ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

PERMIT: OSWP 2024-49911

PIN # 4668-81-7884 ✓

APPLICANT/OWNER: Casey Moore | APPLICANT ADDRESS: 144 Sardis Rd, Mooresville 28115

SITE ADDRESS: 144 Sardis Rd, Mooresville 28115 ✓ | PHONE: 910-618-7833 | ALT. PHONE: —

SITE DIRECTIONS: Oakridge Farm - @ West Park Ave - @ Sardis - Lot on @ | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Beverly Park ✓ | SECTION: — | LOT # 36-39 ✓ | LOT AREA: .45 | DESIGN FLOW: 360gpd | L.T.A.R (Initial): — | L.T.A.R (Repair): .3

Septic Tank	1050 (gal)	STB 760	Date	☐ New System	☑ Repair	☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT	Date	System Description:	—			☐ Business	No. Persons 6
Pump Make	Model		Serial #	Repair System Description:	25% Reduction			☐ Other	No. Employees
# Nitrification Fields	1	# Lines 4	Linear Ft 300'	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space
Trench Width 36"	*Max. Trench Depth(Initial) —	*Max. Trench Depth(Repair) 22"	Gravel Depth —		☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

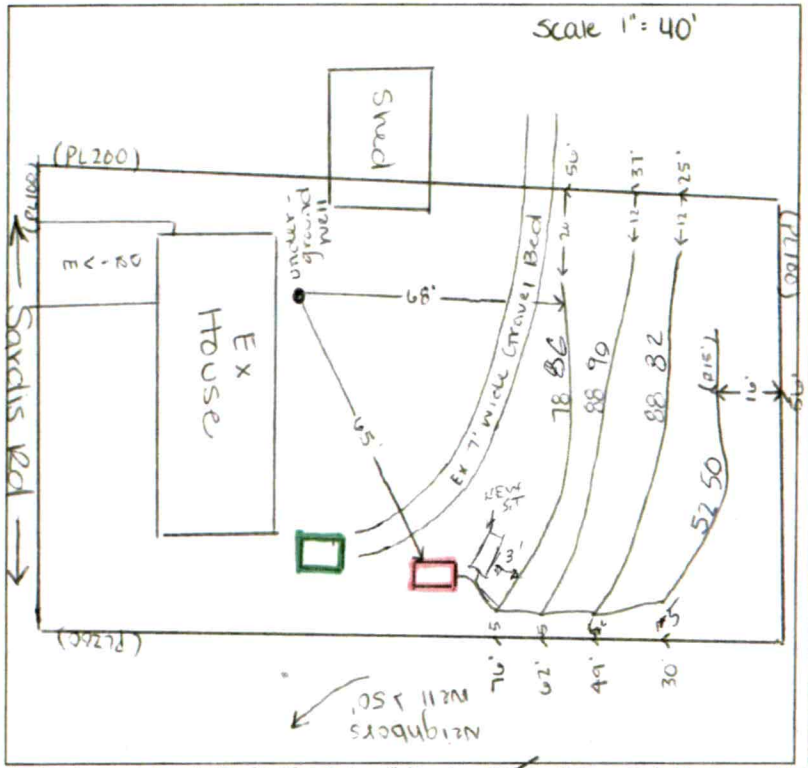
Water Supply: ☑ Private ☐ Public ☐ Community

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

Comments / Conditions: Pump, crush, & fill old tank. Keep 50' off well. Do not pave, grade, park, drive or bury utilities in drainfield.

No existing permit on file, evaluated system given credit for 3BR due to size. Do not exceed a 22" low side.

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.

Ex S.T to be pumped, crushed & Filled

New S.T

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: LEN2 WASTEWATER

IMPROVEMENT PERMIT by: Sydney Holland | Date: 5/2/24 | OPERATION PERMIT by: Bryant C. White | Date: 6-3-2023

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 5/2/24 ✓ | Existing System Inspected by: | Date: ✓

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PERMIT : OSWP 2024-49911

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

PIN # 4668-81-7884

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SITE ADDRESS: 144 Sardis Rd, Mooresville 28115 | PHONE: 810-618-7833 | ALT. PHONE —

SITE DIRECTIONS: Oakridge Farm - (R) West Park Ave - (R) Sardis - Lot on (R) | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Beverly Park | SECTION: - | LOT # 36-39 | LOT AREA: .45 | DESIGN FLOW: 360 gpd | L.T.A.R (Initial): — | L.T.A.R (Repair): .3

Septic Tank 1000 (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 4 Linear Ft 300'

Trench Width 36" *Max. Trench Depth(Initial) — *Max. Trench Depth(Repair) 22" Gravel Depth —

* Measured on the downhill side of the trench

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

System Description: —

Repair System Description: 25% Reduction

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

Usable Depth to LC (Initial): —

☑ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

☐ Slab ☑ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

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

Water Supply

☑ Private

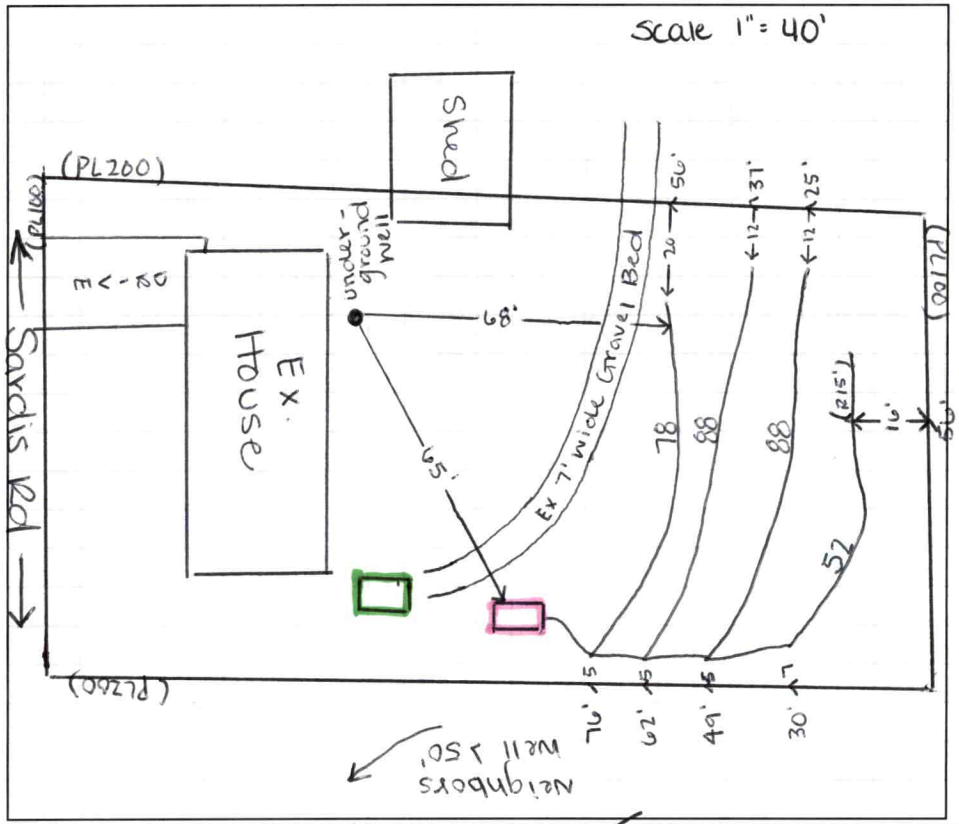
☐ Public

☐ Community

Comments / Conditions: Pump, crush, & fill old tank. Keep 50' off well! Do not pave, grade, park, drive or hang utilities in drainfield.

No existing permit on file, evaluated system given credit for 3BR due to size. Do not exceed a 22" low side.

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AS BUILT SKETCH

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New S.T

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☐ **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:

IMPROVEMENT PERMIT by: Sydney Holland | Date: 5/2/24 | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 5/2/24 | 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

[Repair]

PROPERTY ID #: 4668817884
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Casey Moore DATE EVALUATED: 5-1-24
ADDRESS: 144 Sardis Rd, Mooresville
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): PROPERTY SIZE:
LOCATION OF SITE: 144 Sardis Rd, Mooresville PROPERTY RECORDED: Yes
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 11%	0-30	C/SBK	SS-SP-FR-SE	— Sap inc.	48" common thru out	—	—	P.S .3	47%
		30-48	CL/SBK	SS-SP-FR-SE						
2	LS 17%	0-22	C/SBK	SS-SP-FR-SE	10YR 4/2 @ 40"+	48"	—	—	P.S .3 above 40"	67%
		22-48	CL/SBK	SS-SP-FR-SE						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	—	300'
System Type(s)	—	25%
Site LTAR	—	.3
Maximum Trench Depth	—	22"

SITE CLASSIFICATION (.0509): P.S
EVALUATED BY: S. Holland
OTHER(S) PRESENT: S. Williams

Comments:

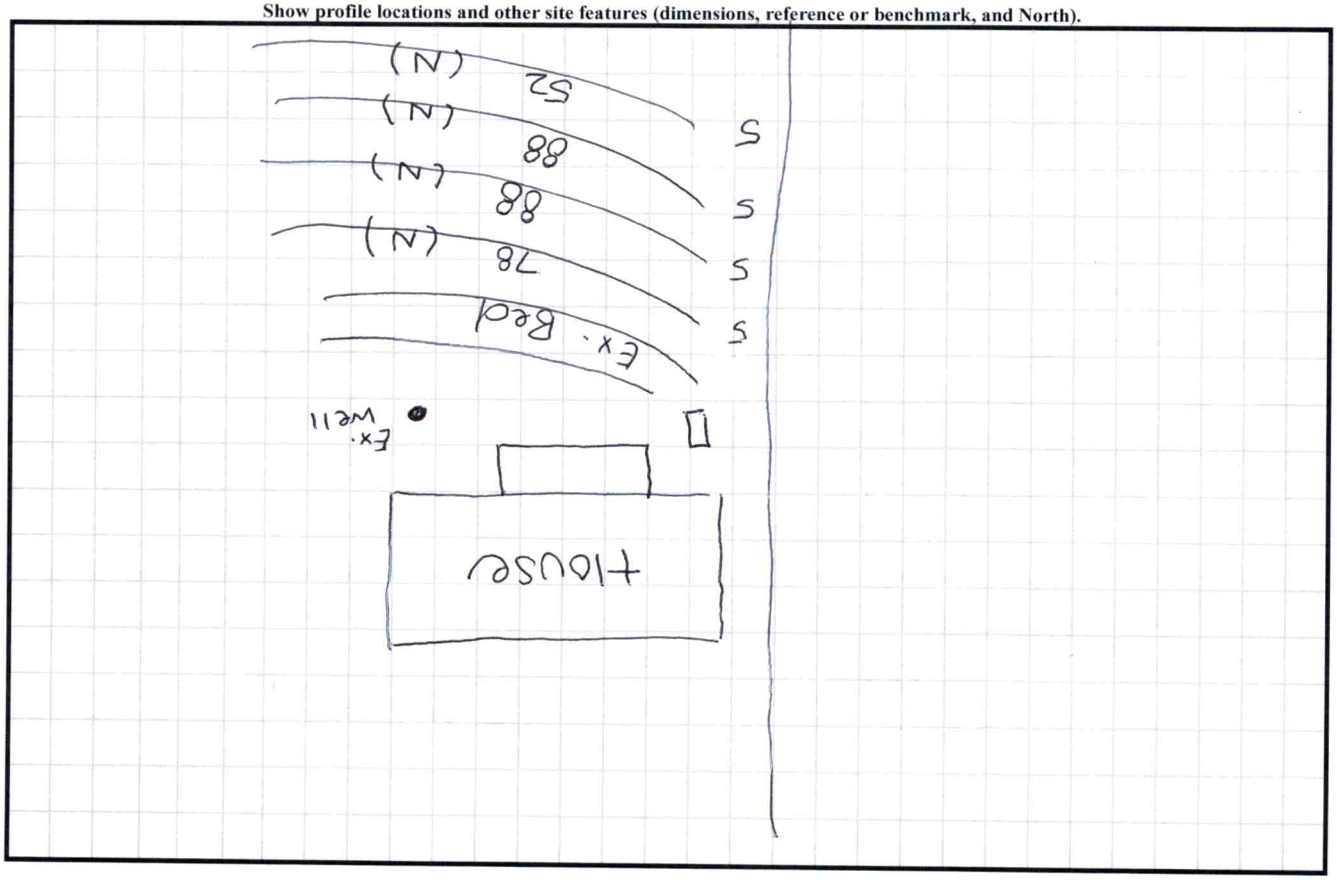
LEGEND

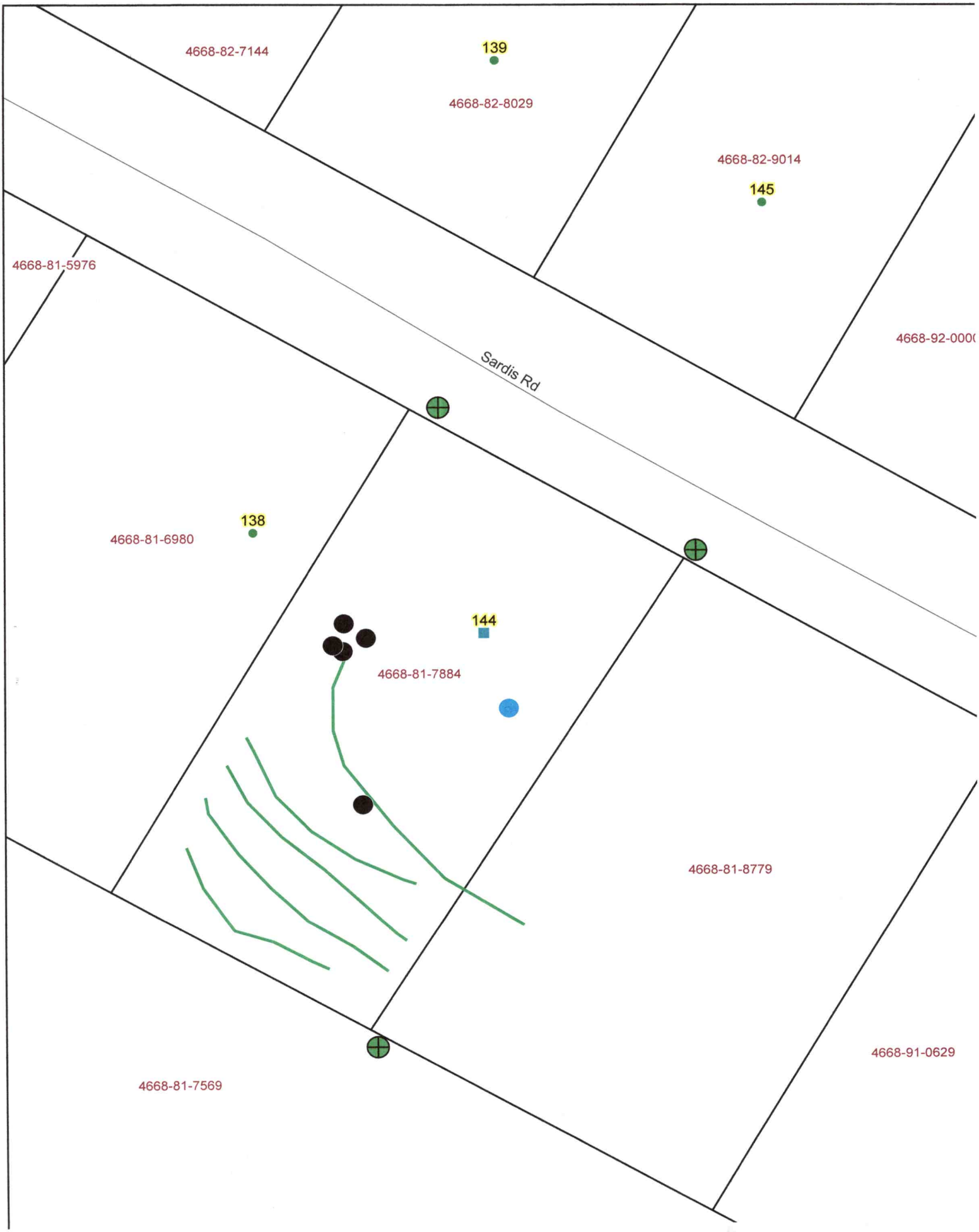
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).




4668-82-7144
139
4668-82-8029
4668-82-9014
145
4668-81-5976
4668-92-000(
Sardis Rd
138
4668-81-6980
144
4668-81-7884
4668-81-8779
4668-91-0629
4668-81-7569


4668-82-7144
139
4668-82-8029
4668-82-9014
145
4668-81-5976
4668-92-0000
Sardis Rd
4668-81-6980
138
144
4668-81-7884
-3BR-
-3LTAR
78
88
88
50
4668-81-8779
4668-81-7569
4668-91-0629

PERMIT SNAPSHOT REPORT OSWP-2024-49911 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/26/2024
Work Class:	EH Septic Permit	**District:**	Mooresville	**Exp Date:**	NOT AVAILABLE
Status:	Need to Draw	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Holland, Sydney	**Approval Expire Date:**	
Description:	Failing septic drains, need repair				

Parcel: 4668817884.000 Main	**Address:** 144 Sardis Rd Main Mooresville, NC 28115	**Zone:** MOORESVILLE(MOORESVILLE)

Property Owner	Applicant/Authorized Agent
Casey D Moore	Casey D Moore
144 SARDIS RD	144 SARDIS RD
Mooresville, NC 28115	Mooresville, NC 28115
Mobile: (810) 618-7833	Mobile: (810) 618-7833

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Repair	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	N/A
Maximum Number of Bedrooms	3	If other Addition/Structure, please explain		Number of Occupants	4
Foundation Type	Crawl Space Foundation	Residential/Business/Other	Residential	Water Supply	Existing Well
Desired Septic System Type	Conventional (most common)	Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Casey_Moore_3/26/2024.jpg	03/26/2024 10:06	Moore, Casey		Uploaded via CSS
Moore form_v1.pdf	03/26/2024 11:44	Moore, Casey	Available Online	
144 Sardis-NOV.pdf	04/03/2024 9:09	Holland, Sydney	Available Online	NOV

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End
2024-202904	Passed - Permit	OSWP Site Evaluation	04/03/2024	04/02/2024 0:00	04/02/2024 0:00	04/03/2024 9:08	04/03/2024

Inspectors: Holland, Sydney (Primary)

Note	Created By	Date and Time Created
1. Owner to have both property lines marked. Will try to keep new system on current lot, if not possible, owner will have to combine lots or give themselves an easement for the footage needed on other lot. NOV issued 4/3/24.	Sydney Holland	04/03/2024 9:10
2. Survey complete 4/21/24	Sydney Holland	04/24/2024 13:51

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00029087	Existing System Septic Repair Permit	$150.00	$150.00
	Total for Invoice INV-00029087	$150.00	$150.00
	Grand Total for Permit	**$150.00**	**$150.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/26/2024 11:43	03/26/2024 1
Confirm application complete v.1	Generic Action		03/26/2024 1