IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625

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

PERMIT # AP301135

PIN # 4668848590

APPLICANT/OWNER: Josh Sherrill

APPLICANT ADDRESS: 108 Dunnell Rd Mooresville NC 28115

SITE ADDRESS: 124 Eddie Wayne Dr Mooresville NC 28115

PHONE: 704-223-2944 ALT. PHONE

SITE DIRECTIONS: E Statesville Ave to Ron N Main St, Lon W Park Ave, Lon Eddiewayne, stone R

SUBDIVISION: Donna K Brown Prop

SECTION: — LOT # 1 LOT AREA: 1 acre

SAP CONTROLLED: ☐ YES ☒ NO

DESIGN FLOW: 360 L.T.A.R.: .275

Septic Tank	1000 (gal)	STB	Date		
Pump Tank	— (gal)	PT	— Date	—	
Pump Make		Model		Serial #	—
# Nitrification Fields	1	# Lines	5	Linear Ft	327'
Trench Width	36"	Trench Bottom Depth(Low side)	34"	Gravel Depth	—

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: Gravity 25% Reduction

Repair System Description: LPPPBPS

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

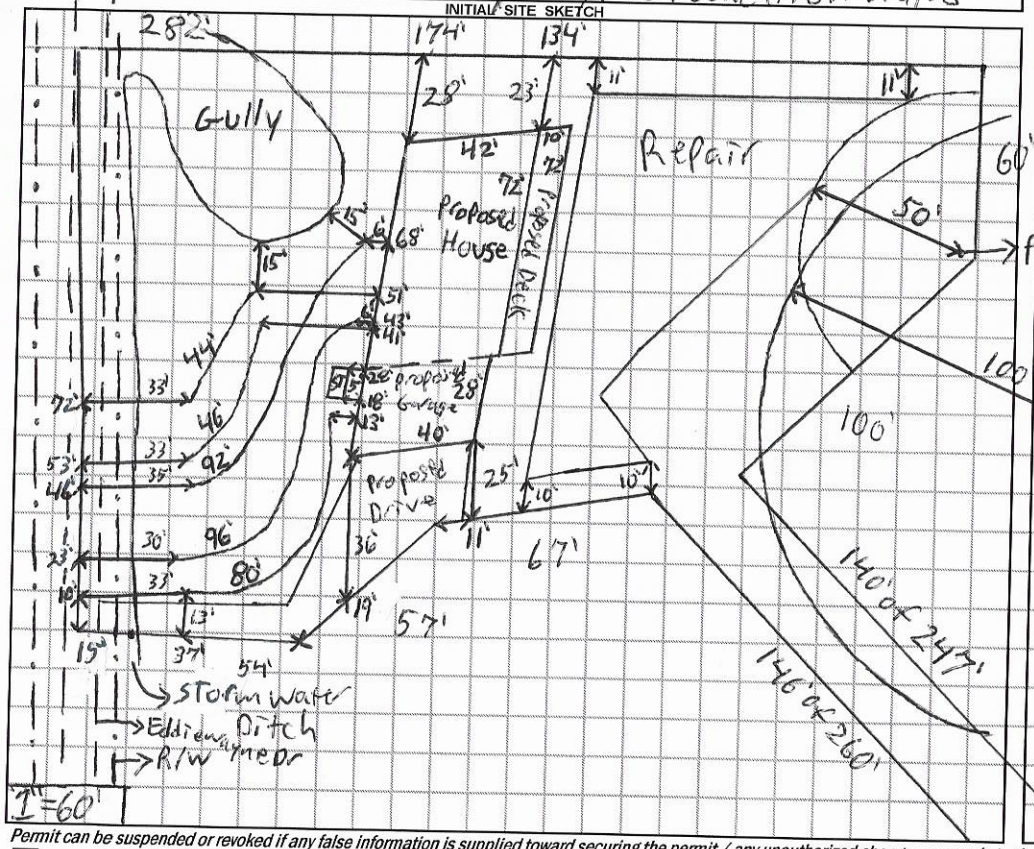
No. Bedrooms 3 No. Persons 6 No. Employees

☒ Crawl Space ☐ Basement w/o plumbing

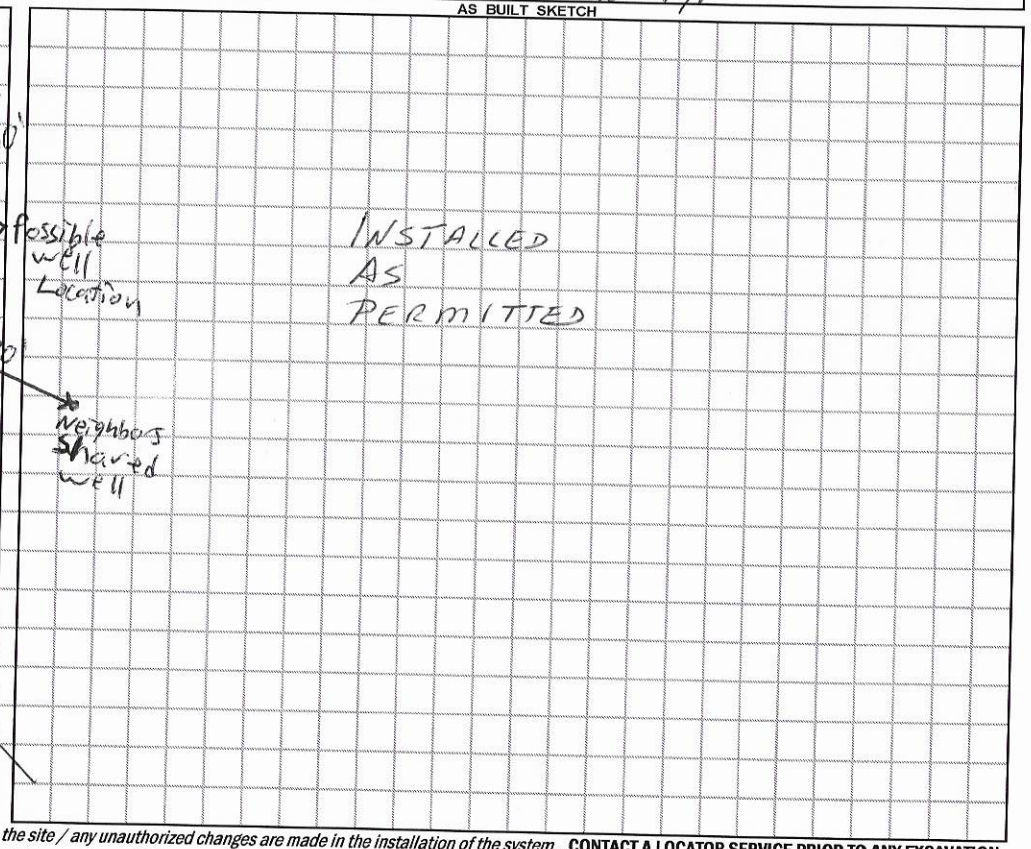
Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install Lines on contour. 358' of line laied out only 327' needed. DO NOT drive on, grade, store material or manipulate drainfield in any way. NO Foundation Drains can be installed around house. Property Lines and corners must be marked during time of installation and inspection by licenced surveior. Drain lines must be 15' off storm water ditch and gully.

INITIAL SITE SKETCH



AS BUILT SKETCH



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: [signature]

IMPROVEMENT PERMIT by: Patrick Boyle III Date: 3-11-2020

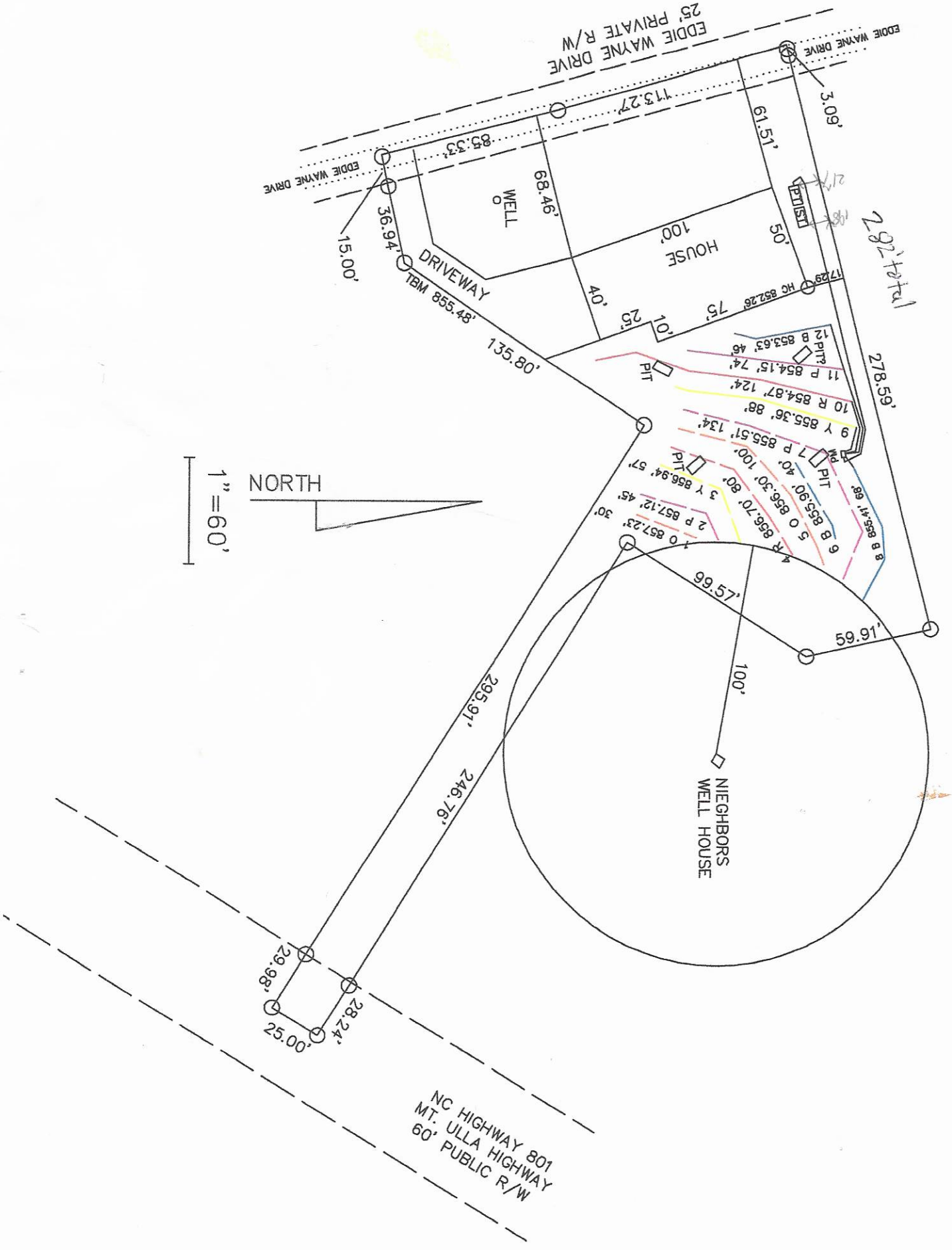
AUTHORIZATION TO CONSTRUCT by: Patrick Boyle III Date: 3/10/2020

Installed by: JST Enterprises (Joe Thompson)

OPERATION PERMIT by: Bryant C. White Date: 9-16-2020

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.


EDDIE WAYNE DRIVE
25' PRIVATE R/W
EDDIE WAYNE DRIVE
EDDIE WAYNE DRIVE
3.09'
113.27'
85.33'
61.51'
68.46'
WELL
HOUSE
100'
50'
PTIST
292' total
36.94'
15.00'
DRIVEWAY
TBM 855.48'
40'
25'
10'
75'
HC 852.26'
1729
135.80'
278.59'
PIT
12 PIT? B 853.63' 46'
11 P 854.15' 74'
10 R 854.87' 124'
9 Y 855.36' 88'
7 P 855.51' 134'
PIT
PIT
6 B 855.90' 40' 100'
5 O 856.30' 80'
3 Y 856.94' 57'
4 R 856.70' 80'
2 P 857.12' 45'
1 O 857.23' 30'
8 B 856.41' 69'
99.57'
59.91'
100'
NEIGHBORS WELL HOUSE
295.97'
246.76'
29.98'
28.24'
25.00'
1"=60'
NORTH
NC HIGHWAY 801
MT. ULLA HIGHWAY
60' PUBLIC R/W

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

Sheet 2 of 2
PROPERTY ID #: 4668548559
COUNTY: Iredell

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

OWNER: Josh Sherrill
ADDRESS: 108 Bunnell Rd 28115
PROPOSED FACILITY: New Single Fam PROPOSED DESIGN FLOW (.1949): 480GPD
LOCATION OF SITE: 124 Eddie Wayne Dr Mooresville NC 28115

APPLICATION DATE 9/26/19
DATE EVALUATED: 10/21/19
PROPERTY SIZE: 1.0 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	SS 3%	0-10	SCL SBK	Fr SS SP Sap	5Y7/3 @ 18"	50"	Litho Inclusions Scattered throughout	—	PS .275
		11-32	CL SBK/ABK	Fr SS SP Sap	other: YB mottles scattered throughout				
		32-50	CL SBK	Fr SS SP Sap					
6	SS 5%	0-10	Fill	—	YB mottles scattered throughout	52"	Litho Inclusions Scattered throughout	Rocks Scattered throughout Saprolite similar towards bottom	PS .275
		10-38	CL SBK ABK	Fr S P Sap					
		38-52	CL ABK	Fr SS SP Sap					
7	SS 4%	0-12	Fill	—	YB mottles scattered throughout	60"	Litho inclusions in Fill 32" Saprolite below	Rocks Scattered throughout	PS .275 @ 32" Fill
		12-19	Organic	—					
		19-30	CL SBK/ABK	Fr SS SP Sap					
		30-60	CL ABK	Fr SS SP Sap					
8	SS 2%	0-9	Fill	—	YB mottles scattered throughout	60"	Litho inclusions throughout	Rocks and roots Scattered throughout	PS .275 @ 32" Fill
		9-12	SCL SBK	Fr SS SP Sap					
		12-33	CL SBK	Fr S P Sap					
		33-60	Sap Matl	VFr					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	436'	291
System Type(s)	25% Red	LPPPBPS
Site LTAR	.275	.275

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Patrick B
OTHER(S) PRESENT: Heather and Kayla

COMMENTS: Cloudy finally had some Rain. Front yard evaluation House moved

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

Sheet 1 of 2
PROPERTY ID #: 466904859
COUNTY: Iredell

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

OWNER: Josh Sherrill
ADDRESS: 108 Pennell Rd 28115
PROPOSED FACILITY: New single fam PROPOSED DESIGN FLOW (.1949): 480GPD
LOCATION OF SITE: 124 Eddie Wayne Dr Mooresville NC 28115
APPLICATION DATE 9/26/18
DATE EVALUATED: 10/7/18
PROPERTY SIZE: 1.07 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	SS 14%	0-7	SCL WSBK	Fr SS SP SOM P	—	60"	Litho inclusions starting at 34" more common at bottom	—	PS.3
		7-32	C SBK	Fr SS SP SOM P					
		32-60	LL SBK	Fr SS SP SOM P					
2	SS 2%	0-5	SCL WSBK	Fr SS SP SOM P	—	60	Litho inclusions starting at 24" more common at bottom	—	PS.3
		5-30	C SBK	Fr SS SP SOM P					
		30-60	LL SBK	Fr SS SP SOM P					
3	SS 2%	0-5	SCL WSBK	Fr SS SP SOM P	—	60"	Litho inclusions starting at 24" more common at bottom	Vaginot Parent material between 25-34" on one side of 1 pit Soft Rock at bottom	PS.275
		5-33	C SBK	Fr SS SP SOM P					
		33-60	LL SBK	Fr SS SP SOM P					
4	SS 5%	0-10	SCL WSBK	Fr SS SP SOM P	—	60	Litho Inclusions Starting at 24" More Common at bottom	—	PS.3
		10-27	C SBK	Fr SS SP SOM P					
		27-60	LL SBK	Fr SS SP SOM P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	406'	436'
System Type(s)	Pump 25%	Pump 25%
Site LTAR	.3	.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Patrick B
OTHER(S) PRESENT:

COMMENTS: Back Yard

480 ÷ .275
→ 1746 ÷ 3
→ 582 X .5
→ 291'

480 ÷ .3
→ 1600 ÷ 3
→ 533 X .5
→ 267'

480 ÷ .3
→ 1600 ÷ 3
→ 533 X .75
→ 400'

480 ÷ .275
→ 1746 ÷ 3
→ 582 X .75
→ 436'

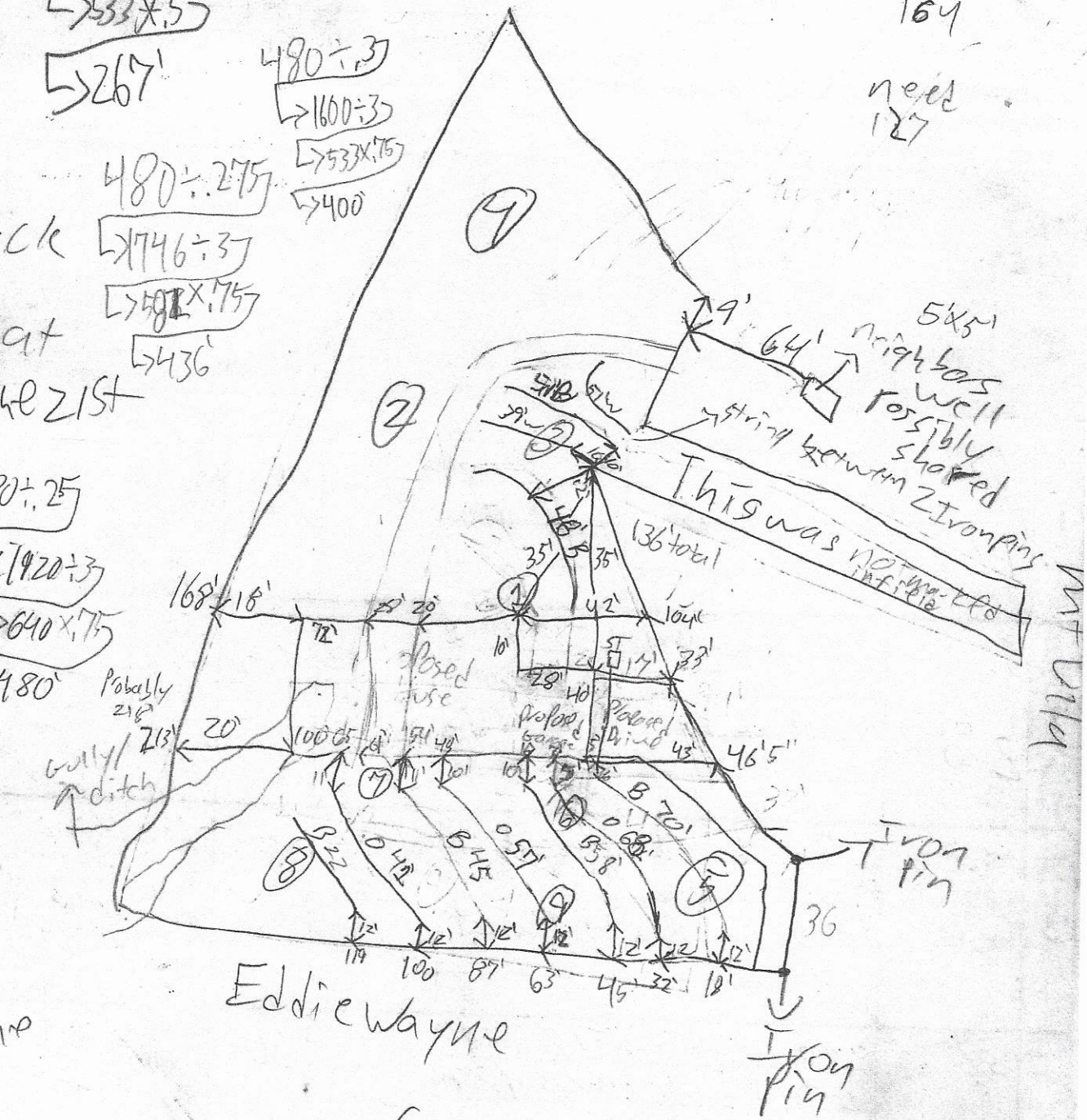
Comeback and look at Pits on the 21st

480 ÷ .25
→ 1920 ÷ 3
→ 640 X .5
→ 320'

480 ÷ .25
→ 1920 ÷ 3
→ 640 X .75
→ 480'

164

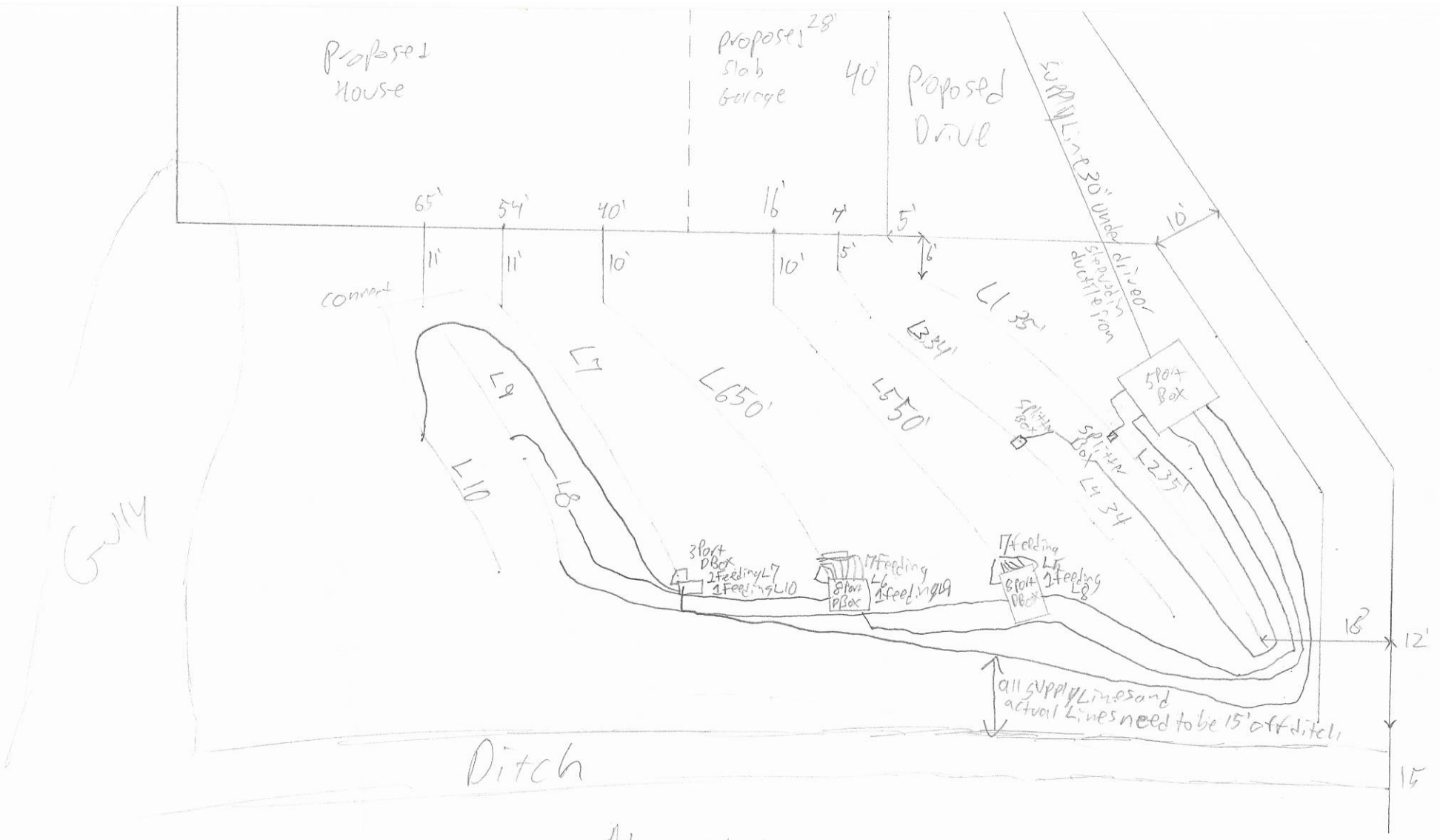
need 127



Supply Line must be either 30" deep or stranded in ductile iron

Garage is slab House is crawlspace

Start of first Line is 5' to hot garage when turned to 6' down and 8' diagonal



L1=35' > splitter box
L2=35'
L3=34' > splitter box
L4=34'

Also need a 5 port DBox to start

L5=50' + L8=16' > 8 port DBox with 7 ports going to L5 and 1 going to 8

L6=50' + L9=16' 8 port DBox with 7 ports going to L6 and 1 port going to L9

L7=45' + L10=22' > 3 port with DBox 2 ports going to L7 and 1 port going to L10

L1 = 70
L2 = 68
L3 = 58 66
L4 = 57 66
L5 = 45 ✓
L6 = 41 9+8 = 17
L7 = 22 ✓

L1 = 70
L2 = 68
L5+L7 = 67
L3 = 66
L4 = 66

67

58 +12 = 70
57 +10 = 67
41

5 port Box

L_1 = 70 => 2 × 35 (splitter)
L_2 = 68 => 2 × 34 (splitter)
$L_3 + L_6$ 58 + 8 = 66 — 8 port box (7 feeding 58' line, 1 feeding 8' line)
$L_4 + L_6$ 57 + 9 = 66 — 8 port box (1 feed 9' line, 7 feeding 57)
$L_5 + L_7$ 45 + 22 = 67 — 3 port box (2 feed 45' line, 1 feeding 22' line)
67% 32% 337

Splitter Box (57') 2 × 28.5
Splitter Box (58') 2 × 29'

50 + 16 => 4 port box (3 feeding 50' line, 1 feeding 16' line)
50 + 16 " " " " " " " " "

if not then PW
L1 3/4 SCH40 L3 3/4 SCH80 L5 1/2 sch 40
L2 3/4 SCH40 L4 3/4 SCH80 L6 1/2 SCH 40

Carolina Soil & Septic Consulting, PLLC

P.O. Box 1703, Mooresville, NC 28115

Phone: (704) 202-5791 Email: adrianpruett@yahoo.com

NC Licensed Soil Scientist, SC Professional Soil Classifier,
Certified Septic System Operator, Licensed Septic Installer,
Certified Septic Inspector

Proposed design for a 25% Reduction Septic System with Pressure Manifold distribution for a 4 bedroom single family residence on Lot 1 of Donna K Brown Prop., 124 Eddie Wayne Dr., Iredell County, North Carolina.

Contents:

	Page
Information for the Installer	1
Design Information	
Design Specifications	2
Layout Specifications	3
System Tapsheet	4
Pressure Manifold Diagram	5
Site Plan/System Plan	6
Calculations	7

December 2, 2019
Job Number: 19219
Design By: Adrian L. Pruett

INFORMATION FOR INSTALLER:

- The permit should be read very carefully prior to submitting bid. 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 when requested.
- All tanks shall be properly back filled and compacted to prevent slumping at a later date.
- The installer is responsible for final grades and returning that grade to original, with exception of added structural features.
- The supply trench shall be compacted to eliminate any 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 has no more than 1/4"fall in 10 feet with no high or low areas within. If high or low areas do exist after trench excavation, high areas should be removed rather than filling in low areas. Do not over excavate trenches! Any fine grading should be completed by hand with a rake and shovel, leaving no loose material.
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral to prevent unwanted lateral water movement.
- Elevations at pin flag locations should be checked by the installer prior to beginning trenches to insure accuracy.
- Pump tank riser should be 6" above grade, control panel should be 12" above grade.
- If septic tank riser is used it should be a minimum of 6" above finished grade or within 6" below finished grade.
- **Design precludes use of foundation drains on the residence and assumes back filling for positive drainage unless other wise noted.**
- Trench walls should be raked, limed and installed at the depth specified by this design.
- Rake trench walls, lime sidewalls, install trenches 36" wide and have no more than 1/4" fall in 10 feet.
- **System is specified as a 25% Reduction Pressure Manifold installation.**
- **Repair is specified as a 25% Reduction Pressure Manifold installation.**
- **If grading for slab foundation is utilized do not grade/create greater than 2 ft of elevation difference within 15 ft of any component of the septic or repair. If back filling do not backfill over any initial or repair septic line.**

PRESSURE MANIFOLD SYSTEM
DESIGN SPECIFICATIONS

Owner:	Josh & Amy Sherrill
Address:	108 Dunnell Rd. Mooresville, NC 28115
Phone:	704-223-2994
County:	Iredell
Location:	124 EDDIE WAYNE, LOT 1 DONNA K. BROWN
Drainfield Design Flow (gpd):	480
Loading/Soil Application Rate (gpd/ft.^{2}):	0.3
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Total Lateral Length From Layout:	400
Total Lateral Length Required:	400
Trench Depth:	32 in. Low side
Trench Width:	36 in.
Trench Spacing:	9 ft. on center
Trench Bottom Area:	1200
Repair Trench Spacing:	9 ft. on center
Repair Trench Depth:	32 in. Low side
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	154
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	26.80
Dosing Volume:	182.84
Pump Tank Draw Down:	8.7
Supply Manifold Size:	4 in. SCH 80 PVC
Supply Manifold Length:	4 ft. (minimum)
Supply Manifold Volume:	N/A
Recommended Dosing Controls:	Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	NEMA 4X Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	2.37
Elevation Head:	12.14
Total Dynamic Head:	21.35
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by CS&SC

**Pump tank draw down based on an industry standard volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

124 EDDIE WAYNE, LOT 1 DONNA K. BROWN
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 4 BEDROOM HOME

December 2, 2019

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM					855.48		
INSTR. 1							
HOUSE					852.26		
TANK					848.27		
1	ORANGE				857.23	30	30
2	PINK				857.12	45	45
3	YELLOW				856.94	57	57
4	RED				856.70	80	80
5	ORANGE				856.30	100	100
6	BLUE				855.90	40	40
7	PINK				855.51	134	134
8	***BLUE***				*855.41*	*80*	*68*
9	***YELLOW***				*855.36*	*110*	*88*
10	***RED***				*854.87*	*125*	*124*
11	***PINK***				*854.15*	*74*	*74*
12	***BLUE***				*853.63*	*46*	*46*
					Total	**921**	**886**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT[1]	TRENCH SYSTEM	DISTRIBUTION
** System*	*400*	*ACCEPT.*	*0.300*	*25% RED.*	**PRESSURE MANIFOLD**
Repair	486	ACCEPT.	0.275	25% RED.	PRESSURE MANIFOLD

Notes:
** TBM located at right front angle point (see site plan)
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS, HI, and FS indicate rod readings

Comments: Soil evaluation performed by Iredell County Environmental Health. Septic Layout, Site Plan and Design performed by CS&SC.
Iredell County has CS&SC's permission to relocate tanks and distribution devices as needed

PRESSURE MANIFOLD TAPSHEET - 124 EDDIE WAYNE, LOT 1

SYSTEM

Line #	Color	Elev	Length	Hole Size	Flow/Tap	gpd	Trench Area	Line LTAR
8	*BLUE*	*855.41*	*68*	SCH 80 1/2	**5.48**	30.56	204	0.15
9	*YELLOW*	*855.36*	*88*	SCH 40 1/2	**7.11**	39.65	264	0.15
10	*RED*	*854.87*	*124*	SCH 80 3/4	**10.1**	56.32	372	0.15
11	*P&B*	*854.15*	*120*	SCH 80 3/4	**10.1**	56.32	360	0.16
	total	**feet =**	**400**	**gal/min =**	**32.79**			
			Des. Flow	**480**				
			Pump Run=	**5.58**				
			LTAR	**0.300**				

Some lines flagged longer in the field, shorten to lengths shown here.

CALCULATIONS

Location 124 Eddie Wayne Dr.

Lot No: 1

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.3	$^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	154	ft.
Supply Line Volume	26.796	gal.
Amount of Line from Layout	400	ft.
Gallons per Minute	32.79	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Required Pump Tank Capacity	1000	gal.
Lateral Line Volume	261.2	gal.
Dosing Volume	182.84	gal.

Note: Dosing Volume based on 70% of lateral line volume

Tank Draw Down	8.7	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.58	minutes
Elevation Head	12.14	ft.
Pressure Head	2	ft.
Friction Factor	2.37	ft./100 ft. *(From the interpolater.)*
Friction Head	3.65	ft.
Total Dynamic Head (+20%)	21.35	ft.

FRICTION FACTOR INTERPOLATER

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

RECEIVED FEB 24 2020 AP-301135

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED $320.00

Iredell County Health 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: ( ) 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: JOSH SHERRILL Address: 124 EDDIE WAYNE DR Zip: 28115
Applicant Email: JSHERRILLDMA@GMAIL.COM Phone: 704-223-2994 Alt. Phone: —
Owner Name: JOSH SHERRILL Address: 108 DUNDELL RD Zip: 28115
Owner Email: SAME Phone: SAME Alt. Phone: —

Property Information:

Street Address: 124 EDDIE WAYNE DR MOORESVILLE NC 28115
Subdivision Name: HWY 801 Section/Phase: — Lot Number: —
Driving Directions: HWY 801 about [redacted] 1 MILE PAST 150 ON LEFT

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

(X) 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: 5
( ) Swimming Pool
( ) Other Addition/Structure:

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

Non-Residential Site Development: Type of Business:
Square Footage of Building: 2802 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:

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: [signature] 2/24/2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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*) _____

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, JOSH SHERRILL, am the legal owner(s) of the property located at 124 EDDIE WAYNE DRIVE, 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.

_____ 2-24-2020

Signature of Owner(s) Date

Mooresville - Environmental Health
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

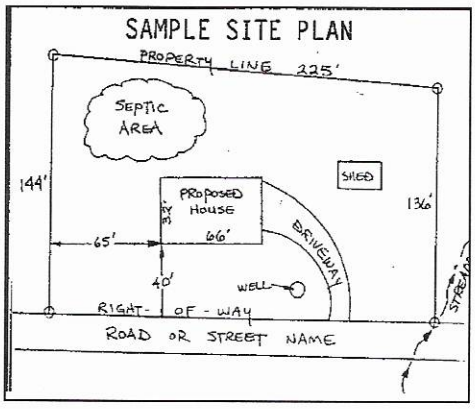
Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *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 PERMIT!!!*



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

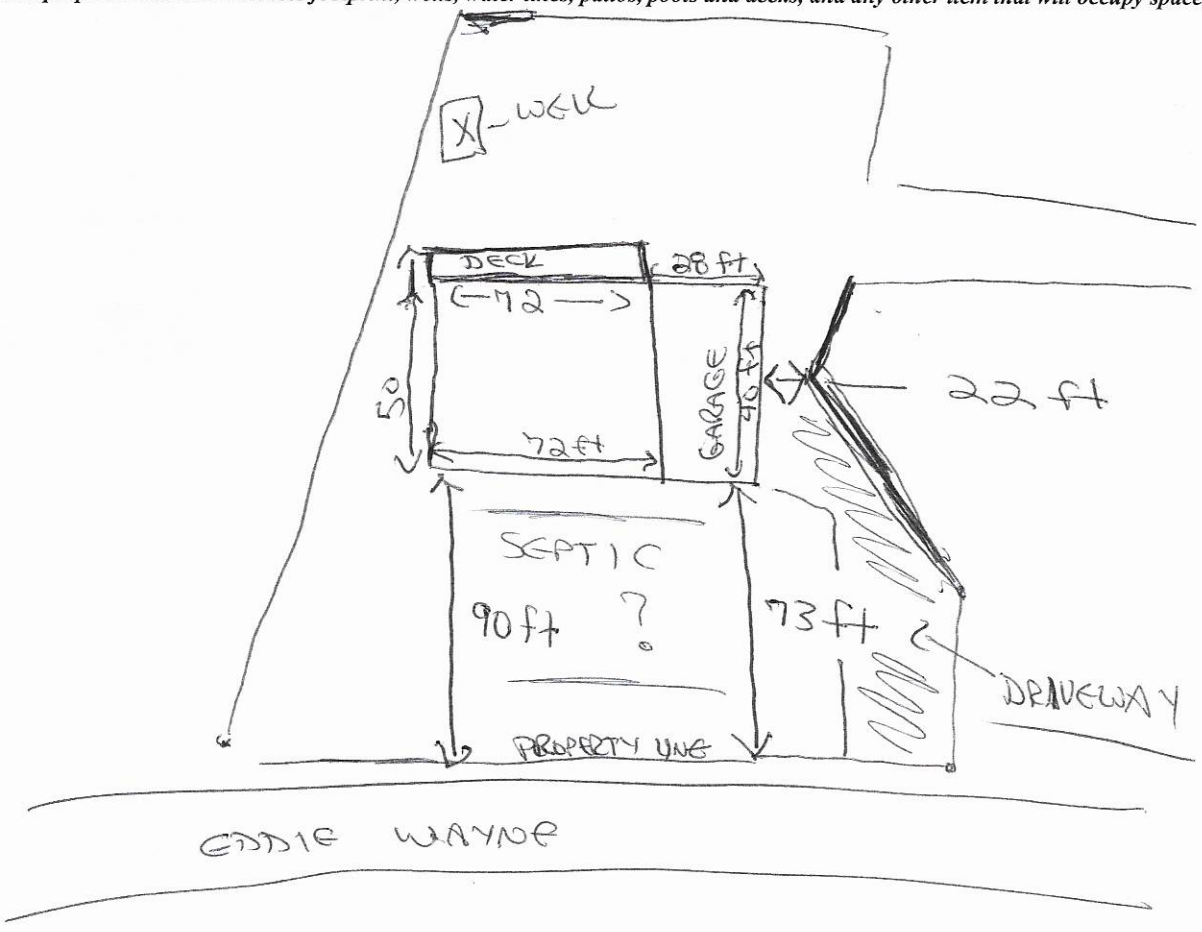
- ( ) Property Line measurements are clearly identified
- ( ) All proposed structures are indicated
- ( ) Front and side setbacks from property line
- ( ) Preferred driveway location and well location
- ( ) Area you prefer your septic system to be placed
- ( ) North arrow, or other sufficient indicator 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

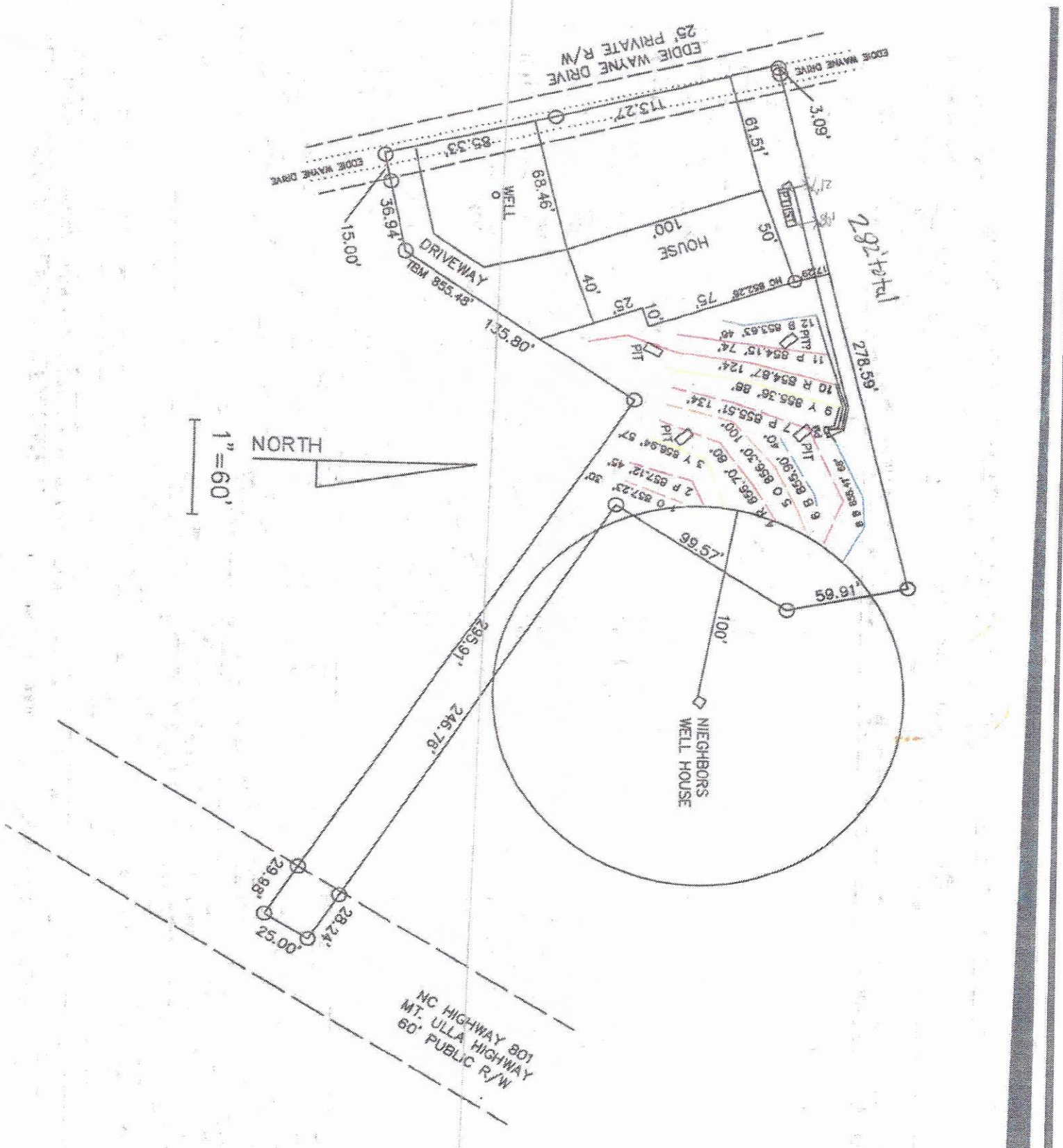


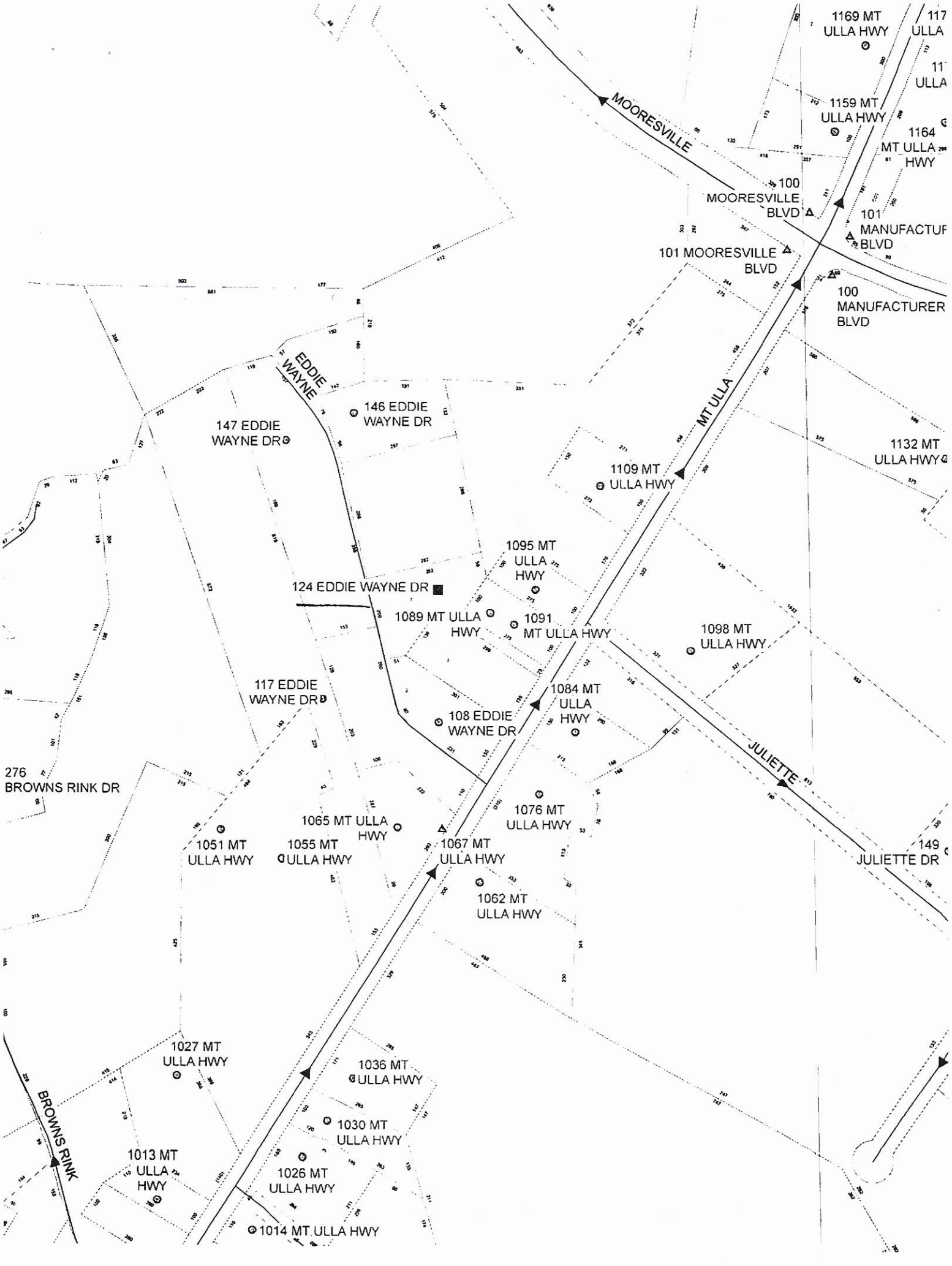
Signature: _____

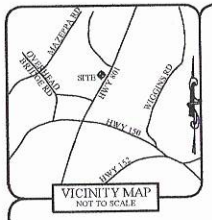
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

2-24-2020

DATE


EDDIE WAYNE DRIVE
25' PRIVATE R/W
EDDIE WAYNE DRIVE
EDDIE WAYNE DRIVE
713.27'
85.33'
3.09'
61.51'
68.46'
WELL
HOUSE
100'
50'
40'
25'
75'
292.12' total
15.00'
36.94'
DRIVEWAY
TBM 855.48'
135.80'
278.59'
1" = 60'
NORTH
99.57'
59.91'
100'
NEIGHBORS
WELL HOUSE
295.91'
246.78'
29.93'
28.24'
25.00'
NC HIGHWAY 801
MT. ULLA HIGHWAY
60' PUBLIC R/W


1169 MT ULLA HWY
117 ULLA
11 ULLA
1159 MT ULLA HWY
1164 MT ULLA HWY
MOORESVILLE
100 MOORESVILLE BLVD
101 MANUFACTUF BLVD
101 MOORESVILLE BLVD
100 MANUFACTURER BLVD
EDDIE WAYNE
146 EDDIE WAYNE DR
147 EDDIE WAYNE DR
MT ULLA
1132 MT ULLA HWY
1109 MT ULLA HWY
1095 MT ULLA HWY
124 EDDIE WAYNE DR
1089 MT ULLA HWY
1091 MT ULLA HWY
1098 MT ULLA HWY
117 EDDIE WAYNE DR
1084 MT ULLA HWY
108 EDDIE WAYNE DR
JULIETTE
276 BROWNS RINK DR
1076 MT ULLA HWY
1065 MT ULLA HWY
1051 MT ULLA HWY
1055 MT ULLA HWY
1067 MT ULLA HWY
149 JULIETTE DR
1062 MT ULLA HWY
1027 MT ULLA HWY
1036 MT ULLA HWY
BROWNS RINK
1030 MT ULLA HWY
1013 MT ULLA HWY
1026 MT ULLA HWY
1014 MT ULLA HWY



I, J. ERIC CLEMMER, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DESCRIPTION IN MAP BOOK 69, PAGE 62 OF THE IREDELL COUNTY PUBLIC REGISTRY); THE ERROR OF CLOSURE AS CALCULATED BY LATITUDES AND DEPARTURES IS GREATER THAN 1:10,000. THAT THE DEEDS AND MAPS NOTED WERE USED AS REFERENCES. THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION INDICATED; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30(F)(11)(D) AS AMENDED. WITNESS MY HAND AND SEAL THIS [illegible] DAY OF [illegible], 2020.

PRELIMINARY

NOT FOR RECORDATION, SALES OR CONVEYANCE.

J. Eric Clemmer, Surveyor L-5315

I ALSO CERTIFY THAT THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.

NORTH CAROLINA PROFESSIONAL SEAL L-5315 LAND SURVEYOR J. ERIC CLEMMER

THE PURPOSE OF THIS PLAT IS TO RECOMBINE LOT LINES OF LOT 3 WITH LOT 1. THE RECODING OF THIS PLAT WILL SUPERCEDE SAID LOTS OF MAP BOOK 69, PG 62 OF THE IREDELL COUNTY REGISTRY.

NORTH PER MAP BOOK 69, PAGE 62

AREA TRANSFER TABLE		
LOT #	SQ.FT.	ACRES
1	1,000	0.023
3	1,000	0.023

OWNER CERTIFICATE FOR EXCEPTION PLATS

KNOW ALL MEN BY THESE PRESENTS, THAT I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I HEREBY ACKNOWLEDGE THIS PLAT AND ALLOTMENT TO BE MY FREE ACT AND DEED.

Owner _____ Date _____

Owner _____ Date _____

Owner _____ Date _____

STATE OF NORTH CAROLINA COUNTY OF _____, I, _____, A NOTARY PUBLIC FOR SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT _____, & PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THE DUE EXECUTION OF THE FOREGOING INSTRUMENT. WITNESS MY HAND AND OFFICIAL SEAL, THIS, THE _____ DAY OF _____, 2018.

NOTARY PUBLIC

MY COMMISSION EXPIRES _____, 20_____

LINE	BEARING	DISTANCE
L1	N 12°46'09" W	16.74'
L2	N 79°23'02" E	68.70'
L3	N 79°21'17" E	50.94'
L4	N 56°46'42" W	28.24'
L5	N 33°04'43" E	25.00'
L6	N 56°46'22" W	29.98'
L7	S 56°17'18" E	29.95'
L8	N 35°03'00" W	59.46'

LEGEND:

- #4 REBAR FOUND
- #4 REBAR SET
- COMPUTED POINT
- SUBJECT PROPERTY LINE
- ADJOINER PROPERTY LINE
- BUILDING SETBACK
- HWY 801 R/W
- EDDIE WAYNE DR R/W
- FORMER PROPERTY LINE

NOTES:

1. *NO NCGS MONUMENT FOUND WITHIN 2000'.*
2. *PROPERTY MAY BE SUBJECT TO OTHER COVENANTS, RESTRICTIONS, EASEMENTS OR RIGHTS-OF-WAY THAT MAY BE OF RECORD.*
3. *ALL DISTANCES SHOWN ARE SURFACE HORIZONTAL DISTANCES.*
4. *IRON PINS FOUND OR SET AT ALL PROPERTY CORNERS UNLESS OTHERWISE NOTED.*
5. *ALL AREAS SHOWN HEREON WERE COMPUTED USING THE COORDINATE COMPUTATION METHOD.*
6. *THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION DATED: 03/18/2008 FIRM COMMUNITY PANEL NUMBER: 3710466800J.*
7. *THE TOTAL SITE AREA IS 137,539 SQ. FT. OR 3.158 ACRES..*
8. *BUILDING SETBACKS PER CURRENT IREDELL COUNTY'S R-A ZONING:*

FRONT - 35'
REAR - 35'
SIDES - 15'
CORNER - 25'

9. *THE PROPERTY IS LOCATED IN THE WSII-BOW WATERSHED.*
10. *THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF TITLE COMMITMENT REPORT. PROFESSIONAL PROPERTY SURVEYOR'S DOES NOT CLAIM THAT ALL MATTERS OF RECORD WHICH MAY AFFECT THE SUBJECT PROPERTY AREA SHOWN HEREON.*
11. *HEALTH DEPARTMENT DISCLAIMER: AS OF THE DATE OF THIS RECORDING, THE LOTS REPRESENTED ON THIS PLAT HAVE NOT BEEN INSPECTED OR APPROVED BY THE HEALTH DEPARTMENT. UNTIL INSPECTED THERE IS NO ASSURANCE THAT A BUILDING PERMIT WILL BE ISSUED.*
12. *THIS MAP IS INVALID UNLESS IT BEARS THE ORIGINAL SEAL AND SIGNATURE OF SURVEYOR.*

N/F 4668-84-6747 DEBORAH B. BOWERS DB 677, PG 302

#4 REBAR FOUND 3.09' ONLINE

N 77°13'00" E (278.59') 281.68' (TOTAL)

N/F 4668-84-8794 CHERYL B. BEARD DB 677, PG 35

4668-84-8590 JOSHUA D. SHERRILL AMY B. SHERRILL DB 2596, PG 735

LOT 1 46,622 SQ. FT. 1.070 ACRES

#4 REBAR SET 15.0' ONLINE

L3 (TOTAL) (35.94')

L2 (TOTAL) (68.70')

#4 REBAR 15.0' ONLINE

S 35°06'46" W 56.75'

S 67°54'12" W 66.99'

S 11°10'27" E 59.91'

N/F 4668-95-3090 CARL A. BROWN DB 537, PG 75

S 33°32'51" W 99.57'

35' FRONT SETBACK

35' REAR SETBACK

15' SIDE SETBACK

GRAVEL DRIVE

N/F 4668-84-7287 GERALD O. BROWN DB 677, PG 288

EDDIE WAYNE DRIVE 25' PRIVATE RIGHT OF WAY (PER DB 2049, PG 862)

25' CORNER SETBACK

4668-84-9274 DONNA K. BROWN DB 2049, PG 862

LOT 2 TOTAL AREA 45,896 SQ. FT. 1.054 ACRES

4668-84-0346 DONNA K. BROWN DB 2049, PG 862

LOT 3 TOTAL AREA 45,021 SQ. FT. 1.034 ACRES

S 56°17'18" E 300.76'

S 56°46'22" E 259.61'

S 56°46'42" E 246.76'

N 56°49'17" W 244.40' (TIE LINE)

N/F 4668-94-1446 GERALD O. BROWN DB 2054, PG 05

N/F 4668-94-2505 CARL A. BROWN JUANITA O. BROWN DB 2078, PG 1993

AREA IN RIGHT OF WAY 750 SQ.FT. (0.017 ACRES)

APPARENT RIGHT OF WAY LINE

S 32°11'46" W 99.77' (TIE LINE)

AREA IN RIGHT OF WAY 4,602 SQ.FT. (0.105 ACRES)

AREA IN RIGHT OF WAY 4,147 SQ.FT. (0.095 ACRES)

EDGE OF PAVEMENT

S 33°03'22" W 154.71'

S 33°05'10" W 138.52'

EDGE OF PAVEMENT

NC HIGHWAY 801
MT. ULLA HIGHWAY
60' PUBLIC R/W

FAMILY DIVISION MAP OF THE DONNA K. BROWN PROPERTY (REVISION TO MB 69, PG 62)

- PROPERTY OF -
DONNA K. BROWN &
JOSHUA D. & AMY B SHERRILL
-SITE ADDRESS-
108 & 124 EDDIE WAYNE DRIVE
MOORESVILLE, IREDELL COUNTY, NORTH CAROLINA
CODDLE CREEK TOWNSHIP
AS RECORDED IN DEED BOOK 2049, PAGE 862 & DEED BOOK 2596, PG 735
TAX PARCELS: 4668-84-8590 & 4668-94-0346
SURVEY DATE: 9/27/2018 MAP DATE: XX/XX/2020

Professional Property Surveyors, Inc.
Firm License C-3666
18335 Old Statesville Rd.
Suite A
Cornelius, N.C. 28031
(704) 765-5134 Phone/Fax

REVISION TABLE			
NO.	DATE	DESCRIPTION	BY
1	10/25/18	COMMENTS MADE BY THE IREDELL CO. PLANNING DEPT	JML
2	11/06/18	25' PANHANDLE ACCESS TO HWY 801	JML
3	1/21/20	LOT LINE REVISION	JML

PROJECT #011720-01 BY: JML

CERTIFICATE OF APPROVAL

I, HEREBY CERTIFY THAT THIS PLAT FOR RECORDATION IS AN EXCEPTION TO THE SUBDIVISION ORDINANCE OF IREDELL COUNTY, NORTH CAROLINA.

SUBDIVISION ADMINISTRATOR IREDELL COUNTY, NORTH CAROLINA DATE:

REVIEW OFFICER CERTIFICATION
State of North Carolina, County of Iredell

I, _____, REVIEW OFFICER OF IREDELL COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL THE STATUTORY REQUIREMENTS FOR RECORDING.

REVIEW OFFICER DATE

Graphic Scale
40 20 0 40
Scale of Drawing 1 Inch = 40 Feet

dex [https://www.edapia.com/m/mod/cbs/A79775/index.cpc?strict;scale=fitheight;controls=all,!view;page=7]

APPROVED BY
NTA INC. 07/21/2010
Approval of the enclosed plans and specifications does not constitute approval of any deviation or deviations from the requirements of applicable State laws.
Mike Faller

100'

42'

28 ft

ALL REGISTERS TO BE CEILING DIFFUSERS

R/A GRILL ON SITE BY BUILDER

ON SITE GARAGE LOCATION (28'-0" X 40'-0")

6'-0" ROUGH OPENING IN GABLE PANEL FOR ON SITE GARAGE ACCESS

LIVING ROOM
KITCHEN
NOOK
GAME ROOM
DINING ROOM
FOYER
PORCH AREA
BATH 1
BATH 2
BATH 3
REDROOM 1
REDROOM 2
REDROOM 3/ STUDY
UTILITY
LINEN
COAT

SEE BEAM CALCULATIONS FOR BEAM SPAN DETAILS AND UPLIFT CONNECTION REQUIREMENTS

LIGHT & VENT CHART					
	AREA OF ROOMS (FT)	LIGHT REQUIRED	LIGHT SUPPLIED	VENT REQUIRED	VENT SUPPLIED
LIV/DIN	537	42.96	53.73	21.48	27.72
GAME ROOM	289	23.12	23.66	11.56	12.12
BEDROOM 1	251	20.08	23.66	10.04	12.12
BEDROOM 2	143	11.44	23.66	5.72	12.12
BEDROOM 3	139	11.12	23.66	5.56	12.12

CHAMPION HOME BUILDERS INC.

INNOVATIVE HOME-BUILDING SYSTEMS
SALISBURY NORTH CAROLINA

MARRIAGE & SIDEWALLS	SERIAL NO. A0058	PLAN SPECS:	
P-7028	PROP NO. 7028	ROOF PITCH	8/12
BUILDER: ODELL STAMEY	WIND ZONE 100 (MPH)	ROOF CENTERS	24"o.c.
RETAIL: STAMEY	DEL.ST. NC CODE: IRC	SIDE WALL HEIGHT	108"
41'-7"x72'-0"		EXTERIOR WALLS	16"o.c.
SCALE: 3/16"=1'-0" B.RANCH	DRWN: RC DATE: 7.09.10	INTERIOR WALLS	24"o.c.

PLAN NOTES:
1.) SEE JOB ORDER FOR ALL SPECIFICATIONS
2.) SEE PAGE QC-5A OF QA MANUAL FOR MARRIAGE WALL HEADER CHART
2.) SEE PAGE QC-5A OF QA MANUAL FOR EXTERIOR WALL HEADER CHART

R602.10.3 BRACED WALL PANEL CONSTRUCTION METHODS. THE CONSTRUCTION OF BRACED WALL PANELS SHALL BE IN ACCORDANCE WITH THE METHOD 3 IN SECTION R602.10.3 UNLESS OTHERWISE SPECIFIED

DO NOT BUILD FOUNDATION BY HOUSE DIMENSIONS -SEE FOUNDATION PLAN FOR DIM's-

PAGE NO. 6

IREDELL COUNTY · NC

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

APPLICATION NUMBER
301135 Issue Date: 09/23/2019

Permit Type: ZONING RESIDENTIAL

Parcel Number	Street Address	Jurisdiction
4668848590.000		

Owner Information	Applicant Information
Name: SHERRILL JOSHUA D+AMY B	Name: SHERRILL JOSHUA D+AMY B
Address:	Address:
Phone:	Phone:

Use Requested	Zone Code
	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.07	35	35	15	15		

Remarks

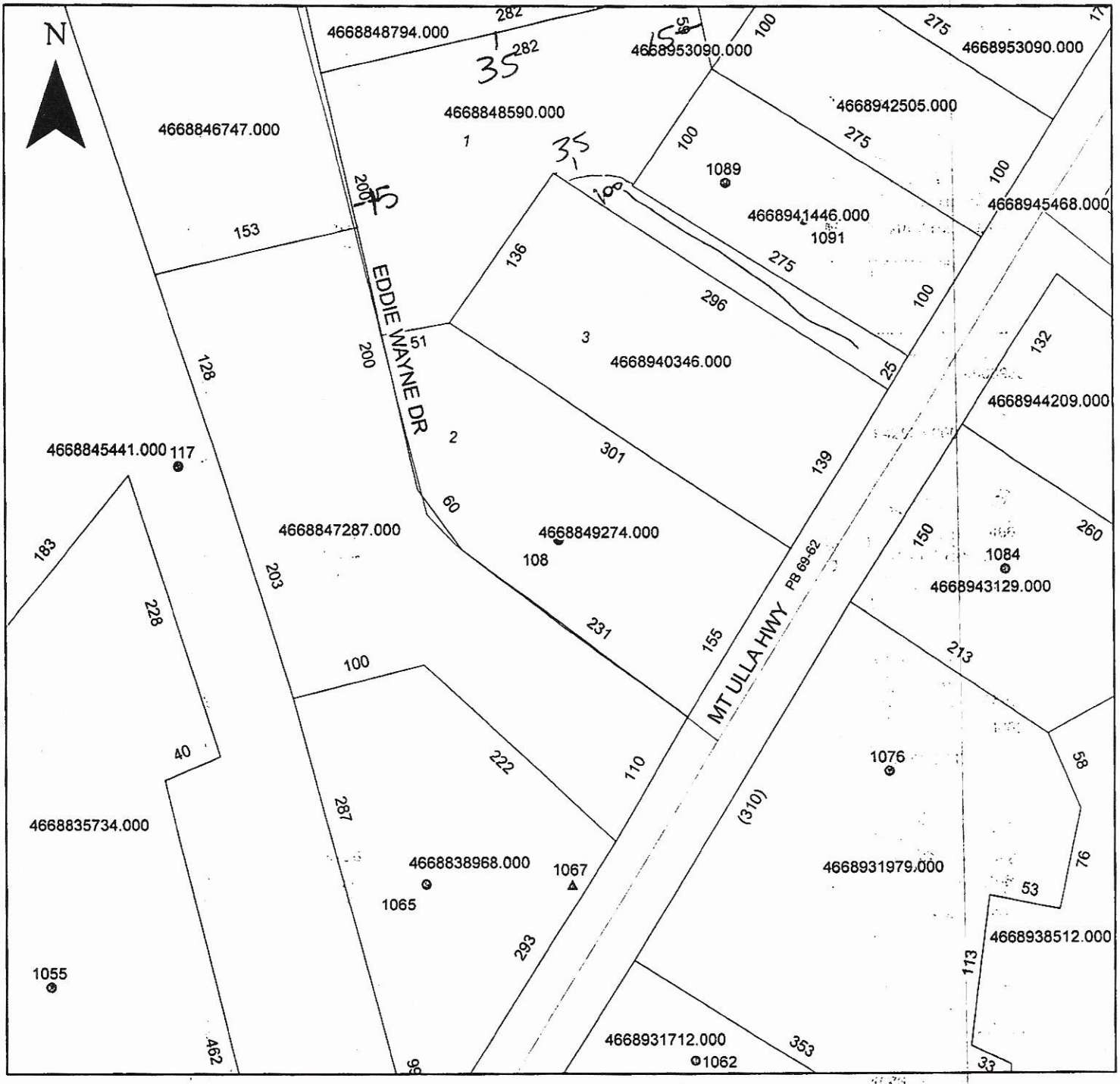
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions,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

Signature of Owner/Contractor

Date: 09/23/2019

Permit Number	000369	TOTAL FEES:	$77.25

ZONING DISCLAIMER



Property Address 124 Eddie Wayne Drive

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

9-23-19

Date