IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 (BB) Mooresville Office (704) 660-3625 PERMIT # 223299

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

PIN # 4614-84-9662

APPLICANT/OWNER: Steve Waters APPLICANT ADDRESS: 236 Tuskarora Trail Mooresville, NC

SITE ADDRESS: 112 Sunstede Drive Mooresville NC PHONE: 704-746-4531 ALT. PHONE

SITE DIRECTIONS: BSR towards Lake Norman → R on 1st Tuskarora Trail → R on Sunstede → on Right SAP CONTROLLED: ☐ YES ☒ NO

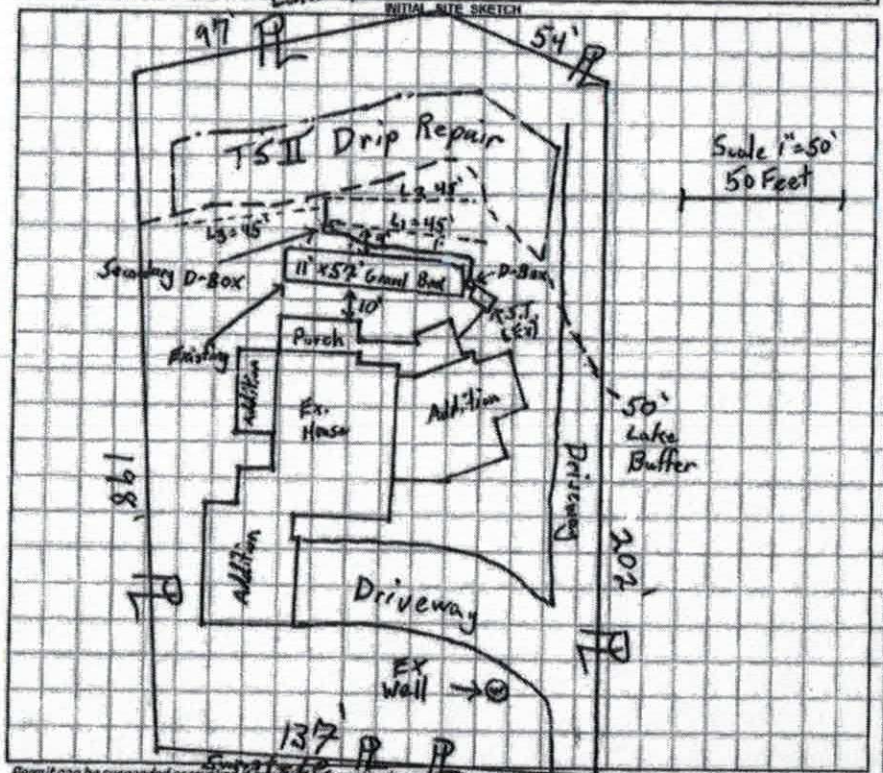
SUBDIVISION: CL+T SECTION: 6 LOT # 266 LOT AREA: 0.68 acres DESIGN FLOW: 480 GPD L.T.A.R.: 0.30

Septic Tank	Ex 1000 (gal)	STB	Date	☐ 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: Ex Gravel Bed + 50% Reduction		☐ Business	No. Persons 8	☒ Private Ex
Pump Make	—	Model	Serial # —	Repair System Description: TS II + Drip		☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines 3	Linear Ft 135	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☐ Crawl Space	☐ Community
Trench Width	24"	Trench Bottom Depth(Low side)	33"-41"	Gravel Depth —	☒ GRAVITY ☐ PRESSURE	☒ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: First Distribution Box from tank to split flow equally between existing bed + new lines. Secondary D-Box to split flow equally between 45' lines. Recommend replacing

Septic tank with new 1000 gallon tank + pumping tank every 3-5 years. Reroute all house drains/downspout drains around septic area. Follow manufacturer specifications if installed w/ Trench Bottom deeper than 46".

INITIAL SITE SKETCH



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 plan 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: Steve Waters Date: 8-29-2017 Installed by: RLH Septic

IMPROVEMENT PERMIT by: Tom Slough Date: 6/30/17 OPERATION PERMIT by: Benjamin A Bottoms Date: 6/26/2019.

AUTHORIZATION TO CONSTRUCT by: Tom Slough Date: 6/30/17 Existing System Inspected by: Date:

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 (BB)

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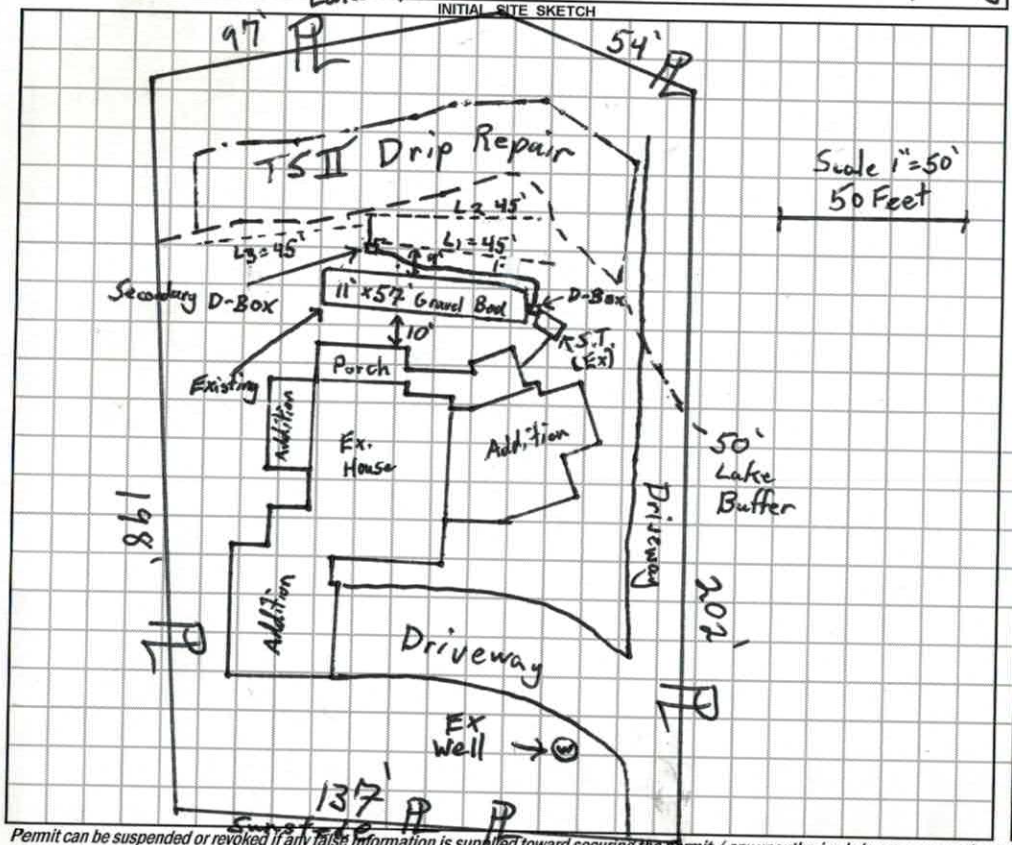
SUBDIVISION: CL+T SECTION: 6 LOT # 266 LOT AREA: 0.68 acres DESIGN FLOW: 480 GPD L.T.A.R.: 0.30

Septic Tank	Ex 1000	(gal)	STB		Date		☐ New System ☐ Repair ☒ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	4
Pump Tank	—	(gal)	PT	—	Date	—	System Description: Ex Gravel Bed + 50% Reduction		☐ Business	No. Persons	8
Pump Make	—	Model		—	Serial #	—	Repair System Description: TS II + Drip		☐ Other	No. Employees	
# Nitrification Fields	1	# Lines	3		Linear Ft	135	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab	☐ Crawl Space	
Trench Width	24"	Trench Bottom Depth(Low side)				33"-49"	Gravel Depth —	☒ GRAVITY ☐ PRESSURE	☒ Basement w/plumbing	☐ Basement w/o plumbing	

Water Supply: ☒ Private Ex ☐ Public ☐ Community

Comments / Conditions: First Distribution Box from tank to split flow equally between existing bed + new lines. Secondary D-Box to split flow equally between 45' lines. Recommend replacing septic tank with new 1000 gallon tank + pumping tank every 3-5 years. Reroute all house drains/downspout drains around septic area. Follow manufacturer specifications if installed w/ Trench Bottom deeper than 46".

INITIAL SITE SKETCH



AS BUILT SKETCH

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☐ 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: Steve Waters Date: 8-29-2017 Installed by:

IMPROVEMENT PERMIT by: Tom Shuck Date: 6/30/17 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 6/30/17 Existing System Inspected by: Date:

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

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: Iredell

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

OWNER: Steve Waters
ADDRESS: 236 Tuckaroma Trail
APPLICATION DATE: 6/1/2017
PROPOSED FACILITY: 4BR House
PROPOSED DESIGN FLOW (.1949): 480 GPD
DATE EVALUATED: 6/23/17
LOCATION OF SITE: 112 Sunstede Rd Mooresville
PROPERTY SIZE: 0.68 acres
PROPERTY RECORDED: Yes
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other Existing
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	LSS 7% Header End Primary	0-38	Clay W-M SBK/ASK	Firm, Stick, Sp, Scap	—	48	—	—	0.3 PS
		38-46	Clay Loam W. SBK some	Sl. Friable, SS, Sp, Scap					
2	LSS 7% Distal End Primary	0-34	Clay some W. SBK	Firm, Sticky, Sp, Scap	—	48	—	—	0.3 PS
		34-48	Clay Loam W. SBK some	Sl. Friable, SS, Sp, Scap					
3	7% LSS Lake Buffer Distal Repair	0-38	Clay W. SBK	Firm, Sticky, Sp, Scap	—	48	—	—	0.275 PS
		38-45	Clay Loam W. SBK	Sl. Friable, SS, Sp, Scap					
		45-48	Clay Loam V.W. SBK	Sl. Friable, SS, Sp, Scap					
			Some Mngnese 45"-48"						
4	7% LSS Lake Buffer Header Repair	0-34	Clay some W. SBK mica	Sl. Firm, Sticky, Sp, Scap	—	48	—	—	0.30 PS
		34-48	Clay Loam V.W. SBK some	Friable, SS, Sp, Scap					
			Saprol. fr 44"-48"						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	135'	2500 ft²
System Type(s)	50% ABS	TSII Drip Buffer
Site LTAR	0.3	0.275

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: ___

COMMENTS: ___

pd $250 old 71 # 223299

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

(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)

RECEIVED JUN - 1 2017

1. APPLICATION FOR: (✓) Improvement Permit ( ) Authorization To Construct ( ) Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application (See Application on Hold by HS)

The following optional attachments may also be submitted:
Place check ( ) beside whichever is submitted if applicable
( ) Survey Plat, Scaled no more than 1 Inch = 60 Feet
( ) Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

STEVE WATERS	236 TUSKAROORA TRAIL		704-746-4531
Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
STEVE HOSLER	112 SUNSTEDE DRIVE	847-846-8607	
Owner Name	Mailing Address	Home Phone #	Alternate Phone #

4. Property Information:

112 SUNSTEDE DRIVE	CLT	266
Street Address	Subdivision Name	Section/Phase and Lot Number

Driving Directions: BRITWEN WEST TO TUSKAROORA TRAIL, RT ONTO SUNSTEDE PROJECT ON RT. 2ND PROPERTY

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

( ) 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 4
Maximum Number of Occupants 4
If Expansion, Current Number of Bedrooms ___

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

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

6. Proposed Water Supply:

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

7. Desired Septic System Type: *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed 71 *Year*

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

8. 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. industry) 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.

9. Signature: Steve Waters
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

6-1-2017
DATE

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

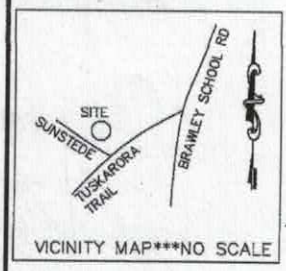
I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2171, page 381, and/or plat book 34, page 25, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 12, day of DEC., A.D. 20 16.

REVISED JUNE 2, 2017 (ADDED ADDITION TO SURVEY)

WILLIAM M. ALLEN

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

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	574.06'	38.89'	S 86°08'27" W	38.88'



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 5/26/2016) ELEVATION: 758.7'
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

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

0' 20' 40' 100'
SCALE IN FEET

SCALE 1" = 40'

ACQUIRED BY:

BOUNDARY SURVEY

OF
112 SUNSTEDE DR.
LOT 266 CRESCENT LAND & TIMBER CORP. SECT. 6
DAVIDSON TWSP., IREDELL CO., N.C.
STEVEN C. HOSLER LIVING TRUST

FIELD BOOK: 501
FILE: CLT 266 S6
DC FILE:
TAX MAP NO: 4614849662

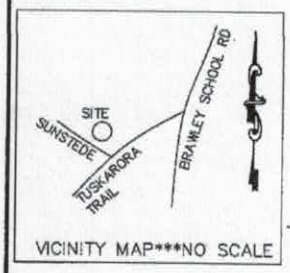
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WILLIAM M. ALLEN, PLS

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

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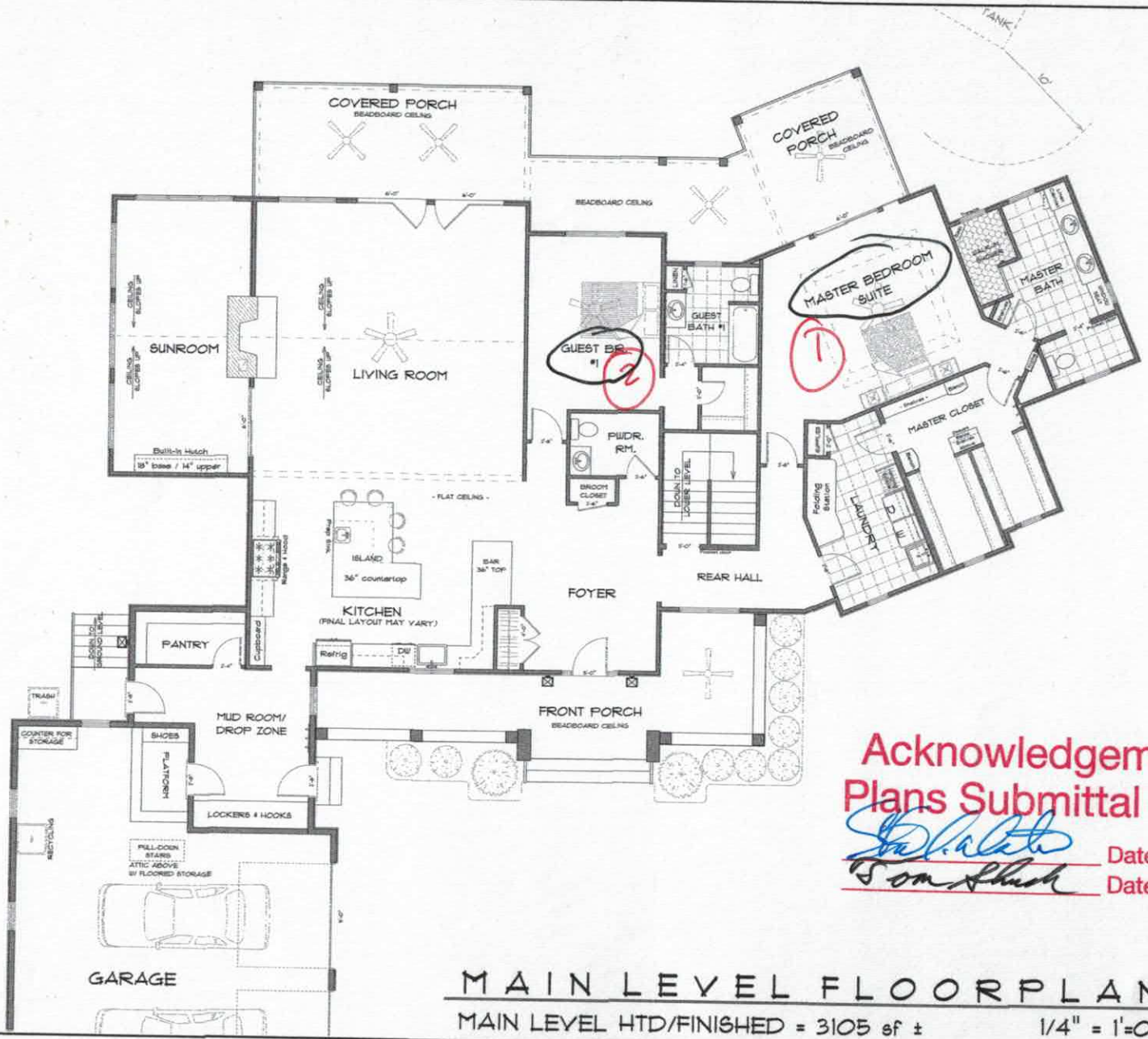
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SCALE IN FEET

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OF
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LOT 266 CRESCENT LAND & TIMBER CORP. SECT. 6
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 40'
ACQUIRED BY: STEVEN C. HOSLER LIVING TRUST

FIELD BOOK: 501
FILE: CLT 266 S6
DC FILE:
TAX MAP NO: 4614849662



Acknowledgement of Plans Submittal ONLY!

Date 6-2-2017

Date 6/30/17

MAIN LEVEL FLOORPLAN

MAIN LEVEL HTD/FINISHED = 3105 sf ±

1/4" = 1'-0"

- PRELIMINARY - NOT FOR CONSTRUCTION -

THE HOSLER FAMILY LAKEHOME

112 SUNSTEDE DRIVE

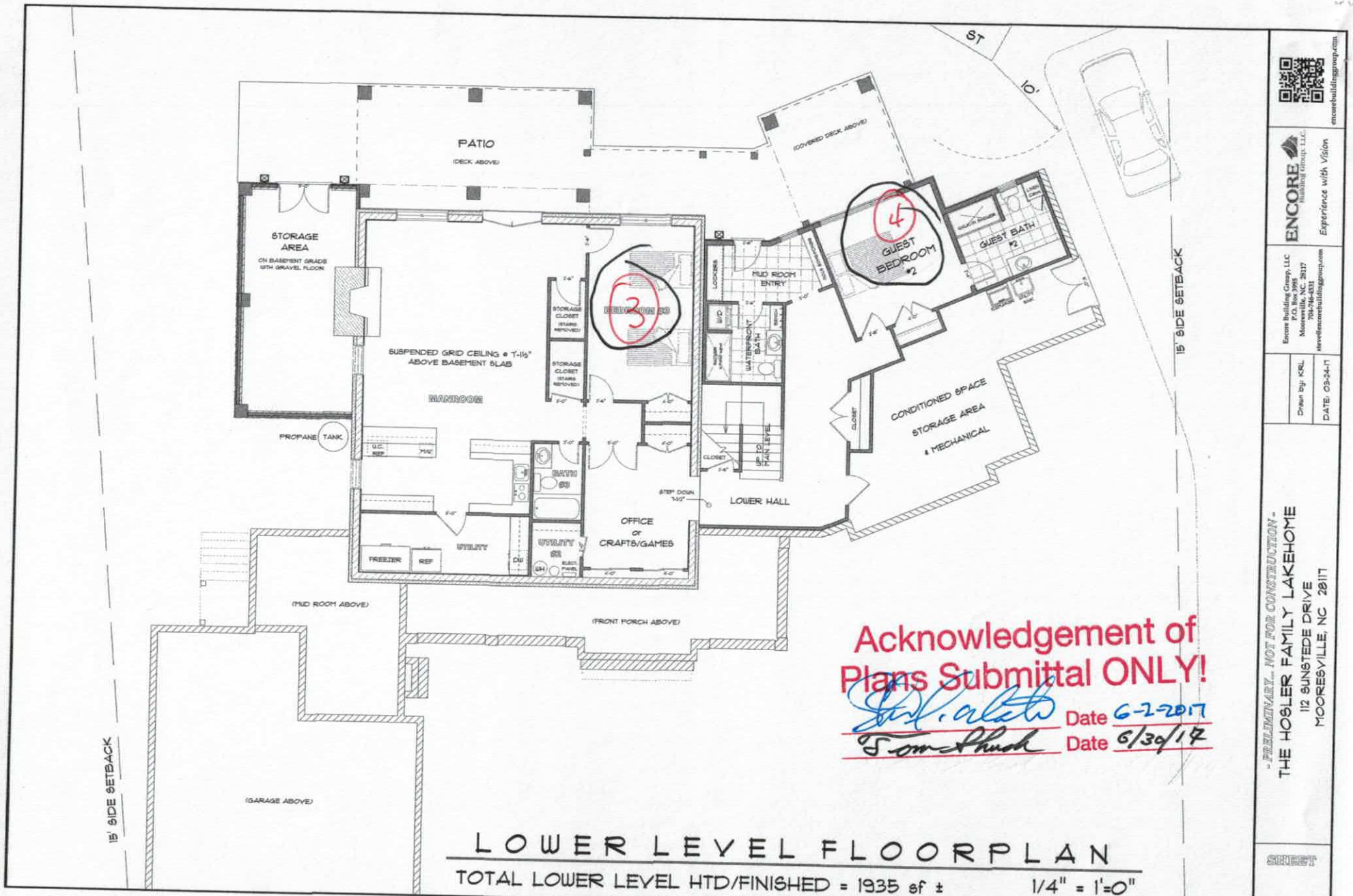
MOORESVILLE, NC 28117

Drawn by: KRL

DATE: 03-24-17

SHEET

ENCORE Building Group, LLC
Experience with Vision
Encore Building Group, LLC
P.O. Box 3993
Mooresville, NC 28117
704-746-6331
steve@encorebuildinggroup.com
encorebuildinggroup.com



Acknowledgement of Plans Submittal ONLY!

Date 6-2-2017

Date 6/30/17

LOWER LEVEL FLOORPLAN

TOTAL LOWER LEVEL HTD/FINISHED = 1935 sf ± 1/4" = 1'-0"

ENCORE Building Group, LLC
Experience with Vision
encorebuildinggroup.com

Encore Building Group, LLC
P.O. Box 3995
Mooresville, NC. 28117
704-746-4831
steve@encorebuildinggroup.com

Drawn by: KRL
DATE: 03-24-17

- PRELIMINARY... NOT FOR CONSTRUCTION -

THE HOBLER FAMILY LAKEHOME
112 SUNSTEDE DRIVE
MOORESVILLE, NC 28117

SHEET