KW

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 247345

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

PIN # 4638-59-5869

APPLICANT/OWNER: Tim Carr / Dwayne Peterson | APPLICANT ADDRESS: 237 Bay Shore Loop Mooresville, NC 28117

SITE ADDRESS: 315 Stumpy Creek Rd. Mooresville, NC 28117 | PHONE: 704-402-8594 | ALT. PHONE

SITE DIRECTIONS: Perth Rd N from Rt 150 → L on Livia → L on Stumpy Creek → House on Right | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: CL+T | SECTION: 14 | LOT # 118 | LOT AREA: 0.78 acres | DESIGN FLOW: 480 GPD | L.T.A.R.: 0.30

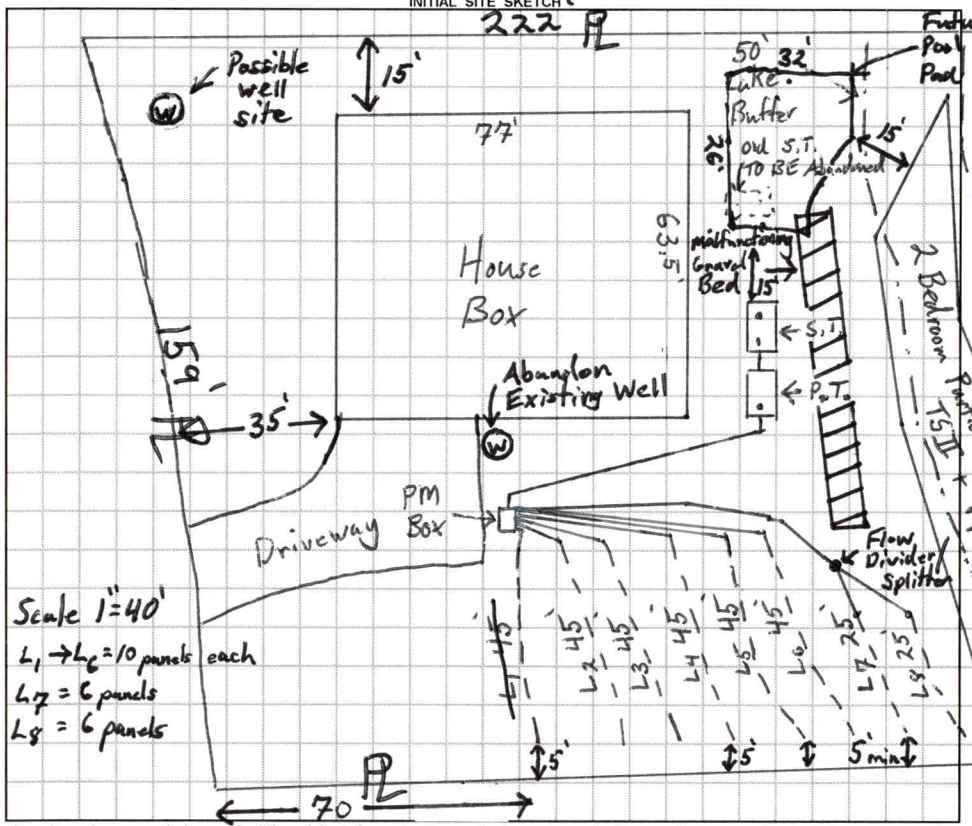
Septic Tank	1000 (gal)	STB	794	Date	2-8-2020	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	1000 (gal)	PT	27	Date	2-10-2020	System Description: PM-PPBPS (50% Reduction)		☐ Business	No. Persons 8	☒ Private
Pump Make	Liberty	Model	152 - 220 volt	Serial #		Repair System Description: TS II + PPBPS (Partial - 2 Bedroom)		☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	8	Linear Ft	275	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width	24"	Trench Bottom Depth(Low side)	30"	Gravel Depth	—	☐ GRAVITY ☒ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: 72 total panels. Dose system 180 gallons per pumping event. Well must be abandoned before AC can be issued. Utilize Pressure Manifold box with 7 x 1/2" SCH-80 TAPS. Use flow divider on two lowest lines.

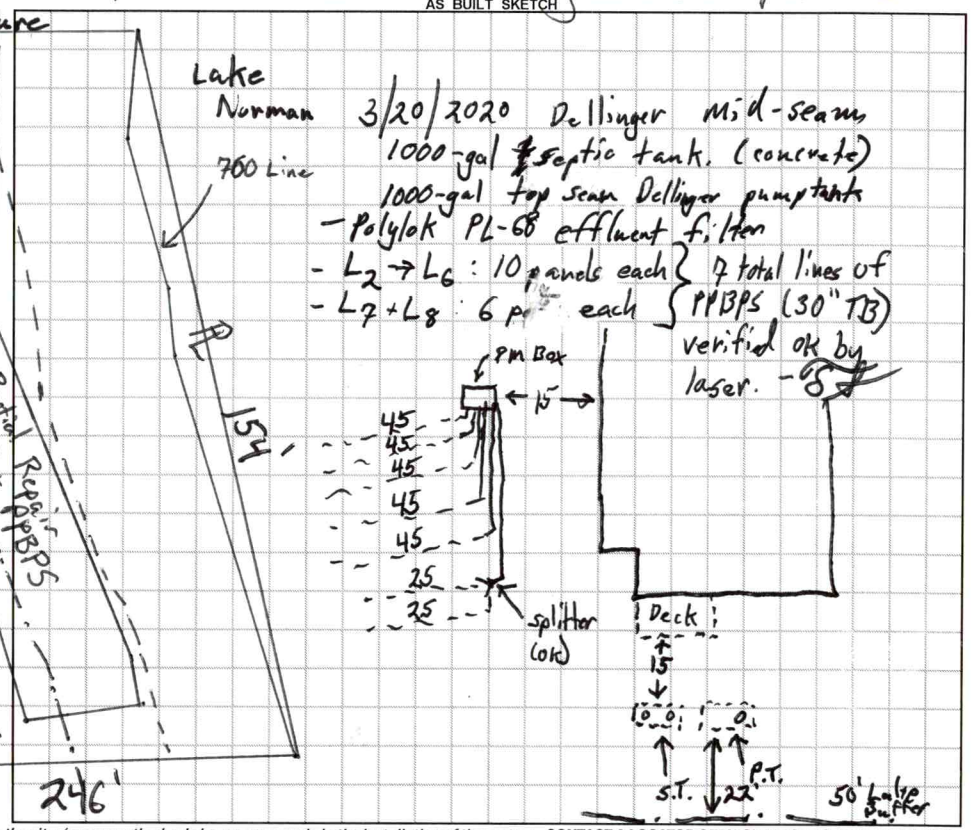
* GW-30 for well abandonment received 9/19/19. OK for AC issuance -SK

5/27/20 Remove blocks holding deck steps -SK

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: Tim Carr | Date: 8-27-19 | Installed by: Brad Russell

IMPROVEMENT PERMIT by: Son Shuck | Date: 8/20/19 | OPERATION PERMIT by: Marina Dotson | Date: 5/27/20

AUTHORIZATION TO CONSTRUCT by: Son Shuck | Date: 9/23/19 | Existing System Inspected by: | Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day th[illegible]ction is needed. Be sure to speak with an inpsector to confirm your inspection time.

	Date	Initials
Drain Lines Checked	3/20/20	~~JL~~
Tanks Checked	3/20/20	~~JL~~
Pressure Manifold or Valve Box Checked	5/18/20	MD
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Y / N		

★ Deck Steps & posts holding them are only 2.5~~ft~~ from tank.
5/18/2020 MD

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 4638-59-5869
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Dwayne Peterson
ADDRESS: 315 Stumpy Creek Rd Mooresville, NC
PROPOSED FACILITY: 4BR SFR
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: #315 Stumpy Creek Rd. Mooresville, NC
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

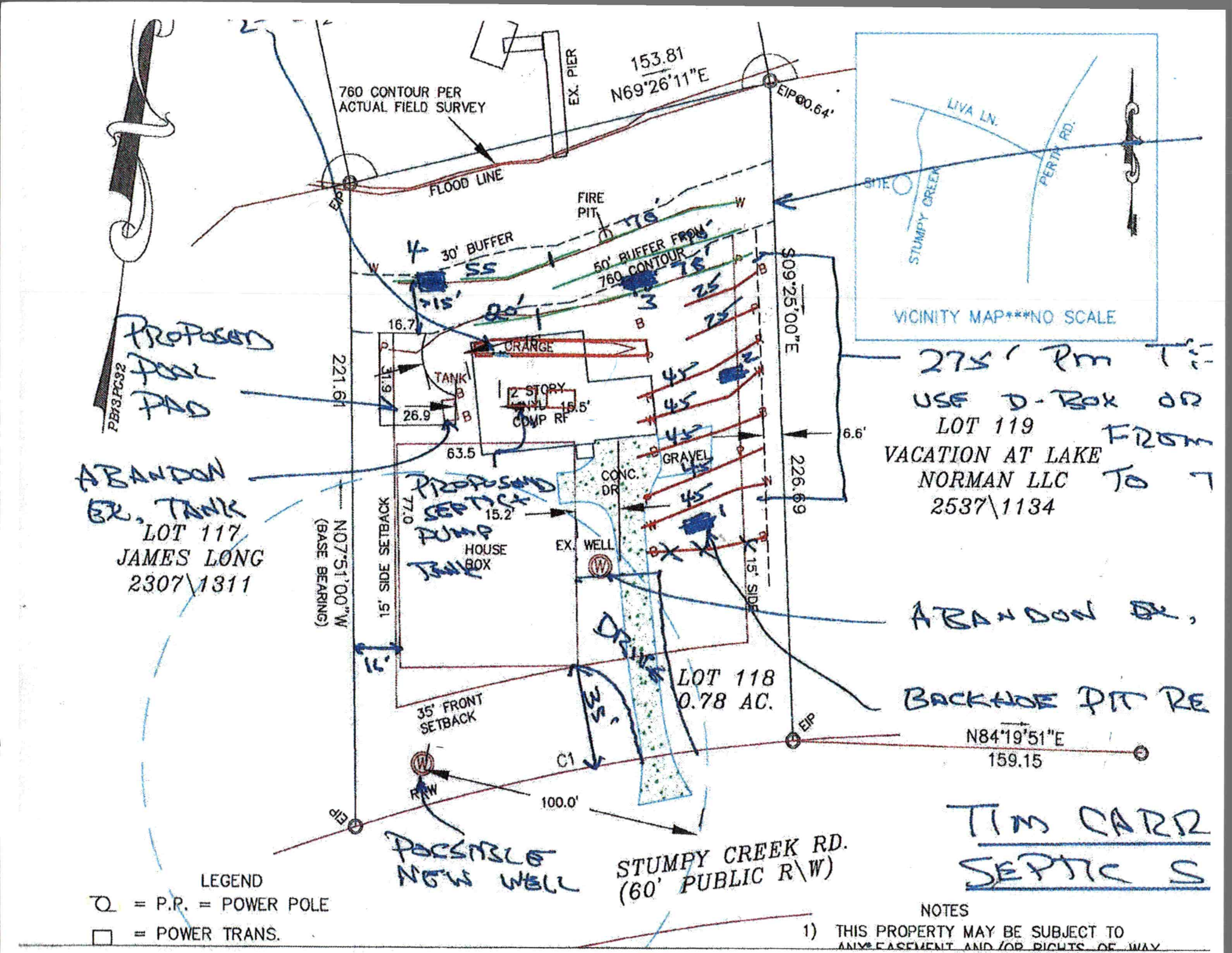
APPLICATION DATE 8/7/19
DATE EVALUATED: 8/15/19
PROPERTY SIZE: 0.78 acres
PROPERTY RECORDED: Yes ≈1975

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	LSS 12% Primary	0-15	SCL w.SBk	Sl. Friable, SS, Sp, Sap		56	—	—	0.3 PS
		15-28	Clay m.SBK/ABt	Sl. Firm, St. icky, Sp, Sap					
		28-56	Clay Loam V.W.SBK	Friable, SS, Sp, Sap					
			common SAP inclusions						
2	LSS 13% Primary	0-14	SCL w.SBk	Sl. Friable, SS, Sp, Sap	—	60	—	—	0.3 PS
		14-42	Clay m.SBK/ABt	Sl. Firm, Sticky, Sp, Sap					
		42-60	Clay Loam w.SBK	Friable, SS, Sp, Sap					
			some SAP inclusions						
3	LSS 7% Repair	0-10	SCL w.SBk	Sl. Friable, SS, Sp, Sap		63	—	—	0.3 PS
		10-36	Clay m.SBK/ABt	Sl. Firm, Sticky, Sp, Sap	—				
		36-63	Clay Loam w.SBK	Sl. Friable, SS, Sp, Sap					
			some Saprolite						
4	Distal LSS Repair	0-22	SCL v.w.SBk	Friable, SS, Sp, Sap		66"	—	—	0.25 PS
		22-46	Clay m.SBK/ABt	Sl. Firm, Sticky, Sp, Sap	Mg Nodules 32"-41"				
		46-66	Clay Loam w.SBK	Friable, SS, Sp, Sap					
			some Saprolite						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	275	308
System Type(s)	PPBPS	TS II + PPBPS
Site LTAR	0.30	0.250

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

COMMENTS:

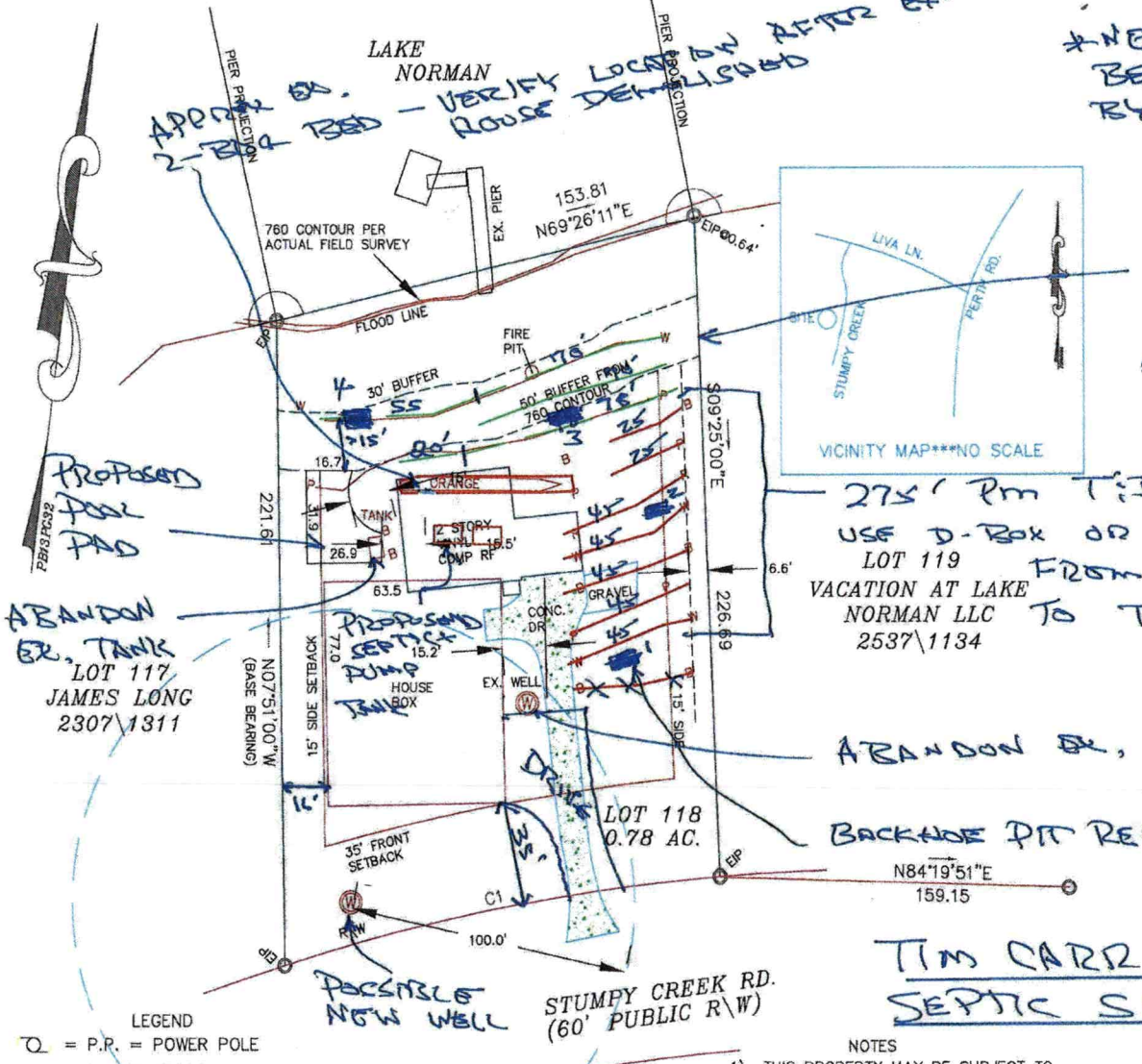

760 CONTOUR PER ACTUAL FIELD SURVEY
EX. PIER
153.81
N69°26'11"E
EIP
0.64'
FLOOD LINE
FIRE PIT
30' BUFFER
50' BUFFER FROM 760 CONTOUR
VICINITY MAP***NO SCALE
LIVA LN.
PERTH RD.
STUMPY CREEK
SITE
PROPOSED POOL PAD
PB13PG32
221.61
TANK
31.9
26.9
16.7
ORANGE
2 STORY CONC COMP RF
15.5'
63.5
S09°25'00"E
226.69
6.6'
GRAVEL
CONC. DR
PROPOSED SEPTIC PUMP TANK
77.0'
15.2'
15' SIDE SETBACK
HOUSE BOX
EX. WELL
15' SIDE
N07°51'00"W
(BASE BEARING)
ABANDON EX. TANK
LOT 117
JAMES LONG
2307\1311
LOT 118
0.78 AC.
35' FRONT SETBACK
C1
R/W
100.0'
N84°19'51"E
159.15
EIP
POSSIBLE NEW WELL
STUMPY CREEK RD.
(60' PUBLIC R\W)
275' RM T
USE D-BOX ON
LOT 119
VACATION AT LAKE
NORMAN LLC
2537\1134
FROM
ABANDON EX.
BACKHOE PIT RE
TIM CARR
SEPTIC S
LEGEND
= P.P. = POWER POLE
= POWER TRANS.
NOTES
1) THIS PROPERTY MAY BE SUBJECT TO

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	725.97'	159.20'	S 71°41'05" W	158.88'

1" = 40'

* EX. HOUSE + DRIVE TO BE DEMOLISHED

* NEW SEPTIC SYSTEM MUST BE PERMITTED + APPROVED BY LCHD



APPROX EX. 2-STORY RES — VERIFY LOCATION AFTER EX. HOUSE DEMOLISHED

293' T:J PANEL REPAIR + EX. RES (2-BDR)
*SEE ATTACHED TABLE

PROPOSED POOL PAD

275' PM T:J PANEL
USE D-BOX OR FLOW DIVIDER FROM ONE TAP TO TWO - 25' LINES

ABANDON EX. TANK

LOT 117
JAMES LONG
2307\1311

LOT 119
VACATION AT LAKE NORMAN LLC
2537\1134

ABANDON EX. WELL

BACKHOE PIT REVIEWED W/ LCHD

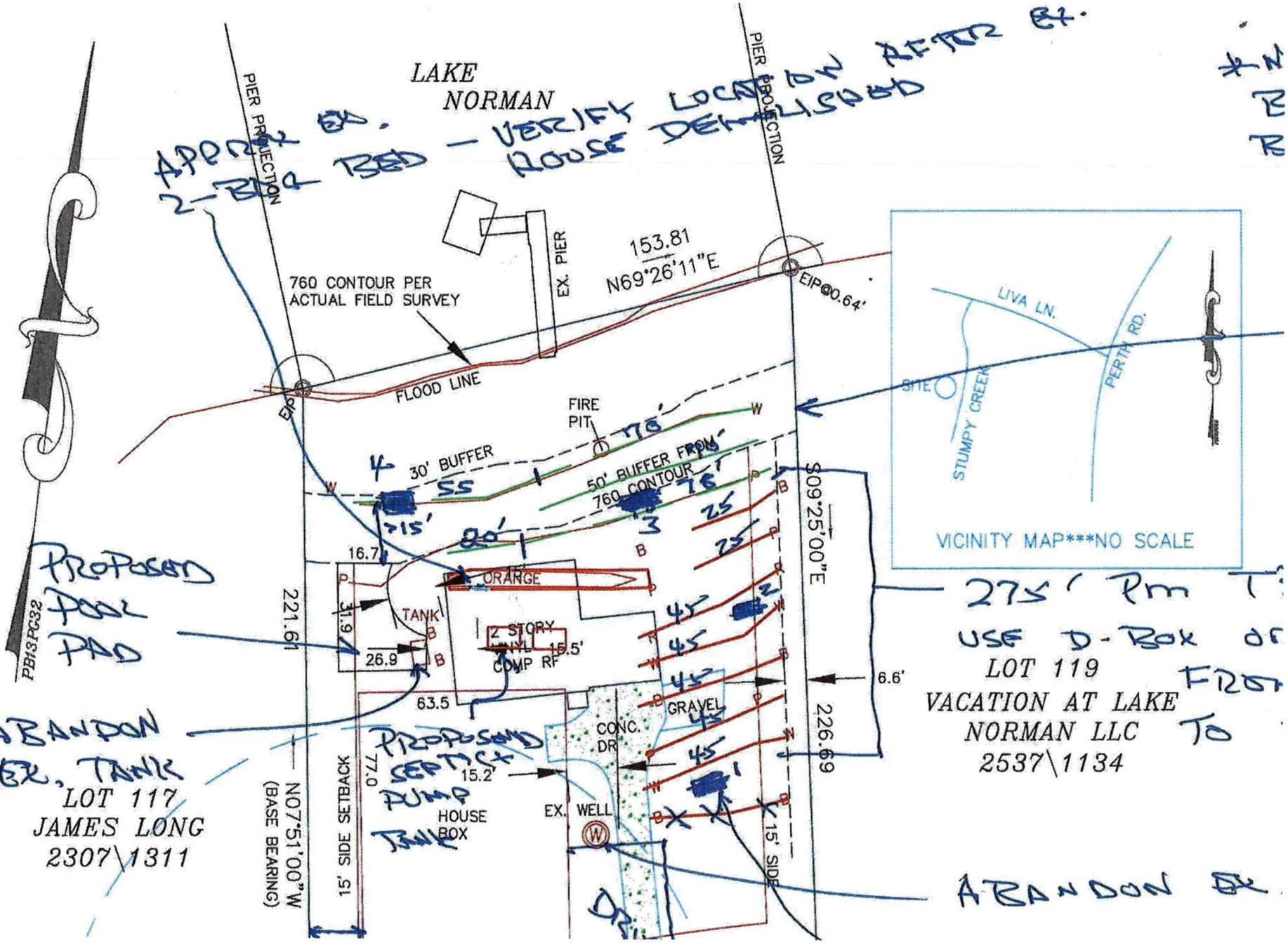
TIM CARR - 315 STUMPY CRK
SEPTIC SITE PLAN
8-19-19

LEGEND
P.P. = POWER POLE
POWER TRANS.

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS OF WAY

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	725.97'	159.20'	S 71°41'05" W	158.88'

1" = 40'



8-19-19

Tim Carr - 315 Stumpy Creek Proposed Repair Area Description

Line and LTAR Description	Line Length (FT)	Design Flow (GPD)
T&J Panel line inside buffer at Conv. Length .25 LTAR	55	41.25
T&J Panel line inside buffer at Conv. Length .3 LTAR	140	126
T&J Panel Line outside buffer at .3 LTAR	78	140.4
T&J Panel Line outside buffer at .25 LTAR	20	30
Total	293	337.65

> 2-BDR

Ex 2-BDR Bed 240

Total Possible Repair 577 gpd

UNDERSTAND WE'TA SNOW W/ ICHD STATED ONLY 2-BDR REPAIR NEEDED + NO CREDIT GIVEN FOR EX. BED.

Call Paul Reamer for Site Visit

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM 704-996-6330

24734 5

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

Pd $500

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: TIM CARR **Address:** 237 BAY SHORE LOOP MOORESVILLE NC **Zip:** 28117

Applicant Email: timpaulcarr@gmail.com **Phone:** 704.402.8594 **Alt. Phone:**

Owner Name: DWAYNE PETERSON **Address:** 510 S MULBERRY ST STATESVILLE NC **Zip:** 28677

Owner Email: **Phone:** **Alt. Phone:**

Property Information:

Street Address: 315 STUMPY CREEK RD

Subdivision Name: CL&T **Section/Phase:** 14 **Lot Number:** 118

Driving Directions: HIGHWAY 150 W, TR PERTH, TL LIVA LN, TL STUMPY CREEK, LOT ON RT

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

CHECK FOUNDATION TYPE

(X) New Single Family Residence — Maximum Number of Bedrooms: 4 — (X) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 8 — ( ) Concrete Slab Foundation
( ) Accessory Building — (X) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: — ( ) Basement without Plumbing
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:
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:**
(X) New Well ( ) Existing Well (Abandon) ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* **Year existing system installed:** ?
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: T&J Panel

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: Tim Carr — 8-7-19
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE

IREDELL COUNTY

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

APPLICATION NUMBER
247345
Issue Date: 08/08/2019

ZONING PERMIT

FILE COPY

Parcel Number	Street Address	Jurisdiction
4638595869.000	315 STUMPY CREEK ROAD, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: PETERSON DWAYNE	Applicant: CARR TIM+TRACY CARR
Address: 516 SOUTH GREEN ST	Address: 243 BAY SHORE LP
STATESVILLE, NC 28677	MOORESVILLE, NC 28117
Phone:	Phone:

Use Requested	Zone Code
SFD - DO NOT ISSUE BU UNTIL DEMO HAS BEEN ISSUED SL 8.8.19	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.780	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

Must meet both the 50-foot setback from the 760 Æ contour line and the 35-foot setback from the rear property line for any structure.

Credit ID SL 8-8-19

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.

See Attached SL

Applicant: _____ Date: _____

Permit Number	188133	TOTAL FEES:	$ 77.25

9/17/19

Faxed 9/12/13

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Alfred Kiesling Jr

Well Contractor Name (or well owner personally abandoning well on his/her property)

3266-A

NC Well Contractor Certification Number

B & K Well Drilling Inc.

Company Name

2. Well Construction Permit #: 247345

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:	
☐ Agricultural	☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply)	☒ Residential Water Supply (single)
☐ Industrial/Commercial	☐ Residential Water Supply (shared)
☐ Irrigation	
Non-Water Supply Well:	
☐ Monitoring	☐ Recovery
Injection Well:	
☐ Aquifer Recharge	☐ Groundwater Remediation
☐ Aquifer Storage and Recovery	☐ Salinity Barrier
☐ Aquifer Test	☐ Stormwater Drainage
☒ Experimental Technology	☐ Subsidence Control
☐ Geothermal (Closed Loop)	☐ Tracer
☐ Geothermal (Heating/Cooling Return)	☐ Other (explain under 7g)

4. Date well(s) abandoned: 9/12/19

5a. Well location:

Tim Carr — Facility ID# (if applicable)

Facility/Owner Name

315 Stumpy Ck.

Physical Address, City, and Zip

Brad'l — 4638-59-5869

County — Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s), if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: _____

6b. Total well depth: 35 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 20 (ft.)

6e. Outer casing length (if known): _____ (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): _____ (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: Chlorine

7d. Amount of disinfectant used: 8oz

7e. Sealing materials used (check all that apply):

☐ Neat Cement Grout	☒ Bentonite Chips or Pellets
☒ Sand Cement Grout	☐ Dry Clay
☐ Concrete Grout	☐ Drill Cuttings
☐ Specialty Grout	☐ Gravel
☐ Bentonite Slurry	☐ Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

1 BAG Hole Plug

1 BAG Concrete

7g. Provide a brief description of the abandonment procedure:

Poured + Hydrated

8. Certification:

Alfred Kiesling Jr — 9/12/19

Signature of Certified Well Contractor or Well Owner — Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.