ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 (BB) PERMIT # 304773

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

PIN #4710391389

APPLICANT/OWNER: Steve Cannon/Randall Gardner APPLICANT ADDRESS: 5500 Deer Run Ct, Davidson

SITE ADDRESS: 203 High Lake Dr, Statesville 28677 PHONE: 704-706-4645 ALT. PHONE —

SITE DIRECTIONS: Buffalo Shoals → L on Laurel Cove → R on Arbergate → L S. Harbor Watch → L High Lake Dr → @ end on L SAP CONTROLLED: ☐ YES ☒ NO

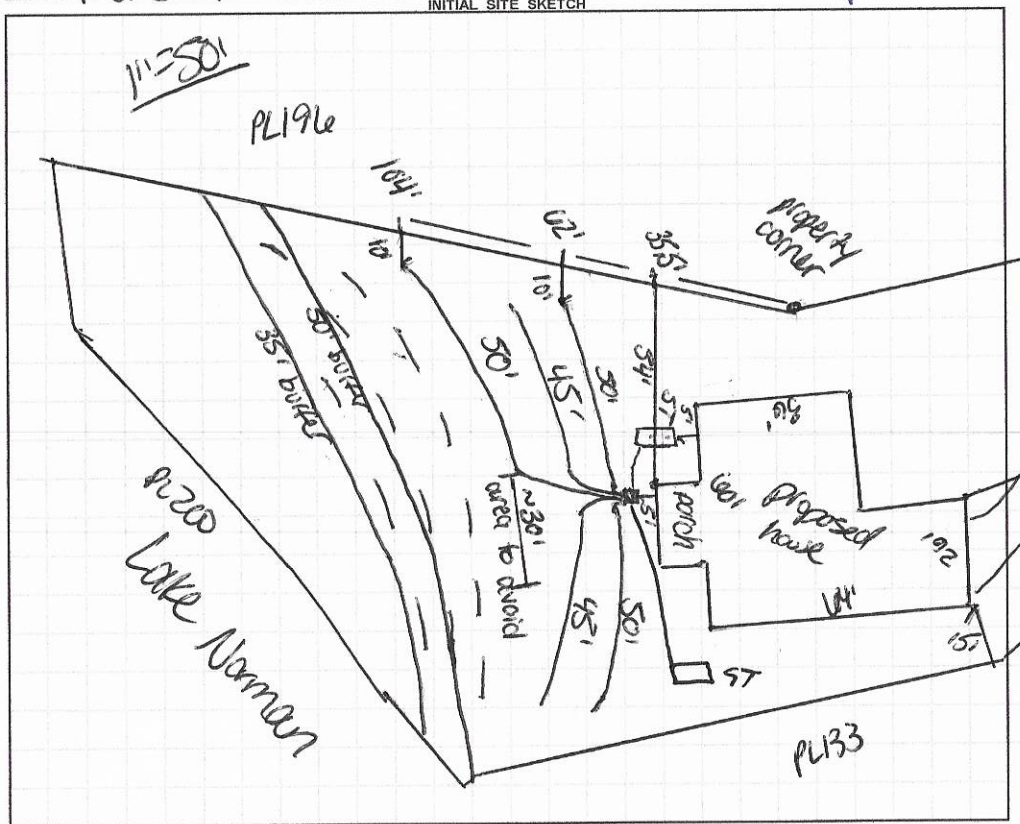
SUBDIVISION: Harbor Watch SECTION: 1 LOT # 13 LOT AREA: .74ac DESIGN FLOW: 360gpd L.T.A.R.: .25

Septic Tank	1000 (gal)	STB	Infiltrator	Date	Plast.	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3	Water Supply
Pump Tank	(gal)	PT		Date		System Description:	PDBPS			☐ Business	No. Persons 6	☒ Private
Pump Make		Model		Serial #		Repair System Description:	TSI - UPPBPS			☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	5	Linear Ft	240	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space	☐ Community
Trench Width	24"	Trench Bottom Depth(Low side)	28"	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		☒ Basement w/plumbing	☐ Basement w/o plumbing	

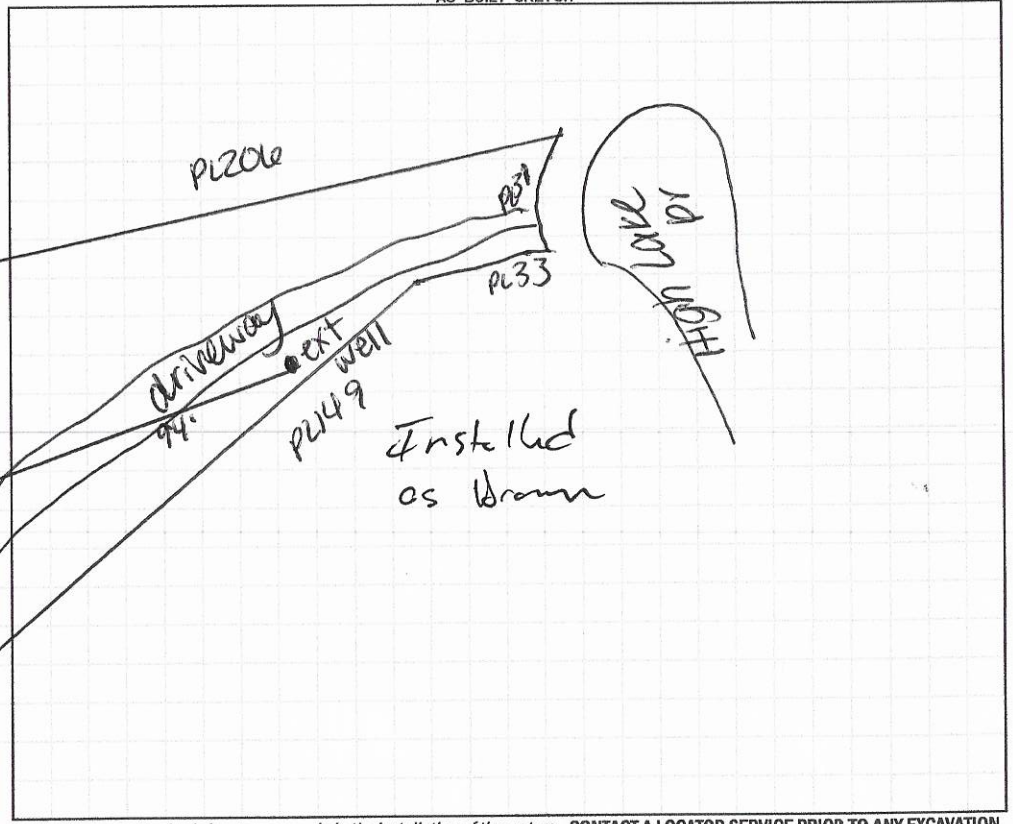
Comments / Conditions: Install on contour. Maintain 5' from any part of septic area with house foundation. 50' buffer must be marked @ inspection

★ Pre-construction meeting required - call 704-883-4144 ★

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

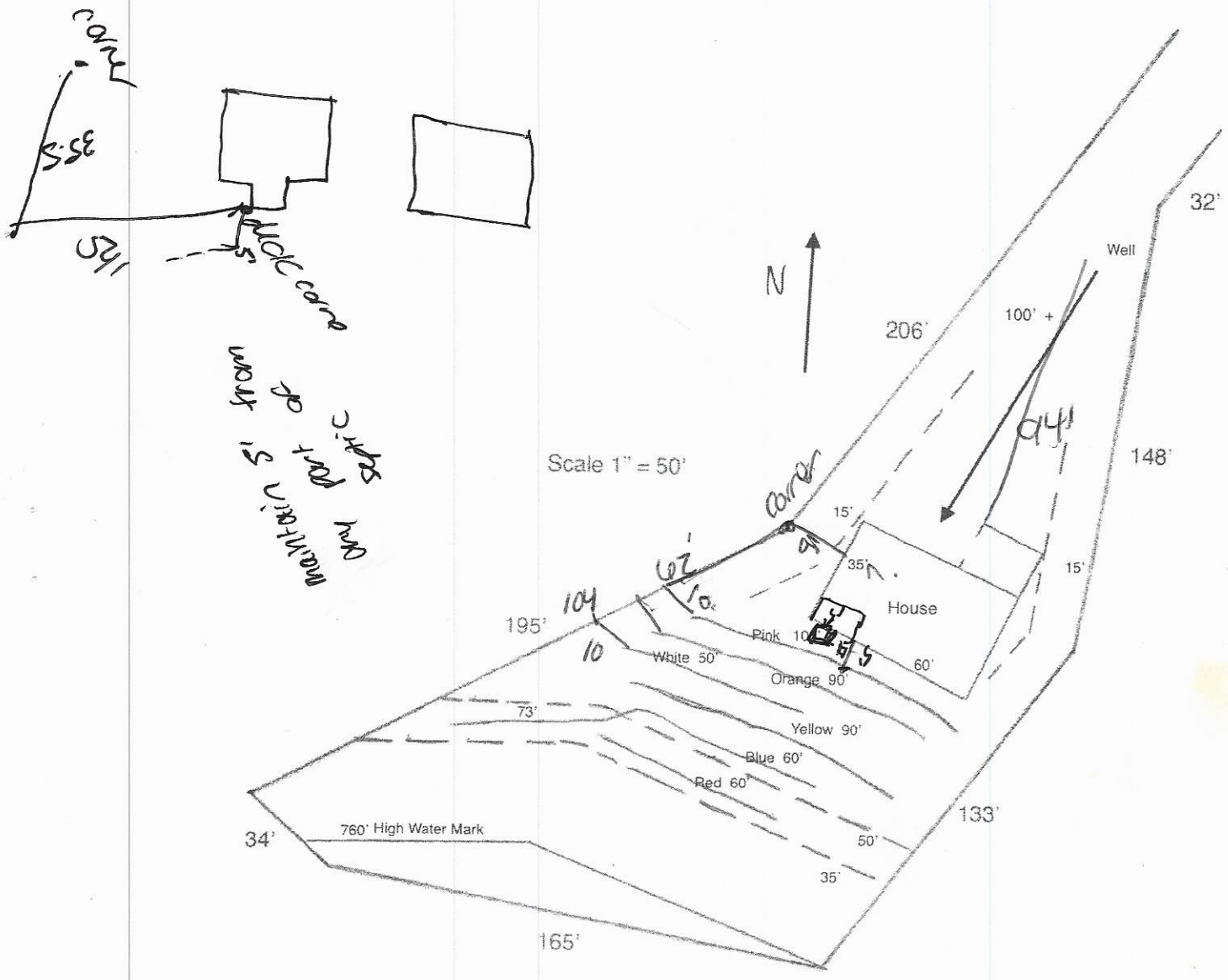
☐ IMPROVEMENT PERMIT *with plat valid without expiration.* ☒ IMPROVEMENT PERMIT *with site plan valid for 60 mos.* ☒ AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 3/20/20 Installed by: Ground Breakers

IMPROVEMENT PERMIT by: Carla C. Nicks Date: 3-20-20 OPERATION PERMIT by: [signature] Date: 2-5-2021

AUTHORIZATION TO CONSTRUCT by: Carla C. Nicks Date: 3-20-20 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.



Recommended Wastewater Disposal System

Initial System: PPBPS

Repair System: PPBPS with TS-1 Pretreatment

Drawn By: Steve Cannon, LSS

Randall Gardner, owner

March 13, 2020

Coddle Creek Soil Consulting
5500 Deer Run Court
Davidson, NC 28036
(704) 706 4645

March 13, 2020

Mrs. Clara Nicks
Environmental Health Division
Iredell County Building Standards Center
349 North Center Street
Statesville, North Carolina 28677

Subject: Recommended Wastewater Disposal System
Pin 4710391389
203 High Lake Drive
Statesville, North Carolina 28677
Randall Gardner, Owner

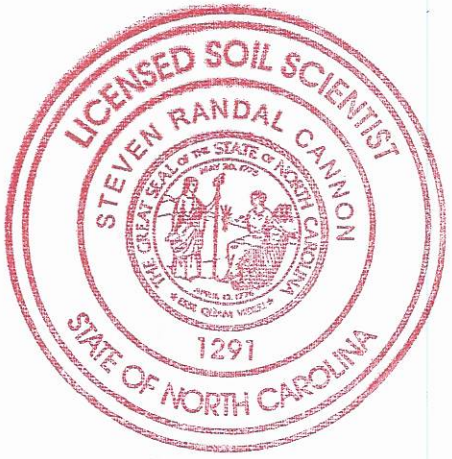
Mrs. Nicks:

Enclosed you will find a copy of the wastewater disposal system proposed for Mr. Randall Gardner, owner. The property is located in Fallstown Township described as Pin 4761888455 located at 203 High Lake Drive in Statesville, North Carolina. Please review the enclosed documents presented to you for Mr. Gardner. Please contact me for concerns regarding the wastewater disposal system design at sc55drc@gmail.com or 704-706-4645. I may also be contacted by texting at the cell phone number.

Sincerely,

Steve Cannon

Steve Cannon, LSS



Proposal to Request Wastewater Design System

Fallstown Township

203 High Lake Drive

Statesville, North Carolina 28677

Iredell County, North Carolina

Coddle Creek Soil Consulting
5500 Deer Run Court
Davidson, North Carolina 28036

March 13, 2020

Information for Installers, Contractors and Other Interested Parties

Follow all rules and regulations as set forth by the state of North Carolina regarding installation of septic systems in Section .1900 Sewage Treatment and Disposal Systems.

Do not grade, cut or bury anything in approved areas designated for initial system or repair system.

If removing trees from property, cut trees at or about knee level, push over portion of tree remaining and pull stump out of ground. Do not dig out stump if at all possible.

May clear areas of sewage disposal systems only by fine grading or skimming ground surface.

Do not compact the soil by vehicular traffic. Stay off the designated areas for sewage disposal systems.

Install sewage disposal systems only during dry conditions to avoid smearing the nitrification trench sidewall.

Do not over excavate nitrification trenches. Remove clods. Leave nitrification trenches clean and level.

Do not leave trash in nitrification trenches like soda bottles, pieces of pvc pipe or anything else that does not belong in the nitrification trenches.

If post installation is required, the designer will need a 5 week day notice from the installer to schedule a final inspection before covering the septic system.

No changes to septic system design without designer or county health department approval is prohibited.

Once location of building corners are established DO NOT move the building without notifying the designer or local health department. Moving the building may void any permit issued to the property owner and may void the designed septic system.

PLAT OF SURVEY FOR:
RANDALL GARDNER

FALLSTOWN TOWNSHIP, IREDELL COUNTY, NC
JUNE 2, 2015 SCALE: 1" = 30'
90 0 30 60 90
GRAPHIC SCALE - FEET

CURRENT SURVEYING & MAPPING, P.A.
1303 BRUSHY MOUNTAIN ROAD
WILKESBORO, N.C. 28697
RICHARD C. CURRENT, REG. NO. L-756

CURRENT TAX RECORDS USED TO IDENTIFY ADJOINING PROPERTY OWNERS. SURVEY PERFORMED WITHOUT A TITLE REPORT, WHICH MAY REVEAL ADDITIONAL CONVEYANCES, RIGHTS-OF-WAY, EASEMENTS, OR OTHER RESTRICTIONS NOT SHOWN.

THIS PROPERTY IS WITHIN THE FLOOD PLAIN
PANEL # 3710471000J DTD 9-18-2008

NOTE: SURVEY IS OVER 2,000LED FROM ANY PUBLISHED NO HORIZONTAL GROUND CONTROL.

NOTE: SEE ALL NOTES ON SUBDIVISION PLAT.

Harbor Watch
Plat Bk. 29, Pg. 43-46
Lot # 13

(Tie Lines)
A S 20°58'37"W 65.33'
B N 49°55'03"W 84.51'

1/4" rebar
3/4" rebar
50' Radius
Chord
S 34°40'28"E
78.32'
Rad. 50.00'
Len. 90.67'
S 27°58'59"W
32.69'
3/4" rebar (base bearing)
1/4" rebar
Hgt Lake Drive
N 57°58'59"E 300.00'
S 09°01'01"E 149.96'
Plat Bk. 29, Pg. 43 dtd 9-29-1992
(14) Robinette C. Tilley, etc.
BK. 2348, Pg. 2668
1/2" rebar (base bearing)
N 85°E
Nail at the base of 5/8" rebar Found (bent)
(13) 0.73 Acre
By Coordinate Computation
Will Bk. 19-E, Pg. 534
(12) Carl F. Driesler & Claude R. Bay
BK. 2383, Pg. 934
N 57°58'59"E 149.96'
5/8" rebar
N 09°01'01"W 34.78'
Edge Lake
N 80°20'00"W
Lake Norman
25' Vegetative Buffer & Building Setback Line

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY RICHARD C. CURRENT, REG. L-756, ON 6-3-15. THIS MEDIUM SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT

VICINITY SKETCH
NOT TO SCALE
SITE
JOB # 1518

LEGEND
- Iron Found
- 5/8" rebar
- Mag nail in pavement
- Calculated point
- Nail set

MSSL Minimum Building Setback Line

COPYRIGHT OF SURVEY AND RELIANCE

Richard C. Current, Professional Land Surveyor No. L-756

Copyright © Current Surveying & Mapping, P.A. June 2, 2015

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: Randall Gardner — APPLICATION DATE ____
ADDRESS: 102 Ashrock Dr Statesville NC — DATE EVALUATED: 3/4/20
PROPOSED FACILITY: Home — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: .74
LOCATION OF SITE: Lot 13 203 High Mtn Dr. Statesville NC — PROPERTY RECORDED: ____

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 4%	0-12"	Fill						PS .25
		12-18"	L sa	NS NP					
		18-26"	SCL wsbk	ss sp fi					
		26-42"	C wsbk	s p fi					
		42"	water	seep		42"			
2	L 4%	0-4"	Fill						PS .25
		4"-8"	L sa	NS NP					
		8"-12"	SCL wsbk	ss sp fi					
		12"-33"	C wsbk	s p fi					
		33"-48"	C sbk	s p fi		48"			
3	L 4%	0-8"	Fill						PS .25
		8"-12"	L sa	NS NP					
		12"-30"	C wsbk	s p fi					
		30-48"	CL wsbk	s p fi		48"			
4	L 4%	0-6"	Fill						PS .25
		6"-12"	L sa	NS NP					
		12"-28"	SC wsbk	s p fi					
		28"-34"	C wsbk	s p fi					
		34"-48"	L m	sp		48"			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes	Yes
System Type(s)	PP BPS	PP BPS/ Pretreatment
Site LTAR	.25	.25

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SC
OTHER(S) PRESENT: Iredell County

COMMENTS: First pit dug filled with debris. Can stay out of filled area with PP BPS
Repair inside of 35' and 50' setback and out of setbacks

Updated February 2014

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
(Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
(Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

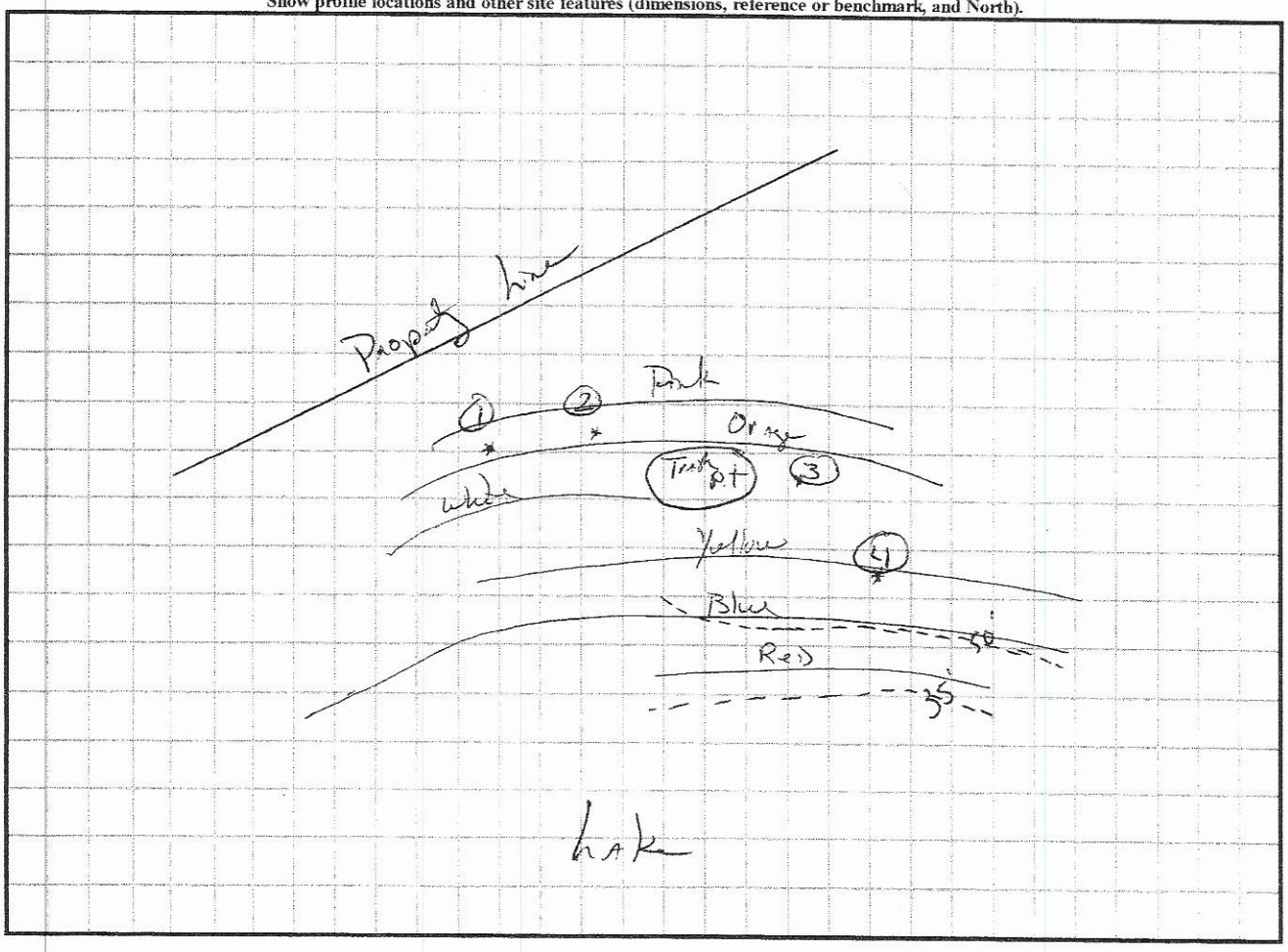
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



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

Sheet 1 of 1
PROPERTY ID #: 4716391384
COUNTY: Polk

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

OWNER: Randall Gardner
ADDRESS: 205 High Lake Dr
APPLICATION DATE: 2-7-20
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360 gpd
DATE EVALUATED: 3-19-20
LOCATION OF SITE: 205 High Lake Dr
PROPERTY SIZE: .74
PROPERTY RECORDED: Y
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	L 5%	0-12	F.11	[illegible]	10YR 7/2 @ 46"	48"	SAP Inc @ 44"	—	PS .25
		12-22	SCL	FRSSSPSXP					
		22-44	C	" "					
		44-48	CL	" "					
2	L 5%	0-3	F.11	—	—	52"	—	—	PS .3
		3-10	SBK SCL	FR SS SP SXP					
		10-40	SBK C	" "					
		40-52	SBK CL	" "					
		52							
3	L 5%	0-12	F.11	—	—	52"	—	—	PS .25
		12-19	SBK SCL	FR SS SP SXP					
		19-43	SBK C	" "					
		43-54	SBK CL	" "					
4	L 5%	0-4	F.11	—	—	39"	PS	—	PS .25
		4-16	SBK - SCL	FR SS SP SXP					
		16-32	SBK - C	" "					
		32-39	SBK CL	" "					
		39-50	SAP	VFI					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240'	240'
System Type(s)	PPBDS	TSI LPPBDS
Site LTAR	.25	.25

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: C. Nicks
OTHER(S) PRESENT: J. Boggs, S. Canna

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
C (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
V (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
(Drainage Way)						CR (Crumb)
S (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
P (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
S (Foot Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		ABK (Angular Blocky)
(Head Slope)		SiCL (Silty Clay Loam)				PL (Platy)
(Linear Slope)		CL (Clay Loam)				PR (Prismatic)
I (Nose Slope)		SCL (Sandy Clay Loam)				
(Ridge)		SiL (Silt Loam)			MOIST	WET
(Shoulder Slope)					VFR (Very Friable)	NS (Non-sticky)
(Terrace)	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
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*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

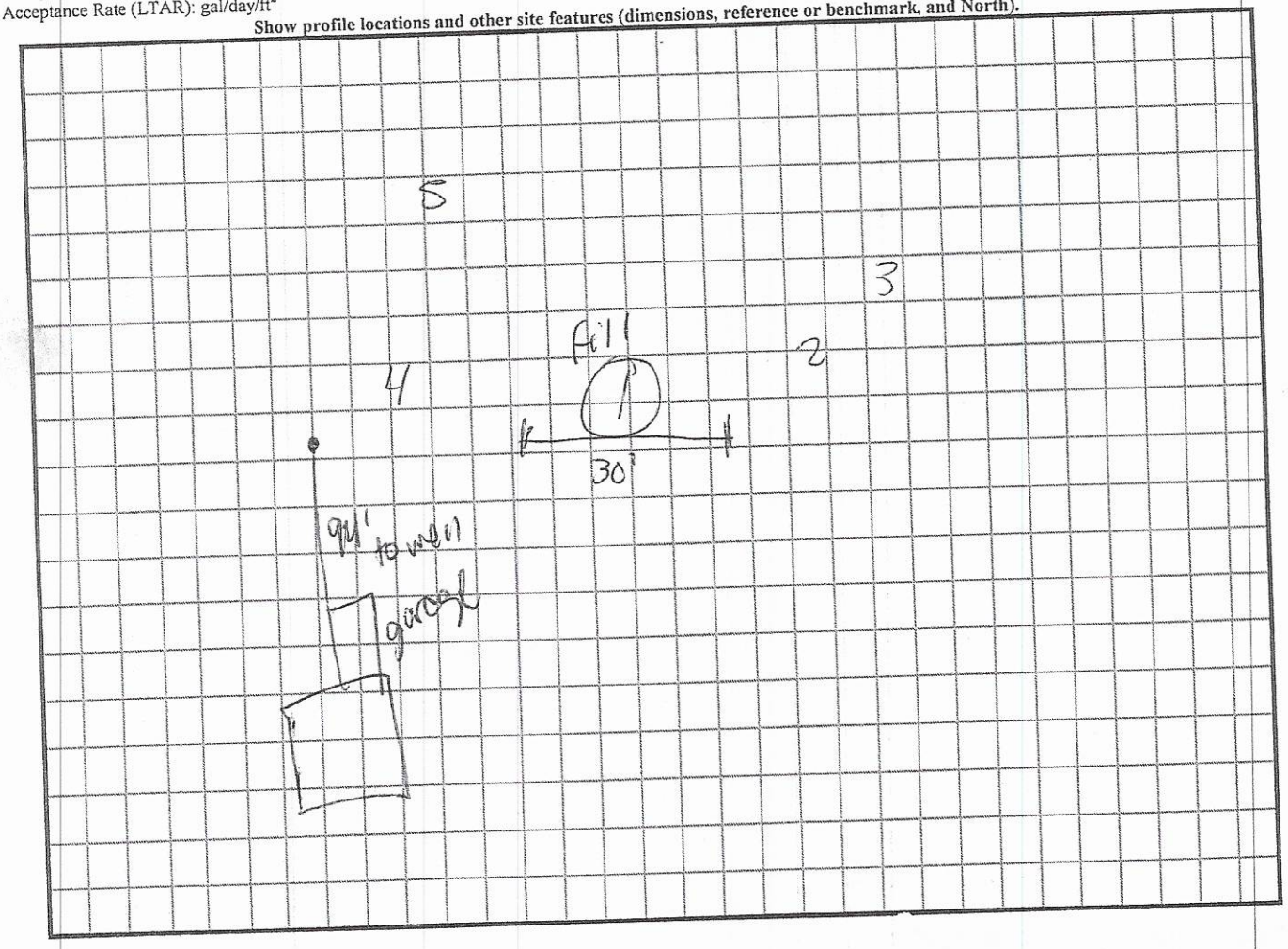
NOTES

HORIZON DEPTH — In inches below natural soil surface
DEPTH OF FILL — In inches from land surface
RESTRICTIVE HORIZON — Thickness and depth from land surface
SAPROLITE — S(suitable) or U(unsuitable)
SOIL WETNESS — Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION — S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



Design Specifications for Proposed Wastewater Systems

Applicant: Randall Gardner
102 Ashbrook Drive
Statesville, North Carolina 28677
Cell # 704-500-6380
Township: 15
203 High Lake Drive
Statesville, North Carolina 28677
Harbor Watch Lot 13
Acres .74
Iredell County, North Carolina

Sourse of Water Flow	3 Bedroom House
Septic Tank	1000 gallons
Pretreatment Repair	TS 1
Estimated Daily Flow	360 gallons/day
Loading Rate : Initial	.25 g/d/sq.ft.
Drainfield Size : Initial	240 feet PPBPS 58 panels
Trench Bottom Depth : Initial	28"
Distribution Device : Initial	Distribution Box
Loading Rate : Repair	.25 g/d/sq.ft
Drainfield Size : Repair	240 feet PPBPS 58 panels
Trench Bottom Depth: Repair	28"
Slope : Initial	4 percent
Slope : Repair	4 percent

Nitrification Lines Elevation and Length

Applicant: Randall Gardner
102 Ashbrook Drive
Statesville, North Carolina 28677
Cell # 704-500-6380
Township: 15
203 High Lake Drive
Statesville, North Carolina 28677
Harbor Watch Lot 13
Acres .74
Iredell County, North Carolina

Initial

Line	Flag Color	Line Elevation	Flagged Length	Design Length
Line 1	Pink	1.83'	100'	50' / 50'
Line 2	Orange	3.50'	90'	45' / 45'
Line 3	White	5.79'	61'	50'
			Total 251'	Total 240'

Repair

Line	Flag Color	Line Elevation	Flagged Length	Design Length
Line 4	Yellow	7.66'	90'	81'
Line 5	Blue	10.0'	60' / 73'	60' / 54'
Line 6	Red	11.66'	60'	45'
			Total 283'	Total 240'

X

10am 2/20

RECEIVED FEB 07 2020

AP-304773
$500.00

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)

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

2. 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 check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Steve Cannon	5500 Deer Run Court Davidson, NC 28036	704 706 4645	
Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
William R. Gardner, Jr	108 Ashbrook Rd Statesville, NC		704-500-6380
Owner Name	Mailing Address	Home Phone #	Alternate Phone #

4. Property Information:

203 High Lake Dr	Harbor Watch	SIPB29-43-4C #13
Street Address	Subdivision Name	Section/Phase and Lot Number

Driving Directions: Buffalo Shoals LT/on Laurel Cove Rd RT/on Harborgate Dr LT/on S. Harbor Watch Dr LT/on High Lake Dr to END Lot # on LT

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 3
Maximum Number of Occupants 2
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 ___
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 ___ *Year*

(✓) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other PPBPS

8. Please Answer The Following ( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
To The Best of Your Ability: ( ) 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 Cannon
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

2/5/2020
DATE

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:

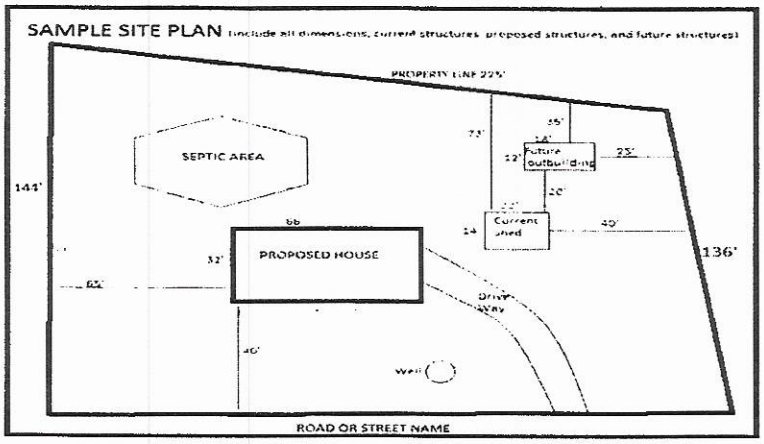
- ✓ **Property Line measurements are clearly identified...**
- ✓ **All proposed structures are indicated...**

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

- **Front and side setbacks from property line...**
- ✓ **Preferred driveway location and configuration, preferred well location...**
- ✓ **Area you prefer your septic system to be placed...**
- ✓ **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

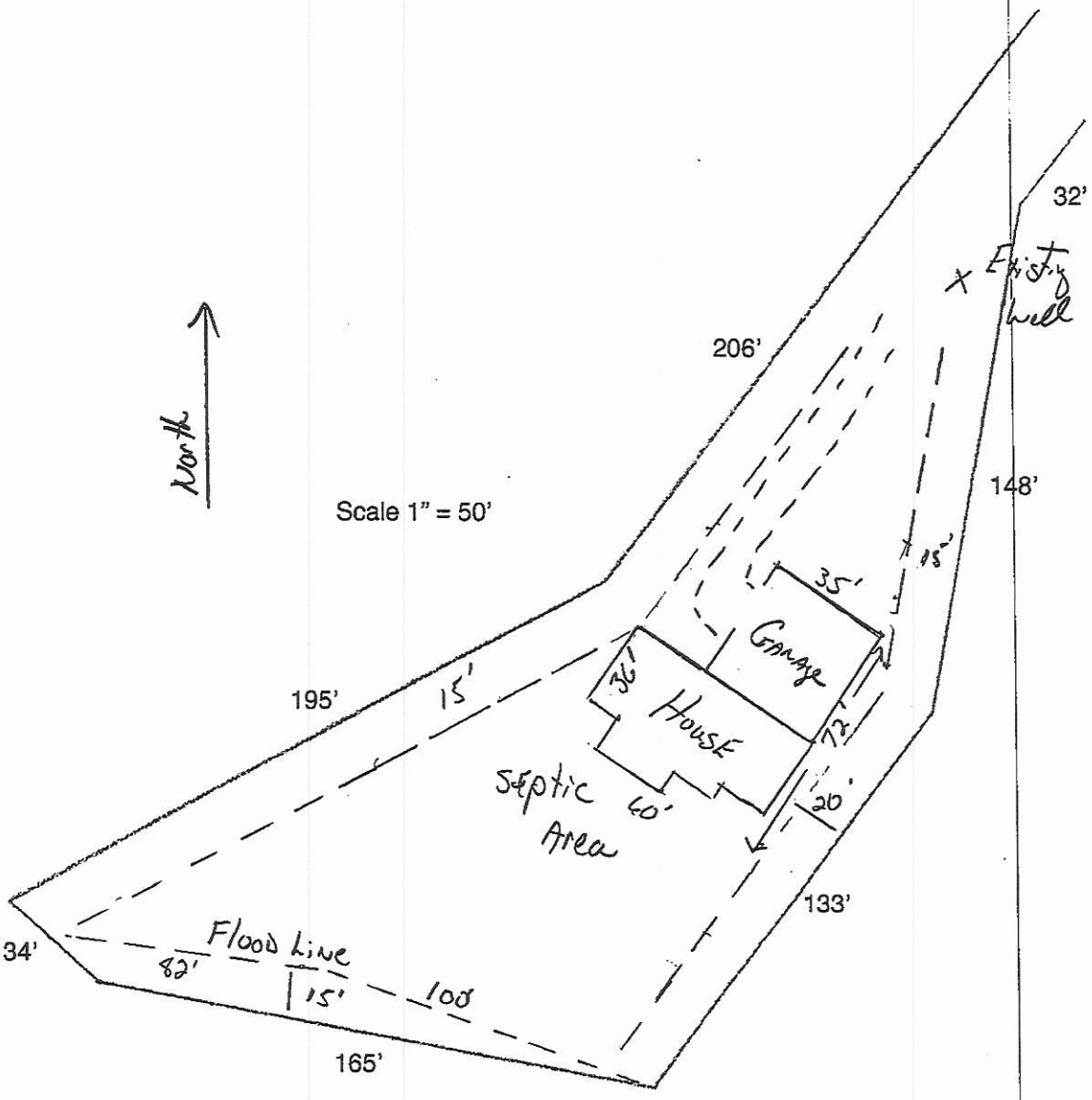
See attached drawing

Signature: Steve Canna

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

2/5/2020

DATE


North
Scale 1" = 50'
206'
32'
Existing well
148'
35'
Garage
36'
House
72'
20'
15'
195'
15'
Septic Area
40'
133'
34'
Flood Line
82'
15'
100
165'

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, William Randall Connor, am the legal owner(s) of the property located at 203 Hugh Knox Drive, identified as PIN (Parcel Identification Number) 4710391389, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**)

John, Bowers, 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.

_____ 3/20/2020

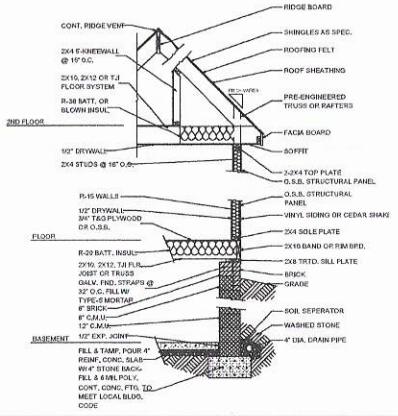
Signature of Owner(s) Date

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

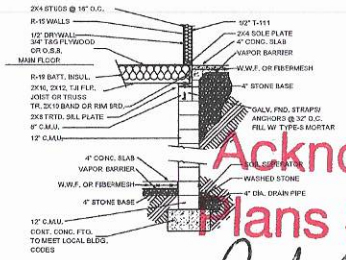
Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

FOUNDATION NOTES:

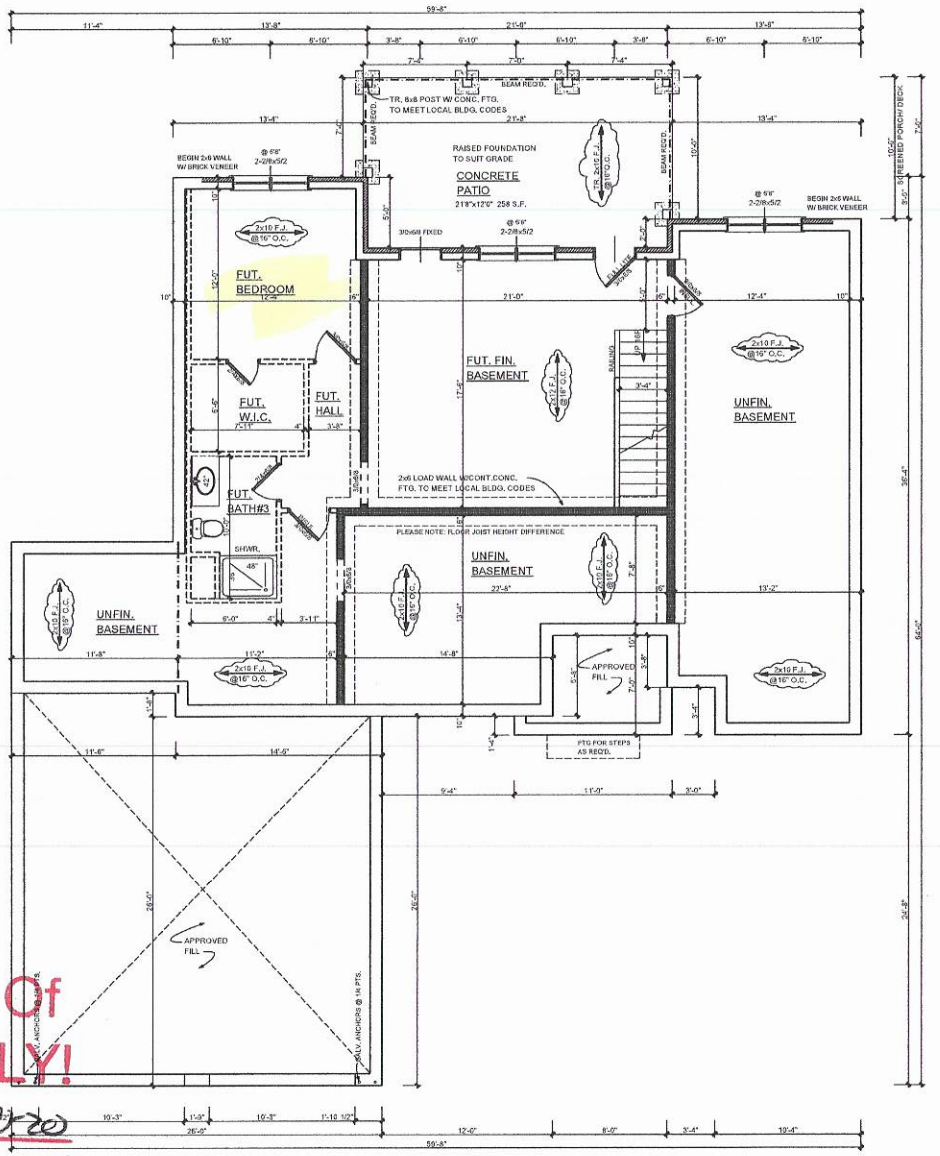
1. ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL. CONTRACTOR TO VERIFY 2,000 PSI MINIMUM ALLOWABLE SOIL PRESSURE.
2. THE 28-DAY COMPRESSIVE STRENGTH OF ALL FOOTINGS IS 3,000 PSI.
3. PROVIDE WATER PROOFING AND PERIMETER DRAINS AS REQUIRED.
4. FOUNDATION CONCRETE MIX TO HAVE 1 1/2" MAXIMUM AGGREGATE SIZE, CONCRETE FILL MIX TO HAVE 1/2" MAX. AGGREGATE SIZE.
5. ALL ANCHOR BOLTS TO BE 12" LONG, 1/2" DIA. A36 U.N.O. ANCHOR BOLTS SHALL BE SPACED AT A MAX. OF 6'-0" O.C. AND NO MORE THAN 10" FROM CORNERS.
6. FOOTING WIDTHS ARE BASED ON A LOAD-BEARING SOIL CAPACITY OF 2,000 PSI.
7. PROVIDE EXPANSION JOINT AROUND PERIMETER OF GARAGE SLAB AT BLOCK.
8. EXTERIOR WALLS ON FOUNDATION SYSTEMS W/ NO MORE THAN 30" OF UNBALANCED FILL, AND SLAB ON GRADE SYSTEMS SHALL BE ANCHORED TO THE FOUNDATION SYSTEM OR SLAB W/ AT LEAST 1/2" DIA. BOLTS OR APPROVED METAL STRAPS, PLACED 6'0" O.C. AND NO MORE THAN 12" FROM CORNERS. BOLTS SHALL EXTEND A MIN. OF 15" INTO THE MASONRY OR 7" INTO CONCRETE. STRAPS SHALL BE EMBEDDED PER MANUFACTURER'S SPECIFICATIONS..
9. PROVIDE 6 MIL POLY VAPOR BARRIER TO COVER GROUND SURFACE IN CRAWL SPACE.
10. CRAWL SPACE VENTILATING OPENINGS SHALL BE PROVIDED WITH CORROSION RESISTANT WIRE MESH, NOT LESS THAN 1/8" IN ANY DIMENSION, OR ANY MATERIAL APPROVED BY THE N.C., CODE. THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL BE NOT LESS THAN 1 SQ. FOOT FOR EACH 150 SQ. FOOT OF CRAWL SPACE AREA. VENTS SHALL BE SO SPACED AS TP PROVIDE VENTILATION TO ALL POINTS AND PREVENT DEAD AIR POCKETS. PROVIDE AN ACCESS CRAWL HOLE 22" HIGH x 36" WIDE MIN. TO THE UNDER THE FLOOR SPACE.
11. INSTALL FOUNDATION VENT WITHIN 3'-0" OF EA. CORNER
13. JOISTS UNDER PARALLEL PARTITIONS SHALL BE DOUBLED DJ = DBL. JOISTS
14. IF PIER HEIGHT IS GREATER THAN (4) TIMES THE LEAST FACE DIM., PIER MUST BE GROUTED SOLID.



TYPICAL 1-1/2 STORY BASEMENT W/ SIDING
SCALE: N.T.S.



GARAGE-BASEMENT SECTION
N.T.S.



FOUNDATION PLAN

GENERAL NOTES:

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 NORTH CAROLINA RESIDENTIAL CODE.

STAMP MUST APPEAR IN RED. IF STAMPED NOT RED, THIS PRINT IS AN ILLEGAL COPY. PLEASE CONTACT:

RESIDENTIAL CAD DESIGN & DRAFTING

BEN HIATT

OVER 30 YEARS EXPERIENCE

HOME: (336) 998-6089
MOBILE: (336) 655-0288
P.O. BOX 785 MOCKSVILLE, NC 27028

REVISIONS/SKETCHES	
1	8-17-18
2	
3	3-16-20-FINAL
4	

RANDALL GARDNER

JOB NO. 2-16-18
SCALE 1/4" = 1'-0"
DRAWN BY HIATT
DATE 8-17-18

AS SHOWN

DRAWING NO. 3 OF 5

PLAN # GARDNER-2135FLS

Acknowledgement Of Plans Submittal ONLY!

Date 3-20-20

Date 3/20/20

GENERAL FRAMING NOTES:

1. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
2. FRAMING LUMBER SHALL BE SOUTHERN YELLOW PINE #2 GRADE AND/OR SPRUCE PINE FIR #1 AND/OR #2, AS NOTED, KILN DRIED (MC=15% OR EQUIVALENT
3. WHERE PRE-ENGINEERED JOISTS ARE USED, JOIST MANUFACTURER SHALL PROVIDE SHOP DRAWINGS, WHICH BEAR SEAL OF A NORTH CAROLINA ENGINEER.
4. ROOF SHEATHING SHALL BE 7/16" OSB WITH 15# FELT U.N.O.
5. FLOOR SHEATHING SHALL BE 3/4" OSB U.N.O.
6. USE 7/16" OSB SHEATHING U.N.O.
7. STUDS AND JOISTS SHALL NOT BE CUT TO INSTALL PLUMBING OR WIRING WITHOUT ADDING METAL OR WOOD SIDE PANELS TO STRENGTHEN THE MEMBER TO ITS ORIGINAL CAPACITY.
8. NAIL MULTIPLE MEMBERS WITH 2 ROWS OF 16d NAILS STAGGERED 32" O.C. AN USE 3-16d NAILS 2" IN AT EACH END. DOUBLE ALL STUDS UNDER ROOF POST DOWNS U.N.O.
9. NAIL FLOOR JOISTS TO SILL PLATE WITH 8d TOE-NAILS
10. ALL EXPOSED FRAMING ON PORCHES AND DECKS SHALL BE PRESSURE TREATED.
11. PROVIDE WATERPROOFING AND DRAINS AS REQUIRED.
12. HEADERS SHALL BE SYP #2 GRADE OR EQUIVALENT U.N.O.
    A. INTERIOR
    1.SPANS UP TO 2'-6"..... 2-2x6S
    2.SPANS 2'-6" TO 3'-6"..... 2-2x8S
    3.SPANS 3'-6" TO 6'-0"..... 2-2x10S
    B. EXTERIOR
    1.SPANS UP TO 2'-0"..... 2-2x6S
    2.SPANS 2'-0" TO 3'-0"..... 2-2x8S
    3.SPANS 3'-0" TO 5'-0"..... 2-2x10S
13. MASONRY LINTELS
    A. FOR SPANS UP TO 4'-0" USE 3 1/2"x3 1/2"x1/4" STEEL ANGLE
    B. FOR SPANS 4'-0" TO 6'-0" USE 5"x3 1/2"x5/16" STEEL ANGLE
    C. PROVIDE 8" BEARING EACH END FOR SPANS OP TO 6'-0"
14. USE ASTM C216 FACE BRICK F'M=3000 PSI, ATTACH TO WOOD FRAME WITH MINIMUM 22 GA. GALVANIZED CORROSION RESISTIVE CORRUGATED METAL TIES 7/8" WIDE AT VERTICAL INTERVALS MAX. 16" O.C. AND HORIZONTAL INTERVALS MAX. 24" O.C. PROVIDE WEEP HOLES AT 32" O.C. MAXIMUM AT FIRST COURSE ABOVE GRADE.
15. ALL FRAMING TO BE 16" O.C. U.N.O., WALL FRAMING DIMENSIONS ARE BASED ON 2x4 STUDS U.N.O.
16. ALL WALLS 9 FT. IN HEIGHT AND OVER USE (1) COURSE BLOCKING.
17. VENT EXHAUST FANS TO OUTSIDE.
18. LVLS AND TJIS TO BE SIZED BY OTHERS.

ROOF NOTES:

1. Trusses, bracings, bridging and connectors are to be designed by the Truss Manufacturer to safely carry the Design Loads as specified.

2. Identify Lumber by official grade marks.

3. Hoist all necessary temporary bracing required to hold trusses plumb until permanent bracing is installed. Install permanent bracing and related components prior to application of loads to trusses.

4. Do not cut or remove chords or other truss members. Do not notch or drill truss members.

5. Remove and replace trusses damaged during shipping or erection. Do not repair trusses without the approval of the truss design Engineer.

6. Where pre-engineered roof trusses are used, truss manufacturer shall provide shop drawings, which bear seal of a North Carolina registered Engineer.

7. All roof trusses must be built in accordance with truss manufacturer's requirements.

8. Use (2) 2x members for all roof openings at dormers, chimney framing, etc.

9. All beams to have 5 1/2" min. bearing and be supported by 2 jack studs (U.O.N.) carry all loads to the foundation.

10. Roof sheathing shall be '/," plywood or equivalent with 15 # felt U.N.O.

11. Opposing members at the ridge must align within the thickness of the ridge member. Regularly spaced and valley rafters need not align.

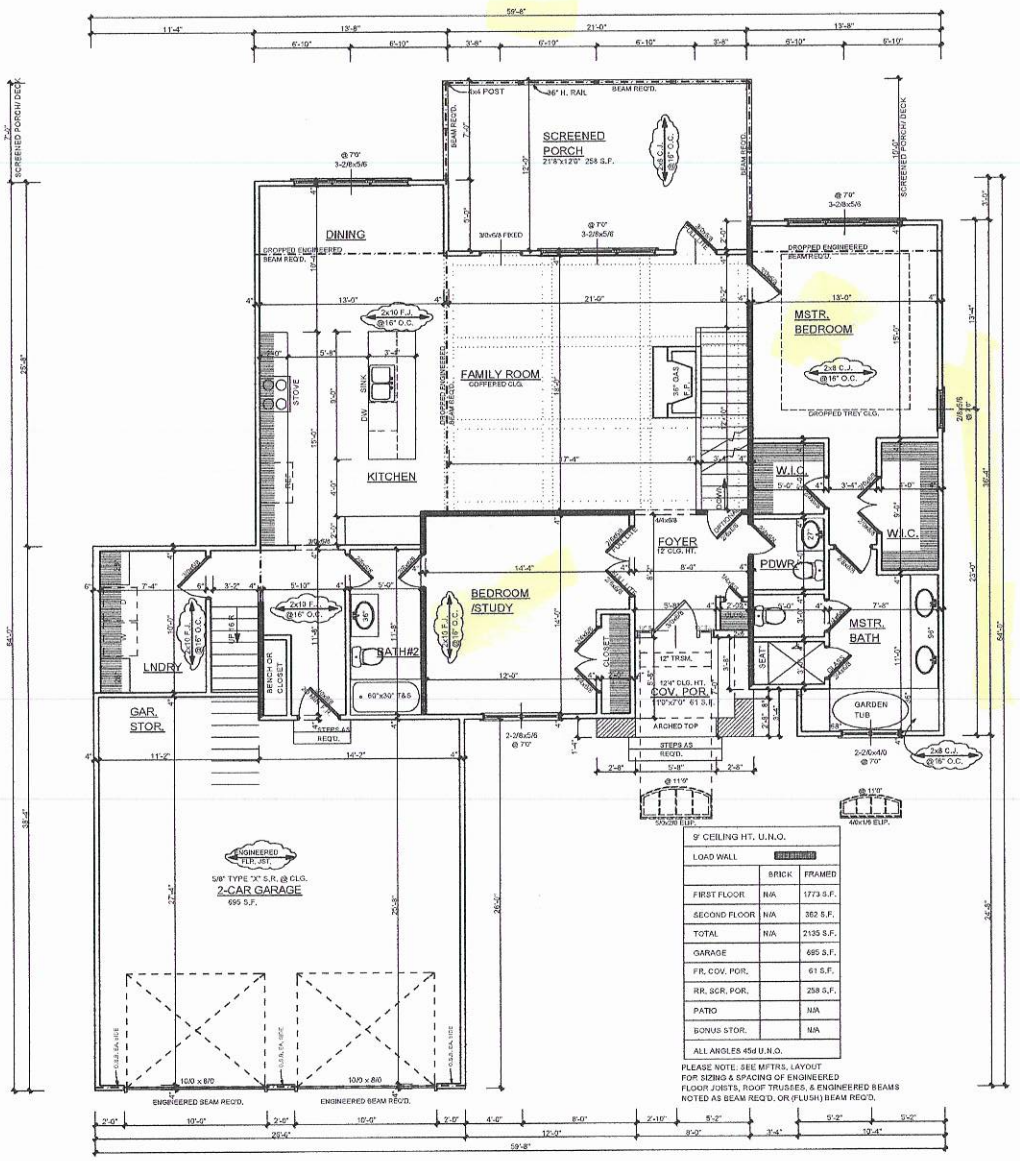
12. A 1x6 or 2x6 collar beam shall be placed in the upper third of the roof to every third pair of rafters not to exceed 4 feet on centers.

13. Use 2x8 SPF #2 roof joists spaced @ 16" o.c. Use 2x10 SYP#2 minimum for all hip/valley/hip-jack beams.

14. All joists and rafters shall be aligned over studs below.

15. All beams to have 3 1/2" min. bearing and be supported by 2 jack studs (U.O.N.) carry all loads to the foundation.

Acknowledgement Of
Plans Submittal ONLY!
Date 3-20-20
Date 3/20/20



9' CEILING HT. U.N.O.		
LOAD WALL	BEARING	
	BRICK	FRAMED
FIRST FLOOR	N/A	1773 S.F.
SECOND FLOOR	N/A	362 S.F.
TOTAL	N/A	2135 S.F.
GARAGE		685 S.F.
FR. COV. POR.		61 S.F.
RR. SCR. POR.		258 S.F.
PATIO		N/A
BONUS STOR.		N/A
ALL ANGLES 45d U.N.O.		

PLEASE NOTE, SEE MFTRS. LAYOUT FOR SIZING & SPACING OF ENGINEERED FLOOR JOISTS, ROOF TRUSSES, & ENGINEERED BEAMS NOTED AS BEAM REQ'D. OR (FLUSH) BEAM REQ'D.

GENERAL NOTES:

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BEN HIATT
OVER 30 YEARS EXPERIENCE
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P.O. BOX 785 MOCKSVILLE, NC 27028

REVISIONS/SKETCHES
1 8-17-18
2
3 3-16-20-FINAL
4

RANDALL GARDNER

JOB NO. 3-16-18 | DRAWN BY: HBH | SCALE 1/4" = 1'-0" | DATE 8-17-18

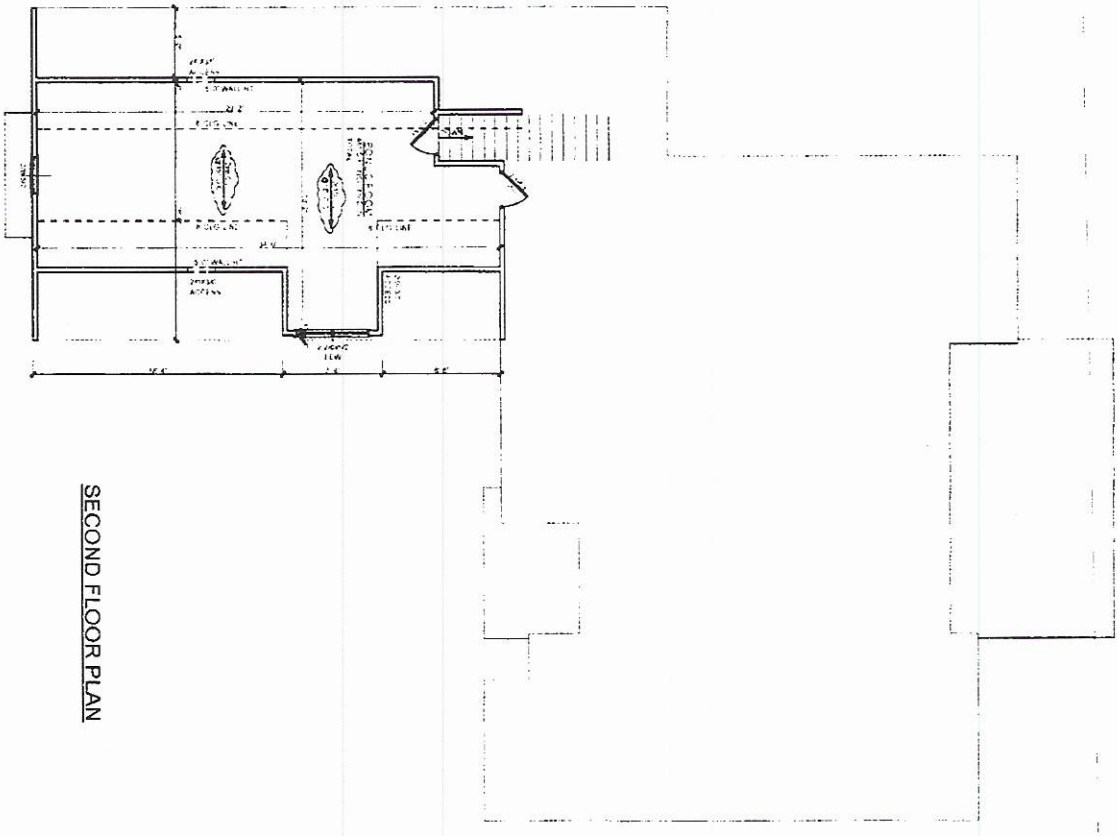
FIRST FLOOR PLAN

DRAWING NO. 4 OF 5

PLAN # GARDNER-2135FLS

FOR REVIEW ONLY

8-29-18



SECOND FLOOR PLAN

RANDALL GARDNER					RESIDENTIAL CAD DESIGN & DRAFTING	GENERAL NOTES:
					BEN HIATT	
AS SHOWN					OVER 30 YEARS EXPERIENCE	HOME: (336) 998-6089 MOBILE: (336) 655-0268
PLAN # NEW	5 OF 6	4	3	2	1 8-17-18	P.O. BOX 785 MOCKSVILLE, NC 27028

IREDELL COUNTY · NC

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

APPLICATION NUMBER
304773 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4710391389.000	203 HIGH LAKE DR	Iredell County

Owner Information	Applicant Information
Name: GARDNER WILLIAM R JR	Name: STEVE CANNON
Address:	Address: 5500 DEER RUN COURT
	DAVIDSON, NC 28036
Phone:	Phone: (704)706-4645

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.74	35	50	15	15	WSIV-CA Catawba/Lake Norman	YES

Remarks
SFD

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.

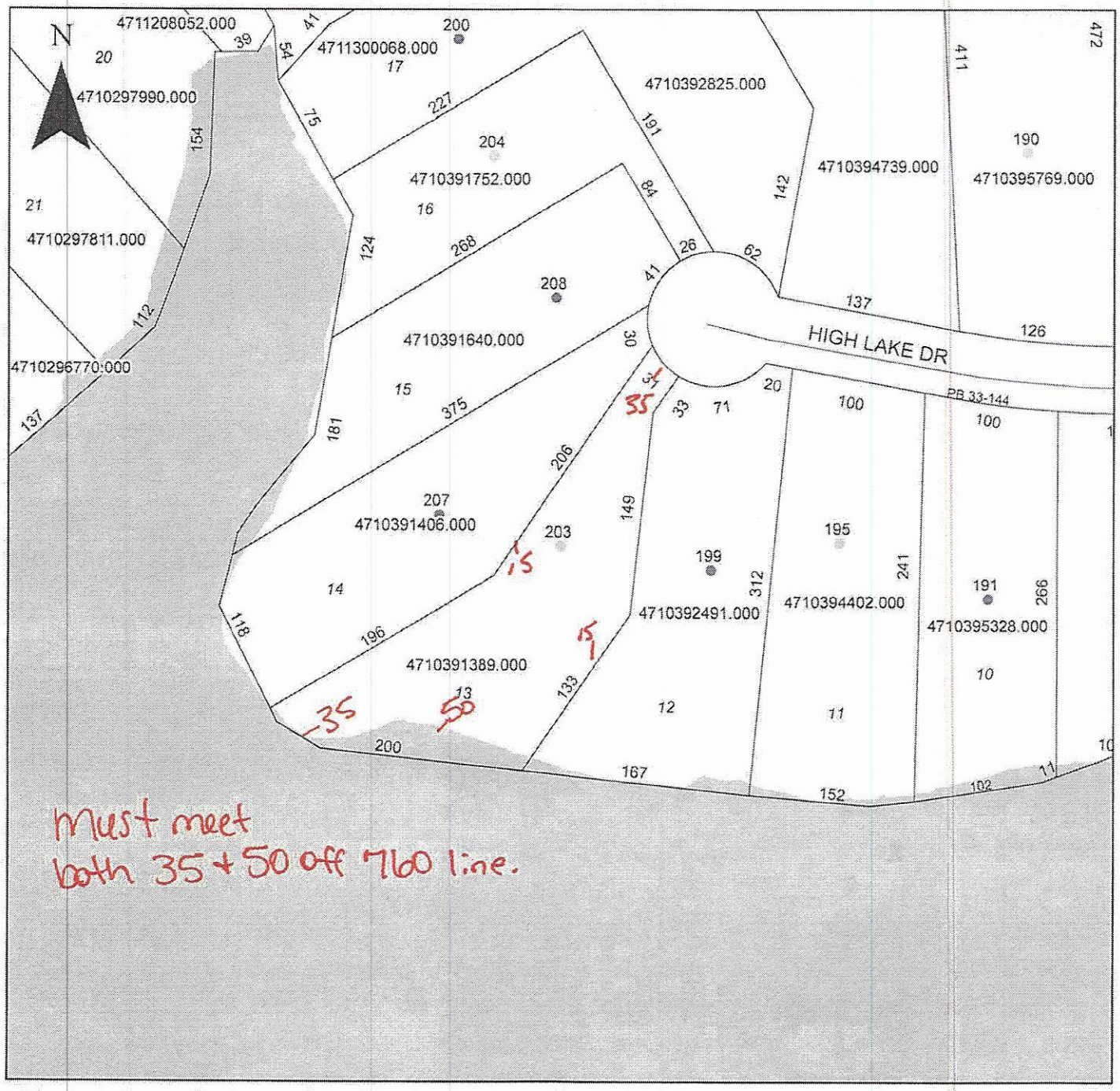
Signature of Owner/Contractor

Date: 02/06/2020

Permit Number	304773

TOTAL FEES:	$77.25

ZONING DISCLAIMER



Property Address 203 Highlake Dr.

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. Applicant further acknowledges that the 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.

Steve Cannon

Applicant

2/6/2020

Date