IREDELL COUNTY HEALTH DEPARTMENT

KW Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 224173

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

PIN # 4614722854

APPLICANT/OWNER: L. Stephen Wilkinson APPLICANT ADDRESS: 121 Holly Pond Ln Mooresville, NC 28117

SITE ADDRESS: 112 Birdsong Ln Mooresville, NC 28117 PHONE: 3025628559 ALT. PHONE

SITE DIRECTIONS: Brawley School Rd TR Tuskaroora TR Birdsong on right SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: N/A SECTION: LOT # 309 LOT AREA: .647 Acre DESIGN FLOW: 480 gpd L.T.A.R.: First .3 / .125 Ref

Septic Tank	1000	(gal)	STB	794	Date	8-21-18	☐ New System	☐ Repair	☒ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	4	Water Supply
Pump Tank		(gal)	PT		Date		System Description:	Gravity 25% Red + Exist Gravel Bed			☐ Business	No. Persons	8	☒ Private
Pump Make		Model			Serial #		Repair System Description:				☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	3 + exist bed		Linear Ft	200'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width	36"	Trench Bottom Depth(Low side)	36"		Gravel Depth	N/A		☒ GRAVITY	☐ PRESSURE		☒ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: ☒ Do not grade down within 15Ft of Septic Drainfield

Walk out basement, Split-Flow with Dist. box between Exist. Gravel bed & new drain lines. Properly abandon ST (compact, Crush & backfill)

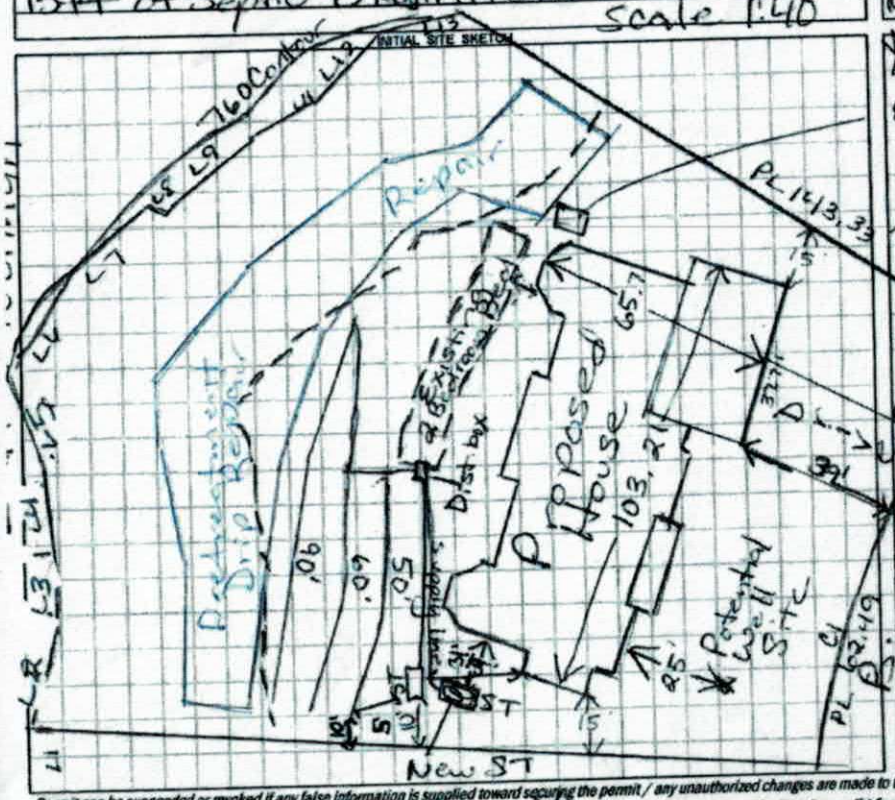
AS BUILT SKETCH

☒ Must obtain well abandonment permit & abandon exist well if impacted by driveway

Existing ST (to be properly abandon)

INITIAL SITE SKETCH

Scale 1:40



10/18/18: First drain line checked KW

	Date	Initials
Drain Lines Checked	10/19	CC
Tanks Checked	10/18	KW
Pressure Manifold or Valve Box Checked	N/A	
Pressure Head Set	N/A	
Electrical Checked	N/A	
Floats Set	N/A	
Alarm Checked	N/A	
Maintenance Contract Y (N)		

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**

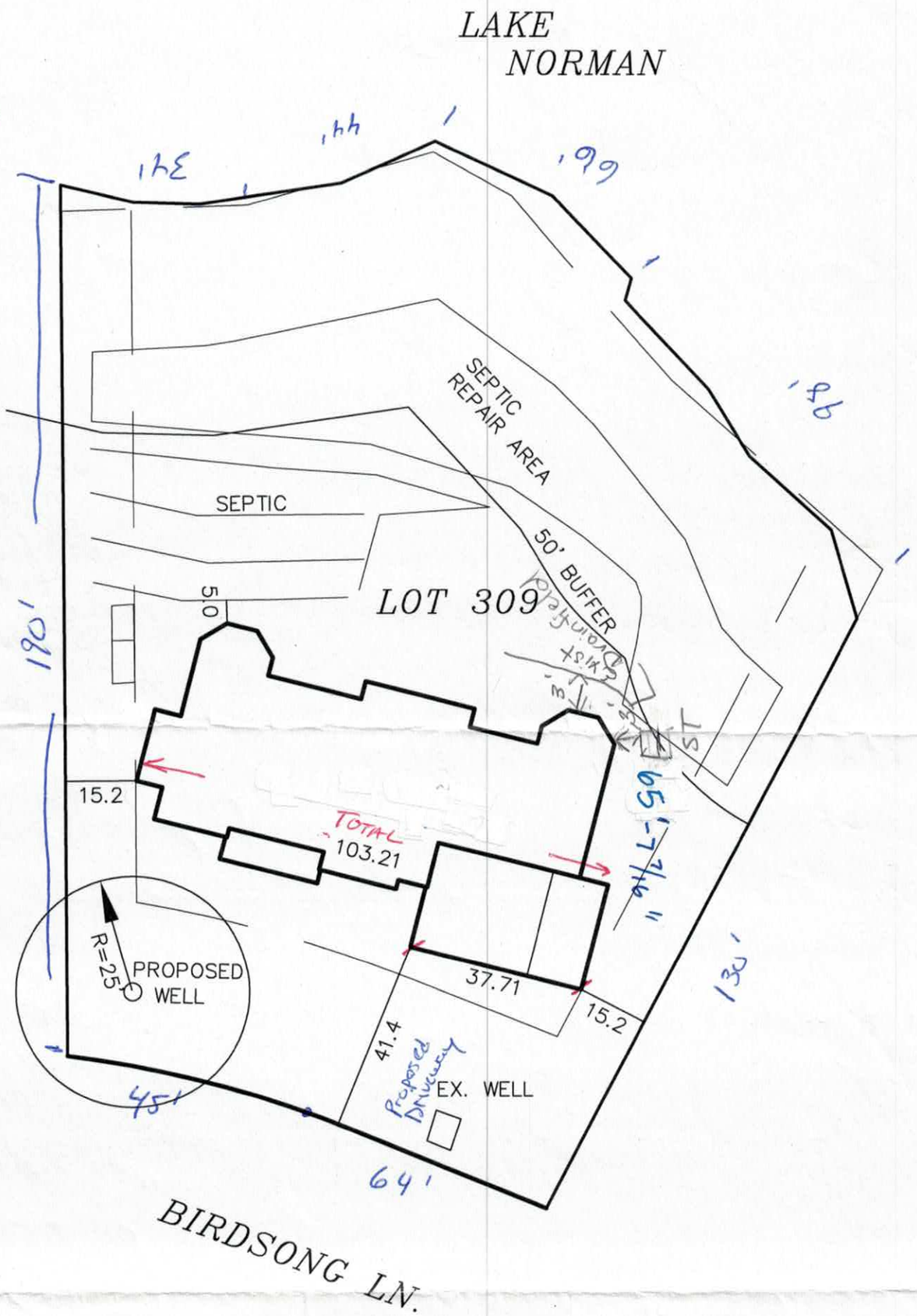
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 4/11/18 Installed by: Stanley Environmental

IMPROVEMENT PERMIT by: Marie Dotson Date: 4/16/18 OPERATION PERMIT by: Carla C. Cave Date: 10/19/18

AUTHORIZATION TO CONSTRUCT by: Marie Dotson Date: 4/11/18 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 inspector to confirm your inspection time.



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ns Submittal ONLY!
Date 4/10/18
Date

1" = 30'



Approved
1/21/17
MD

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 112 Birdsong Ln., CL&T Sec 6, Lot 309
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.125 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: Pretreatment Drip irrigation
Distribution: Low Pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 36 GPM
Dosing Volume: 219.6 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 3.7'
Friction Head: 1.2'
Pressure Head: 2'
Total Dynamic Head: 6.9'
Supply Line Length: 50' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36'



Line	Design Length	# of Panels	Actual Length	Elevation
Blue 1	55'	12	55'	4.3'
Yellow 2	60'	14	60'	5.4'
Pink 3	60'	14	62'	6.6'
White 4	92'	21	95'	7.7'

t Red 40'

Initial System: 267' **Repair System:** 4000+ FT2
Pump Tank: 3.0' **House Corner:** 2.3 **Benchmark:** 16.5'

Comments:
The property was deeded in 1975. The system is 5' to the property line. The water area for the pool in 16' x 32'.

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

Approved 1/21/17 MD

PROPERTY ID #: 4614722854
COUNTY: Iredell

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

OWNER: Stephen Thompson
APPLICATION DATE
ADDRESS: 2026 Raulston View Dr., Maryville, TN 37803
DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 0.64 AC
LOCATION OF SITE: 112 Birdsong Ln CL&T Sec 6 Lot 309
PROPERTY RECORDED: 1975
WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other
EVALUATION METHOD: Ξ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

1/19/17 Verified Soils MD

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	LS 10%	0-24	R C SBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		24-48	R CL WSBK	FR SS SP SEXP					
2	LS 10%	0-3	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		3-48	R C SBK	FR SS SP SEXP					
3	LS 10%	0-3	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		3-36	R C SBK	FR SS SP SEXP					
		36-48	R CL WSBK	FR SS SP SEXP					
4	LS 10%	0-3	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		3-48	R C SBK	FR SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	534 FT2	3840+ FT2
System Type(s)	PPBPS	DRIP
Site LTAR	0.3	0.125

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

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

Approved 1/21/17 MD

PROPERTY ID #: 4614722854
DATE OF EVALUATION:
COUNTY: IREDELL

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	LS 10% Not in Drainfield	0-3	Br CL WSBK	FR SS SP SEXP	CHR 2 @ 16"	16"	N/A	N/A	US
		3-16	R C SBK	FR SS SP SEXP					
		16-	R C ABK	FI S P MIXED					
6	LS 10% Not in Drainfield	0-3	Br CL WSBK	FR SS SP SEXP	CHR 2 @ 12"	12"	N/A	N/A	US
		3-12	R C SBK	FR SS SP SEXP					
		12	R C ABK	FI S P MIXED					

COMMENTS:

Please CALL prior to inspection
Name: Steve * Verify lot staked
302-562-8559

RECEIVED APR 2 - 2018 RECEIVED MAR 27 2018

DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Intermediate Relayout Pd. $320.00

Application Number: # 224173

(✓) 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: L. Stephen Wilkinson Address: 121 Holly Pond La. Mooresville Zip: 28117
Applicant Email: stevewilkinson@tlac.com Phone: 302 562 8559 Alt. Phone: _____
Owner Name: SAME Address: _____ Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 112 Birdsong La. Mooresville NC 28117
Subdivision Name: CLOT Section/Phase: 6 Lot Number: 309
Driving Directions: Brawley School ⇒ Tuscarora Trail ⇒ Birdsong ⇒ #112

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

(✓) 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: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(✓) 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 ( ) 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 (✓) 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: _____ 3/20/18
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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, L. Stephen Wilkinson, am the legal owner(s) of the property located at 117 Bidding Ln. Mooresville N.C., identified as PIN (Parcel Identification Number) 4614-72-2854.000, 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.

[signature]	3/20/18	_____	_____
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

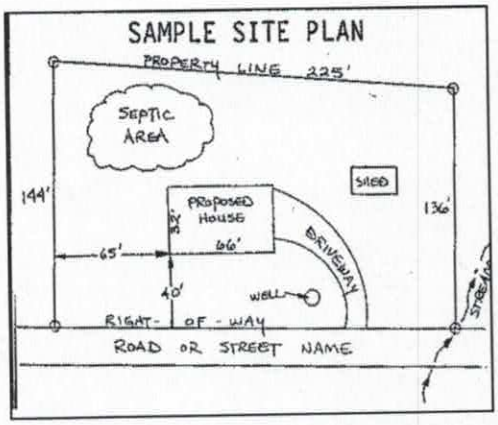
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL 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
- (✓) Preferred well location
- (✓) Preferred septic system 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

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

(See Attached)

More Detailed Site plan will be sent as a PDF File

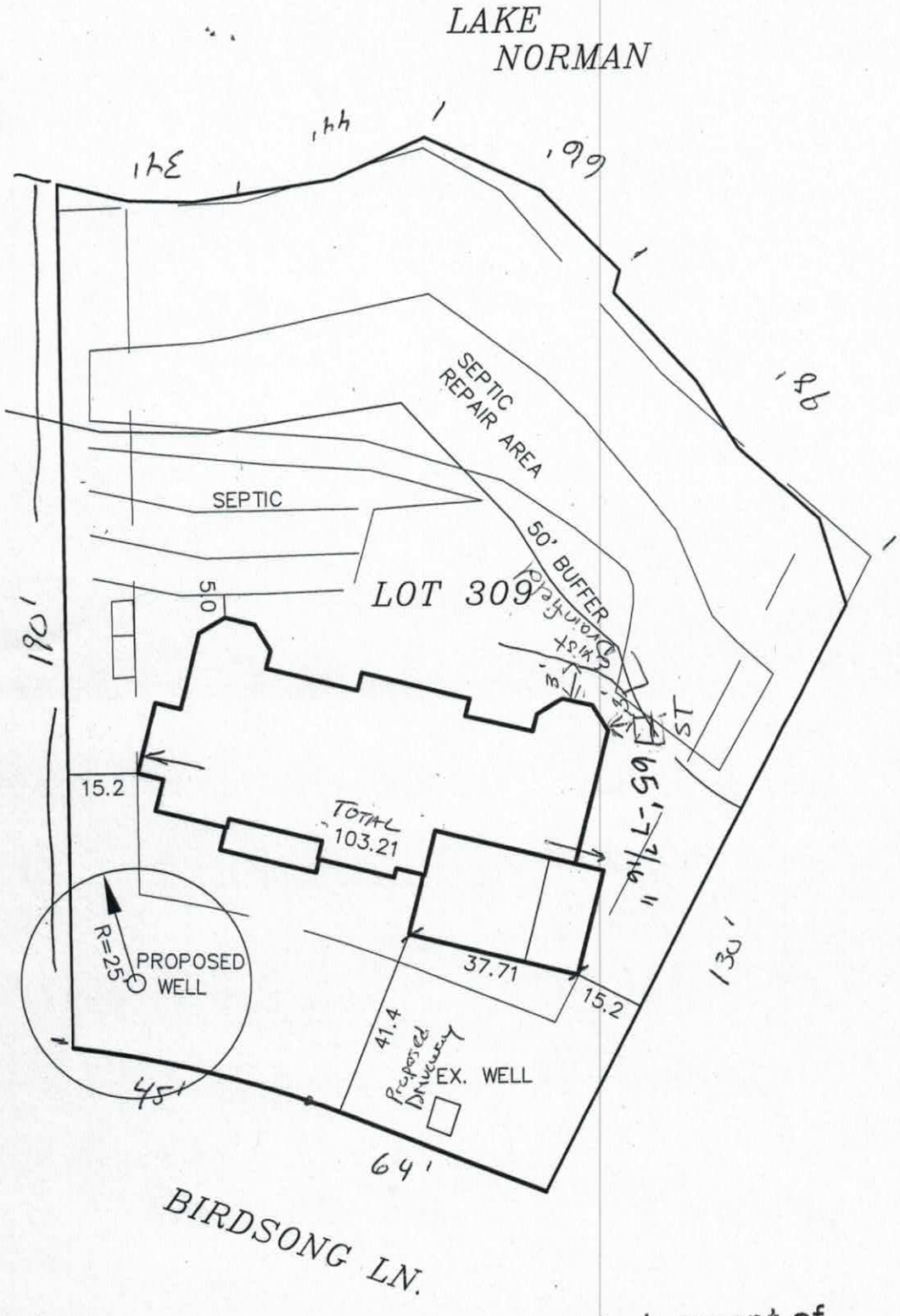
From Don Allen & Associated Land Surveyors.

Signature: _____

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

3/20/18

DATE



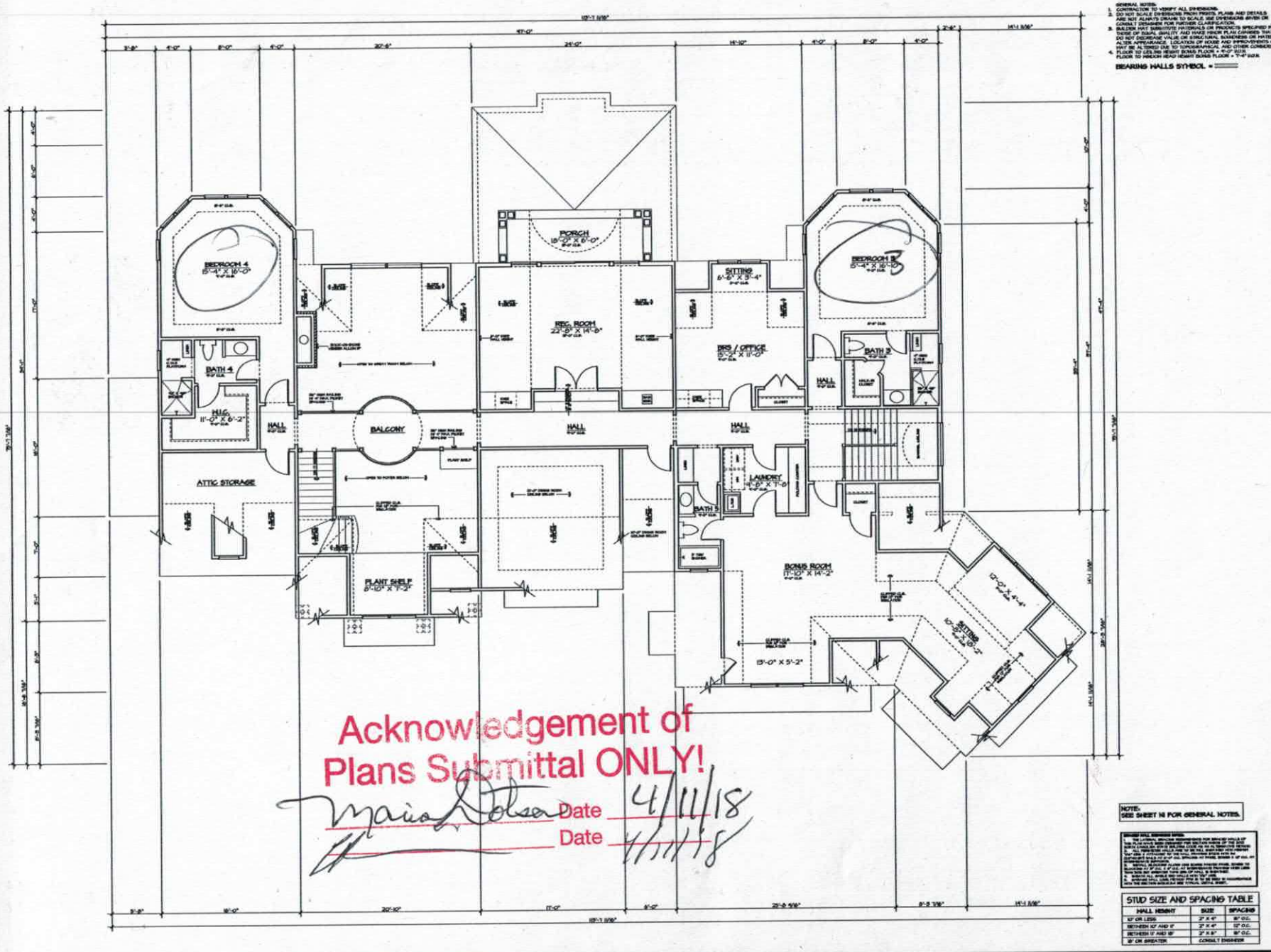
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ns Submittal ONLY!

Date 4/10/18

Date

1" = 30'

SECOND FLOOR PLAN



GENERAL NOTES:
1. CONTRACTOR TO VERIFY ALL DIMENSIONS.
2. DO NOT SCALE DIMENSIONS FROM PRINTS. PLANS AND DETAILS ARE NOT ALWAYS DRAWN TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
3. BUILDER MAY SUBSTITUTE INSULATION TYPES AND R-VALUES SPECIFIED FOR THOSE OF EQUAL OR GREATER R-VALUE PROVIDED THAT THERE IS NO REDUCTION IN THE STRUCTURAL SOUNDNESS OR MATERIALLY ADVERSE APPEARANCE. LOCATION OF HOSE AND PIPING VENTS ON LOT ALSO TO BE ALTERED DUE TO TOPOGRAPHICAL AND OTHER CONSIDERATIONS.
4. FLOOR TO CEILING HEIGHT BOARD FLOOR = 9'-0" NOM.
FLOOR TO HIGHEST HEAD HEIGHT BOARD FLOOR = 7'-4" NOM.

BEARING WALLS SYMBOL =

NOTE:
SEE SHEET N1 FOR GENERAL NOTES.

STUD SIZE AND SPACING TABLE

WALL HEIGHT	SIZE	SPACING
10' OR LESS	2" X 4"	16" O.C.
BETWEEN 10' AND 9'	2" X 4"	12" O.C.
BETWEEN 9' AND 10'	2" X 6"	16" O.C.
10' OR GREATER	CONSULT ENGINEER	

Acknowledgement of
Plans Submittal ONLY!

Date 4/11/18

Date 4/11/18

CENTURY DESIGNS, INC.
Residential Design & Drafting Services
13420 Reese Blvd. West
Huntersville, North Carolina 28078
phone: 704.948.7078 email: jason@centurydesignsinc.com

CUSTOM RESIDENCE
MR. & MRS. WILKINSON
NORTH CAROLINA

DATE: 11.14.14
REVISIONS ###
SHEET TITLE: SECOND FLOOR PLAN
DRAWN BY: JR

3 / 8
SCALE: 1/4" = 1'-0"

IREDELL COUNTY

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

APPLICATION NUMBER
224173
Issue Date: 01/06/2017

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4614722854.000	112 BIRDSONG LANE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: THOMPSON STEPHEN J	Applicant: NELL GREGORY D+SUSAN R
Address: 2026 RAULSTON VIEW DR MARYVILLE, TN 37803	Address: 162 GREAT POINT DR MOORESVILLE, NC 28117
Phone:	Phone:

Use Requested	Zone Code
SFD	R20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.640	35.00	50.00	15.00	15.00	CACL	AE

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	89822	TOTAL FEES:	$ 77.25