ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 306790

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

PIN # 4649434597.000

APPLICANT/OWNER: Aaron Peel | APPLICANT ADDRESS: 134 English Ivy Ln, Mooresville, NC 28117

SITE ADDRESS: 176 Fern Hill Rd Troutman NC 28166 | PHONE: — | ALT. PHONE 704-576-3887 (LSS)

SITE DIRECTIONS: Perth Rd, Right on Fern Hill Lot on Left | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Hobbs Creek | SECTION: — | LOT # 1 | LOT AREA: .805 Acres | DESIGN FLOW: 600gpd | L.T.A.R.: .325

Septic Tank 1500 (gal)	STB 9164	Date 7/30/21	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 5	Water Supply
Pump Tank ~~1500~~ 1250 (gal)	PT 389	Date 7/23/21	System Description: LP - PPBPS - 50% Reduction		☐ Business	No. Persons 10	☑ Private
Pump Make	Model	Serial #	Repair System Description: TS-II Drip (.125 LTAR).		☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 5	Linear Ft 310	Maintenance Agreement Required: ☐ YES ☐ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width	Trench Bottom Depth (~~Deepest~~)	36 in max Gravel Depth	☐ GRAVITY ☒ PRESSURE		☐ Basement w/ plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Do not Cut or Install Drainage for Accessory Structure
Maintain 15ft Setback from House with Tank and Drainlines if Drainage is installed

INITIAL SITE SKETCH

See attached Plan by:

Michael Athanas + Associates
LSS
Dated 5-6-2020

AS BUILT SKETCH

Drainlines ✓
Tanks ✓
Manifold ✓
CW 9/20/21

12/13/21
BB.
Pressurehead
Floats
Alarm
Electrical

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: Acknowledgment Received | Date: 5-13-202 | Installed by: Dynasty Grading + Septic

IMPROVEMENT PERMIT by: Benjamin D Butler | Date: 5-6-2020 | OPERATION PERMIT by: Benjamin D Butler | Date: 12/13/2021.

AUTHORIZATION TO CONSTRUCT by: [signature] | Date: 8/18/20 | 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.

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent Promote Protect
Iredell County Health Department

ACKNOWLEDGEMENT OF ACCEPTANCE OF PERMIT DESIGN AND CONDITIONS

Any permit requiring a signature must have this form signed by the property owner or their authorized agent. Once this form is signed and returned to Environmental Health an official copy of the permit will be emailed to the email that you provide.

I, Aaron Peel, am the legal owner or the agent of the property located at 176 Fern Hill Road, identified as PIN(Parcel Identification Number) 4649434597.000, located in Iredell County, North Carolina.
Permit # 306790.

I do hereby agree to the permit design and the conditions of this permit.

Aaron Peel — 5/7/20
Signature of Owner — Date

[signature] — 5.7.20
Signature of Witness — Date

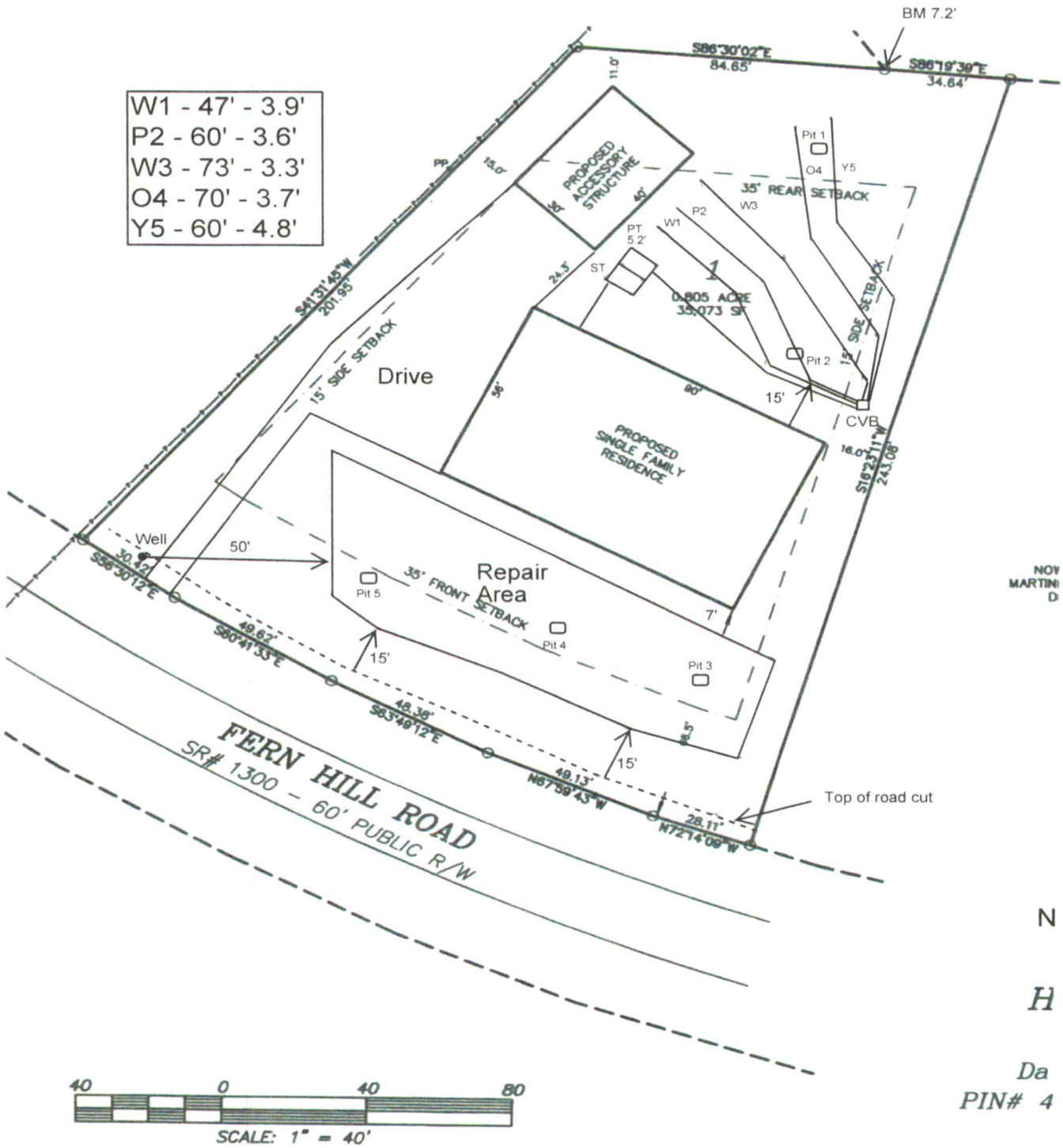
aaronpeel@bellsouth.net
email

Central Office (Health Dept.)
318 Turnersburg Hwy
Statesville, NC 28625
704 878-5300

Mooresville – Environmental Health
610 E. Center Avenue
Mooresville, NC 28115
704 663-3625

Statesville - Environmental Health
349 N. Center Street
Statesville, NC 28677
704 878-5305 x3456

http://www.co.iredell.nc.us/Departments/Health/



APPROVED MAY 0 6 2020



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887
3/31/2020

Reference: Data Sheet for 176 Fern Hill Rd, Hobbs Creek Lot 1
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 5/600 GPD
Proposed LTAR: 0.325 GPD/FT^2 (initial), 0.125 GPD/FT^2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: Pretreatment Drip Dispersal
Distribution: Low Pressure - CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 29.5 GPM
Dosing Volume: 259.2 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 6.9'
Friction Head: 1.4'
Pressure Head: 2'
Total Dynamic Head: 10.3'
Supply Line Length: 75' of 2" PVC
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 36" (initial), 6" (repair)

APPROVED MAY 06 2020

Line	Design Length	# of Panels	Actual Length	Elevation
White 1	47'	11	47'	3.9'
Pink 2	60'	14	60'	3.6'
White 3	73'	17	90'	3.3'
Orange 4	70'	16	76'	3.7'
Yellow 5	60'	14	66'	4.8'

Initial System: 310' **Repair System:** 4800+ FT^2
Pump Tank: 5.2' **House Corner:** 3.6' **Benchmark:** 7.2'

Comments:

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

Sheet 1 of 1
PROPERTY ID #: 4644434507
COUNTY: Iredell

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

OWNER: Aaron Peace
ADDRESS: 134 English Ivy Ln Mooresville NC 28117.
PROPOSED FACILITY: 4 BR Home. PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 176 From Hill Rd 7 MN
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE: 4-20-2020
DATE EVALUATED: 4-21-2020
PROPERTY SIZE: .805 Acres
PROPERTY RECORDED: Yes.
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 1	Ridge 3-5%	0-5	SC MSBa	SS SP FR VFI	2.5YR 4/6		Lithic Mottles	—	PS .5-.55
		5-25	C SBK	SS SP FR					
		25-50	CL WSBK	SS SP VFR					
I 2	Ridge 3-5%	0-24	C SBK	SS SP FR SFP	2.5YR 4/6	52	—	Mica.	PS .5-.55
		24-52	CL WSBK	SS SP VFR					
3 R	Side	0-11	SC FVFR SBK	WSBK		22 to Rock	→	→	Drip .1 Max 18"
		11-22	SC VFR	GR/WSBK					
		22+	Rock Controlled	VFM Variegated					
R 4	Side.	0-18	C		Variegated	18 to Rock.	→	→	Drip .1 Max 48"
		18-36	Rock Controlled	VFM					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	IV	V
System Type(s)	50% LPP-Pond	TS-II Drip.
Site LTAR	.325	.125

OTHER FACTORS (.1946): Pondfire.
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bottins
OTHER(S) PRESENT: C. McNeely.

COMMENTS:

Updated February 2014

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #:4649434597_____
DATE OF EVALUATION: _____
COUNTY: __IREDELL____

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	
PIT 5	LS 5%	0-3	Br SCL WSBK	FR SS SP SXP	Few Mn CHR 2 @ 27"	27"	N/A	N/A	PS 0.275
		3-27	R C SBK	FR SS SP SXP					
AB 1	LS 5%	0-18	R C SBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3-0.35
		18-48	R CL WSBK	FR SS SP SXP					

COMMENTS: _____

RECEIVED APR 2 0 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM Paid $350.00 AP- 306790

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

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: Aaron Peel **Address:** 134 English Ivy Ln, Mooresville, NC **Zip:** 28117

Applicant Email: aaronpeel@bellsouth.net **Phone:** _____ **Alt. Phone:** _____

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

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

Property Information:

Street Address: 176 Fern Hill Rd

Subdivision Name: Hobbs Creek **Section/Phase:** _____ **Lot Number:** 1

Driving Directions: _____

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

CHECK FOUNDATION TYPE

(✓) New Single Family Residence — Maximum Number of Bedrooms: 5 — (✓) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: _____ — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) 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: _____

(✓) 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: _____ 4/14/2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

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, Aaron Gray Peel, Jr, am the legal owner(s) of the property located at 176 Fernhill Road Troutman, NC 28166, identified as PIN (Parcel Identification Number) 4649434597.000, located in Iredell County, North Carolina.

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

Aaron Gray Peel, Jr. 4/6/20 — Signature of Owner(s) — Date

[signature] 4.6.20 — Signature of Witness — Date

Please return this signed form to the appropriate office:

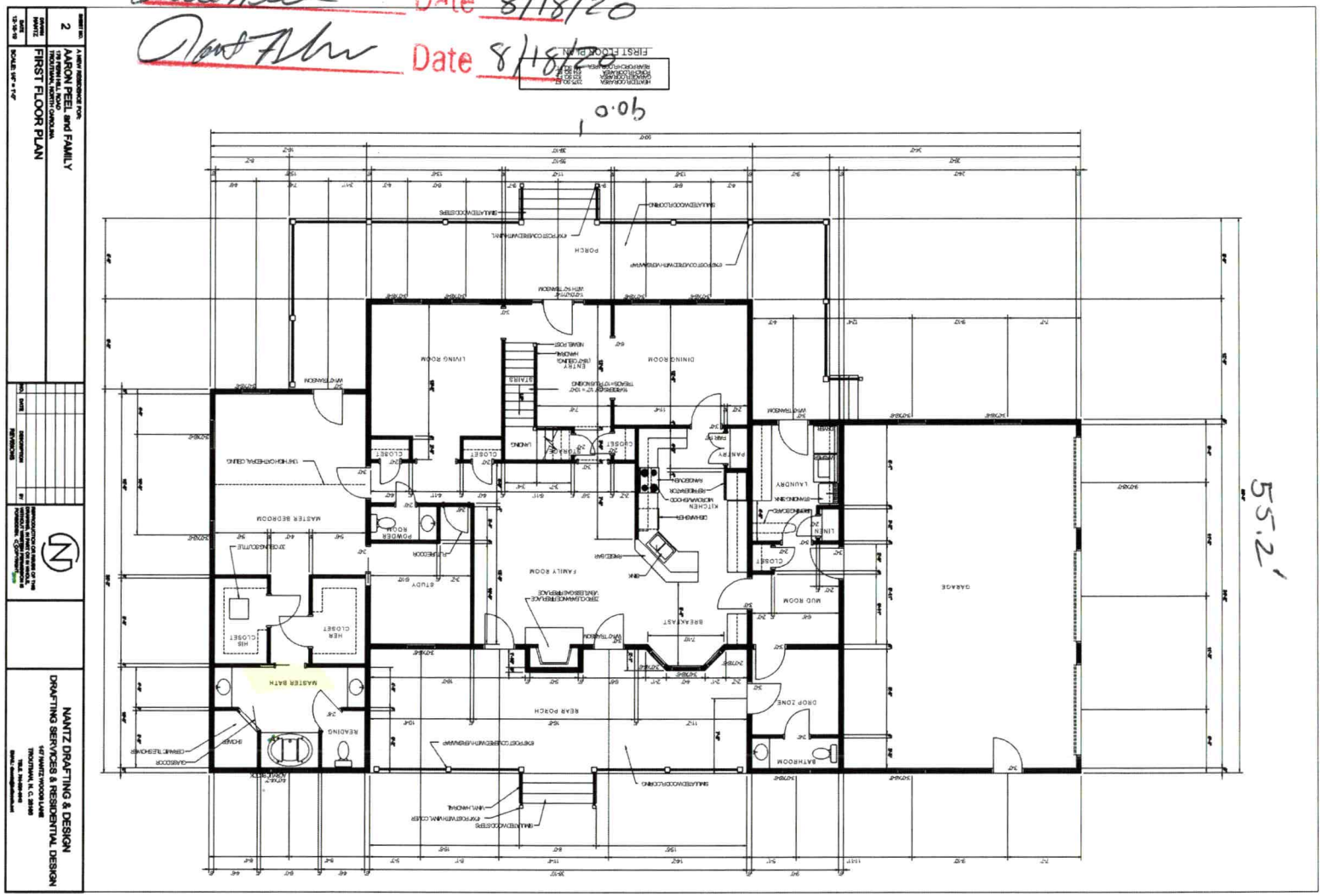
Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

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

Acknowledgement Of
Plans Submittal ONLY!

Date 8/18/20

Date 8/18/20



2

AARON PEEL and FAMILY
A NEW RESIDENCE FOR:
125 PERRIN HILL ROAD
TROUTMAN, NORTH CAROLINA

FIRST FLOOR PLAN

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

DRAWN: NANTZ
DATE: 12-16-19

NANTZ DRAFTING & DESIGN
DRAFTING SERVICES & RESIDENTIAL DESIGN

Acknowledgement Of Plans Submittal ONLY!

Date 8/18/20

Date 08/18/20

IREDELL COUNTY · NC

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

APPLICATION NUMBER
306790 Issue Date: 04/16/2020

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4649434597.000	176 FERN HILL RD	Iredell County

Owner Information	Applicant Information
Name: PEEL AARON G JR	Name: MICHAEL ATHANAS & ASSOCIATES
Address:	Address: 561 ENNIS RD WEDDINGTON, NC 28173
Phone:	Phone: (704)576-3887

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0	35	35	15	15	WSIV-CA Catawba/Lake Norman	NO

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.

Date: 04/16/2020

Signature of Owner/Contractor

Permit Number	306790	TOTAL FEES:	$77.25