ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

SH

PERMIT : OSWP 2024-5[illegible]37 (MANF - 2024 - 51030)

PIN # 3783-45-9663

APPLICANT/OWNER: Freedom Homes Trautman | APPLICANT ADDRESS: 1124 Charlotte Hwy Trautman NC 28166

SITE ADDRESS: 397 Lookout Dam Rd Statesville NC 28625 | PHONE: 704 528 7960 | ALT. PHONE: —

SITE DIRECTIONS: I 40 W → (R) Sharon School → (L) Lookout Dam | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: River Rock Farms | SECTION: — | LOT # 1 | LOT AREA: 1.083 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.275

Septic Tank 1000 (gal) STB 760 Date 6-1-2024 | ☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI | ☒ Residence No. Bedrooms 3 | Water Supply: ☒ Private

Pump Tank — (gal) PT — Date — | System Description: Gravity 25% Reduction | ☐ Business No. Persons 6 | ☐ Public

Pump Make — Model — Serial # — | Repair System Description: Gravity VPPBPS | ☐ Other No. Employees — | ☐ Community

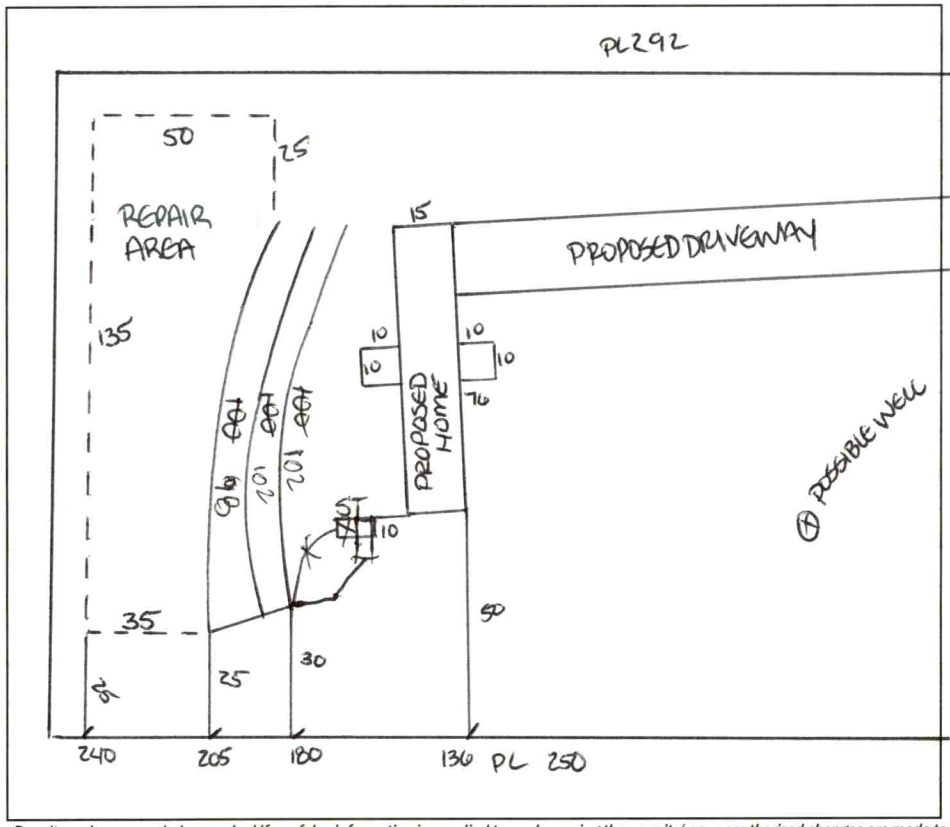
Nitrification Fields 1 # Lines 3 Linear Ft 300 | Maintenance Agreement Required: ☐ YES ☒ NO | ☐ Slab ☒ Crawl Space

Trench Width 36 *Max. Trench Depth(Initial) 32 *Max. Trench Depth(Repair) 32 Gravel Depth — | ☒ GRAVITY ☐ PRESSURE | ☐ Basement w/plumbing ☐ Basement w/o plumbing

* 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): 48 | Usable Depth to LC (Repair): 48 *Limiting Condition*

Comments / Conditions: Install on contour 9' on center. Utilize serial distribution. Do not grade, pave, park, drive over septic area.

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.

INSTALLED AS SHOWN

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: ONLINE | Date: — | Installed by: FRYE GRADING

IMPROVEMENT PERMIT by: Sarah Williams | Date: 7/31/2024 | OPERATION PERMIT by: Sarah Williams | Date: 7/18/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 7/31/2024 | 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? _____	

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

PROPERTY ID #: 3783-55-4477
COUNTY: IREDELL

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

(Complete all fields in full)

OWNER: FREEDOM HOMES DATE EVALUATED: 6/5/2024
ADDRESS: 1124 Chanolte Hwy Troutman NC 28166
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE:
LOCATION OF SITE: 397 Lookout Dam Rd Statesville NC 28625 PROPERTY RECORDED: NO
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other — WATER SUPPLY SETBACK: 50
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 10-12	0-6	SL SBK	SS SP SE FR	quartz fragments throughout CL SAP incl begin @ 50"+	60		—	S 0.3	4
		6-28	C ABK	S P SE FR						
		28-60	CL WABK	SS SP SE FR						
2	LS 10-12	0-7	SL SBK	SS SP SE FR	heavy SAP incl in CL 28"+	60		—	S 0.3	4
		7-26	C ABK	S P SE FR						
		26-60	CL WABK	SS SP SE FR						
3	LS 10-12	0-9	SCL SBK	SS SP SE FR	few YB in C 10YR 6/4 + 6/6 heavy SAP incl in CL 31"+	57		—	S 0.275	4
		9-31	C ABK	S P SE FR						
		31-57	CL WABK	SS SP SE FR						
4	LS 10-12	0-8	SCL SBK	SS SP SE FR	heavy SAP in CL 23"+	58		—	S 0.3	4
		8-23	C ABK	S P SE FR						
		23-58	CL WABK	SS SP SE FR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	300	328
System Type(s)	G 125%	G 125%
Site LTAR	0.3	0.275
Maximum Trench Depth	32	32

SITE CLASSIFICATION (.0509): S 0.3
EVALUATED BY: S. Williams
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).

