IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 (185) Mooresville Office (704) 660-3625 PERMIT # 240087

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

PIN # 4751-85-4958 863012

APPLICANT/OWNER: Dwight Fraver APPLICANT ADDRESS: 3650 Amity Hill Rd

SITE ADDRESS: 3638 Amity Hill Rd, Statesville 28677 PHONE: 704-528-6912 ALT. PHONE —

SITE DIRECTIONS: 77S → exit 45 TL → on right behind 3650 Amity Hill SAP CONTROLLED: ☒ YES ☐ NO

SUBDIVISION: ✓ — SECTION: — LOT # — LOT AREA: 9.328ac DESIGN FLOW: 360gpd L.T.A.R.: .25

Septic Tank	1000	(gal)	STB 760	Date	2/28/2019	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 3	Water Supply
Pump Tank		(gal)	PT	Date		System Description:		25% reduction		☐ Business	No. Persons 6	☒ Private
Pump Make		Model		Serial #		Repair System Description:		25% reduction		☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	3	Linear Ft	360'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width	36"	Trench Bottom Depth:		30" max	Gravel Depth —		☒ GRAVITY	☐ PRESSURE		☐ Basement w/ plumbing		☐ Basement w/o plumbing

Comments / Conditions: Install on contour + utilize serial distribution. If grading property, DO NOT grade septic area. Do not exceed max trench depth of 30".

If fandation drain is used, septic tank must meet 15' offset. Recorded 11/16/18 book 2587 pg 1720-1724

INITIAL SITE SKETCH

See attached design from Soil + Forestry Services of the Carolinas

Ashley Rollins; LSS #1231

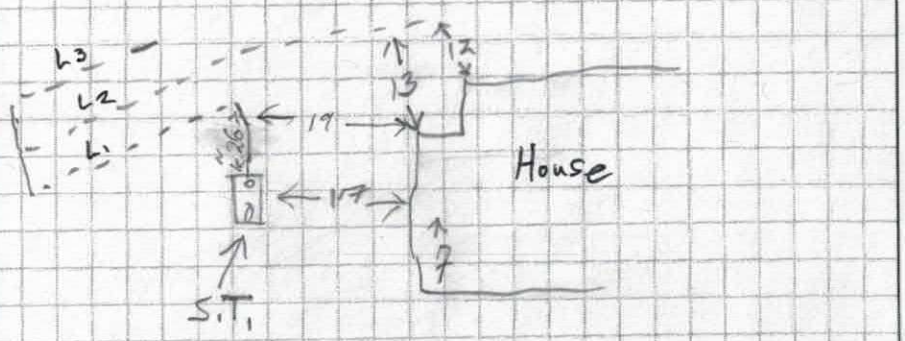
AS BUILT SKETCH

5/14/2019 Shaw 1000-gal mid-seam tank w/ a Polylok PL-68 filter

L1 102
L2 158
+ L3 102
362

IQ4W OK by luser 28" → 30" TB

Installed Substantially where permitted



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.*

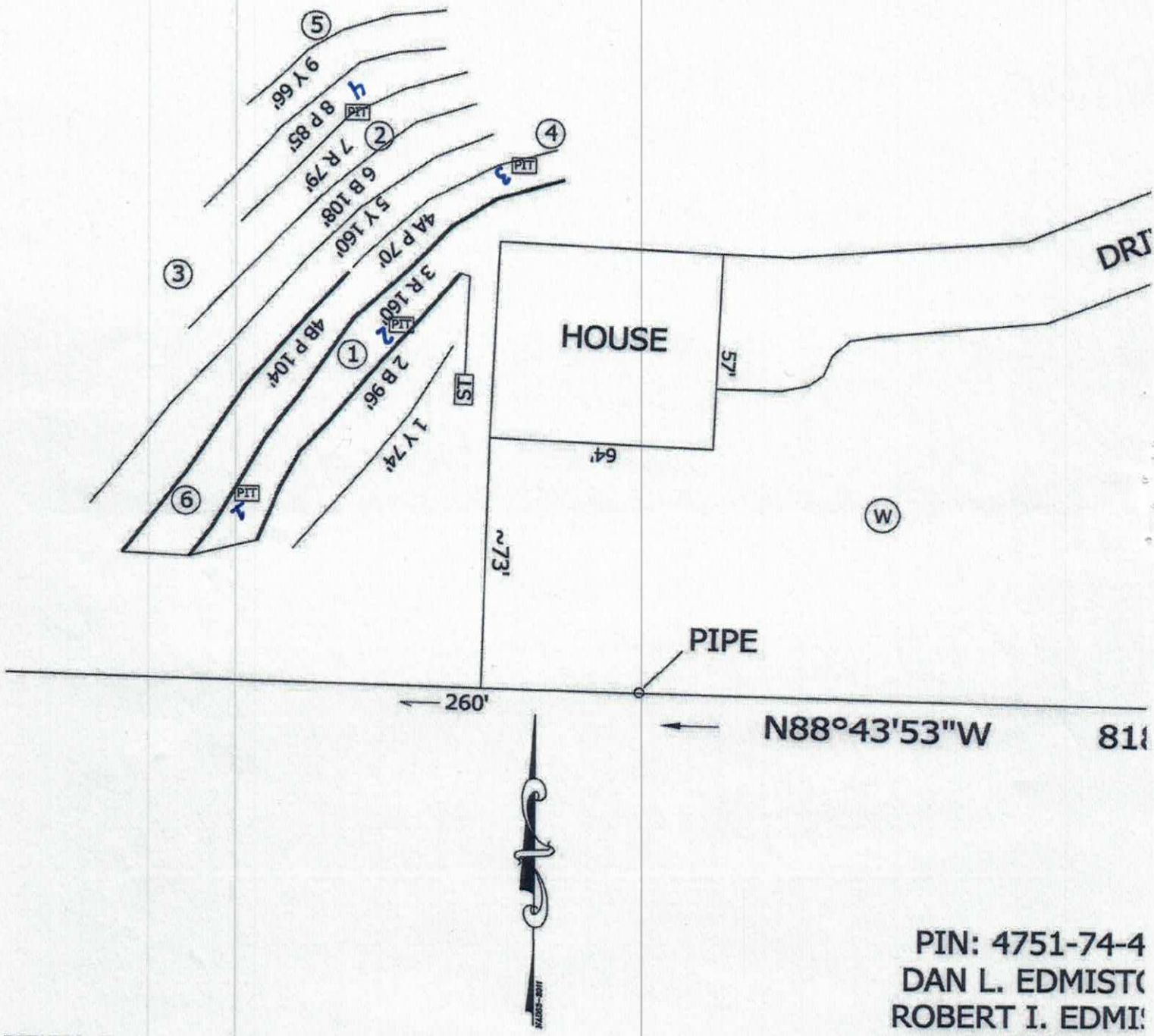
Owner / Applicant Signature: Dwight Fraver Date: 11-19-18 Installed by: Jared Lentz

IMPROVEMENT PERMIT by: Carla C Cave Date: 11/15/18 OPERATION PERMIT by: Tom Shuck Date: 5/14/2019

AUTHORIZATION TO CONSTRUCT by: Carla C Cave Date: 11/15/18 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.

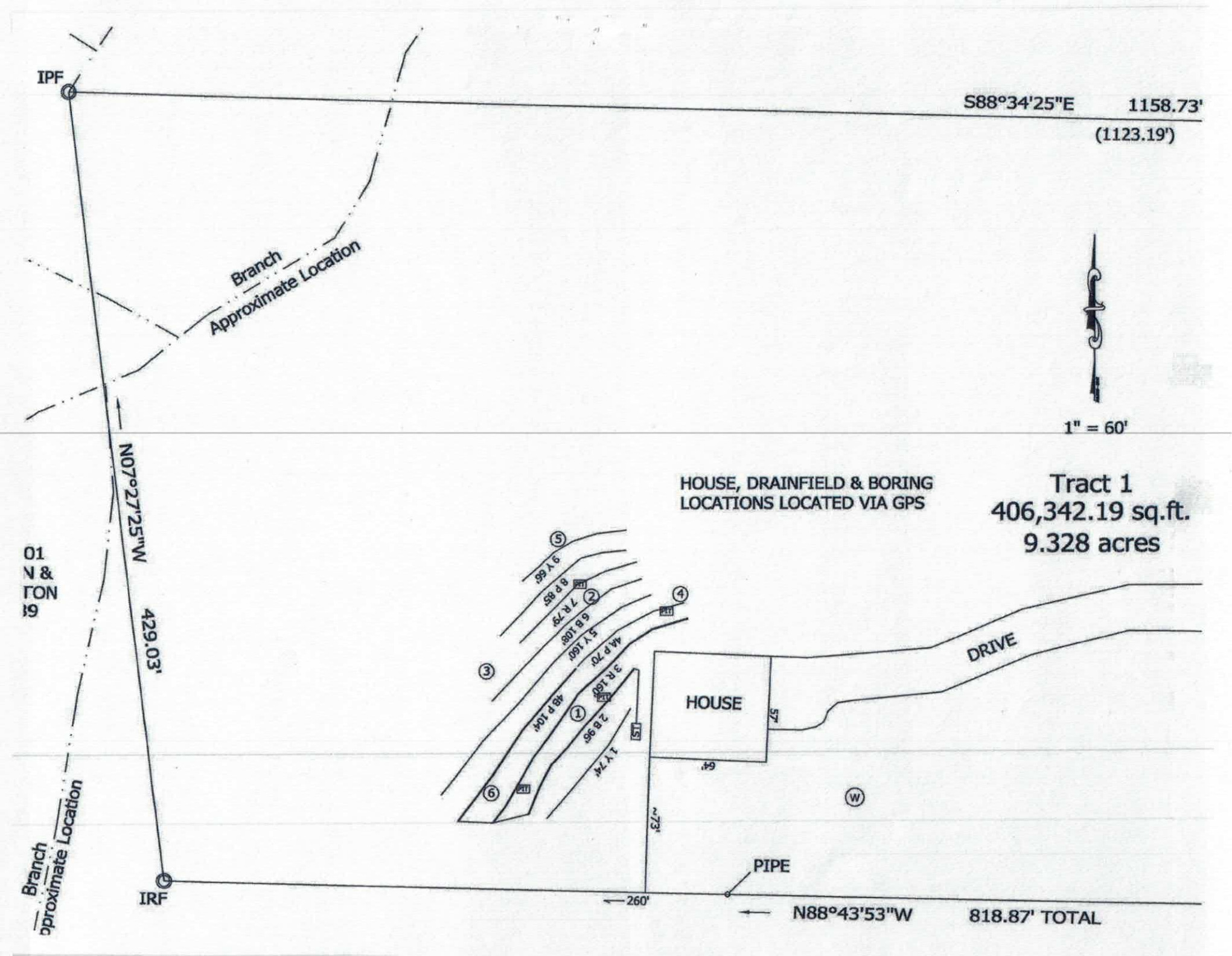
HOUSE, DRAINFIELD & BORING
LOCATIONS LOCATED VIA GPS



PIN: 4751-74-4
DAN L. EDMIST(
ROBERT I. EDMI
D.B. 525, Pg. 3
Zoned: RA

1" = 40'

)T IN A
HOWN ON
:ATE MAP


IPF
S88°34'25"E 1158.73'
(1123.19')
Branch
Approximate Location
1" = 60'
HOUSE, DRAINFIELD & BORING
LOCATIONS LOCATED VIA GPS
Tract 1
406,342.19 sq.ft.
9.328 acres
N07°27'25"W
429.03'
DRIVE
HOUSE
PIPE
IRF
260'
N88°43'53"W 818.87' TOTAL
Branch
Approximate Location

Soil & Forestry Services of the Carolinas, PA.

P.O. Box 832 Mooresville, NC 28115 Phone: (704) 658-1723 Fax: (704) 278-0989

Ashley Rollans, NC Licensed Soil Scientist
Mobile: (704) 746-5046
Email: rollans.ashley@yahoo.com

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence on proposed Tract 1 of PIN 4751854958, Amity Hill Road, Statesville, NC 28677, Iredell County.

3638

Contents: **Page**

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LICENSED SOIL SCIENTIST Samuel A. Rollans 1993 STATE OF NORTH CAROLINA

11/7/18

November 6, 2018
Project #: 18-0118
Design By: Soil & Forestry Services of the Carolinas, PA.

INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a gravity 25% reduction (Accepted) installation.
- **Maintain proper fall from house to tank and tank to drainfield.**
- **Install top of Tank below elevation of any foundation drains**
- **Proposed Septic Lines MUST be installed on contour.**

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Applicant: Dwight Fraver

Address: 3650 Amity Hill Road
Statesville, NC 28677

Phone: 704.528.6912
County: Iredell
Location: Amity Hill Road

Source of Wastewater Flow: 3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 360
System Flow: N/A

Design Specifications

Drainfield Size: 360
Loading Rate (gpd/ft.^{2}): 0.25
Depth of Gravel in Trench: N/A
Gravel Size: N/A
Max.Trench Depth: 30 in. Repair Trench Bottom 24 in.
Trench Width: 36 in.
Septic Tank Size: 1000

Estimated Supply Line Length: 5
Supply Line Diameter: 4 in. SCH 40 PVC
Supply Line Volume: 3.27
Dosing Volume: N/A
Supply Manifold: N/A
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: N/A

Recommended Control Panel: N/A

Pressure Head: N/A
Friction Head: N/A
Elevation Head: N/A
Total Dynamic Head: N/A

Threaded Union: N/A
Gate Valves: N/A

Check Valves: N/A
Anti-Siphon Hole: N/A
Additional Comments: Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA.

Amity Hill Road

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.25
TOTAL AREA TRENCH BOTTOM:	1080
TOTAL LATERAL LENGTH:	360
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	360
SUPPLY LINE LENGTH:	5
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

Layout Specifications - Dwight Fraver/Amity Hill Road

Project #: 18-0118

LAYOUT FOR 3 BEDROOM HOME

November 6, 2018

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	YELLOW		EXTRA			74	74
2	***BLUE***					***96***	***96***
3	***RED***					***160***	***160***
4A	PINK					70	70
4B	***PINK***					***104***	***104***
5	YELLOW					160	160
6	BLUE					108	108
7	RED					79	79
8	PINK					85	85
9	YELLOW					66	66
					Total	1002	1002

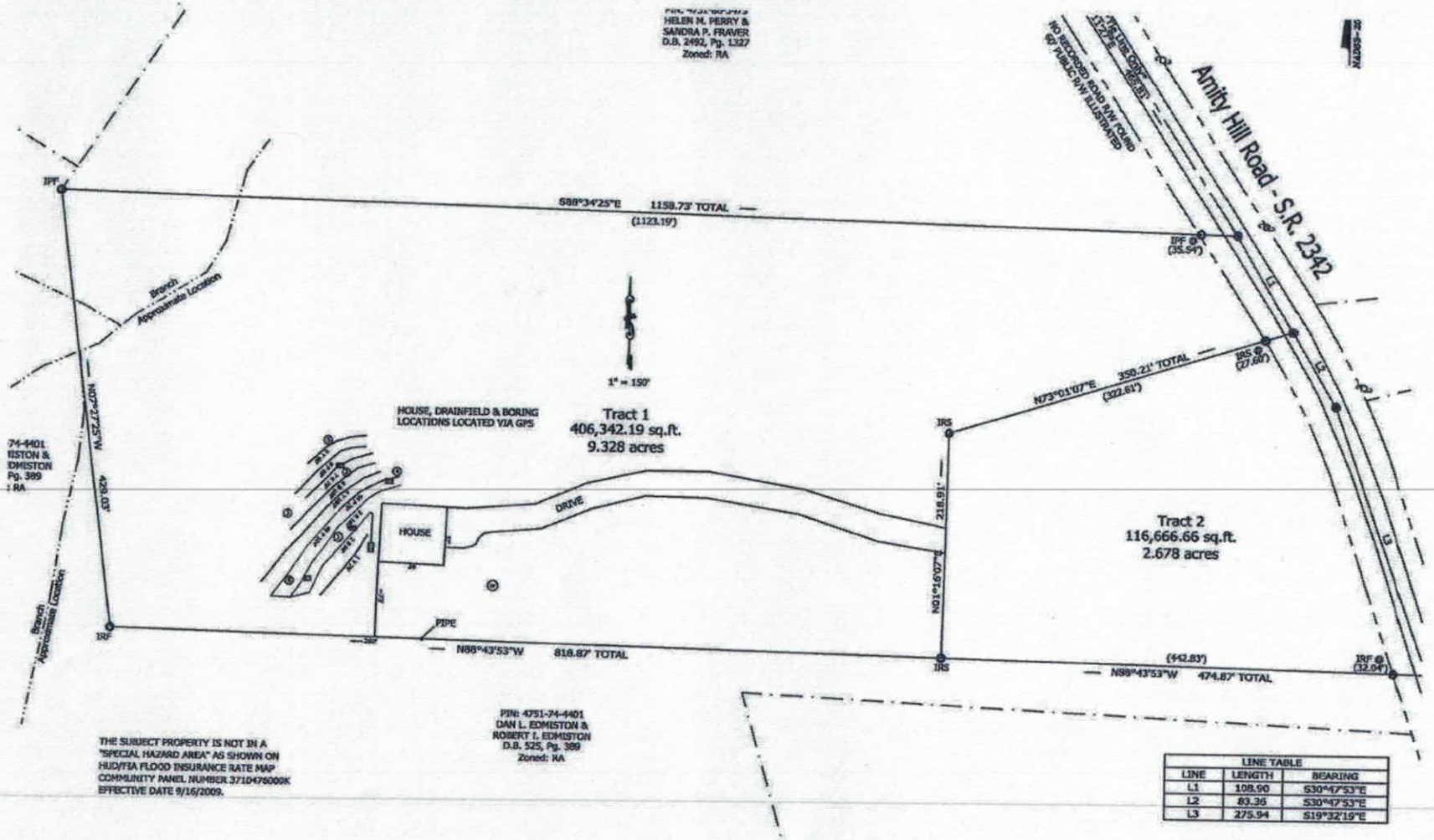
	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***360***	***0.250***	***ACCEPT.***	***0.250***	***25% RED***	***GRAVITY***
Repair	568	0.250	ACCEPT.	0.250	25% RED	GRAVITY

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

****HOUSE STAKED BY LICENSED CONTRACTOR.**

****ALL SEPTIC LINES, BORINGS & HOUSE LOCATED VIA GPS.**



LINE TABLE		
LINE	LENGTH	BEARING
L1	108.90	S30°47'53"E
L2	83.36	S30°47'53"E
L3	275.94	S19°32'19"E

CALCULATIONS

Location	Amity Hill Road	
Project Number	18-0118	
Lot No:	Tract 1	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.250	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	5	ft.
Supply Line Volume	3.265	gal.
Required Feet of Line	360	ft.
Amount of Line from Layout	360	ft.
Gallons per Minute	N/A	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Septic Tank Size	1000	gal.
Panel Volume	N/A	gal.
# of Panels	N/A	
Dosing Volume	N/A	gal.
Tank Draw Down	N/A	
Pump Run Time		
Elevation Head	N/A	ft.
Pressure Head	N/A	ft.
Friction Factor	N/A	ft./100 ft. *(From the interpolater.)*
Friction Head	N/A	ft.
Total Dynamic Head (+15%)	N/A	ft.

FRICTION FACTOR
INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

PROPERTY ID #: 4718849588
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Dwight Fraver
ADDRESS: 3650 Amity Hill Rd Statesv, Ile NC 28677
APPLICATION DATE 11/7/18
DATE EVALUATED: 10/31/2018
PROPOSED FACILITY: 3BR Single Family PROPOSED DESIGN FLOW (.1949): 360 GPD
PROPERTY SIZE: 9.328
LOCATION OF SITE: 3038 Amity Hill Rd Statesv, Ile NC 28677
PROPERTY RECORDED: No
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 1	L/8%	0-7	BSl Gr	Fr SS SP		50			PS .3
		7-12	RBCl wmsbK	Fr SS SP					
		12-24	RBC wmsbK	Fr SS SP					
		24-38	BRC wmsbK	Fr SS SP	-Quartz Vein				
		38-50	RBCl wfsbK	Fr SS SP					
B 2	L/12%	0-5	Bsl Gr	Fr SS SP		47			PS .3
		5-9	RBCl wmsbK	Fr SS SP					
		9-28	BRC wmsbK	Fr SS SP					
		28-47	RBCl wfsbK	Fr SS SP					
		47-52	VAR SL MASS	Fr SS SP					
B 3	L/12%	0-4	RBCl wfsbK	Fr SS SP		52			PS .25
		4-35	BRC wmsbK	Fr SS SP	-Few to C. Fe Depl				
		35-52	RYC/CL wmsbK	Fr SS SP	-C. Fe. Depl. -Clr. R 25@44"				
B 4	L/15%	0-4	BSL Gr	Fr SS SP		52			PS .3-.35
		4-24	BRC wmsbK	Fr SS SP					
		24-32	RBCl wfsbK	Fr SS SP	-C. SAP				
		32-52	CL/L wfsbK	Fr SS SP	-C. Many SAP				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	Accepted
Site LTAR	0.25+	0.25+

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans
OTHER(S) PRESENT: Chad Wagner

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4751854958
DATE OF EVALUATION: 10/31/2018
COUNTY: Iredell

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
B5	L/12%	0-5	BSCL wfsbk	Fr SS SP					PS .275
		5-23	BRC wmsbk	Fr SS SP					
		23-42	RYCL wfsbk	Fr SS SP	-C.SAP White Mineral	42			
		42-50	VAR L. MASS	Fr S S SP	-Few Clay Lenses				
B6	L/5%	0-3	BSI Gr	Fr SS SP					PS .25-.275
		3-9	RBSCL wfsbk	Fr SS SP					
		9-33	BRC wmsbk	Fr SS SP		48			
		33-48	RBCL wmsbk	Fr SS SP	-Few foC.SAP White Mineral				

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

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

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

OWNER: Dwight Frame
ADDRESS: 3650 Amity Hill Rd
PROPOSED FACILITY: 3BR
LOCATION OF SITE: 3638 Amity Hill Rd
APPLICATION DATE: 11/7/18
DATE EVALUATED: 11/14/18
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE: 9.39ac
PROPERTY RECORDED: Y

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 12%	0-7	SBK SL	Fr ss sp smp		41"	PS	N/A	.275
		7-35	SBK C	Fr ss sp smp					
		35-41	SBK CL	Fr ss sp smp					
		41-57	V. SAP	VFr					
2	LSS 12%	0-8	SBK SCL	Fr ss sp smp	few sap inc @ 48"	50"	NA	N/A	.275
		8-38	SBK C	Fr ss sp smp					
		38-50	SBK CL	Fr ss sp smp					
3	LSS 15%	0-10	SL	Fr ss sp smp		46"	PS	N/A	.25
		10-26	C	Fr ss sp smp					
		26-46	ABK CL	Fr ss sp smp					
		46-52	SAP	VFr					
4	LSS 15%	0-8	SL	Fr ss sp smp	sap early	33"	PS	N/A	.25
		8-24	C	Fr ss sp smp					
		24-33	CL	Fr ss sp smp					
		33-62	SAP	VFr					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360'	360'
System Type(s)	2SS	2SS
Site LTAR	.25	.25

OTHER FACTORS (.1946): NA/PS
SITE CLASSIFICATION (.1948):
EVALUATED BY: C. Cone
OTHER(S) PRESENT: A. Robbins

COMMENTS:

Updated February 2014

RECEIVED NOV - 7 2018

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $350.00 # 240087

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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: ( ) 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: Dwight Fraver **Address:** 3650 Amity Hill Rd Statesville NC **Zip:** 28677

Applicant Email: easyas123home@gmail.com **Phone:** 704 528 6912 **Alt. Phone:**

Owner Name: Dwight Fraver **Address:** same as applicant **Zip:**

Owner Email: same **Phone:** same **Alt. Phone:**

Property Information:

Street Address: 3638 Amity Hill Rd Statesville NC 28677

Subdivision Name: Family Subdivision **Section/Phase:** Tract #1 **Lot Number:**

Driving Directions: Amity Hill Rd. Property behind 3650 Amity Hill Rd

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

CHECK FOUNDATION TYPE

(X) New Single Family Residence — Maximum Number of Bedrooms: 3 — (X) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 6 — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: — ( ) Basement without Plumbing
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:

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:

(X) 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 (X) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: Accepted

Please answer the following to the best of your ability:

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) 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: Samuel A. Fraver 11/7/18
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

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.

I, Dwight Fraver, am the legal owner(s) of the property located at 4 Amity Hill Road Statesville NC 28677, identified as PIN (Parcel Identification Number) 4751 85 4958, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Samuel Ashley Rollans Rollans Soil & Environmental Services, 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.

Dwight Fraver 10-5-18

Signature of Owner(s) Date Signature of Witness Date

Please return this signed form to the appropriate office:

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

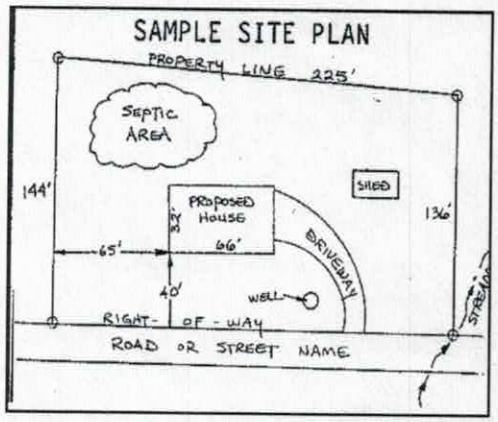
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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:

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location
- (X) Preferred well location
- (X) Preferred septic system location
- (X) 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

See Attached

1 0-7 735 3541 41-57 SOP

2 0-7 SCL 7-38-C 38-50 CL few SOP @ bottom

3 4

3-0-10 10-26 26-40 CL - ABL 40-52 SOP

Signature: Steven A Tollison

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

11/7/18

DATE

4-07 24-33 33-62-SOP

PRELIMINARY APPROVAL

W. Allen 11/6/18



Vicinity Map - Not to Scale

FIN: 4751-77-2157
RICHARD A. HOWELL &
SHERRIE W. HOWELL
D.B. 1267, Pg. 1059
P.B. 23, Pg. 119
Zoned: RA

FIN: 4751-86-5828
ERIC J. THOMPSON
D.B. 1351, Pg. 60
Zoned: RA

FIN: 4751-86-3473
HELEN M. PERRY &
SANDRA P. FRAVER
D.B. 2492, Pg. 1327
Zoned: RA

FIN: 4751-74-4401
DAN L. EDMISTON &
ROBERT I. EDMISTON
D.B. 525, Pg. 389
Zoned: RA

FIN: 4751-74-4401
DAN L. EDMISTON &
ROBERT I. EDMISTON
D.B. 525, Pg. 389
Zoned: RA

Amity Hill Road - S.R. 2342

4751854958.000

3650

Tract 1
406,342.19 sq.ft.
9.328 acres

Tract 2
116,666.66 sq.ft.
2.678 acres

HOUSE

IRON

Branch Approximate Location

S88°34'25"E 1150.73' TOTAL (1123.19')

N88°43'53"W 618.87' TOTAL

N73°01'07"E 350.21' TOTAL (322.61')

N01°10'07"E 218.91'

(442.83')

N88°43'53"W 474.87' TOTAL

S33°46'49"W 938.56'

N01°27'29"W 439.88'

"TIE" N85°44'08"E 174.54'

IRF @ (35.54')

IRS @ (27.66')

IRF @ (32.04')

LINE TABLE		
LINE	LENGTH	BEARING
L1	108.90	S30°47'53"E
L2	83.36	S30°47'53"E
L3	275.94	S19°32'19"E

GRAPHIC SCALE
80 0 40 80 160
(IN FEET)
1 inch = 80 ft.

SURVEYOR CERTIFICATION

Notice:

This survey was prepared without the benefit of a title abstract and is made subject to any discrepancies which may be disclosed by a thorough and accurate title search.

All Areas shown are by Coordinate Computation Method.

I, MATTHEW I. GRANT, PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION WITH A PRECISION RATIO OF 1:10,000; THAT THE GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS WERE PERFORMED TO THE ORIENTAL POSITIONING ACCURACY STANDARDS, PART 2: STANDARDS FOR GEODETIC NETWORKS AT THE 95% CONFIDENCE ACCURACY CLASSIFICATION (95 % CONFIDENCE) USING REAL TIME KINEMATIC.

Witness my seal and signature this day, 25, October 2018.

Matthew I. Grant, P.L.S. License #5208

NORTH CAROLINA PROFESSIONAL SEAL L-5208 MATTHEW I. GRANT

THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3710476000K EFFECTIVE DATE 9/16/2009.

NOTES:

PROPERTY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.

PROPERTY SUBJECT TO EASEMENTS AND RIGHTS OF WAY OF RECORD AND THOSE NOT OF RECORD, IF ANY EXIST.

AREA BY COORDINATE COMPUTATION.

PROPERTY MAY BE SUBJECT TO GOVERNMENTAL ORDINANCES, ZONING AND OTHER REGULATIONS CONCERNING THE DIVISION AND DEVELOPMENT OF REAL ESTATE.

NO SUBTERRANEAN SURVEY PERFORMED AT THIS SITE.

LEGEND:

IPF - IRON PIPE FOUND
IRF - IRON REBAR FOUND
IRS - IRON REBAR SET
NTS - NOT TO SCALE
R/W - RIGHT OF WAY
- COMPUTED POINT
- POWER POLE

JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, PLLC
P.O. BOX 151 * STATESVILLE, NC 28687
mattg@jordan-grant.com (704) 928-7919
FIRM # P-1227

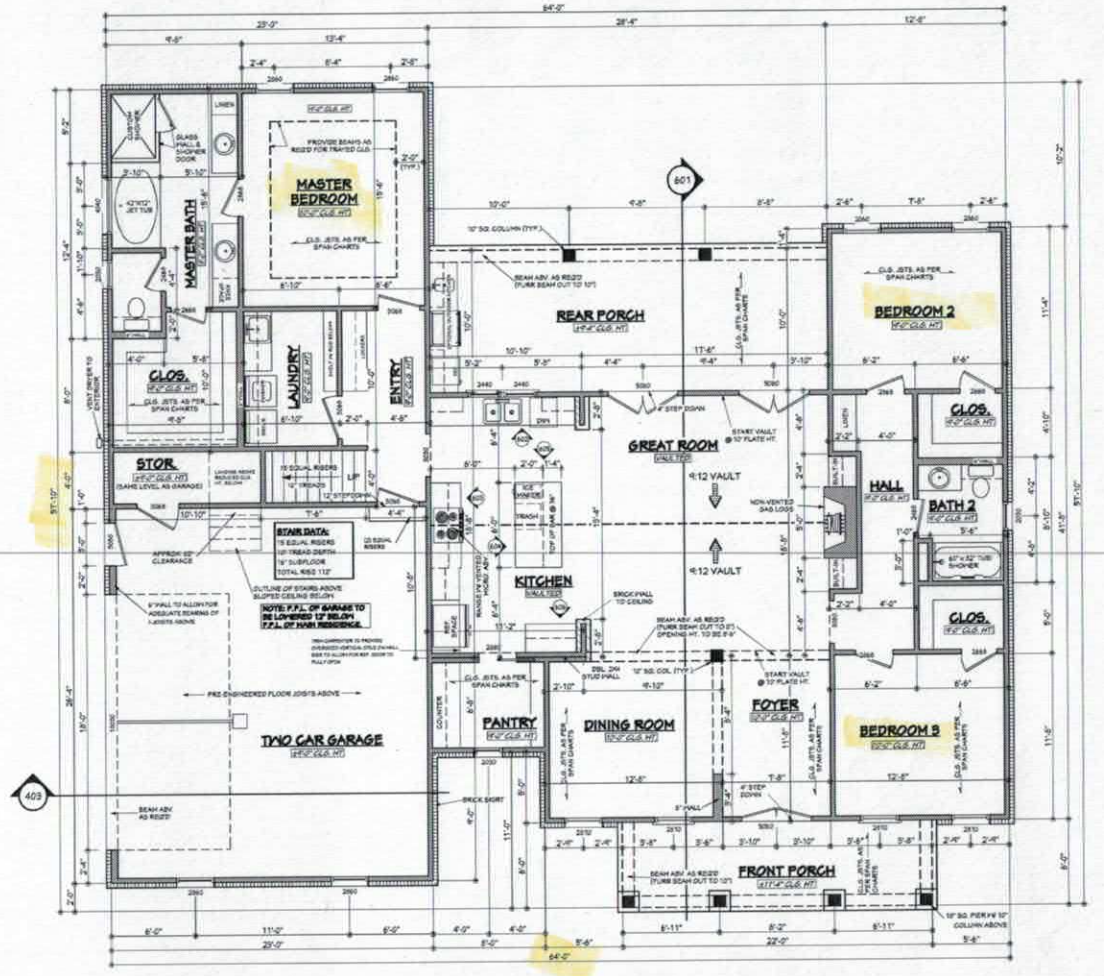
BOUNDARY MAP FOR:
Dwight E. Fraver & Sandy P. Fraver

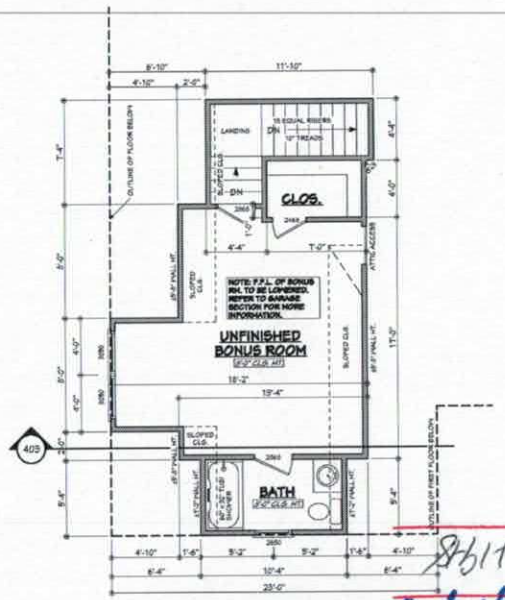
DRAWN BY: SMS	CHECKED BY: MIG
SCALE: 1"=80'	
DEED REF: 903-87	PIN NO: 4751-85-4958
DATE OF MAP: 10-16-18	SURVEY DATE: 10-15-18
REVISION:	DRAWING FILE: 20181001

3650 AMITY HILL ROAD - STATESVILLE, N.C. 28677
CHAMBERSBURG TOWNSHIP — IREDELL COUNTY — NORTH CAROLINA

NOTES:

1. ALL DIMENSIONS & SITE CONDITIONS TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
2. ALL FINISHES (INTERIOR & EXTERIOR) TO BE VERIFIED WITH OWNER PRIOR TO CONSTRUCTION.
3. VERIFY ALL DOOR AND WINDOW STYLES AND SIZES WITH OWNER PRIOR TO CONSTRUCTION. MANUFACTURER TO SUPPLY ALL ROUGH OPENING SIZES.
4. CONTRACTOR TO VERIFY ALL CLEARANCES OF ALL DOORS, WINDOWS AND OTHER ITEMS THAT ARE CRITICAL, PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO ADAPT PLANS AS REQUIRED TO MEET ALL APPLICABLE CODES AT SITE.
6. ALL BEAMS TO BE SIZED BY A LICENSED STRUCTURAL ENGINEER.
7. PORCHES, BALCONIES OR RAISED FLOOR SURFACES LOCATED MORE THEN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES HORIZONTALLY SHALL HAVE GUARDS NOT LESS THAN 36 INCHES IN HEIGHT. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED VERTICALLY FROM THE NOSING OF THE TREADS. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD. IRC 2015, R312.1.1 & R312.1.2
8. M1305.1.3 APPLIANCES IN ATTICS. ATTICS CONTAINING APPLIANCES SHALL BE PROVIDED WITH AN OPENING AND A CLEAR AND UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE, BUT NOT LESS THAN 30 INCHES HIGH AND 22 INCHES WIDE AND NOT MORE THAN 20 FEET LONG MEASURED ALONG THE CENTERLINE OF THE PASSAGEWAY FROM THE OPENING TO THE APPLIANCE. THE PASSAGEWAY SHALL HAVE CONTINUOUS SOLID FLOORING IN ACCORDANCE WITH CHAPTER 5 NOT LESS THAN 24 INCHES WIDE. A LEVEL SERVICE SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PRESENT ALONG ALL SIDES OF THE APPLIANCE WHERE ACCESS IS REQUIRED. THE CLEAR ACCESS OPENING DIMENSIONS SHALL BE A MINIMUM OF 20 INCHES BY 30 INCHES, AND LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE.
EXCEPTIONS:
a. THE PASSAGEWAY AND LEVEL SERVICE SPACE ARE NOT REQUIRED WHERE THE APPLIANCE CAN BE SERVICED AND REMOVED THROUGH THE REQUIRED OPENING.
b. WHERE THE PASSAGEWAY IS UNOBSTRUCTED AND NOT LESS THAN 6 FEET HIGH AND 22 INCHES WIDE FOR ITS ENTIRE LENGTH, THE PASSAGEWAY SHALL BE NOT MORE THAN 50 FEET LONG.
9. APPLIANCE ACCESS FOR INSPECTION SERVICE, REPAIR AND REPLACEMENT. APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION, OTHER APPLIANCES, OR ANY OTHER PIPING OR DUCTS NOT
CONNECTED TO THE APPLIANCE BEING INSPECTED, SERVICED, REPAIRED OR REPLACED. A LEVEL WORKING SPACE AT LEAST 30 INCHES DEEP AND 30 INCHES WIDE SHALL BE PROVIDED IN FRONT OF THE CONTROL SIDE TO SERVICE AN APPLIANCE. INSTALLATION OF ROOM HEATERS SHALL BE PERMITTED WITH AT LEAST AN 18-INCH WORKING SPACE. A PLATFORM SHALL NOT BE REQUIRED FOR ROOM HEATERS.
M1305.1.1 FURNACES AND AIR HANDLERS. FURNACES AND AIR HANDLERS WITHIN COMPARTMENTS OR ALCOVES SHALL HAVE A MINIMUM WORKING SPACE CLEARANCE OF 3 INCHES ALONG THE SIDES, BACK AND TOP WITH A TOTAL WIDTH OF THE ENCLOSING SPACE BEING AT LEAST 12 INCHES WIDER THAN THE FURNACE OR AIR HANDLER. FURNACES HAVING A FIREBOX OPEN TO THE ATMOSPHERE SHALL HAVE AT LEAST A 6-INCH WORKING SPACE ALONG THE FRONT COMBUSTION CHAMBER SIDE. COMBUSTION AIR OPENINGS AT THE REAR OR SIDE OF THE COMPARTMENT SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 17.
EXCEPTION: THIS SECTION SHALL NOT APPLY TO REPLACEMENT APPLIANCES INSTALLED IN EXISTING COMPARTMENTS AND ALCOVES WHERE THE MINIMUM SPACE CLEARANCES ARE IN ACCORDANCE WITH THE EQUIPMENT OR APPLIANCE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
10. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE. WINDOW OPENING CONTROL DEVICES COMPLYING WITH ASTM F 2090 SHALL BE PERMITTED FOR USE ON WINDOWS SERVING AS A REQUIRED EMERGENCY ESCAPE AND RESCUE OPENING. ALL SLEEPING ROOMS TO HAVE AN EXTERIOR ACCESS THROUGH A DOOR OR WINDOW WITH A MINIMUM OF 5.7 SQUARE FEET NET CLEAR OPENING AS PER IRC 2015 R310.2.1. EXCEPTION: GRADE FLOOR OR BELOW GRADE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET. MAXIMUM SILL HEIGHT TO BE 44 INCHES. MINIMUM NET CLEAR OPENING HEIGHT TO BE 24 INCHES. MINIMUM NET CLEAR OPENING WIDTH TO BE 20 INCHES.
11. ALL RETURN AIR GRILLS ARE TO BE LOCATED TO COMPLY WITH SECTION M1602.01 OF THE IRC 2015.
12. ALL SQUARE FOOTAGE MEASUREMENTS ARE APPROXIMATE AND MAY DIFFER FROM ACTUAL CONSTRUCTED RESIDENCE OR BUILDING.
13. FIRE SPRINKLER SYSTEM TO BE DESIGNED AND INSTALLED (IF REQUIRED BY LOCAL CODES) AS PER THE IRC 2015 AND BY A LICENSED PROFESSIONAL IN THE AREA OF CONSTRUCTION.
14. ALL BATHROOM EXHAUST VENTS SHALL BE VENTED DIRECTLY TO THE EXTERIOR OF THE HOME AND NOT INTO THE ATTIC. IRC 2015, M1507.2





NOTE: CONTRACTOR TO LOCATE WATER HEATER AND HVAC UNITS AT SITE.

BB-1988AR FLOOR PLAN

SCALE: 1/4" ========== 1'-0"

AREAS:		
	1988	S.F. HEATED
	372	S.F. UNHEATED - BONUS ROOM
	600	S.F. UNHEATED - GARAGE
	283	S.F. UNHEATED - REAR PORCH
	43	S.F. UNHEATED - STORAGE
	132	S.F. UNHEATED - FRONT PORCH
	1430	S.F. UNHEATED - TOTAL
	3418	S.F. TOTAL (WITHOUT MASONRY)

BONUS ROOM FLOOR PLAN

SCALE: 1/4" ========== 1'-0"

Acknowledgement Of Plans Submittal ONLY!

Date 11/9/17

Date 11/9/17

HOUSE PLAN ZONE
Designing Homes Building Relationships
Website: www.HPZplans.com
Email: sales@hpzplans.com
Phone: 601.336.3254
Fax: 1.800.574.1387
N·C·B·D·C
JONATHAN L. BOONE

Pre-Drawn Plan ID: BB-1988AR

House Plan Zone, LLC has executed great care and effort in the development of these plans and the completion of these construction documents. However, House Plan Zone, LLC assumes no responsibility for errors or omissions in these plans or other documents which are prepared in connection with the construction of projects designed by House Plan Zone, LLC. House Plan Zone, LLC is not responsible for any injury, loss, or damages, including physical or financial injury, loss or damages resulting from errors, omissions or deficiencies in the design of construction documents. In addition to your own building official, you should employ the services of an architect or engineer to review the adequacy of these plans for your site and local conditions. You should employ the services of an architect or engineer to supervise the construction of the project. It is your responsibility to obtain and employ the services of a professional engineer to perform soil tests and to design the foundation for the house. It is also your responsibility to have all construction performed in compliance with these plans and with all applicable building codes. You should employ the services of a professional engineer to certify that the house has been constructed in accordance with these plans. It is your responsibility to obtain and employ the services of a professional engineer to certify that the house has been constructed in accordance with these plans. It is your responsibility to obtain and employ the services of a professional engineer prior to construction.

Date: 10.11.17
Drawn By: J.A.B.
Project Name:

SHEET NUMBER 3

IREDELL COUNTY

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

APPLICATION NUMBER
240087
Issue Date: 11/06/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4751854958.000	3638 AMITY HILL ROAD, STATESVILLE, NC 28677	IREDELL COUNTY

Owner Information	Applicant Information
Owner: FRAVER DWIGHT E+SANDY P	Applicant: ROLLANS SOIL & ENVIRON
Address: 3649 AMITY HILL RD	Address: 470 NORTH BROAD STREET SUITE D
STATESVILLE, NC 28677	MOORESVILLE, NC 28115
Phone:	Phone: 704-658-1723

Use Requested	Zone Code
SFD BUILDING PERMIT CANT BE ISSUED UNTIL THE LOT IS DIVIDED AND THE PLAT RECORDED DW	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
12.010	35.00	35.00	15.00	15.00	NOT	X

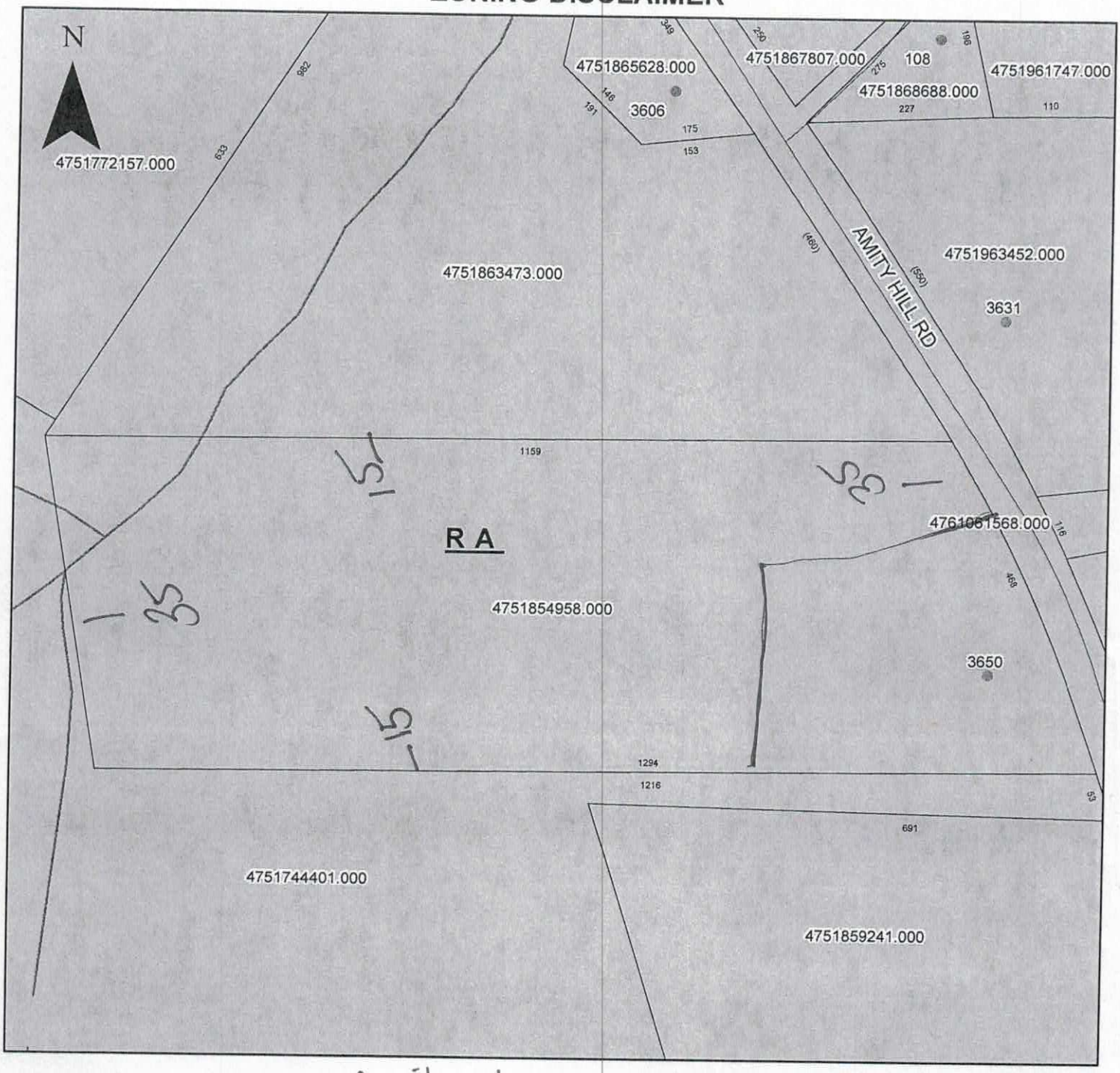
Remarks:

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	158058	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 3638 Amity Hill Rd.

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.

Applicant

Date