. The repair will have a trench bottom of 17" and the initial system will have a trench bottom of 36".

# SOIL/SITE EVALUATION

*(Continuation Sheet)*



DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: Lot 4 Stillwell; 14242 Sarah Ann Stephens Drive
DATE OF EVALUATION: 6/13/2016
COUNTY: Mecklenburg

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| AB 5 | L 6-7% | 0"-15" | RBr CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 15"-48" | R C SBK | SS SP FR SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| AB 6 | L 6-7% | 0"-16" | R CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 16"-48" | R C SBK | SS SP FR SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| AB 7 | L 6-7% | 0"-8" | RBr CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 8"-48" | R C SBK | SS SP FR SEXP | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| AB 8 | L 6-7% | 0"-10" | Br CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 10"-48" | R C SBK | SS SP FR SEXP | | | | | |
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COMMENTS:

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


PROPERTY ID #: Lot 4 Stillwell; 14242 Sarah Ann Stephens Drive
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| | | 6"-48" | R C SBK | SS SP FR SEXP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 1200 ft2 | 1335 ft2 |
| System Type(s) | 25% Reduction | 25% Reduction |
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# SOIL/SITE EVALUATION

*(Continuation Sheet)*



DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: Lot 4 Stillwell; 14242 Sarah Ann Stephens Drive
DATE OF EVALUATION: 6/13/2016
COUNTY: Mecklenburg

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) | | OTHER PROFILE FACTORS | | | | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | | | .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | |
| AB 5 | L 6-7% | 0"-15" | RBr CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 15"-48" | R C SBK | SS SP FR SEXP | | | | | |
| AB 6 | L 6-7% | 0"-16" | R CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 16"-48" | R C SBK | SS SP FR SEXP | | | | | |
| AB 7 | L 6-7% | 0"-8" | RBr CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 8"-48" | R C SBK | SS SP FR SEXP | | | | | |
| AB 8 | L 6-7% | 0"-10" | Br CL WSBK | SS SP FR SEXP | | 48" | | None | .3 |
| | | 10"-48" | R C SBK | SS SP FR SEXP | | | | | |

COMMENTS:

# Groundwater & Wastewater Services: Septic Project File & D



| | |
|---|---|
| GWS File #: | 5344B |
| WASPS App #: | 8368 |
| Primary ES assigned to project: | Jeremy Michelone |
| Secondary ES assigned to project: | |
| Project Type: | New System |
| Site Evaluation Information: .1939(a)(1) - Topography and Landscape Position Recorded? | Yes |
| Site Evaluation Information: .1940(a-g) - Slope % Recorded? | Yes |
| Site Evaluation Information: .1939(a)(2) - Texture Class Recorded? | Yes |
| Site Evaluation Information: .1939(a)(2) - Structure Type Recorded? | Yes |
| Site Evaluation Information: .1939 (a)(2) - Consistence Recorded? | Yes |
| Site Evaluation Information: .1939(a)(2) - Mineralogy Recorded? | Yes |
| Site Evaluation Information: .1939(a)(3) - Soil Wetness Condition Recorded? | Yes |
| Site Evaluation Information: .1939(a)(4) - Soil Depth to Rock or Parent Material Recorded when Encountered? | Yes |
| Site Evaluation Information: .1939(a)(5) - Depth to Restrictive Horizons Recorded when Encountered? | N/A |
| Site Evaluation Information: .1939(a)(6) - Sufficient Available Space Recorded? | Yes |
| Site Evaluation Information: .1937(m) - Are the Profile Locations Shown? | Yes |
| Site Evaluation Information: .1939(a) - Are the S/PS Profiles in system & in repair area? | Yes |
| Site Evaluation Information: .1939(d), .1955, .1956, .1957 - LTAR | Yes |
| Improvement Permit/Construction Authorization: .1937(g), 130A-336(a) - Proposed System Type stated - Initial | Yes |
| Improvement Permit/Construction Authorization: .1945(b) - Proposed System Type stated - Repair | Yes |
| Improvement Permit/Construction Authorization: 130A-336(a)(3) - System location identifiable by setbacks - Initial | Yes |
| Improvement Permit/Construction Authorization: .1937(g), .1945(b) - System components shown - Initial | Yes |
| Information Permit/Construction Authorization: .1945(b) - Repair area shown | Yes |
| Improvement Permit/Construction Authorization: .1937(f)(g) - Does System design match facility, flow & WW characteristics? | Yes |
| Improvement Permit/Construction Authorization: .1937(f)(g) - Is System design consistent with soil/site conditions? | Yes |
| Improvement Permit/Construction Authorization: .1937(f)(g) - Is the System located in the approved area? | Yes |
| Improvement Permit/Construction Authorization: 130A-336(a) - Number of Bedrooms, employees, seats, etc. indicated? | Yes |
| Improvement Permit/Construction Authorization: .1937 (g) - Trench depth correct? | Yes |
| Improvement Permit/Construction Authorization: .1937(g) - Trench width correct? | Yes |
| Improvement Permit/Construction Authorization: .19379(g) - Trench length correct? | Yes |
| Improvement Permit/Construction Authorization: 130A-336(a)(1) - Proposed/existing well shown? | Yes |

| | |
|---|---|
| Improvement Permit/Construction Authorization: 130A-336(a)(1) - Property line lengths shown? | Yes |
| Improvement Permit/Construction Authorization: 130A-336(a) - Facility/appurtenance setbacks shown from fixed points? | Yes |
| Corrections/modifications needed? | No |
| Comments: | |
| IA issued date: | |
| OP Issued date: | |
| Review performed by: | Jeremy Michael |
| Date performed: | 7/29/2016 |

Created at 7/29/2016 9:22 AM by Michael, Jeremy
Last modified at 7/29/2016 9:22 AM by Michael, Jeremy

Close



**MICHAEL ATHANAS & ASSOCIATES**
**LICENSED SOIL SCIENTIST**
**561 Ennis Rd.**
**Weddington, NC 28173**
**(704) 576-3887**

**Reference: Data Sheet for Lot 4 Stillwell; 14242 Sarah Ann Stephens Drive; Mecklenburg County, NC**

**House Footprint:** 83' x 60' with a crawl space
**Building Setbacks:** 25' front/25' rear/5' side
**Water Source:** Private Well
**Number of Bedrooms:** 5/600 GPD
**Proposed LTAR:** 0.3 GPD/FT2
**Proposed System Type:** 25% Reduction ~~Gravity~~
**Proposed Repair System Type:** 25% Reduction
**Distribution:** Pressure Manifold
**Flow per Tap:** 5.48 GPM for ½" SCH80
**Tap Size and Material:** ½" SCH80
**System Flow:** 27.4 GPM
**Dosing Volume:** 218.76 Gallons
**Pump Run Time:** 7.98 minutes
**Elevation Head:** 8.9'
**Friction Head:** 2.31'
**Pressure Head:** 2'
**Total Dynamic Head:** 13.21'
**Supply Line Length:** 125'
**Septic/Pump Tank Size:** 1500/1500
**Proposed Trench Bottom:** 36" on initial system. 17" on repair.

**GWS Septic System Design Review**
**GWS File #:** 53948 **Approved** ☑ **Disapproved** ☐
**Design Review:** _____
**Field Review:** _____ ☐
***Proposals are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.**

| Line | Design Length | Actual Length | Elevations |
|---|---|---|---|
| **Pink 1** | **100'** | **100'** | **2.3'** |
| **Orange 2** | **100'** | **101'** | **2.9'** |
| **Blue 3** | **100'** | **100'** | **3.5'** |
| **Pink 4** | **100'** | **101'** | **4'** |
| **White 5** | **100'** | **101'** | **4.7'** |
| Orange 6 | | 130' | 5.4' |
| Pink 7 | | 130' | 6' |
| Blue 8 | | 105' | 6.3' |
| Double Pink 9 | | 75' | 3.4' |
| White 10 | | 70' | 4.3' |

**Initial System:** 500' **Repair System:** 510'
**House Corner:** 7.1' **Pump Tank:** 6.2' **PM:** 2.3' **Bench Mark:** 4.6'

**Comments:**

The purpose of this evaluation is to have the property permitted for a 5-bedroom residence. MA&A evaluated the site using multiple auger borings. Some floater rocks were encountered in the repair area. The repair area has a proposed trench bottom of 17". The house site and pool house site has been staked by a surveyor. The proposed pool has been marked using yellow pin flags. Any effluent from the pool house should be pumped to the septic tank using a grinder pump. Gravity flow maybe used from the pool house to the septic tank if feasible.

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 #: 30008368 GWS File #: 5344B Tax Parcel #: 013-221-18

- 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):** 7/28/2021

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

Structure Type: HOUSE Size ($ft^2$): 5000 # Bedrooms: 5 # Occupants: 10

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 600 LTAR ($gpd/ft^2$): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area ($ft^2$): 1500 Total Trench Length (ft): 500

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

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

Repair System Specifications:

Design Flow (gpd): 600 LTAR ($gpd/ft^2$): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area ($ft^2$): 1500 Total Trench Length (ft): 500

Maximum Trench Depth (in): 17 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 STATE OF NORTH CAROLINA, 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 a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: J Scott Kennedy

Signature: Jeremy Michelone REHS Signature: J. Scott Kennedy

Print Name

Date Issued: 7/28/2016

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 #: 30008368 GWS File #: 5344B

**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.
- 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.
- 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.
- 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 STATE OF NORTH CAROLINA, 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 permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: J Scott Kennedy

Signature: Jeremy Michelone Signature: J. Scott Kennedy

Print Name

Date Issued: 7/28/2016

14242 SARAH ANN STEPHENS DRIVE

| | | | |
|---|---|---|---|
| C4 | 950.01 | 124.48 | |
| C5 | 60.00 | 51.72 | |
| C6 | 80.00 | 31.24 | |

NMFS NO MONUMENT FOUND OR SET
R/W RIGHT OF WAY
b/c BACK OF CURB
P.D.E. PUBLIC DRAINAGE EASEMENT
MAG SURVEY NAIL
-S- PROPOSED SEPTIC LINES
PROPOSED WELL
HATCHED AREA = DRIVEWAY EASEMENT

## NOTES & REFERENCES:

SUBJECT PARCEL
N/F
JONATHAN M CATE
LOT 4, MB 43 PG 79
DB 19053 PG 43
TAX PARCEL #01322118

F.E.M.A.- F.I.R.M. INFORMATION
COMMUNITY NUMBER: 370478 MAP NUMBER: 3710461000M
EFFECTIVE DATE: 09/02/2015 ZONE: X (OUT)

A Scott Kennedy for Michael Athanas
Designed by Michael Athanas and Assoc.

Scale 1"=60'
J. Scott Kennedy
North

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES

Signature

File # 53448
Permit # 8368
Parcel # 013-221-18

N/F
MECKLENBURG COUNTY
DB. 16203 PG 754

S23°39'56"W 30.2' 617.87'

#4b (F)

PRESERVED OPEN SPACE

POOL HOUSE
POOL
10.0'
DRIVEWAY
PROPOSED HOUSE
51'
90'
50'
63.4'
110'
AB6
AB7
AB8
AB4
AB3
AB2
AB1
AREA
138,843 sq. ft.
3.187 acres
482
N66°19'51"W 140.94'
#4b (F)
275.21' (TOTAL)
113.61'
LOT 3
NAIL (F)
IN TRANSFORMER PAD
MAG (F)
20.65'
S39°30'58"W
87.68'
N87°26'40"E 184.65'
MAG (F)
NMFS
NMFS
NMFS
MAG (F) 20' DRIVEWAY EASEMENT
20'-40' DRIVEWAY EASEMENT
C1
C2
C3
C4
LOT 1

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 #: **30008368** GWS File #: **5344B** Tax Parcel #: **013-221-18**

- 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):** 7/28/2021

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

Structure Type: HOUSE Size ($ft^2$): 5000 # Bedrooms: 5 # Occupants: 10

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 600 | LTAR ($gpd/ft^2$): | 0.3 | Septic Tank Size (gal): | 1500 | Pump Tank Size (gal): | 1500 |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 1500 | Total Trench Length (ft): | 500 |
| Maximum Trench Depth (in): | 30 | Depth of Media (in): | 12 | Distribution Device: | Pressure Manifold | | |

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

Repair System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 600 | LTAR ($gpd/ft^2$): | 0.3 | Septic Tank Size (gal): | 1500 | Pump Tank Size (gal): | 1500 |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 1500 | Total Trench Length (ft): | 500 |
| Maximum Trench Depth (in): | 17 | 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 STATE OF NORTH CAROLINA, 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 a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 7/28/2016

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 #: **30008368** GWS File #: **5344B**

**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.
- 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.
- 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.
- 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 STATE OF NORTH CAROLINA, 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 licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

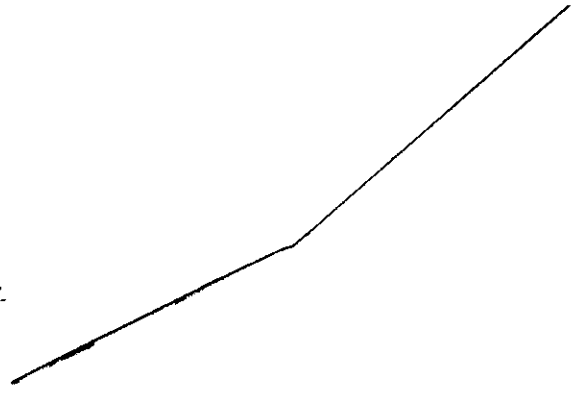
Authorized Agent: Jeremy Michelone

Signature: _____

Date Issued: 7/28/2016

Owner/Legal Agent: _____
Print Name

Signature: _____


/28/201

14242 SARAH ANN STEPHENS DRIVE

NMFS NO MONUMENT FOUND OR SET
R/W RIGHT OF WAY
b/c BACK OF CURB
P.D.E. PUBLIC DRAINAGE EASEMENT
MAG SURVEY NAIL
—S— PROPOSED SEPTIC LINES
(W) PROPOSED WELL

HATCHED AREA = DRIVEWAY EASEMENT

## NOTES & REFERENCES:

SUBJECT PARCEL
N/F
JONATHAN M CATE
LOT 4, MB 43 PG 79
DB 19053 PG 43
TAX PARCEL #01322118

| | | | |
|---|---|---|---|
| C4 | 950.01 | 124.48 | |
| C5 | 60.00 | 51.72 | |
| C6 | 80.00 | 31.24 | |

F.E.M.A.– F.I.R.M. INFORMATION
COMMUNITY NUMBER: 370478 MAP NUMBER: 3710461000M
EFFECTIVE DATE: 09/02/2015 ZONE: X (OUT)

A Septic Design Application Has Been Submitted To Mecklenburg County Environmental Health Department For Review And Approval. Septic System Designed by Michael Mhanna and Associates.

Scale 1"=60'

North

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES

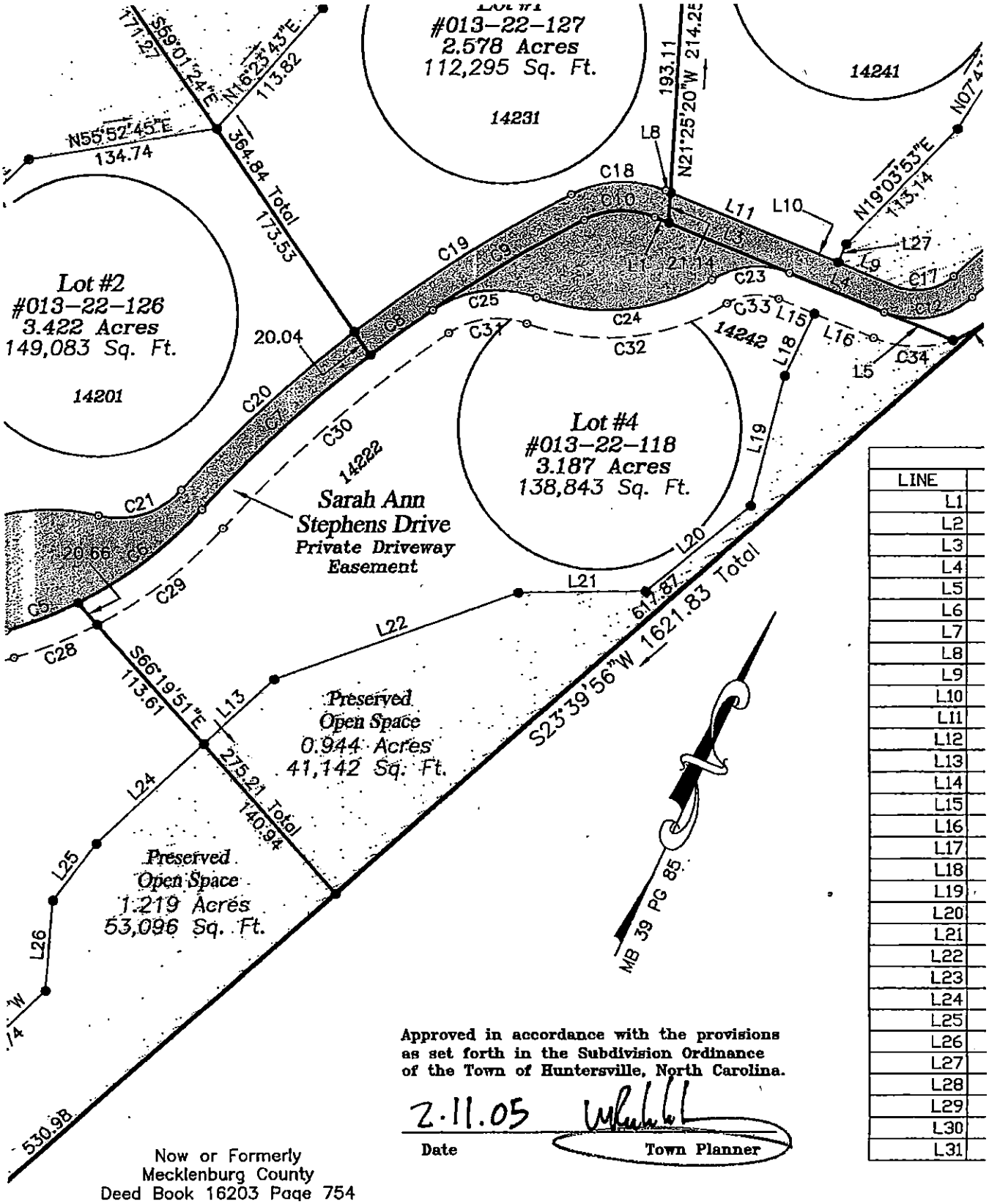
File # 53448
Permit # 8368
Parcel # 013-221-18

N/F
MECKLENBURG COUNTY
DB 16203 PG 754

S23°39'56"W 30.2' 617.87' #4b (F)

PRESERVED OPEN SPACE

POOL HOUSE
POOL
10.0'
DRIVEWAY
PROPOSED HOUSE
50'
90'
51'
18'
61.2'
63.4'
110'
18.68'
N87°26'40"E
10.78'
MAG (F)
NMFS
NMFS
NMFS
NMFS
MAG (F)
20' DRIVEWAY EASEMENT
20'-40' DRIVEWAY EASEMENT
C1
C2
C3
C4
C5
C6
LOT 1
LOT 3
AREA
138,843 sq. ft.
3.187 acres
140.94'
N66°19'51"W
#4b (F)
275.21' (TOTAL)
113.61'
20.66'
NAIL (F)
IN TRANSFORMER PAD
MAG (F)
S39°50'58"W
97.68'




| LINE |
|---|
| L1 |
| L2 |
| L3 |
| L4 |
| L5 |
| L6 |
| L7 |
| L8 |
| L9 |
| L10 |
| L11 |
| L12 |
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| L27 |
| L28 |
| L29 |
| L30 |
| L31 |

**Approved in accordance with the provisions as set forth in the Subdivision Ordinance of the Town of Huntersville, North Carolina.**

2.11.05
**Date**

**Town Planner**

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 #: 53448 Permit #: 8544 Tax Parcel #: 013-221-18

Property Owner: Daniel Wood

Job Location Address: 14242 Sarah Ann Stephens Drive

City: Huntersville State: NC Zip Code: 28078

**Operation Permit Issuance Date:** 3/20/17 Contractor Name: Richard Abernathy

Permitted Design Flow: 600 GPD Liquid Capacity of Dosing Tank: 1500 gallons

Liquid Capacity of Septic Tank: 1500 gallons Manufacture Dellinger Effluent Pump Model: Liberty 3/4

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 5 feet

# of Lines: 5 @ VARY feet

Depth of Media: 12 inches (Type) IQ4W

Depth of Cover: 18 inches

Distribution Device: P. Manifold

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: 18' feet

Distance from Property Line: >10' feet

Distance from Water Supply Source: 104' feet

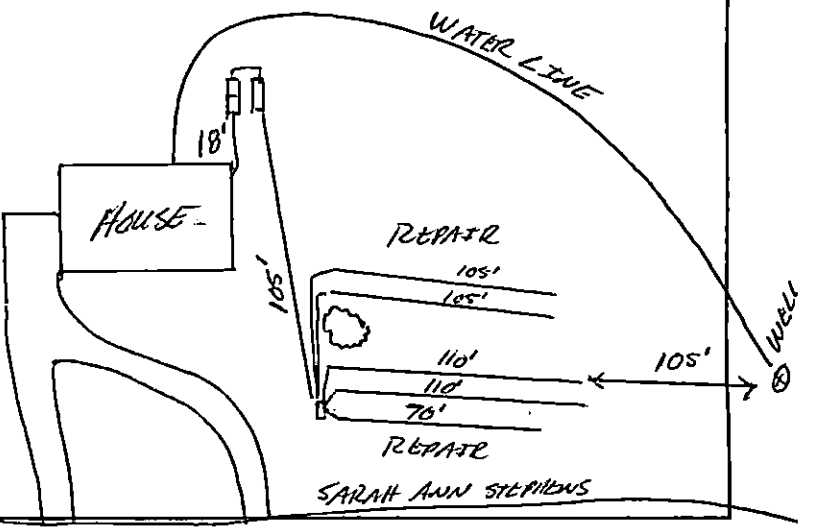
Inspection Dates

Tank(s) Inspected: 3/14/17

Excavation Inspected: 3/15/17

Pump & Controls Inspected: 3/20/17

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)




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: IIIb, Pressure, IQ4W, NA, NA

DENR Authorized Agent: Tiffany Mecklenburg Ritts Signature: Tiffany Mecklenburg Ritts

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 #: 53448 Permit #: 8544 Tax Parcel #: 013-221-18

Property Owner: Daniel Wood

Job Location Address: 14242 Sarah Ann Stephens Drive

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: III b

*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: Jeremy McLeod, REHS Date: 3/20/17

Signature: Jeremy McLeod, REHS

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
*Payment Receipt*

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 10/24/16 | **Amount:** | 200.00 |
| **Receipt #:** | 102213 | **Tendered:** | 200.00 |
| **Check / Auth #:** | CHARGE | **Returned:** | 0.00 |
| **Received By:** | ANDRAEO | | |

**Account Information**

**Account #:** X43382
**Contractor:** GRANDE CUSTOM HOMES
**Attn:**
**Address:** PO BOX 5309
**Address:**
**City/State/Zip:** CHARLOTTE, NC 28299

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0734 | Septic Construction Authorizat<br>14242 SARAH ANN STEPHENS DRIVE | | 1 | 200.00 | 200.00 |

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

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 566.33 | | | | | |

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
***Payment Receipt***

**Receipt Information**

| | | | |
|---|---|---|---|
| **Date:** | 10/24/16 | **Amount:** | 200.00 |
| **Receipt #:** | 102214 | **Tendered:** | 200.00 |
| **Check / Auth #:** | CHARGE | **Returned:** | 0.00 |
| **Received By:** | ANDRAEO | | |

**Account Information**

**Account #:** X43382
**Contractor:** GRANDE CUSTOM HOMES
**Attn:**
**Address:** PO BOX 5309
**Address:**
**City/State/Zip:** CHARLOTTE, NC 28299

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0703 | Septic Operational Permit<br>14242 SARAH ANN STEPHENS DR | | 1 | 200.00 | 200.00 |

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

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 766.33 | | | | | |