ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP 315105

PIN # 4722269 -- 2202

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

APPLICANT/OWNER: Freedom Homes - Alejmael Rosario | APPLICANT ADDRESS: 1124 Charlotte Hwy Troutman, NC 28166

SITE ADDRESS: 212 Winding Cedar Dr Statesville, NC 28677 | PHONE: 704884-2326 | ALT. PHONE

SITE DIRECTIONS: Front St W. TL Buffalo Shoals TL Davidson Drive 2nd rt onto Winding Cedar on rt. | SAP CONTROLLED: [X] YES [ ] NO

SUBDIVISION: Davidson Woods | SECTION: 3 | LOT# 45 | LOT AREA: 1.07 Ac | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank	1000	(gal)	STB	760	Date	8-11-21	[X] New System	[ ] Repair	[ ] Expansion	System Type: I II III IV V VI	
Pump Tank	1000	(gal)	PT	363	Date	8-4-21	System Description:	Pump - LP - Panel Block (Hart)			
Pump Make			Model		Serial #		Repair System Description:	Same			
# Nitrification Fields	1		# Lines	3 @ 80' ea	Linear Ft	240	Maintenance Agreement Required:	[X] YES	[ ] NO		
Trench Width	36"		Trench Bottom Depth (Low side)	33"	Gravel Depth	N/A		[ ] GRAVITY	[X] PRESSURE		

[X] Residence | No. Bedrooms 3 | [ ] Business | No. Persons 6 | [ ] Other | No. Employees | [ ] Slab | [X] Crawl Space | [ ] Basement w/ plumbing | [ ] Basement w/o plumbing

Water Supply: [X] Private [ ] Public [ ] Community

Comments / Conditions: Per plan by max Coddle Creek Soil Consulting.

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Steve Cannon

LSS # 1291

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.

	Date	Initials
Drain Lines Checked	10-20-21	
Tanks Checked	10-20-21	
Pressure Manifold or Valve Box Checked	10-20-21	
Pressure Head Set	10-21-21	
Electrical Checked	10-21-21	
Floats Set	10-21-21	
Alarm Checked	10-21-21	
Maintenance Contract (Y) N	10-21-21	
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.* [X] IMPROVEMENT PERMIT *with site plan valid for 60 mos.* [X] AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 4/20/21

IMPROVEMENT PERMIT by: [signature] Date: 4/17/21

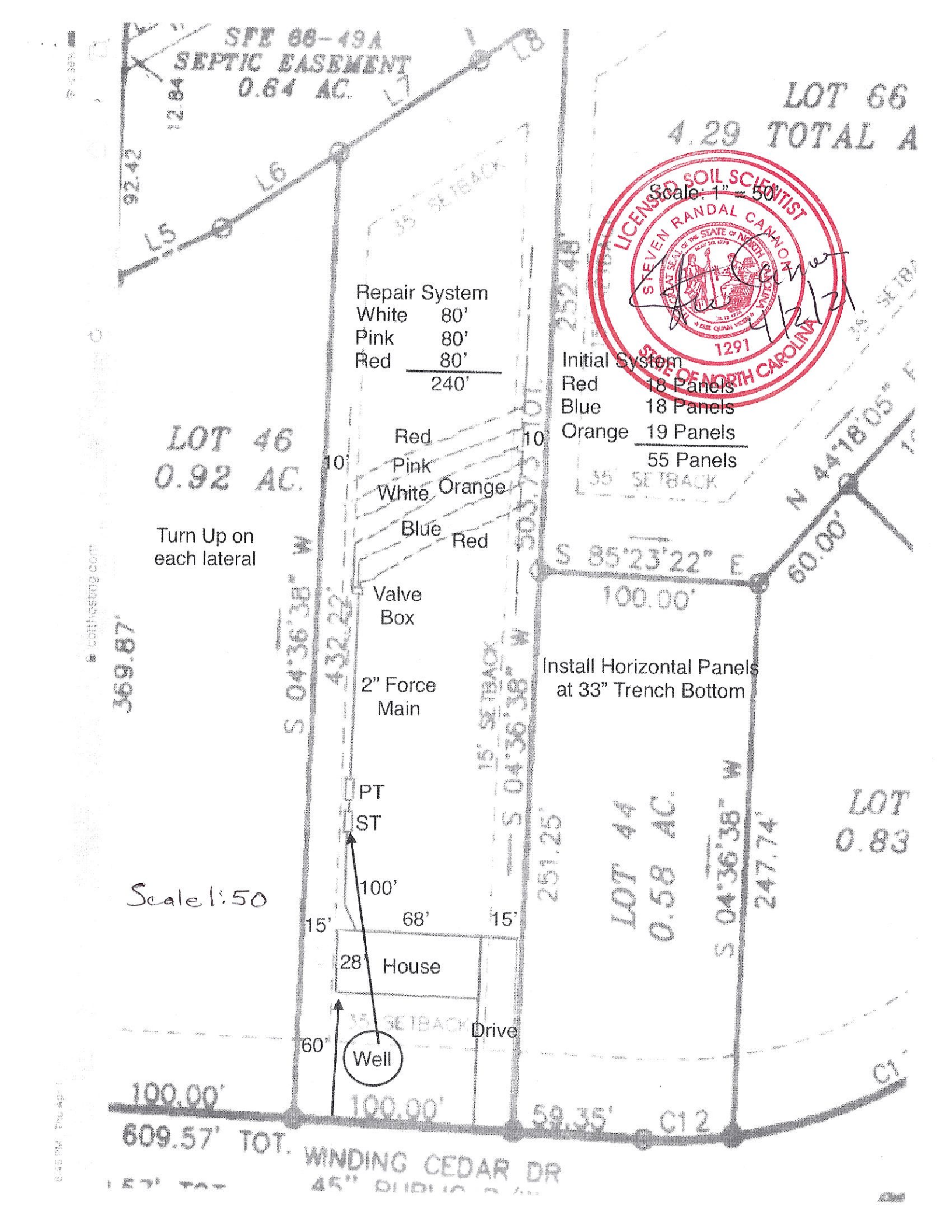
AUTHORIZATION TO CONSTRUCT by: [signature] Date: 4/17/21

Installed by: Craig Thompson Grading

OPERATION PERMIT by: [signature] Date: 10-21-2021

Existing System Inspected by: Date:

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


SFE 88-49A
SEPTIC EASEMENT
0.64 AC.
LOT 66
4.29 TOTAL A
LICENSED SOIL SCIENTIST
STEVEN RANDAL CANNON
STATE OF NORTH CAROLINA
1291
Scale: 1" = 50'
Repair System
White 80'
Pink 80'
Red 80'
240'
Initial System
Red 18 Panels
Blue 18 Panels
Orange 19 Panels
55 Panels
LOT 46
0.92 AC.
Red
Pink
White Orange
Blue
Red
Turn Up on each lateral
Valve Box
2" Force Main
Install Horizontal Panels at 33" Trench Bottom
PT
ST
Scale 1:50
100'
15'
68'
15'
28'
House
Drive
60'
Well
LOT 44
0.58 AC.
LOT
0.83
100.00'
609.57' TOT.
WINDING CEDAR DR
S 04°36'38" W
S 85°23'22" E
N 44°18'05"
60.00'
100.00'
369.87'
432.22'
251.25'
247.74'
252.45'
92.42'
12.84'
35' SETBACK
15' SETBACK
10'
L5
L6
L7
L8
C12
59.35'

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

April 2, 2021

Iredell County Environmental Health
349 North Center Street
Statesville, North Carolina 28677

Subject: Recommended Wastewater Disposal System
Pin # 4722692202
212 Winding Cedar
Statesville, North Carolina 28677
Freedom Homes

To Whom It May Concern:

Enclosed you will find a copy of the wastewater disposal system proposed for Freedom Homes. The property is located at 212 Winding Cedar Lot 45 described as Pin # 4722692202. Attached are sealed soil notes as well as site plans and designs for a on-site wastewater disposal system. This design is submitted under Session Law 2018-114 (HB 374). Please review the enclosed document presented to you. Please contact me for concerns regarding the wastewater disposal system design.

"The LSS Evaluation attached to this application is used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.©."

Freedom Homes

Signature: _____

"The LSS Evaluation is submitted pursuant to and meeting requirements of SL 2018-114 Section 11.©."

Steve Cannon, LSS

Signature: _____

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.

Remove trees by cutting at ground level. Do not dig out stump if at all possible.

Do not grade or skim area of septic system. Leave this area alone as is.

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.

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 approval or local county environmental health.

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

Design Calculations for Wastewater System

Applicant: Freedom Homes
212 Winding Cedar
Statesville, North Carolina 28677
Pin # 472692202
Lot: 45
Acres: 1.07
Iredell County, North Carolina

Source of Wastewater Flow	3 Bedroom House
Source of Water	Private Well
Estimated Daily Flow	360 gallons/day
Wastewater Treatment System	Horizontal PPBPS
Number of Panels	55 Panels
Dosing Volume Per Panel	4 gallons
Dosing Volume	220 gallons
Estimated Supply Length	80 feet
Supply Line Diameter	2 inch Sch 40 PVC
Supply Line Volume	13.92 gallons
Anti-Siphon Hole	Yes 3/16"
Distribution	LPP
LPP Laterals	1 1/4" pvc laterals
Flow per Orifice	.59 g/m
Orifice Size	3/16"
System Flow	32.14 g/m
Pressure Head	2 feet
Friction Head	1.21 feet
Elevation Head	7 feet
Total Dynamic Head	10.21 feet
Pump Tank Drawdown (may vary)	20.16 gallons per inch
Gate Valve	In tank
Check Valve	2 (1 in tank) (1 at manifold)
Threaded Union	In tank

Design Specifications for Proposed Wastewater Systems

Applicant: Freedom Homes
212 Winding Cedar
Statesville, North Carolina 28677
Pin # 4722692202
Lot: 45
Acres: 1.07
Iredell County, North Carolina

Source of Water Flow	3 Bedroom House
Source of Water	Private Well
Wastewater Treatment Systems	Horizontal PPBPS
Septic Tank	1000 gallons
Pump Tank	1000 gallons
Estimated Daily Flow	360 gallons/day
Number of Panels	55 Panels
Loading Rate : Initial	.25 g/d/sq.ft.
Drainfield Size : Initial	240 feet
Trench Bottom Depth : Initial	33 inches
Slope: Initial	18 percent
Slope Correction:	7 inches
Distribution	LPP
Loading Rate : Repair	.25 g/d/sq.ft
Drainfield Size : Repair	240 feet Accepted
Trench Bottom Depth: Repair	33 inches
Slope: Repair	18 percent
Slope Correction:	7 inches

Total Flow Through Orifices	32.14 g/m
Pump Time to Dose 220 gallons	6m 48s
Pump Time to Dose 360 gallons	11m 12s
Pump	Goulds WEO3L
Floats	SJE Sensor Float
Control Panel	SJE Rhombus Model 112 (Nema 4X Control Panel)
Alarm	RJE Rhombus Tank Alert I
Pump Block	4 inches
Pump Height	12 inches
Approximate Gallons at 16 inches in Pump Tank	322.56 gallons
Gallons between float on and alarm on	120.96 gallons
Tank Draw Down	10.9" or 10 7/8"
Pump Float On	26.9" or 26 7/8' off tank bottom
Alarm On	32.9" or 32 7/8" off tank bottom
Storage After Alarm Sounds	336 gallons (22 hrs)

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: Iredell

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

P.W # 4726922202

OWNER: Freedom Homes
ADDRESS: Hwy 115 Troutman, NC
PROPOSED FACILITY: House
LOCATION OF SITE: 212 Windy Cedar Statesville NC
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
PROPOSED DESIGN FLOW (.1949): 360
APPLICATION DATE: ___
DATE EVALUATED: 4/1/21
PROPERTY SIZE: ___
PROPERTY RECORDED: ___
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

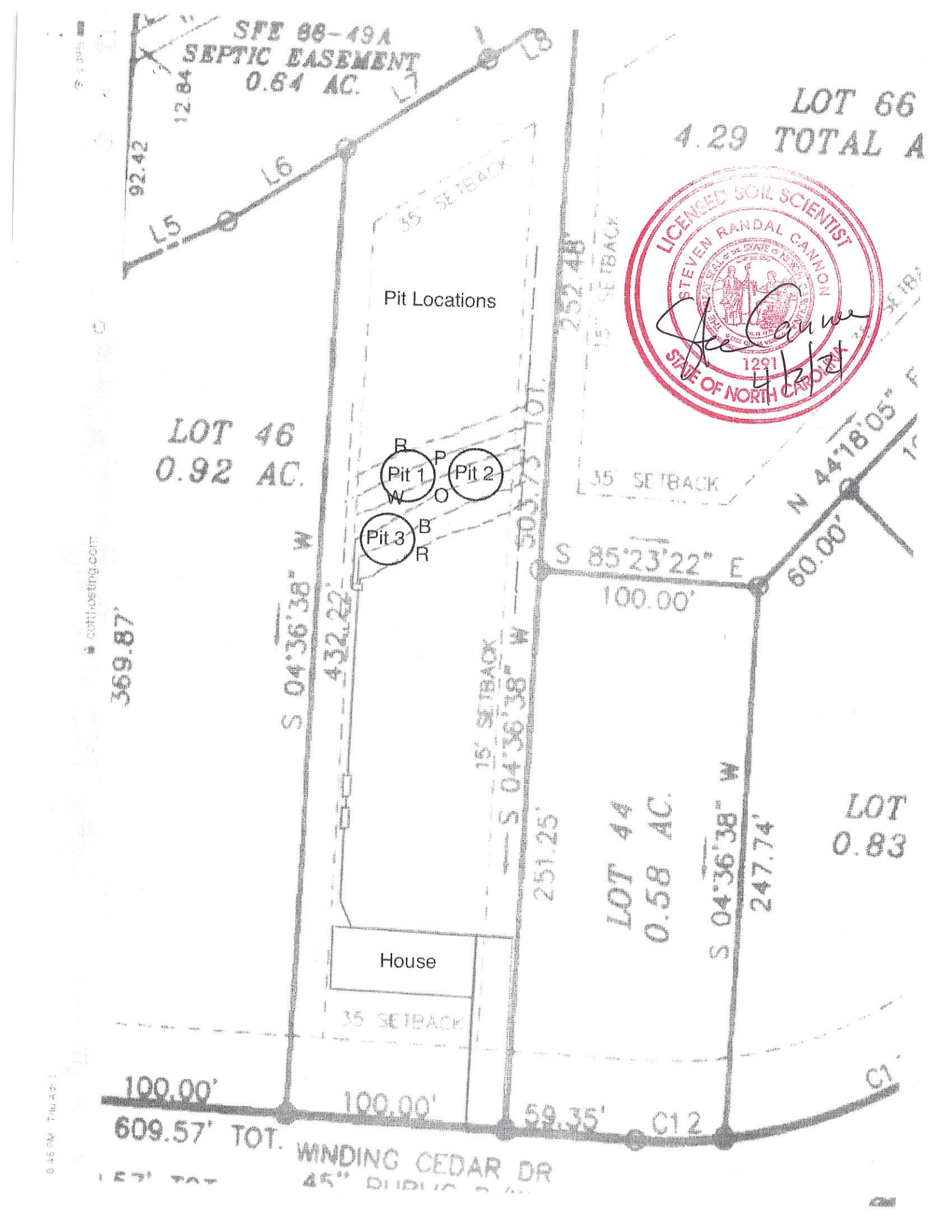
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZON	PROFILE CLASS & LTAR
Pit 1	L 18%	0-4"	L gr	NS np					PS .25
		4"-34"	C ssl	s p fi					
		34-50"	C wssl	s p fi					
		50-60"	sap m L						
Pit 2	L 18%	0-6"	L gr	NS np		60"			PS .25
		6"-42"	C ssl	s p fi					
		42-60"	C wssl	s p fi					
Pit 3	L 18%	0-3	L gr	NS np		29"			PS .25
		3-29"	C ssl	s p fi					
		29"-40"	sap L m						
		40"-48"	CL wssl	s p fi					
4									

LICENSED SOIL SCIENTIST — STEVEN RANDAL CANNON — 291 — STATE OF NORTH CAROLINA — 4/29/21

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	✓	✓
System Type(s)	H. PPBPS	H. PPBPS
Site LTAR	.25	.25

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Steve Cannon, LSS
OTHER(S) PRESENT: ___

COMMENTS: TRench Bottom 33"


SFE 88-49A
SEPTIC EASEMENT
0.64 AC.
12.84'
92.42'
L5
L6
L7
C8
LOT 66
4.29 TOTAL A
35' SETBACK
252.48'
LICENCED SOIL SCIENTIST
STEVEN RANDAL CANNON
1291
STATE OF NORTH CAROLINA
Pit Locations
LOT 46
0.92 AC.
B
P
Pit 1
Pit 2
W
O
Pit 3
B
R
N 44°18'05" E
60.00'
S 85°23'22" E
100.00'
369.87'
S 04°36'38" W
432.22'
50.00'
15' SETBACK
S 04°36'38" W
251.25'
LOT 44
0.58 AC.
S 04°36'38" W
247.74'
LOT
0.83
House
35' SETBACK
100.00'
100.00'
59.35'
C12
C1
609.57' TOT.
WINDING CEDAR DR
45' PUBLIC

RECEIVED FEB 2 4 2021

9/26/21 Talked w/ Kim about scheduling PITs

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-315105 $500.00

Application For: (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit (X) 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 ISA 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: Freedom Homes/Kimberly Frye **Address:** 1124 Charlotte Hwy Troutman NC **Zip:** 28166

Applicant Email: Kimspeed_Speed04@gmail **Phone:** 704-881-2326 **Alt. Phone:** _____

Owner Name: Alexander Santiago Rosario **Address:** 231 Edgewood Rd Statesville, NC **Zip:** 28625

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

Property Information:

Street Address: 212 Winding Cedar Drive Statesville, NC 28677

Subdivision Name: _____ **Section/Phase:** _____ **Lot Number:** _____

Driving Directions: (R) west front St (L) onto Bristol Shoals Rd, (L) onto Davidson Drive, 2nd Right onto Winding Cedar 212 is on right

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

CHECK FOUNDATION TYPE

(X) New Single Family Residence — Maximum Number of Bedrooms: 3 — (X) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 2 — ( ) 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: _____

(X) 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 (X) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

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: Kimberly Frye — 2-17-2021
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

DocuSign Envelope ID: 2302C889-B847-4BB9-805E-D96E9EFF54B8

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, Aleximael Santiago Rosario am the legal owner(s) of the property located at 212 Winding Cedar Drive, Statesville NC 28677 identified as PIN (Parcel Identification Number) 4722-69-2202 located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**): Freedom Homes 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.

X [signature] 2/2/21
Signature of Owner(s) Date

[signature] 2/2/21
Signature of Witness Date

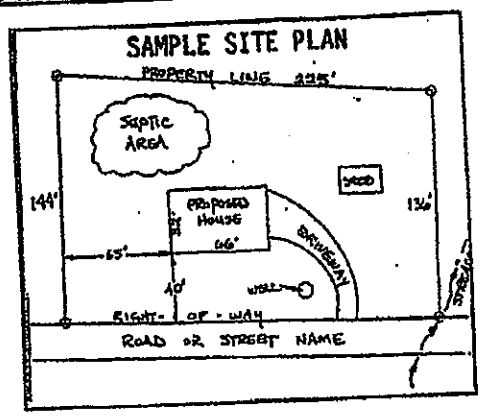
Please return this signed form to the appropriate office:

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: 704-871-3485
349 N. Center Street, Statesville, NC 28677

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**
- ( ) **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

Attached

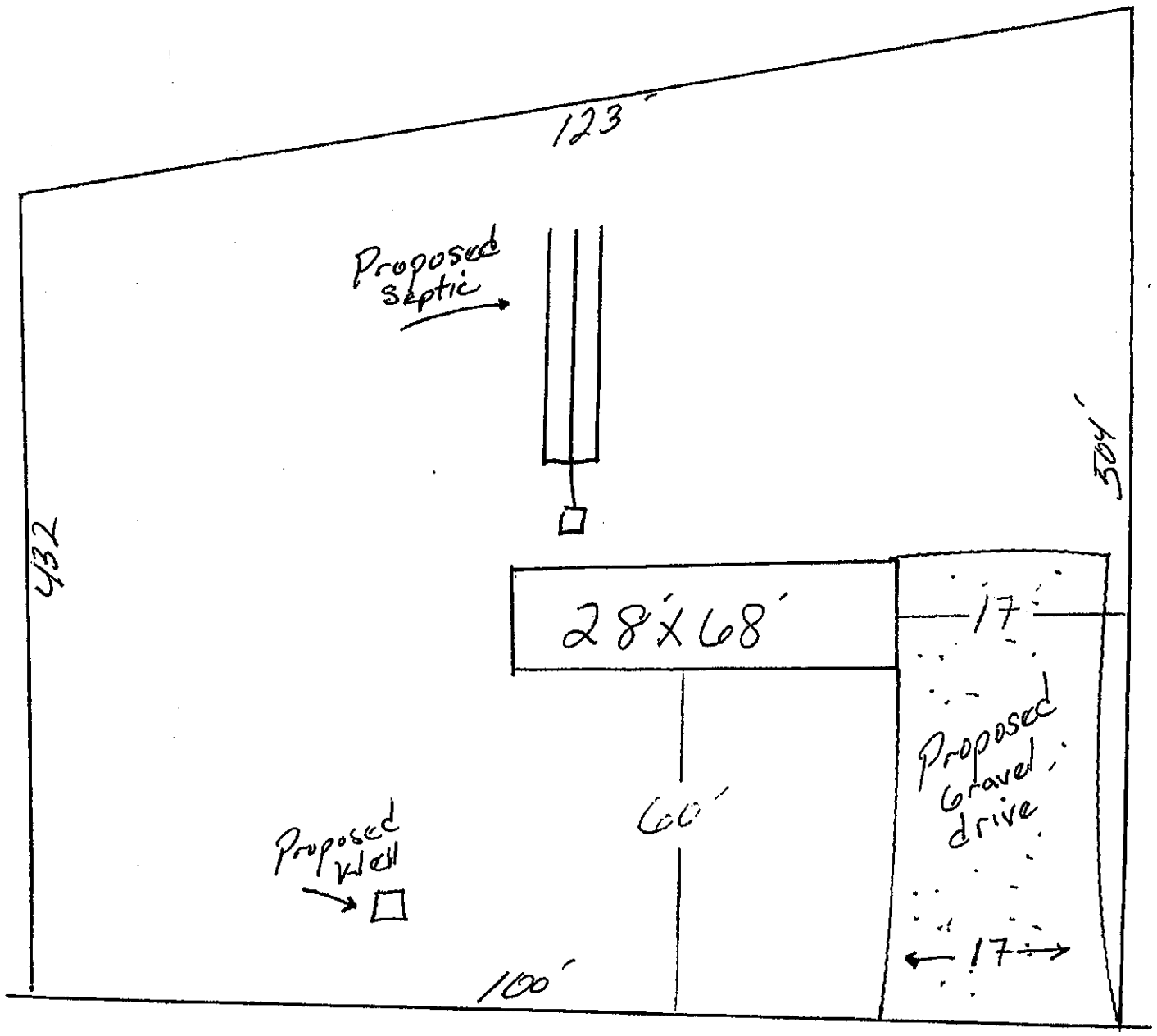
Signature: _____ 2-17-2021
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

PLOT PLAN

N.T.S.

EZELL

212 Winding Cedar Dr.
STATESVILLE, NC
28677



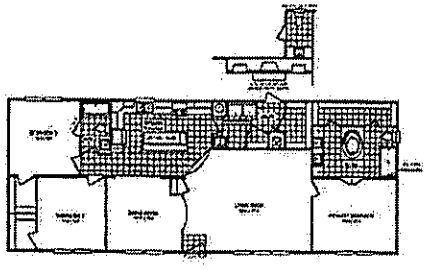
WINDING CEDAR DRIVE

2360 ROCKETEER 682

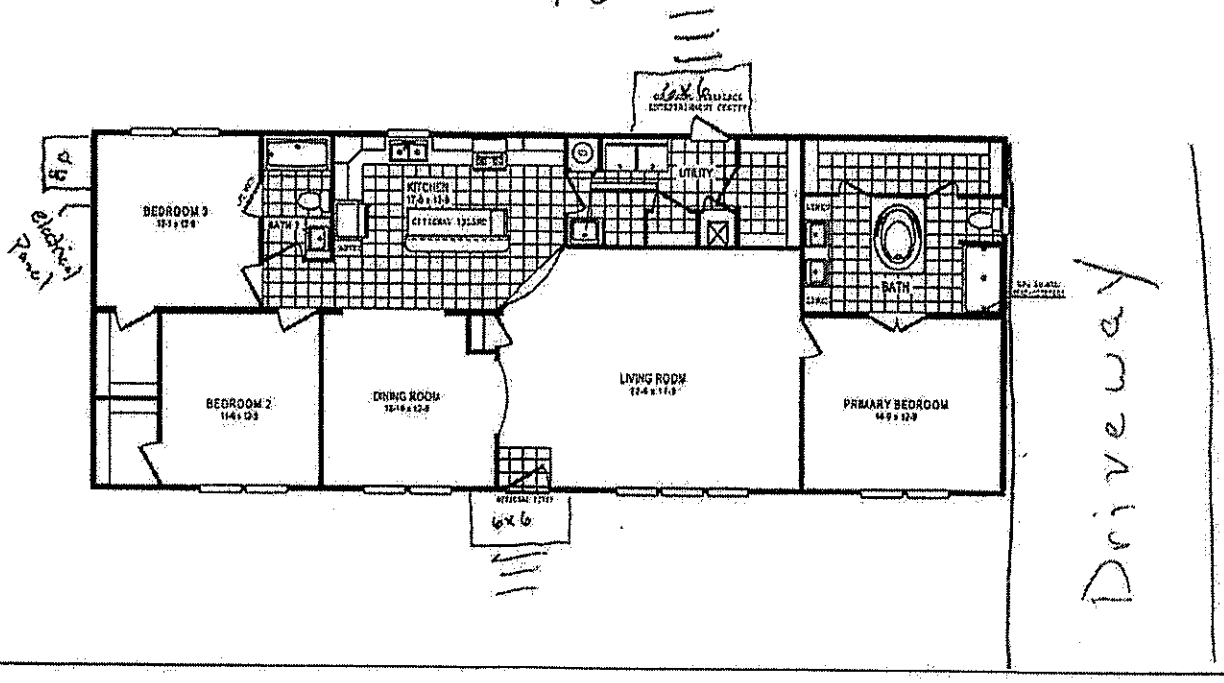
57ROC28683AI
3 beds • 2 bath
1,812 sq. f







* 28x68
Kimberly Bryce 2-17-2021



(704) 528-7960
Monday - Friday: By Appt. Only
Saturday: By Appt. Only Sunday: Closed

FREEDOM HOMES-TROUTMAN
1124 CHARLOTTE HWY
TROUTMAN, NC 28166

Our home building facilites invest in continuous product and process improvements. Plans, dimensions, features, materials, specifications, and availability are subject to change without notice or obligation. Renderings and floor plans are representative likenesses of our homes and many differ from actual homes. We invite you to tour a Home Center near you and inspect the highest value in quality housing available or call (865) 688-6110 to speak with a Home Consultant. ©2021, CMH. All rights reserved.

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

APPLICATION NUMBER
315105 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4722692202.000	212 WINDING CEDAR DR	IREDELL COUNTY

Owner Information		Applicant Information	
Name:	ROSARIO ALEXIMAEL S	Name:	FREEDOM HOMES-TROUTMAN #667- USE THIS ONE
Address:		Address:	1124 CHARLOTTE HWY
	,		TROUTMAN, NC 28166
Phone:		Phone:	(704)528-7960

Use Requested	Zone Code
Modular	R-20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
1.07	35	35	15	15		NO

Remarks
MODULAR

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.

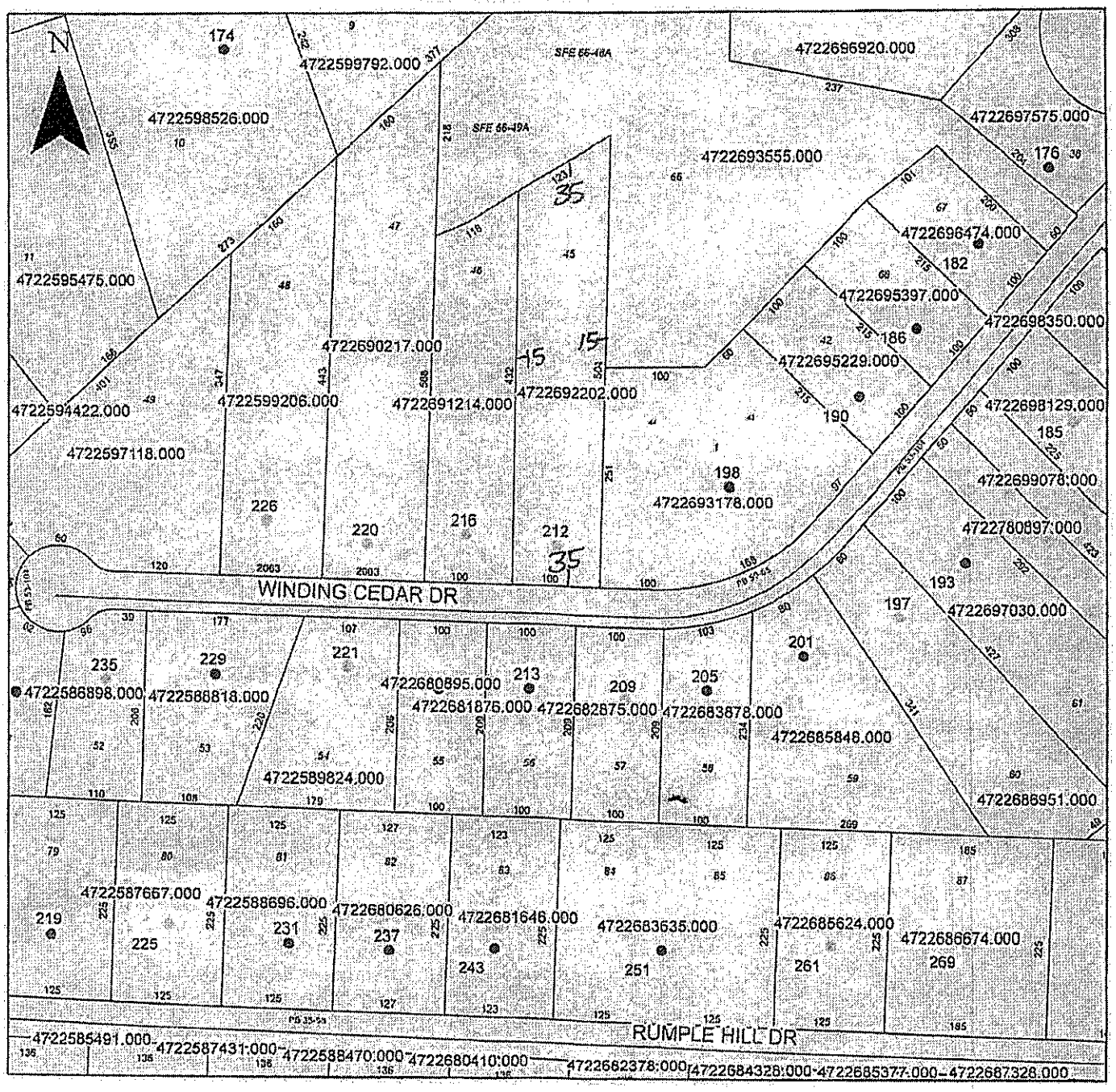
Date: 02/18/2021

Signature of Owner/Contractor

Permit Number	315105	TOTAL FEES:	$77.25

3/5105

ZONING DISCLAIMER



Property Address 212 Winding Cedar 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.

Kimberly Lamb
Applicant

2-22-21
Date