IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 219062

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

PIN # 4636511510

APPLICANT: W&L Investment Properties APPLICANT ADDRESS: 223 Cessna Concord NC 28027

SITE ADDRESS: 128 Ensign Pl. Mooresville, NC 28117 PHONE: 980-521-1393 ALT. PHONE:

SITE DIRECTIONS: Brawley School Rd TL Stutts Rd TR Bluewing TR Ensign on left

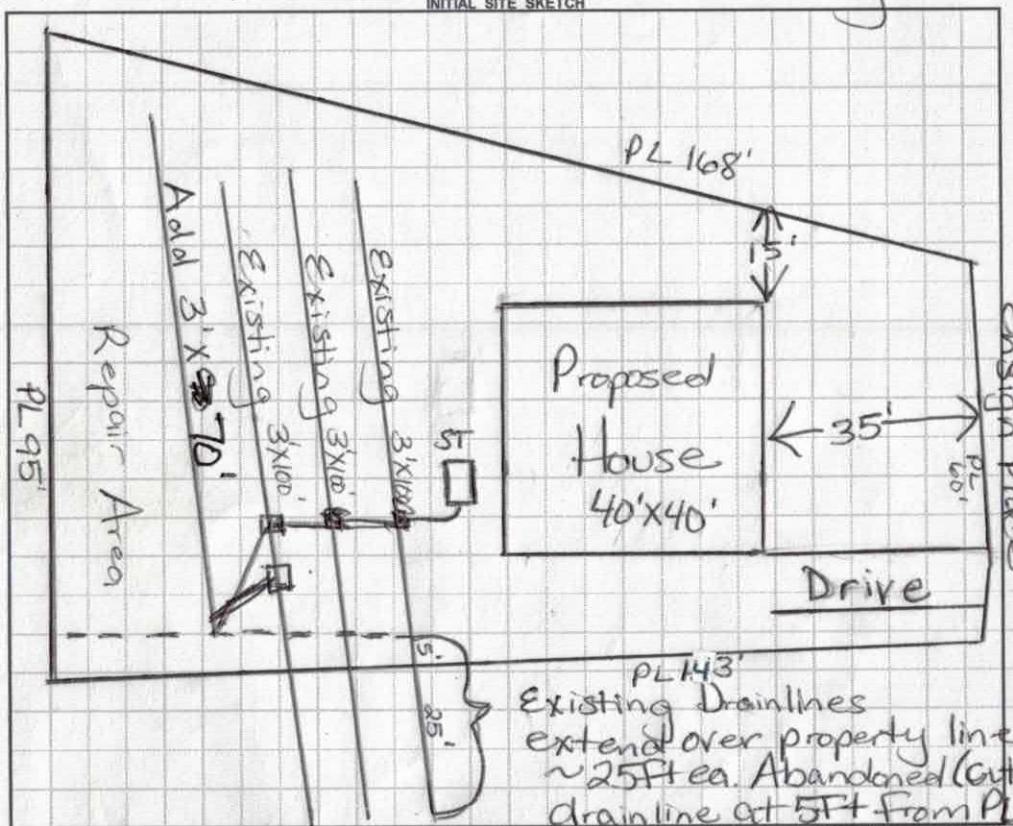
SUBDIVISION: Commodore Pennisula SECTION: 2 LOT # 291 LOT AREA: .25 AC DESIGN FLOW: 360gpd L.T.A.R.: .3

Septic Tank	Ex. 1000 (gal)	STB		Date		☐ 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:			Gravity-25% Reduction	☐ Business	No. Persons	6	☐ Private
Pump Make	Model		Serial #	70		Repair System Description:			Partial-25% Reduction	☐ Other	No. Employees		☒ Public
# Nitrification Fields	1 # Lines	1	Linear Ft:	~~90~~		Maintenance Agreement Required:		☐ YES	☒ NO	☒ Slab	☐ Crawl Space		☒ Community
Trench Width	36" Max. Trench Bottom Depth	36"	Gravel Depth	N/A				☒ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: Abandon/cut off part of existing drainlines that extend over property line. (approx. 30ft of each line) * Install new 90ft drainline below existing drainfield.

Serial feed drainfield.
* Lot recorded in 1963
Adding 80ft line 18ft-12ft from back PL.

INITIAL SITE SKETCH



AS BUILT SKETCH

Scale 1:30

Used Quick 4

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] Date: 08/18/16 Installed by: Adan Garcia

IMPROVEMENT PERMIT by: Maria Dotson RS Date: 7/30/16 OPERATION PERMIT by: Maria Dotson Date: 1/26/18

AUTHORIZATION TO CONSTRUCT by: Maria Dotson RS Date: 10/31/16 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: W&L Invest Prop
ADDRESS:
PROPOSED FACILITY:
LOCATION OF SITE: 128 Ensign Pl

APPLICATION DATE
DATE EVALUATED: 7/27/16
PROPOSED DESIGN FLOW (.1949): 360gpd
PROPERTY SIZE:
PROPERTY RECORDED: 2/1963

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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	L 4%	0-15	Brw to Rd/Brw SCL						.3+
		15-48	R C/CL	m-w SBK, SS, SP, SEXP, FR					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red.	25% Red
Site LTAR	.3	.3

OTHER FACTORS (.1946): Lot recorded 1963
SITE CLASSIFICATION (.1948):
EVALUATED BY: Maria Dotson/W. Sparks
OTHER(S) PRESENT: Initial Permit

COMMENTS:

RECEIVED MAY 2 4 2016

$ 250.00

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

#219062

Paid $250.00 8-18-16 Relocation

Application For:

( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment

(X) Septic Improvement Permit (X) 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:

Applicant Name: W&L investment properties **Address:** 223 Cessna Rd concord NC **Phone:** 9805-2139

Owner Name: Wei Xin **Address:** 223 Cessna Rd concord NC **Phone:** 9805-2139

Property Information:

Street Address: 128 ~~136~~ Ensign place, Mooresville NC 28117

Subdivision Name: From I77 North bound, get out of Commodore Peninsula **Section/Phase:** 2 **Lot Number:** 291

Driving Directions: Exit 36, make right on brawley school, make left on to Stutts Rd after 4 miles, make right on bluewing after 1 mile, make right on Ensign place next block

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: ~~8~~ 4
( ) Swimming Pool
( ) Other Addition/Structure:

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

Non-Residential Site Development:

Type of Business:
Square Footage of Building:
Maximum Number of Employee:
Maximum Number of Seats/Beds/Other:

Water Supply:

( ) New Well ( ) Existing Well (X) 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: _____ 05/21/16

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

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION:*

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...**

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

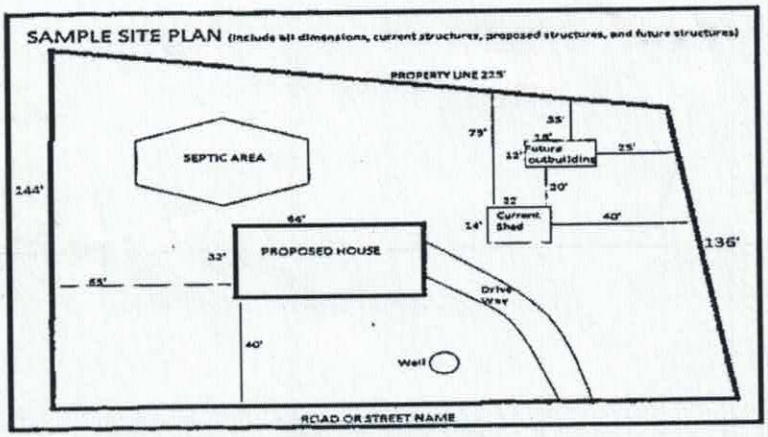
_____ **Front and side setbacks from property line...** _____ **Preferred driveway location and configuration, preferred well location...**

_____ **Area you prefer your septic system to be placed...** _____ **North arrow, or other sufficient indicator of direction...**

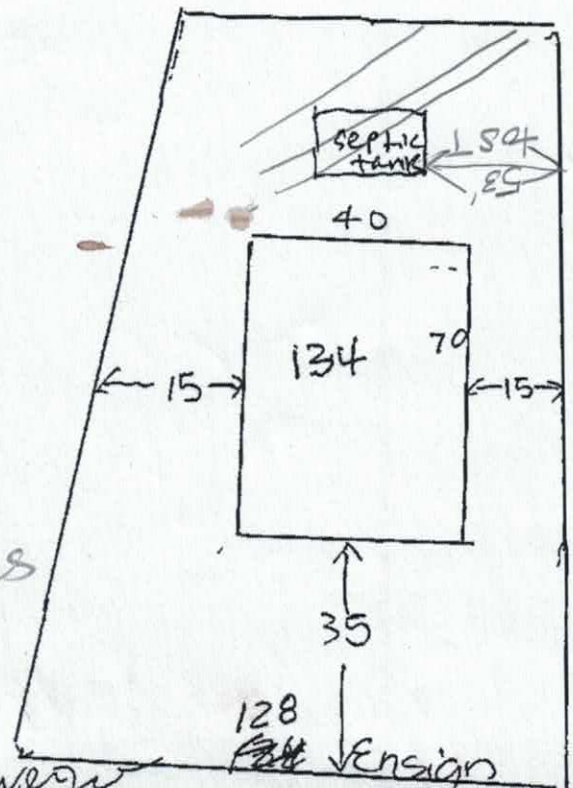
Circle N/A on the following if appropriate:

_____ **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



80' from front PL to ST

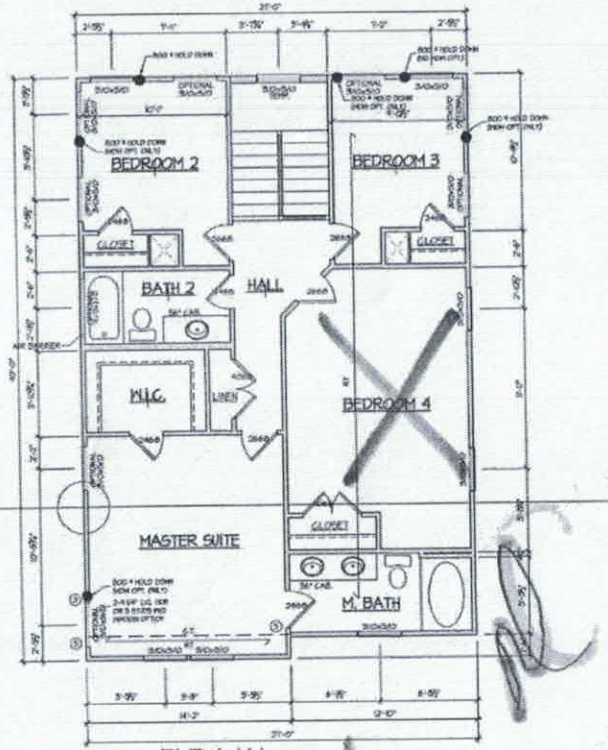
18' from ST to 1st Drainline Found 3 lines

25' of drainlines over the PL

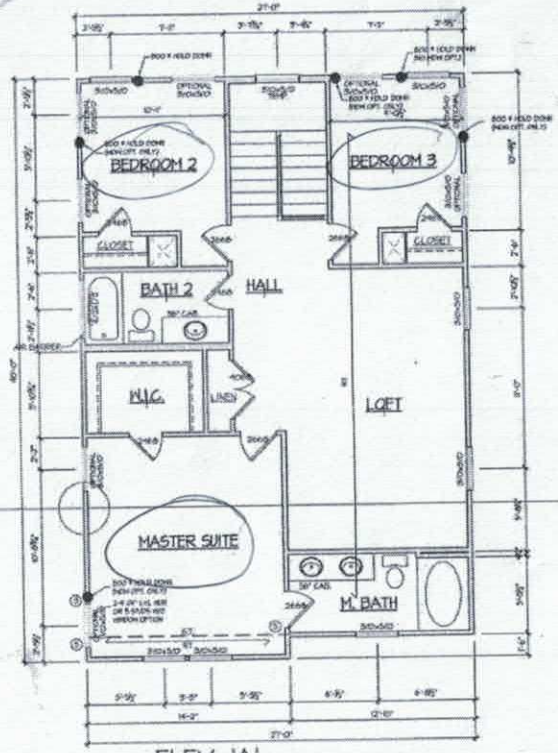
19' from ST to 2nd line

Signature: _____ 05/21/16

REQUIRED **property owner or owner's legal representative signature.** **DATE**



1/42 ELEV. 'A' SECOND FLOOR PLAN



2/42 ELEV. 'A' SECOND FLOOR PLAN

LOFT ONLY

Acknowledgement of Plans Submittal ONLY!

Date 10/31/16

Date 11-4-16

NORTH CAROLINA PROFESSIONAL SEAL 29249 5/19/14 ENGINEER KEVIN P. MUNSON

NORTH CAROLINA RESIDENTIAL STRUCTURES, P.C. No. C3295 CERTIFICATE OF AUTHORIZATION

RESIDENTIAL STRUCTURES, P.C.
3440 N. Davidson St.
Charlotte, N.C. 28205
Seal For Structural Only

LEGEND

① = 2x6 @ 19" RO @ 19.2 O.C.

② = 2x8 @ 19" RO @ 19.2 O.C.

④ = 5 1/8" PRI-40 I-JOISTS @ 19.2 O.C.

⑤ = 4 OR 3x4 JACK STUDS

SEE HIGHER 2-2x4 JACK STUDS @ END OF LOAD BEARING HEADER (TYP.)

R.T. = ROOF TRUSS

G.T. = GIRDER TRUSS

WALL BRACING NOTES:

NO WIND ZONE SHOWN IS 90 MPH WIND ZONE, EXPOSURE 'B' WALL BRACING

BWL = BRACED WALL LINE USING METHOD (CS-WSP) SHEET

● = SIMPSON HOLD DOWN LOCATION OR EQUAL AT 2ND FLOOR LEVEL

HOME BUILT IN A 90 MPH WIND ZONE WITH EXPOSURE 'B' USING METHOD CS-WSP. THE ENGINEERED BRACED WALL DESIGN MEETS OR EXCEEDS THE PRESCRIPTIVE REQUIREMENTS OF THE 2012 IRC.

-INSTALL 7/16" OSB SHEATHING TO ALL EXTERIOR WALLS. ATTACH W/ 8d COMMON NAILS @ 6" O.C. AT PERIMETER SUPPORTS & 12" O.C. AT INTERMEDIATE SUPPORTS

SECOND FLOOR NOTES:

- FULL 4" OR 6" EXTERIOR WALL HERE USED IN DETERMINING DIMENSIONS ON PLANS.
- ALL ANGLED WALLS ARE 45 DEGREES (IF NO DEGREES UNLESS NOTED OTHERWISE)
- ALL INTERIOR DOORS ARE 4" FROM HALL UNLESS NOTED OTHERWISE
- ALL KNEE WALLS ARE 3'-6" UNLESS NOTED OTHERWISE
- PROVIDE ATTIC ACCESS TO ALL ATTIC SPACES ACCORDING TO CODE.
- ALL OVERALL DIMENSIONS SHALL BE FROM OUT TO OUT OF FRAMING. INTERIOR DIMENSIONS SHALL BE FROM ONE SIDE OF STUD
- WHEN HOME IS REVERSED, HIGHER AND DRYER HOOKUPS TO REMAIN ORIENTED WITH WASHER ON LEFT AND DRYER ON RIGHT
- FRAMED CAVITY WALLS (i.e. TUBS, SHOWERS, STAIRS & FIREPLACES) SHALL BE INSULATED WITH AIR BARRIER PER ENERGY CODE.
- ANY WINDOW W/ A SILL OF LESS THAN 24" AFF. MUST HAVE HOLD IT MAY BE SUBJECT TO FALL PROTECT RULE.

PROJECT TITLE

PLAN 1690
FOR:
COPPER CONST.

PROJECT NUMBER

ISSUE DATE

DRAWING DATA

DRAWN BY
CHECKED BY
FILE NUMBER

SHEET TITLE

SECOND FLOOR PLAN

THIS DRAWING IS THE PROPERTY OF THE DESIGN STAFF, LLC AND IS NOT TO BE REPRODUCED IN WHOLE OR IN PART, OR USED FOR THE BENEFIT OF ANY PERSON WITHOUT WRITTEN PERMISSION FROM THE DESIGN STAFF, LLC. IT IS TO BE RETURNED UPON REQUEST.

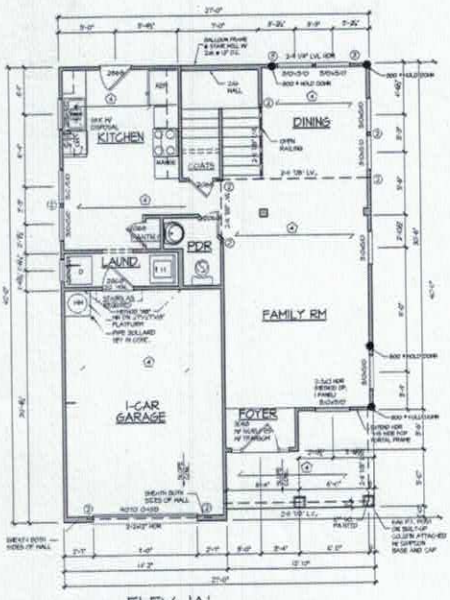
SHEET NUMBER

4.2

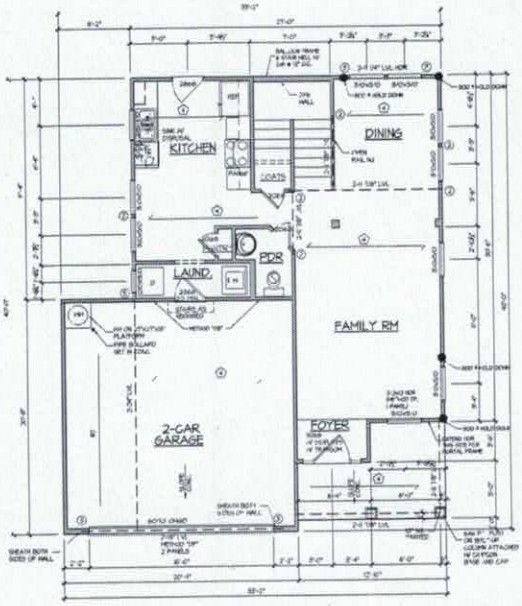
Acknowledgement of
Plans Submittal ONLY!

Date 10/31/16

Date 11-4-16



ELEV. 'A'
FIRST FLOOR PLAN



ELEV. 'B'
FIRST FLOOR PLAN

SQUARE FOOTAGE:

MAIN (1ST) LEVEL:	898 SQ. FT.
SECOND LEVEL:	944 SQ. FT.
TOTAL HEATED:	1842 SQ. FT.
FRONT PORCH:	87 SQ. FT.
1-CAR GARAGE:	414 SQ. FT.
TOTAL UNHEATED:	319 SQ. FT.
TOTAL UNDER ROOF:	2044 SQ. FT.

NOTE:
ALL ROOF HOLDDOWNS THIS LEVEL TO BE SIMPSON DTT2Z OR EQUAL INSTALLED PER MANF. SPECS.

SQUARE FOOTAGE:

MAIN (1ST) LEVEL:	898 SQ. FT.
SECOND LEVEL:	944 SQ. FT.
TOTAL HEATED:	1842 SQ. FT.
FRONT PORCH:	87 SQ. FT.
2-CAR GARAGE:	401 SQ. FT.
TOTAL UNHEATED:	487 SQ. FT.
TOTAL UNDER ROOF:	2281 SQ. FT.

NORTH CAROLINA PROFESSIONAL SEAL 29249 ENGINEER KEVIN P. MUNSON

NORTH CAROLINA RESIDENTIAL STRUCTURES, P.C. No. C3296 CERTIFICATE OF AUTHORIZATION

RESIDENTIAL STRUCTURES, P.C.
3440 N. Davidson St.
Charlotte, N.C. 28205

Seal For Structural Only

LEGEND

FALL BRACING NOTES:

FIRST FLOOR NOTES:

PROJECT TITLE
PLAN 1690
FOR:
COPPER CONST.

PROJECT NUMBER
ISSUE DATE

DRAWING DATA
DRAWN BY
CHECKED BY
FILE NUMBER

SHEET TITLE
FIRST
FLOOR PLANS

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SHEET NUMBER
4.1

IREDELL COUNTY

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

APPLICATION NUMBER
219062
Issue Date: 05/24/2016

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4636511510.000	128 ENSIGN PLACE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: W & L INVESTMENT PROPERTIES LL C	Applicant: W & L INVESTMENT PROPE
Address: 223 CESSNA RD CONCORD, NC 28027	Address: 223 CESSNA RD CONCORD, NC 28027
Phone: 980-521-1393	Phone: 980-521-1393

Use Requested	Zone Code
SFD / DEMO'ING EXISTING HOUSE TO REBUILD NEW	RR

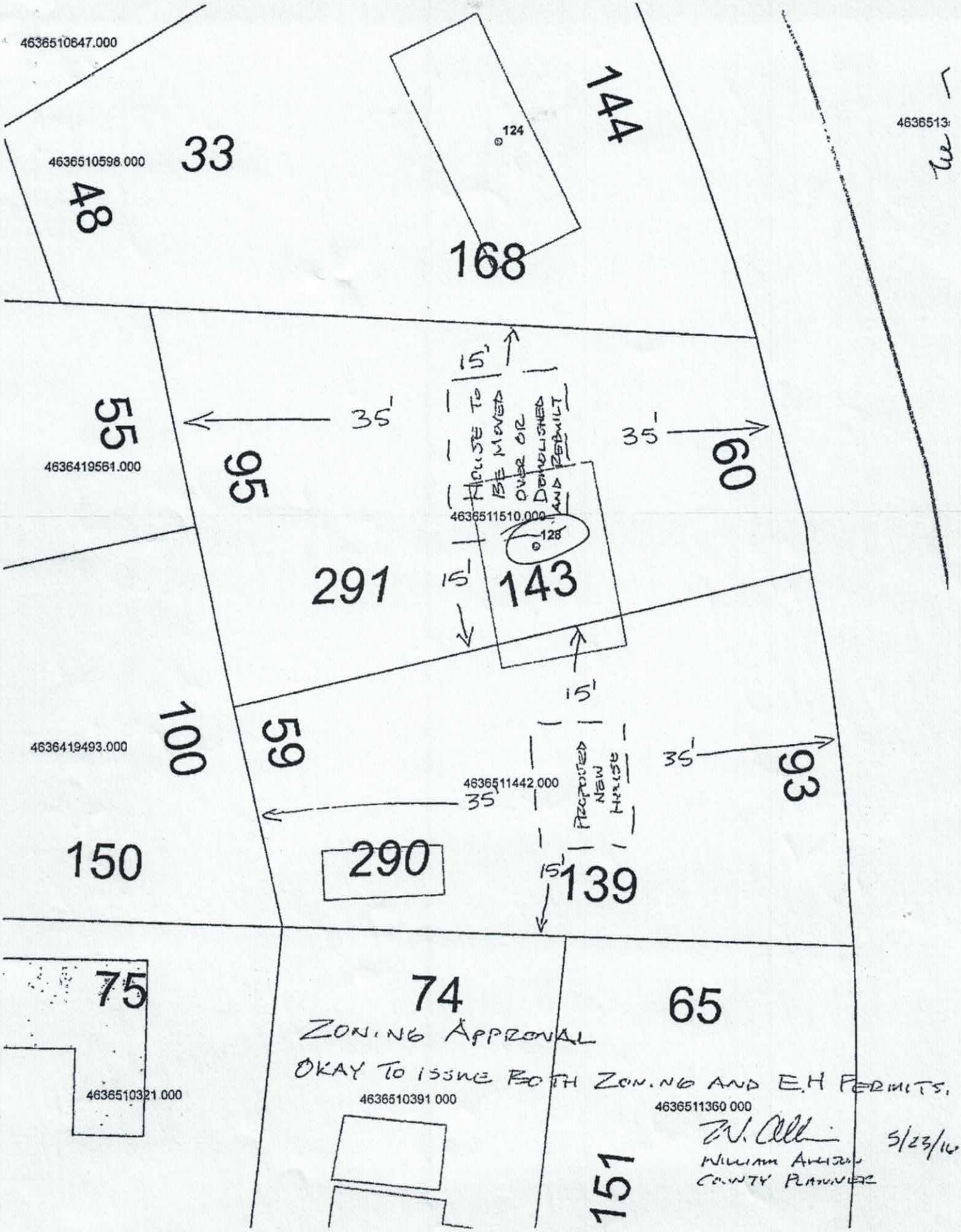
Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.250	35.00	35.00	15.00	15.00	CACL	X

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: 05/24/16

Permit Number	69651	TOTAL FEES:	$ 77.25



ZONING APPROVAL

OKAY TO ISSUE BOTH ZONING AND E.H PERMITS.

W. Allen 5/23/16

WILLIAM ALLISON

COUNTY PLANNER