IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 238940

SEPTIC IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4724049486.000

APPLICANT/OWNER: Eric C. Hartness APPLICANT ADDRESS: 731 Central Drive Statesville NC 28677.

SITE ADDRESS: 221 Brandy Lane, Statesville NC 28677. PHONE: 704-450-6751 ALT. PHONE 704-498-6492.

SITE DIRECTIONS: Hwy 70 to Westminster Drive Left on Brandy Lane Go to End on left

SUBDIVISION: ~ SECTION: ~ LOT # ~ LOT AREA: 52.960 Acres. SAP CONTROLLED: ☐ YES ☒ NO

DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000	(gal)	STB	760	Date	9-2-19	☒ New System	☐ Repair	☐ Expansion
Pump Tank		(gal)	PT		Date		System Type: I II (III) IV V VI		
Pump Make			Model		Serial #		System Description:	Gravity 25% Reduction	
# Nitrification Fields	1		# Lines	4	Linear Ft	400	Repair System Description:	Gravity 25% Reduction	
Trench Width	36.		Trench Bottom Depth(Low side)	32	Gravel Depth	~	Maintenance Agreement Required:	☐ YES	☒ NO
								☒ GRAVITY	☐ PRESSURE

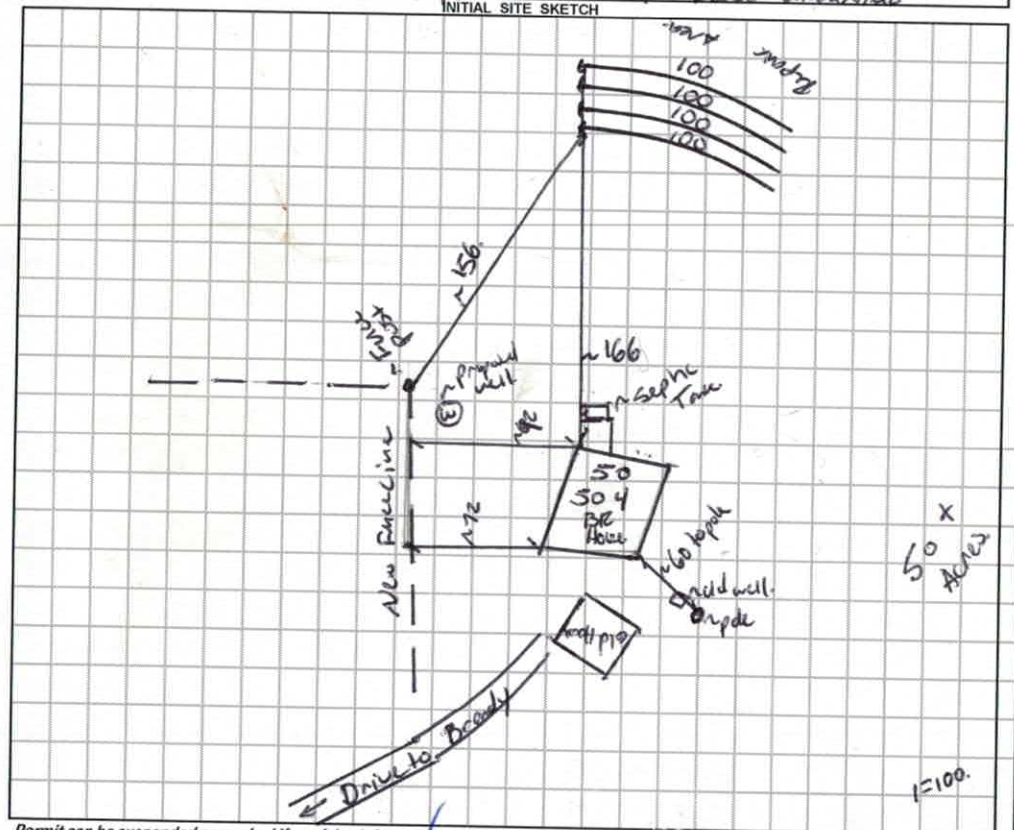
☒ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☐ Slab ☐ Crawl Space
☒ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install Septic drainlines on the contour of the land and utilize serial distribution. Do not drive, pave, pave grade or buy utilities in drainfield area. Repair Area located Below drainfield.

* New Floorplans Submitted 6/13/19. 43x52 with Porch O.K. A/C Date changed.

INITIAL SITE SKETCH



AS BUILT SKETCH

Installed as Drawn

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Eric Hartness Date: 11/27/18 Installed by: Lentz Wastewater

IMPROVEMENT PERMIT by: Benjamin A Bolton Date: 11/15/18 OPERATION PERMIT by: Date: 3-11-2020

AUTHORIZATION TO CONSTRUCT by: Benjamin A Bolton Date: 6/14/19. Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4172400[illegible]
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Hughes
ADDRESS: 731 Central Drive Sc
PROPOSED FACILITY: 4BR Home
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 221 Brandy Lane
APPLICATION DATE 9/13/18.
DATE EVALUATED: 10/31/18
PROPERTY SIZE: 5.07 Acres
PROPERTY RECORDED: Yes

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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LSS shoulder 8%	0-7	SCL SBK	SSSP FRSEX	2.5YR4/6	55		Some Gravel e 30" Throughout	PS .3
		7-34	C SBK	SSSP FR					
		34-55	CL WSBK	SSSPVFR					
2	shoulder LSS. 12%	0-6	SCL Rocky	SS SP FR SEX	2.5YR4/6	52			PS .3.
		6-30	C SBK	SS SP FR					
		30-52.	CL WSBK	SS SP FR					
3	Shoulder LSS 12%	0-10	SCL Rocky Friable	SSSP FRSEX	2.5YR4/6	58		Heavy Mica	PS .3
		10-30	C SBK	SSSP FRSEX					
		30-58	CL WSBK	SSP FR SEX					
4	Shoulder 12%	0-8	SCL Rocky	SS SP FR SEX	2.5YR4/6	55			PS .3.
		8-33.	C SBK	SS SP FR					
		33-55	CL WSBK	SS SP FR					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 C.f.	400 C.f.
System Type(s)	Gravity 25%	Gravity 25%
Site LTAR	.3	.3

OTHER FACTORS (.1946): ~
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bethels
OTHER(S) PRESENT:

COMMENTS: Beaumont Plumbing / 10+ Mtn Slope.

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

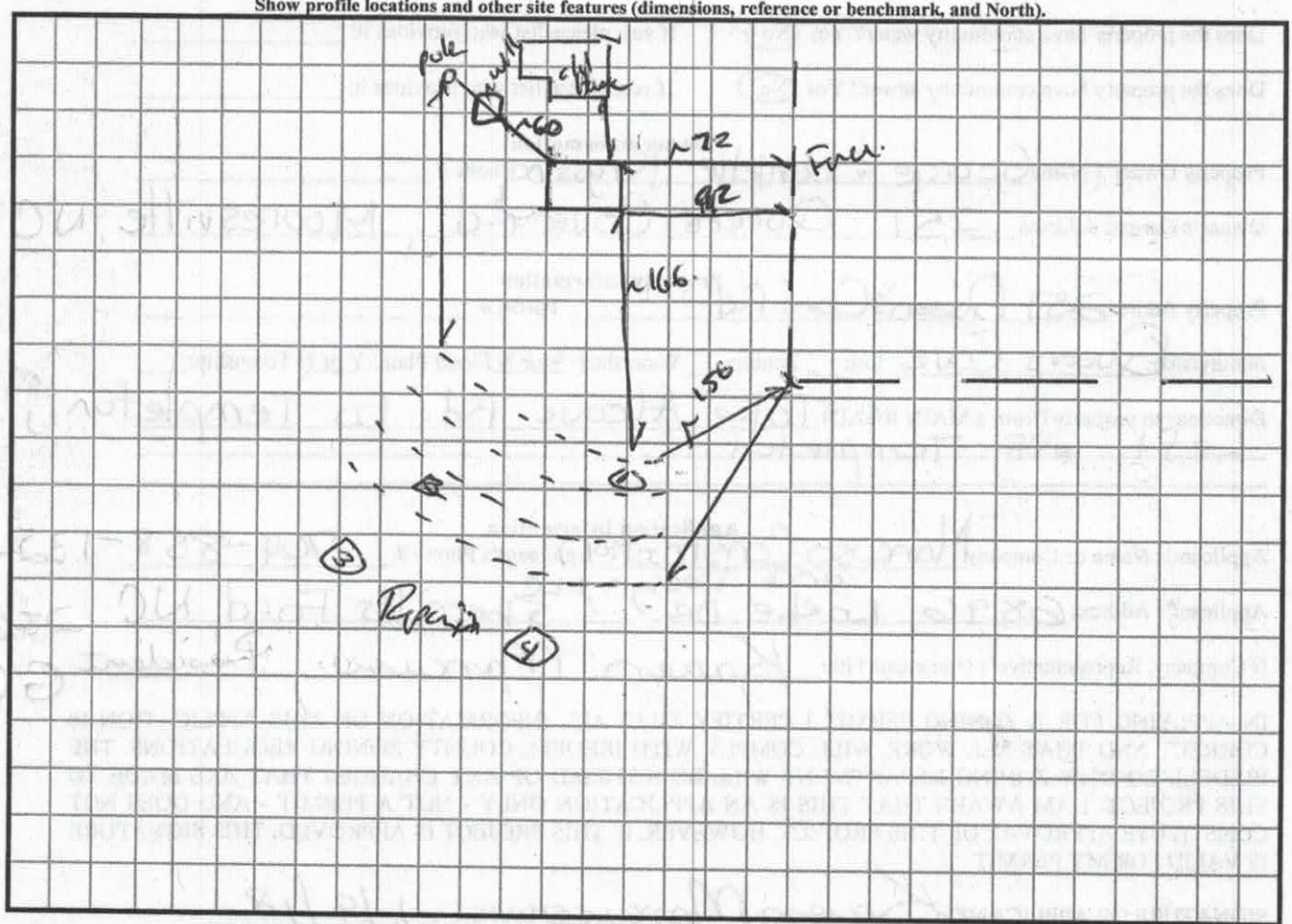
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



Please CALL prior to inspection

Name: Eric

Number: 704-450-6751

RECEIVED OCT 3 - 2018

Paid $500.00 # 238940

LTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

PAGE 1: *APPLICATION FORM*

Application For: (✓) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (X) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Eric C. Hartness Address: ~~731 Central Dr. Statesville, NC~~ 221 Brandy Ln. Statesville, NC, Zip: 28677

Applicant Email: erichartness@rocketmail.com Phone: (704)450-6751 Alt. Phone: (704)498-1492

Owner Name: Eric C. Hartness Address: 731 Central Dr. Statesville NC Zip: 28677

Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 221 Brandy Ln, Statesville, NC 28677

Subdivision Name: _____ Section/Phase: _____ Lot Number: _____

Driving Directions: from Hwy 70 turn on to Westminister Dr. then an immediate left on to Brandy Ln. drive to the end of Brandy Ln to an Old farm Hou

Site Development Information: *(check or complete ALL that apply*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 4
( ) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(✓) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

(✓) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: _____
(✓) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

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.

Signature: Eric C Hartness 09-13-18

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

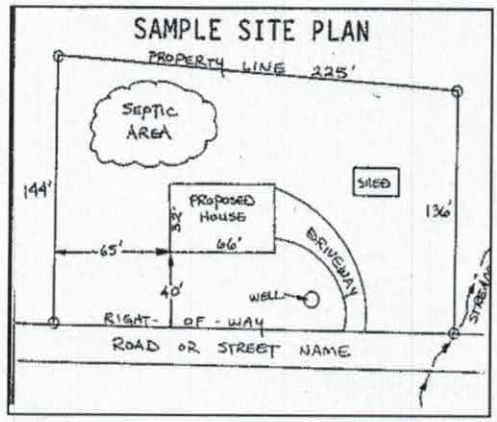
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WELL PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- **( ) Property Line measurements are clearly identified**
- **( ) All proposed structures are indicated**
- **( ) Front and side setbacks from property line**
- **( ) Preferred driveway location**
- **( ) Preferred well location**
- **( ) Preferred septic system location**
- **( ) North arrow, or other sufficient indicator of direction**

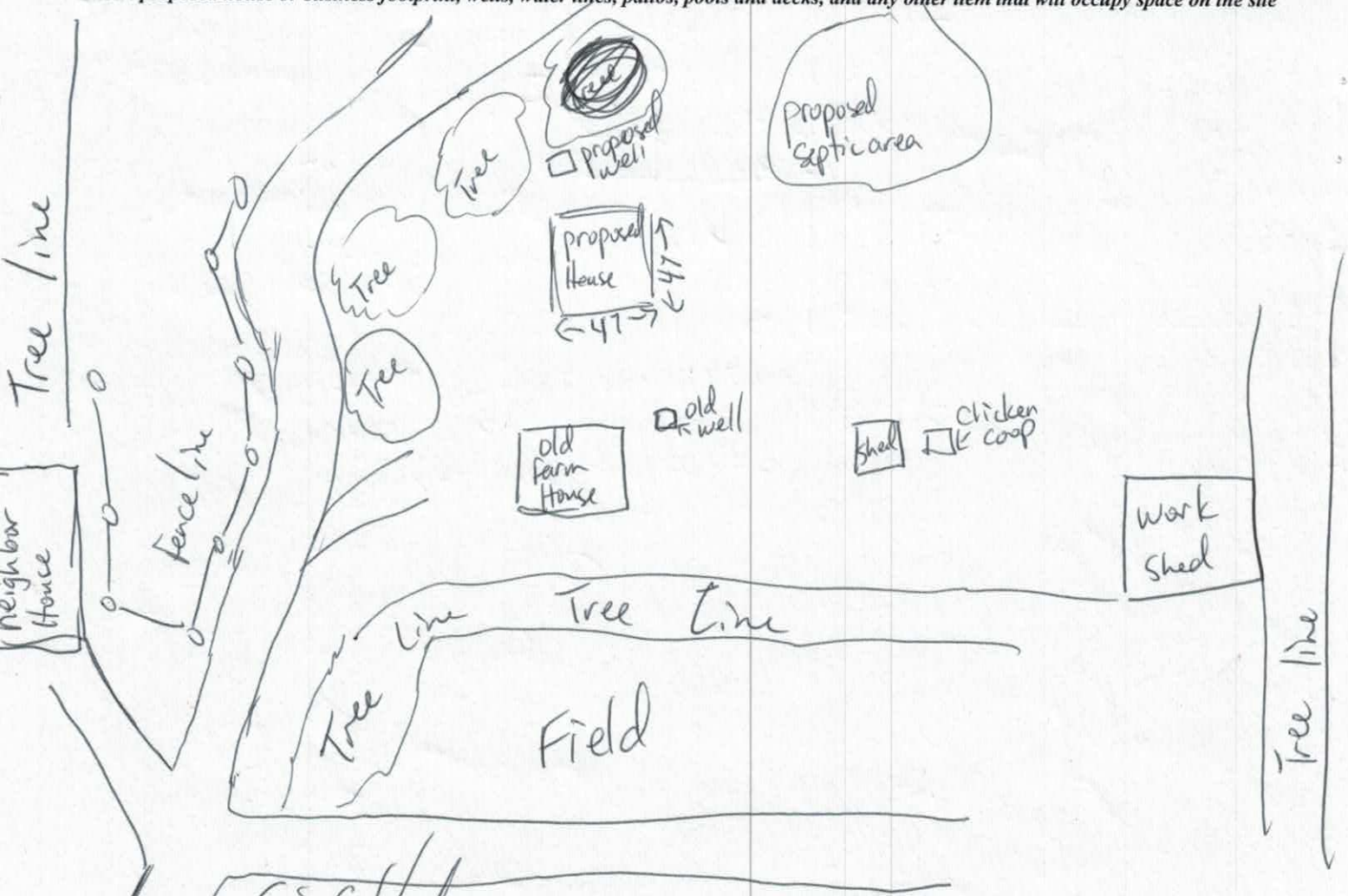


Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	**N/A**
Location of easements and rights of ways on your property	**N/A**
Location of any designated wetlands on the property	**N/A**

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

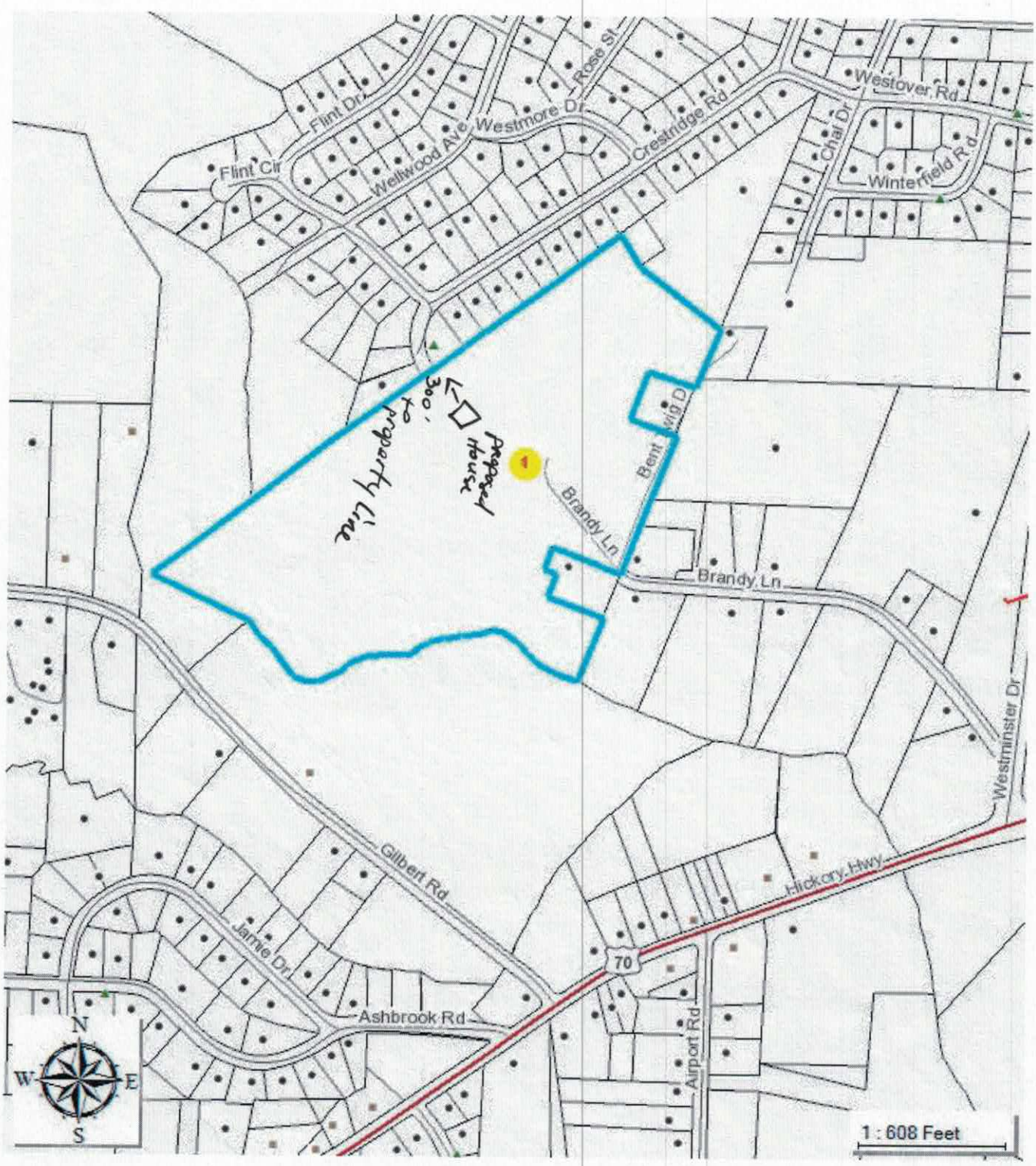


Signature: Eric Clift

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

09-13-18

DATE


Flint Dr
Flint Cir
Wellwood Ave
Westmore Dr
Rose St
Crestridge Rd
Westover Rd
Chal Dr
Winterfield Rd
Bent Twig Dr
Brandy Ln
Brandy Ln
Westminster Dr
Gilbert Rd
Jamie Dr
Ashbrook Rd
Hickory Hwy
70
Airport Rd
1
N
W
E
S
1 : 608 Feet

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☑ **1. * APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) Eric C. Hart

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative: *Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship*

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form. If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

☐ **2.** I, _____, am the legal owner(s) of the property located at _____, identified as PIN (Parcel Identification Number) _____, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**)

_____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

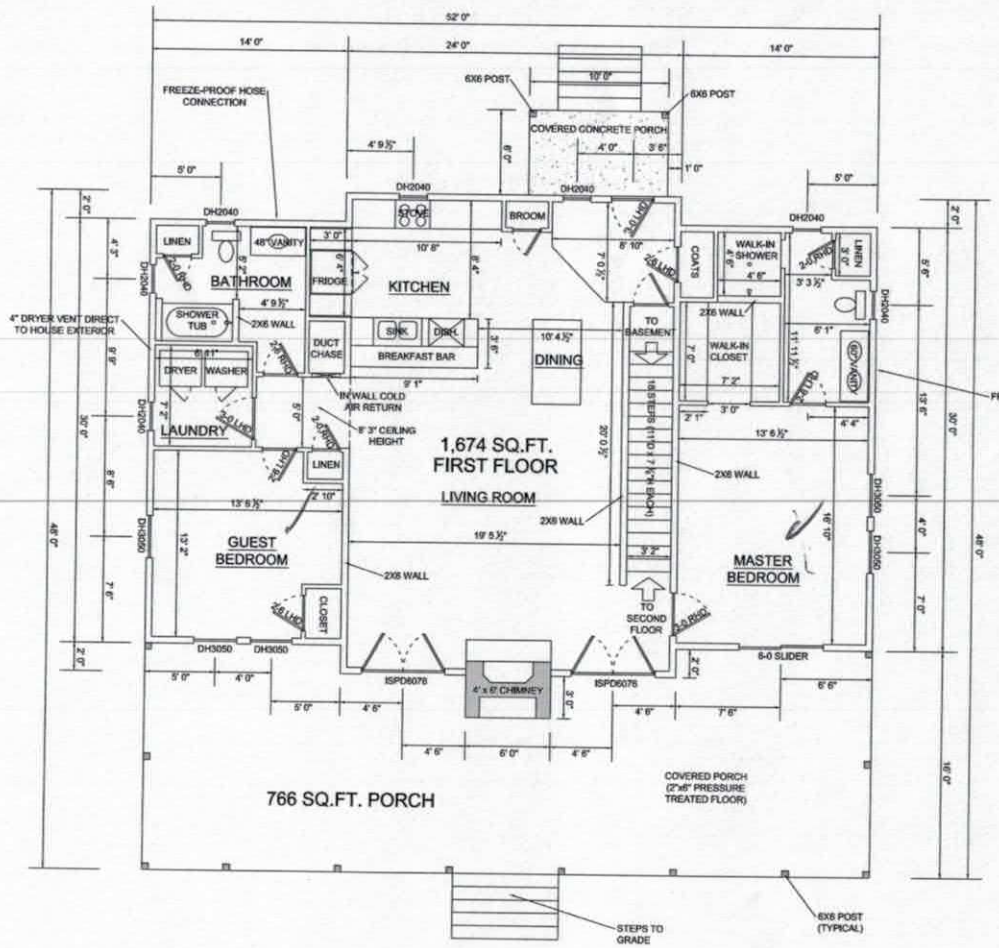
Eric C. Hart
_____
Signature of Owner(s)

09-13-18
Date

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

nowledgement Of
's Submittal ONLY!
Eric C Hart Date 06-13-19
Bryan Hall Date 6/14/19



NOTES:

1. EXACT LOCATION AND SIZING OF FURNACE UNIT, ROUTING AND SIZING OF DUCT WORK, AND HVAC CONTROL UNIT TO BE SPECIFIED BY QUALIFIED HVAC CONTRACTOR.
2. WATER HEATER(S) TO BE LOCATED IN THE BASEMENT. EXACT LOCATION OF UNITS, ROUTING AND SIZING OF PLUMBING TO BE SPECIFIED BY QUALIFIED PLUMBING CONTRACTOR.
3. LOCATION OF ELECTRICAL OUTLETS AND SWITCHES TO BE SELECTED BY OWNER IN COORDINATION WITH QUALIFIED ELECTRICIAN.

FIRST FLOOR PLAN
¼ INCH = 1 FOOT

DISCLAIMER:

THESE PLANS WERE NOT PREPARED BY A LICENSED ARCHITECT. THE FOOTERS AND STRUCTURAL DESIGN OF THE HOUSE HAVE NOT BEEN CHECKED AGAINST CURRENT CODE REQUIREMENTS OR SITE SOIL CONDITIONS. OWNERS ARE RESPONSIBLE FOR CONTACTING A QUALIFIED PROFESSIONAL FOR DETAILED DESIGN OF THE FOOTERS, BASEMENT WALLS, FRAMING, FLOOR TRUSSES, AND ROOF TRUSSES.

#	REVISIONS	DATE
1	FOR OWNER REVIEW	06/06/2019

PRELIMINARY HOUSE PLANS
FOR
ERIC C. & SARAH H. HARTNESS
TAX PARCEL ID: 473444.4468.000
221 BRANDY LANE
IREDELL COUNTY, NORTH CAROLINA

SHEET NAME
FIRST FLOOR PLAN
SHEET NUMBER
2 OF 9

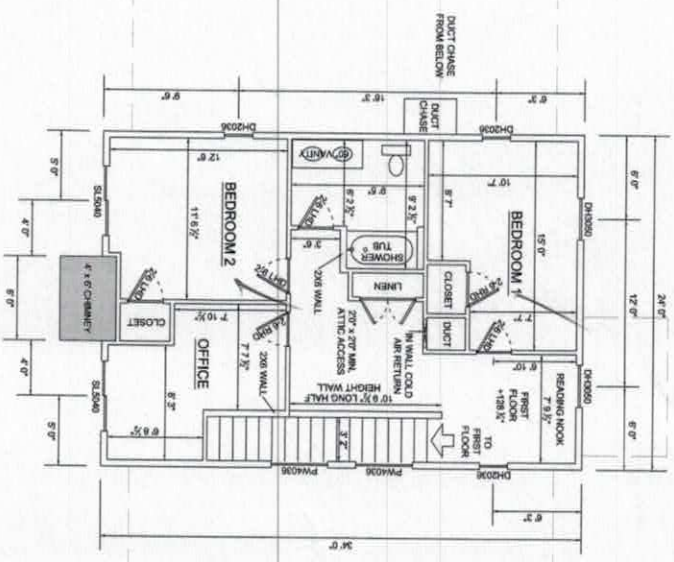
Acknowledgement Of
Plans Submittal ONLY!

Eric C. Hartness Date 06-13-19

Benjamin A. Rice Date 6/14/19

NOTES:

1. EXACT LOCATION AND SIZING OF FURNACE UNIT, ROUTING AND SIZING OF DUCTWORK AND HVAC CONTROL UNIT TO BE SPECIFIED BY QUALIFIED HVAC CONTRACTOR.
2. WATER HEATER(S) TO BE LOCATED IN THE BASEMENT. EXACT LOCATION OF UNITS, ROUTING AND SIZING OF PLUMBING TO BE SPECIFIED BY QUALIFIED PLUMBING CONTRACTOR.
3. LOCATION OF ELECTRICAL OUTLETS AND SWITCHES TO BE SELECTED BY OWNER IN COORDINATION WITH QUALIFIED ELECTRICIAN.



SECOND FLOOR PLAN

¼ INCH = 1 FOOT

DISCLAIMER:

THESE PLANS WERE NOT PREPARED BY A LICENSED ARCHITECT. THE FOOTERS AND STRUCTURAL DESIGN OF THE HOUSE HAVE NOT BEEN CHECKED AGAINST CURRENT CODE REQUIREMENTS OR SITE SOIL CONDITIONS. OWNER/BUILDER IS RESPONSIBLE FOR CONTRACTING A QUALIFIED PROFESSIONAL FOR CONTROLLED DESIGN OF THE FOOTERS, BASEMENT WALLS, FRAMING, FLOOR TRUSSES, AND ROOF TRUSSES.

SHEET NUMBER: 3 OF 9	SHEET NAME: SECOND FLOOR PLAN			PRELIMINARY HOUSE PLANS FOR ERIC C. & SARAH H. HARTNESS TAX PARCEL ID: 4724-04-9486.000 221 BRANDY LANE IREDELL COUNTY, NORTH CAROLINA	# / REVISIONS / DATE: 1 FOR OWNER REVIEW 06/05/2019

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
238940
Issue Date: 09/18/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4724144453.000	221 BRANDY LANE, STATESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: HARTNESS ERIC C+SARAH E	Applicant: HARTNESS ERIC C+SARAH
Address: 2611	Address: 731 CENTRAL DR
IREDELL CO, NC 28625	STATESVILLE, NC 28677
Phone:	Phone:

Use Requested	Zone Code
SFD	R20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
52.960	35.00	35.00	15.00	15.00	NOT	AE

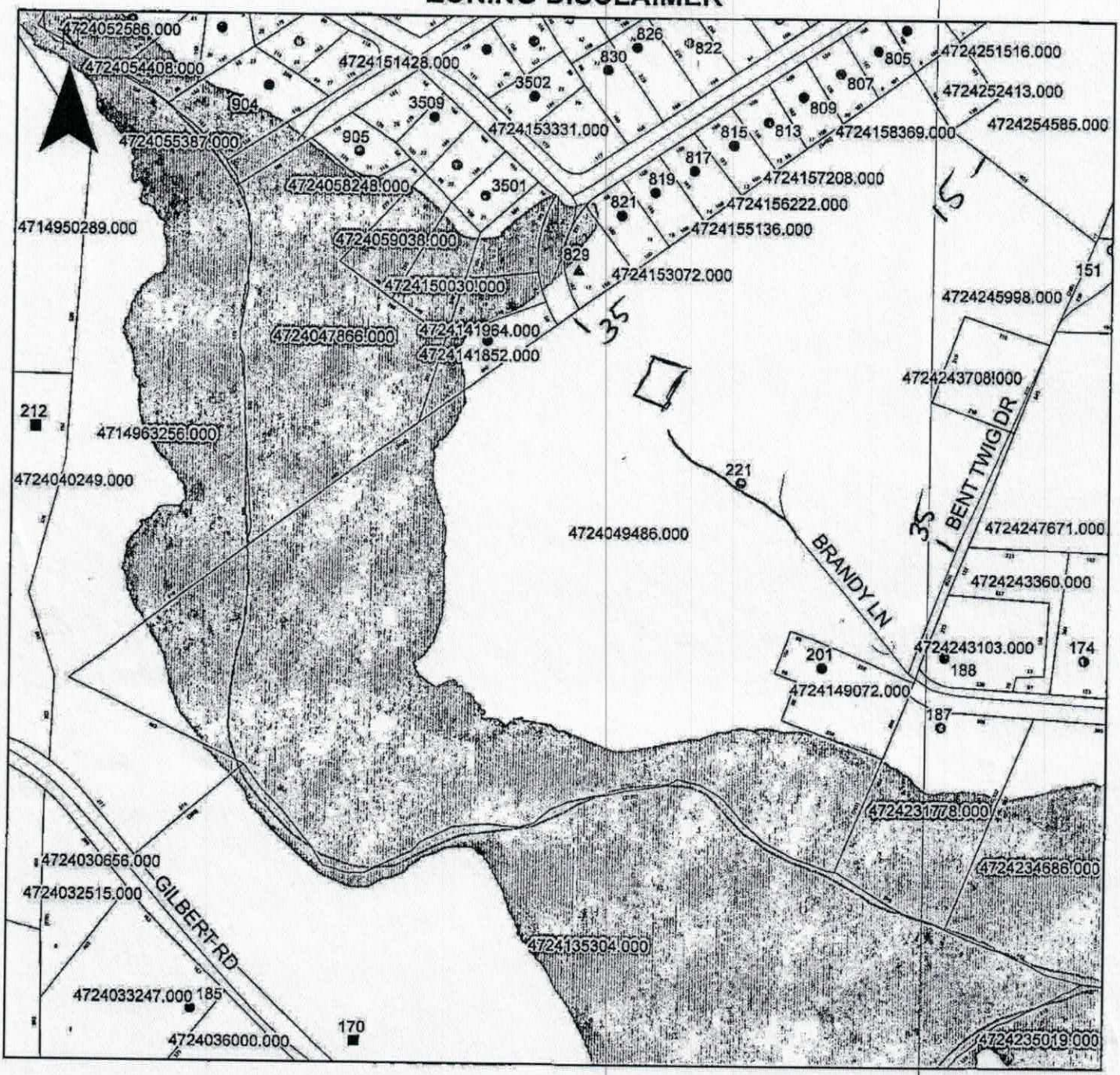
Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	153022	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 221 Brandy

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. Applicant further acknowledges that the enforcement of deed restrictions, plat conditions, and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Eric C. Hall

Applicant

09-19-18

Date