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

PERMIT: OSWP 2024-49458

PIN # 4732-13-0549

APPLICANT/OWNER: MARK BLIZARD | APPLICANT ADDRESS: 136 Red Barn Ln Statesville NC 28677

SITE ADDRESS: 136 Red Barn Ln Statesville NC 28677 | PHONE: 7048587140 | ALT. PHONE —

SITE DIRECTIONS: Wallace Springs Rd → (L) Old Mountain Rd → (R) Southwood Rd → (L) Red Barn | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Southwood | SECTION: — | LOT # 25+33+34 | LOT AREA: — | DESIGN FLOW: EXT | L.T.A.R.(Initial): — | L.T.A.R (Repair): 0.3

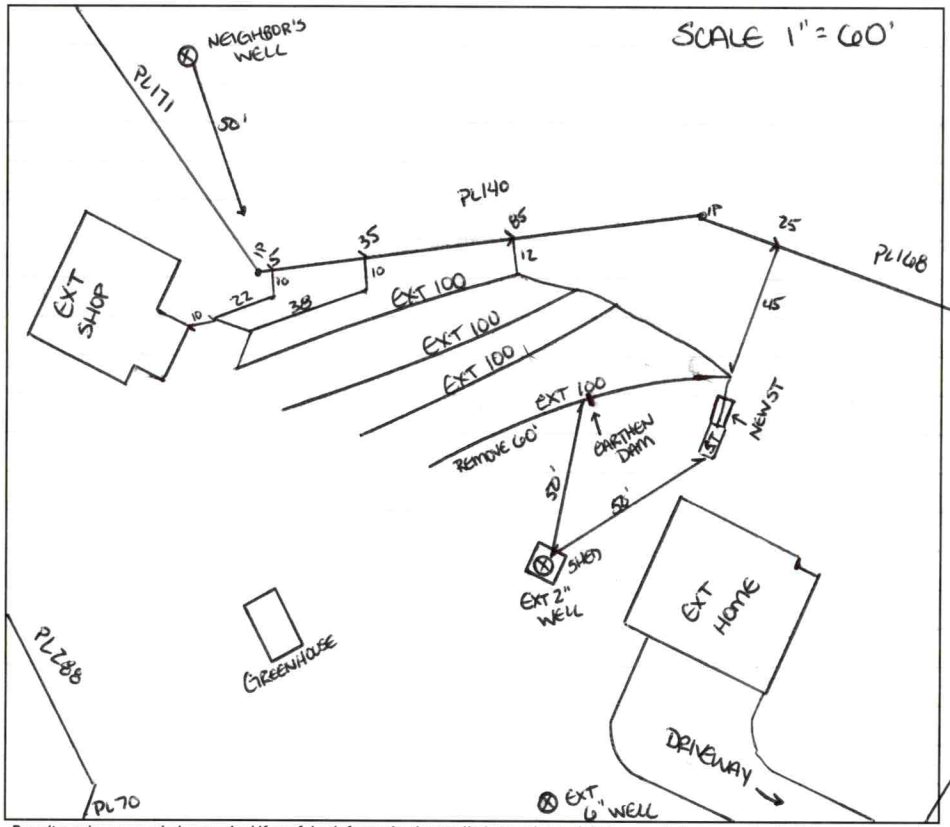
Septic Tank	1000 (gal)	STB	Date	☐ New System	☒ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms EXT
Pump Tank	(gal)	PT	Date	System Description: —				☐ Business	No. Persons EXT
Pump Make	Model		Serial #	Repair System Description: Tank + Relocate 60' Gravity 25%				☐ Other	No. Employees —
# Nitrification Fields	1 # Lines 4+2 new		Linear Ft 60'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36 *Max. Trench Depth(Initial) —		*Max. Trench Depth(Repair)	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: install on contour 9' on center. Pump, crush, & fill old tank. Replace distribution as needed. Cut off & earthen dam within 50' of well. May do tank replacement only if 2" well is abandoned. Connect to new septic with washer line.

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: —

IMPROVEMENT PERMIT by: Sarah Williams ✓ | Date: 4/22/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams ✓ | Date: 4/22/2024

Installed by: Russel Williams

OPERATION PERMIT by: Sydney Holland ✓ | Date: 6/21/24

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? _____	

PERMIT SNAPSHOT REPORT OSWP-2024-49458 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/19/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Bracken, Sarah	**Approval Expire Date:**	

Description: Replacing a failing septic system with a new one

Parcel: 4732130549.000 Main	**Address:** 136 Red Barn Ln Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Mark Blizard	Mark Blizard
136 RED BARN LN	136 RED BARN LN
STATESVILLE, NC 28677	STATESVILLE, NC 28677
Mobile: (704) 858-7140	Mobile: (704) 858-7140

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	4 bedroom 2 bath 2,000 sq ft	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	1	Foundation Type	Crawl Space Foundation
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_Mark_Blizard_3/19/2024.jpg	03/19/2024 14:49	Blizard, Mark		Uploaded via CSS
DOC TO AUTHORIZE AN OWNER 3_18 (1)_v1.pdf	03/19/2024 15:53	Blizard, Mark	Available Online	

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/19/2024 15:53	03/19/2024 15:54
Confirm application complete v.1	Generic Action		03/19/2024 15:54
~~**Zoning Review v.1**~~			03/19/2024 15:53
~~Floodplain Admin Overview v.1~~	Task		03/19/2024 15:53
~~Issue Invoice v.1~~	Generic Action		03/19/2024 15:53
~~Fees Paid v.1~~	Generic Action		03/19/2024 15:53
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		

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

PROPERTY ID #: 4732-13-0549
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: MARK BLIZARD DATE EVALUATED: 4/29/2024
ADDRESS: 136 Red Barn Ln Statesville NC 28677
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: —
LOCATION OF SITE: 136 Red Barn Ln Statesville, NC 28677 PROPERTY RECORDED: Y
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other ~~50'~~ 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 1-2%	0-28	C BK	SSSPSEFR	—	48		—	S 0.3	1"
		28-48	CL BK	SSSPSEFR	few SAP incl in CL layer					
2										
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	X	60%
System Type(s)		Gravity 25%
Site LTAR		0.3
Maximum Trench Depth		35"

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

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

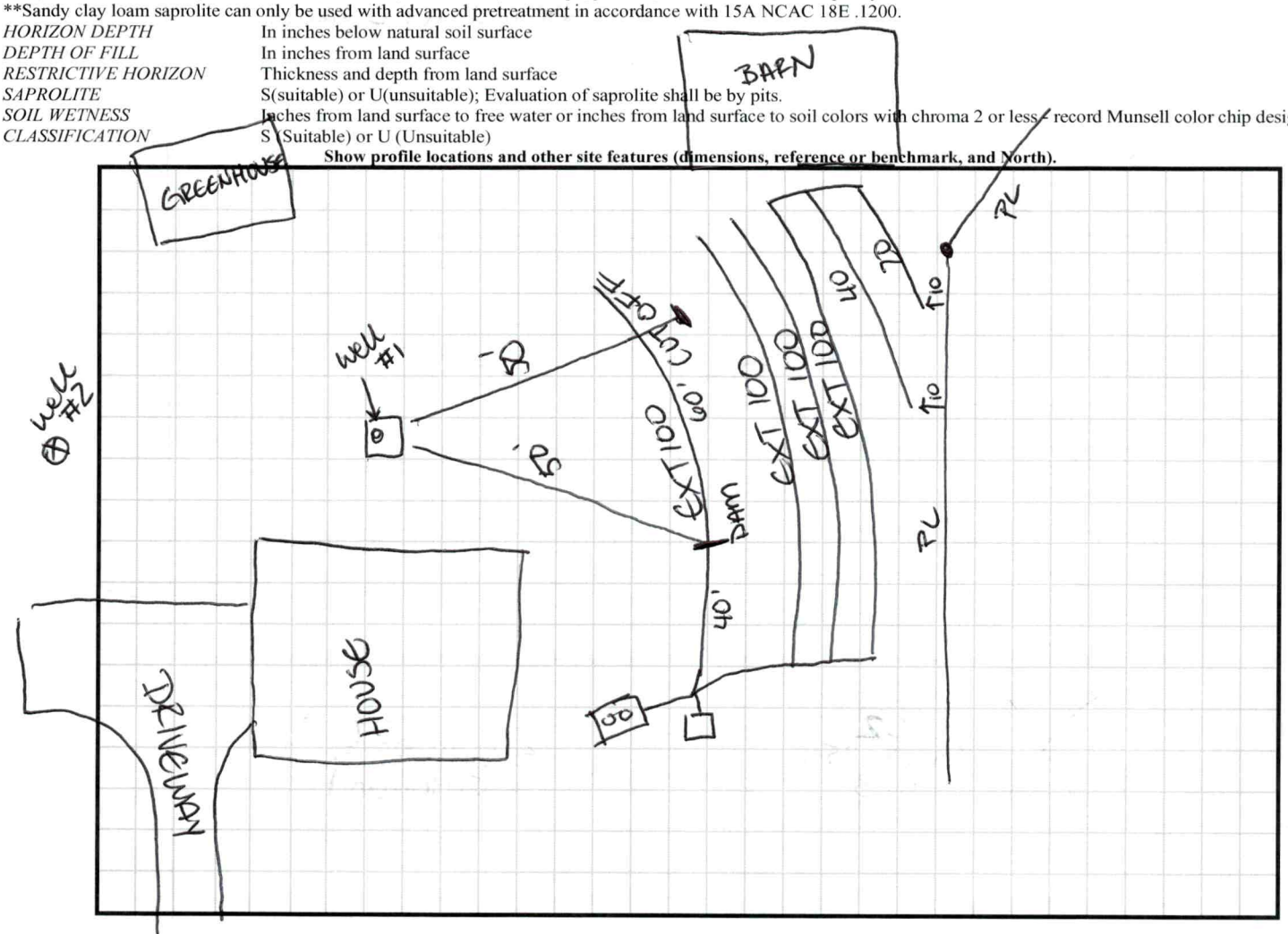
RESTRICTIVE HORIZON Thickness and depth from land surface

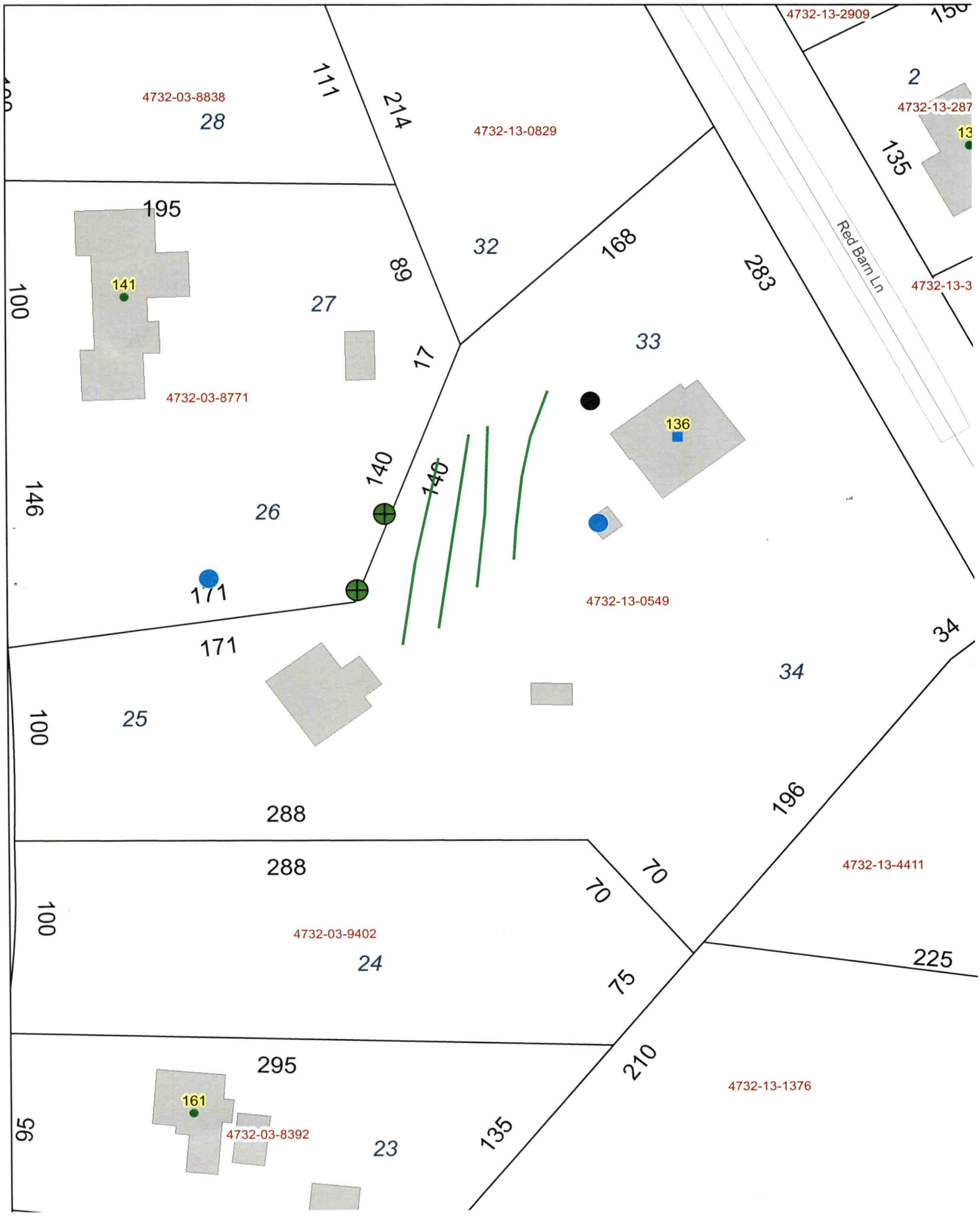
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

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).




4732-03-8838
28
111
214
4732-13-0829
4732-13-2909
2
4732-13-287
135
Red Barn Ln
4732-13-3
195
141
32
168
283
89
27
33
100
17
4732-03-8771
136
140
140
146
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4732-13-0549
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196
288
70
70
4732-13-4411
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4732-03-9402
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225
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295
210
161
4732-13-1376
95
4732-03-8392
23
135