Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) 5/27/16 LE Initials/Date

CA ($200.00) 1/20/17 LE Initials/Date

OP ($200.00) 1/20/17 LE 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 [✓] JAM 1-23-17

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

Septic file completed. [✓] JAM 10/19/18 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. [ ] _____

Groundwater & Wastewater Services: Septic Project File & D

GWS File #:	4130A
WASPS App #:	8265
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?	
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 9:47 AM by Michael, Jeremy
Last modified at 7/29/2016 9:47 AM by Michael, Jeremy

Close

4130A 99081B #8265

24 MAY '16 AM 9:43

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: ~~01314446~~ 01314136
STREET ADDRESS: 15601 Hubbard Rd.
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME: —
LOT #: _____ LOT SIZE (acres): 5.25
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: 1600
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 ____ ____ ____ ____

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

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ☒ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ☒ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	☒ YES ○ NO	JURISDICTIONAL WETLANDS	○ YES ☒ NO
WELLS, SPRINGS, OR WATER LINES	☒ YES ○ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ☒ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ☒ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ☒ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ☒ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ☒ NO
WASTE STORAGE	○ YES ☒ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ☒ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____ ☒ UNKNOWN

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

12. PROPERTY OWNER:
NAME: William & Jill Browne
ADDRESS: 15601 Hubbard Rd.
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: 704-609-7622
MOBILE PHONE: 704-654-0378
FAX: _____
E-MAIL: Wmbrowne01@Yahoo.com
Jillmcaldwell85@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
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

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. WMB (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.

_____ 5/23/16

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: _____

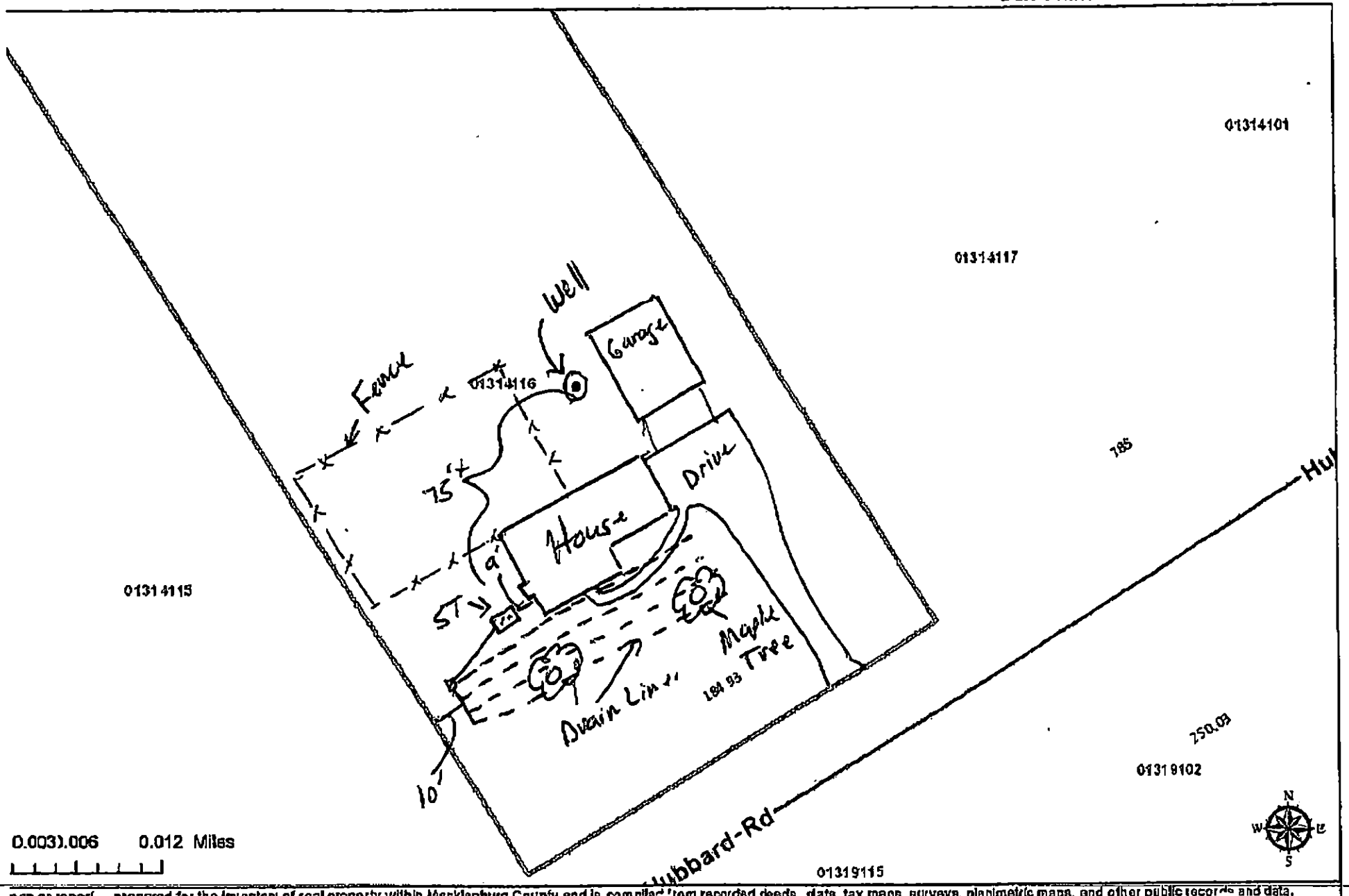
APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

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

Polaris 3G Map – Mecklenburg County, North Carolina
Well & Septic Site Plan for 15601 Hubbard Rd

Date Printed: 3/20/2016 11:26:30 AM



map or report 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 source should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

Page:3/4
From:7049400689
MAY-23-2016 18:22

Payment Receipt

Mecklenburg County POS

Environmental Health
700 N. Tryon Street
Charlotte, NC 28202
Phone: 704-336-5100

Enter Account # or Customer Name Here: RONNIE CALDWELL

Bill To:

RONNIE CALDWELL
108 HOLBROOK ST

Huntersville, NC 28078

Single Payment

Transaction Date: 05/27/2016 9:05 AM Pacific Time
Pay Method: **********8231
Approval #: 010557
Trace Number: 6ccd5dec-09c1-4a66-9d27-f003e926035f
Amount: $250.00

Payment Amount: $250.00

Total: $250.00

Thank you for your payment.

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

Sheet: 1 of 2
Property ID: 013-141-16 (Portion of)
Lot #: NA
File #: 4130A
AppID: 8265

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: William & Jill Browne
Address: 15601 Hubbard Rd, Huntersville, NC 28078
Proposed Facility: 3BR House
Design Flow (.1949): 360 GPD
Location of Site: 15601 Hubbard Rd, 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: owner
Date Evaluated: 6/10/2016
Property Size: 3.25 ac
Property Recorded: Unknown

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	HS 2%	0 - 8	gr/sbk SCL	SS SP FR SEXP	2 chroma at 36"	42	NA	NA		PS IV 0.25	24"
		8 - 18	sbk CL	SS SP FR SEXP							
		18 - 42	sbk SIC	S P FI SEXP							
Boring #2	LS 2%	0 - 8	gr/sbk CL	SS SP FR SEXP	>40"	40	NA	NA		PS IV 0.25	28"
		8 - 30	sbk C	S P FI SEXP							
		30 - 40	sbk SICL	SS SP FR SEXP							
		40	Saprolite								
Boring #3	LS 2%	0 - 6	gr/sbk SCL	SS SP FR SEXP	>45"	45	NA	NA		PS IV 0.275	33"
		6 - 32	sbk C	S P FR SEXP							
		32 - 45	sbk SICL	SS SP FR SEXP							
Boring #4	LS 2%	0 - 15	gr/sbk SCL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.275	36"
		15 - 38	sbk C	S P FR SEXP							
		38 - 48	sbk SICL	SS SP FR SEXP							
Boring #5	LS 2%	0 - 4	gr SCL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.275	36"
		4 - 40	sbk C	S P FR SEXP							
		40 - 48	sbk SICL	SS SP FR SEXP							

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

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS, REHS
Others Present:
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: Jeremy Mitchelone, REHS
Others Present: Billy & Jill Browne

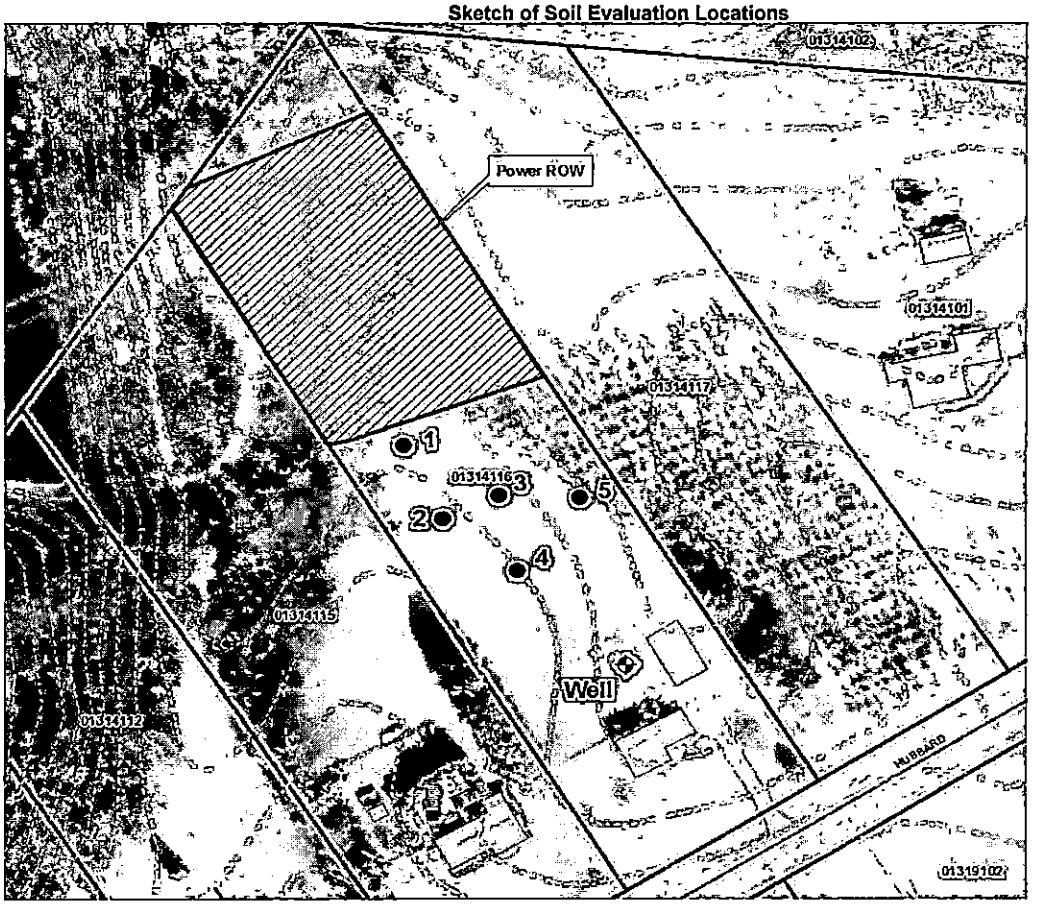
COMMENTS:

Sheet: 2 of 2
File #: 4130A
AppID: 8265

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

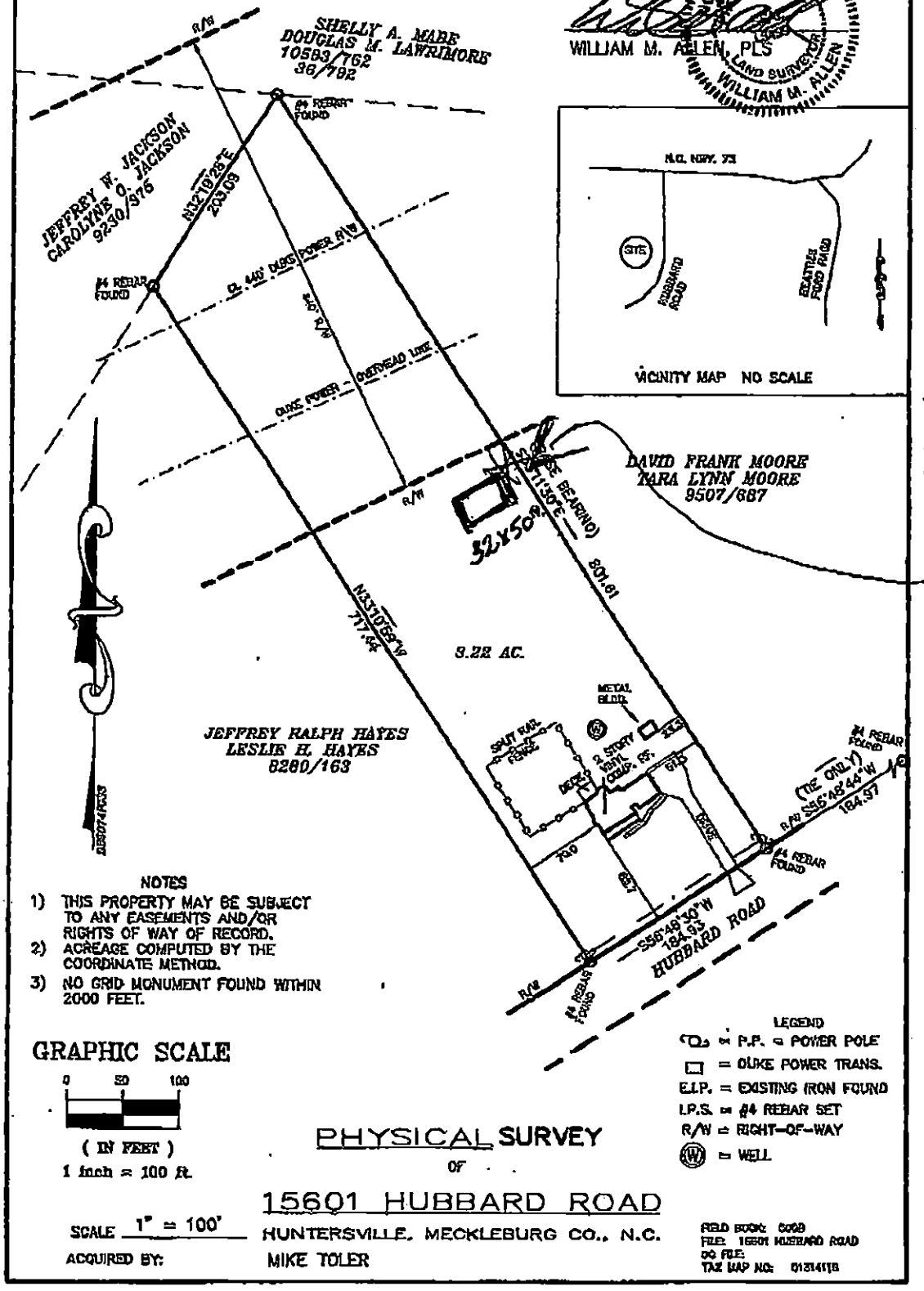
Sketch of Soil Evaluation Locations



DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial • Residential • Mortgage Surveys • Multi-Family
Construction Staking • Subdivision Design • Topographical
111-B Raceway Drive • Mooresville • NC • 28117
(704) 664-7023 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 9074, page 93, and/or plat book _____, page _____, that the ratio of precision is 1':10,000 unless otherwise, this map was prepared in accordance with the General Statutes of North Carolina. Witness my hand and seal on the 11 day of DECEMBER, A.D. 20__

WILLIAM M. ALLEN, PLS



Proposed site for future homesite to be built

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE COORDINATE METHOD.
3) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

GRAPHIC SCALE
0 50 100
(IN FEET)
1 inch = 100 ft.

LEGEND
P.P. = POWER POLE
= DUKE POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
W = WELL

PHYSICAL SURVEY
OF
15601 HUBBARD ROAD
HUNTERSVILLE, MECKLEBURG CO., N.C.

SCALE 1" = 100'
ACQUIRED BY: MIKE TOLER

FIELD BOOK: 0008
FILE: 15601 HUBBARD ROAD
DG FILE:
TAX MAP NO: 01314118

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 #: 30008265 GWS File #: 4130A Tax Parcel #: 013-141-16

- 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):** 7/26/2021

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

Structure Type: MODULAR HOME Size (ft^2): 1600 # Bedrooms: 3 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	28	Depth of Media (in):	12	Distribution Device:	Distribution Box		

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

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	28	Depth of Media (in):	12	Distribution Device:	Distribution Box		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the 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

Signature: Jeremy Michelone REHS

Date Issued: 7/26/2016

Owner/Legal Agent: William Browne / Jill Browne
Print Name

Signature: Jill Browne

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 #: 30008265 GWS File #: 4130A

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.

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

Signature: [signature]

Date Issued: 7/26/2016

Owner/Legal Agent: William Browne / Jill Browne
Print Name

Signature: [signature]

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30008265 GWS File #: ~~4130A~~ 9908B Tax Parcel #: ~~013-141-16~~ 08314136

- 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):** 7/26/2021

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

Structure Type: MODULAR HOME Size (ft^2): 1600 # Bedrooms: 3 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	28	Depth of Media (in):	12	Distribution Device:	Distribution Box		

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

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	28	Depth of Media (in):	12	Distribution Device:	Distribution Box		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the 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 Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 7/26/2016

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 #: **30008265** GWS File #: **4130A**

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.

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

Signature: _____

Date Issued: 7/26/2016

Owner/Legal Agent: _____
Print Name

Signature: _____

S

FEE: 200.00
DATE:1/23/2017

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: ~~4130A~~ 9908B

PERMIT NUMBER: 30008265

PARCEL NUMBER: ~~01314416~~ 01314136

JOB LOCATION INFORMATION

ADDRESS: ~~15601 HUBBARD RD~~ 15605 Hubbard Rd

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

ISSUED TO: WILLIAM & JILL BROWNE

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 1/23/2017

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30008265, 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.

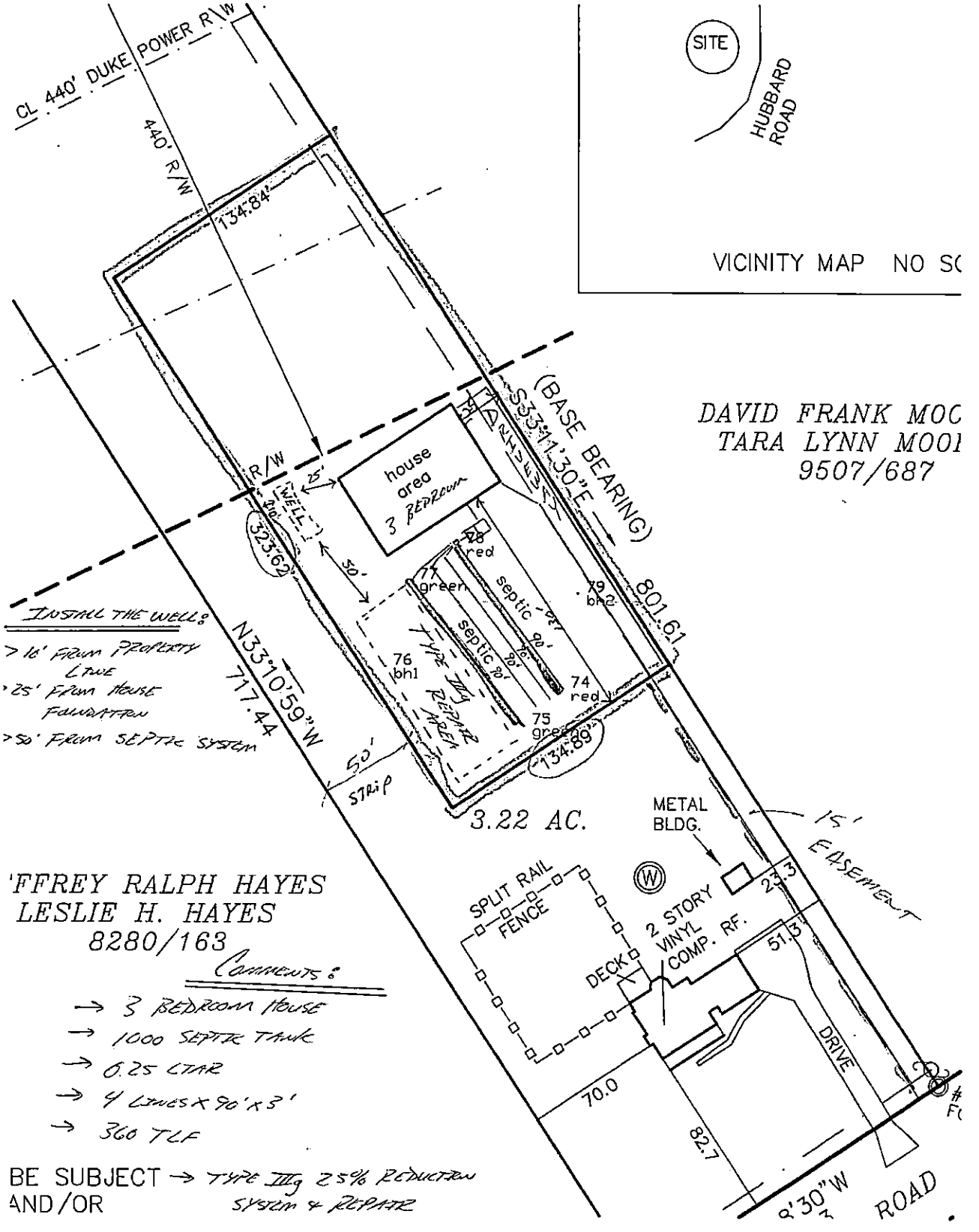


15601 HUBBARD ROAD

FILE # 4136A

PARCEL # 013-141-16

PERMIT # 8265



JEFFREY RALPH HAYES
LESLIE H. HAYES
8280/163

Comments:

- → 3 BEDROOM HOUSE
- → 1000 SEPTIC TANK
- → 0.25 CTAR
- → 4 LINES X 90' X 3'
- → 360 TLF

BE SUBJECT → TYPE IIIg 25% REDUCTION
AND/OR SYSTEM & REPAIR

Jerry McA. REHS 7/26/16

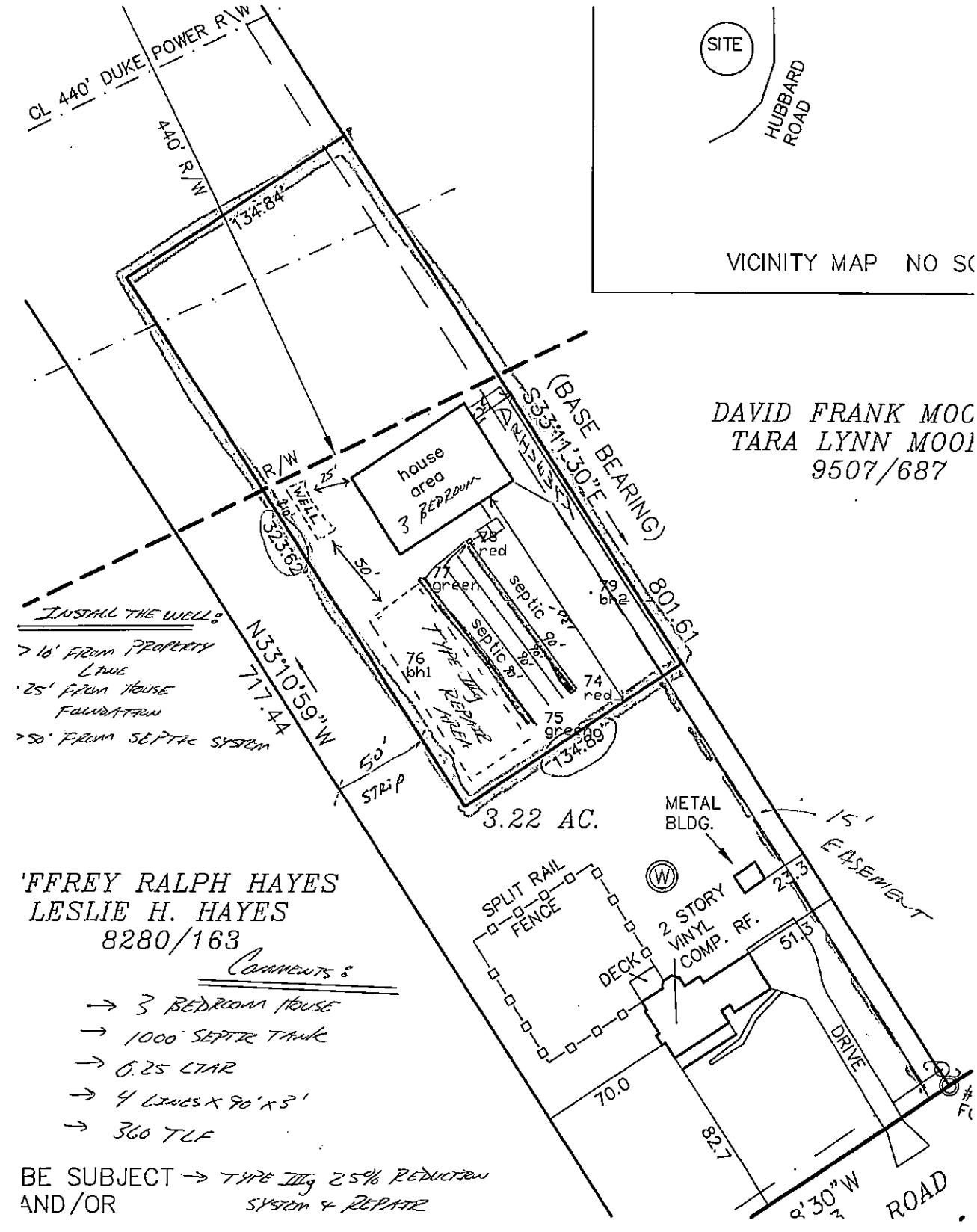
X Signature

15601 HUBBARD ROAD

FILE # 4130A

PARCEL # 013-141-16

PERMIT # 8265



'FFREY RALPH HAYES
LESLIE H. HAYES
8280/163

Comments:

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- → 360 TLF

BE SUBJECT → TYPE IIIg 25% REDUCTION SYSTEM & REPAIR AND/OR

Larry McA. REHS 7/26/16

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/27/16	**Amount:**	250.00
Receipt #:	100592	**Tendered:**	250.00
Check / Auth #:	MC 010557	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: 200000
Contractor: CALDWELL,RONNIE
Attn:
Address: 108 HOLBROOK ST
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 15601 HUBBARD RD		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:	01/20/17	**Amount:**	200.00
Receipt #:	103379	**Tendered:**	200.00
Check / Auth #:	CHECK 4486	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: 200000
Contractor: CALDWELL,JOE
Attn:
Address: 108 HOLBROOK ST
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 15601 HUBBARD RD		1	200.00	200.00

15605

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
10.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	01/20/17	**Amount:**	200.00
Receipt #:	103380	**Tendered:**	200.00
Check / Auth #:	CHECK 4486	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #:	200000
Contractor:	CALDWELL,JOE
Attn:	
Address:	108 HOLBROOK STREET
Address:	
City/State/Zip:	HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 15601 HUBBARD RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
10.00					

No SIM
5:24 PM
hbshome.com
29%

Square Feet	Bedrooms	Bathrooms	Floors	Dimensional Area	View/Print Plan
1,663	3	2	1	54' x 37'6"	Contact Us

About This Plan

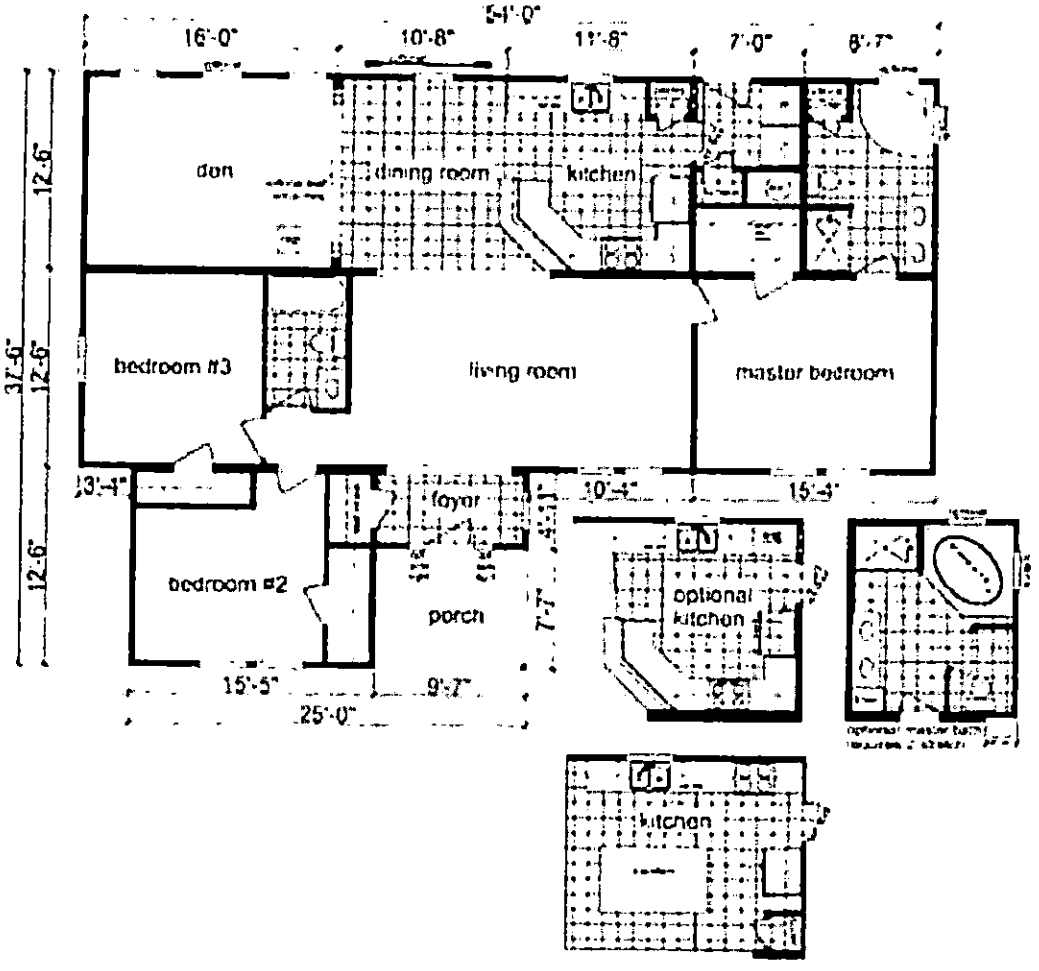


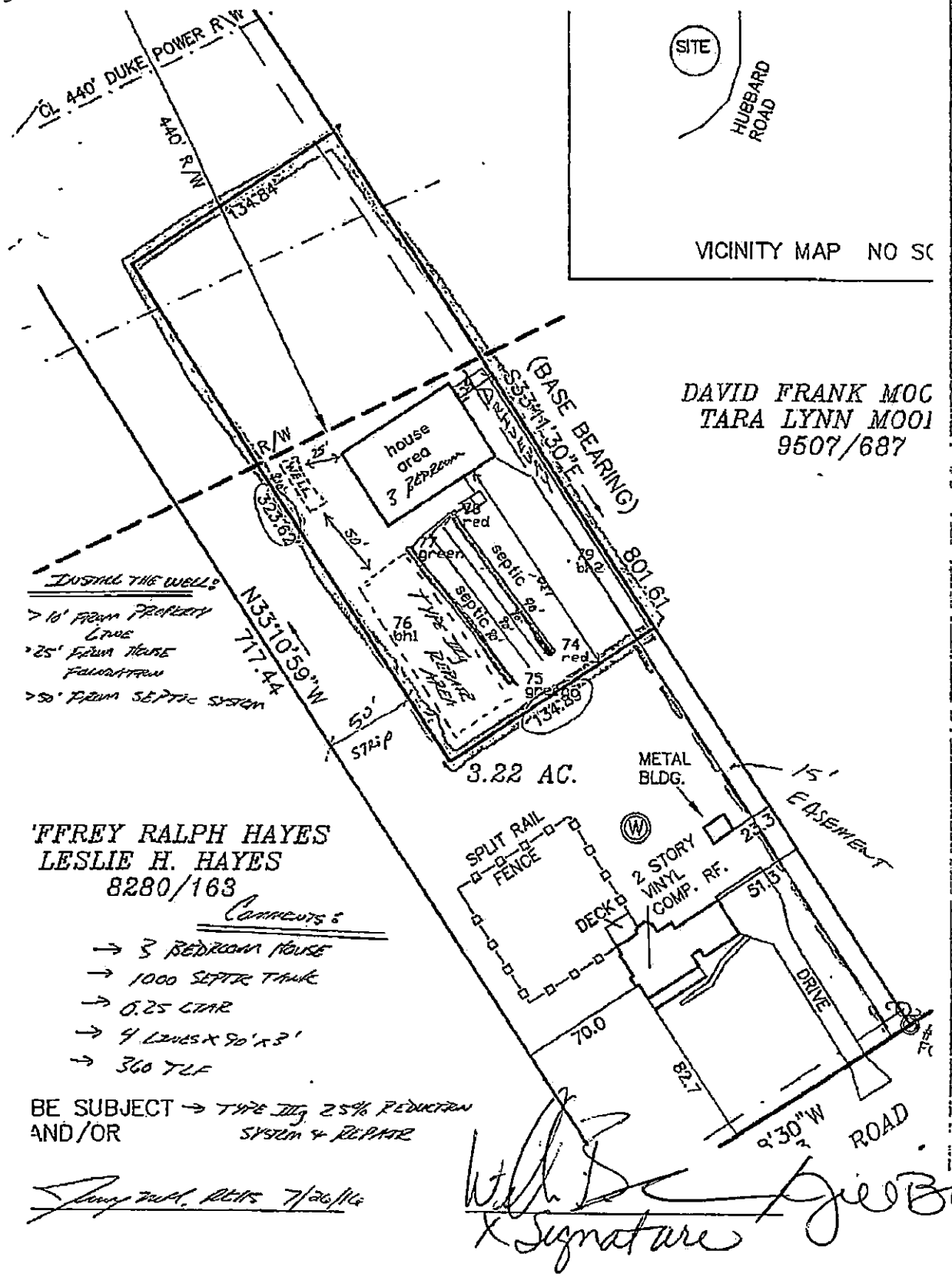
Image 2 of 2

15601 HUBBARD ROAD

FILE # 4136A

PARCEL # 013-141-16

PERMIT # 8265



JEFFREY RALPH HAYES
LESLIE H. HAYES
8280/163

Comments:

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BE SUBJECT → TYPE IIIg 25% REDUCTION
AND/OR SYSTEM & REPAIR

Jerry Burk, REHS 7/26/16

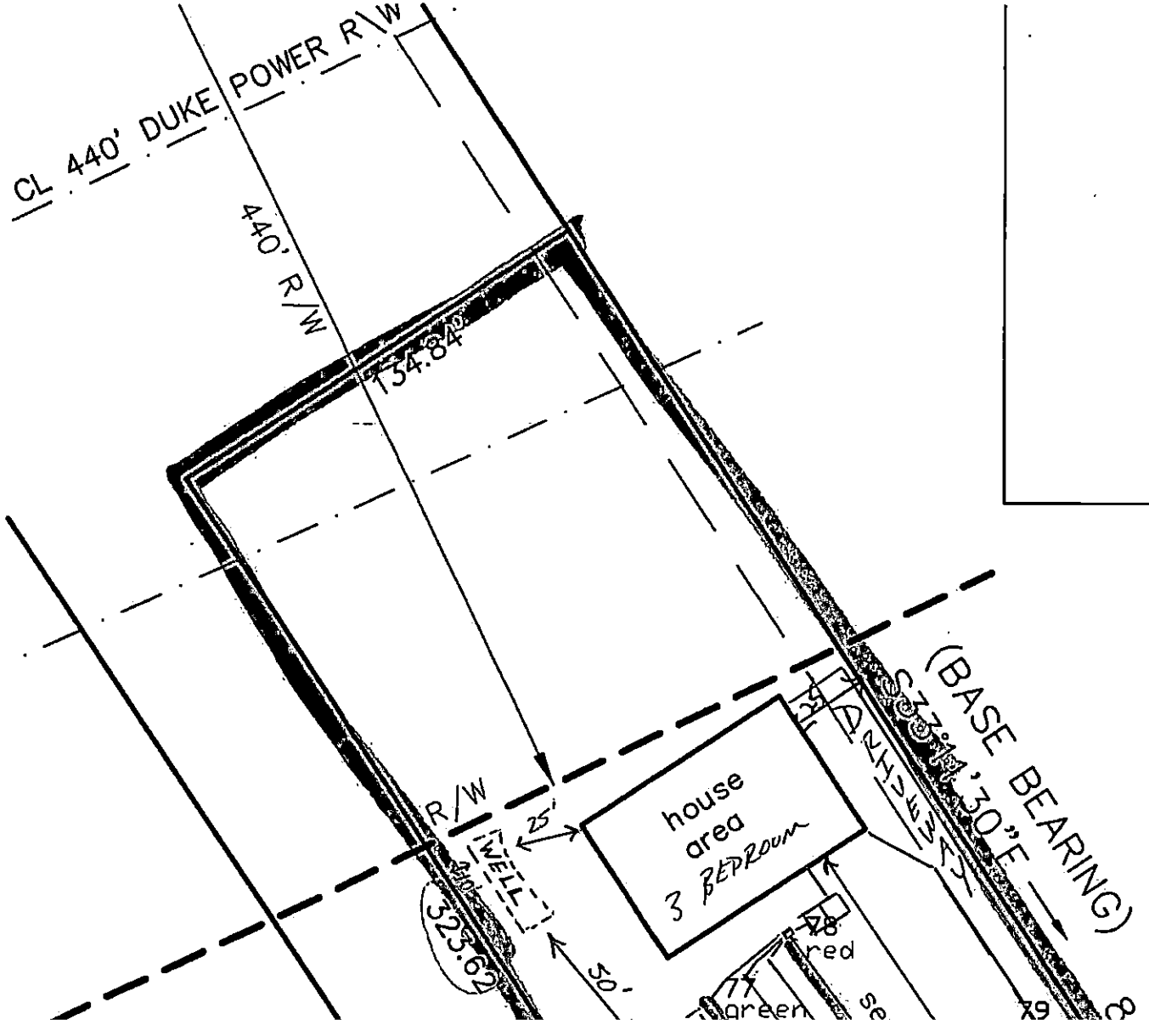
Jill Browne
Signature

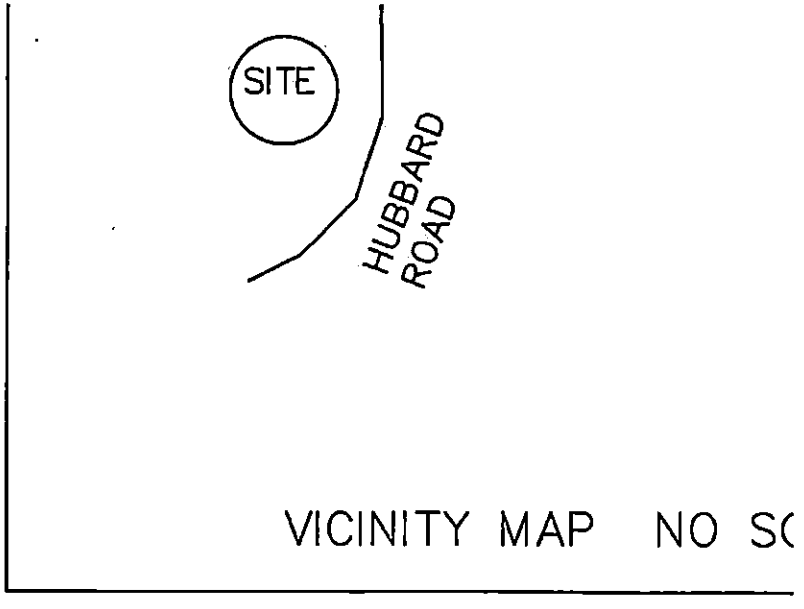
15601 HUBBARD ROAD

FILE # 4130A

PARCEL # 013-141-16

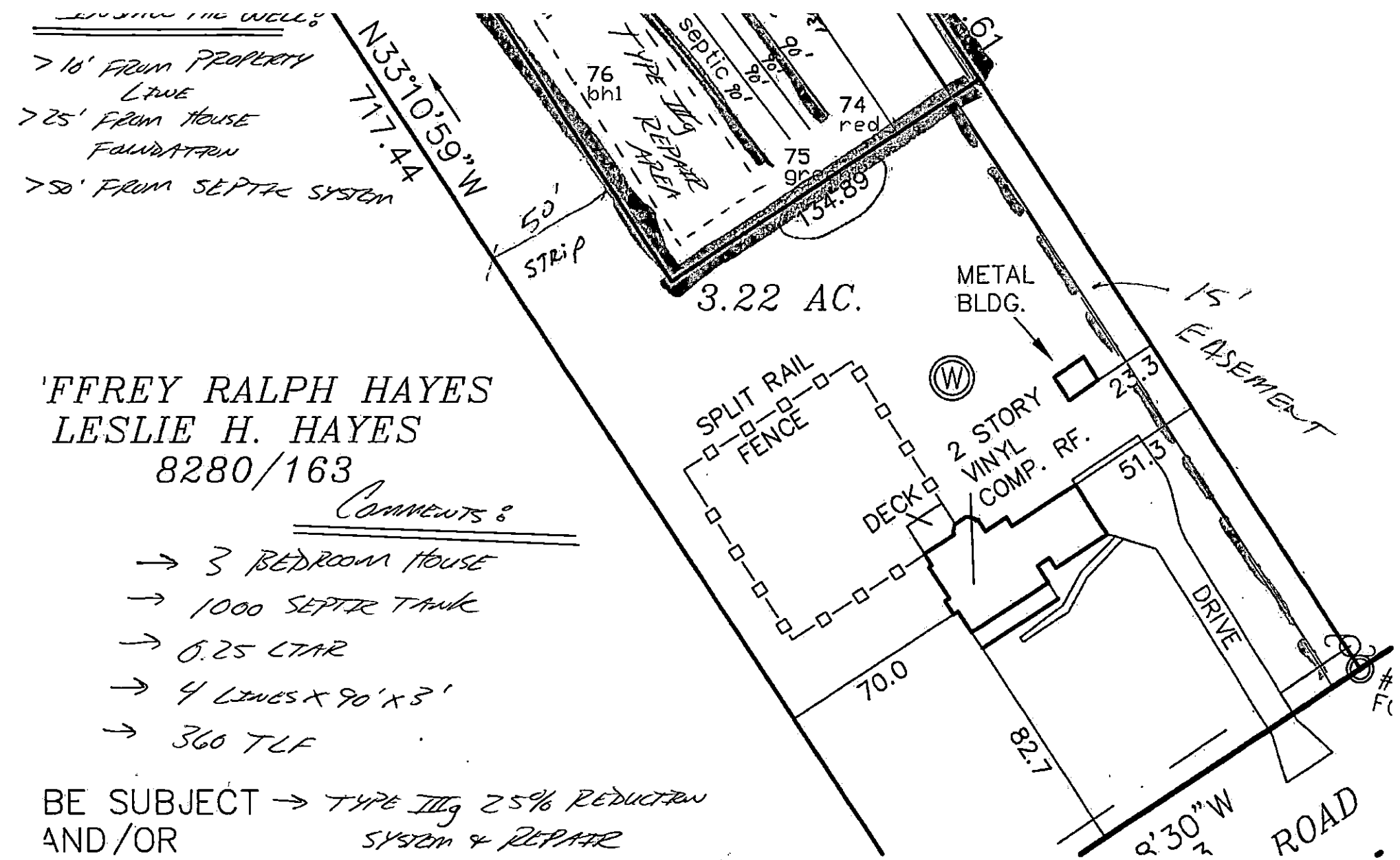
PERMIT # 8265





VICINITY MAP NO SC

DAVID FRANK MOC
TARA LYNN MOOI
9507/687



'FFREY RALPH HAYES
LESLIE H. HAYES
8280/163

Comments:

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→ 360 TLF

BE SUBJECT → TYPE IIIg 25% REDUCTION SYSTEM & REPAIR
AND/OR

Jerry Mc. Pitts 7/26/11e

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211, Charlotte, NC 28202
Phone: (980) 314-1680 • 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 #: 99088 Permit #: 8265 Tax Parcel #: 013-141-36

Property Owner: William & Jill Browne

Job Location Address: 15605 Hubbard Road

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 10/15/18 **Contractor Name:** Arlington Carolina

Permitted Design Flow: 360 GPD Liquid Capacity of Dosing Tank: — gallons

Liquid Capacity of Septic Tank: 1000 gallons Manufacture Dellinger Effluent Pump Model: —

Drainfield Installation ☐ N/A

Trench Depth: 18 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 360 feet

# of Lines: 6 @ 60 feet

Depth of Media: 12 inches (Type) IQ4W

Depth of Cover: 18 inches

Distribution Device: D-box

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: 45' feet

Distance from Water Supply Source: >10' feet

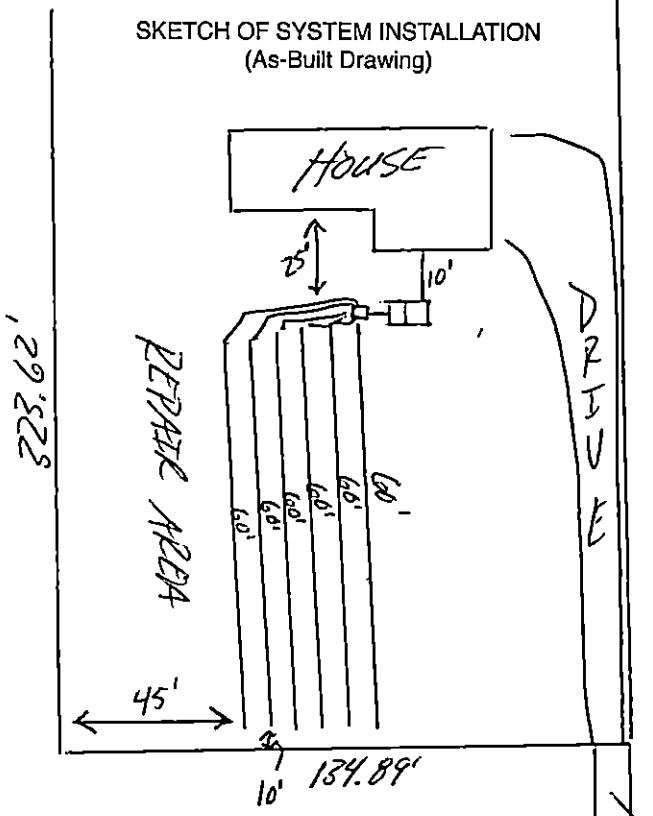
Inspection Dates

Tank(s) Inspected: 10/15/18

Excavation Inspected: 10/15/18

Pump & Controls Inspected: —

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



15' EASEMENT

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 operated 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, IQ4W, County, NA, NA

THE HOUSE WAS NOT PLACED WHERE PERMITTED

DENR Authorized Agent: Jeremy Mecklenburg Wells Signature: Jeremy Meck. Wells

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (980) 314-1660 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 #: 99088 Permit #: 8265 Tax Parcel #: 013-141-56

Property Owner: William + Jill Browne

Job Location Address: 15605 Hubbard Road

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: Jeremy Mechelle Roberts Date: 10/15/18

Signature: Jeremy Mechelle Roberts

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

Septic System Pre-Construction Meeting Checklist

File # 9908B App # 8265 Tax Parcel # 013-141-36

Property Owner: William & Jill Browne

Job Location Address: 15605 Hubbard Road

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: THE HOUSE WAS MOVED FORWARD AT LEAST 40' FROM WHERE PERMITTED

* 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.**

Authorized Agent — Date: 9/4/18

Others Present