ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 317700

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

PIN # 4669 -- 12 -- 3160

APPLICANT/OWNER: Freedom Homes - Donald Meadows APPLICANT ADDRESS: 1124 Charlotte Hwy, Troutman NC 28166

SITE ADDRESS: 153 Ginger Lane, Mooresville NC 28115 PHONE: 704-887-2326 ALT. PHONE —

SITE DIRECTIONS: (S) on 21 - (L) Shinville - (L) Ginger Ln - Lot on (L) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Meadows Property MHP SECTION: — LOT # 48 LOT AREA: 1.131 AC DESIGN FLOW: 360GPD L.T.A.R.: .3 (.15 Repair)

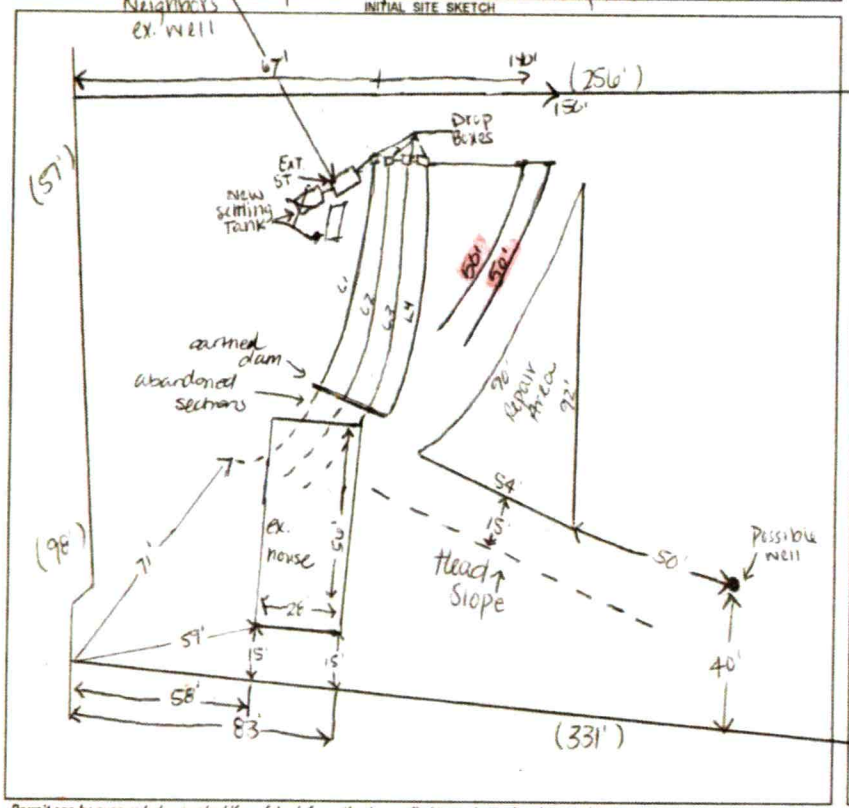
Septic Tank	Ext	(gal)	STB Ext	Date	Ext.	☐ New System	☐ Repair	☑ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 3
~~Septic~~ Tank	1000	(gal)	STB 760	Date	4-18-2022	System Description:	Ext. & 25% Reduction			☐ Business	No. Persons 6
Pump Make	—	Model		Serial #		Repair System Description:	Drip Irrigation			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	Ext + 2	Linear Ft	Ext + 100	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space
Trench Width	36"	Trench Bottom Depth(Low side)	22 inches	Gravel Depth	—		☑ GRAVITY	☐ PRESSURE		☐ Basement w/ plumbing	☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour. Install on 9ft centers. Abandon portion of Existing System. DO NOT EXCEED 33" MAX TRENCH DEPTH See previous permit for floor plan

PRE-construction meeting required. maintain 50' from all wells. Proposed house must meet zoning requirements. New 1000 gal. Settling tank must be used. House must be set on grinder pump

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" = 50'

L1, L2, L3 = abandoned as low required 4/13/22

L4 = 62' 66' of each kept

= new lines

INSTALLED AS SHOWN

Voluntary Relinquishment of Appeal Rights Needed

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: Kimberly Grye Date: 5/23/22 Installed by: ADAN GARCIA

IMPROVEMENT PERMIT by: D. Weberg Date: 5/19/22 OPERATION PERMIT by: Burgent C. Weber Date: 6-17-2022

AUTHORIZATION TO CONSTRUCT by: D. Weberg Date: 5/19/22 Existing System Inspected by: Date:

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

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? _____	

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 317700

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

PIN # 4669 -- 12 -- 3160

APPLICANT/OWNER: Freedom Homes - Donald Meadows APPLICANT ADDRESS: 1124 Charlotte Hwy, Troutman NC 28166

SITE ADDRESS: 153 Ginger Lane, Mooresville NC 28115 PHONE: 704-881-2326 ALT. PHONE —

SITE DIRECTIONS: (S) on 21 - (L) Shinville - (L) Ginger Ln - Lot on (L) SAP CONTROLLED: ☐ YES ☑ NO

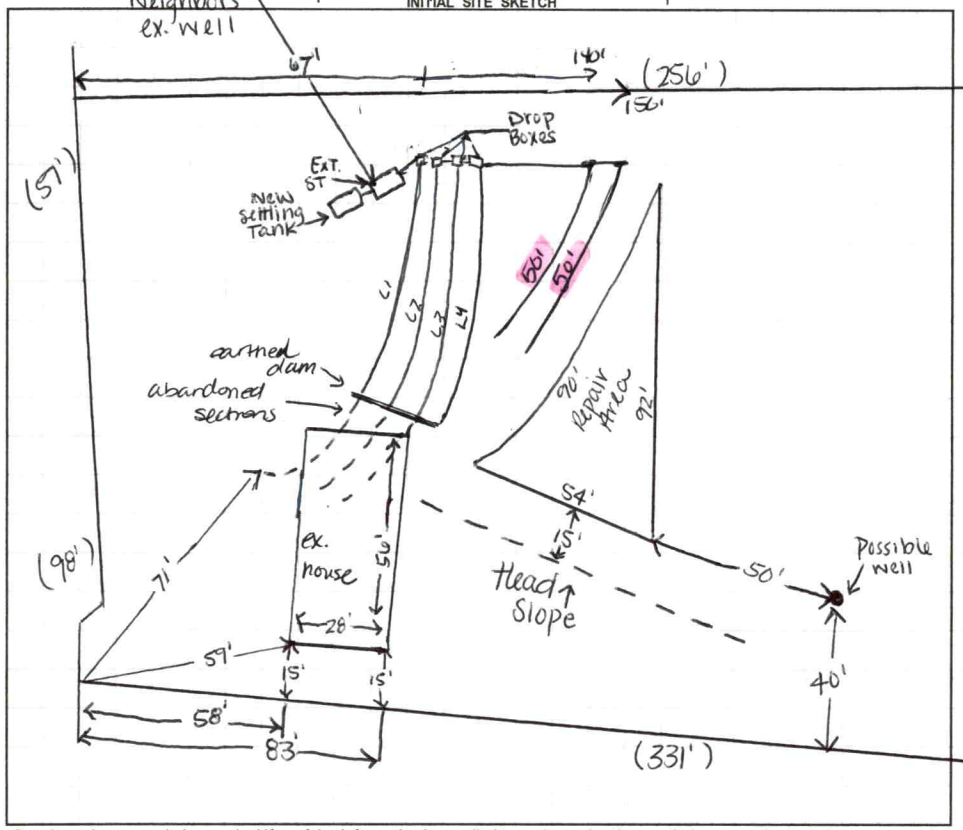
SUBDIVISION: Meadows Property MHP SECTION: — LOT # 48 LOT AREA: 1.131 AC DESIGN FLOW: 360GPD L.T.A.R.: .3 (0.15 Repair)

Septic Tank	Ext.	(gal)	STB	Ext.	Date	Ext.	☐ New System	☐ Repair	☑ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	3	Water Supply	
~~Settling~~ Tank	1000	(gal)	PT		Date		System Description: Ext. & 25% Reduction				☐ Business	No. Persons	6	☑ Private	
Pump Make	—		Model		Serial #		Repair System Description: Drip Irrigation				☐ Other	No. Employees		☐ Public	
# Nitrification Fields	1	# Lines	Ext + 2		Linear Ft	Ext + 100	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community	
Trench Width	36"	Trench Bottom Depth(Low side)	22 inches		Gravel Depth	—	☑ GRAVITY	☐ PRESSURE			☐ Basement w/plumbing			☐ Basement w/o plumbing	

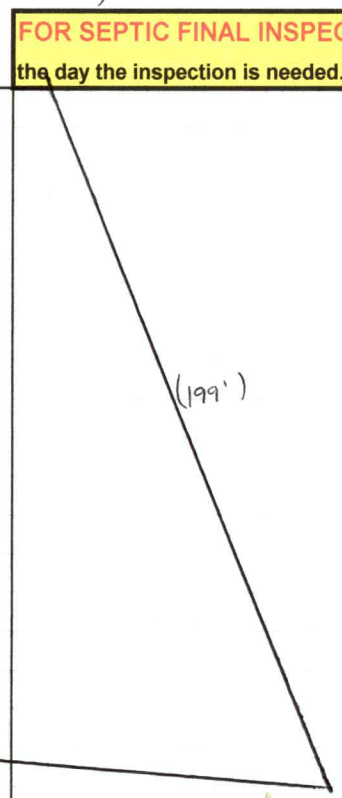
Comments / Conditions: Install on contour. Install on 9ft centers. Abandon portion of Existing System. DO NOT EXCEED 33" MAX TRENCH DEPTH See previous permit for floor plan

PRE-construction muting required, maintain 50' from all wells. Proposed house must meet zoning requirements. New 1000 gal. settling tank must be used. House must be set on grinder pump

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" = 50'

L1, L2, L3 = abandoned as per required 4/13/22

L4 = 62' 60' of each kept

= new lines

Voluntary Relinquishment of Appeal Rights Needed

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: Kimberly Long Date: 5/23/22 Installed by: _____

IMPROVEMENT PERMIT by: D. Wieberg Date: 5/19/22 OPERATION PERMIT by: _____ Date: _____

AUTHORIZATION TO CONSTRUCT by: D. Wieberg Date: 5/19/22 Existing System Inspected by: _____ Date: _____

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

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

Sheet 1 of 1
PROPERTY ID #: 4667-12-3160
COUNTY: IREDELL

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

OWNER: FREEDOM HOMES
ADDRESS: 1124 CHARLOTTE HIGHWAY, TROUTMAN, N.C. 28166
PROPOSED FACILITY: 3 BR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 153 GINGER LANE, MOORESVILLE, N.C. 28115
WATER SUPPLY: ✓Private Public ✓Well Spring Other
EVALUATION METHOD: Auger Boring ~~Pit~~ Cut
TYPE OF WASTEWATER: ✓Sewage Industrial Process Mixed

APPLICATION DATE 5-12-2021
DATE EVALUATED: 7-27-2021
PROPERTY SIZE: 1.31 AC
PROPERTY RECORDED: YES

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
1	LINEAR SIDE 12%	0-12	C, SBK	FR, S, P, SE/P	SAP INC THRU OUT	45"	PS II SL	N/A	PS .3
		12-45	CL, W SBK	FR, SS, SP, SE/P					
		45-52	SAP, MAS	FR, NS, NP, SE/P					
2	LINEAR SIDE 20%	0-12	C, SBK	FR, S, P, SE/P	SAP INC THRU OUT	24"	PS II SL	N/A	PS .325
		12-24	CL, W SBK	FR, SS, SP, SE/P					
		24-54	SAP, MAS	FR, NS, NP, SE/P					
3	LINEAR SIDE 7%	0-24	C, SBK	FR, S, P, SE/P	SAP INC THRU OUT	54"	N/A	N/A	PS .3
		24-54	CL, W SBK	FR, SS, SP, SE/P					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	EXT + 25%	DRIP
Site LTAR	0.3	0.15

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bryant C. Miller
OTHER(S) PRESENT:

COMMENTS:

Updated February 2014

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Gram) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (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/ft²

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

SEE
UPS
DATA

Updated February 2014