IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 236301

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

PIN # 4639173464.000

APPLICANT/OWNER: Freddie Willis APPLICANT ADDRESS: 250 Apache Rd Troutman NC 28166

SITE ADDRESS: 250 Apache Rd Troutman NC 28166. PHONE: ALT. PHONE

SITE DIRECTIONS: Morrison Farm Rd @ on Apache Lot on Right SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: CLOSET SECTION: 18 LOT # 48 LOT AREA: .64 Acres DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	EXT	(gal)	STB	EXT	Date	EXT	☐ New System	☐ Repair	☒ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	4	Water Supply	
Pump Tank	EXT	(gal)	PT	EXT	Date	EXT	System Description:	Horizontal PP BPS (50%)			☐ Business	No. Persons	8	☒ Private	
Pump Make	EXT	Model	EXT		Serial #	EXT	Repair System Description:	Limited Drip			☐ Other	No. Employees		☐ Public	
# Nitrification Fields	1	# Lines	2		Linear Ft	90.	Maintenance Agreement Required:	YES	☒ NO		☐ Slab	☐ Crawl Space		☐ Community	
Trench Width	36	Trench Bottom Depth(Low side)	21		Gravel Depth	~	☐ GRAVITY	☒ PRESSURE			☒ Basement w/ plumbing	☐ Basement w/o plumbing			

Comments / Conditions: Wells Must be Abandoned Prior to A/C being Issued.

INITIAL SITE SKETCH

See Site Plan and Design by Michael Athanas & Associates LSS # 1252

AS BUILT SKETCH

★ 9/26/19 Checked Circuit breakers NEMA 4X box not 12" above grade Need 6" riser on PT MD

	Date	Initials
Drain Lines Checked	7-8-19	
Tanks Checked	10-3-19	PJB
Pressure Manifold or Valve Box Checked	7-8-19	
Pressure Head Set	7-8-19	
Electrical Checked	9-26-19	MD
Floats Set	10-3-19	PJB
Alarm Checked	10-3-19	PJB
Maintenance Contract Y (N)	Not Required	
Comments:		

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: Date: 7/6/18 Installed by: Al Bachner

IMPROVEMENT PERMIT by: Date: 6/18/18. OPERATION PERMIT by: Patrick Bryant Date: 10/3/19

AUTHORIZATION TO CONSTRUCT by: Date: 8/20/2018. Existing System Inspected by: Date:

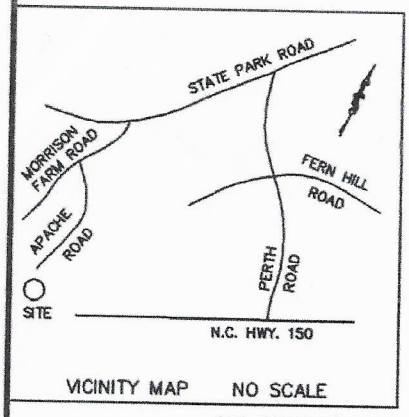
FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

	Date	Initials
Drain Lines Checked	7-8	
Tanks Checked	10/3/19	PJB
Pressure Manifold or Valve Box Checked	7-8	
Pressure Head Set	7-8	
Electrical Checked	9/26/19	MD
Floats Set	10/3/19	PJB
Alarm Checked	10/3/19	PJB
Maintenance Contract Y / (N)	10/3/19	PJB
Comments:		

plat book 13, page 50, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C. my hand and seal on the 24, day of APRIL, A.D. 20 18.

WILLIAM M. ALLEN, PLS

APPROVED JUN 15 2018



VICINITY MAP NO SCALE

LAKE NORMAN

PIER

PIER

PB. 13 PG. 50

760 CONTOUR LINE PER ACTUAL FIELD SURVEY

FIRE PIT

FLOODLINE

#4 REBAR (BENT)

1" PIPE

WOOD WALL ENCROACHES

N10°28'01"W 151.97'

CONCRETE WALK

22.6'

70.2'

DECK ABOVE PATIO BELOW

35' SETBACK

LOT 49
JUDY B.
LONGINO
2148/1193
24/120

152.22'

S80°22'00"W (BASE BEARING)

Pool

50' BUFFER FROM THE 760 CONTOUR

House Addition

1 STORY BRICK/FRAME COMP. ROOF W/BASEMENT

15'

25'

HC 8.1'

23.3'

ST

PT 12.5'

Repair Area

15'

SEPTIC TANK

Pit 4

Pit 3

LOT 48
0.64 AC.

Garage Addition

N80°46'50"E

LOT 47
NILES P.
CURRY
1632/624

35' SETBACK

Proposed Drive

B6-35'-6.0'

Pit 2

W5-50'-5.2'

Y4-50'-4.4'

O3-50'-4.0'

CONCRETE

15' SETBACK

209.41'

1" PIPE

R/W

BM 4.9'

L=63.47'
R=50.00'
(CHORD BEARING)
S21°10'38"W
59.29'

35' SETBACK

B2-50'-3.6'

Pit 1

W1-35'-3.2'

50'

CP PM

Proposed Well

(CHORD BEARING)
S74°49'41"W
49.87'

PK NAIL

S04°15'00"W
102.51'

#4 REBAR (BENT)

R/W

APACHE ROAD
60' PUBLIC R/W

NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 4/18/18) ELEVATION: 758.7'
4) OVERHEAD POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

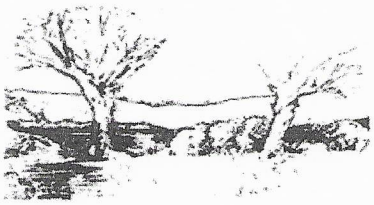
LEGEND

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

Scale 1"=40'

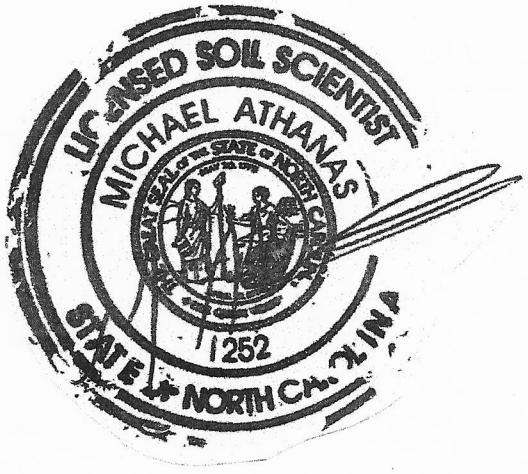
0' 20' 40' 100'

APPROVED JUN 15 2018



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 250 Apache Rd, CL&T Sec 18, Lot 48
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.125 GPD/FT2 (repair)
Proposed System Type: Horizontal PPBPS
Proposed Repair System Type: Limited Drip Irrigation
Distribution: Pressure manifold
Flow per Tap: 2 @ 5.48 GPM, 4 @ 7.11 GPM
Tap Size and Material: 2 @ ½" SCH 80, 4 @ ½" SCH 40
System Flow: 39.4 GPM
Dosing Volume: 216 gallons
Pump Run Time: 5.5 minutes
Elevation Head: 14.3'
Friction Head: 3.1'
Pressure Head: 2'
Total Dynamic Head: 19.4'
Supply Line Length: 100' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons (existing)
Proposed Trench Bottom: 21"



Line	Design Length	# of Panels	Actual Length	Elevation
White 1	35'	8	40'	3.2'
Blue 2 (ex)	50'	11	50'	3.6'
Orange 3 (ex)	50'	11	50'	4.0'
Yellow 4 (ex)	50'	11	50'	4.4'
White 5 (ex)	50'	11	50'	5.2'
Blue 6	35'	8	40'	6.0'

Initial System: 270'
Pump Tank: 12.5' (top of tank)
Benchmark: 4.9' (top of flat iron)

Repair System: 1100 FT2
House Corner: 8.1'

Comments:

This lot has a 3 bedroom PPBPS system. MA&A are proposing to expand the system to 4 bedrooms. This lot was deeded on 5/5/1976. Supply lines should be 5' from the property lines. The supply line must be at least 30" below the proposed driveway. Current wells will be abandoned and a new well installed.

PROPERTY ID #:4639173464
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED JCK 1 5 2018

OWNER: Freddie Willis
ADDRESS: 250 Apache Rd, Troutman, NC 28166
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 250 Apache Rd, CL&T Sec 18, Lot 48
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.64 AC
PROPERTY RECORDED: 5/5/1976

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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 5%	0-5	Br CL WSBK	FR SS SP SXP	N/A	60"	F-C SAP	N/A	PS 0.3 ✓
		5-24	R C SBK	FR SS SP SXP					
		24-60	R CL WSBK	FR SS SP SXP					
2	LS 7%	0-9	Br CL WSBK	FR SS SP SXP	N/A	38"	F-C SAP PS	N/A	PS 0.3 ✓
		9-24	R C SBK	FR SS SP SEXP					
		24-38	R CL WSBK	FR SS SP SXP					
		38-63	VER L SAP M	FR SS SP SXP					
3	LS 10%	0-9	Br CL WSBK	FR SS SP SXP	N/A	53"	F-C SAP PS	N/A	PS 0.3 ✓
		9-26	R C SBK	FR SS SP SXP					
		26-53	R CL WSBK	FR SS SP SXP					
		53-67	VER SL SAP M	FR SS SP SXP					
4	LS 10%	0-6	Br CL WSBK	FR SS SP SXP	N/A	29"	F-C SAP PS	N/A	PS 0.3 ✓
		6-29	R C SBK	FR SS SP SXP					
		29-40	VER L SAP M	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	210 FT2 add	1100 FT2
System Type(s)	Hor PPBPS	DRIP
Site LTAR	0.3	0.125

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

RECEIVED JUN 8 - 2017

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $350.00 #236301

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) 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 Paid $500.00 7-6-18

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 ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

****

Applicant Information: (PRINT CLEARLY)

Applicant Name: Freddie Willis **Address:** 250 Apache Rd, Troutman, NC **Zip:** 28166

Applicant Email: _____ **Phone:** Wyatt Clark-704-361-1085 **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

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

****

Property Information:

Street Address: 250 Apache Rd

Subdivision Name: CL&T **Section/Phase:** 18 **Lot Number:** 48

Driving Directions: _____

****

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

CHECK FOUNDATION TYPE

( ) 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: _____

( ) 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:** _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative (✓) Modified Conventional ( ) Other: _____

****

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

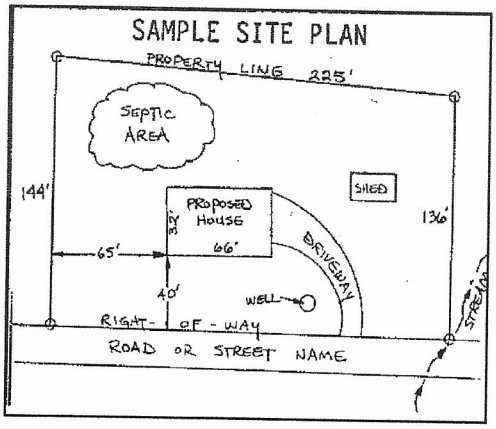
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

( ) Property Line measurements are clearly identified
( ) All proposed structures are indicated
( ) Front and side setbacks from property line
( ) Preferred driveway location
( ) Preferred well location
( ) Preferred septic system location
( ) 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

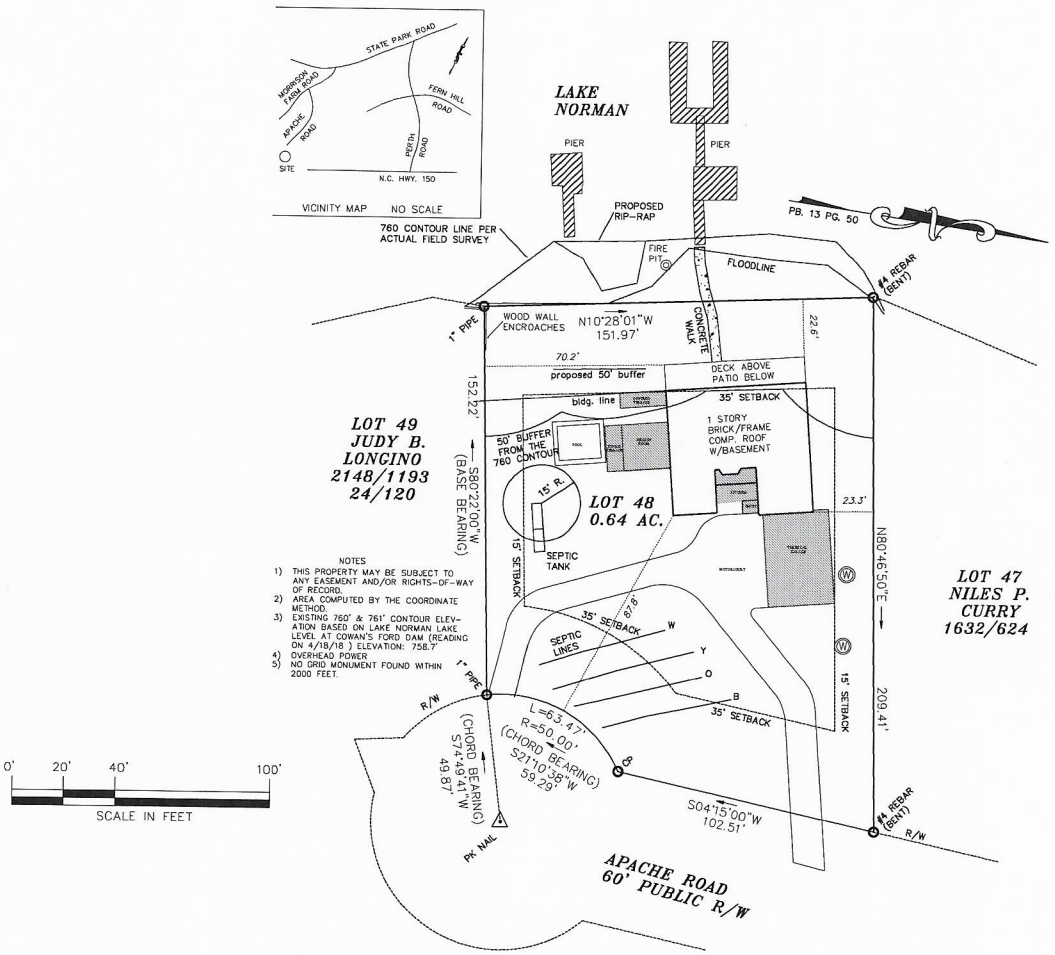
USE THIS SPACE TO DRAW YOUR SITE PLAN

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 plan

Signature: _____ _____

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



A SITE PLAN

SCALE :: 1" = 20'

DESIGNED BY:
ashley j design
custom homes and renovations
P.O. BOX 5423 CHARLOTTE, NC 28299
www.ashleyjdesign.com
704-358-0631

BUILT BY:
WAC Building Since 1980
CONTRACTING, INC.

Project Name/Address:
RENOVATION DESIGN FOR THE WILLIS FAMILY

250 APACHE RD.
TORRENCE, NC 28166

Job Number:
WILLIS-10-2018

Date	Revision
6.19.18	BLOCKOUTS
6.28.18	PRESENTATION V1
7.9.18	V2 / TO ENGINEER
8.7.18	V2 / TO ENGINEER

SITE PLAN

A.2

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

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.

I, Freddie L Willis, am the legal owner(s) of the property located at 250 Apache Road Troutman, NC, identified as PIN (Parcel Identification Number) 4639173464, located in Iredell County, North Carolina.

I do hereby authorize (print legal representative/company name) Michael Athanas & Associates WAC Contracting, 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.

5/31/18

Signature of Owner(s) Date | Signature of Witness Date

Please return this signed form to the appropriate office:

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

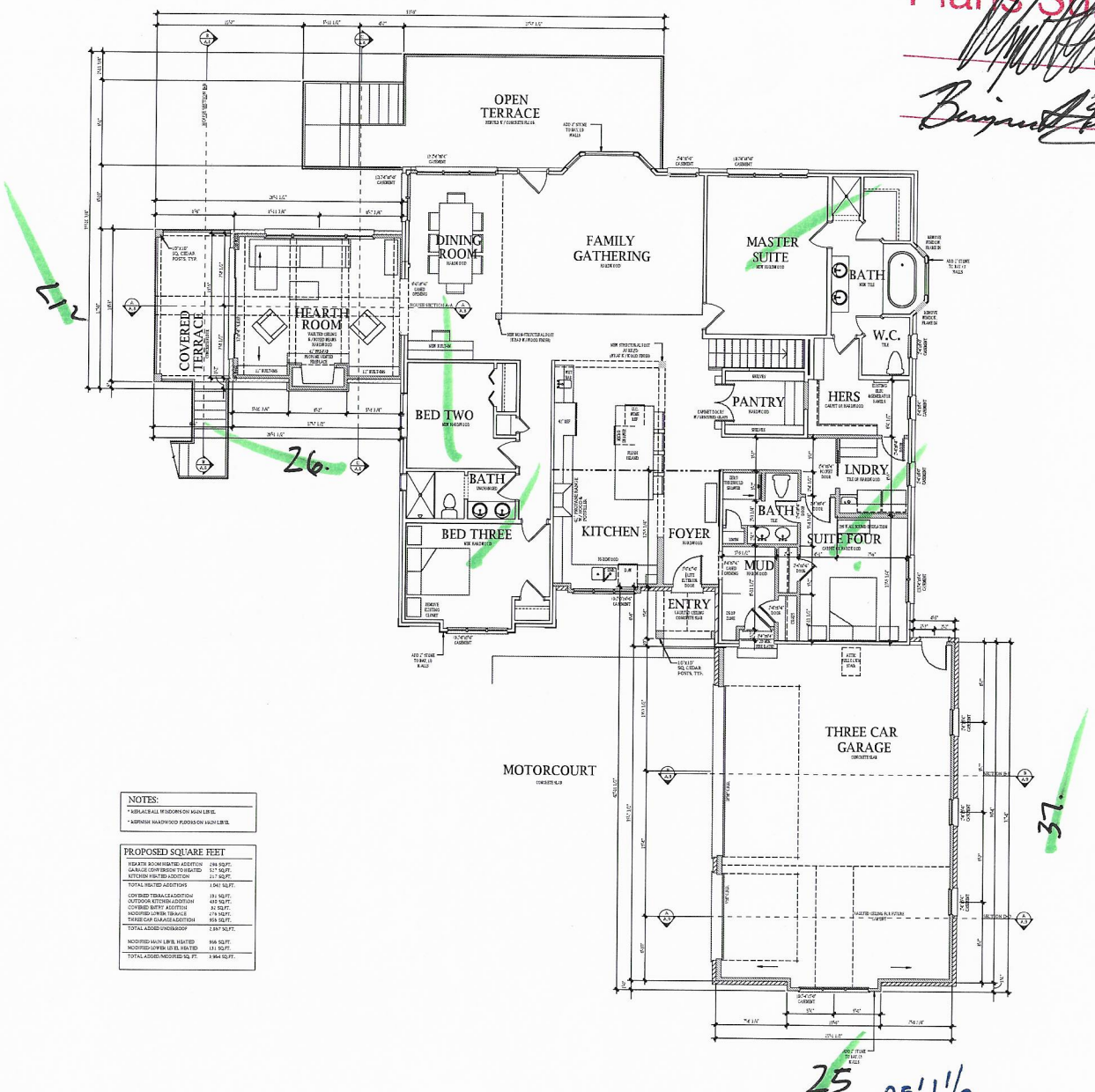
349 N. Center Street, Statesville, NC 28677

Z:Shared/EH_Admin/Forms/OSWP/Document to Authorize

Acknowledgement Of Plans Submittal ONLY!

Date 8/20/18

Date 8/20/18.



NOTES:

* REPLACE ALL WINDOWS ON MAIN LEVEL
* REFINISH HARDWOOD FLOORS ON MAIN LEVEL

PROPOSED SQUARE FEET	
HEARTH ROOM HEATED ADDITION	286 SQ.FT.
GARAGE CONVERSION TO HEATED	527 SQ.FT.
KITCHEN HEATED ADDITION	227 SQ.FT.
TOTAL HEATED ADDITIONS	1,041 SQ.FT.
COVERED TERRACE ADDITION	131 SQ.FT.
OUTDOOR KITCHEN ADDITION	48 SQ.FT.
COVERED ENTRY ADDITION	82 SQ.FT.
MODIFIED LOWER TERRACE	174 SQ.FT.
THREE CAR GARAGE ADDITION	956 SQ.FT.
TOTAL ADDED UNDERROOF	1,867 SQ.FT.
MODIFIED MAIN LEVEL HEATED	906 SQ.FT.
MODIFIED LOWER LEVEL HEATED	131 SQ.FT.
TOTAL ADDED MODIFIED SQ. FT.	3,904 SQ.FT.

A PROPOSED MAIN LEVEL FLOOR PLAN

SCALE :: 1/4" = 1'-0"

DESIGNED BY:

ashley j design
custom homes and renovations
P.O. BOX 5423 CHARLOTTE, NC 28299
www.ashleyjdesign.com
704-655-0631

BUILT BY:

WAC CONTRACTING, INC. Building Since 1980

Project Name/Address:
RENOVATION DESIGN FOR THE WILLIS FAMILY

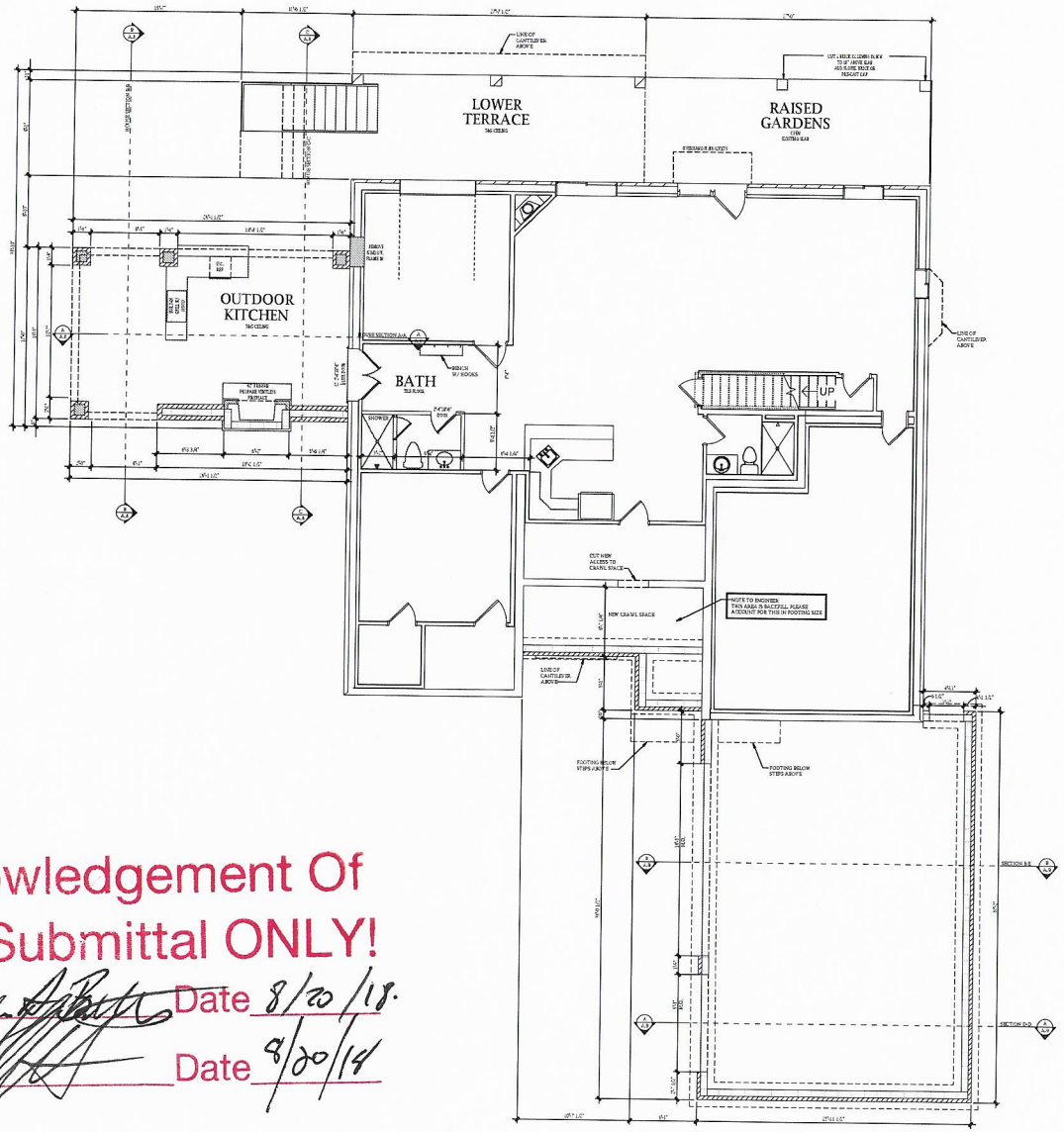
250 APACHE RD.
TORRENCE, NC 28166

Job Number:
WILLIS-10-2018

Date	Revision
6.19.18	BLOCKOUTS
6.26.18	PRESENTATION VI
7.6.18	V2 / TO ENGINEER
8.7.18	V2 / TO ENGINEER

PROPOSED MAIN LEVEL FLOOR PLAN

A.4



Acknowledgement Of
Plans Submittal ONLY!

Date 8/20/18.

Date 8/20/18

A PROPOSED LOWER LEVEL FLOOR PLAN
SCALE :: 1/4" = 1'-0"

DESIGNED BY:
ashley j design
custom homes and renovations
P.O. BOX 5423 CHARLOTTE, NC 28299
www.ashleydesign.com
704-858-6031

BUILT BY:
WAC CONTRACTING, INC.
Building Since 1980

Project Name/Address:
RENOVATION DESIGN FOR THE WILLIS FAMILY

250 APACHE RD.
TORRENCE, NC 28166

Job Number:
WILLIS-10-2018

Date	Revision
6.9.18	BLOCKOUTS
6.18.18	PRESENTATION V1
7.6.18	V2 / TO ENGINEER
8.7.18	V2 / TO ENGINEER

PROPOSED LOWER LEVEL FLOOR PLAN

A.3

IREDELL COUNTY

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

APPLICATION NUMBER
236301
Issue Date: 06/07/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4639173464.000	250 APACHE ROAD, TROUTMAN, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: WILLIS FREDDIE L+GLORIA M	Applicant: MICHAEL ATHANAS & ASSO
Address: 250 APACHE ROAD	Address: 561 ENNIS RD
TROUTMAN, NC 28166	WEDDINGTON, NC 28173
Phone:	Phone: 704-576-3887

Use Requested	Zone Code
	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.640	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

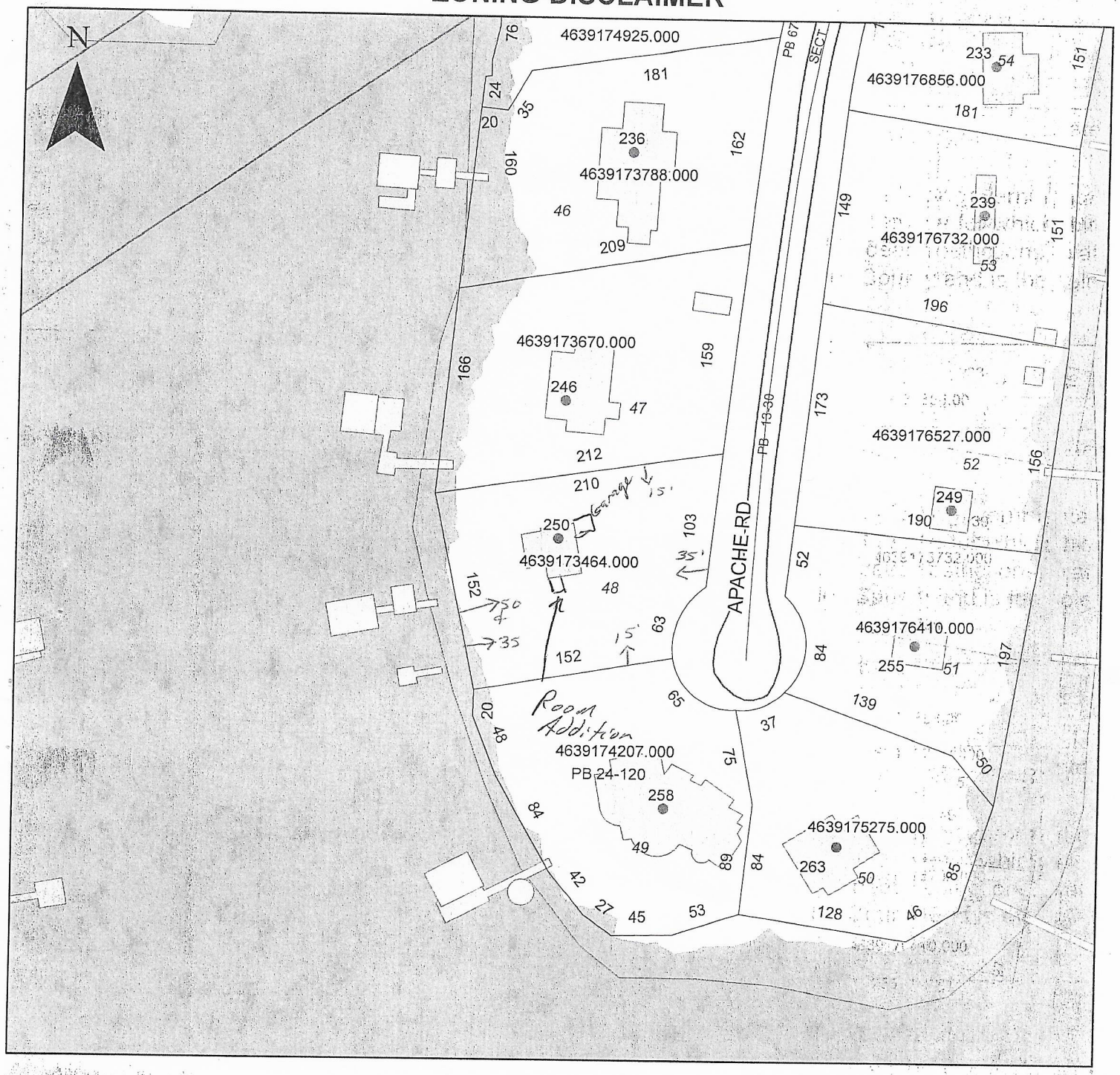
Lake Lots: Must meet both the 50-foot setback from the 760 Æ contour line and the 35-foot setback from the rear property line for any structure

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: _____ Date: _____

Permit Number	141614	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 250 Apache Rd.

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.

Applicant

6/7/2018
Date