ICHD - ENVIRONMENTAL HEALTH DIVISION

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

HS

MANF-2023-30819

PERMIT # OSWP-2022-11995

PIN # 4772-59-2645

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

APPLICANT / OWNER: FREEDOM HOMES #667 APPLICANT ADDRESS: 1124 CHARLOTTE HWY, TROUTMAN, NC 28166

SITE ADDRESS: 302 TRIPLETT RD, CLEVELAND, NC 27013 PHONE: 7048812326 ALT. PHONE:

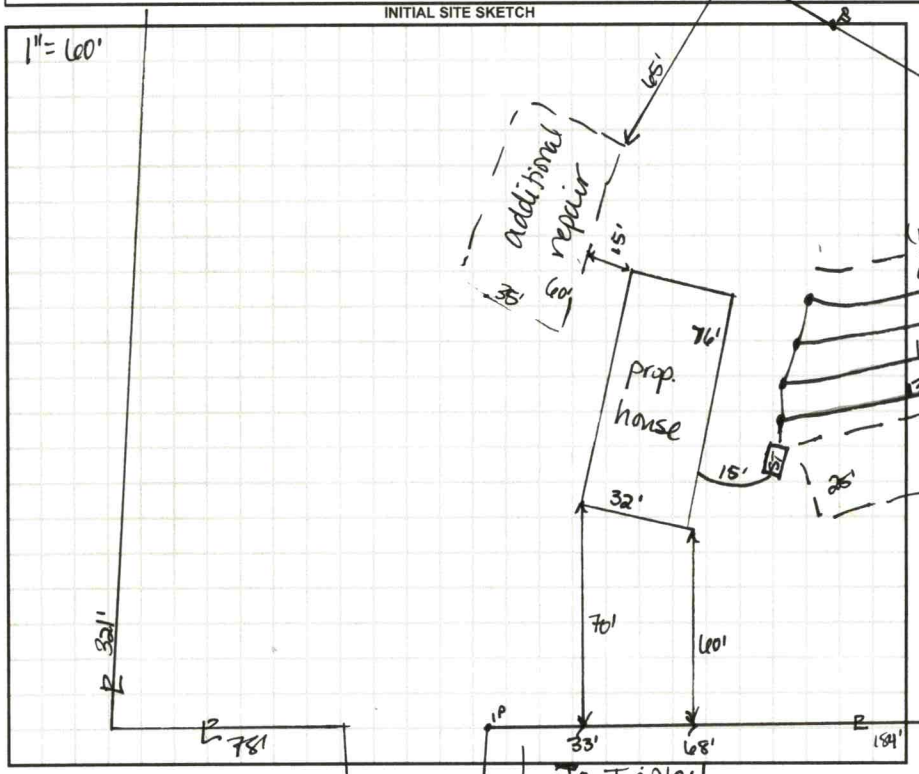
SITE DIRECTIONS: E NC150 -> L 801 -> L Triplett -> Lot on L SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: N/A SECTION: N/A LOT #: N/A LOT AREA: 2.466 DESIGN FLOW: 480 L.T.A.R.: 0.25

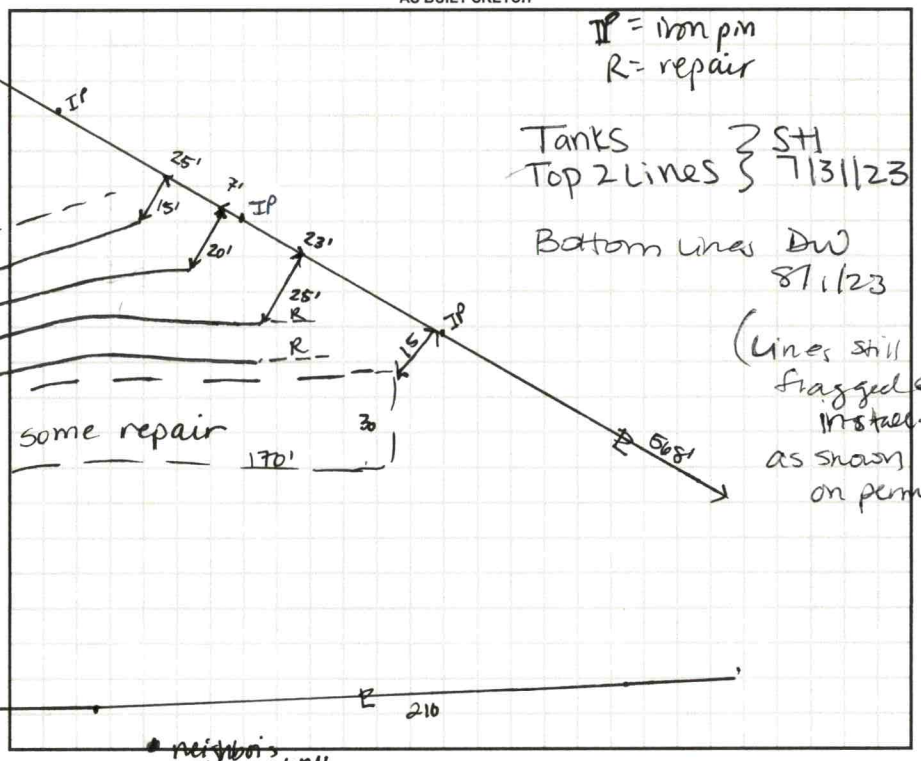
Septic Tank: 1000 (gal)	STB: 760	Date: 6-16-23	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: Other Public Water
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 480	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield. Do not exceed max of 36" trench bottom. Install on contour, use serial distribution.

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: Date:

IMPROVEMENT PERMIT by: D. Weberg Date: 2/13/23

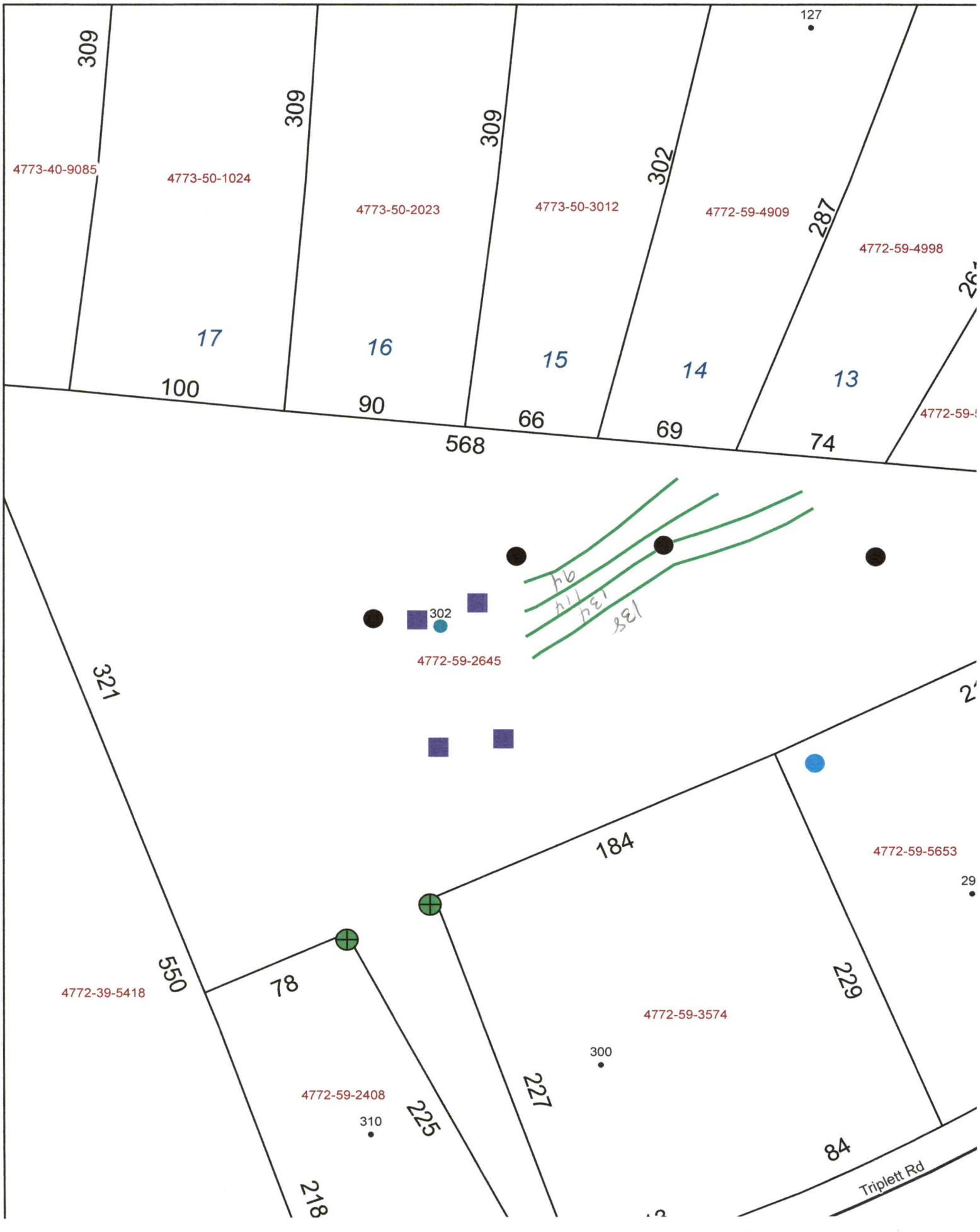
AUTHORIZATION TO CONSTRUCT by: D. Weberg Date: 2/13/23

Installed By: Frye Grading

OPERATION PERMIT by: D. Weberg Date: 8/1/23

Existing System Inspected By: Date:

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


309
309
309
302
287
127
4773-40-9085
4773-50-1024
4773-50-2023
4773-50-3012
4772-59-4909
4772-59-4998
17
16
15
14
13
100
90
66
69
74
568
302
4772-59-2645
321
184
4772-59-5653
29
550
78
4772-39-5418
4772-59-3574
229
300
4772-59-2408
310
225
227
84
218
Triplett Rd

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

Sheet 1 of 1
PROPERTY ID #: 4772592645
COUNTY: Iredell

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

OWNER: James & Sandra Collins
APPLICATION DATE 12/21/22
ADDRESS: Triplett
DATE EVALUATED: 2/7/22
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: 2.466
LOCATION OF SITE: 302 Triplett, Cleveland NC
PROPERTY RECORDED: Y
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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 5-8	0-6	SCL - WSBK	SSSP-FR-SE-VP	few YB, minor sheen on C faces of ABK peds	54"	N/A	N/A	PS 0.275
		6-40	C, SBK/ABK	SP-FR-SE-VP					
		40-54	CL - SBK	SSSP-FR-SE-VP					
2	LS 5-8	0-6	SCL - WSBK	SSSP-FR-SE-VP	wet clay faces on ABK peds YB (chroma 3)	54"	N/A	N/A	PS 0.275 (0.25)
		6-44	C ABK/SBK	SP-FR-SE-VP					
		44-54	CL - WSBK	SSSP-FR-SE-VP					
3	LS 6%	0-5	SCL - WSBK	SSSP-FR-SE-VP	sap incl	52" 31"+ some	N/A	N/A	PS 0.3
		5-31	C - SBK	SP-FR-SE-VP					
		31-52	CL - WSBK	SSSP-FR-SE-VP					
4	LS	0-10	SCL - WSBK	SSSP-FR-SE-VP	YB around C veins in CL sap incl common 57"+	52"	N/A	N/A	PS 0.275
		10-37	C - SBK/ABK	SP-FR-SE-VP					
		37-52	CL - WSBK	SSSP-FR-SE-VP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	480	290'
System Type(s)	25%	50%
Site LTAR	0.25	0.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): B
EVALUATED BY: D. Wiebens
OTHER(S) PRESENT: J McIntosh

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

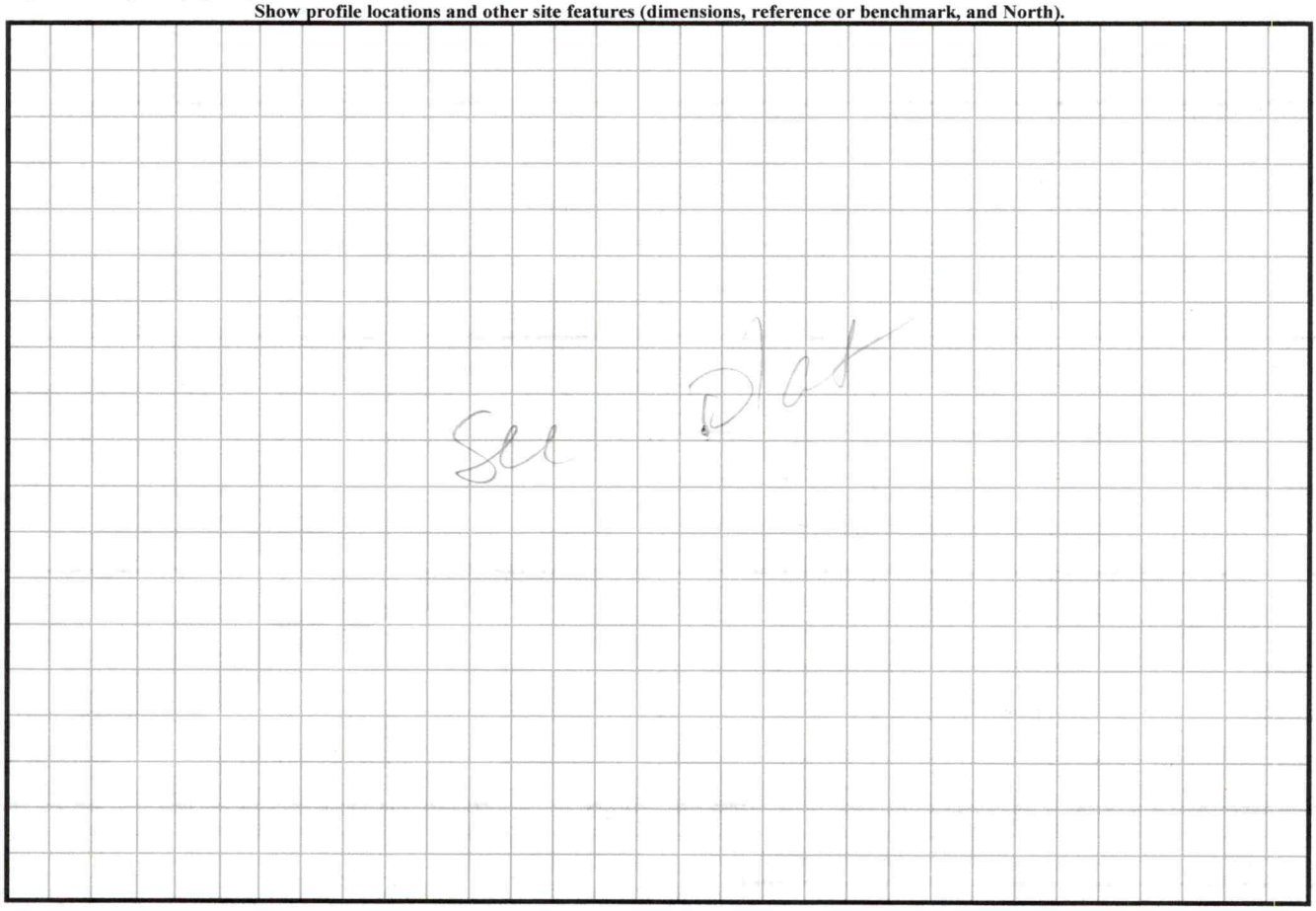
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



2/7

PERMIT SNAPSHOT REPORT OSWP-2022-11995 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	12/21/2022
Work Class:	EH Septic Improvement Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wieberg, Danielle	**Approval Expire Date:**	
Description:	NEEDING TO APPLY FOR A AC SEPTIC PERMIT FOR A 4 BEDROOM 32X76 DOUBLE WIDE MOB HOME, LOT WILL HAVE COUNTY WATER				

Parcel: 4772592645.000 Main	**Address:** 302 Triplett Rd Cleveland, NC 27013 Main	**Zone:** RA(Residential Agricultural District)

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

Property Owner
JAMES R+SANDRA L COLLIN

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	NEW 4 BEDROOM 32X76 DOUBLE WIDE MOBILE HOME WITH 6X6 FRONT AND 6X6 SIDE DECKS can be approved.	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain	REQUIREMENTS FOR AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy			Maximum Number of Bedrooms	4

PERMIT SNAPSHOT REPORT (OSWP-2022-11995)

Number of Occupants	2	Foundation Type	Crawl Space Foundation	Water Supply	Other Public Water
Desired Septic System Type	Conventional (most common)	If other septic system type, please explain		Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Dec 21 2022 12:00AM	Zoning Permit Expiration Date	Jun 19 2023 12:00AM	Is the structure or development in the floodplain	No
Is the property in a local historic district?	No	Is the property located downtown?	No	Zoning Notes/Addendums	REQUIREMENTS FOR AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.
Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_FREEDOM_HOMES-TROUTIAN_12/21/2022.jpg	12/21/2022 11:37	Kimberly Frye, Freedom Homes		Uploaded via CSS
COLLINS AUTH TO ACT_v1.pdf	12/21/2022 14:35	Nebel, Barbara	Available Online	Authorize to Act as Agent
COLLINS FLOOR PLAN_v1.pdf	12/21/2022 14:35	Nebel, Barbara	Available Online	Floor Plan(s)
COLLINS PLOT PLAN_v1.pdf	12/21/2022 14:35	Nebel, Barbara	Available Online	Site Plan
COLLINS SOIL WORK_v1.pdf	12/21/2022 14:35	Nebel, Barbara	Available Online	Additional Supporting Information
302 Triplett AA Form.pdf	01/17/2023 15:33	Nebel, Barbara		
302 Triplett Plat.pdf	01/17/2023 15:33	Nebel, Barbara		
302 Triplett Rd SOIL WORK.pdf	01/17/2023 15:33	Nebel, Barbara		
302 Triplett Rd FLOOR PLAN_.pdf	01/17/2023 15:33	Nebel, Barbara		
302 Triplett Rd Plan.pdf	01/17/2023 15:33	Nebel, Barbara		

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-54854	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	01/20/2023			01/20/2023 9:02	01/20/2023 9:02

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project Number: *22-0115*
Date: *8/18/2022*

Shawn Collins
Attn: *Shawn Collins*
Email: dotmatrix09@gmail.com

Re: On-Site Wastewater Evaluation for a Residence at 302 Triplett Rd, Cleveland, NC 27013, Iredell County.

Dear Shawn,

Soil & Forestry Services of the Carolinas, PA performed a Preliminary Soil Evaluation on the above mentioned properties in Iredell County, NC. The purpose of the evaluation was to determine available space requirement for a 3-4 bedroom onsite wastewater system. The evaluation was performed on August 16th, 2022.

The findings from our evaluation are illustrated on the attached Soil Map. Soil boring locations and usable soil boundary were located via GPS. This data was imported into Iredell County Tax Parcel Data with topography and utilized to produce the Soil Map.

Soil/Site Suitability
Five soil borings (B1 – B5) were performed to determine the overall soil suitability for an onsite wastewater system installation. Five borings all were found to be provisionally suitable for Conventional, Modified Conventional and/or Accepted subsurface wastewater systems. These soil profile descriptions are most similar to the Cecil Soil Series'. Recommended LTAR is 0.3gpd/ft2. The square footage requirement for a 3-4 bedroom Conventional or Accepted System (system and repair) is 8,000 – 12,000. **We have determined that there is sufficient available space to support a drainfield for a 3-4 BR residence. House placement, driveway, and well should be sited to preserve sufficient available space of usable soil. I would recommend a survey, staking proposed improvements to the lot (house location) and performing an on-ground layout of system and repair for design purposes prior to submittal to the Health Department for the permit.**

Soil & Forestry Services of the Carolinas, PA appreciates your business and looks forward to working with you in the future. Please let us know if you need any further assistance or have questions in regards to this project. We would be glad to provide a quote for septic layout, design and permitting.

Thank you
S. Ashley Rollans
NC Licensed Soil Scientist #1231

See Attached: *Soil Map*

PROPERTY ID #: 4772592645
COUNTY: Iredell

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

OWNER: James & Sandra Collins APPLICATION DATE
ADDRESS: 300 Triplett Rd Cleveland NC 27013 DATE EVALUATED: 8/16/22
PROPOSED FACILITY: 3-4 BR PROPOSED DESIGN FLOW (.1949): 360-480gpd PROPERTY SIZE: 2.415 AC
LOCATION OF SITE: 302 Triplett Rd PROPERTY RECORDED: YES
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) .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	L/5%	0-16	RBCLWFSBK	FRSSSP		50"			PS 0.3
		16-50	BRCWFABK/SBK	FRSSSP					
2	L/5%	0-12	RBSCLWFSBK	FRSSSP		50"			PS 0.3
		12-50	BRCWFABK/SBK	FRSS					
3	L/5%	0-9	RBSCLWFSBK	FRSSSP		50"			PS 0.3
		9-50	BRCWFABK/SBK	FRSSSP					
4	L/8%	0-8	RBSCLWFSBK	FRSSSP		50"			PS 0.3
		8-50	BRCWMABK/SBK	FRSSSP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Ashley Rollans
OTHER(S) PRESENT: Mason Freeman

COMMENTS:

SOIL/SITE EVALUATION
(Continuation Sheet-Complete all field in full)

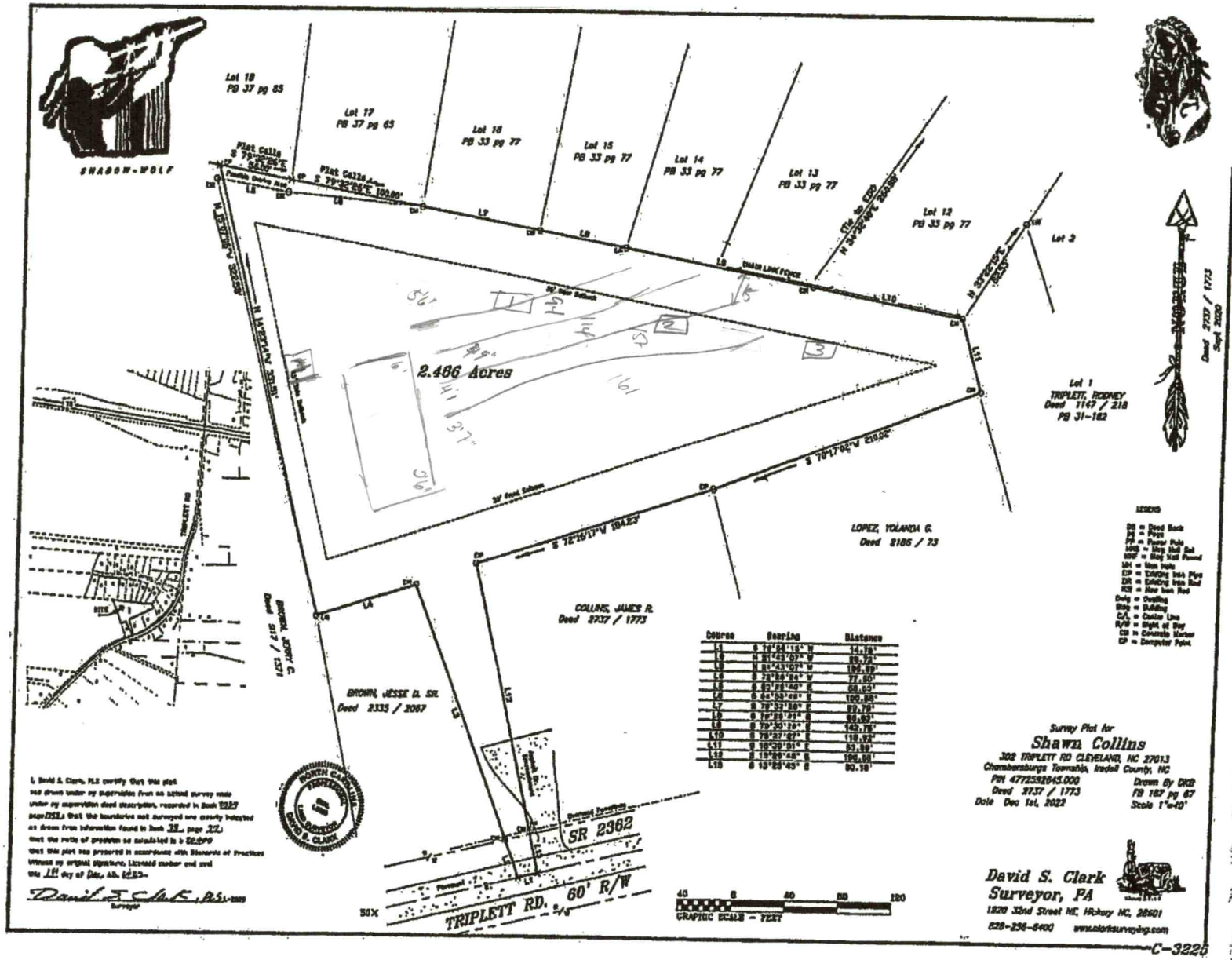
PROPERTY ID #: 4772592645
DATE OF EVALUATION: 8/16/22
COUNTY: Iredell

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
5	L/7%	0-15	RBSCLWFSBK	FRSSSP		36"		36"	PS 0.3
		15-36	BRCWMABK/SBK	FRSSP					
		36	AR – qtz floater						

COMMENTS:

Updated February 2014

OK PTA



Course	Bearing	Distance
L1	S 74°54'15" W	14.78'
L2	N 81°43'07" W	88.72'
L3	N 81°43'07" W	196.89'
L4	S 73°16'24" W	77.80'
L5	S 80°16'40" E	68.03'
L6	S 80°16'40" E	100.66'
L7	S 73°33'38" E	89.78'
L8	S 76°20'21" E	94.83'
L9	S 79°20'29" E	140.76'
L10	S 79°27'07" E	119.92'
L11	S 10°39'01" E	53.89'
L12	S 19°59'48" E	196.86'
L13	S 19°59'48" E	90.16'

LEGEND
IPS = Iron Pipe
IPF = Iron Found
PP = Power Pole
MAG = Mag Nail Set
MAG = Mag Nail Found
IRS = Iron Rebar
EIP = Existing Iron Pipe
EIR = Existing Iron Rod
NIR = New Iron Rod
Dwlg = Dwelling
Bldg = Building
C/L = Center Line
R/W = Right of Way
EM = Concrete Marker
CP = Computer Point

I, David S. Clark, PLS certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 3737 page 1773); that the boundaries not surveyed are clearly indicated as drawn from information found in Book 3737, page 1773; that the ratio of precision as calculated is 1:22,879; that this plat has been prepared in accordance with Standards of Practice; witness my original signature, License number and seal this 1st day of Dec., A.D. 2022.

David S Clark, PLS L-3225
Surveyor

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR DAVID S. CLARK