ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 324778

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

PIN # 4637 -- 44 -- 5318

APPLICANT/OWNER: Toney Jacobs | APPLICANT ADDRESS: 1168 Broadbill Dr. Mooresville NC 28117

SITE ADDRESS: 195 Whippoorwill Rd, Mooresville NC 28117 | PHONE: 704-582-9219 | ALT. PHONE

SITE DIRECTIONS: (W) NC 150 → (L) Doolie → (R) Whippoorwill → lot on (R)

SAP CONTROLLED: ☐ YES ☒ NO

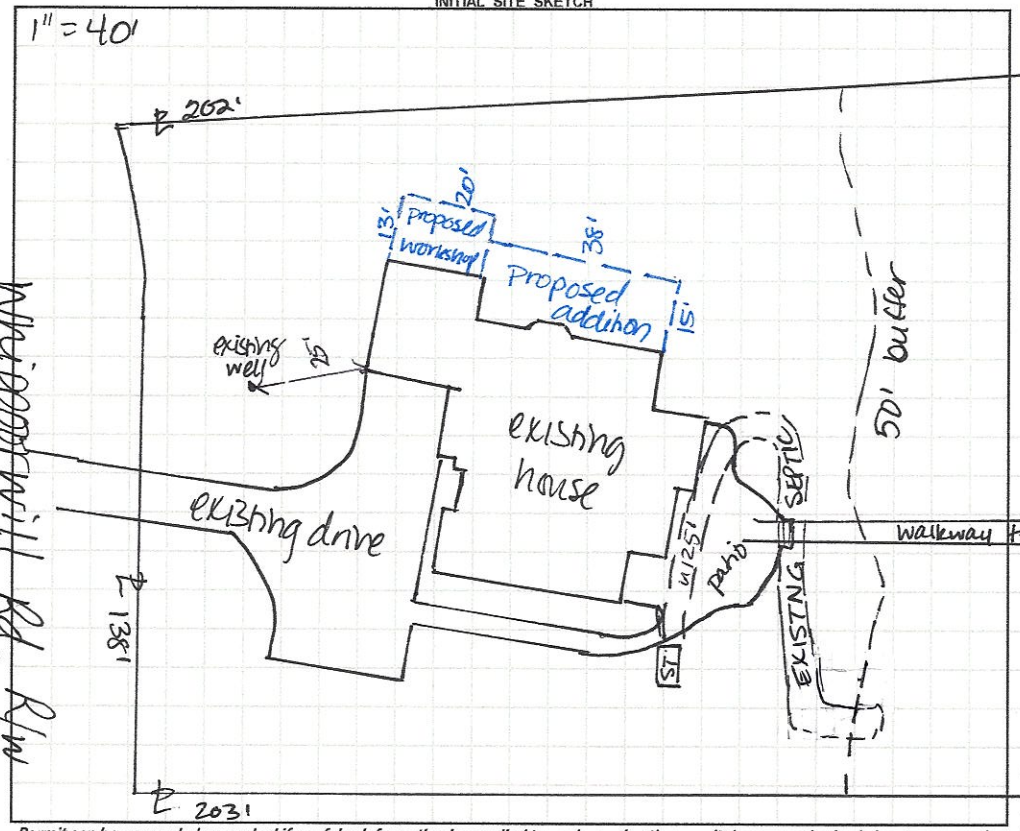
SUBDIVISION: CL&T | SECTION: 10 | LOT # 18 | LOT AREA: 0.672 ac | DESIGN FLOW: 360 gpd | L.T.A.R.: EXISTING

Septic Tank	EXISTING (gal)	STB	Date	☐ 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:	EXISTING	☐ Business	No. Persons	6	☒ Private
Pump Make	Model		Serial #	Repair System Description:		☐ Other	No. Employees		☐ Public
# Nitrification Fields	# Lines		Linear Ft	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☐ Crawl Space		☐ Community
Trench Width	Trench Bottom Depth(Low Side) EXISTING		Gravel Depth		☒ GRAVITY ☐ PRESSURE	☒ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: Much of system was under the patio/deck/sunroom. A small portion of the existing system is also in the 50' buffer.

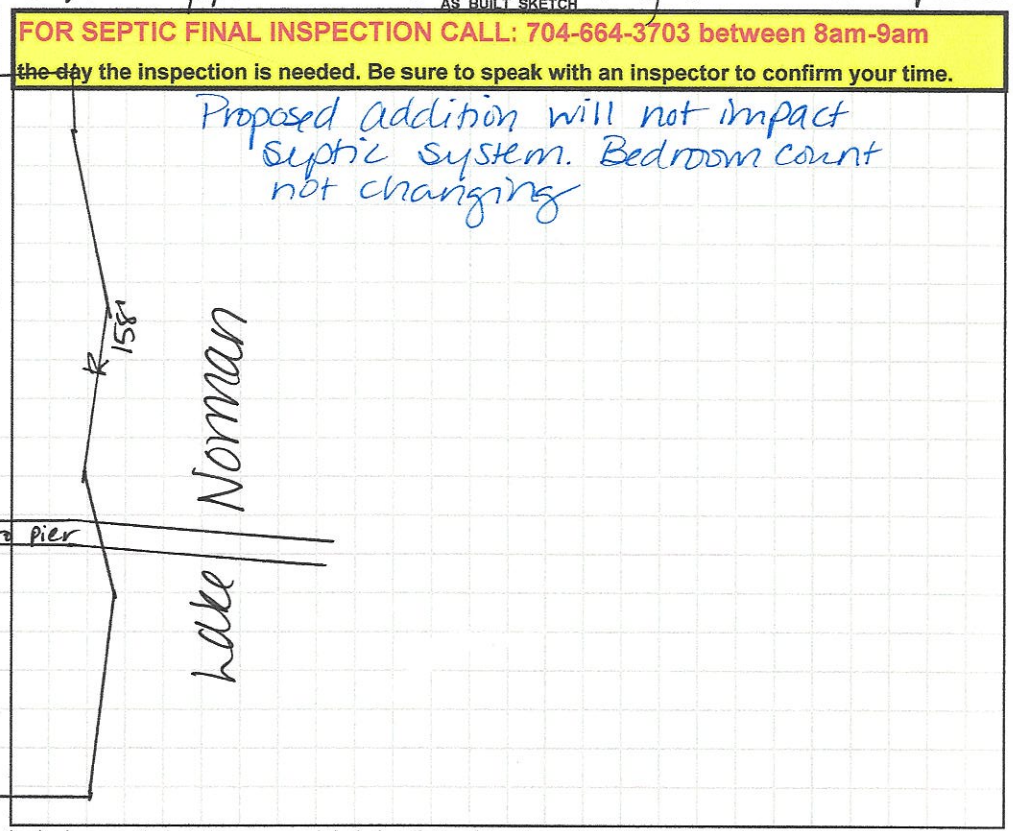
Buffer location approximate on drawing - updated survey not available.
System appeared to be functioning at time of inspection.

INITIAL SITE SKETCH



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.



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: Tammy C Sparks, LSS | Date: 2/2/22 | Installed by:

IMPROVEMENT PERMIT by: | Date: | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: | Date: | Existing System Inspected by: D. Wiseberg | Date: 2/25/22

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

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

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

PERMIT# 088023 PIN# 4637445318 DATE 3/17/2000

OWNER OR CONTRACTOR Fox Builders / Bobby Ivie Jr PHONE: Business 528-3564 Home

ADDRESS 165 Old Mountain Rd Statesville NC 28677

LOCATION Hwy 150 to Doolie Rd to Whippoorwill Rd on left past Kingfisher

SUBDIVISION BLOCK / SECTION 10 LOT 18 LOT AREA 1.68 Acre SITE CLASS. DESIGN FLOW L.T.A.R.

Septic Tank: 1000 East Gallons STB Date

Pump Tank: Gallons PT Date

Pump Make: Model Serial No.

Nitrification Field: No Fields Square Feet N/A Linear Feet

No Lines Trench Width Max Trench Bottom Depth Gravel Depth

☐ New System ☐ Repair System Type: I, II, III, IV, V, VI

System Description: Existing Gravity Conventional

Repair System Description:

Maintenance Agreement Required: ☐ Yes ☒ No

☒ House/Mod. Home No. Bedrooms 3

☐ Mobile Home No. Bathrooms 2.5

☐ Business No. Employees

☐ Other

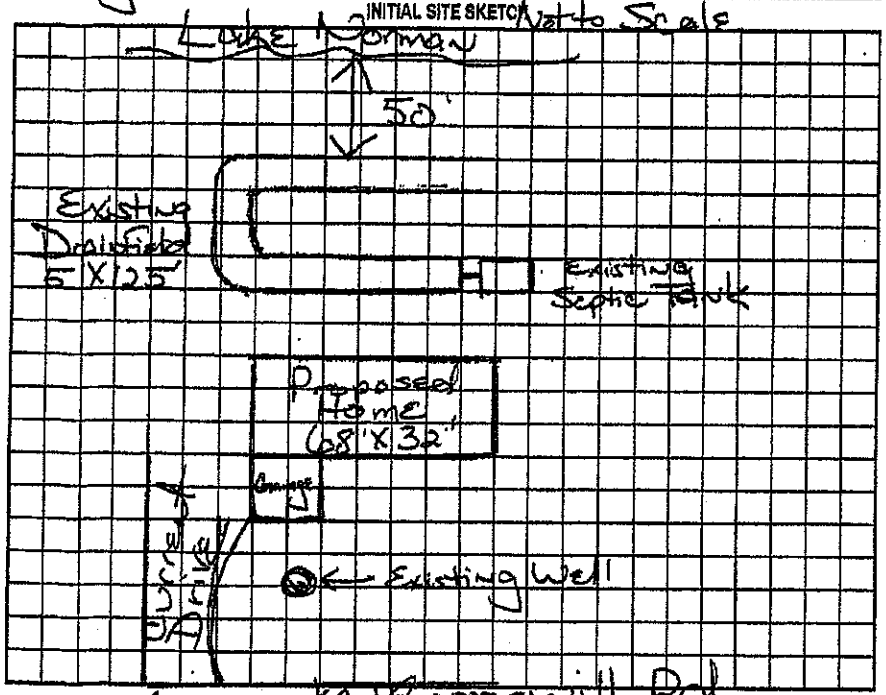
☐ Slab ☒ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

Water Supply: ☒ Individual ☐ Public ☐ Community

Comments/Conditions: Existing Septic System appears to be functioning Okay at time of inspection. No problems noticed. Okay for 3 Bedrooms

Comments/Conditions: Septic System installed 1977 Keep New Home at least 5' from Septic System.

INITIAL SITE SKETCH Not to Scale



AS BUILT SKETCH

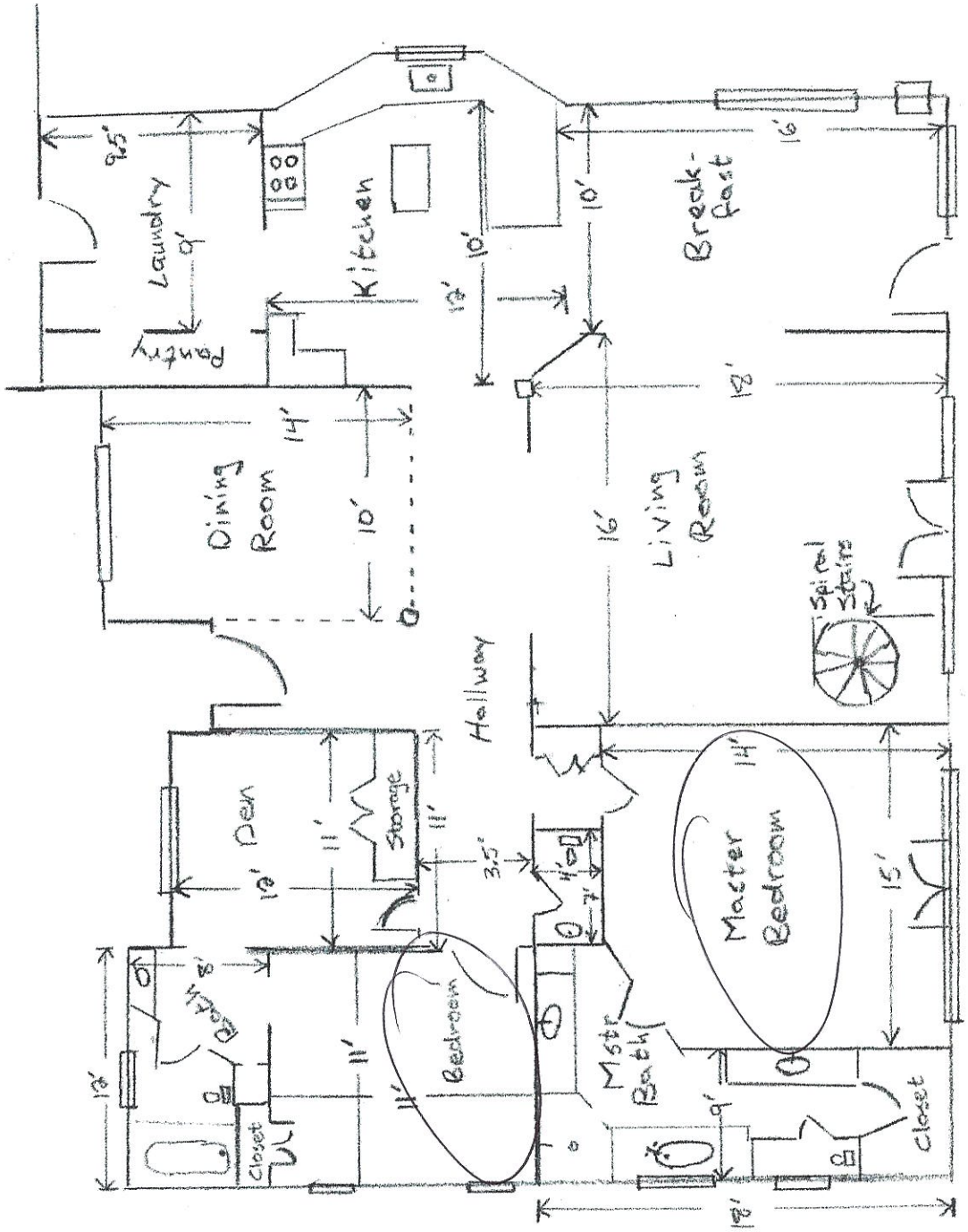
Permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plan valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: date Installed by:

Improvement Permit by: Maria H. Dolan RS date 3/17/2000 Operation Permit by: date

Authorization to Construct by: date Existing System Inspection by: Maria H. Dolan RS date 3/17/2000

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK



Acknowledgement Of Plans Submittal ONLY!

Date 3/9/22

Date 2/25/22

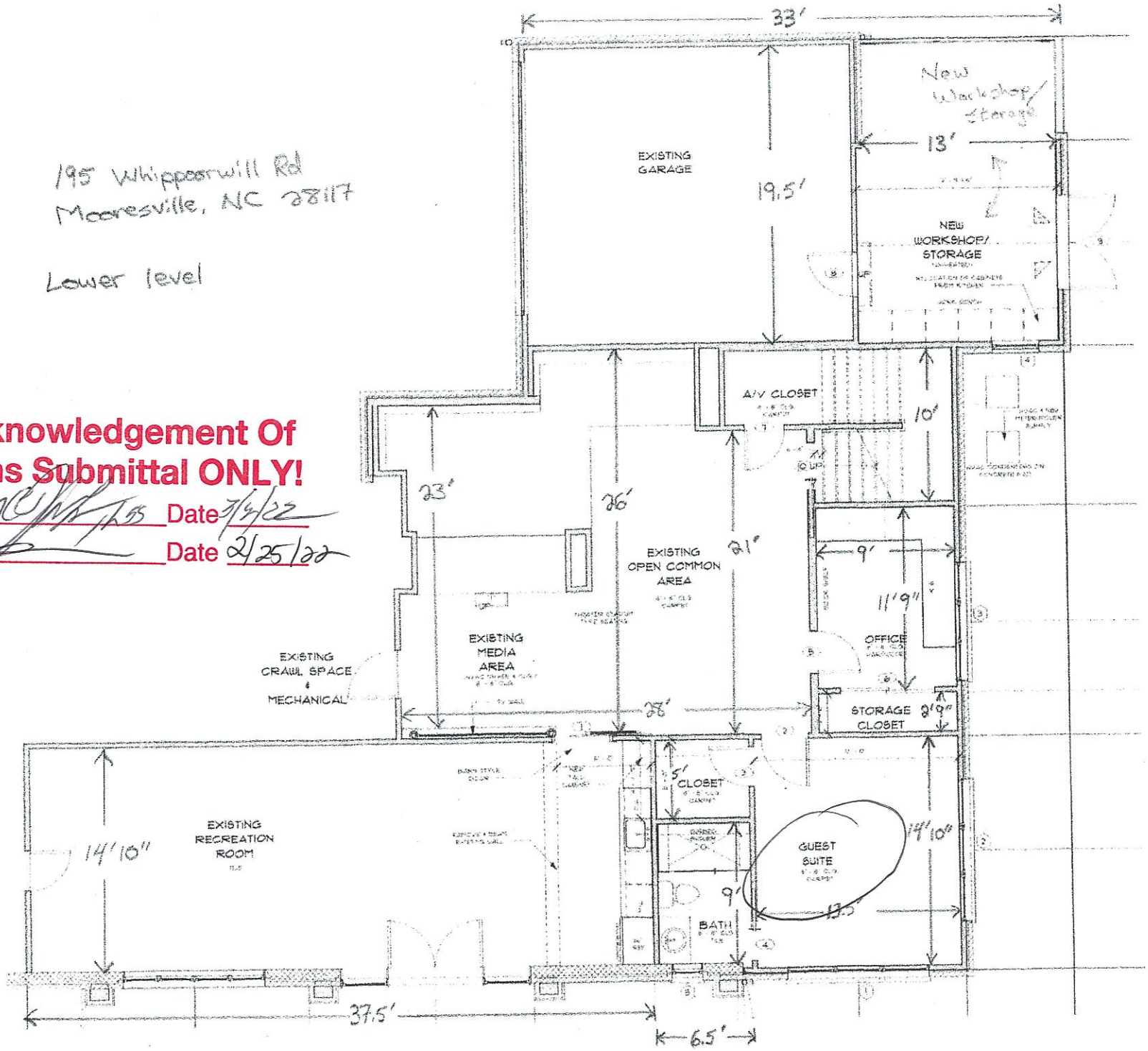
195 Whippoorwill Rd
Mooresville, NC 28117

Lower level

Acknowledgement Of Plans Submittal ONLY!

_____ Date 2/4/22

_____ Date 2/25/22



CONNECTGIS WEB HOSTING

North Carolina Iredell County

1:30



Search

Excel 2000/2003

		Address	City	State	Zip	Street Name
1		195 WHIPPOORWILL RD	MOORESVILLE	NC	28117	WHIPPOORWILL

- Lose entire upper portion of drainfield
- Lose 20' too close or under lower part of patio
- Lose small section of bed in buffer.

IREDELL COUNTY HEALTH DEPARTMENT

(SEPTIC TANK) IMPROVEMENTS PERMIT AND CERTIFICATE OF COMPLETION

(Ground Absorption Sewage Disposal System – G.S. Chapter 130-Article 13C)

OWNER OR CONTRACTOR [illegible] DATE 8-23-77 PERMIT NO. _____

PHONE: Business _____ Home [illegible] 31

LOCATION [illegible] 150 [illegible] 1321 ½

SUBDIVISION NAME Lake Norman LOT NO. 18 SECTION OR BLOCK NO. 10 S.R. No. _____

House (✓) Mobile Home ( ) Business ( ) Other _____

No. Bedrooms 3 No. Bathrooms 2

Garbage Disposal Unit	Yes ( )	No (✓)	
Auto. Dishwasher	Yes (✓)	No ( )	
Auto. Wash. Machine	Yes (✓)	No ( )	
Site Suitable	Yes (✓)	No ( )	

Lot Area ¾ acre

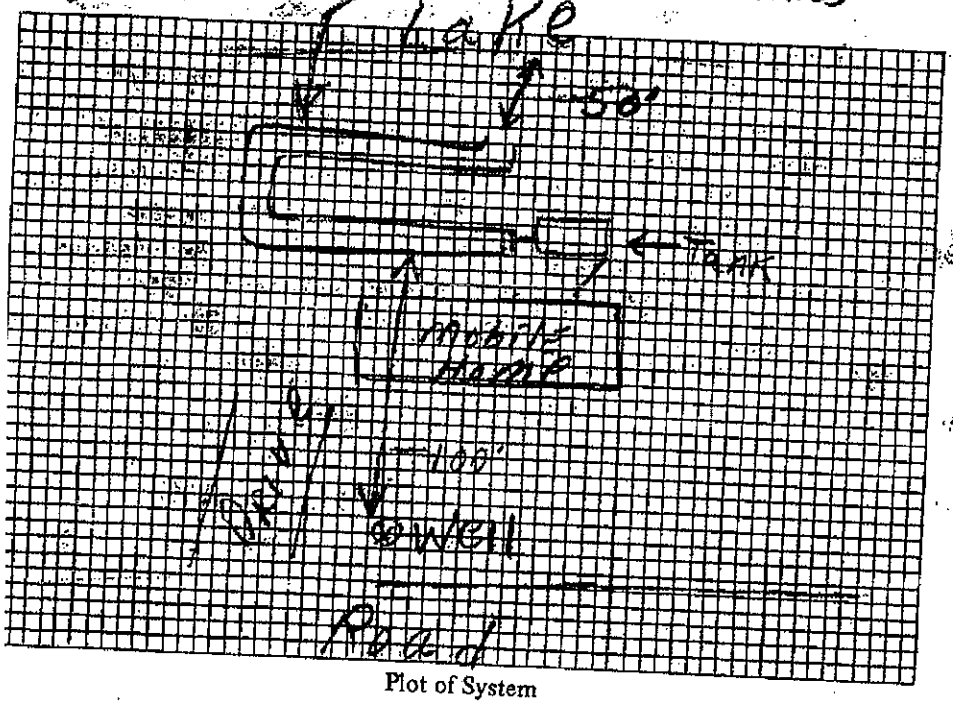
Character & Porosity of Soil [illegible]

Percolation Rate [illegible]

Topography [illegible]

Depth to Water Table [illegible]

Rock or other impervious formations [illegible]



Plot of System

Size of Tank 1000 Gals.

Nitrification Field:

No. of Lines 2

Sq. Ft. 625 Lineal Ft. 250

Depth of Stone in Lines 10"

Water Supply: Individual [illegible]

Public [illegible]

Installed by [illegible]

IMPROVEMENTS PERMIT BY [illegible]

COMMENTS: [illegible]

CERTIFICATE OF COMPLETION BY [illegible] DATE 8-23-77

CONSTRUCTION MUST COMPLY WITH ALL OTHER APPLICABLE STATE AND LOCAL REGULATIONS.

Health Dept. Copy: White Inspection Dept. Copy: Yellow Sanitarian's Copy: Pink Owner's Copy: Gold

RECEIVED JAN 19 2022

350.00

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* AP-321708 $350.00

ER.

Application For:
( ) New Well Permit ( ) Well Repair
(✓) Septic Improvement Permit (✓) Authorization to Construct (X) Existing Syst

Initial charge to Existing system - Initial & change to 3 bedroom only

150.00 balance owed → system located by EHS, changed to reg. list, not exp. rvw.

Initial & date ↓

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH SEE 15A NCAC 18A .1537(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) Survey Plat
Place an (X) beside whichever is submitted if applicable ( ) Custom Sit

Applicant Information: (PRINT CLEARLY)

Applicant Name: Tanya C. Jacobs Address: 146 Broad St
Applicant Email: tanyajacobs@gmail.com Phone: 704 582 9219
Owner Name: Mark Anderson Address: 195 Whippoorwill Rd
Owner Email: Marka-nc@roadrunner.net Phone: 919 419 9464

Property Information:

Street Address: 195 Whippoorwill Rd Mooresville
Subdivision Name: NA Section/Phase: _____ Lot Number: _____
Driving Directions: W 150, L Davie Rd, R Whippoorwill, on left

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

( ) 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: ~~3~~ 4 3
Maximum Number of Occupants: 5
( ) 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: 1977
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: ~~Pumps~~

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.

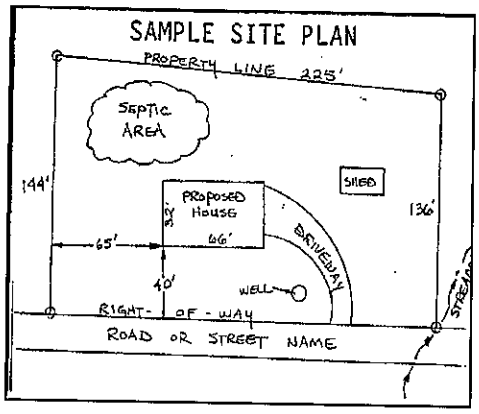
Signature: Tanya C. Jacobs, LSS 1/19/22
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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:

- (X) Location of septic systems and wells within 100' of your property N/A
- (X) Location of easements and rights of ways on your property N/A
- (X) 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 site drawing

Signature: _____

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

1/19/22

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/We Mark Andersen Michelle Bertsch, am the legal owner(s) of the property located at 195 Whippoorwill Rd, Mooresville identified as PIN (Parcel Identification Number) 4637445316, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Tracy C Jacobs, LLC Jacobs on-site development, LLC 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.

1-14-2022

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

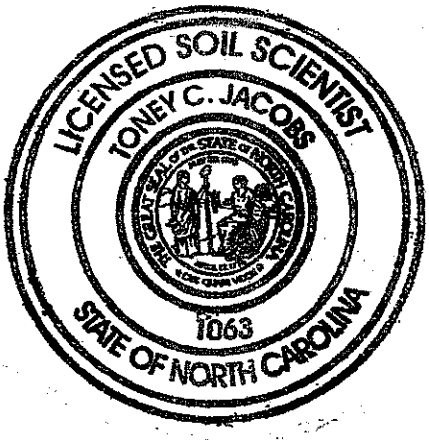
195 Whippoorwill

ONE BEDROOM ADDITION BY LOW PRESSURE DOSE
T & J PANELS
FOR
SUBSURFACE WASTEWATER DISPOSAL
195 WHIPPOORWILL ROAD
MOORESVILLE, NC 28117
Pin 4637445318

Prepared for
Mark Andersen and Michelle Bertsch
195 Whippoorwill Road
Troutman NC 28117
919-419-9441
Marka-nc@roadrunner.com

Prepared by:
Toney C. Jacobs, LSS
Jacobs On-Site Development, Inc.
Mooresville, North Carolina 28117
704 582-9219
toneycjacobs@gmail.com

January 15, 2022



Copy: Maria Dotson, RS
Iredell County Health Dept.
704 902-4492

Toney C. Jacobs, LSS

WARNING . . . . WARNING . . . . WARNING

The ultimate success of the septic for this new addition will depend on a reasonable amount of care in preserving the septic and repair areas. All septic and repair should be fenced before any construction begins. The fence or barricade should be maintained during the entire building until final landscaping. Many general contractors mark the fence with signage such as "septic area-do not enter" which is usually effective. Builder supervision of subcontractors makes this effective.

BACKGROUND

The original house or mobile structure was permitted prior to the State mandated repair requirement. Records indicate the system consists of a 625 sq. ft. bed which was still functioning in 2000 when the current house was built. Probe examination on 1-12-22 indicated the system is serviceable. This permit is for a 120 gpd addition of 1 bedroom. This addition will require an addition to the system of 80 lineal feet of dosed T&J Panels. The 2000 permit did not designate repair. This application addresses 100% repair for the completed 4 bedroom system. Soil was evaluated and the repair area is shown on plan.

This permit request is for the addition of one bedroom to a three bedroom single family residence. The soil was evaluated to a depth of 48 inches (plus) and found to have usable soil. The LTAR of the soil described by Toney Jacobs, LSS was 0.3 (actually installed 0.25) for initial and 0.2 LTAR for drip repair.

The proposed system will be a Type III(b)and(e) and does not require a maintenance contract with a certified operator, but it is highly recommended that a maintenance check be completed every 6 months by a certified operator.

APPLICATION INFORMATION

1. Prepared for: Mark Andersen and Michelle Bertsch
   195 Whippoorwill Road
   Mooresville NC 28117

   Soil Scientist
   and Designer: Toney C. Jacobs, LSS
   Jacobs On-Site Development, Inc.
   168 Broadbill Drive
   Mooresville, NC 28117

2. Water supply is provided by an on-site well (area shown on plan).
3. Facility to be served by the proposed system is a four bedroom permitted as 480gpd.

LOCATION

The property is a 0.67 acre tract located at 195 Whippoorwill Road.

ADDITIONAL DESCRIPTION

The addition will require a pump tank to overcome elevation and give the advantage of rest dose cycle. The eight tap manifold will load existing bed from both ends with ¾ of daily flow and the panel lines with ¼ of daily flow (dosed). Eight taps are required to get everything equal.

DESIGN SPECIFICATIONS

195 Whippoorwill Road

Daily design flow	~~120 addition making 480 gpd~~ total 360 gpd w/ existing
Septic tank size	1000 gal. existing
Pumping tank size	~~1000 gal. (added)~~ NA
Initial system	5' x 125' bed adding 80' of T&J panels (18 panels)
Effluent loading rate, Initial system	bed 0.576 gpd/ft^2 addition at 0.25 gpd/ft^2 (by soil evaluation 0.3)
Total length and diameter of supply pipe	2 pipes approx. 80 ft. each 2" SCH 40 PVC
Number and length of laterals	2 @ 40', end-fed from pressure manifold through panels are 2" diameter
Manifold	4", 8 each ½" SCH 80 taps
Elevation head	approx. 5.0' (to be verified by installer after tanks are set)
Pressure head	2.0'
Friction head	2.0'
20% contingency	2.0'
Total head	11.0'
Pump requirements	44.0 gpm at 11.0' of head
Dosing volume	240 gal. *
Depth of water pumped per dose	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump run per dose	approx. 5.0 min
Check valve	yes
Siphon break hole	no
Effluent loading rate, Repair system	0.2 gpd/ft^2 in lake buffer
Repair system	pretreatment drip in lake buffer 30-50 ft. from lake

Note: * Before placement of cap block, one panel on each line near the feed end of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce time by 10 gallons and check until no overflow is observed on either line.

RESIDENT SUGGESTIONS

Most systems do not require much effort to operate and maintain. Even though the effort is small, the system must be maintained properly so that it operates reliably and at a minimum cost. Following are suggestions for the homeowner to minimize the burden on the septic system.

1. Garbage disposals should not be used in on-site systems. The ground garbage adds large amounts of solids to a septic tank, causing sludge to build up at a quicker rate than without. If disposal is installed, use should be limited.
2. Grease, cooking oils and coffee grounds should never be put into a septic tank.
3. Items such as disposable diapers, cigarettes, facial tissues and other solid or paper wastes should not be flushed into the on-site system.
4. Used motor oil and other such oily liquids (paint and cleaners) should not be put into a septic tank.
5. Using less water can reduce the amount of water flowing to the treatment and disposal field. Use as many water saving fixtures as possible
6. Water-saving fixtures and devices can be installed on sinks, toilets and showers to reduce the rate at which the water flows from the fixture. High volume multi-head showers should be avoided.
7. Dishwashers and washing machines should only be run with full loads.
8. Leaky faucets and toilets can add large volumes of water to the daily flow of water into the on-site system. At the first sign of problems or suspected problems repair the leaks to save water.
9. Repair of this system will be highly technical and expensive.

ELEVATIONS

	Feet
right rear property corner iron	100.00
top of septic tank	106.15
septic tank invert	105.00
bottom of pump tank	99.00
estimated existing bed (varies)	102.00
top panel line 6" deep	104.30
lower panel line 6" deep	103.80

PINNACLE LAND SURVEYING, PA

SURVEYING – PLANNING – MAPPING
P.O. BOX 2727 (704) 399-9120
HUNTERSVILLE, NC 28070 FAX (704) 398-1226

© PINNACLE LAND SURVEYING, PA

KLAUS E. KRUEGER PLS L-3808

1" = 40'

NORTH CAROLINA PROFESSIONAL SEAL L-3808 LAND SURVEYOR KLAUS E. KRUEGER

MB 15 PG 3

LAKE NORMAN

Float

Pier

Pier

Pier

NPS

S 74°25'40" W
42.99'

located

S 52°06'00" W
24.74'

S 66°09'00" W
13.00'

S 55°56'00" W
37.48'

NPS

S 76°09'00" W
34.53'

NPS

EIP

NPS

Rip Rap

761.0' Contour Elevation
Floodline

EIP

3 tap feed each end of bed

BASE FLOOD ELEV = 761.0'
BASEMENT ELEV = 767.9'
FIRST FLOOR ELEV = 777.6'
GARAGE ELEV = 772.2'
A/C ELEV = 769.5'
LOWEST ADJ ELEV = 766.3'
HIGHEST ADJ ELEV = 773.1'

LOT 18
29,253 SQ.FT.
0.6715 ACRES

drip repair

drip repair

760 Contour

50' Setback from

94.74'

Soil profiles

#

S 25°20'10" E
202.14'

40' Tea Tree

40'

40'

2

3

55x125' Bed

N 21°37'00" W
203.37'

(Basis of Bearings)

Adding 8 tap manifold (NTS)

Lot 19
Now or Formerly
James D. Brown
DB 0650 PG 0350

Deck

Deck

10.2'

6.0'

42.2'

1 Story Brick
w/Basement
195

12.3'

5.8'

3.2'

9.8'

38.8'

Adding 1000g pump tank

existing 1000g septic tank

9.1'

20.8'

22.1'

5.0'

11.2'

13.0'

10' Side Setback

10' Side Setback

30.58'

22.5'

Concrete Driveway

Lot 17
Now or Formerly
Herbert O. Cauble, Jr
& Edith Cauble
DB 0615 PG 0688

46.71'

Well

25' Setback

Neighbor well

CHORD
N 60°07'47" E
38.62'
L=38.79'
R=121.71'

N 69°15'34" E
99.11'

NPS

EIP

EIP

Neighbor
TIE Re-set Concrete Monument
(Not to Scale)
N 44°07'50" E
122.69'

WHIPPOORWILL ROAD
60' PUBLIC R/W

Edge of Pavement

Hwy – 150

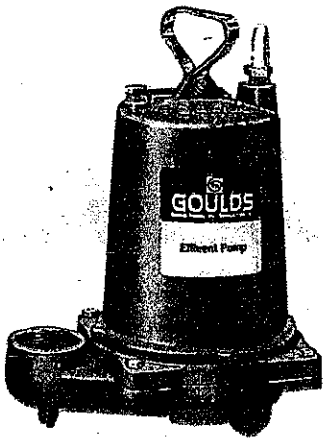
Exit 36

Whippoorwill Rd

Doolie Rd

I – 77

SITE



Goulds

Submersible Effluent Pump

MODEL

3885

APPLICATIONS

Specifically designed for the following uses:

- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems

SPECIFICATIONS

Pump

- Solids handling capabilities: ¾" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 128 GPM.
- Total heads: up to 123 feet TDH.
- Mechanical seal: silicon carbide-rotary seat/silicon carbide-stationary seat, 300 series stainless steel metal parts, BUNA-N elastomers.
- Temperature: 104°F (40°C) continuous 140°F (60°C) intermittent.
- Fasteners: 300 series stainless steel.
- Capable of running dry without damage to components.

Motor

Single phase:

- ⅓ HP, 115 V, 200 V, 230 V, 60 Hz, 1750 RPM; ½ HP, 115 V, 60 Hz, 3500 RPM; ½ HP – 1½ HP, 230 V, 60 Hz, 3500 RPM.
- Built-in overload with automatic reset.
- Class B insulation.

Three phase:

- ½ HP – 1½ HP 200/230/460 V, 60 Hz, 3500 RPM.
- Class B insulation.
- Overload protection must be provided in starter unit.
- Shaft: threaded, 400 series stainless steel.
- Bearings: ball bearings upper and lower.
- Power cord: 20 foot standard length (optional lengths available).

Single phase:

- ⅓ and ½ HP – 16/3 SJTO with 115 V or 230 V three prong plug.
- ¾-1½ HP – 14/3 STO with bare leads.

Three phase:

- ½-1½ HP – 14/4 STO with bare leads. On CSA listed models – 20 foot length SJTW and STW are standard.

FEATURES

■ **Impeller:** Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.

■ **Casing:** Cast iron volute type for maximum efficiency. 2" NPT discharge adaptable for slide rail systems.

■ **Mechanical Seal: SILICON CARBIDE VS. SILICON CARBIDE** sealing faces. Stainless steel metal parts, BUNA-N elastomers.

■ **Shaft:** Corrosion-resistant stainless steel: Threaded design. Locknut on three phase models to guard against component damage on accidental reverse rotation.

■ **Motor:** Fully submerged in high-grade turbine oil for lubrication and efficient heat transfer.

■ **Designed for Continuous Operation:** Pump ratings are within the motor manufacturer's recommended working limits, can be operated continuously without damage.

■ **Bearings:** Upper and lower heavy duty ball bearing construction.

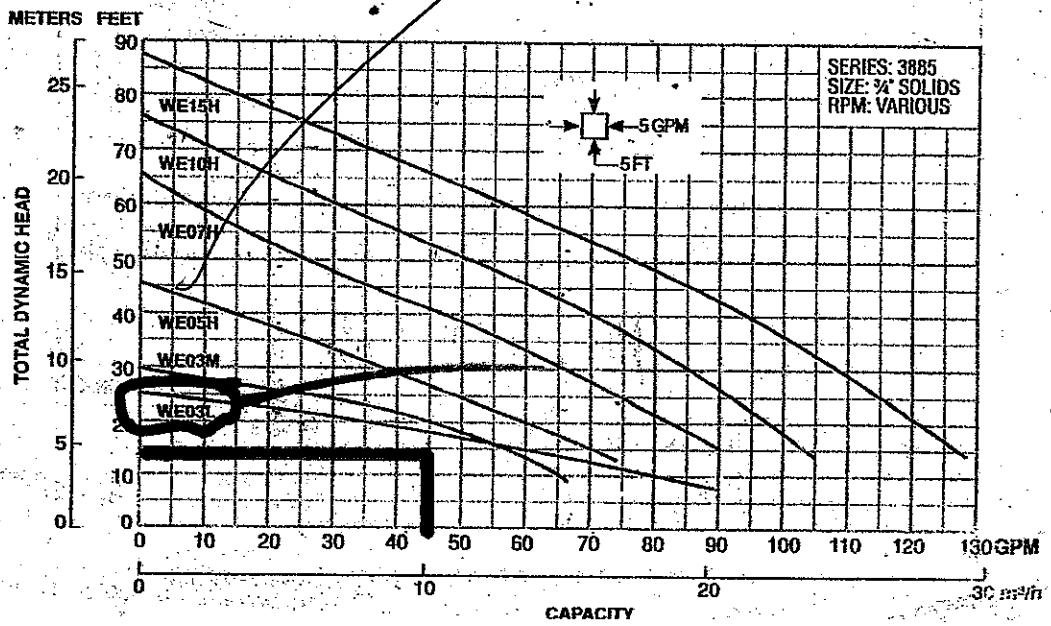
■ **Power Cable:** Severe duty rated, oil and water resistant. Epoxy seal on motor end provides secondary moisture barrier in case of outer jacket damage and to prevent oil wicking.

■ **O-ring:** Assures positive sealing against contaminants and oil leakage.

AGENCY LISTINGS

CSA Canadian Standards Association

UL Underwriters Laboratories



Sheet 1 of 1
PROPERTY ID #: 4637445316
COUNTY: Iredell

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

OWNER: Mark Andersen & Michelle Bertsch — APPLICATION DATE: _____
ADDRESS: 195 Whippoorwill Rd, Mooresville, NC 28117 — DATE EVALUATED: 1/12/02
PROPOSED FACILITY: 1br addition — PROPOSED DESIGN FLOW (.1949): _____ — PROPERTY SIZE: 0.62ac
LOCATION OF SITE: _____ — PROPERTY RECORDED: <1997

WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut — TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

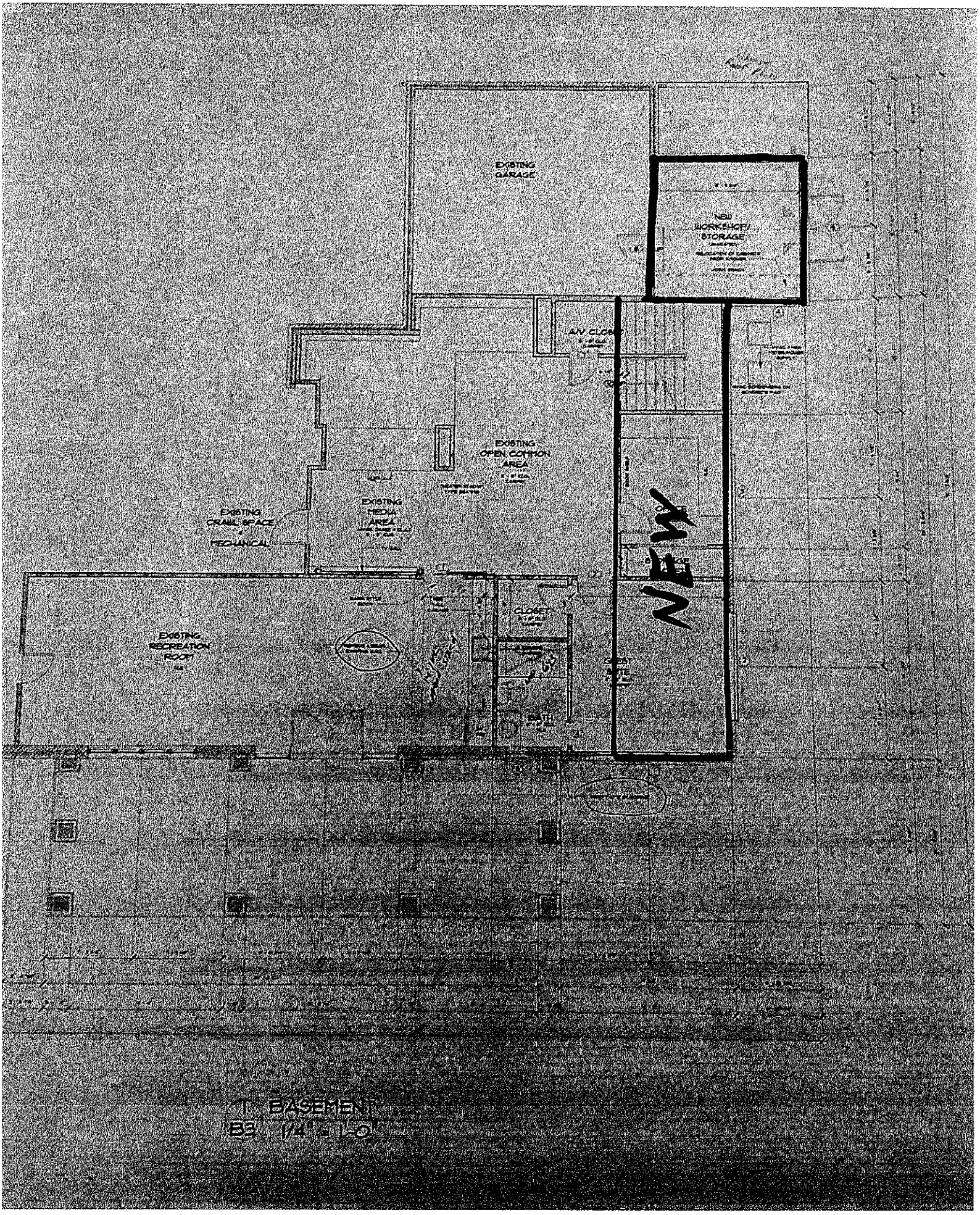
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS <3%	0-15	gr cl l	fri SSSP 1:1	NA	PS	NA	NA	1 rabots c/1 mont c fine mica/flake 0.3 0.2 drip
		15-28	cmsbk cl/c	fri SSSP "	NA		NA		
		28-58	fmsbk cl	fri SSSP "	NA		evaluation 25%		
		20-34			mn staining 34" +		mica common fmoderate		
2	LS <2%	0-13	gr cl/l	fri NSNP 1:1	NA	PS	NA	NA	0 rocks c mica flakes 0.3
		13-33	fmsbk cl/c	fri SSSP "					
		33-60	fmsbk cl	fri SSSP 1:1	mica common fmoderate mn staining 33" +		marginal 20%		
3	LS <2%	0-11	gr cl/l	fri NSNP 1:1	NA	PS	evaluation 10%	NA	1 rocks c mica flakes 0.3
		11-36	mm SBK cl/c	fri SSSP "					
		36-60	fm SBK cl	fri " "	mica common				
4	LS <2%	0-13	gr cl	fri NSNP 1:1	NA	PS	fair/PS evaluation	NA	0 rocks 0.2 drip 0.3
		13-24	fmsbk cl/cl	fri SSSP 1:1					
		24-49	fm SBK cl	fri SSSP 1:1					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	bed + trench	Pre-treatment dosing
System Type(s)	" "	"
Site LTAR		0.2 drip

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tim Foster, LSS
OTHER(S) PRESENT: Ken Byrum - buyer; owner - Mark Andersen

COMMENTS: Bed location

1 1ST FLOOR
B4 1/4" = 1'-0"



1 BASEMENT
B3 1/4" = 1'-0"

IREDELL COUNTY · NC

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

APPLICATION NUMBER
324778
Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4637445318.000	195 WHIPPOORWILL RD	Iredell County

Owner Information	Applicant Information
Name: BERTSCH MICHELLE+MARK ANDERSEN	Name: TONEY JACOBS & ASSOCIATES
Address:	Address: 168 BROADBILL DRIVE
	MOORESVILLE, NC 28117
Phone:	Phone: (704)663-6905

Use Requested	Zone Code
Addition	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.68	35	50	15	15	WSIV-CA Catawba/Lake Norman	YES

Remarks

ADDITION TO ENLARGE KITCHEN, ADD OFFICE AND A BEDROOM

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.

Date: 01/19/2022

Signature of Owner/Contractor

Permit Number	324778	TOTAL FEES:	$77.25

IREDELL COUNTY PLANNING & DEVELOPMENT
PO BOX 788, STATESVILLE NC 28687-0788
349 N. Center Street / Building Standards Center
(704) 878-3118 / FAX (704)928-2025

Residential Zoning Permit Application

What are you building?(Please check) *No building or addition shall be used for commercial, business, or other non-residential use unless appropriate permits and approval are obtained from Iredell County for commercial use.

Stick built ✓ Modular___ Duplex___ Singlewide___ Doublewide___ Pier___ Addition___ Bedroom addition___

Accessory dwelling (ie: M-I-L Suite, guest house) ___ Accessory building (ie: garage, shed)___ Swimming pool___

Are there any other structures currently on the property such as dwellings, sheds, garages? (Please list type below)
existing home

Is there a septic tank on the property? (Yes) No If residence how many bedrooms? 3 and stories? 2

Please describe project (Details, Purpose, or Use): addn 2 story - kitchen expansion up, bedroom + office down

Please list square footage of project (Pier, Addition, Accessory Dwelling, Accessory Building only): 600 sq, 3 bedroom

Does the property have community water? Yes (No) If yes, please list who provides it: _____

Does the property have community sewer? Yes (No) If yes, please list who provides it: _____

Owner Information

Property Owner's Name Mark Andersen Phone # 919 719 9491

Owner's Current Address 195 Whippoorwill Rd Mooresville 28117

Property Information

Property Address 195 Whippoorwill Rd Parcel # 4637453 18

Subdivision: Old Dirt Lot:___ Zoning:___ Watershed (Y) N Flood Plain: Y / N Township:___

Directions to property (from a MAIN ROAD) Hwy 150 W, R Dorie Rd, R Whippoorwill, on left

Application Information

Applicant's Name or Company Jacobs-On-Site Dev Applicant's Phone # 704 582 9211

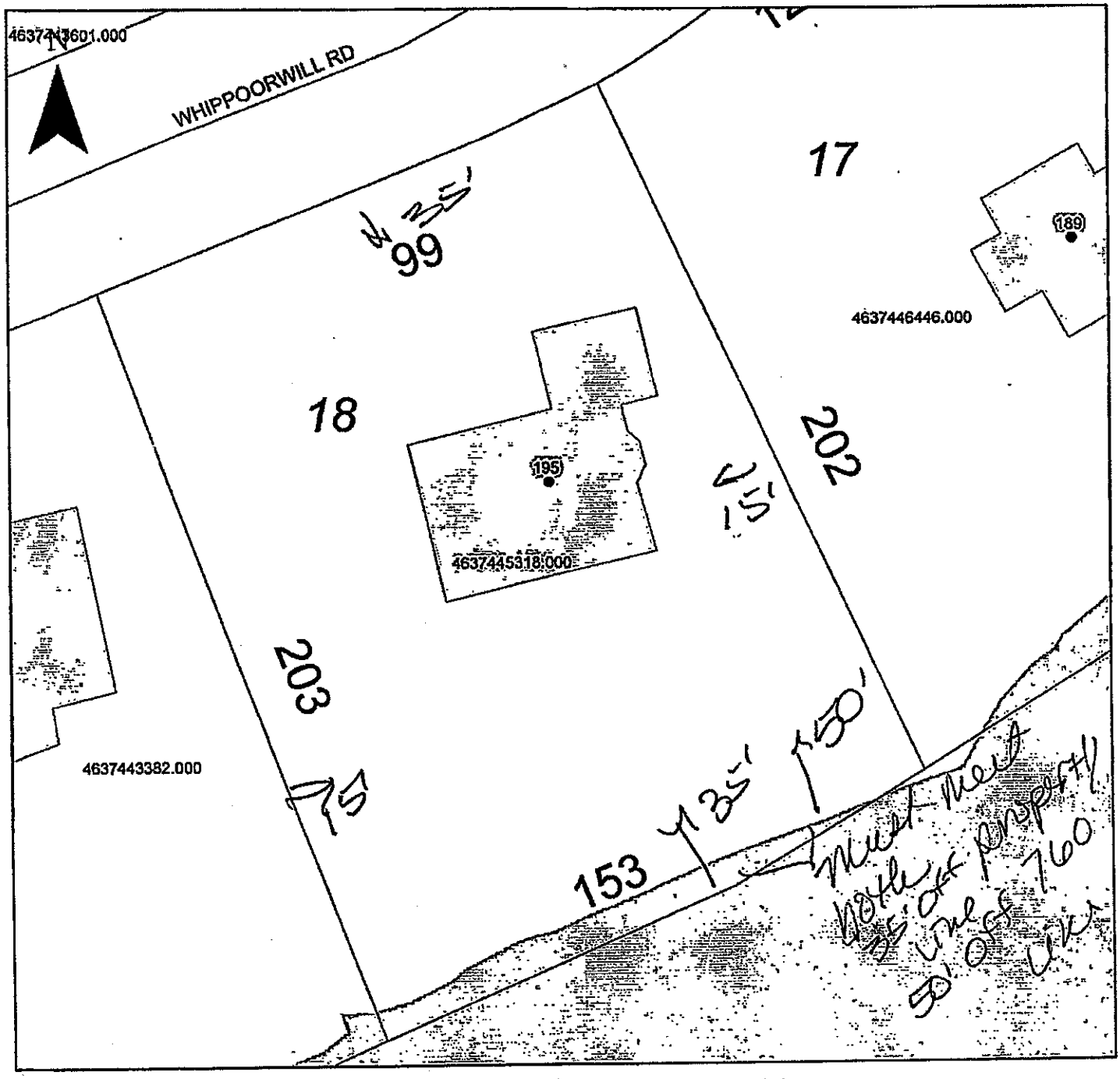
Applicant's Address 116 Broadcliff Dr Mooresville 28117

If Company, Representative's Name and Title Greg

IN APPLYING FOR A ZONING PERMIT I CERTIFY THAT ALL INFORMATION ON THIS APPLICATION IS CORRECT AND THAT ALL WORK WILL COMPLY WITH IREDELL COUNTY ZONING REGULATIONS. THE IREDELL COUNTY PLANNING & DEVELOPMENT DEPARTMENT WILL BE NOTIFIED OF ANY CHANGES THAT ARE MADE TO THIS PROJECT. I AM AWARE THAT THIS IS AN APPLICATION ONLY - NOT A PERMIT - AND DOES NOT CONSTITUTE APPROVAL OF THIS PROJECT. HOWEVER, IF THIS PROJECT IS APPROVED, THIS SIGNATURE IS VALID FOR MY PERMIT.

SIGNATURE OF APPLICANT [signature] DATE 1/19/22

ZONING DISCLAIMER



Property Address 195 Whippoorwill

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.

[signature]

11/19/22