ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT : OSWP 2024 64438

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

PIN # 3792-54-7869

APPLICANT/OWNER: FREEDOM HOMES TROUTMAN | APPLICANT ADDRESS: 1124 CHARLOTTE HWY TROUTMAN NC 28166

SITE ADDRESS: 146 PATCHWORK DR STATESVILLE NC 28677 | PHONE: 7048812326 | ALT. PHONE —

SITE DIRECTIONS: HWY 70 → EUFOLA RD → R PATCHWORK | SAP CONTROLLED: [X] YES [ ] NO

SUBDIVISION: ROCKY MOUNTAIN MINISTRIES | SECTION: — | LOT # 1 | LOT AREA: 2.443 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.275 | L.T.A.R (Repair): 0.275

Septic Tank 1000 (gal) STB 760 Date —
Pump Tank — (gal) PT — Date —
Pump Make — Model — Serial # —
Nitrification Fields 1 # Lines 5 Linear Ft 328
Trench Width 36 *Max. Trench Depth(Initial) 34 *Max. Trench Depth(Repair) 34 Gravel Depth —
* Measured on the downhill side of the trench

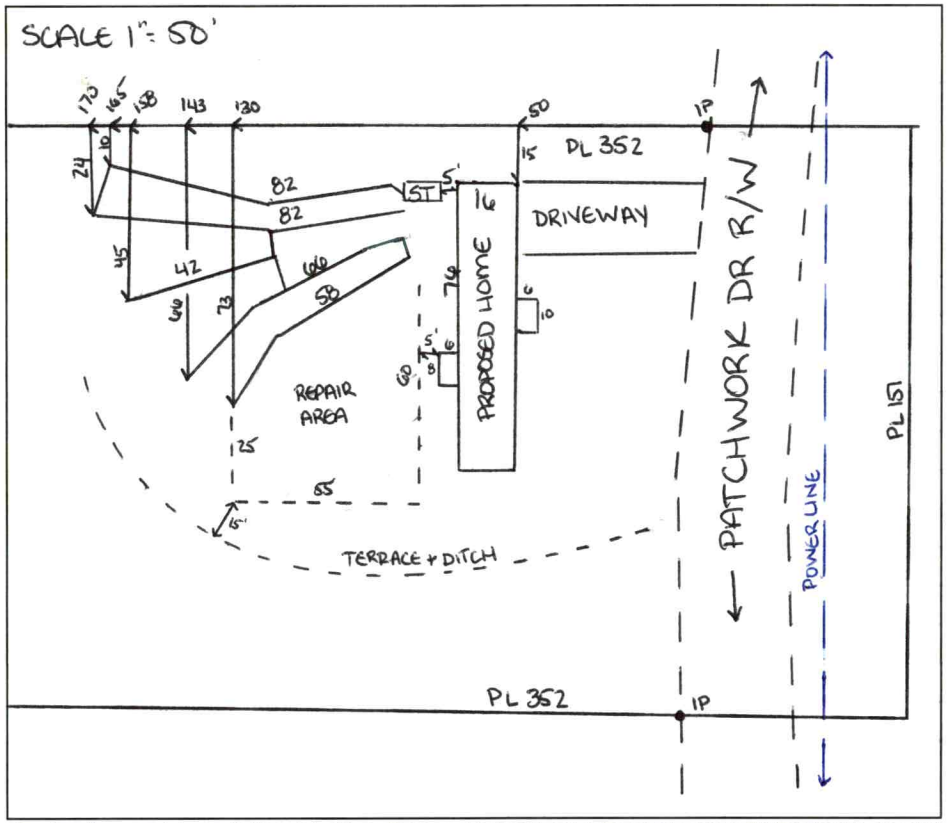
[X] New System [ ] Repair [ ] Expansion System Type: I II (III) IV V VI
System Description: Gravity 25% Reduction
Repair System Description: VPPBPS
Maintenance Agreement Required: [ ] YES [X] NO
[X] GRAVITY [ ] PRESSURE
Effluent Standard: [X] DSE [ ] HSE [ ] TS-I [ ] TS-II [ ] RCW [ ] NSF/ANSI 40
Usable Depth to LC (Initial): 50" | Usable Depth to LC (Repair): 52" *Limiting Condition*

[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: [ ] Private [X] Public [ ] Community

Comments / Conditions: Install on contour 9' on center utilizing serial distribution. DO NOT GRADE IN septic area. Ensure positive drainage at DP.

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.

see attached as built sketch. Raining as covered.

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: ONLINE Date: — Installed by: Chris Frye

IMPROVEMENT PERMIT by: Sarah Williams Date: 11/8/2024 OPERATION PERMIT by: Sarah Williams Date: 4-11-25

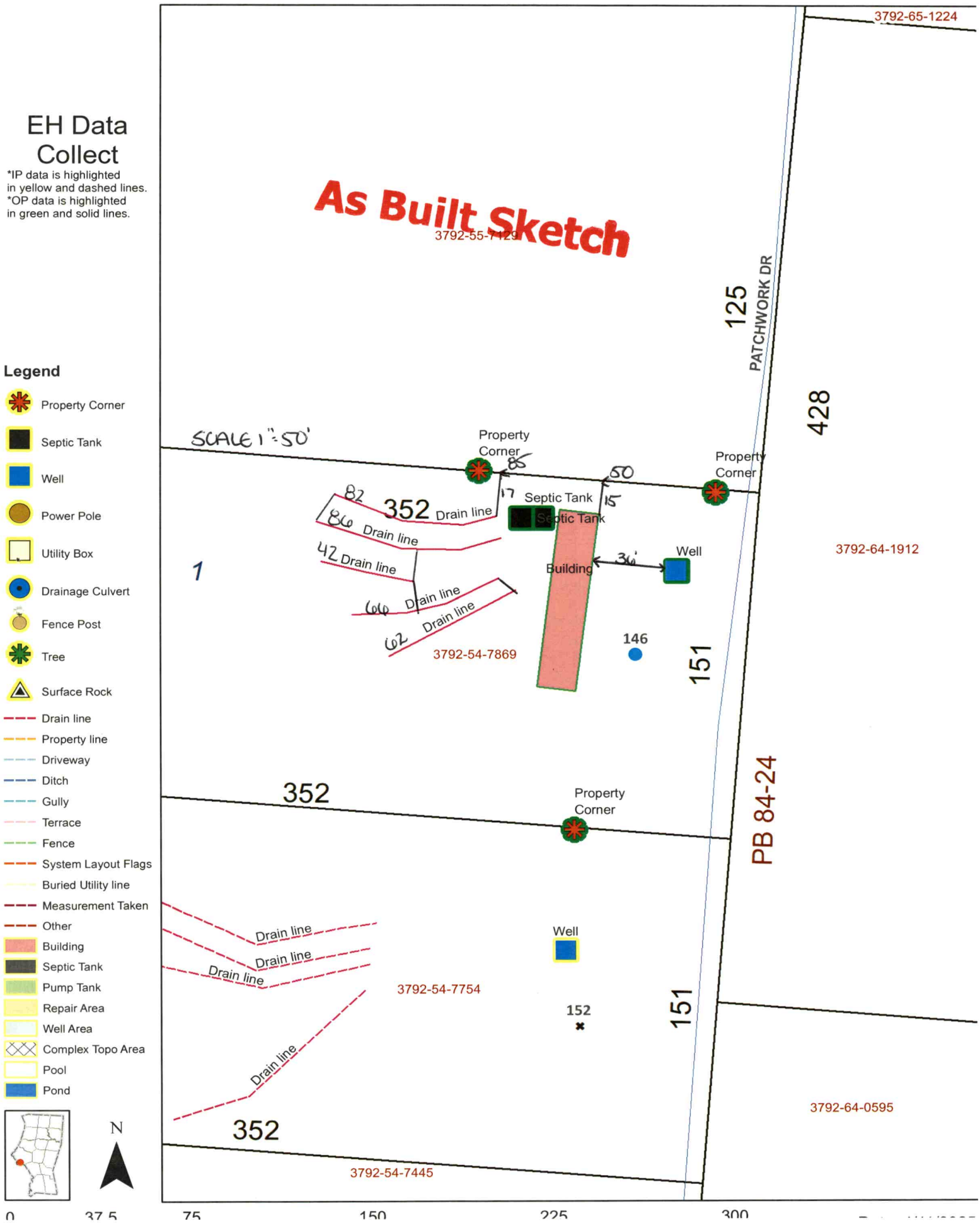
AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 11/8/2024 Existing System Inspected by: Date:

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? _____	

EH Data Collect

*IP data is highlighted in yellow and dashed lines.
*OP data is highlighted in green and solid lines.



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

PROPERTY ID #: 3792-94-7850
COUNTY: IREDELL

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

OWNER: FREEDOM HOMES — DATE EVALUATED: 11/7/24
ADDRESS: 1124 CHARLOTTE HWY TROUTMAN NC 28166
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.0400): 360 — PROPERTY SIZE: 2.443 AC
LOCATION OF SITE: 146 PATCHWORK DR STATESVILLE NC 28677 — PROPERTY RECORDED: Y
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other — — WATER SUPPLY SETBACK: 10'
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	LS 5%	0-18	C/SABK	SS-SP-FR-SE	→ Heavy Sap inc.	30"	SL	—	PS .275	2"
		18-30	CL/ABK	SS-SP-FR-SE						
		30-60	SL SAP/Ma	NS-NP-FR						
2	LS 5%	0-12	FILL	Mixed	—	52"	—	—	PS .275	2"
		12-37	C/ABK	SS-SP-FR-SE						
		37-52	CL/ABK	SS-SP-FR-SE						
3	LS 5%	0-12	SCL/SBK	SS-SP-FR-SE	—	54"	—	—	PS .275	2"
		12-30	C/ABK	SS-SP-FR-SE						
		30-54	CL/WABK	SS-SP-FR-SE	YIB 22"-30"					
4	LS 5%	0-10	SCL/ABK	SS-SP-FR-SE	—	50"	—	—	PS .275	2"
		10-28	C/ABK	SS-SP-FR-SE						
		28-50	CL/ABK	SS-SP-FR-SE	Few Sap in CL					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	328'	218'
System Type(s)	G 25%	G 50%
Site LTAR	.275	.275
Maximum Trench Depth	34"	34"

SITE CLASSIFICATION (.0509): S 0.275
EVALUATED BY: S. Williams
OTHER(S) PRESENT: S. Holland, C. Whicker

Comments:

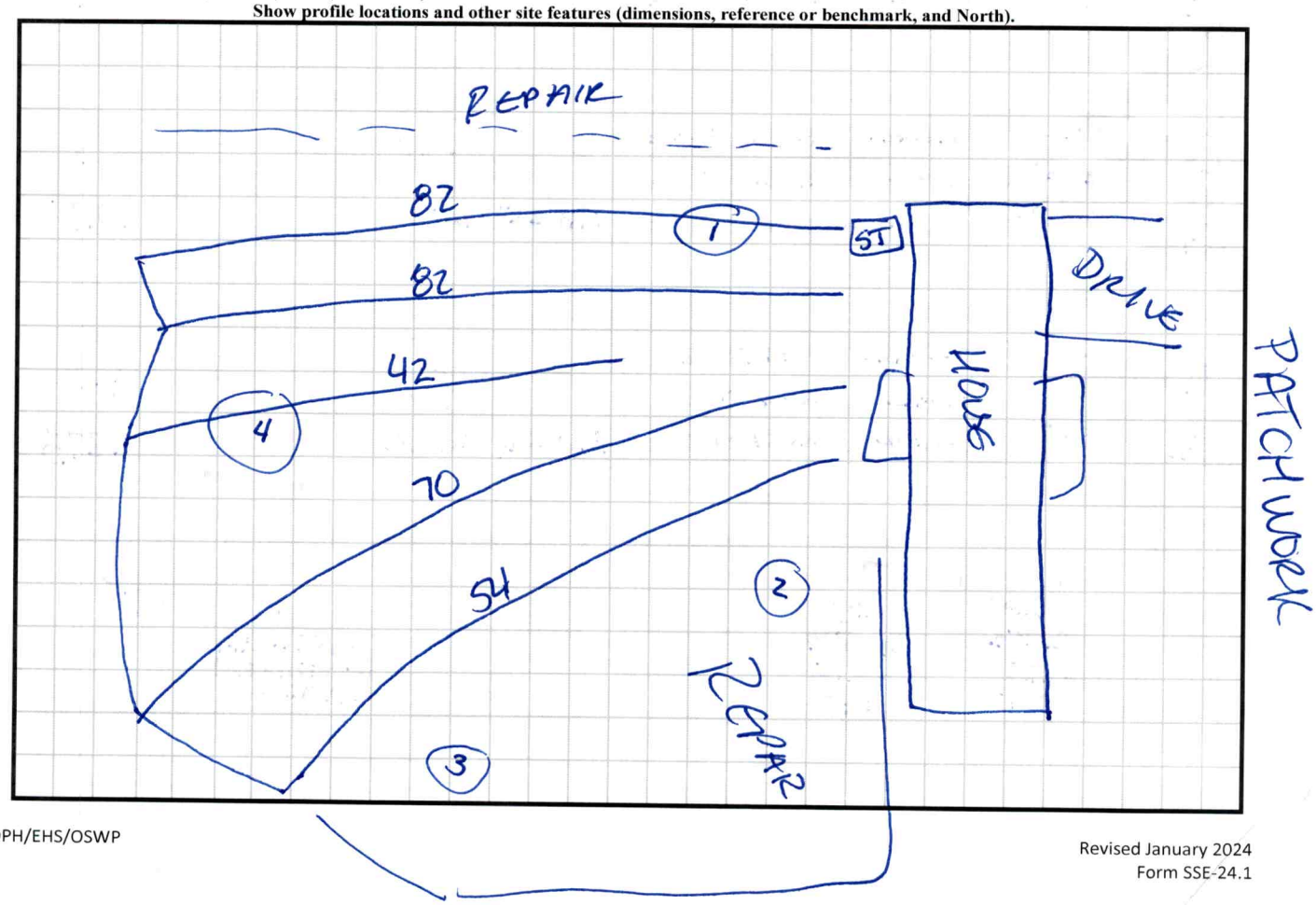
LEGEND

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).



PERMIT SNAPSHOT REPORT OSWP-2024-64438 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	10/30/2024
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:**	Williams, Sarah	**Approval Expire Date:**	
Description:	NEEDING A SEPTIC PERMIT FOR A NEW SINGLE WIDE MOBILE HOME 16X76,				

Parcel: 3792547850.000 Main	**Address:** 146 Patchwork Dr Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent FREEDOM HOMES OF TROUTMAN(MOD BOND) Home: (704) 528-7960 Business: (704) 528-7960	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 #667 FREEDOM HOMES-TROUTMA #667- USE THIS ONE FREEDOM 1124 CHARLOTTE HWY TROUTMAN, NC 28166 Business: (704) 881-2326	Property Owner Dirk Kancilia 235 Nona Avenue Trinidad, CO 81082

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	16X76 SINGLE WIDE MOBILE HOME WITH FRONT 6X10 PORCH AND 6X8 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	2	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	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)	Improvement Permit with Plat, Improvement Permit with Site Plan
Lot Acreage	2.443	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	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	WSIV CA CATAWBA/LAKE NORMAN

Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Julia Bailey	10/31/2024 8:15	OSWP-2024-64438	site plan must include the porch and setback from there	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_FREEDOM_HOMES-TROUTMAN_10/30/2024.jpg	10/30/2024 13:00	Kimberly Frye, Freedom Homes		Uploaded via CSS
SPENCE AUTH TO ACT_v1.pdf	10/30/2024 14:29	Kimberly Frye, Freedom Homes	Available Online	
SPENCE FLOOR PLAN_v1.pdf	10/30/2024 14:43	Kimberly Frye, Freedom Homes	Available Online	
Spence soil scientist_v1.pdf	10/30/2024 14:43	Kimberly Frye, Freedom Homes	Available Online	
SPENCE PLOT PLAN_v2.pdf	10/31/2024 10:55	Kimberly Frye, Freedom Homes	Available Online	
SPENCE PLOT PLAN_v2.pdf	10/31/2024 10:55	Kimberly Frye, Freedom Homes	Available Online	

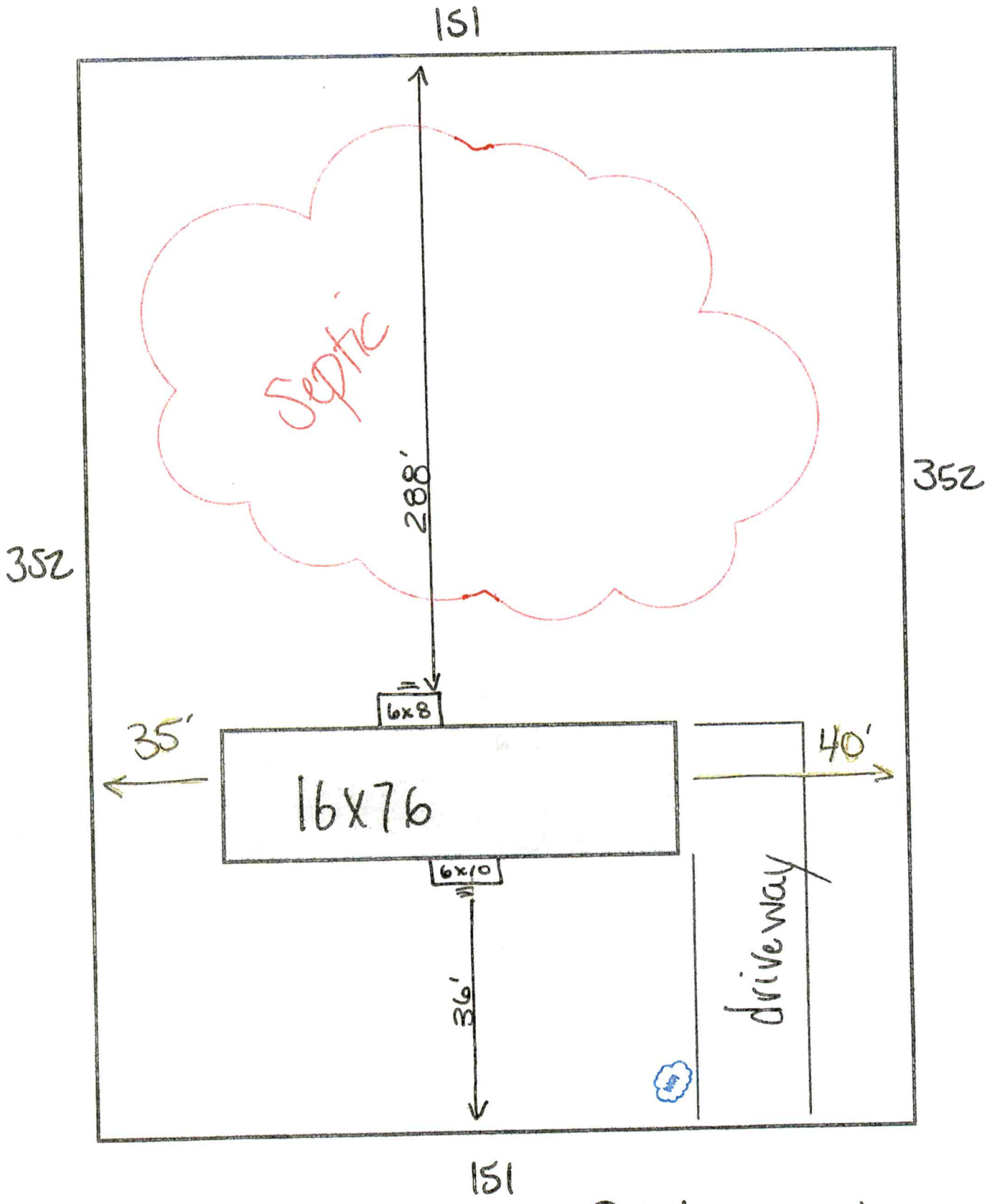
Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-261410	Requested	OSWP Septic/Well Preliminary Site Visit	11/01/2024	11/04/2024 0:00	11/04/2024 0:00		

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-00037620	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00037620	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		10/30/2024 14:44	10/30/2024 14:45
Confirm application complete v.1	Generic Action		10/30/2024 14:45
Zoning Review v.1		10/31/2024 11:01	11/01/2024 8:06
~~Floodplain Admin Overview v.1~~	Task		10/31/2024 11:00


151
352
352
Septic
288'
6x8
35'
16x76
40'
6x10
36'
driveway
151
Patchwork dr

3792-64-05
151
152
3792-54-7754
2
151
PB 84-24
352
151
151
146
3792-54-7869
1
3792-64-1
352
Patchwork Dr
125
125
428
3792-55-7129
3792-21-7177
3792-65-12
1