ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP-2023-19879

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

PIN # 4779 -- 83 -- 5399

APPLICANT/OWNER: MARK FERGUSON APPLICANT ADDRESS: 135 RIMROCK ROAD, HARMONY, N.C. 28634

SITE ADDRESS: 135 RIMROCK ROAD, HARMONY, N.C. 28634 PHONE: 630-945-5364 ALT. PHONE –

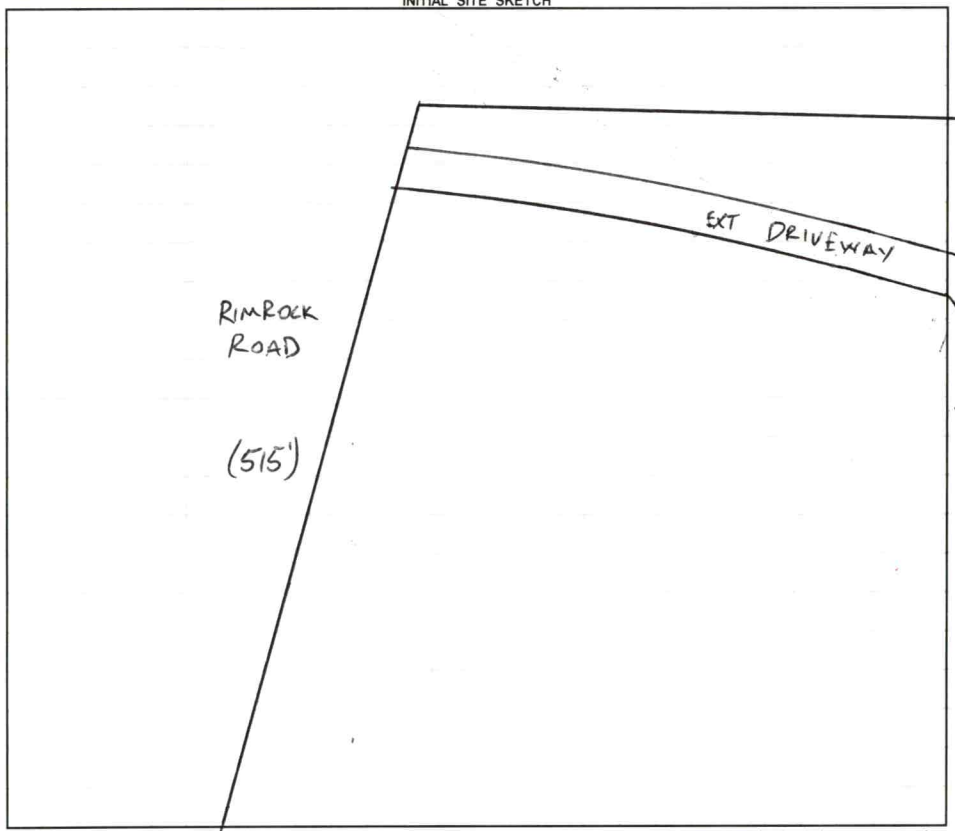
SITE DIRECTIONS: (N) ON 21, (R) ON MOUNT BETHEL, (L) ON RIMROCK, LOT ON (L) SAP CONTROLLED: ☑ YES ☐ NO

SUBDIVISION: – SECTION: – LOT # – LOT AREA: 13.46 AC DESIGN FLOW: 360GPD L.T.A.R.: 0.3

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
Pump Tank	–	(gal)	PT	–	Date	–	System Description:	EXT			☐ Business	No. Persons	6	☐ Private
Pump Make	–	Model		–	Serial #	–	Repair System Description:	20'X 60'-12IN GRAVEL BED			☐ Other	No. Employees	–	☑ Public
# Nitrification Fields	1	# Lines		1	Linear Ft	20'x 60'	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width	20'x 60'	Trench Bottom Depth(Low side)		41 IN	Gravel Depth	12 IN	☑ GRAVITY	☐ PRESSURE			☑ Basement w/plumbing			☐ Basement w/o plumbing

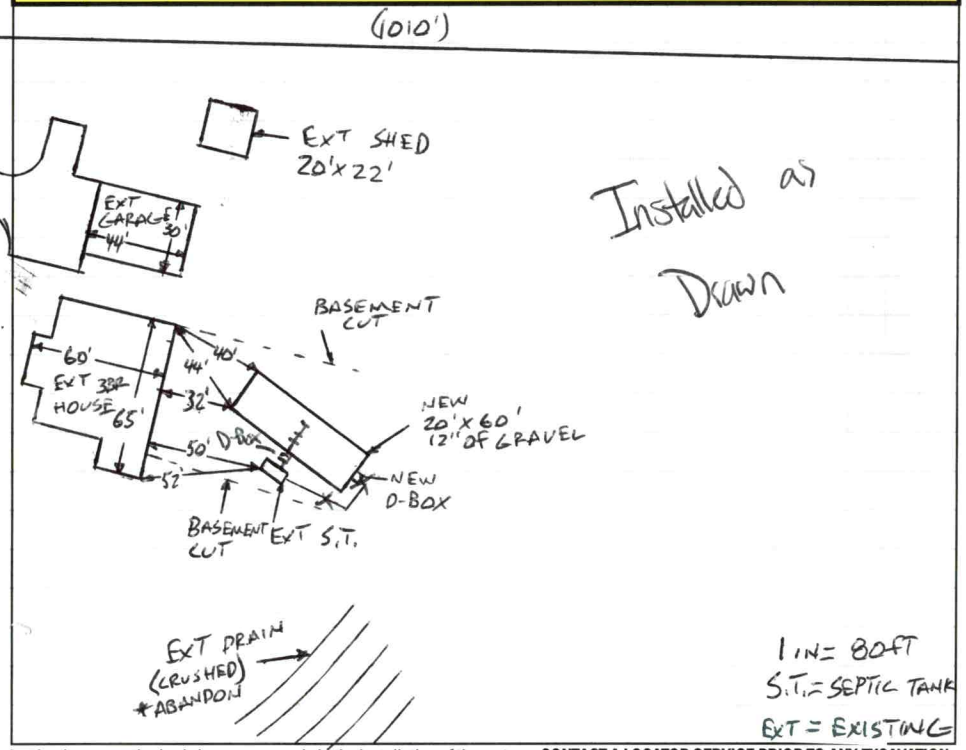
Comments / Conditions: INSTALL AS SHOWN, UTILIZE D-BOX TO EQUALLY DISTRIBUTE OVER 4 CORRAGATED LINES, DO NOT EXCEED A 47 IN MAX TRENCH DEPTH

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.



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 SIGNATURE Date: Installed by: Atlas Solutions

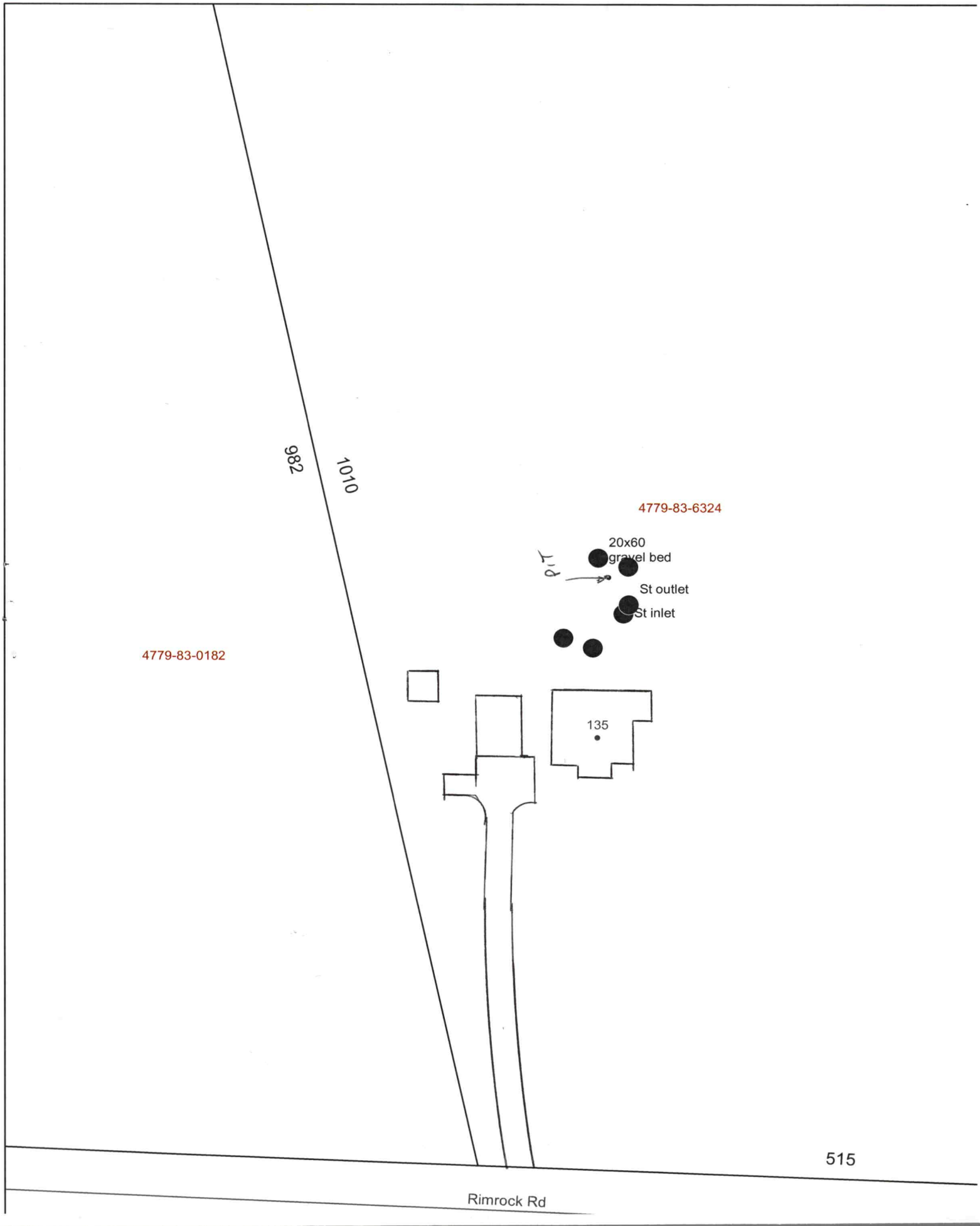
IMPROVEMENT PERMIT by: Bryant C. White Date: 4-24-2023 OPERATION PERMIT by: Cory White Date: 8/22/23

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 4-28-2023 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? _____	


982
1010
4779-83-6324
20x60
gravel bed
P/P
St outlet
St inlet
4779-83-0182
135
515
Rimrock Rd



Tax Map Information

• PIN	4779836324.000
• Address	135 RIMROCK RD
• Account #	Acct 80079157
• Tax Owner	FERGUSON MARK LIV TRUST
• Mailing Address	135 RIMROCK RD
•	HARMONY, NC 28634
• GIS Owner	FERGUSON MARK+LINDA LIV TR
• Deed Info	2782 / 1376 - WD - 20210215
• Tax Acres	13.46 AC
• Lot #	
• Description	STINE SR2139
• Zoning	RA
• Old Parcel #	0712H00000A089
• Bldg Value	$291,610
• OBXF Value	$28,080
• Land Value	$132,250
• Total Value	$451,940
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

IREDELL COUNTY, NC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 04/11/2023
Data updated 04/11/2023

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

Sheet 1 of 1
PROPERTY ID #: 4779-83-6324
COUNTY: IREDELL

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

OWNER: MARK FERGUSON — APPLICATION DATE 3-23-2023
ADDRESS: 135 RIMROCK ROAD, HARMONY, N.C. 28634 — DATE EVALUATED: 4-12-2023
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 360 GPD — PROPERTY SIZE: 13.46 AC
LOCATION OF SITE: 135 RIMROCK ROAD — 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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	FLAT BASEMENT DIG OUT 2%	0-16	C, SBK	FI, S, P, S EXP	SAP INC THRU OUT	48"	PS / II / SL	NA	PS / .3
		16-48	CL, WSBK	FR, SS, SP, SEXP					
		48-~~70~~"	SAP, MAS	VFR, NS, MP, SEXP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	—	PS
System Type(s)	—	CONV.
Site LTAR	—	0.3

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

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.

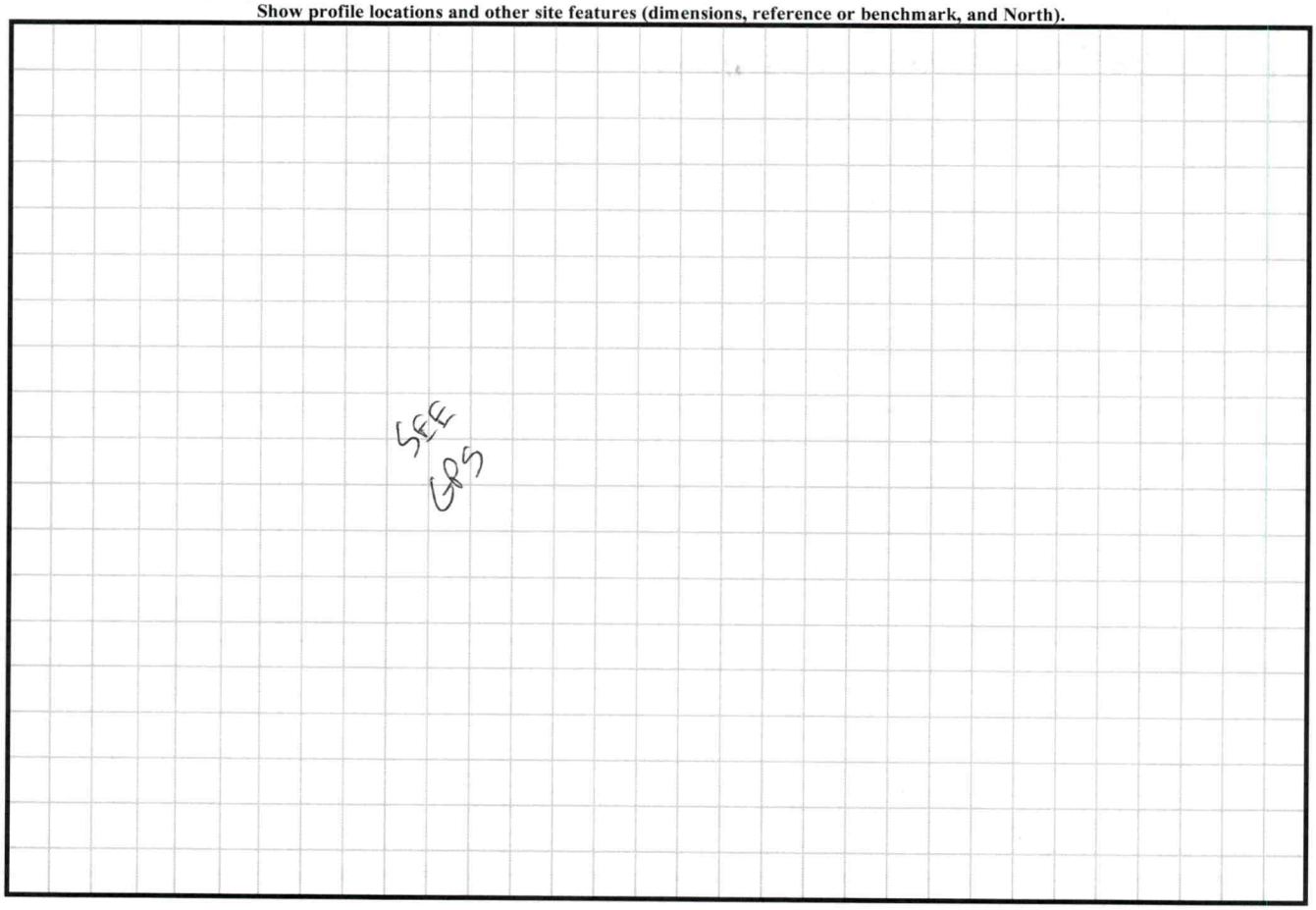
NOTES

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).



PERMIT SNAPSHOT REPORT OSWP-2023-19879 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Improvement Permit Repair
Status: PRIORITY PERMIT
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: White, Bryant
App Date: 03/23/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: Gurgling and bubbles in lowest bathroom toilet. Lentz indicates one or more leach field lines are damaged.

Parcel:	**Address:**	**Zone:**
4779836324.000 Main	135 Rimrock Rd Main Harmony, NC 28634	RA(Residential Agricultural District)

Property Owner
MARK+LINDA LIV TR
FERGUSON

Applicant/Authorized Agent
Mark Ferguson
135 Rimrock Rd
Harmony, NC 28634
Mobile: (630) 945-5364

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	What are the proposed structures	New Single Family Residence	Maximum Number of Bedrooms	3
Number of Occupants	2	Foundation Type	Basement with Plumbing	Water Supply	City Water
Desired Septic System Type	Conventional (most common)	If other septic system type, please explain		If existing, Year existing system installed	2012
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Mark_Ferguson_3/24/2023.jpg	03/23/2023 20:27	Ferguson, Mark		Uploaded via CSS
135 Rimrock Rd AA Form.pdf	03/28/2023 9:31	Nebel, Barbara	Available Online	AA Form
135 Rimrock Rd Site Plan.pdf	03/28/2023 13:06	Nebel, Barbara	Available Online	Site Plan

Invoice No.	Fee	Fee Amount	Amount Paid
NOT INVOICED	Existing System Septic Repair Permit	$150.00	$0.00
	Total for Invoice NOT INVOICED	$150.00	$0.00
	Grand Total for Permit	**$150.00**	**$0.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/28/2023 13:06	03/28/2023 13:06
Confirm application complete v.1	Generic Action		03/28/2023 13:06
~~**Zoning Review v.1**~~			03/28/2023 13:06
~~Floodplain Admin Overview v.1~~	Task		03/28/2023 13:06
~~Iredell County Zoning Approval v.1~~	Task		03/28/2023 13:06
~~Issue Invoice v.1~~	Generic Action		03/28/2023 13:06
~~Fees Paid v.1~~	Generic Action		03/28/2023 13:06
Assign v.1			
Case Assigned v.1	Generic Action		
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Permit Ready v.1			
Issue Permit v.1			

PERMIT SNAPSHOT REPORT (OSWP-2023-19879)

Issue Invoice v.1	Generic Action
Fees Paid v.1	Generic Action
Issue Permit v.1	Generic Action
Environment Health Inspections v.1	
Operation Permit Inspection v.1	Inspection

THIS PERMIT REPLACES PREVIOUS ISSUED 2-11

IREDELL COUNTY HEALTH DEPARTMENT - *ENVIRONMENTAL HEALTH* ☐ STATESVILLE OFFICE 704-878-5305 ☐ MOORESVILLE OFFICE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT # 159659 PIN # 4779-83-6324 DATE JANUARY 5, 2011

OWNER MARK FERGUSON APPLICANT: PHONE: Home/Cell # 704-761-6642 Business # 630-831-1913

SITE ADDRESS RIMROCK RD. OWNER / APPLICANT ADDRESS

SITE DIRECTIONS US 21 N, TR MT. BETHEL RD, TL RIMROCK RD 700 FEET ON LEFT, 315' BACK OFF ROAD

SUBDIVISION BLOCK / SECTION LOT # LOT AREA 13.452 AC. DESIGN FLOW 360 L.T.A.R. 0.30 GPD/SF

Septic Tank 1000 Gallons: STB Date

Pump Tank Gallons: P T Date

Pump Make Model Serial #

No. Nitrification Fields: 1 No. Lines FIVE Linear Feet 300'

Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth

☐ New System ☐ Repair ☐ Expansion System Type I II (III) IV V VI

System Description: 25% REDUCTION GRAVITY

Repair System Description: CONVENTIONAL PUMP

Maintenance Agreement Required ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

☑ Residence ☐ Business ☐ Other ☐ Slab ☐ Crawl Space ☑ Basement w/plumbing ☐ Basement w/o plumbing

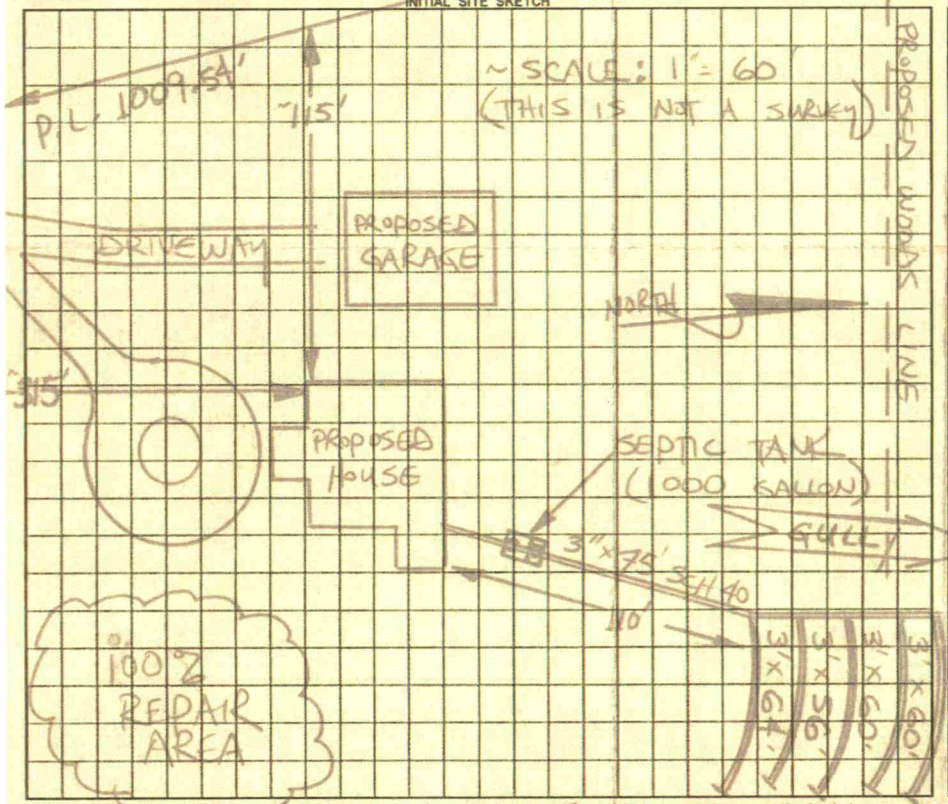
No. Bedrooms 3 No. Persons No. Employees

Water Supply: ☐ Private ☑ Public ☐ Community

Comments / Conditions

1. INSTALL TRENCHES ON CONTOUR.
2. KEED SYSTEM MINIMUM 15' FROM EMBANKMENTS OF 2 FEET OR MORE IN VERTICAL HEIGHT.
3. INSTALL 25% REDUCTION SYSTEM.

INITIAL SITE SKETCH



AS BUILT SKETCH

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☐ ***IMPROVEMENT PERMIT*** with plat valid without expiration. ☑ ***IMPROVEMENT PERMIT*** with plat valid without expiration. 60 MOS. ☑ ***AUTHORIZATION TO CONSTRUCT*** valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Mark Ferguson Date 01-06-2011 Installed by: Tommy Fine

IMPROVEMENT PERMIT by: STEVE HENDRICK ***REHS*** Date 01-05-2011 OPERATION PERMIT by: ***REHS*** Date 6-21-11

AUTHORIZATION TO CONSTRUCT by: STEVE HENDRICK ***REHS*** Date 01-05-2011 Existing System Inspected by: ***REHS*** Date

YOU SHOULD CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

White Copy – Environmental Health YELLOW COPY (Final) Owner / Applicant PINK COPY (Initial) Owner / Applicant