SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☒ NEW WELL ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) LE 6/3/19 Initial/Date

CA ($200.00) LE 7/24/19 Initial/Date

OP ($200.00) LE 7/24/19 Initial/Date

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

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 _____ Initial/Date

Alteration Fees Paid: $300 Total $200 _____ Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____ Initial/Date

Floor plans need to be submitted and reviewed before CA can be issued ☒ Review ☒ SPM 7/25/19 Ok to generate CA

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

Septic file complete ☒ SPM 10/14/19 Well complete ☐ _____

Send permit for signature ☒ Signature received ☑ _____

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

Certified operator contract is on file ☐ _____



Groundwater & Wastewater Services: Septic Project File & D

Edit Response | Delete Response | Manage Permissions | Workflows | Alert Me

GWS File #:	9711
WASPS App #:	10517
Primary ES assigned to project:	Jacob Presley
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?	Yes
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?	N/A

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:	- 10/3/19
OP Issued date:	- 10/9/19
Review performed by:	Jeremy Michelone
Date performed:	7/11/2019

Created at 7/11/2019 3:37 PM by Michelone, Jeremy
Last modified at 7/11/2019 3:37 PM by Michelone, Jeremy

Close

9711

31 MAY '19 AM11:47

MECKLENBURG COUNTY
HEALTH DEPARTMENT

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: 01916204
STREET ADDRESS: 11106 Dogwood Lane
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME:
LOT #: 10 LOT SIZE (acres): 0.71

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: 1,575
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 2

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 2 3 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? _____ ☑ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 6/14/19 ☐ N/A

12. PROPERTY OWNER:

NAME: Benjamin Hammill
ADDRESS: 22410 Market Street Apt 2407
CITY: Cornelius
STATE: Nc ZIP: 28031
WORK PHONE: (704) 960-2613
MOBILE PHONE:
FAX:
E-MAIL: IQCustomben@gmail.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME:
ADDRESS:
CITY:
STATE: ZIP:
WORK PHONE:
MOBILE PHONE:
FAX:
E-MAIL:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208 OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19

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.

BH (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.

NA (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.

Bryan Hamill

Property Owner's or Owner's Legal Representative Signature

5/31/19

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
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208 OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19

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: 11106 Dogwood Lane

Tax Parcel #: 01916204

Subdivision Name: _____

Lot #: 10

See attached plot plan

Bryan Hamill

Property Owner's or Owner's Legal Representative Signature

5/31/19

Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208, OFFICE: (980) 314-1680, FAX: 704-336-6894

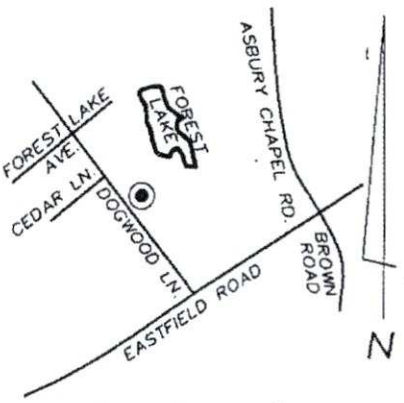
Revised on: 03/27/19

THIS IS TO CERTIFY THAT ON THE 13TH DAY OF MARCH, 2018 I, SURVEYED THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE PROPERTY LINES, AND THE IMPROVEMENTS IF ANY ARE AS SHOWN HEREON.

SIGNED John A. Christian II
PROFESIONAL LAND SURVEYOR

JOHN A. CHRISTIAN II
JACK R. CHRISTIAN & ASSOCIATES
7811 OLD CONCORD RD, CHARLOTTE, N.C. 28213
PHONE: (704)596-2214

DOGWOODL10B2&LB
EDC



VICINITY MAP

SYMBOL LEGEND

○	POWER POLE
—x—x—	FENCE
—E—E—	ELECTRIC LINE
N.I.R.	NEW IRON REBAR
E.I.R.	EXISTING IRON REBAR

NORTH CAROLINA PROFESSIONAL SEAL L-4897 LAND SURVEYOR JOHN A. CHRISTIAN II

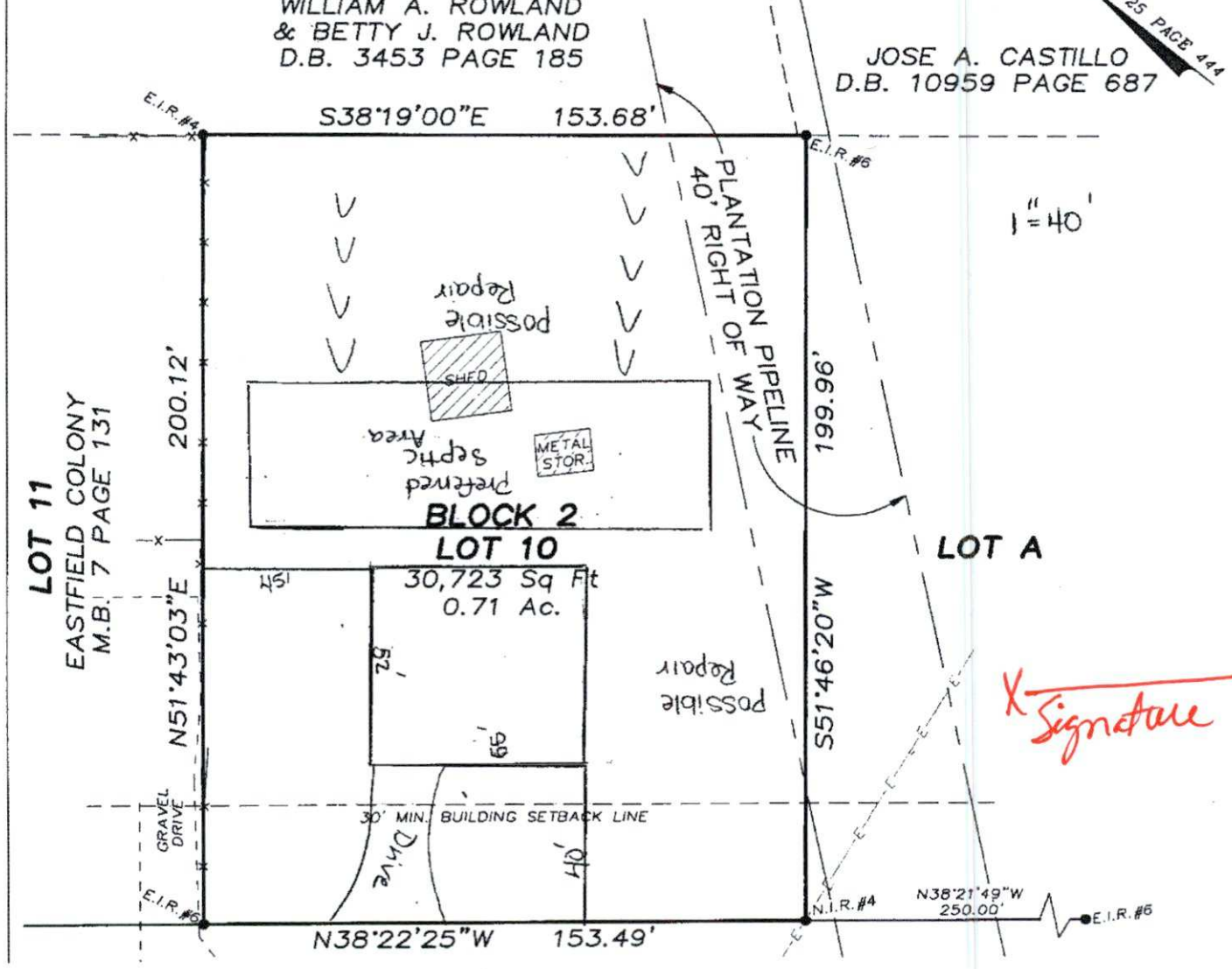
NOTES:

PACEL ID #019-162-08

ZONING IS TR(HUNTERSVILLE ETJ). SETBACK SHOWN IS PER M.B. 25 PAGE 44.

OTHER SETBACKS, EASEMENTS, OR RIGHT OF WAYS MAY EXIST WHICH MAY NOT BE SHOWN.

PROPERTY SHOWN DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA PER FEMA FIRM PANEL #3710456900J, DATED 3/2/09.



MECKLENBURG COUNTY
Public Health

Gibbie Harris, MSPH, BSN
Health Director

(704) 336-4700

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 **IQ Custom Construction** is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

11106 Dogwood Lane Huntersville NC
Number Street Town
(Or parcel Number)

Benjamin Hammill
Property Owner (print name)

Property Owner (signature)

6/23/19
Date

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/03/19	**Amount:**	250.00
Receipt #:	117441	**Tendered:**	250.00
Check / Auth #:	VISA 174932	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: 200000
Contractor: HAMMILL, BENJAMIN
Attn:
Address: 22410 MARET STREET APT 2407
Address:
City/State/Zip: CORNELIUS, NC 28031

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 11106 DOGWOOD LANE		1	250.00	250.00

----------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:	07/24/19	**Amount:**	200.00
Receipt #:	118010	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X45184
Contractor: I Q CUSTOM CONSTRUCTION INC
Attn:
Address: 840 EDMINSTON RD
Address:
City/State/Zip: MOUNT ULLA, NC 28125

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 11106 DOGWOOD LANE		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
400.00				0.03	

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	07/24/19	**Amount:**	200.00
Receipt #:	118009	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X45184
Contractor: I Q CUSTOM CONSTRUCTION INC
Attn:
Address: 840 EDMINSTON RD
Address:
City/State/Zip: MOUNT ULLA, NC 28125

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 11106 DOGWOOD LANE		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
200.00				0.03	

FEE: 200.00

DATE: 7/26/2019

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

MECKLENBURG COUNTY

GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 9711

PERMIT NUMBER: 30010517

PARCEL NUMBER: 01916204

JOB LOCATION INFORMATION

ADDRESS: 11106 DOGWOOD LN

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

ISSUED TO: BENJAMIN HAMMILL

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 7/25/2019

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30010517, 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, AND MAY BE ISSUED AT THE SAME TIME THE IMPROVEMENT PERMIT IS ISSUED.

Authorized Agent Signature _____

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

Sheet: 1 of 2
Property ID: 019-162-04
Lot #: 10
File #: 9711
AppID: 10517

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Benjamin Hammill
Applicant: owner
Address: 22410 Market St., Apt. 2407, Cornelius, NC 28031
Date Evaluated: 7/2/2019
Proposed Facility: 3 Bedroom House
Design Flow (.1949): 360 GPD
Property Size: 0.71 ac
Location of Site: 11106 Dogwood Ln, Huntersville, NC 28078
Property Recorded: Unknown
Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [X] Municipal
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit	LS	0 - 6	sbk SCL	SS SP FR SEXP							
#1	8%	6 - 40	sbk/abk C	S P FR SEXP	>51"	51	NA	NA		PS IV	36"
		40 - 51	sbk CL	SS SP FR SEXP						0.275	
Pit	LS	0 - 5	sbk SCL	SS SP FR SEXP							
#2	9%	5 - 42	sbk C	S P FR SEXP	>52"	52	NA	NA		PS IV	36"
		42 - 52	sbk CL	SS SP FR SEXP						0.3	
Pit	LS	0 - 6	gr CL	SS SP FR SEXP							
#3	8%	6 - 32	sbk/abk C	S P FR SEXP	>60"	60	NA	NA	saprolite inclusions	PS IV	36"
		32 - 60	sbk CL	SS SP FR SEXP					40 - 60"	0.275	
Pit	LS	0 - 5	sbk CL	SS SP FR SEXP							
#4	9%	5 - 21	sbk/abk C	S P FR SEXP	>63"	34	PS	NA		PS IV	36"
		21 - 34	sbk/abk CL	SS SP FR SEXP					sbk CL soil inclusions	0.275	
		34 - 63	mass L Sap	SS SP FR SEXP					in saprolite		
Boring	LS	0 - 3	gr CL	SS SP FR SEXP							
#5	8%	3 - 27	sbk/abk C	S P FR SEXP	>51"	51	NA	NA	saprolite inclusions	PS IV	36"
		27 - 51	sbk CL	SS SP FR SEXP					20 - 51"	0.275	
Boring	LS	0 - 12	sbk CL	SS SP FR SEXP							
#6	8%	12 - 51	sbk C	S P FR SEXP	>51"	51	NA	NA		PS IV	36"
										0.3	

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	IVa
Site LTAR (gpd/sq ft)	**0.275**	**0.275**

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

COMMENTS:

Landscape Position
R-Ridge
SS-Shoulder Slope
LS-Linear Slope
FS-Foot Slope
NS-Nose Slope
HS-Head Slope
CC-Concave Slope
CV-Convex Slope
T-Terrace
FP-Flood Plain
D-Drainage Way

Group	Texture	.1955 LTAR
I	S-Sand	1.2 - 0.8
	LS-Loamy Sand	
II	SL-Sandy Loam	0.8 - 0.6
	L-Loam	
III	Si-Silt	0.6 - 0.3
	SiCL-Silty Clay Loam	
	CL-Clay Loam	
	SCL-Sandy Clay Loam	
	SiL-Silt Loam	
IV	SC-Sandy Clay	0.4 - 0.1
	SiC-Silty Clay	
	C-Clay	

Structure
sg-Single Grain
mass-Massive
cr-Crumb
gr-Granular
sbk-Subangular Blocky
abk-Angular Blocky
pl-Platy
pr-Prismatic
Sap-Saprolite

Structure Prefixes
w-weak
m-moderate
s-strong
f-fine
m-medium
c-coarse

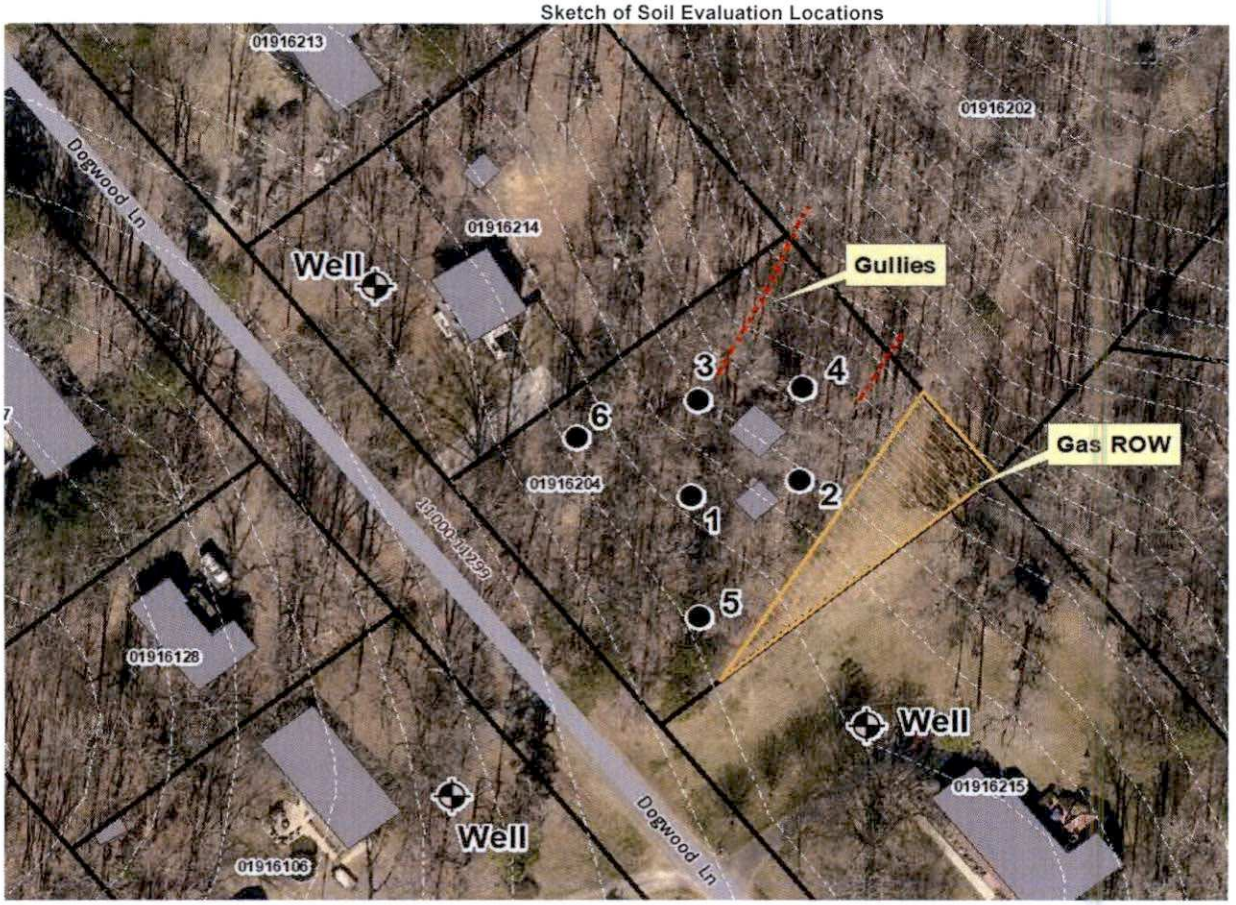
Consistence
Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

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

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Classification
US-Unsuitable
PS-Provisionally Suitable
S-Suitable
NA-Not Applicable

Sketch of Soil Evaluation Locations



Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr, Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30010517** GWS File #: **9711** Tax Parcel #: **019-162-04**

- 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. 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):** 7/11/2024

Type of Installation: Residential - New System Lot Number: 10

Structure Type: HOUSE Size (ft^2): 1575 # Bedrooms: 3 Max. Occup.: 6

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Drop Boxes		

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	655	Total Trench Length (ft):	218
Maximum Trench Depth (in):	36	Depth of Media (in):	22	Distribution Device:	Manifold (LPP Distri		

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: Jacob Presley Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 7/11/2019

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr, Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30010517** GWS File #: **9711**

IV. Permit Conditions/Comments:

- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- 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 10 feet from any foundation drain.
- The metal storage building and shed must be removed.

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: Jacob Presley

Signature: _____

Date Issued: 7/11/2019

Owner/Legal Agent: _____
Print Name

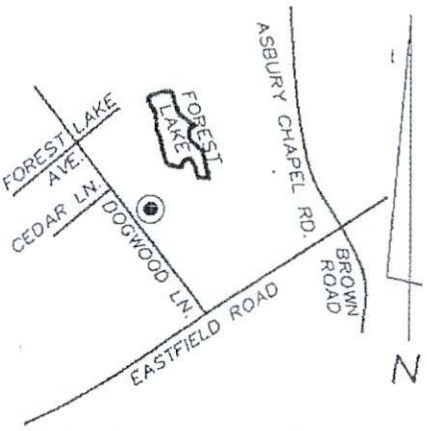
Signature: _____

THIS IS TO CERTIFY THAT ON THE 13TH DAY OF MARCH, 2018 I, SURVEYED THE PROPERT SHOWN ON THIS PLAT, AND THAT THE PROPERTY LINES, AND THE IMPROVEMENTS IF ANY ARE AS SHOWN HEREON.

SIGNED John A. Christian II PROFESIONAL LAND SURVEYOR

JOHN A. CHRISTIAN II
JACK R. CHRISTIAN & ASSOCIATES
7811 OLD CONCORD RD, CHARLOTTE, N.C. 2
PHONE: (704)596-2214

DOGWOODL10B2
EDC



VICINITY MAP

SYMBOL LEGEND	
⊙	POWER POLE
—x—x—	FENCE
—E—E—	ELECTRIC LINE
N.I.R.	NEW IRON REBAR
E.I.R.	EXISTING IRON REBAR

NOTES:

PACEL ID #019-162-08

ZONING IS TR(HUNTERSVILLE ETJ). SETBACK SHOWN IS PER M.B. 25 PAGE 44.

OTHER SETBACKS, EASEMENTS, OR RIGHT OF WAYS MAY EXIST WHICH MAY NOT BE SHOWN.

PROPERTY SHOWN DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA PER FEMA FIRM PANEL #3710456900J, DATED 3/2/09.

NORTH CAROLINA PROFESSIONAL SEAL L-4897 LAND SURVEYOR JOHN A. CHRISTIAN II

11106 Dogwood Ln.
PID 019-162-04
File #9711
Permit #30010517
by Jacob Presky
JRP 7-11-19

WILLIAM A. ROWLAND & BETTY J. ROWLAND
D.B. 3453 PAGE 185

JOSE A. CASTILLO
D.B. 10959 PAGE 687

M.B. 25 PAGE 44

Gullies

S38°19'00"E 153.68'

E.I.R.#4

E.I.R.#6

Shed and Metal Storage Building must be removed.

Type IVa Repair ⊗4

3'x63'

3'x64'

SHED

2

⊗3

3'x100'

METAL STOR.

3'x100'

⊗1

20'

10'

5'

15'

N51

⊗6

30,723 Sq Ft
0.71 Ac.

Type IVa ⊗5 Repair

PLANTATION PIPELINE 40' RIGHT OF WAY

40'

199.96'

S51°46'20"W

167'

LOT 11
EASTFIELD COLONY
M.B. 7 PAGE 131

200.12'

N51°43'03"E

102'

52'

52'

55'

GRAVEL DRIVE

30' MIN. BUILDING SETBACK LINE

Drive

40'

20'

N.I.R.#4

N38°21'49"W 250.00'

E.I.R.#6

N38°22'25"W 153.49'

E.I.R.#6

3 Bedroom House
360GPD 1"=40' 0.275 LTAR
Type III g 25% Reduction
Accepted System
1,000 Gallon Septic Tank
327' Total Trench Length
4 Lines 1-100' End Cap
2-100' to End Cap
LOT A 3-64' or Drop
4-63' Boxes
Trench bottom depth should be between 24 and 36"
Type IVa Repair
LPP PPBPS

Improves X

On-Site Wastewater Improvement Permit Sketch

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NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30010517** GWS File #: **9711** Tax Parcel #: **019-162-04**

- 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. 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):** 7/11/2024

Type of Installation: Residential - New System Lot Number: 10

Structure Type: HOUSE Size (ft^2): 1575 # Bedrooms: 3 Max. Occup.: 6

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A		
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327		
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Drop Boxes				

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000		
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	655	Total Trench Length (ft):	218		
Maximum Trench Depth (in):	36	Depth of Media (in):	22	Distribution Device:	Manifold (LPP Distri				

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:

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jacob Presley

Signature: _____

Date Issued: 7/11/2019

Owner/Legal Agent: **Benjamin Hammill**
Print Name

Signature: _____

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Authorized Agent: Jacob Presley

Signature: JRP

Date Issued: 7/11/2019

Owner/Legal Agent: **Benjamin Hammill**
Print Name

Signature: Benjamin Hammill

THIS IS TO CERTIFY THAT ON THE 13TH DAY OF MARCH, 2018 I, SURVEYED THE PROPERT SHOWN ON THIS PLAT, AND THAT THE PROPERTY LINES, AND THE IMPROVEMENTS IF ANY ARE AS SHOWN HEREON.

SIGNED John A. Christian II PROFESIONAL LAND SURVEYOR

JOHN A. CHRISTIAN II
JACK R. CHRISTIAN & ASSOCIATES
7811 OLD CONCORD RD, CHARLOTTE, N.C. 2
PHONE: (704)595-2214

DOGWOODL10B2
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	POWER POLE
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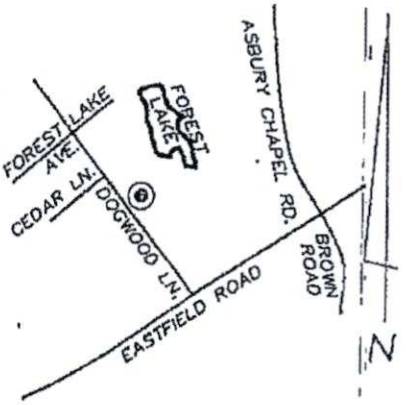
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NORTH CAROLINA PROFESSIONAL SEAL L-4897 LAND SURVEYOR JOHN A. CHRISTIAN II



VICINITY MAP

11106 Dogwood Ln.
PID 019-162-04
File #9711
Permit #30010517
by Jacob Presley
JRP 7-11-19

WILLIAM A. ROWLAND & BETTY J. ROWLAND
D.B. 3453 PAGE 185

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3'x64'

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Type IVa Repair
LPP PPBPS

On-Site Wastewater Improvement Permit Sketch

Improves X

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Septic System Pre-Construction Meeting Checklist

File # 9711 App# 3000105I7 Tax Parcel# 019-162-04

Property Owner: Ben & Lauren Hammill

Job Location Address: 11106 Dogwood Lane

City: Huntersville State: NC Zip Code: 28078

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.

Kim Garrett, REHS — **Authorized Agent**

10/8/19 — **Date**

Kevin Kirkpatrick, Rowan Septic — **Others Present**

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NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

File #: 9711 Permit #: 3000010517 Tax Parcel #: 019·162·04

Property Owner: Benjamin & Lauren Hammill

Job Location Address: 11406 Dogwood Lane

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 10/9/19 Contractor Name: Kevin Kirkpatrick #2607 Rowan Septic

Permitted Design Flow: 360 GPD Liquid Capacity of Dosing Tank: n/a gallons

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufactur. Rowan Effluent Pump Model: n/a

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 328 feet

# of Lines: 4 @ varying feet lengths

Depth of Media: 12 inches (Type) chambers

Depth of Cover: 24 inches

Distribution Device: end caps

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: >10 feet

Distance from Property Line: >10 feet

Distance from Water Supply Source: >10 feet City water line

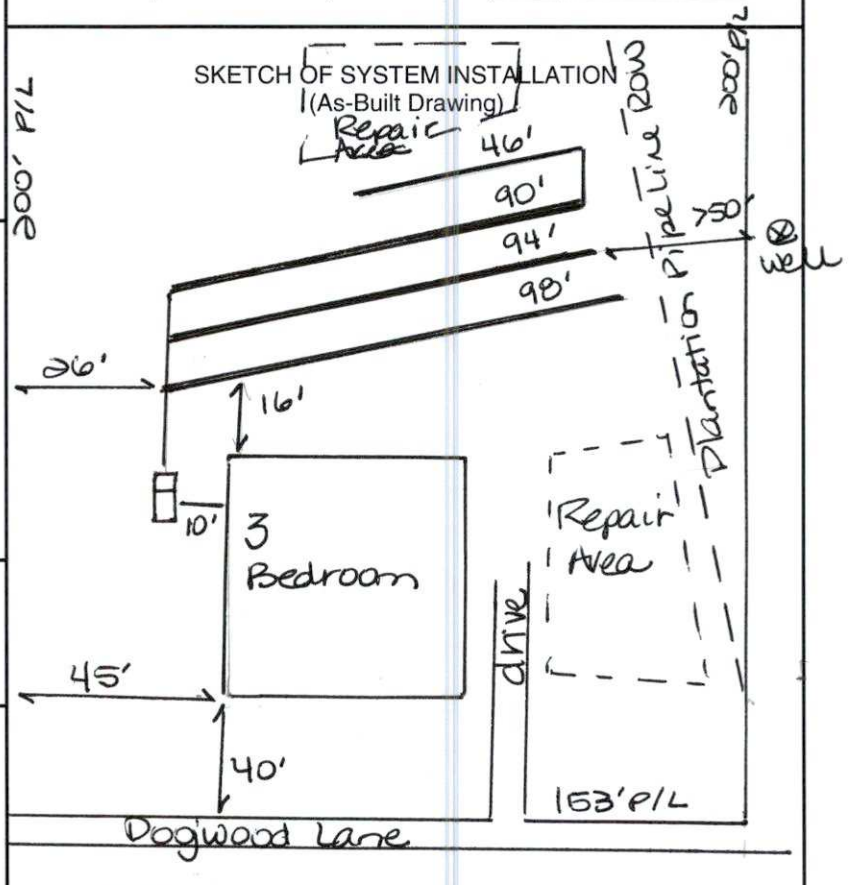
Inspection Dates

Tank(s) Inspected: 10/9/19

Excavation Inspected: 10/9/19

Pump & Controls Inspected: n/a

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: IIIg, gravity, IQ4, n/a, n/a

DENR Authorized Agent: Kimberly Reits Signature: Kimberly Reits

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

File #: 9711 Permit #: 3000010517 Tax Parcel #: 019-162-04

Property Owner: Benjamin & Lauren Hammill

Job Location Address: 11806 Dogwood Lane

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: Kim Garrett, REHS Date: 10/9/19

Signature: Kim Garrett, REHS