2100

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 (PJ) | PERMIT # 22147

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

PIN # 4614-83-1996

APPLICANT/OWNER: BOB AND NANETTE ROSE | APPLICANT ADDRESS: 107 TORRIDGE AVENUE, MOORESVILLE, N.C. 28115

SITE ADDRESS: 107 BUTTER-CUP DRIVE, MOORESVILLE, N.C. 28117 | PHONE: 949-633-1644 | ALT. PHONE: —

SITE DIRECTIONS: (I) ON 77, (R) ON BRAWLEY SCHOOL, (R) ON TUSKAROORA TRAIL, (L) ON BUTTERCUP, LOT ON (R) | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: LL+T | SECTION: 6 | LOT # 303 | LOT AREA: 1.00 AC | DESIGN FLOW: 480GPD | L.T.A.R.: 0.3

Septic Tank	1000 (gal)	STB	794	Date	8-[illegible]-2021	☑ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms: 4
Pump Tank	1000 (gal)	PT	27	Date	8-27-2021	System Description: 50% REDUTION - PPBPS - P.M.		☐ Business	No. Persons: 8
Pump Make	Liberty	Model	290HVS	Serial #		Repair System Description: PRETREATED PPBPS - 50% REDUTION		☐ Other	No. Employees: —
# Nitrification Fields	1	# Lines	6	Linear Ft:	267FT	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab ☐ Crawl Space	☑ Basement w/plumbing ☐ Basement w/o plumbing
Trench Width	24 IN	Trench Bottom Depth(Low side)	30 IN	Gravel Depth	—	☐ GRAVITY ☑ PRESSURE		Water Supply: ☑ Private EXT ☐ Public ☐ Community	

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 8FT CENTERS, UTILIZE PRESSURE MANIFOLD DISTRIBUTION, UTILIZE D-BOX TO FEED LL+L2 EQUALLY FROM THE SAME TAP, MAINTAIN SOFT FROM ALL WELLS

PUMP EXISTING TANK PRIOR TO REMOVAL, CREATE EARTHEN DAM AROUND SUPPLY LINE WHERE IT CROSSES GRAVEL BED

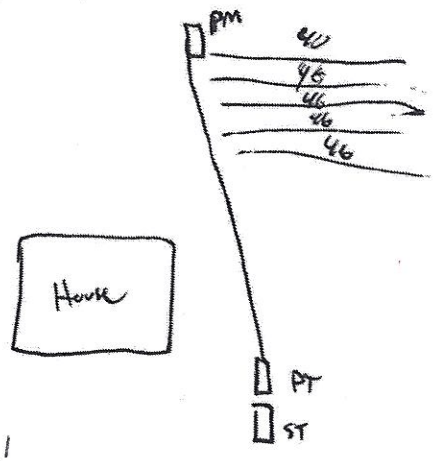
INITIAL SITE SKETCH

SEE ATTACHED SITE PLAN BY: ICHD BRYANT C. WHITE

AS BUILT SKETCH

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 time.

Tanks 9-29-2021 GS
Lines



11/16/21
Check 2' pressure
Elect & alarm

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 plot 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: [signature] Date: 12/16/20 Installed by: R&H Septic

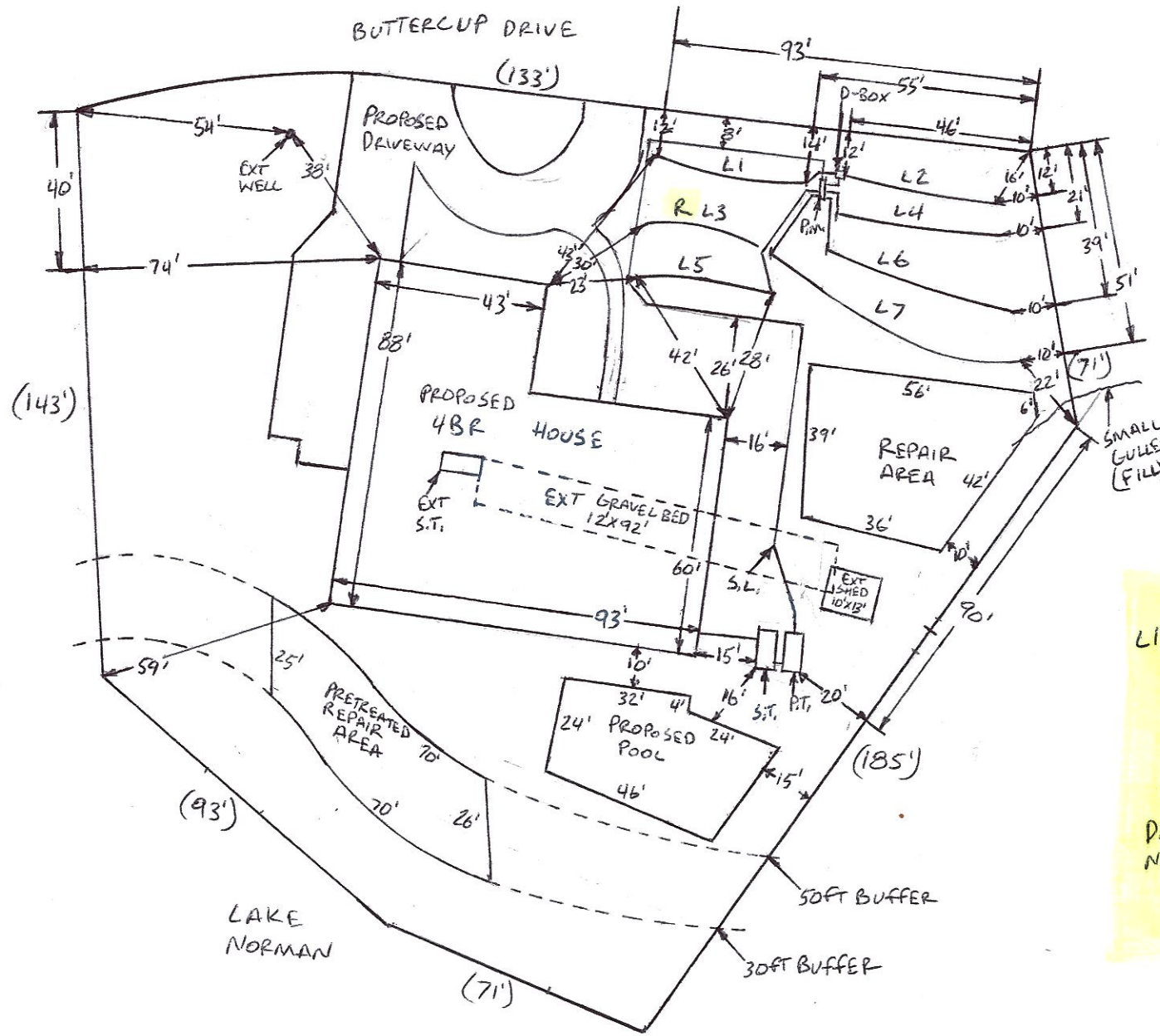
IMPROVEMENT PERMIT by: Bryant C. White Date: 12-16-2020 OPERATION PERMIT by: [signature] Date: 11/16/21

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 12-16-2020 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

APPROVED DEC 1 6 2020

Burbutt C. Whitten



1 IN = 40 FT

S.T. = SEPTIC TANK

P.T. = PUMP TANK

S.L. = SUPPLY LINE

P.M. = PRESSURE MANIFOLD

EXT = EXISTING

R = REPAIR

L1 = 35 FT

L2 = 35 FT

L3 = 47 FT REPAIR

L4 = 42 FT

L5 = 35 FT

L6 = 50 FT

L7 = 70 FT

L3 + L5 ARE SAME ELEVATION

TAPS

L1 + L2 = 3/4 SCH 80

L4 = 1/2 SCH 80

L5 = 1/2 SCH 80

L6 = 1/2 SCH 40

L7 = 3/4 SCH 80

GPM = 38.27

DOSE VOLUME = 216 GAL

NUMBER OF PANELS = 60

RUN TIME = 5.75 MINS

DRAW DOWN = 10.25 IN

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

Sheet 1 of 2
PROPERTY ID #: 4614831
COUNTY: IREDELL

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

OWNER: BOB & NANNETTE ROSE — APPLICATION DATE 9-8-20
ADDRESS: 107 TORRIDGE AVENUE, MOORESVILLE, N.C. 28115 — DATE EVALUATED: 11-3-2020
PROPOSED FACILITY: 4BR — PROPOSED DESIGN FLOW (.1949): 480GPD — PROPERTY SIZE: 1.00 AC
LOCATION OF SITE: 107 BUTTERCUP DRIVE, MOORESVILLE, N.C. 28117 — PROPERTY RECORDED: YES
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit (EXT) ☐ 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	LINEAR SIDE 6%	0-12	GRAVEL COMPACTED		DRIVEWAY				PS .3
		12-47	C, SBK	FR, S, P, SEXP	SAP INC THRU OUT MICA COMMON	65"	NP	NA	
		47-65	CL, WSBK	FI, SS, SP, SEXP		REMOVED 11-17-2020			
2	LINEAR SIDE 4%	0-9	GRAVEL/SCL/DRIVEWAY		SAP INC THRU OUT MICA COMMON	65"+	NA	NA	PS .3
		9-42	C, SBK	FR, S, P, SEXP					
		42-65	CL, WSBK	FR, SS, SP, SEXP					
3	LINEAR SIDE 10%	0-8	SCL, SBK	FR, SS, SP, SEXP	LARGE SAP INC THRU OUT	55"+	NA	NA	PS .3
		8-30	C, SBK	FR, S, P, SEXP					
		30-55	CL, WSBK	FR, SS, SP, SEXP					
4	LINEAR SIDE 7%	0-10	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT	52"+	NA	NA	PS .3
		10-36	C, SBK	FR, S, P, SEXP					
		36-52	CL, WSBK	FR, SS, SP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	50%	PRE-TREAT 50%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Burgent C. White
OTHER(S) PRESENT: _____

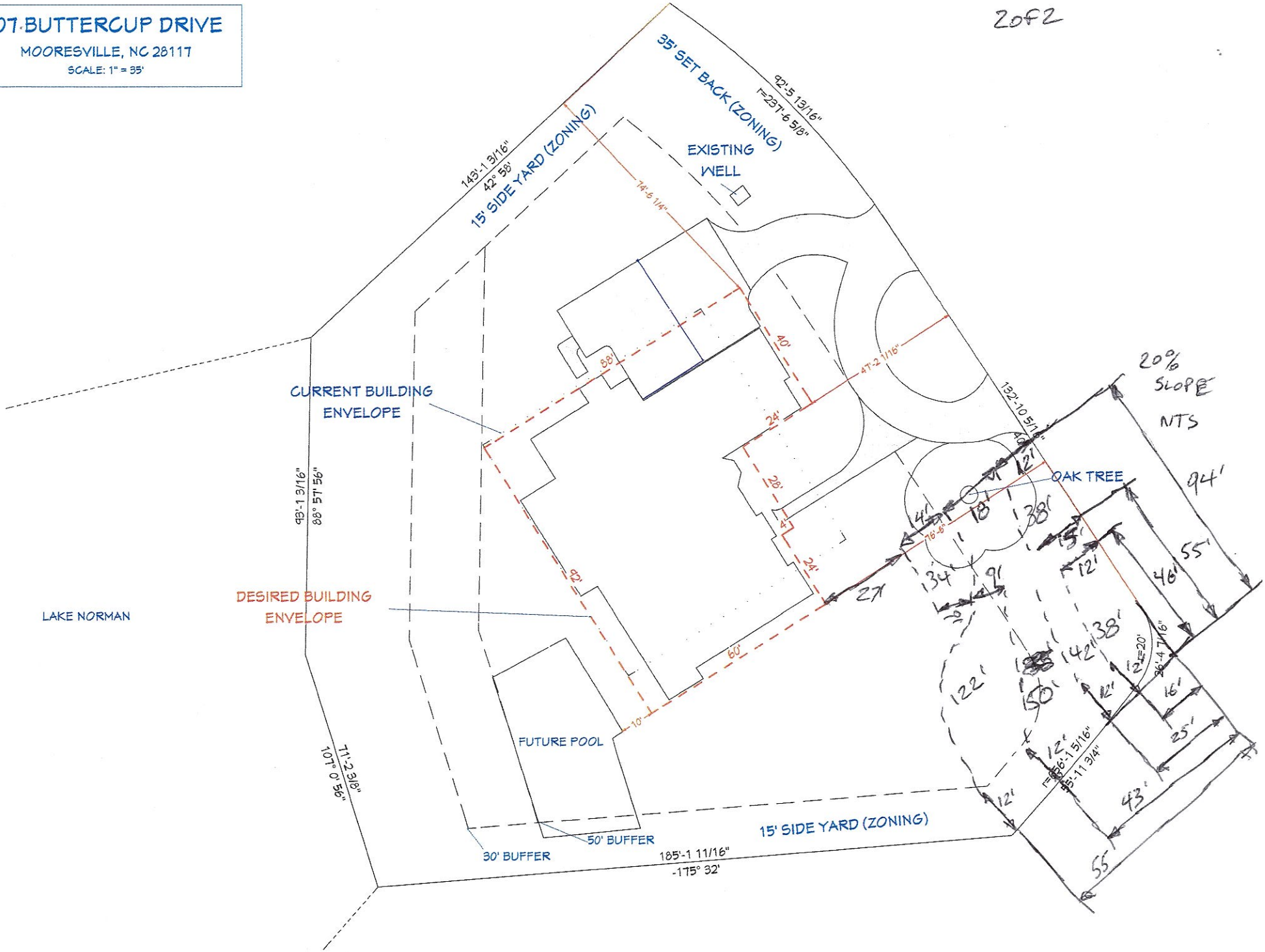
COMMENTS: _____

107 BUTTERCUP DRIVE

MOORESVILLE, NC 28117

SCALE: 1" = 35'

2 of 2



RECEIVED SEP 2 2 2020

AP-310728 (221142) $320.00

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM*

Application For: ( ) New Well Permit ( ) Well Repair Permit (X) Intermediate re-key ( ) Well Abandonment
( ) Septic Improvement Permit (X) 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: Nanette Rose Address: 107 Torridge Ave, Mooresville Zip: 28115
Applicant Email: nanette.rose@gmail.com Phone: (949) 633-1644 Alt. Phone: _____
Owner Name: Bob and Nanette Rose Address: (same) Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 107 Buttercup Dr., Mooresville, NC 28117
Subdivision Name: Crescent Land + Timber Corp Section/Phase: _____ Lot Number: 303
Driving Directions: From Brawley School Rd, Turn Right on Tuskaroora Trail. Travel 1 mile and Turn Right on Buttercup. Property is on SW corner of Tuskaroora + Buttercup

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: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

CHECK FOUNDATION TYPE

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

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: ?
(X) 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 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: Nanette Rose 9/8/20
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*) _____

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, _____, am the legal owner(s) of the property located at _____, identified as PIN (Parcel Identification Number)_____, 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.

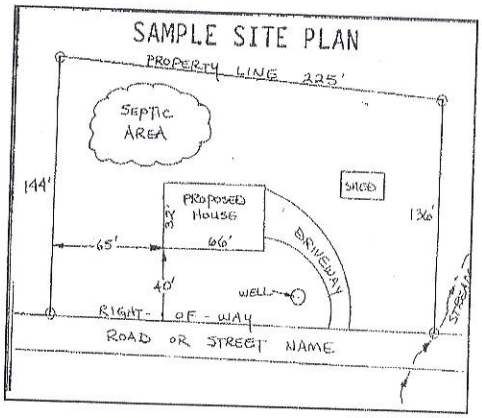
_____ _____
Signature of Owner(s) Date

Mooresville - Environmental Health
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

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

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 2: *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
- (X) Front and side setbacks from property line
- (X) Preferred driveway location and 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

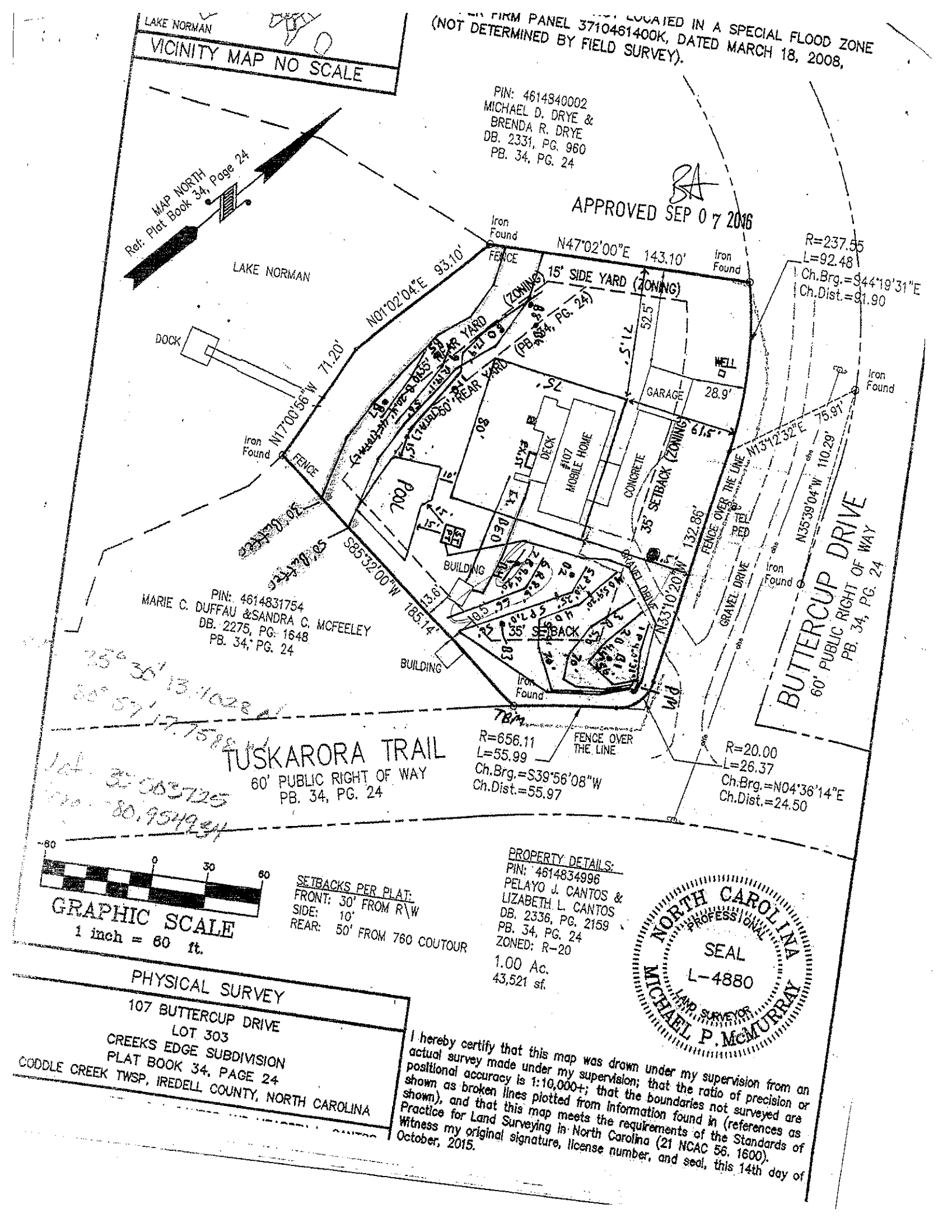
USE THIS SPACE TO DRAW YOUR SITE PLAN

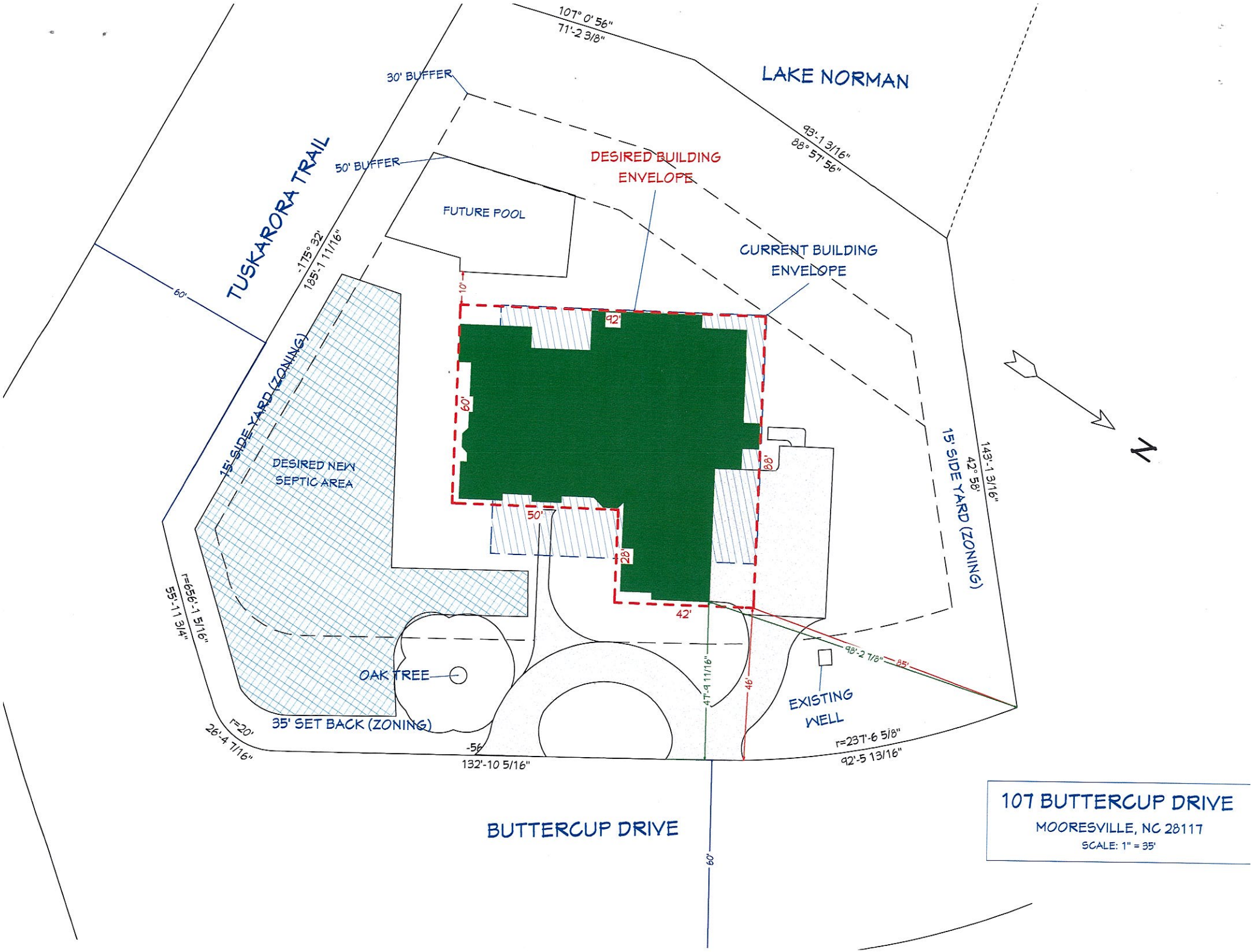
Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

(See Attached)

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

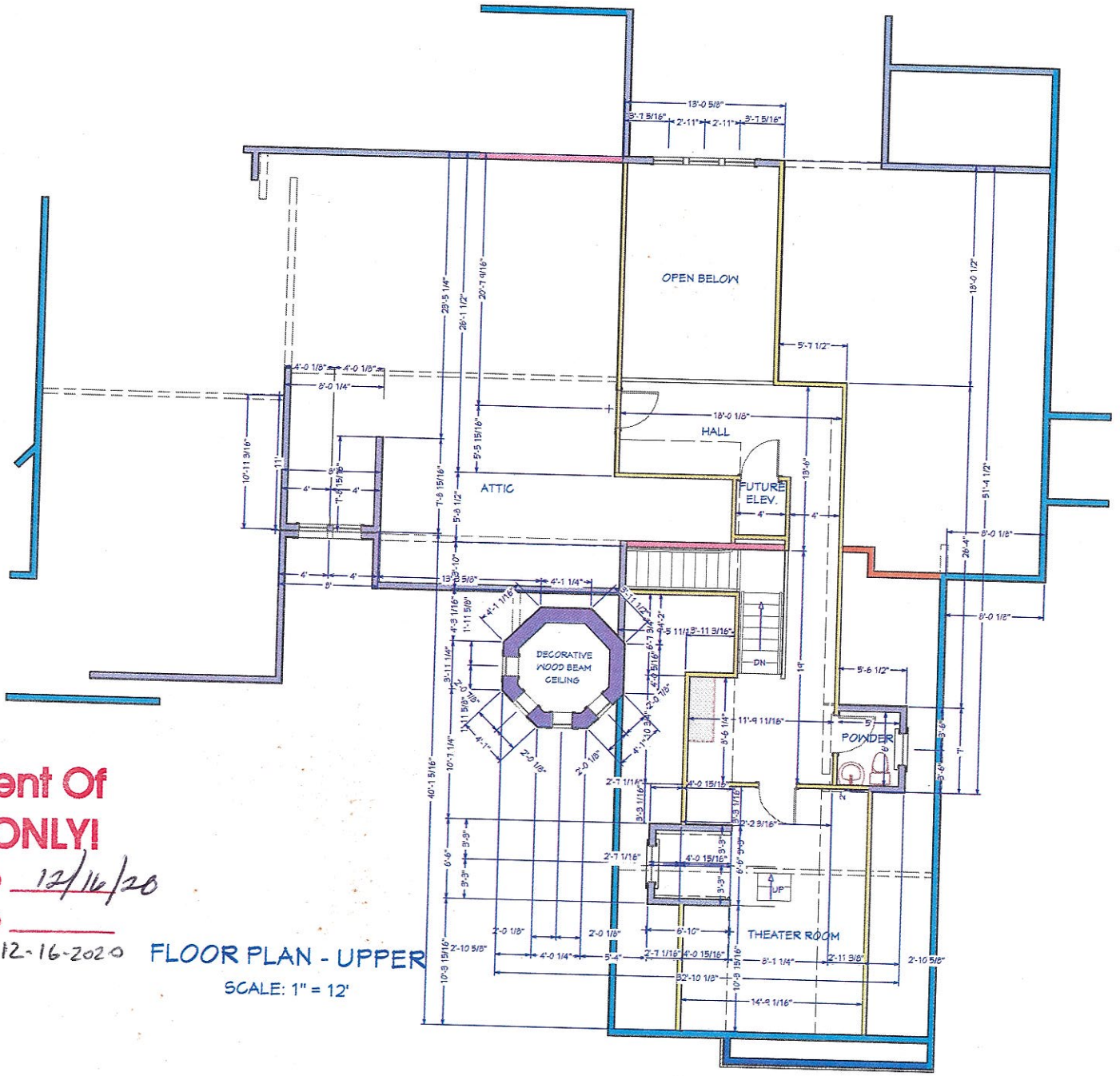
9/8/20
DATE


LAKE NORMAN
VICINITY MAP NO SCALE
ER FIRM PANEL 3710461400K, DATED MARCH 18, 2008, LOCATED IN A SPECIAL FLOOD ZONE
(NOT DETERMINED BY FIELD SURVEY).
PIN: 4614840002
MICHAEL D. DRYE &
BRENDA R. DRYE
DB. 2331, PG. 960
PB. 34, PG. 24
APPROVED SEP 07 2016
MAP NORTH
Ref: Plat Book 34, Page 24
LAKE NORMAN
Iron Found
FENCE
N47°02'00"E 143.10'
Iron Found
15' SIDE YARD (ZONING)
N01°02'04"E 93.10'
DOCK
N17°00'56"W 71.20'
Iron Found
FENCE
50' REAR YARD (ZONING)
(PB. 34, PG. 24)
52.5'
71.5'
WELL
GARAGE
28.9'
61.5'
DECK
#107
MOBILE HOME
CONCRETE
35' SETBACK (ZONING)
POOL
10'
15'
DECK
BUILDING
S85°32'00"W 185.14'
13.6'
BUILDING
GRAVEL DRIVE
N33°10'20"W 132.86'
FENCE OVER THE LINE
N13°12'32"E 75.97'
N35°39'04"W 110.29'
Iron Found
Iron Found
TEL
PED
GRAVEL DRIVE
Iron Found
PIN: 4614831754
MARIE C. DUFFAU &SANDRA C. MCFEELEY
DB. 2275, PG. 1648
PB. 34, PG. 24
TUSKARORA TRAIL
60' PUBLIC RIGHT OF WAY
PB. 34, PG. 24
R=656.11
L=55.99
Ch.Brg.=S39°56'08"W
Ch.Dist.=55.97
FENCE OVER THE LINE
BUTTERCUP DRIVE
60' PUBLIC RIGHT OF WAY
PB. 34, PG. 24
R=237.55
L=92.48
Ch.Brg.=S44°19'31"E
Ch.Dist.=91.90
R=20.00
L=26.37
Ch.Brg.=N04°36'14"E
Ch.Dist.=24.50
-60
0
30
60
GRAPHIC SCALE
1 inch = 60 ft.
SETBACKS PER PLAT:
FRONT: 30' FROM R\W
SIDE: 10'
REAR: 50' FROM 760 COUTOUR
PROPERTY DETAILS:
PIN: 4614834996
PELAYO J. CANTOS &
LIZABETH L. CANTOS
DB. 2336, PG. 2159
PB. 34, PG. 24
ZONED: R-20
1.00 Ac.
43,521 sf.
NORTH CAROLINA
PROFESSIONAL
SEAL
L-4880
LAND SURVEYOR
MICHAEL P. McMURRAY
PHYSICAL SURVEY
107 BUTTERCUP DRIVE
LOT 303
CREEKS EDGE SUBDIVISION
PLAT BOOK 34, PAGE 24
CODDLE CREEK TWSP, IREDELL COUNTY, NORTH CAROLINA
I hereby certify that this map was drawn under my supervision from an actual survey made under my supervision; that the ratio of precision or positional accuracy is 1:10,000+; that the boundaries not surveyed are shown as broken lines plotted from information found in (references as shown), and that this map meets the requirements of the Standards of Practice for Land Surveying in North Carolina (21 NCAC 56. 1600). Witness my original signature, license number, and seal, this 14th day of October, 2015.


LAKE NORMAN
107° 0' 56"
71'-2 3/8"
30' BUFFER
50' BUFFER
TUSKARORA TRAIL
93'-1 3/16"
88° 57' 56"
DESIRED BUILDING ENVELOPE
CURRENT BUILDING ENVELOPE
FUTURE POOL
175° 32'
185'-1 11/16"
60'
15' SIDE YARD (ZONING)
DESIRED NEW SEPTIC AREA
10'
92'
60'
88'
50'
28'
42'
143'-1 3/16"
42° 58'
15' SIDE YARD (ZONING)
r=656'-1 5/16"
55'-11 3/4"
OAK TREE
35' SET BACK (ZONING)
98'-2 7/8"
85'
47'-9 11/16"
46'
EXISTING WELL
r=20'
26'-4 7/16"
56'
132'-10 5/16"
r=237'-6 5/8"
92'-5 13/16"
BUTTERCUP DRIVE
60'
N
107 BUTTERCUP DRIVE
MOORESVILLE, NC 28117
SCALE: 1" = 35'

SQUARE FOOTAGE

Main Floor Heated -	3062 SQ FT
Basement Heated -	2140 SQ FT
Upper Floor Heated -	730 SQ FT
Total Heated -	6132 SQ FT
Front Porch -	193 SQ FT
Side Porch -	38 SQ FT
Balcony -	201 SQ FT
Screened Porch -	251 SQ FT
Grilling Porch -	111 SQ FT
Garage -	969 SQ FT
Lake Storage -	412 SQ FT
Basement Porch -	379 SQ FT
Basement Porch 2 -	188 SQ FT
Mechanical Storage -	138 SQ FT
Total Heated -	2880 SQ FT
Total Under Roof -	9012 SQ FT



Acknowledgement Of Plans Submittal ONLY!

Date 12/16/20

Date

12-16-2020

FLOOR PLAN - UPPER

SCALE: 1" = 12'

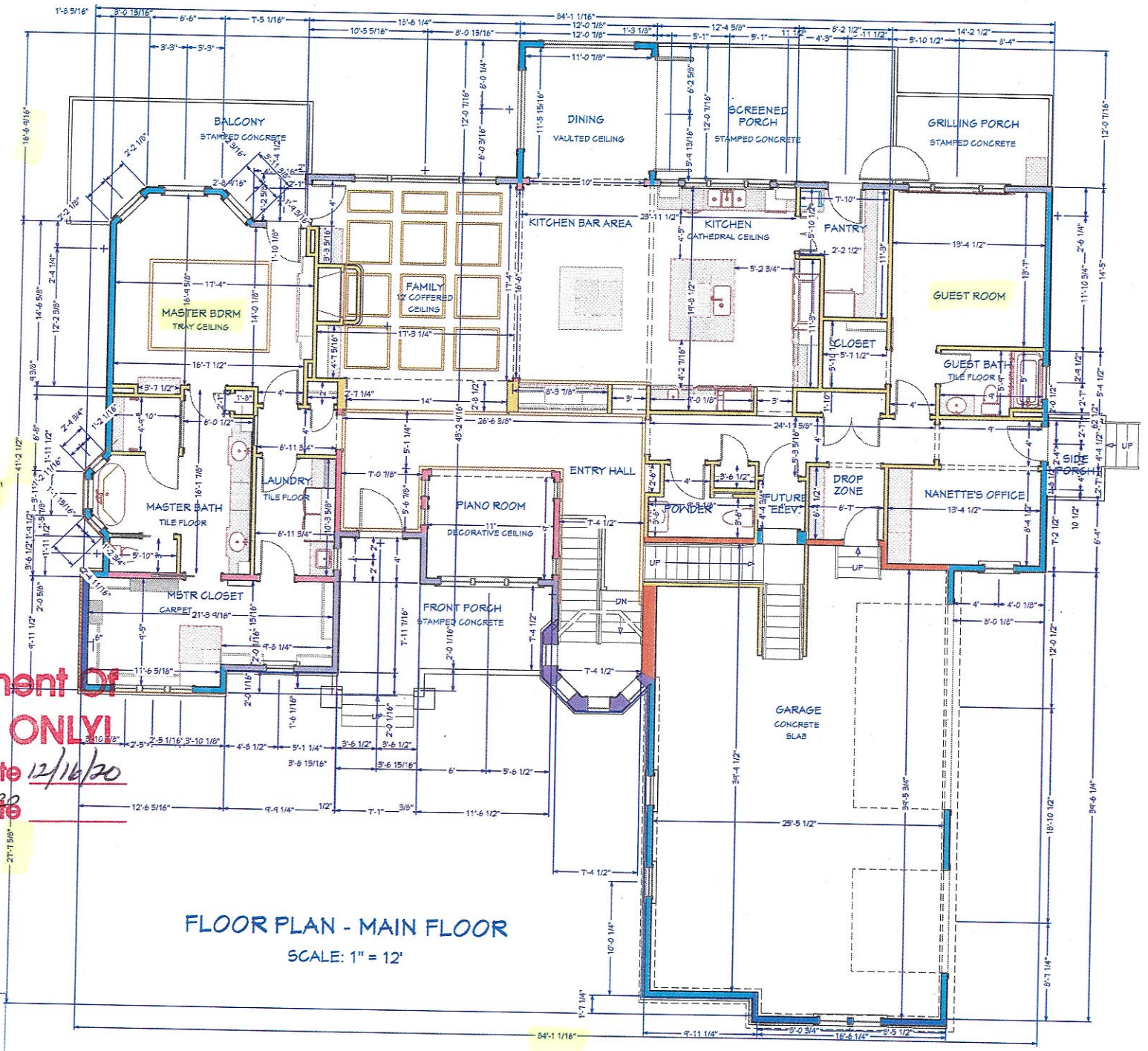
107 BUTTERCUP DRIVE

MOORESVILLE, NC 28117

SCALE: 1" = 12'

SQUARE FOOTAGE

Main Floor Heated -	3062 SQ FT
Basement Heated -	2140 SQ FT
Upper Floor Heated -	730 SQ FT
Total Heated -	**6132 SQ FT**
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Mechanical Storage -	138 SQ FT
Total Heated -	**2880 SQ FT**
Total Under Roof -	**9012 SQ FT**



86'

Acknowledgement Of Plans Submittal ONLY!

Date 12/16/20

Date 12-16-2020

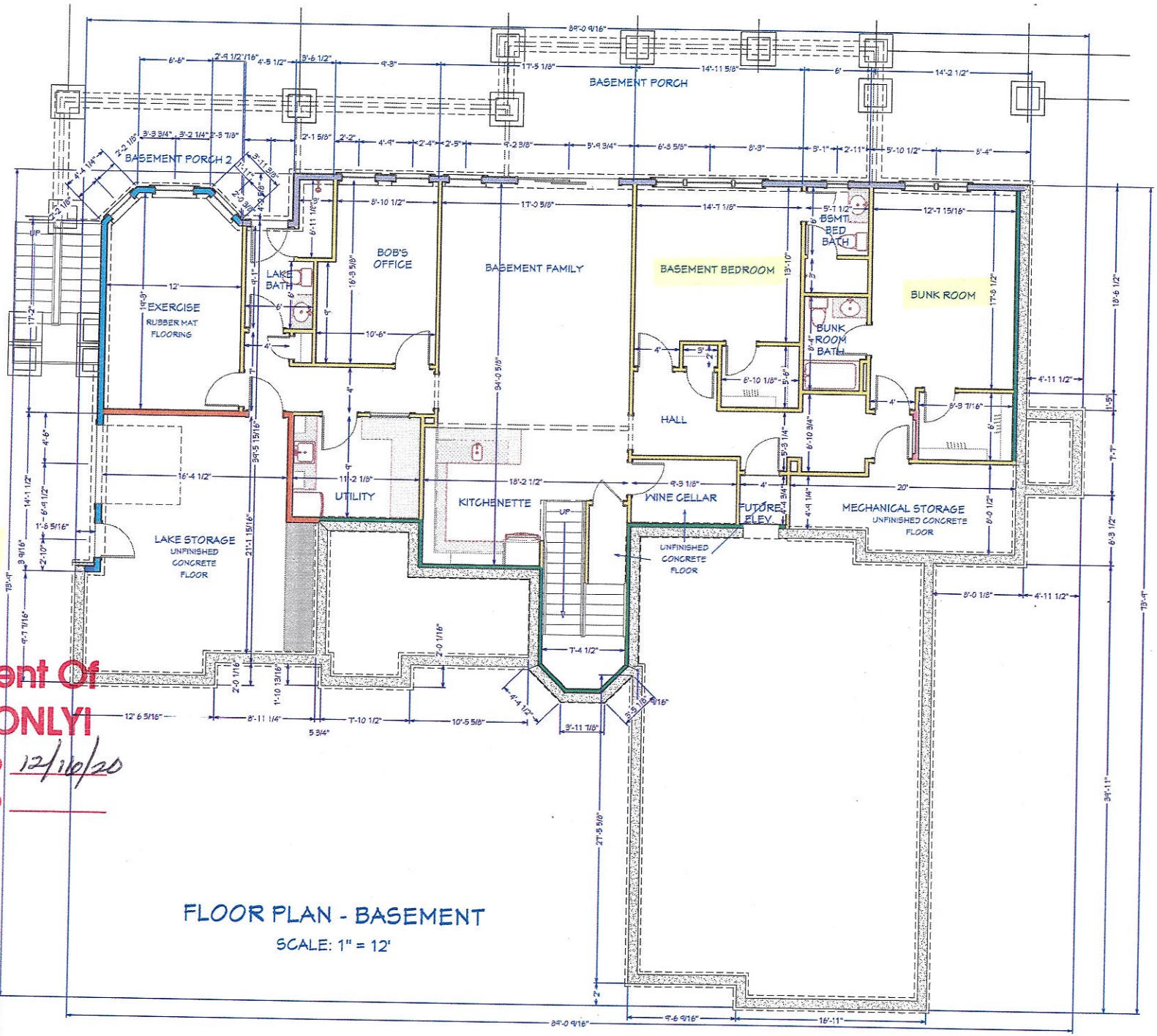
FLOOR PLAN - MAIN FLOOR

SCALE: 1" = 12'

107 BUTTERCUP DRIVE
MOORESVILLE, NC 28117

SQUARE FOOTAGE

Main Floor Heated -	3062 SQ FT
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Mechanical Storage -	138 SQ FT
Total Heated -	2880 SQ FT
Total Under Roof -	9012 SQ FT



93.9

Acknowledgement Of Plans Submittal ONLY!

Date 12/16/20

Date

12-16-2020

FLOOR PLAN - BASEMENT

SCALE: 1" = 12'

89'

107 BUTTERCUP DRIVE

MOORESVILLE, NC 28117

SCALE: 1" = 12'

IREDELL COUNTY

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

APPLICATION NUMBER
221147
Issue Date: 08/18/2016

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4614831996.000	107 BUTTERCUP DRIVE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: CANTOS PELAYO J+LIZABETH L	Applicant: CAROLINA SOIL SEPTIC C
Address: P O BOX 24232 MOORESVILLE, FL 33623	Address: 162 WEST B ST KANNAPOLIS, NC 28081
Phone:	Phone: 704-202-5791

Use Requested	Zone Code
SFD- FAST TRACK	R20

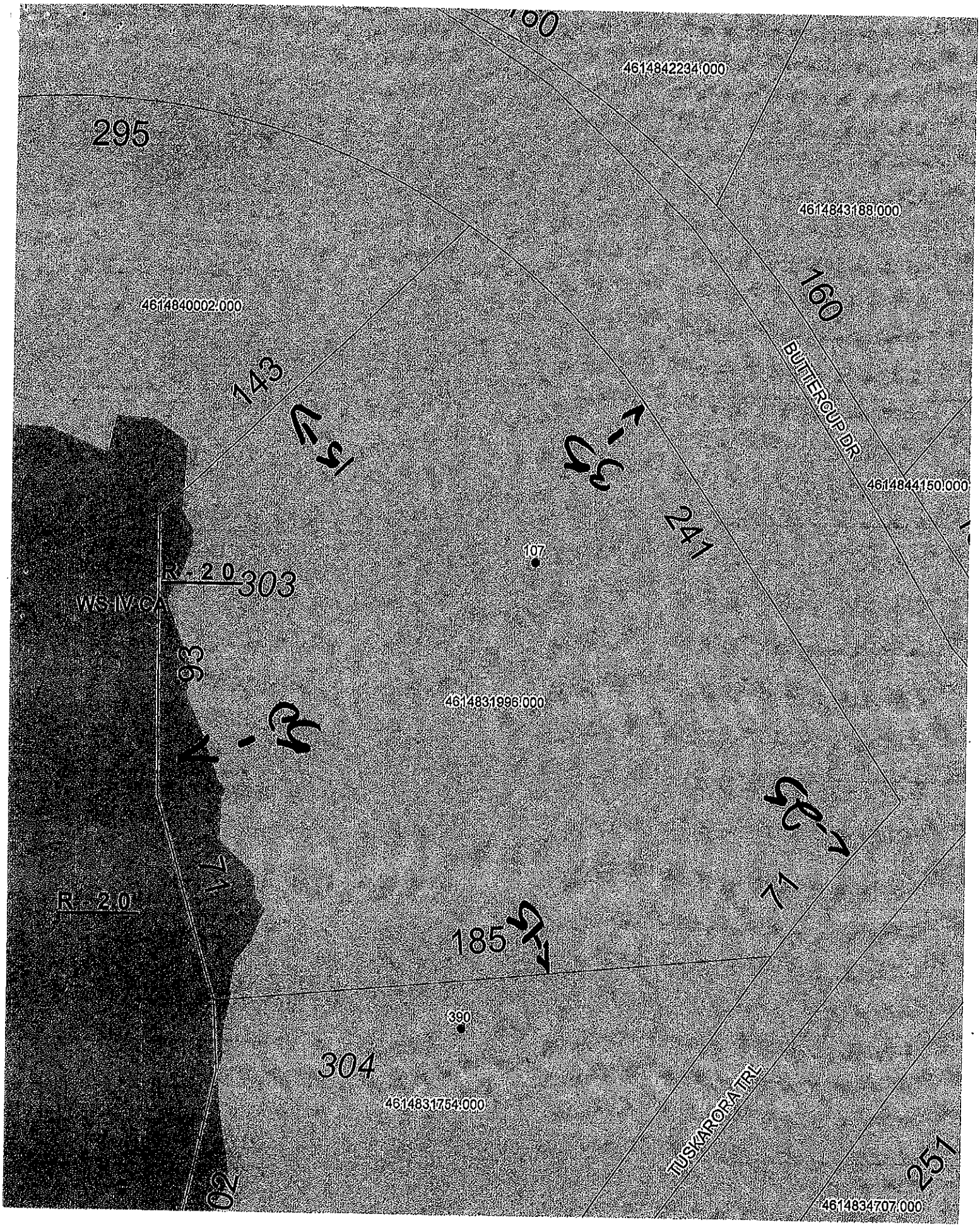
Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.000	35.00	50.00	15.00	15.00	CACL	AE

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: See Attached Date: _____

Permit Number	77944	TOTAL FEES:	$ 77.25


295
4614842234.000
4614843188.000
160
BUTTERCUP DR
4614840002.000
143
4614844150.000
241
107
R - 2.0
303
WS IV CA
93
4614831996.000
R - 2.0
185
71
390
304
4614831754.000
TUSKARORA TRL
251
4614834707.000