Manf-2024-64189

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

PERMIT : OSWP - 2024-55545

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

PIN # 4733-90-7579

APPLICANT/OWNER: FREEDOM HOMES TROUTMAN APPLICANT ADDRESS: 1124 CHARLOTTE HIGHWAY, TROUTMAN, N.C. 28166

SITE ADDRESS: 171 ARLIE LOOP, STATESVILLE, N.C. 28677 PHONE: 704-881-2326 ALT. PHONE 704-528-7960

SITE DIRECTIONS: (S) ON 21, (L) ON CUMBERLAND, (L) ON WATERING TROUGH, (L) ON SKYUKA, (R) ON ARLIE, LOT ON (L) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: MEADOW PINES SECTION: - LOT # 8 LOT AREA: 0.849AC DESIGN FLOW: 360 GPD L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB	1013	*Date		☑ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms 3
Pump Tank	- (gal)	PT	-	Date	-	System Description:	25% REDUCTION	☐ Business	No. Persons 6
Pump Make	-	Model	-	Serial #	-	Repair System Description:	50% REDUCTION	☐ Other	No. Employees -
# Nitrification Fields	1	# Lines	5	Linear Ft	302 FT	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☑ Crawl Space
Trench Width	36 IN	*Max. Trench Depth(Initial)	20 IN	*Max. Trench Depth(Repair)	20 IN	Gravel Depth	-	☑ GRAVITY	☐ PRESSURE

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

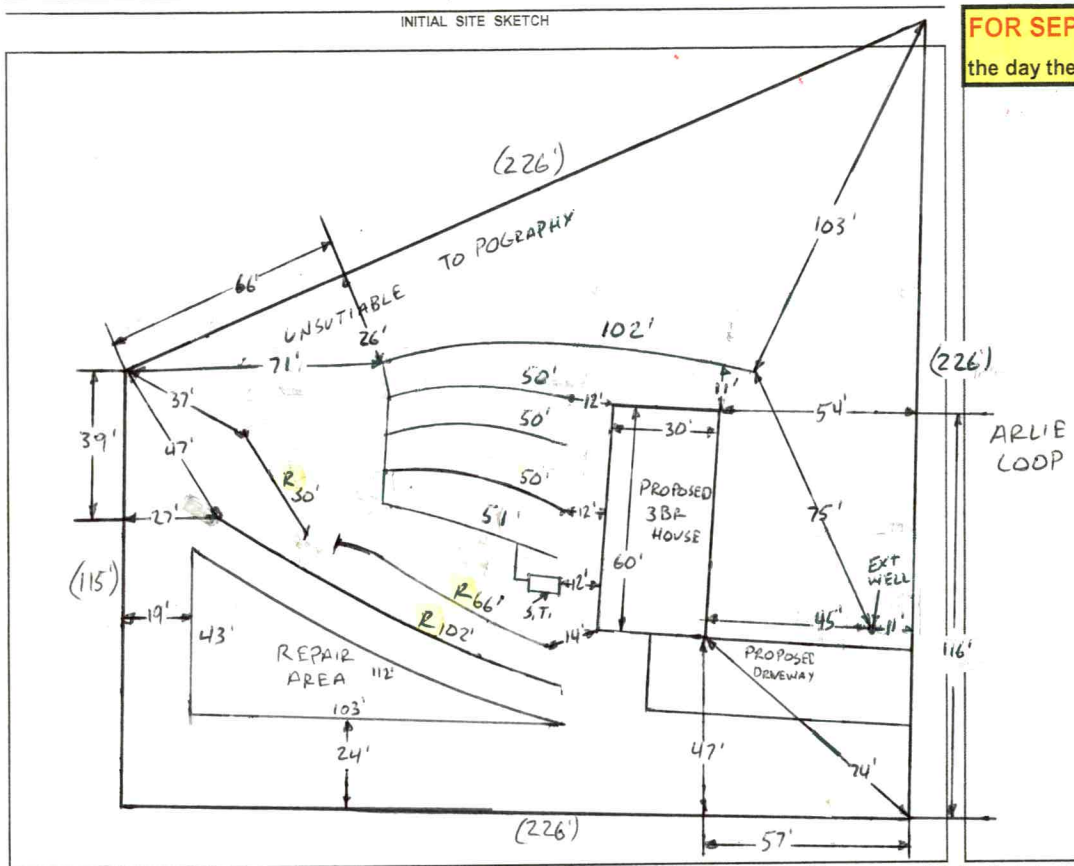
* Measured on the downhill side of the trench

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

Usable Depth to LC (Initial): 49 IN Usable Depth to LC (Repair): 49 IN Limiting Condition

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 30 IN MAX TRENCH DEPTH (HIGHSIDE), FEED SYSTEM AS SHOWN

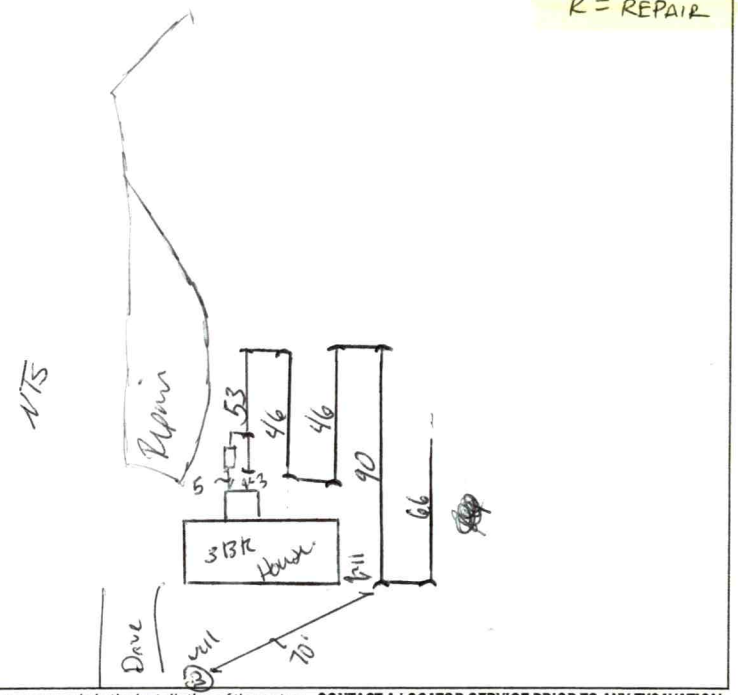
INITIAL SITE SKETCH



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.

1 IN = 50 FT
S.T. = SEPTIC TANK
R = REPAIR



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: ONLIN SIGNATURE Date: - Installed by: Frye Gentry & Ryans

IMPROVEMENT PERMIT by: Bryant C. White Date: 1-14-2025 OPERATION PERMIT by: Bryant C. White Date: 2/21/2025

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 1-14-2025 Existing System Inspected by: _____ Date: _____

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

PROPERTY ID #: 4733-90-7579
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: FREEDOM HOMES TROUTMAN — DATE EVALUATED: 7-23-2024
ADDRESS: 1124 CHARLOTTE HIGHWAY, TROUTMAN, N.C. 28166
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.0400): 360GPD — PROPERTY SIZE: 0.849AC
LOCATION OF SITE: 171 ARLIE LOOP, STATESVILLE, N.C. 28677 — PROPERTY RECORDED: YES
WATER SUPPLY: Public ✓ Single Family Well Shared Well Spring Other _____ — WATER SUPPLY SETBACK: 50FT
EVALUATION METHOD: Auger Boring ✓ Pit Cut — TYPE OF WASTEWATER: ✓ Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LINEAR SIDE 12%	0-5	SCL, SBK	FR, SS, SP, SEXP	-O.M	44"	PS II LS	NA	PS .3	5"
		5-22	C, SBK	FR, S, P, SEXP	SAP INC THRU OUT					
		22-44	CL, WSBK	FI, SS, SP, SEXP						
		44-54	SAP, MAS	FI, NS, NP, SEXP	R/B MATRIX					
2	LINEAR SIDE 8%	0-6	SCL, SBK	FR, SS, SP, SEXP	-O.M.	52"+	NA	NA	PS .3	3"
		6-28	C, SBK	FR, S, P, SEXP	SAP INC THRU OUT					
		28-52	CL, WSBK	FI, SS, SP, SEXP	R/B MATRIX					
3	~~LINEAR SIDE~~ HEAD 15%	0-10	SCL, SBK	FR SS, SP, SEXP	-O.M	51"+	NA	NA	PS .3	6"
		10-35	C, SBK	FR, S, P, SEXP	SAP THRU OUT					
		35-51	CL, WSBK	FI, SS, SP, SEXP	R/B MATX					
4	FOOT 17%	0-8	SCL, SBK	FR, SS, SP, SEXP	-O.M	53"+	NA	NA	PS .3	7"
		8-38	C, SBK	FR, S, P, SEXP	SAP, INC THRUOUT					
		38-53	CL, WSBK	FI, SS, SP, SEXP	R/B MATRIX					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	0.3	0.3
Maximum Trench Depth	20 IN	20 IN

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Bryant C. White
OTHER(S) PRESENT: _____

Comments: _____

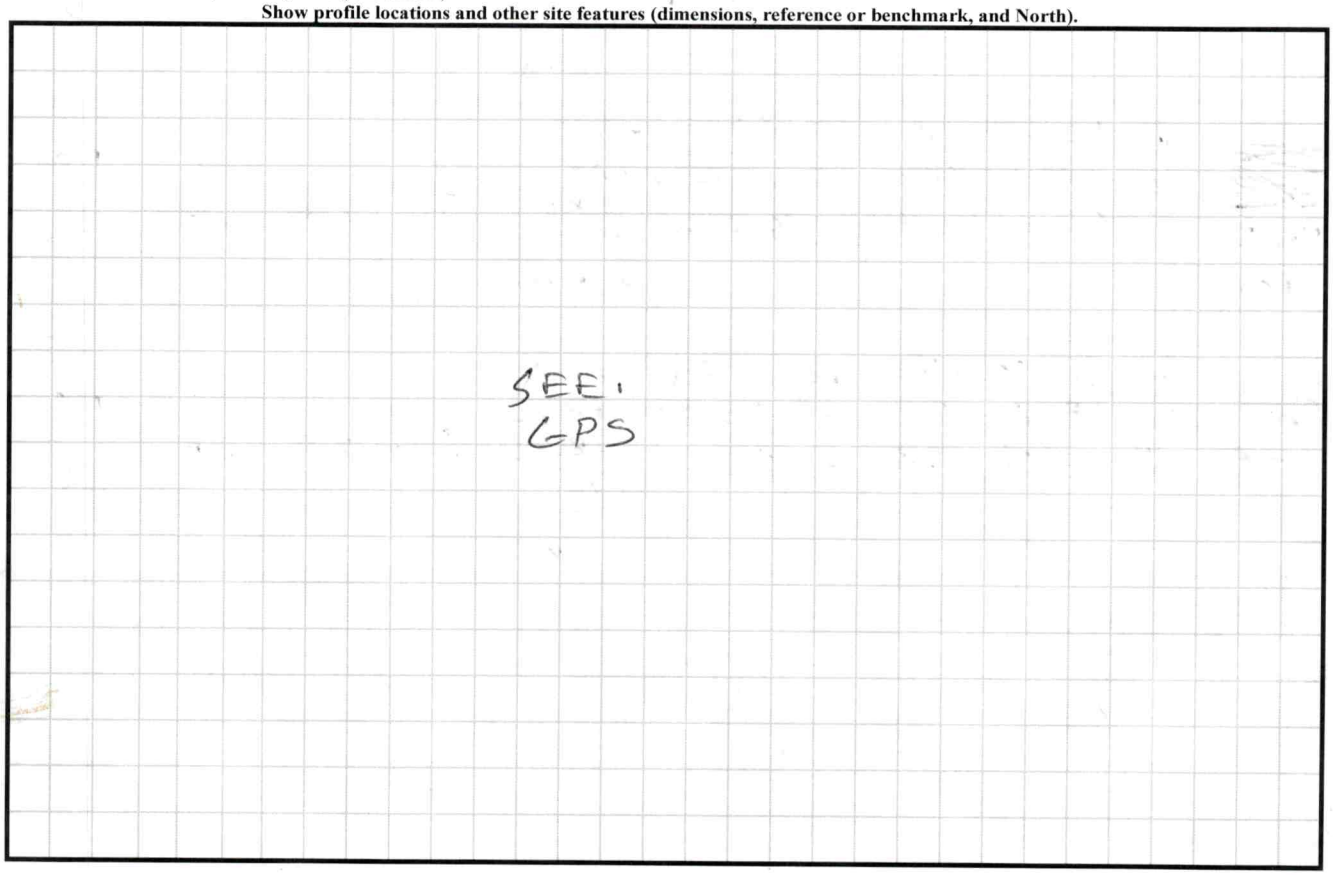
LEGEND

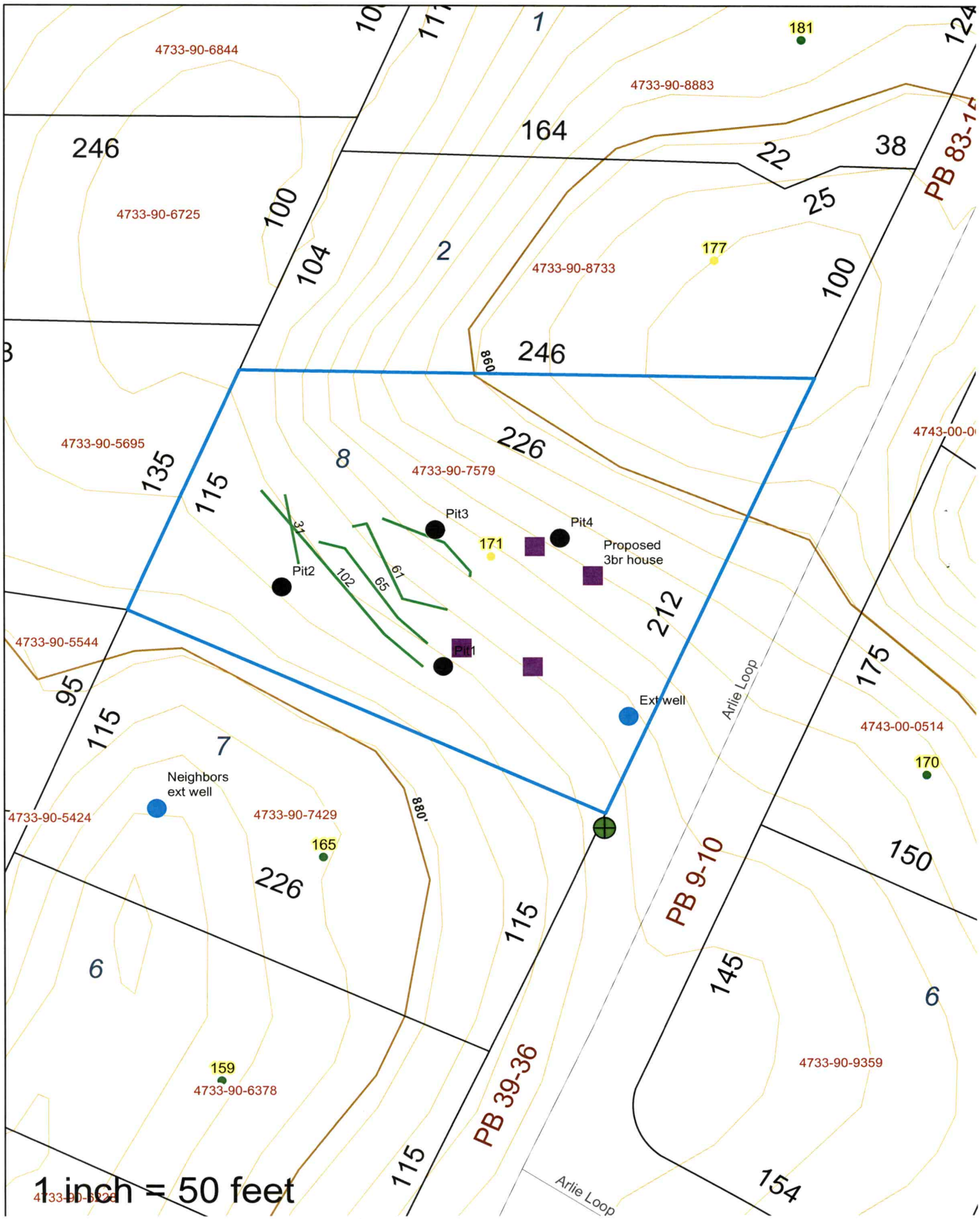
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).




4733-90-6844
4733-90-8883
4733-90-6725
4733-90-8733
4733-90-5695
4733-90-7579
4733-90-5544
4733-90-5424
4733-90-7429
4733-90-6378
4733-90-9359
4743-00-0514
181
177
171
165
159
170
246
164
38
22
25
100
104
135
115
226
212
175
95
150
145
154
PB 83-15
PB 9-10
PB 39-36
Pit1
Pit2
Pit3
Pit4
Proposed
3br house
Ext well
Neighbors
ext well
Arlie Loop
Arlie Loop
880'
1
2
6
7
8
1 inch = 50 feet

PERMIT SNAPSHOT REPORT OSWP-2024-67208 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	12/20/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	White, Bryant	**Approval Expire Date:**	
Description:	needing to apply for a septic redraw				

Parcel: 4733907579.000 Main	**Address:** 171 Arlie Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
CMH HOMES INC
5000 CLAYTON RD
MARYVILLE, TN 37804

Applicant/Authorized Agent
FREEDOM HOMES #667
FREEDOM HOMES-TROUTMA
#667- USE THIS ONE
FREEDOM
1124 CHARLOTTE HWY
TROUTMAN, NC 28166
Business: (704) 881-2326

Applicant/Authorized Agent
FREEDOM HOMES OF
TROUTMAN(MOD BOND)
Home: (704) 528-7960
Business: (704) 528-7960

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Re-Layout/change septic permit (sys not installed)	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	28x48 doublewide mobile home with 6x6 front and 8x10 back deck
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Authorization to Construct
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_FREEDOM_HOMES-TROUTMAN_12/20/2024.jpg	12/20/2024 12:23	Kimberly Frye, Freedom Homes		Uploaded via CSS
bullock auth to act_v1.pdf	12/23/2024 8:25	Kimberly Frye, Freedom Homes	Available Online	
BULLOCK FLOOR PLAN_v1.pdf	12/23/2024 8:25	Kimberly Frye, Freedom Homes	Available Online	
BULLOCK PLOT PLAN_v1.pdf	12/23/2024 8:25	Kimberly Frye, Freedom Homes	Available Online	
BULLOCK SURVEY_v1.pdf	12/23/2024 8:25	Kimberly Frye, Freedom Homes	Available Online	
BRN3C2AF404190F_20240812_161233_094336.pdf	12/31/2024 8:34	Hart, Ronda	Available Online	existing septic permit

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date

PERMIT SNAPSHOT REPORT (OSWP-2024-67208)

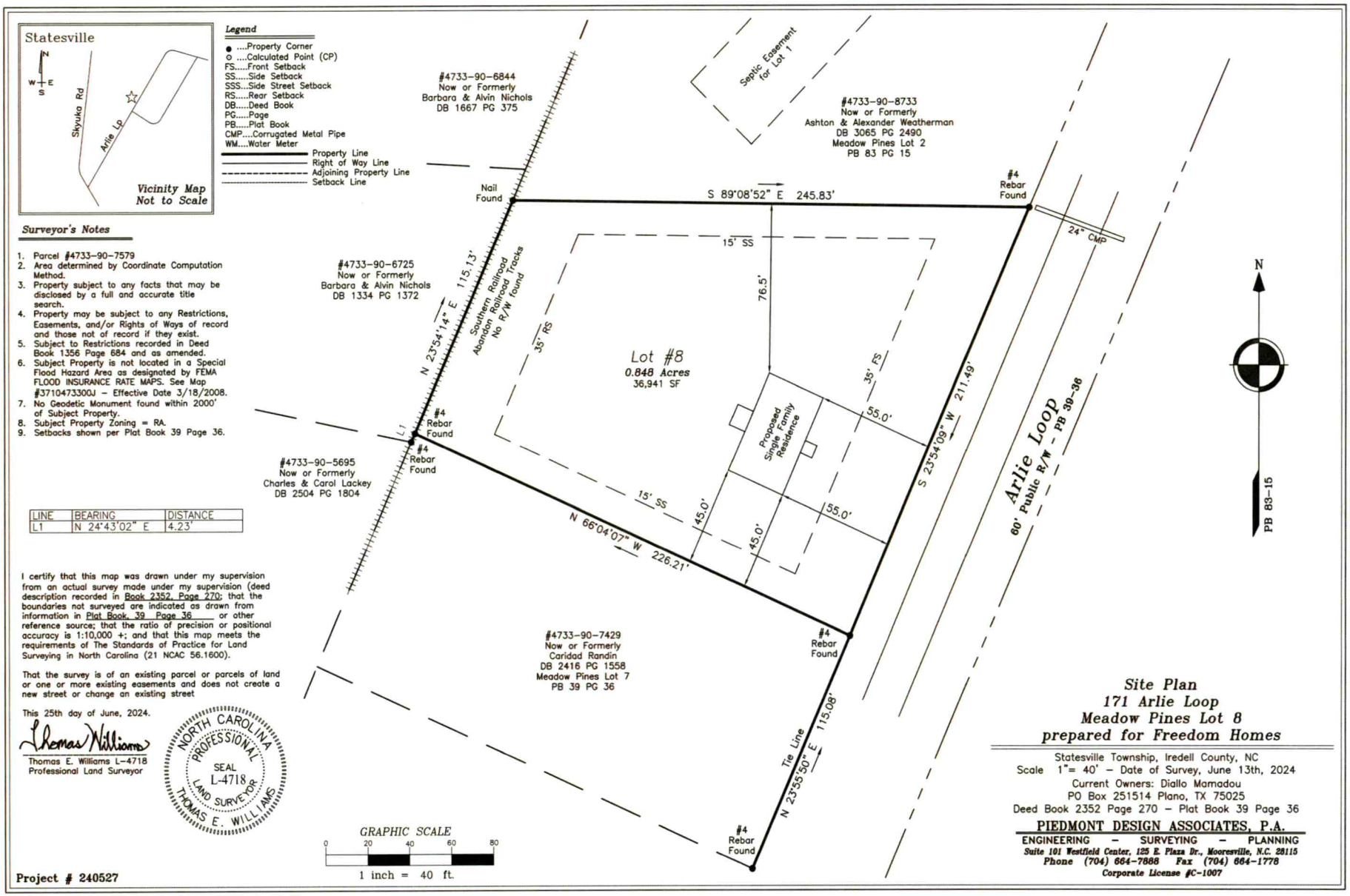
2024-273702	Requested	OSWP Septic/Well Preliminary Site Visit	12/31/2024	01/01/2025 0:00	01/01/2025 0:00	

Inspectors: Fleming, Latasha (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00039283	Intermediate Re-layout	$320.00	$320.00
	Total for Invoice INV-00039283	$320.00	$320.00
	Grand Total for Permit	**$320.00**	**$320.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		12/23/2024 8:26	12/23/2024 8:26
Confirm application complete v.1	Generic Action		12/23/2024 8:26
~~**Zoning Review v.1**~~			12/23/2024 8:26
~~Floodplain Admin Overview v.1~~	Task		12/23/2024 8:26
~~Iredell County Zoning Approval v.1~~	Task		12/23/2024 8:26
~~Issue Invoice v.1~~	Generic Action		12/23/2024 8:26
~~Fees Paid v.1~~	Generic Action		12/23/2024 8:26
Fees v.1		12/23/2024 8:26	12/31/2024 8:35
Issue Invoice v.1	Generic Action		12/23/2024 8:26
Fees Paid v.1	Generic Action		12/31/2024 8:35
Lot Readiness Verification v.1		12/31/2024 12:34	
OSWP Septic Preliminary Site Visit v.1	Inspection	12/31/2024 12:34	12/31/2024 12:34
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		



Surveyor's Notes

1. Parcel #4733-90-7579
2. Area determined by Coordinate Computation Method.
3. Property subject to any facts that may be disclosed by a full and accurate title search.
4. Property may be subject to any Restrictions, Easements, and/or Rights of Ways of record and those not of record if they exist.
5. Subject to Restrictions recorded in Deed Book 1356 Page 684 and as amended.
6. Subject Property is not located in a Special Flood Hazard Area as designated by FEMA FLOOD INSURANCE RATE MAPS. See Map #3710473300J – Effective Date 3/18/2008.
7. No Geodetic Monument found within 2000' of Subject Property.
8. Subject Property Zoning = RA.
9. Setbacks shown per Plat Book 39 Page 36.

LINE	BEARING	DISTANCE
L1	N 24°43'02" E	4.23'

I certify that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 2352, Page 270; that the boundaries not surveyed are indicated as drawn from information in Plat Book, 39 Page 36 or other reference source; that the ratio of precision or positional accuracy is 1:10,000 +; and that this map meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600).

That the survey is of an existing parcel or parcels of land or one or more existing easements and does not create a new street or change an existing street

This 25th day of June, 2024.

Thomas E. Williams L-4718
Professional Land Surveyor

NORTH CAROLINA PROFESSIONAL SEAL L-4718 LAND SURVEYOR THOMAS E. WILLIAMS

Project # 240527

Site Plan
171 Arlie Loop
Meadow Pines Lot 8
prepared for Freedom Homes

Statesville Township, Iredell County, NC
Scale 1"= 40' – Date of Survey, June 13th, 2024
Current Owners: Diallo Mamadou
PO Box 251514 Plano, TX 75025
Deed Book 2352 Page 270 – Plat Book 39 Page 36

PIEDMONT DESIGN ASSOCIATES, P.A.
ENGINEERING – SURVEYING – PLANNING
Suite 101 Westfield Center, 125 E. Plaza Dr., Mooresville, N.C. 28115
Phone (704) 664-7888 Fax (704) 664-1778
Corporate License #C-1007