IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 206177

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

PIN # 4637270263

APPLICANT: Lake Luxury Homes/Freed APPLICANT ADDRESS: 7271 Long Island Rd Catawba, NC 28609

SITE ADDRESS: 244 McCrary Rd Mooresville NC 28117 PHONE: ALT. PHONE: 704 578-4951 (Kathleen

SITE DIRECTIONS: Hwy 150 W TL McCrary Rd on right @ Holden Harbor Rd

SUBDIVISION: Browns Cove SECTION LOT # 1 LOT AREA: .89 Acre DESIGN FLOW: 360gpd L.T.A.R.: 3 Initial / .25 Re

Septic Tank 1000 (gal) STB 1012 Date 3-30-17
Pump Tank 1000 (gal) PT 17 Date 8-26-13
Pump Make Goulds Model WE03511M Serial # E1631444
Nitrification Fields 1 # Lines 4 Linear Ft: 200'
Trench Width 24" min. Max. Trench Bottom Depth 30" Gravel Depth N/A

☒ New System ☐ Repair ☐ Expansion System Type: I II III (IV) V VI
System Description: PM+P PPBPS
Repair System Description: PPBPS
Maintenance Agreement Required: ☒ YES ☐ NO
☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 3
☐ Business No. Persons 10
☐ Other No. Employees
☐ Slab ☐ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: 30" Trench bottom per design, Keep tanks out of low area And greater than 50' to well. ~~A~~ See attached email allowing Septic lines in power line R/W

64 ft from ST to well
6/9/17 Check tanks, supply line & lines
Installed Pressure Manifold instead of low pressure.
6/12/2017 Pressure head checked.

INITIAL SITE SKETCH

See attached, approved
Septic plan by Kathleen
Saunders dated 12-1-16
approved 12-8-16.

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**

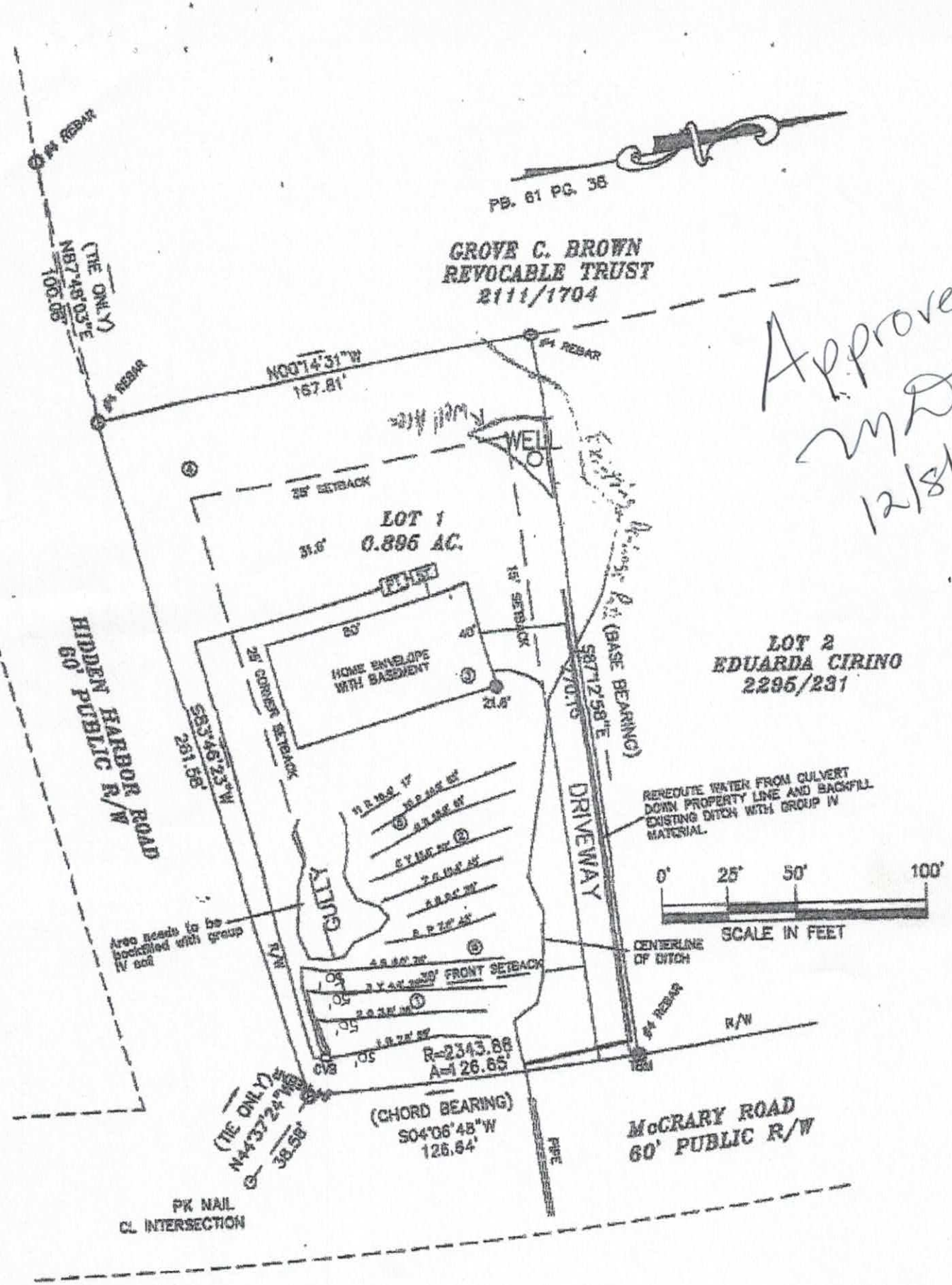
☐ **IMPROVEMENT PERMIT** *with plat* valid without expiration. ☐ **IMPROVEMENT PERMIT** *with site plan* valid for 60 mos. ☒ **AUTHORIZATION TO CONSTRUCT** valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Date: 12/9/16 Installed by: Tommy Frye / Craig Thompson

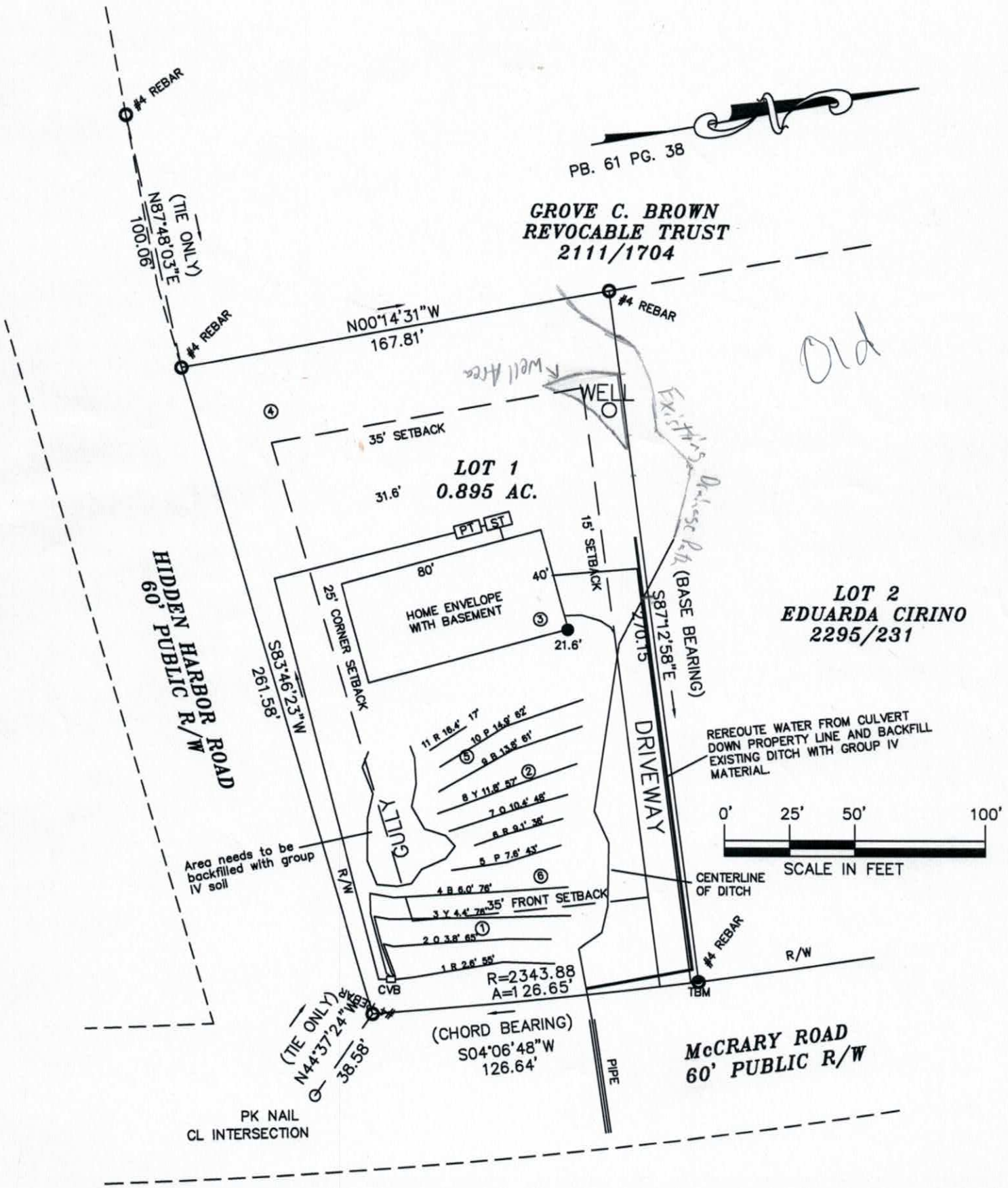
IMPROVEMENT PERMIT by: Maria Dotson Date: 12/9/16 OPERATION PERMIT by: Mohamed Dumdiech Date: 6/12/2017

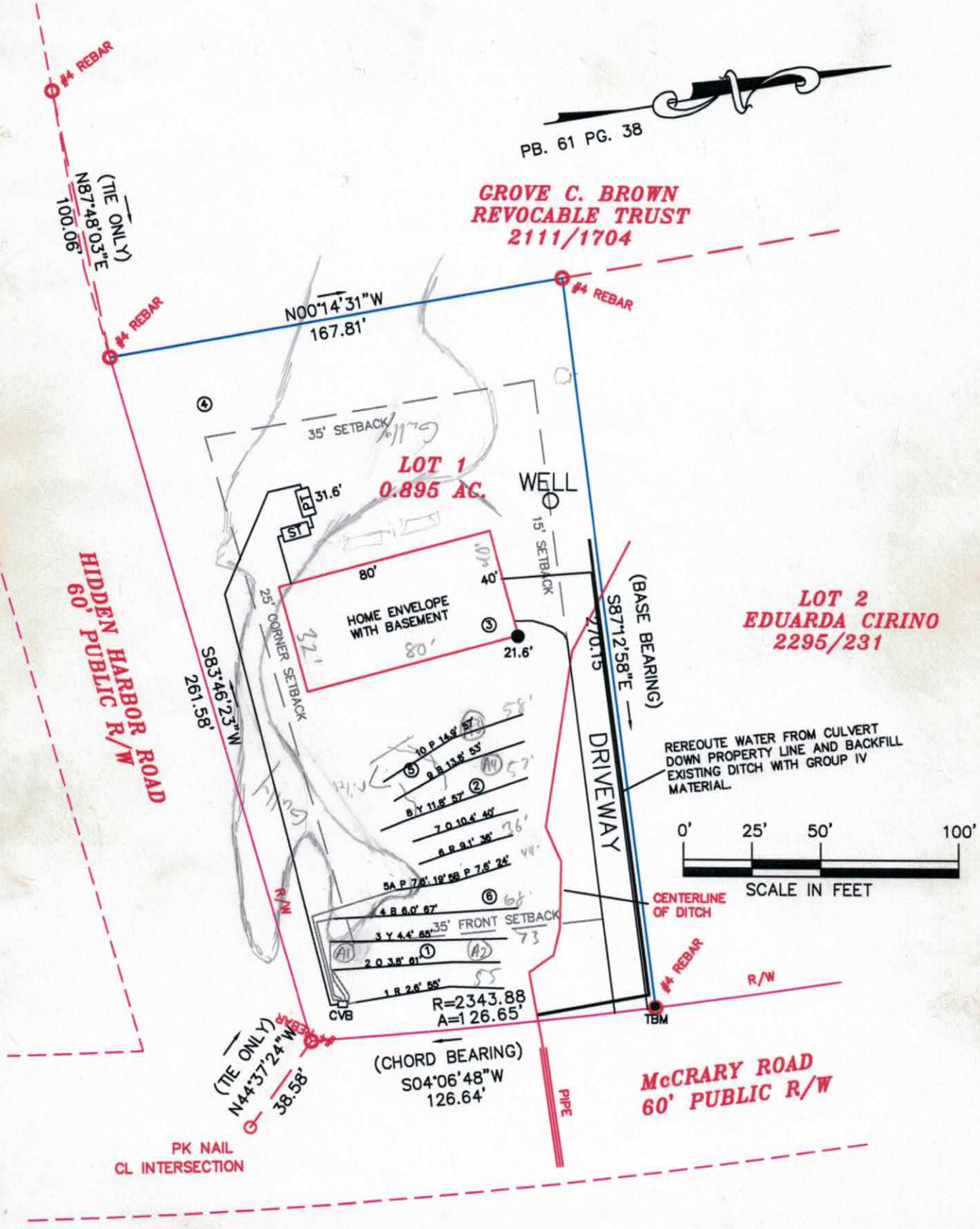
AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 12/9/16 Existing System Inspected by: Date:

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



Approved
MD
12/8/16


#4 REBAR
(TIE ONLY)
N87°48'03"E
100.06'
PB. 61 PG. 38
GROVE C. BROWN
REVOCABLE TRUST
2111/1704
#4 REBAR
N00°14'31"W
167.81'
#4 REBAR
Old
Well Area
WELL
Existing Drainage Ditch
35' SETBACK
LOT 1
0.895 AC.
31.6'
PT
ST
15' SETBACK
80'
40'
25' CORNER SETBACK
HOME ENVELOPE
WITH BASEMENT
21.6'
S83°46'23"W
261.58'
HIDDEN HARBOR ROAD
60' PUBLIC R/W
S87°12'58"E
270.15'
(BASE BEARING)
DRIVEWAY
LOT 2
EDUARDA CIRINO
2295/231
REROUTE WATER FROM CULVERT
DOWN PROPERTY LINE AND BACKFILL
EXISTING DITCH WITH GROUP IV
MATERIAL.
11 R 16.4' 17'
10 P 14.9' 62'
9 R 13.6' 61'
8 Y 11.8' 57'
7 O 10.4' 48'
6 R 9.1' 36'
5 P 7.8' 43'
4 B 6.0' 76'
3 Y 4.4' 78'
2 O 3.8' 65'
1 R 2.6' 55'
GULLY
Area needs to be
backfilled with group
IV soil
R/W
35' FRONT SETBACK
CENTERLINE
OF DITCH
0'
25'
50'
100'
SCALE IN FEET
#4 REBAR
R/W
CVB
R=2343.88
A=126.65'
TBM
(TIE ONLY)
N44°37'24"W
38.58'
(CHORD BEARING)
S04°06'48"W
126.64'
PIPE
McCRARY ROAD
60' PUBLIC R/W
PK NAIL
CL INTERSECTION


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(TIE ONLY)
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SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 463727026 3
DATE OF EVALUATION: 8/18/14
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B5	L/15%	0-8	BR CL WFSBK	FR SS SP	–	48+	–	–	S .3
		8-45	RC MMSBK	FR SS SP					
		45-48	RY CL WFSBK	FR SS SP few SAP					
B6	L/12%	0-6	BR L GR	FR SS SP	–	48+	–	–	S .3
		6-48	RC MMSBK	FR SS SP few SAP					
A1	Above HS 5%	0-12	R CL WFSBK	FR SS SP SEP	com SAP	48"	–	–	PS .3
		12-24	RC MFSBK	FR SS SP SEP					
		24-48	R CL WFSBK	FR SS SP SEP					
A2	LSS 7%	0-6	BR CL WFSBK	FR SS SP SEP	few/com SAP	48"	–	–	PS .3
		6-20	RC MFSBK	FR SS SP SEP					
		20-48	RC WFSBK	FR SS SP SEP					
A3	LSS 12-15%	0-6	BR SCL/CL WFSBK	FR SS SP SEP	few Mn	48"	–	–	PS .25
		6-23	RC WFSBK	FR SS SP SEP					
		23-39	RC WFSBK	FR SS SP SEP	few YB, few/com Mn				
		39-47	RC WFSBK	FR SS SP SEP	few/com YB & Mn				
		47-48	RC VFSBK	FR SS SP SEP	many YB, few Chs				

COMMENTS: A4 0-35 RC MFSBK FR SS SP SEP .25-.25
4 LSS 35-48 RC MFABK/SBK FR SS SP SEP few YB
12-15%

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 4637270263
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: BROWN GROVER C REV TRUST — APPLICATION DATE: 10/2/14
ADDRESS: 1897 HANDS MILL RD ROCK HILL SC 29732 — DATE EVALUATED: 8/18/14
PROPOSED FACILITY: RESIDENTIAL — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: .895
LOCATION OF SITE: 244 MCCRARY ROAD MOORESVILLE NC 28117 — 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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L/12%	0-6	BR CL WMSBK	FR SS SP	—	48	—	—	S .3
		6-48	RC MMSBK	FR SS SP					
2	L/13%	0-6	BR CL WFSBK	FR SS SP	—	48	—	—	S .3
		6-48	RC MMSBK	FR SS SP					
3	L/22%	0-7	BR CL WFSBK	FR SS SP	2 chroma @ 24	[illegible]	—		PS .1
		7-25	RBC WMSBK	FR SS SP few Fe depl					
		25-30	YR C WFSBK	FR SS SP C Fe depl					
4	L/22%	0-4	B SL GR	FR SS SO	—	48	—	—	S .275-.3
		4-29	RB C WMSBK	FR SS SP F SAP					
		29-48	RY CL WFSBK	FR SS SP C SAP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)	PP BPS	PP BPS
Site LTAR	.3	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: ROLLINS
OTHER(S) PRESENT:

COMMENTS:

RECEIVED DEC 2 - 2016 United

IREDELL COUNTY HEALTH DEPARTMENT

Paid $75.00 #206177

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

\pplication For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) *Septic Improvement Permit* (X) *Authorization to Construct* ( ) *Existing System Inspection* ( ) *Septic System Repa*

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SIT IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTE APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAIL

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 fe

Applicant Information:

contact Kathleen Saunders (704) 578-4951

Applicant Name: Lake Luxury Homes **Address:** 7271 Long Island Rd 28609 **Phone:**

Owner Name: same **Address:** **Phone:**

Property Information:

Street Address: 244 McCrary Rd Mooresville NC 28117

Subdivision Name: Browns Cove **Section/Phase:** **Lot Number:** 1

Driving Directions: Hwy 150 W, L McCrary Rd, on R

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

Changing from 4 BDR to 3 BDR

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

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure:

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

Non-Residential Site Development:

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

Water Supply:

(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 ( ) 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 grant right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for t 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: Emma Helt
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

12-1-16
DATE

AUTHORIZATION TO ACT AS AGENT FOR OWNER

Any application/document/permit requiring a signature must be signed by the property owner or their authorized agent. This form shall be provided by the owner to allow specified individuals to act as agents for the owner. This form allows the specified individuals to sign or receive any application/document/permit on behalf of the owner. This form allows the authorized agent to make decisions on behalf of the owner pertaining to modifications of permits in the field. It is the responsibility of the owner to assure that any/all permit conditions specified on permits issued by this Division are followed.

I, Ray Short, am the legal owner of the property located at 244 McCrary Rd, identified as PIN(Parcel Identification Number) 4637-27-0263, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) The Oaks Group, PA, _____, _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

1. Improvement Permit (IP)/ Authorization to Construct (AC).
2. Application for soil-site evaluation (new/repair).
3. Application/permit for water well/well abandonment.
4. Application for existing system.
5. Application for Improvement Permit (IP)/ Authorization to Construct (AC).

I agree to abide by any and all decisions and/or conditions between the agent acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division. This form must be fully executed before the individual's specified above will be recognized as the authorized agent.

Signature of Owner — Date: 12-1-16

Signature of Witness — Date

Adrian Pruett

From: rollans.ashley <rollans.ashley@yahoo.com>
Sent: Thursday, October 16, 2014 3:49 PM
To: Adrian Pruett
Subject: Fwd: RE: Approval for septic in ROW

Adrian
Attached is an email response from Eddie Cox with Duke Energy. I think this is what you needed to issue the permit for Kelvin Locklear.
Thanks
Ashley

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: "Cox, Eddie" <Eddie.Cox@duke-energy.com>
Date:10/16/2014 3:08 PM (GMT-05:00)
To: "rollans.ashley" <rollans.ashley@yahoo.com>
Subject: RE: Approval for septic in ROW

Mr Rollans,

From our conversation, I think you meant a Duke single "Distribution" line, not a "Transmission" line. Transmission lines are the high voltage lines on the metal towers. Distribution lines are the power lines on standard wood poles you see along the road and usually on people's property.

My understanding of your situation is that we have an existing overhead power line on this customer's property and the septic tank or drain field will be located within our designated right of way easement. We have no objection to that, but more to the point, we have no right to tell the customer in this situation what he can or cannot do on his property. Our standard *Distribution* right of way easement width is 30', 15' on either side of the center of the power line. We do not "own" the property within our right of way or have "exclusive" access within that easement. Our easement only gives us the initial right to install our facilities on the property and also the right to enter and maintain our facilities on the property. The property owner can use his property within our right of way as he sees fit as long as he follows the required overhead horizontal and vertical clearances set by the National Electric Safety Code. In other words, he can put a fence, a driveway, a garden, a swing set, etc directly under our line if he wished as long as he meets the required vertical distances from our energized conductors as recorded in the NESC manual.

Normally, that would mean he couldn't build a barn, a large out-bldg or his house under our lines or close to our lines. If he wanted to do that, he would need to call and request us to relocate our facilities and we would try to work out a suitable design to move our line, if possible and we would get a new right of way easement. There would normally be charges involved in that.

I hope this answers your question. The only concern we may have in this instance is later, when the customer requests power to be run to his new house and he asks for an underground service cable. We certainly can't install our service cable through his drain field, so we will need to meet with the customer and work out a cable route from whatever pole we are coming off of to the customer's meter box that will keep us out of the drain field.

Thank you,

Eddie Cox

Sr Engineering Technologist

Duke Energy

2530 E. W.T. Harris Blvd

Charlotte, N.C. 28213

(704) 582-8069 office (704) 617-5355 cell

E-mail - Eddie.Cox@duke-energy.com

From: rollans.ashley [mailto:rollans.ashley@yahoo.com]
Sent: Thursday, October 16, 2014 2:08 PM
To: Cox, Eddie
Subject: Approval for septic in ROW

*** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Eddie

Thanks for speaking with me earlier about installation of a septic system near a Duke single transmission line. Can you email me back approval.The property is at the corner of McCrary and Hidden Oaks Roads.

Thank you

Ashley Rollans

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:

X **Property Line measurements are clearly identified...** X **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

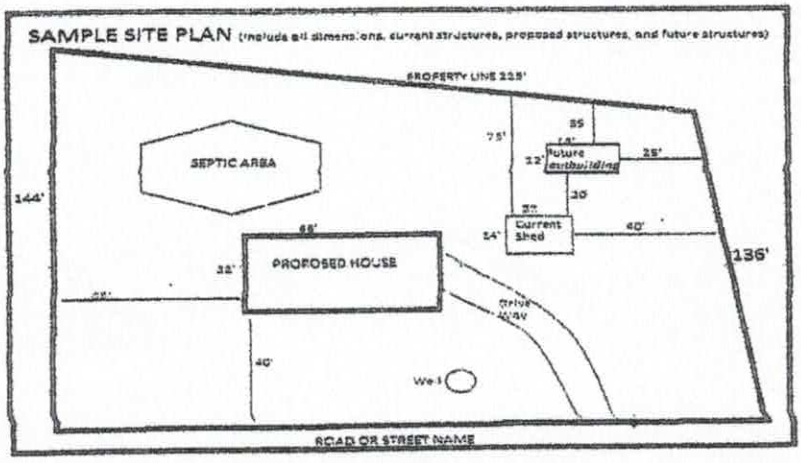
X **Front and side setbacks from property line...** X **Preferred driveway location and configuration, preferred well location...**

X **Area you prefer your septic system to be placed...** 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

Please see attached site plan

Signature: Emma Hall

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

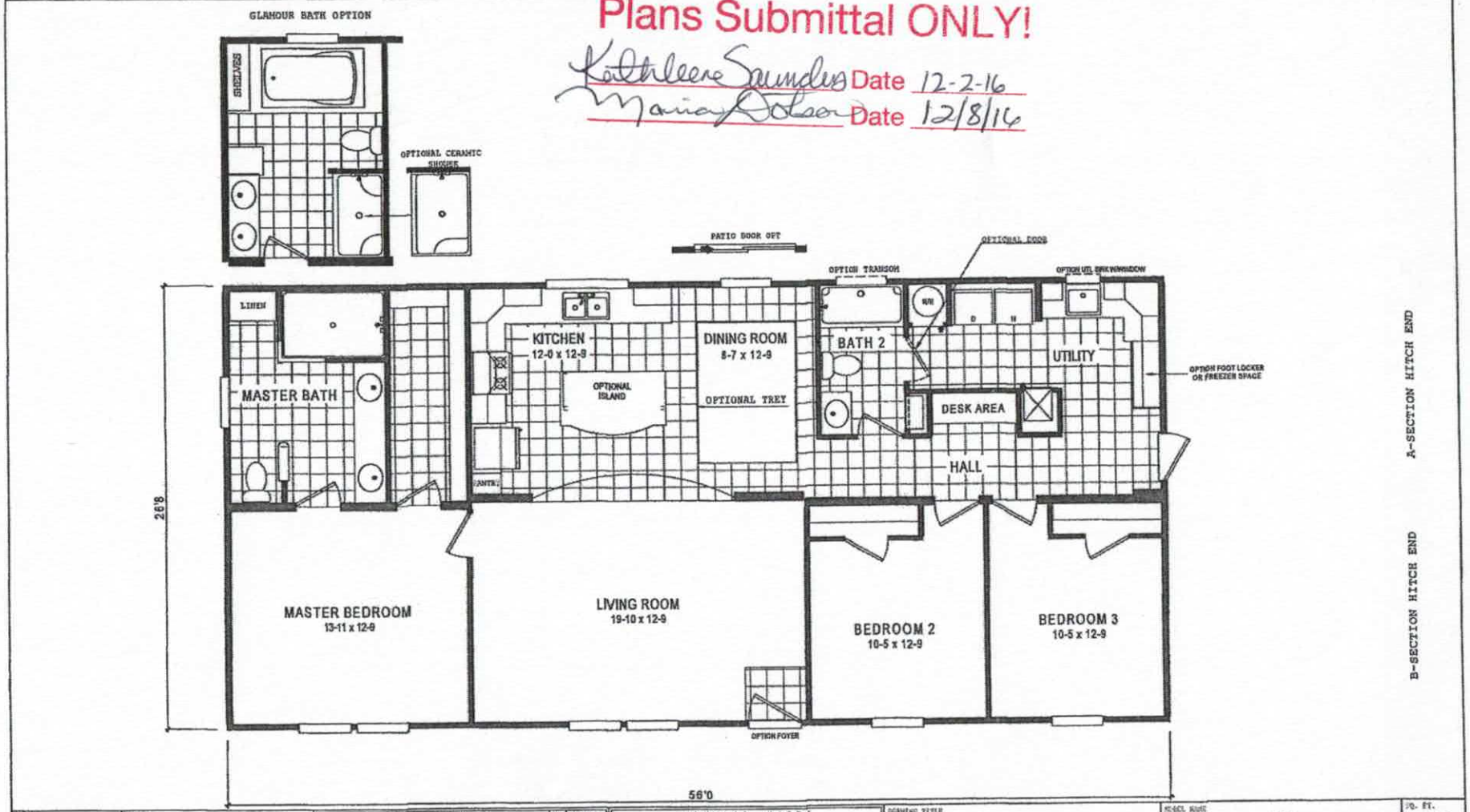
12-1-16

DATE

Acknowledgement of
Plans Submittal ONLY!

Kathleen Saunders Date 12-2-16

Maria Dolson Date 12/8/16



BRAND: SCHULT	SERIES: RK28	REVISIONS / BY / DATE	GENERAL NOTES	DRAWING TITLE: LITERATURE	MODEL NAME: 4608 — SQ. FT.: 1493
CLAYTON HOME BUILDING GROUP					PLANT: 957 — DESCRIPTION: 28X56 3BR-2BA — MODEL NO.: 4608
					DRAWN BY: GDB — ORIG. DATE: 03/14/2016 — DATE REVISED: 08/02/2016 — SHEET NO.: 22-1

IREDELL COUNTY

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

APPLICATION NUMBER
206177
Issue Date: 12/02/2016

ZONING PERMIT

Parcel Number	Street Address	Jurisdiction
4637270263.000	244 MCCRARY ROAD, MOORESVILLE, NC 28117	IREDELL COUNTY

Owner Information	Applicant Information
Owner: BROWN GROVER C REV TR	Applicant: LOCKLEAR, APRIL
Address: 1897 HANDS MILL RD ROCK HILL, SC 29732	Address: 208 ROLLING HILL RD MOORESVILLE, NC 28117
Phone:	Phone: 843-687-9797

Use Requested	Zone Code
SFD	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.890	35.00	35.00	25.00	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: _____

Permit Number	87153	TOTAL FEES:	$ 77.25