IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 244715

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

PIN # 4861324517

APPLICANT/OWNER: Todd Ellis Builders APPLICANT ADDRESS: 271 Cooper Farm Rd Statesville NC

SITE ADDRESS: 116 Willies lane Olin NC 28660 PHONE: 704 873-7373 ALT. PHONE 704.902-0119

SITE DIRECTIONS: Hwy 21 N Lon Tabor Rd L on Speaks Rd L on Padgett lane L Willies Ln SAP CONTROLLED: ☐ YES ☒ NO

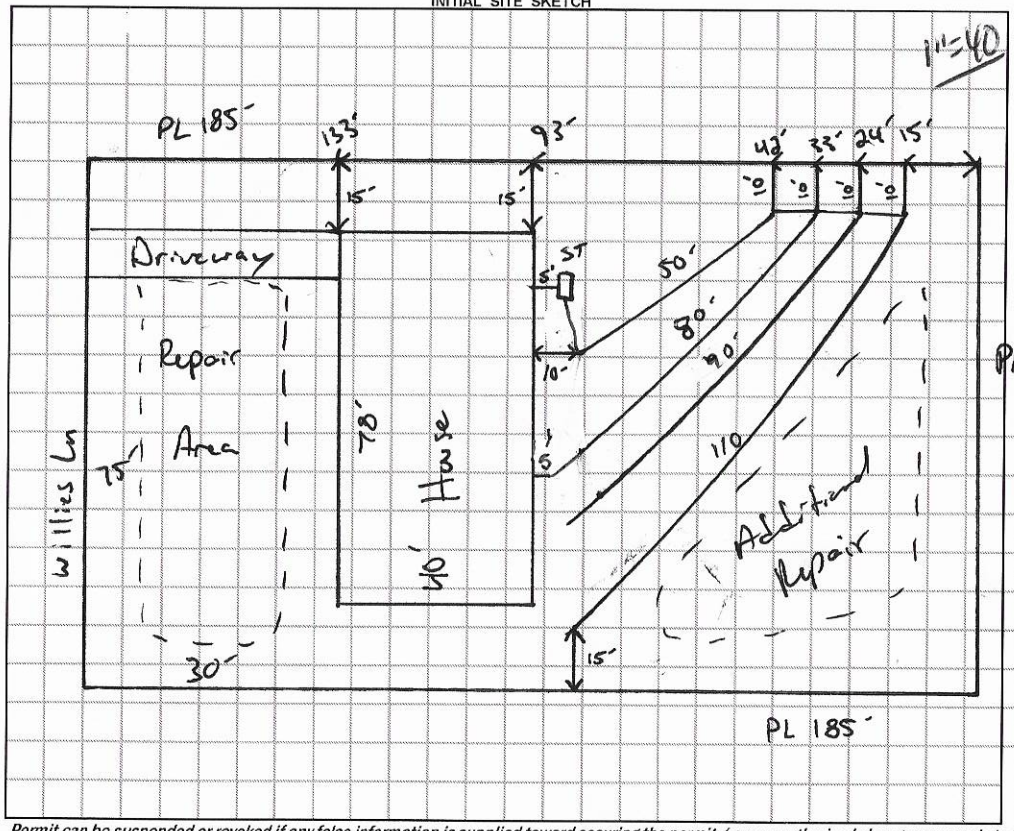
SUBDIVISION: Padgett Farms SECTION: 3 LOT # 39 LOT AREA: 0.467 Ace DESIGN FLOW: 360gpd L.T.A.R.: .275

Septic Tank	1000	(gal)	STB 1012 - 1000	Date	11-16-19	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank		(gal)	PT	Date		System Description: 25% Reduction		☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description: 50% Reduction		☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft	327'	Maintenance Agreement Required: ☐ YES ☒ NO		☒ Slab	☐ Crawl Space
Trench Width	36"	Trench Bottom Depth(~~Low-side~~)	Mark 34"	Gravel Depth	-	☒ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install Drainlines on center of land and use Serial Distribution. Do not grade, pave or bury utilities in drainfield Areas.

INITIAL SITE SKETCH



AS BUILT SKETCH

Tank 10' off Home

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: Jena McCall Date: 9-12-19 Installed by: Yantz Septic

IMPROVEMENT PERMIT by: [signature] Date: 6-11-19 OPERATION PERMIT by: [signature] Date: 2-3-20

AUTHORIZATION TO CONSTRUCT by: Carlen Cave Date: 9-11-19 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 #: 486132 45817
COUNTY: Iredell

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

OWNER: Todd Ellis Builders
ADDRESS: 271 Cooper Farm Rd Statesville
PROPOSED FACILITY: 1 fam
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 116 Willas Ln
APPLICATION DATE 5-15-19
DATE EVALUATED: 6-6-19
PROPERTY SIZE: 0.46 Ac
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	SS 2-3%	0-6	SBk SCL	Fr SSSP Serp	N/A	48"+	N/A	N/A	PS .3
		6-34	SBk C	Fr SS SP Serp					
		34-48	SBk CL	Fr SS SP Serp					
2	SS 2-3%	0-6	SBk SCL	Fr SS SP Serp	N/A	48"+	N/A	N/A	PS .275
		6-30	ABk C	Fr SS SP Serp					
		30-48	SBk CL	Fr SS SP Serp					
3	SS 2-3%	0-12	SBk SCL	Fr SS SP Serp	N/A	48"+	N/A	N/A	PS .275
		12-24	ABk C	Fr SS SP Serp					
		24-48	SBk CL	Fr SS SP Serp					
4	SS 2-3%	0-6	SBk SCL	Fr SS SP Serp	N/A	48"+	N/A	N/A	PS .275
		6-28	ABk C	Fr SS SP Serp					
		28-48	SBk CL	Fr SS SP Serp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	327'	218'
System Type(s)	25%	50%
Site LTAR	.275	.275

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

COMMENTS:

LEGEND

use the following standard abbreviations

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

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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.

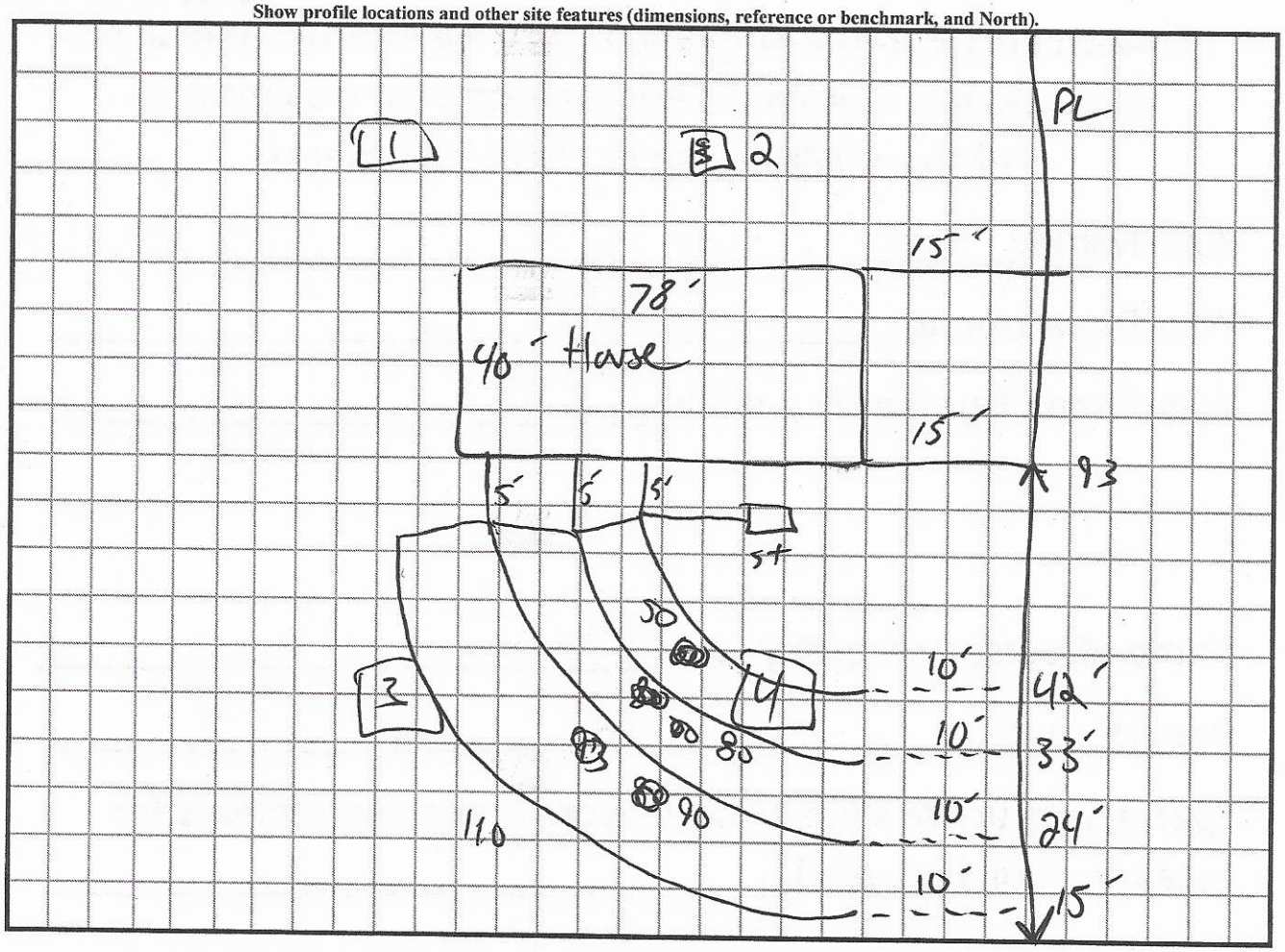
NOTES

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/ft^2

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



110
93
80
60

RECEIVED MAY 16 2019

IREDELL COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

#244715 Paid $500.00

(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)

1. **APPLICATION FOR:** X Improvement Permit ___Authorization To Construct ___ Existing System Inspection

2. 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 check ( ) beside whichever is submitted if applicable ___Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Todd Ellis Builders	271 Cooper Farm Statesville NC	704-873-7373	704-902-0115
Applicant Name	Mailing Address	~~Home~~ Phone # office	Alternate Phone # Cell
Carolyn P Horne	129 Cedar Lake Drive Statesville NC 28625	704-878-2224	704-902-0399
Owner Name	Mailing Address	Home Phone #	Alternate Phone #

4. **Property Information:**

116 Willies Lane	Padgett Farms	#39
Street Address	Subdivision Name	Section/Phase and Lot Number

Driving Directions: Hwy 21 N TL Tabor Rd TL Sparks Rd TL Padgett Lane TL Willie Lane 2nd Lot on Right

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

(X) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System due to _____
( ) Other _____

Maximum Number of Bedrooms 3
Maximum Number of Occupants 6
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
(X) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development: Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

6. **Proposed Water Supply:**

( ) New Well ( ) Existing Well ( ) Community Well ( ) City Water (X) Other Public Water Iredell Water

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed ____ *Year*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other_____

8. **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. industry) 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.

9. **Signature:** _____ 5-15-19
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…

____ Area you prefer your septic system to be placed…

____ Preferred driveway location and configuration, preferred well location…

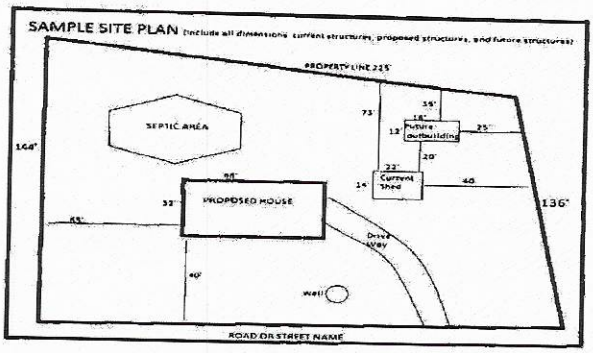
____ North arrow, or other sufficient indicator of direction…

Circle N/A on the following if appropriate:

____ Location of septic systems and wells within 100' of your property… N/A

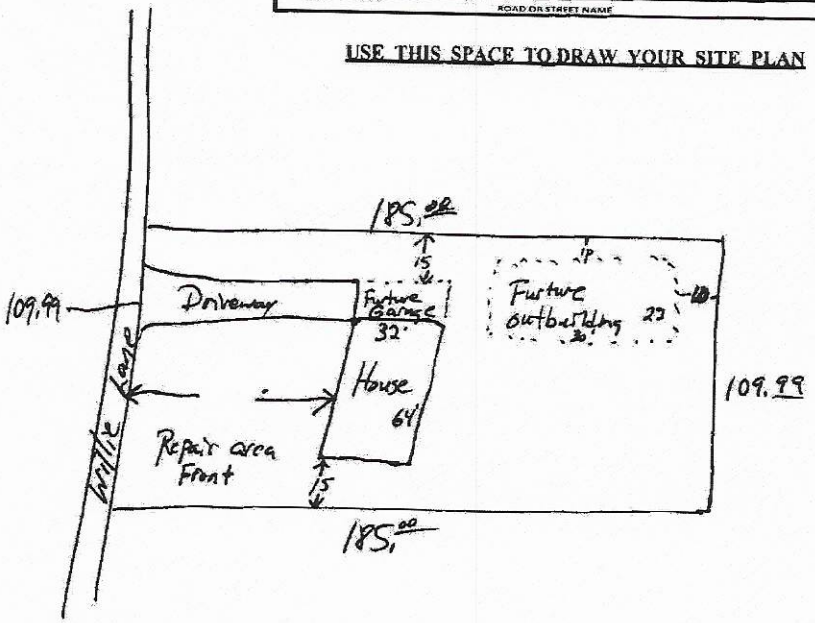
____ Location of easements and rights of ways on your property… N/A

____ Location of any designated wetlands on the property… N/A



USE THIS SPACE TO DRAW YOUR SITE PLAN

22x30 Furture outbuilding



Signature: _____

REQUIRED property owner or owner's legal representative signature.

_____

DATE



(Paved)
PUBLIC
45' R/W
DEMILLE DRIVE
GRAVEL 45' R/W PRIVATE
45' R/W
PUBLIC
LANE
10' DRAINAGE & UTILITY EASEMENT TYPICAL EACH LOT
S01°43'37"W
532.77' TOTAL
S01°43'42"W
N86°40'46"W
1161.81' TOTAL
550.00' TOTAL
N18°05'03"E
147.61'
53,768.14 sq.ft.
1.234 ac.
26,396.00 sq.ft.
0.606 ac.
20,000.00 sq.ft.
0.459 ac.
20,000.93 sq.ft.
0.459 ac.
21,911.45 sq.ft.
0.503 ac.
22,591.09 sq.ft.
0.514 ac.
22,285.08 sq.ft.
0.512 ac.
22,007.44 sq.ft.
0.505 ac.
22,667.06 sq.ft.
0.520 ac.
20,082.65 sq.ft.
0.461 ac.
20,016.66 sq.ft.
0.460 ac.
25,531.83 sq.ft.
0.586 ac.
23,146.20 sq.ft.
0.531 ac.
30,681.38 sq.ft.
0.704 ac.
20,218.87 sq.ft.
0.464 ac.
20,160.91 sq.ft.
0.463 ac.

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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, Carolyn P Horne, am the legal owner(s) of the property located at Lot 39, Padgett Farms, identified as PIN (Parcel Identification Number) 4861324517.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) J Todd Ellis of Todd Ellis Builders, Inc., 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.

Carolyn P Horne	5/15/2019	Ruth Willard	5-15-19
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

Switch

Acknowledgement Of Plans Submittal ONLY!

Carla C Cave Date 9-11-19

Lena M. Cobb Date 9-12-19

116 Willies



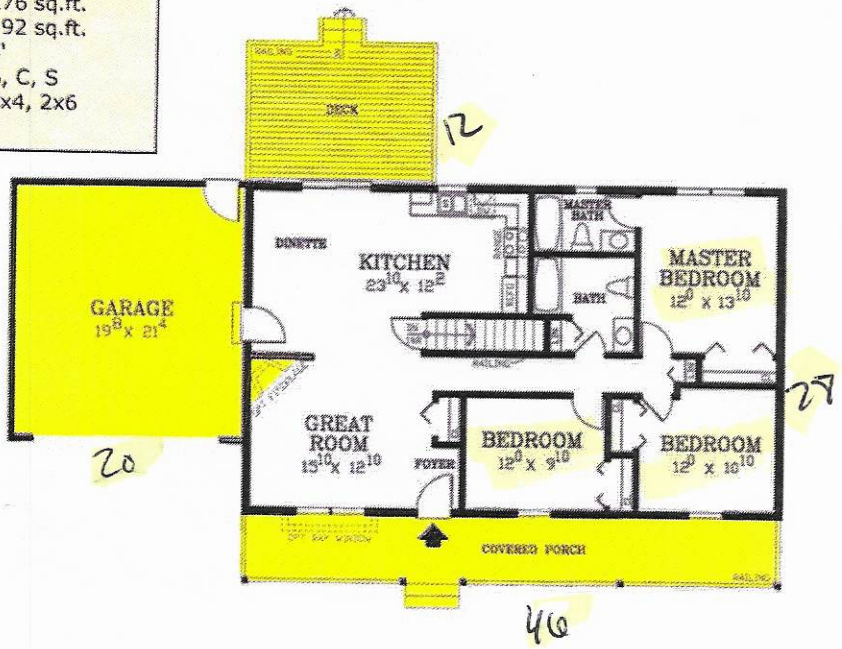
Bluff City Value Plan with front porch

Specifications

Living area:	1,288	Garage area:	440 sq.ft.
Enhanced area:	1,300 sq.ft.	Porch area:	276 sq.ft.
Bedrooms:	3	Deck area:	192 sq.ft.
Baths:	2	Main ceiling height:	8'
House width:	46'	Foundation:	B, C, S
House depth:	28'	Walls:	2x4, 2x6
Primary roof pitch:	6/12		

Enhancements

- *Two car garage (20'x22')*
- *Front porch with railing (46'x6')*
- *Rear deck with railing (16'x12')*
- *Corner fireplace*
- *Box bay window*



Photos or renderings will vary from actual plan.

IREDELL COUNTY

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

APPLICATION NUMBER
244715
Issue Date: 05/16/2019

ZONING PERMIT
Open Space

Parcel Number	Street Address	Jurisdiction
4861324517.000	116 WILLIES LANE, OLIN, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: HORNE CAROLYN P	Applicant: JEFFREY TODD ELLIS(BLD
Address: 229 CEDAR LAKE DR	Address: 271 COOPER FARM ROAD
STATESVILLE, NC 28625	STATESVILLE, NC 28625
Phone:	Phone: 704-873-7373

Use Requested	Zone Code
SFD	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.467	35.00	35.00	15.00	15.00	NOT	X

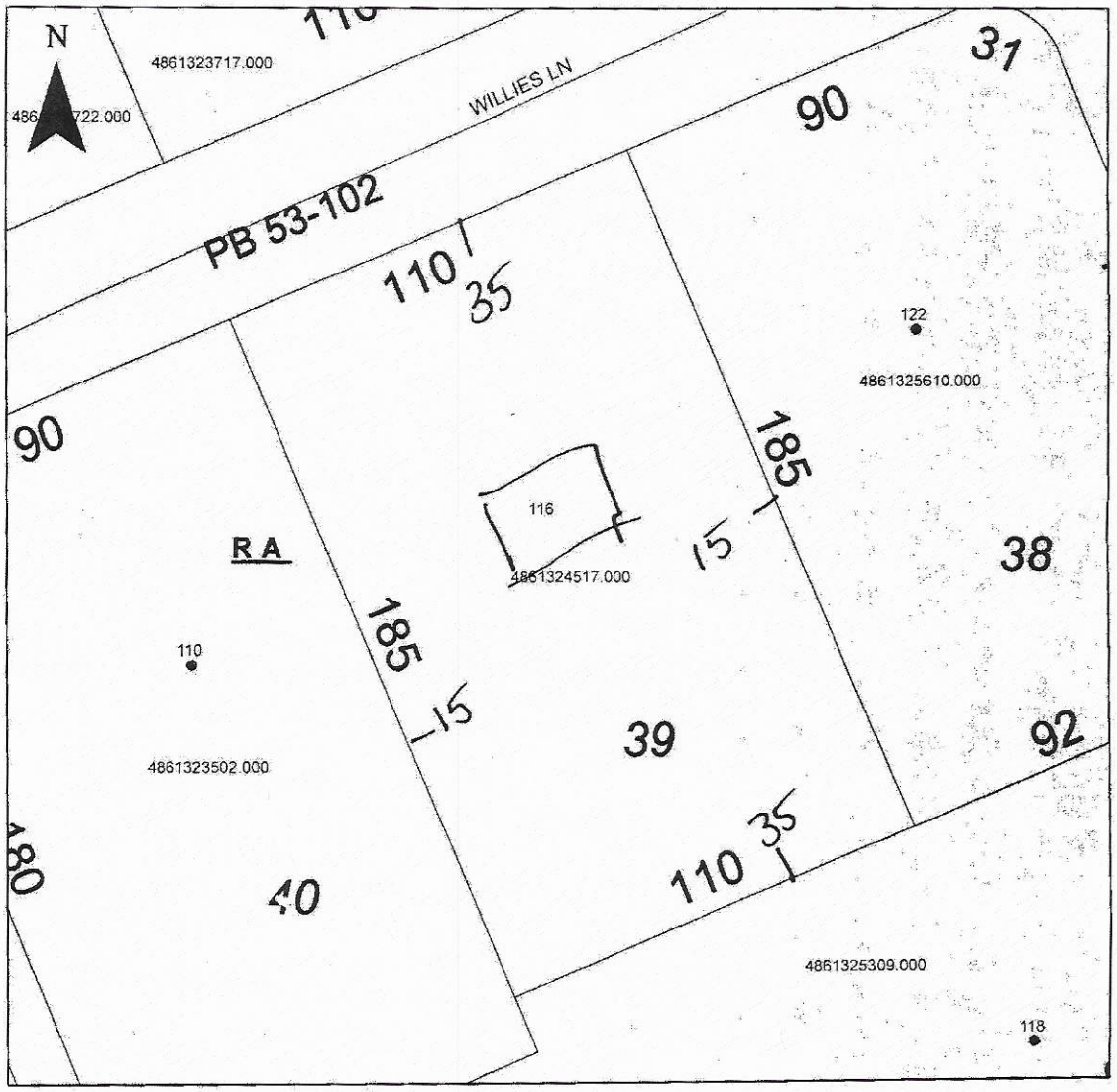
Remarks:

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	177736	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 116 Willies Ln

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Applicant

Date