ICHD - ENVIRONMENTAL HEALTH DIVISION

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

MHNF - 2024 - 624960

PERMIT: OSWP 2024 59968

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

PIN # 4824 - 51 - 0479

APPLICANT/OWNER: Patricia Jenkins

APPLICANT ADDRESS: 202 Butch Branch Rd Union Grove NC 28689

SITE ADDRESS: 401 Zeb Rd Union Grove NC 28689

PHONE: 704 875 2684

ALT. PHONE

SITE DIRECTIONS: I-77 N → Hwy 901 W → Grassy Knob Rd → Zeb Rd

SAP CONTROLLED: ☒ YES ☐ NO

SUBDIVISION: Jenkins Family

SECTION: —

LOT # 3

LOT AREA: 16.17

DESIGN FLOW: 360

L.T.A.R.(Initial): 0.3

L.T.A.R (Repair): 0.3

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) 30" *Max. Trench Depth(Repair) 30" Gravel Depth —

* Measured on the downhill side of the trench

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

System Description: Gravity 25% Reduction

Repair System Description: Gravity 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): 60

Usable Depth to LC (Repair): 60 *Limiting Condition*

☒ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees —

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

☒ Private

☐ Public

☐ Community

Comments / Conditions: Install on contour 9' on center. Do not drive pave, grade etc. in septic area. divert drainage away from septic. Utilize serial distribution

INITIAL SITE SKETCH

See attached site plan by ICHD.

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 Date: —

Installed by: Al Backhoe

IMPROVEMENT PERMIT by: Sarah Williams Date: 9/12/2024

OPERATION PERMIT by: Sarah Williams Date: 11/19/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 9/12/2024

Existing System Inspected by: Date:

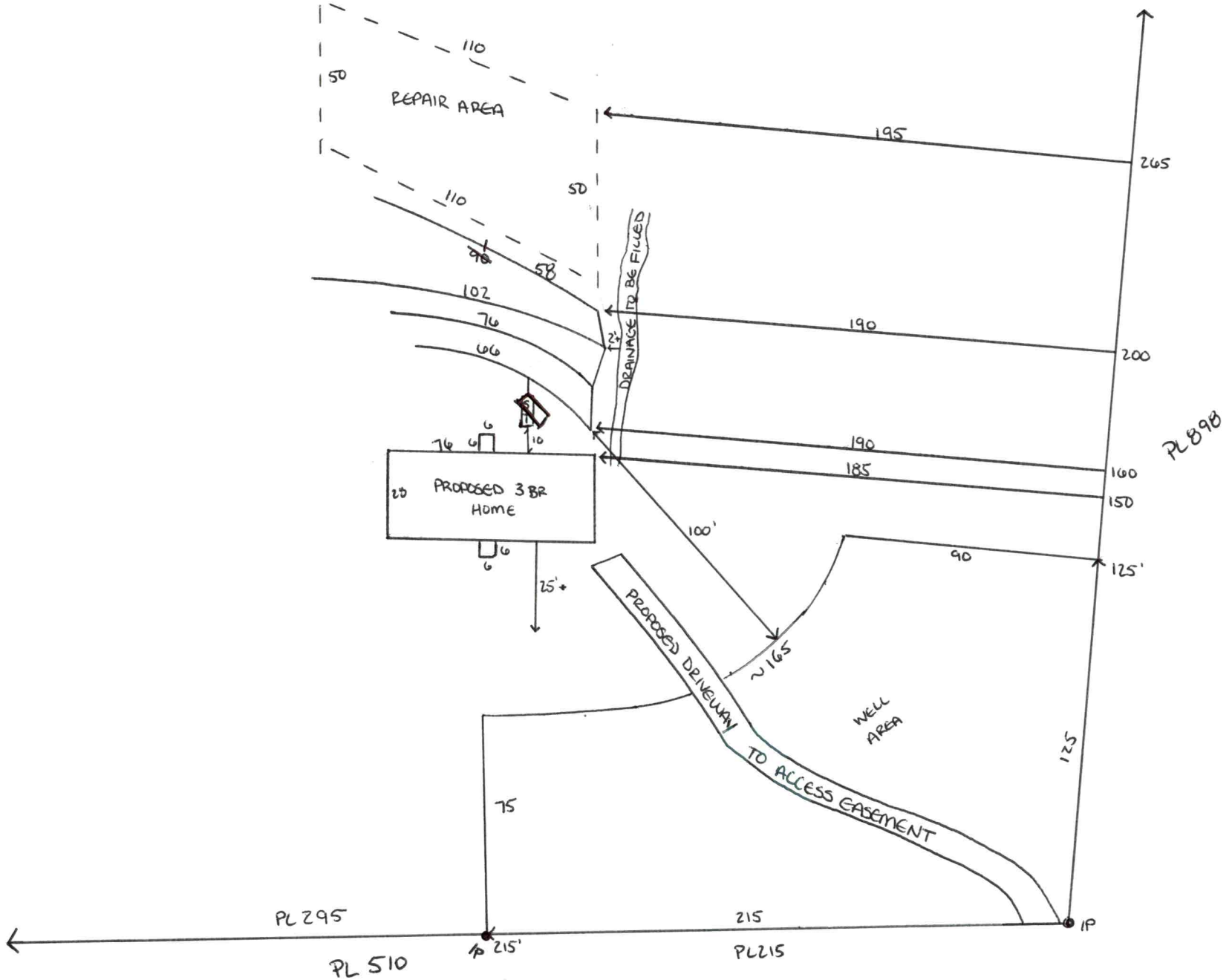
Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

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? _____	

SH

401 Zeb Rd Union Grove NC 28689

SCALE 1" = 50'



PERMIT SNAPSHOT REPORT OSWP-2024-59968 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/16/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	On Hold	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Sloan, Chrystal	**Approval Expire Date:**	

Description: Septic and well permits; Advised applicant to apply for well separatedly LF 8/16

Parcel: 4824510479.000 Main	**Address:** 401 Zeb Rd Union Grove, NC 28689 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent	Applicant/Authorized Agent
Patricia K Jenkins	Deena Abee	Deena Abee
202 Butch Branch Road	2381 Us Highway 64 W	2381 Us Highway 64 W
Union Grove, NC 28689	Mocksville, NC 27028	Mocksville, NC 27028
Mobile: (704) 875-2684		

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	Yes
Non-domestic Sewage Generated	No	Other Public Agency	Yes	All proposed structure dimensions	Used 28 x 76 on-frame modular with 2 - 6 x 6 decks
What are the proposed structures	New Single-Family Residence - Modular	Type of New Single-Family Residence	Modular	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	New Well	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		Has this project been approved by TRC	No
Lot Acreage	16.17	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	A 25 FOOT EASEMENT IS REQUIRED. MUST SHOW PROOF OF DEEDED 25 FOOT EASEMENT.
Additional Unique Setbacks Apply	No	Watershed	WSIII BOW HUNTING CREEK		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Deena_Abee_8/16/2024.jpg	08/16/2024 13:17	Abee, Deena		Uploaded via CSS
401 Zeb Rd - floor plan_v1.pdf	08/16/2024 14:56	Abee, Deena	Available Online	
401 Zeb Rd - Authorization to Act_v1.pdf	08/16/2024 14:57	Abee, Deena	Available Online	
401 Zeb Rd - site plan_v2.pdf	08/19/2024 12:23	Abee, Deena	Available Online	
401 zeb access easement.pdf	09/03/2024 8:21	Williams, Deborah	Available Online	easement

PERMIT SNAPSHOT REPORT (OSWP-2024-59968)

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00035436	New Gravity System		$500.00	$500.00
	Iredell Zoning Permit Fee		$75.00	$75.00
	Iredell Zoning Tech Fee		$2.25	$2.25
		Total for Invoice INV-00035436	$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		08/16/2024 14:59	08/16/2024 14:59
Confirm application complete v.1	Generic Action		08/16/2024 14:59
Zoning Review v.1		08/16/2024 15:32	
~~Floodplain Admin Overview v.1~~	Task		08/16/2024 15:31
Iredell County Zoning Approval v.1	Task	08/16/2024 15:32	
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Fees v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		

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

PROPERTY ID #: 4824-51-0479
COUNTY: IREDELL

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

(Complete all fields in full)

OWNER: Patricia K Jenkins DATE EVALUATED: 9/3/2024
ADDRESS: 202 Butch Branch Rd Union Grove NC 28689
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 16.17
LOCATION OF SITE: 401 Zeb Rd Union Grove NC 28689 PROPERTY RECORDED: Y
WATER SUPPLY: ☐ Public ☒ Single Family Well ☐ Shared Well ☐ Spring ☐ Other — WATER SUPPLY SETBACK: 100
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 12-15%	0-11	C ABK	SSSP SE FR	heavy SAP in CL	23"		23"+	S 0.1 DRIP	6
		11-23	CL ABK	SSSP SE FR						
		23"+	ROCK	—						
2	LS 12-15%	0-13	C ABK	SSSP SE FR	SAP incl in CL Quartz common throughout	36"		—	S 0.3	6
		13-36	CL WABK	SSSP SE FR						
		36-62	LSAP M	NSNP SE VFR						
3	LS 12-15%	0-24	C ABK	SSSP SE FR	SAP incl in CL Quartz common throughout	43"		—	S 0.3	6
		24-43	CL WABK	SSSP SE FR						
		43-60	LSAP M	NSNP SE VFR						
4	LS 12-15%	0-27	C ABK	SSSP SE FR	heavy SAP in CL	39"		—	S 0.3	6
		27-39	CL WABK	SSSP SE FR						
		39-60	SLSAP M	NSNP SE VFR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	300'	300'
System Type(s)	G 25%	G 25%
Site LTAR	0.3	0.3
Maximum Trench Depth	30"	30"

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

Comments:

LS ~~0-25 25-55~~

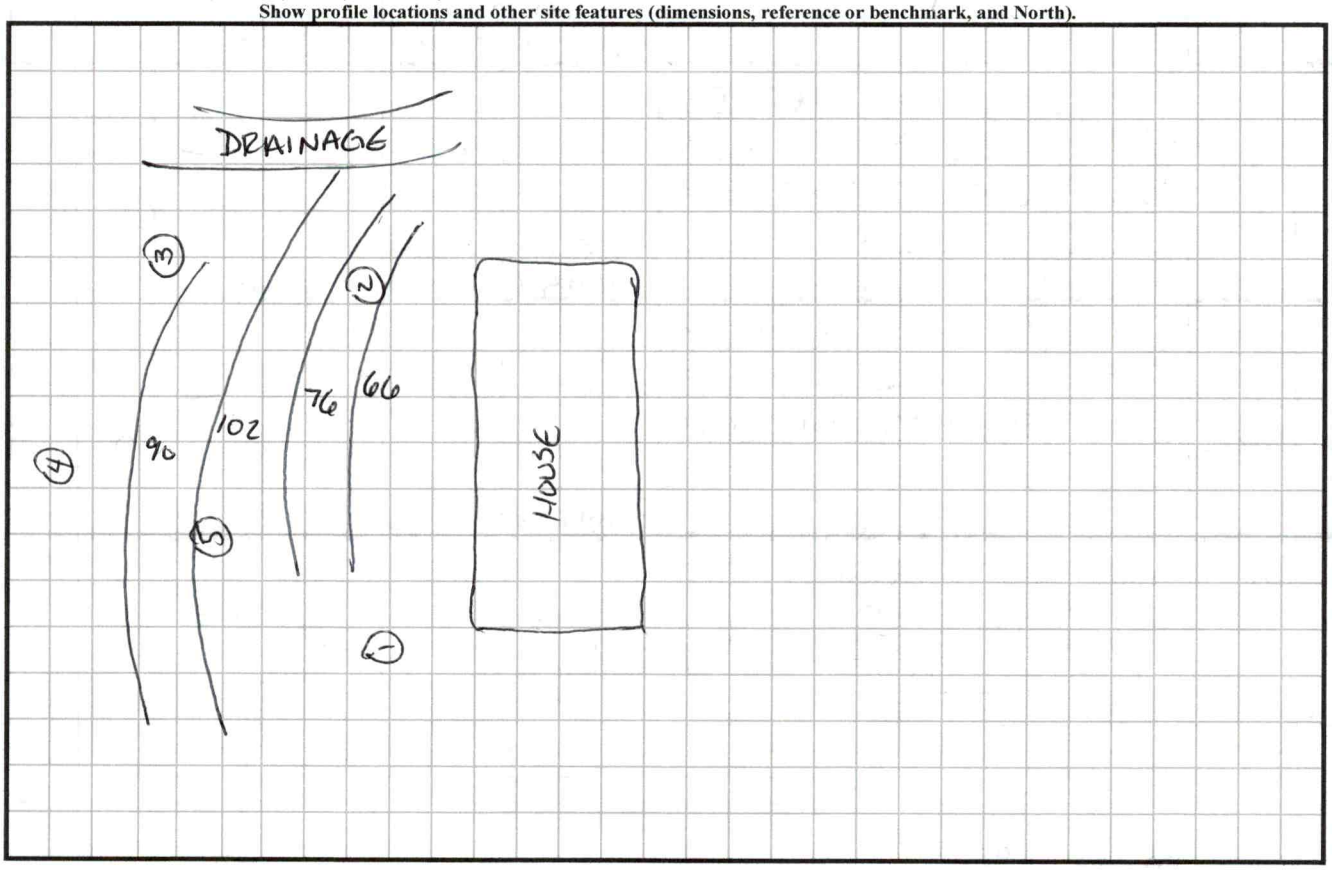
LEGEND

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).



SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

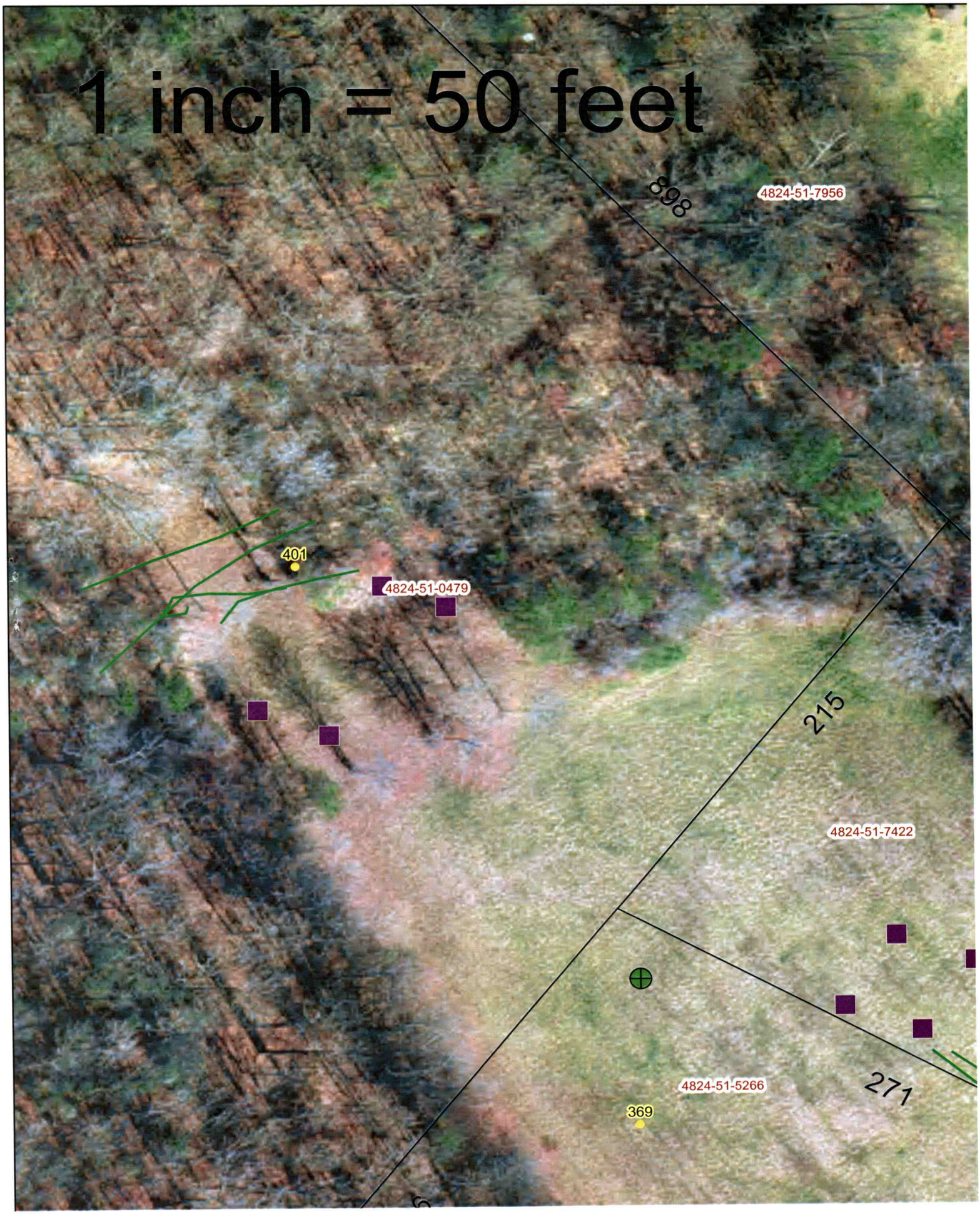
PROPERTY ID #: 4824-51-0479
DATE OF EVALUATION: 9/13/2024
COUNTY: IREDELL

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	OTHER PROFILE FACTORS .0506 SOIL DEPTH	OTHER PROFILE FACTORS .0507 SAPRO CLASS	OTHER PROFILE FACTORS .0508 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
5	LS 12-15%	0-25	C ABK	SSSPSE FR	heavy SAP in CL	55"		—	S 0.3	6"
		25-55	CL SBK	SSSPSE FR						

COMMENTS:

Lot # 3
401 Zeb Rd
Union Grove
4824510479




1 inch = 50 feet
898
4824-51-7956
401
4824-51-0479
215
4824-51-7422
271
4824-51-5266
369