IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 239265

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

PIN # 4648353885

APPLICANT/OWNER: Jeffrey Clark APPLICANT ADDRESS: 725 Big Indian Loop Mooresville, NC

SITE ADDRESS: 725 Big Indian Loop Mooresville, NC PHONE: 704-756-8811 ALT. PHONE 704-996-6330 (Paul Penninger)

SITE DIRECTIONS: NC150 W → R on Bluefield → L on Big Indian Loop → lot on L SAP CONTROLLED: ☐ YES ☑ NO

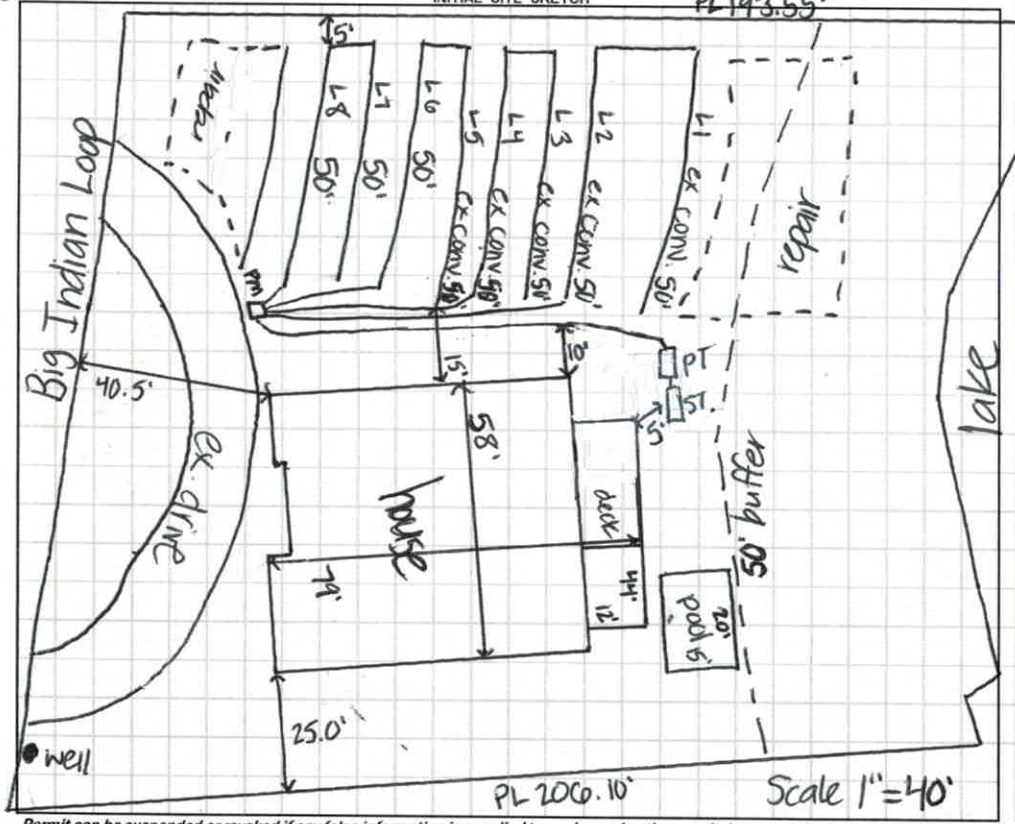
SUBDIVISION: CL+T SECTION: 12 LOT # 78 LOT AREA: DESIGN FLOW: 480gpd L.T.A.R.: .3 (.3 repair)

Septic Tank	1000	(gal)	STB 794	Date 6/13/19	☐ New System ☐ Repair ☑ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms	4	Water Supply
Pump Tank	1000	(gal)	PT 283	Date 6/19/19	System Description: existing conv. + 25% reduction		☐ Business	No. Persons	8	☑ Private
Pump Make	Liberty	Model	290 (3/4 HP)	Serial #	Repair System Description: LP PPBPS (pretreatment)		☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	3@50'	Linear Ft 150'	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width	36"	Trench Bottom Depth (MAX)	30"	Gravel Depth 12"	☐ GRAVITY ☑ PRESSURE		☑ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: Install 25% reduction for L6, L7, + L8. Install at 30" max.
L2: disconnect 15' closest to house + replace 15' at other end of line.
L3: disconnect 12' closest to house + replace 12' at other end of line

L4+L5: disconnect 11' closest to house + replace 11' at other end of line
Drain lines must maintain a minimum of 5' from property line + 15' from house. Supply line must maintain 10' from house.

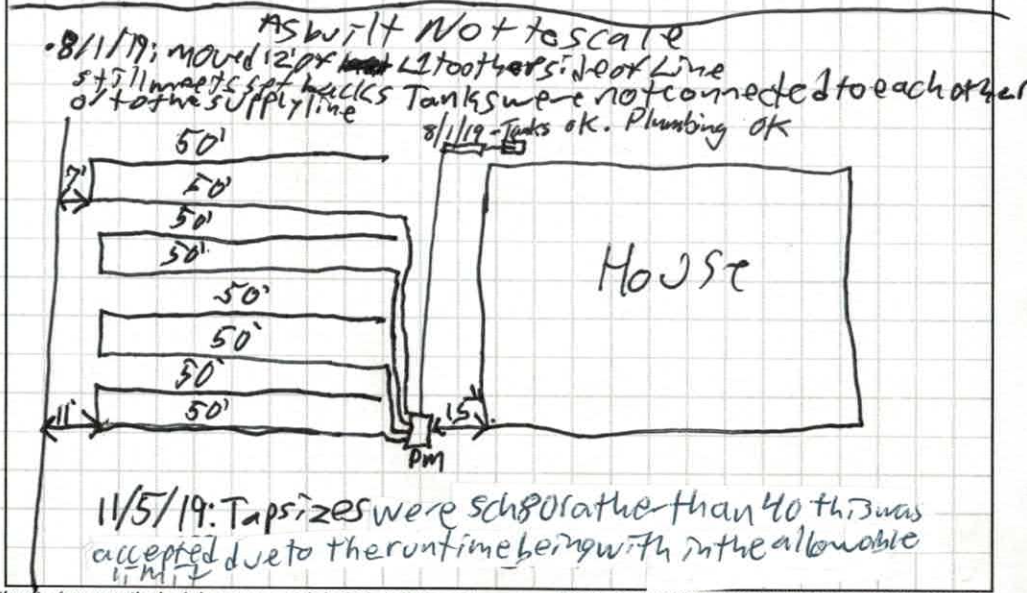
INITIAL SITE SKETCH



AS BUILT SKETCH

Tap size: L1+L2: 1/2 sch 40 Dosing volume: 182
L3+L4: 1/2 sch 40 Draw down: 8.6
L5+L6: 1/2 sch 40 Pressure head: 2'
L7+L8: 1/2 sch 40 Supply line: 2"

* Call ICHD with any questions prior to installation *



11/5/19: Tap sizes were sch80 rather than 40 this was accepted due to the run time being within the allowable limit

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: Jeffrey Clark Date: 10-29-18 Installed by: Rands of Lake Norman

IMPROVEMENT PERMIT by: Kayla Wilson Date: 10-16-18 OPERATION PERMIT by: Patrick J Bagley III Date: 11/5/19

AUTHORIZATION TO CONSTRUCT by: Kayla Wilson Date: 10-23-18 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.

	Date	Initials
Drain Lines Checked	8/1/19	PJB
Tanks Checked	8/1/19	PJB
Pressure Manifold or Valve Box Checked	11/5/19	PJB
Pressure Head Set	11/5/19	PJB
Electrical Checked	11/5/19	PJB
Floats Set	11/5/19	PJB
Alarm Checked	11/5/19	PJB
Maintenance Contract Y / (N)	11/5/19	PJB

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

Sheet 1 of 1
PROPERTY ID #: 4048353885
COUNTY: Iredell

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

OWNER: Jeffrey Chik
ADDRESS: 725 Big Indian Loop
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480gpd
LOCATION OF SITE: NC 150 W→R on Bluefield→L on Big Indian→1st on R
APPLICATION DATE 10-2-18
DATE EVALUATED: 10-12-18
PROPERTY SIZE: —
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	11% LS	0-7	WSBK SCL	FR, SS, SP, SE	—	57	43-57 few RC SAP inc 43-57 few SAP inc.		PS .3
		7-38	SBK C	FR, SS, SP, SE					
		38-57	WSBK CL	FR, SS, SP, SE					
2	9% LS	0-8	WSBK SCL	FR, SS, SP, SE	—	46	27-46 few-com SAP inc		PS .3
		8-27	SBK C	FR, SS, SP, SE					
		27-46	WSBK CL	FR, SS, SP, SE					
		46-50	L SAP	FR, NS, NP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	IV
Site LTAR	.3	.3

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

COMMENTS:

704-996-6330 / Call Paul Pendinger

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM 505 Site Visit

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 (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Jeff Clark Address: 725 BIG INDIAN LOOP MOORESVILLE NC Zip: 28117

Applicant Email: jclark@roushyates.com Phone: (704) 756-8811 Alt. Phone: _____

Owner Name: same as above..... Address: _____ Zip: _____

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

Property Information:

Street Address: 725 Big Indian Loop

Subdivision Name: CL&T Section/Phase: 12 Lot Number: 78

Driving Directions: Bluefield Road, TL Big Indian, Rt fork, lot on rt at 725 Big Indian Loop

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: 8
(X) Swimming Pool
( ) Other Addition/Structure: _____

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

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

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

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

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

Please answer the following to the best of your ability:
( ) Yes (X) No LN 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: _____ Agent 10-2-18
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*) Jeffrey L.Clark

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, Jeffrey L. Clark, am the legal owner(s) of the property located at 725 Big Indian Loop, CL&T Section 12 Lot 78, identified as

PIN (Parcel Identification Number) 4648353885.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Paul Penninger / Penninger Soil Consulting, 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.

Jeffrey L. Clark — Signature of Owner(s)

10-2-2018 — Date

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

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

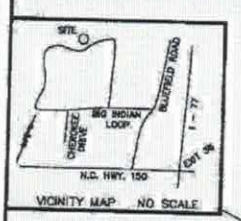
DAS DON ALLEN & ASSOCIATES, P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive – Suite 102 * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 1499, page 959, and/or plat book 13, page 20, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 28, day of SEPT., A.D. 20 18.

WILLIAM M. ALLEN

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	624.84'	62.94'	S 48°39'48" W	62.92'



VICINITY MAP NO SCALE

LEGEND
- P.P. = POWER POLE
- = POWER TRANS.
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = #4 REBAR SET
- R/W = RIGHT-OF-WAY
- W = WELL
- CP = COMPUTED POINT

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 9\13\2018.
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N 48°01'39" E	20.65'
L2	N 68°16'00" E	40.08'
L3	N 47°38'00" E	22.60'
L4	N 28°54'00" E	58.42'
L5	S 82°01'00" E	8.25'
L6	N 24°02'24" E	11.38'
L7	S 48°10'19" E	39.38'

0' 25' 50' 100'
SCALE IN FEET

BOUNDARY SURVEY

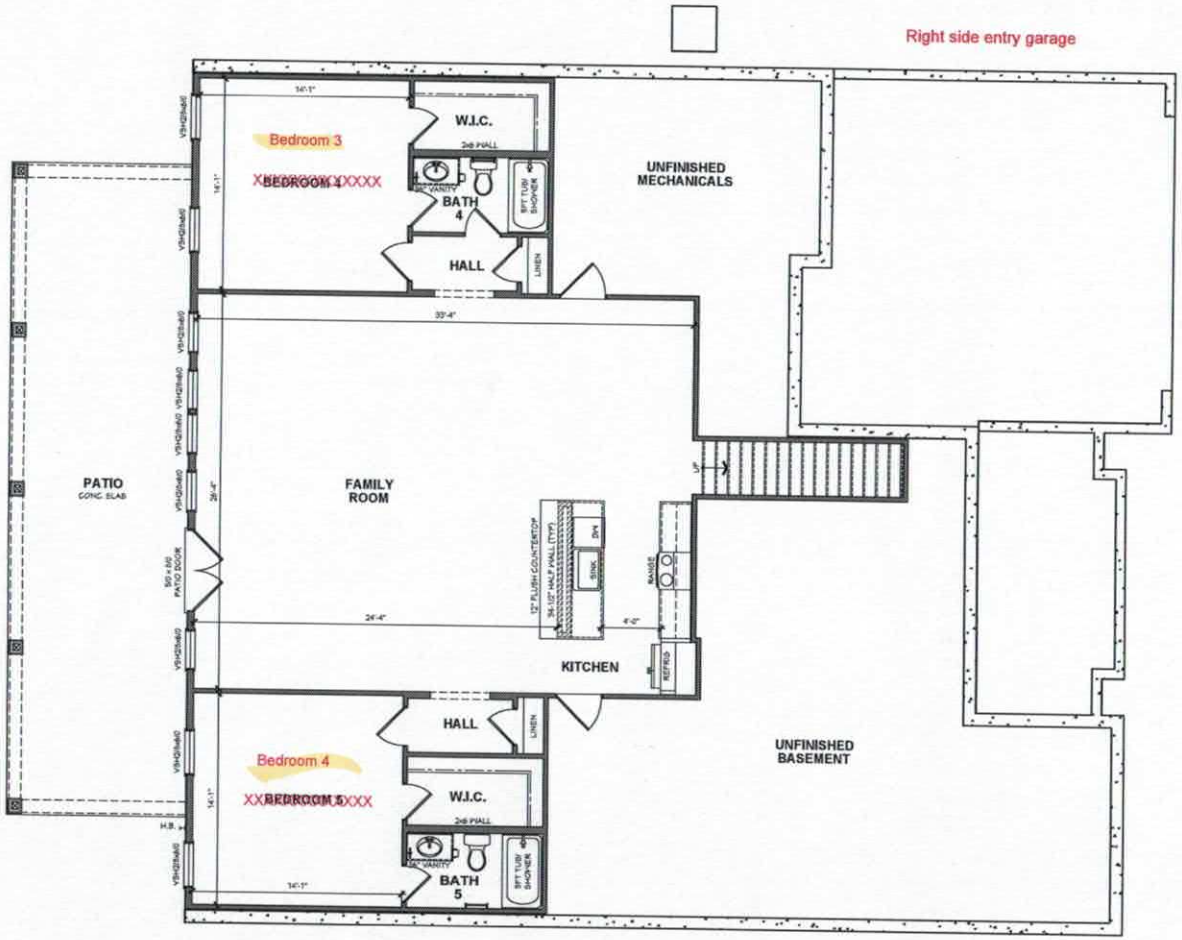
OF
725 BIG INDIAN LOOP
LOT 78 CRESCENT LAND & TIMBER CORP. SECT. 12
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 50'
ACQUIRED BY:
JEFFREY L. CLARK

FIELD BOOK: 502-E
FILE: CLT 78 S12
DC FILE:
TAX MAP NO: 4648353885

Acknowledgement Of
Plans Submittal ONLY!
Kayla Watson Date 10-23-18
Jeffrey Clark Date 10-29-18

Right side entry garage

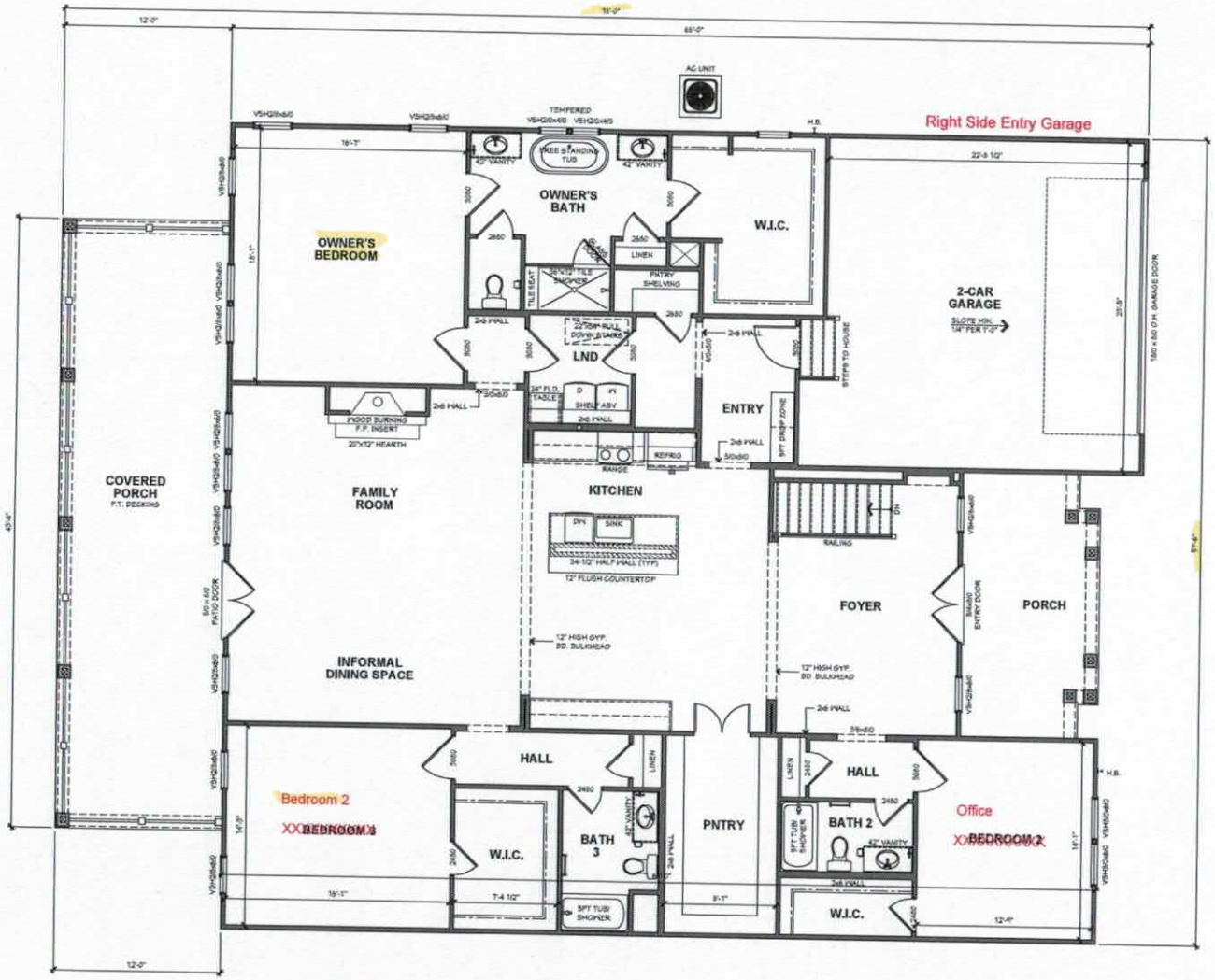


Revisions in red per owner, Jeff Clark 10.19.18

FLOOR PLAN - LOWER LEVEL

SCALE: 1/4" = 1'-0"
10'-1 1/8" WALL HEIGHT
WINDOW HEADER @ 6'-0" A.F.F.

Acknowledgement Of
Plans Submittal ONLY!
Kayla Watson Date 10-23-18
Jeffy Clark Date 10-19-18



Revisions in red per owner, Jeff Clark 10.19.18

FLOOR PLAN - MAIN LEVEL

SCALE: 1/4" = 1'-0"
10'-1 1/8" WALL HEIGHT
WINDOW HEADER @ 6'-0" A.F.F.

IREDELL COUNTY

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

APPLICATION NUMBER
239265
Issue Date: 10/02/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4648353885.000	725 BIG INDIAN LOOP, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: CLARK JEFFREY L	Applicant: CLARK JEFFREY L
Address: 725 BIG INDIAN LOOP	Address: 725 BIG INDIAN LOOP
MOORESVILLE, NC 28117	MOORESVILLE, NC 28117
Phone:	Phone:

Use Requested	Zone Code
SFD	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

Lake Lots: Must meet both the 50-foot setback from the 760 Æ contour line and the 35-foot setback from the rear property line for any structure.

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	154341	TOTAL FEES:	$ 77.25