ICHD - ENVIRONMENTAL HEALTH DIVISION

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

CW

BCSR-2024-05728

PERMIT: OSWP 2024-60535

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

PIN # 3744 -62 -9021

APPLICANT/OWNER: Steve Bratten APPLICANT ADDRESS: 2026 Northside Dr Statesville, NC 28677

SITE ADDRESS: 111 Cobalt Ln Statesville, NC 28625 PHONE: (704) 244-4588 ALT. PHONE (704) 929-1532

SITE DIRECTIONS: Old Mountain, Island Ford, Goble, Meristone, Arborgate SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Featherstone SECTION: 3 LOT # 44 LOT AREA: .69ac DESIGN FLOW: 360 L.T.A.R.(Initial): .3 L.T.A.R (Repair): .275

Septic Tank 1000 (gal) STB 766 Date

Pump Tank 1000 (gal) PT 363 Date

Pump Make Zoeller Model N53C Serial #

Nitrification Fields 1 # Lines 4 Linear Ft 200

Trench Width 36 in *Max. Trench Depth(Initial) 20 in *Max. Trench Depth(Repair) 20 in Gravel Depth -

* Measured on the downhill side of the trench

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

System Description: 50% Reduction - Horizontal

Repair System Description: 50% Reduction - Horizontal

Maintenance Agreement Required: ☐ YES ☑ NO

☐ GRAVITY ☑ PRESSURE

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

Usable Depth to LC (Initial): 50 in Usable Depth to LC (Repair): 50 in *Limiting Condition*

☑ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees -

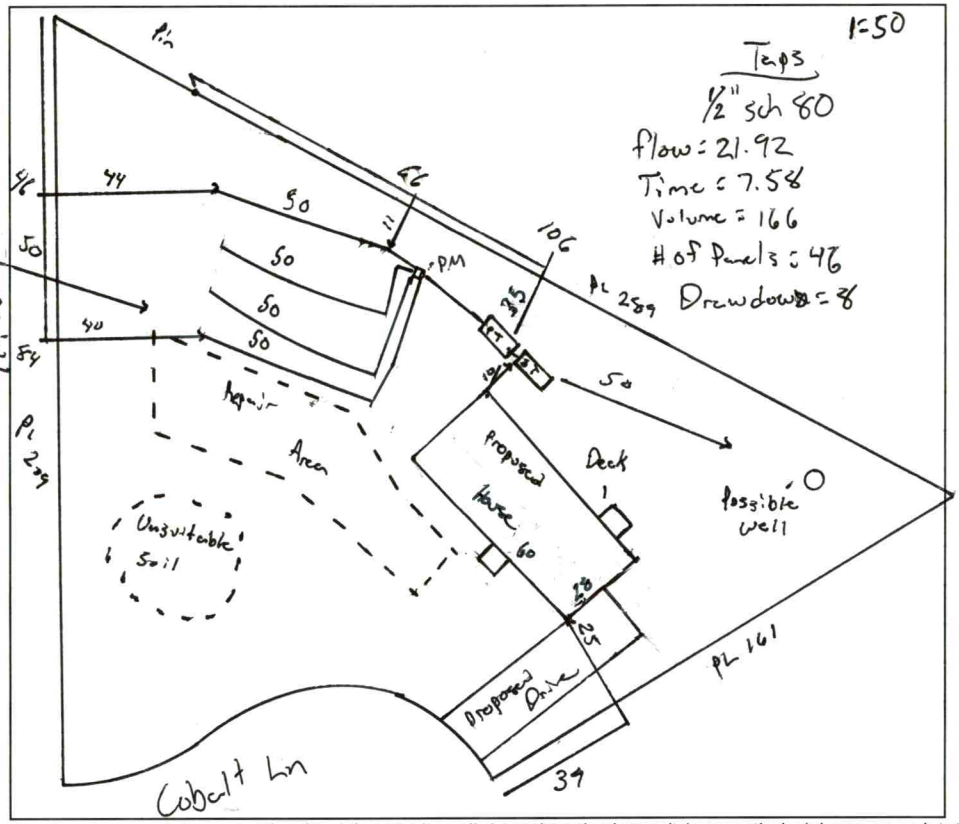
☐ Slab ☑ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with 9ft centers. Stay 50 ft off neighbor Well. Do not drive, park or construct on Septic area.

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: MTB Services

IMPROVEMENT PERMIT by: Matt Wilkie ✓ Date: 10/11/24 OPERATION PERMIT by: D. Wiesberg ✓ Date: 1/27/25

AUTHORIZATION TO CONSTRUCT by: Matt Wilkie ✓ Date: 10/11/24 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? _____	

V

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

Page 1 of 1
PROPERTY ID #: 8744624902
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Clayton Hodges
ADDRESS: 2026 North Side Dr Statesville
PROPOSED FACILITY: SFD
PROPOSED DESIGN FLOW (.0400): 360
LOCATION OF SITE: 111 Cobalt Ln Statesville
DATE EVALUATED: 9/12/24
PROPERTY SIZE:
PROPERTY RECORDED: yes
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other
WATER SUPPLY SETBACK: 50ft
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 5%	0-10	SCL/Gr	SS SP FR SE	26-34 10YR 6/1 with YB 10YR 6/6 34-50	72	Sap increasing Plasticity 65+	Structure 26-34	.25 Deep .2 over	3
		10-35	C/SBK	SS SP FR SE						
		35-48	CL/ABK	SS SP FI SE						
		48-72	CL/ABK	SS SP FI SE						
2	LS 6%	0-8	SCL/Gr	SS SP FR SE	10YR 6/1 14-50 with YB	72	-	-	Un	3
		8-35	C/ABK	SS SP FI SE						
		35-72	CL/ABK	SS SP FI SE						
3	LS 6%	0-7	SCL/Gr	SS SP FR SE	10YR 6/6 35-37	50	-	-	.275	3
		7-22	C/SBK	SS SP FR SE						
		22-50	CL/ABK	SS SP FI SE						
4	LS 6%	0-10	SCL GR	SS SP FR SE	-	63	SAP inc at 36"+		.3 PS	3
		10-27	C SBK	SS SP FR SE						
		27-63	CL ABK	SS SP FR SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	360	360
System Type(s)	50%	50%
Site LTAR	.3	.275
Maximum Trench Depth	20" ~~30"~~	30"

SITE CLASSIFICATION (.0509): S
EVALUATED BY: Matthew W
OTHER(S) PRESENT: Cory W

Comments:
5 | 0-7 SCL GR SAP inc .3
7-24 C SBK in CL PS
24-50 CL ABK layer

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

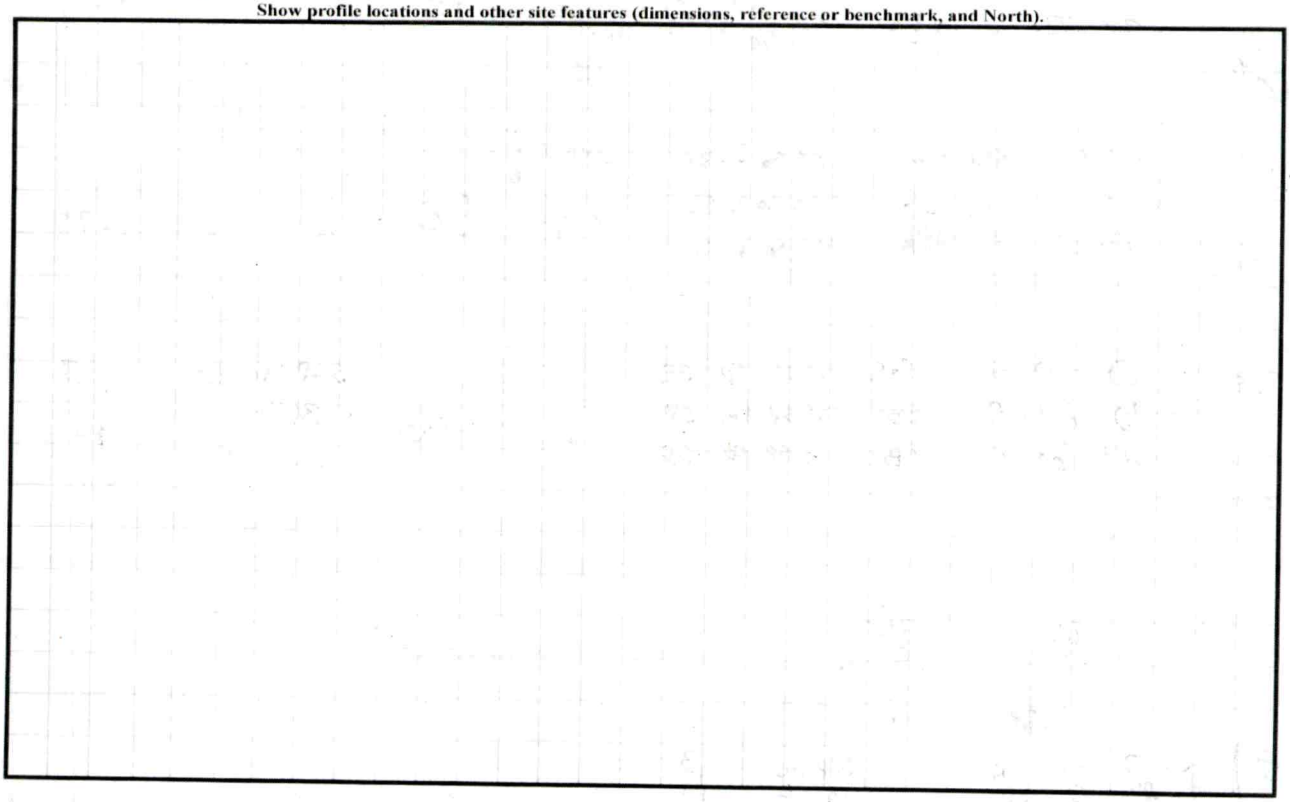
RESTRICTIVE HORIZON Thickness and depth from land surface

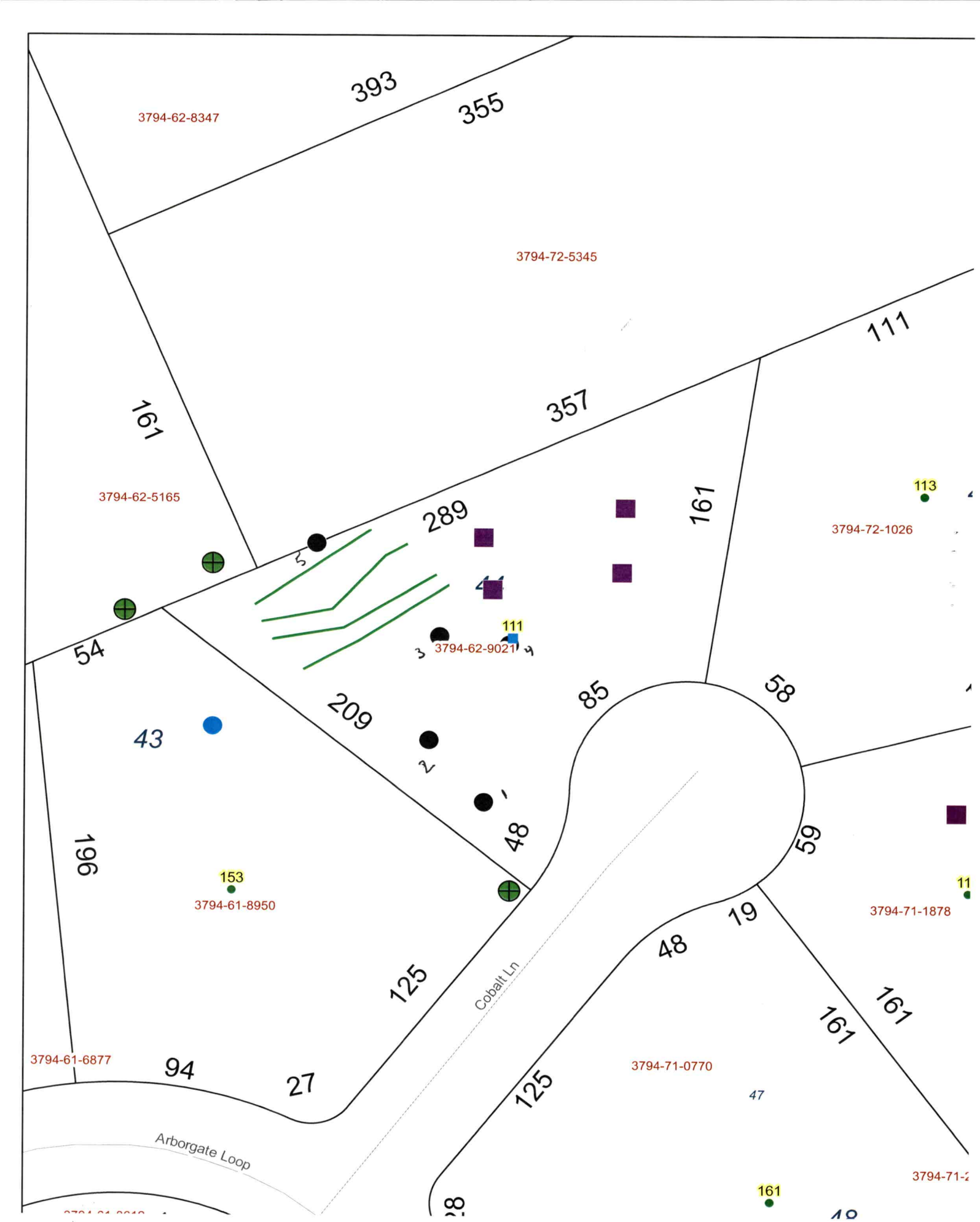
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

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).




393
355
3794-62-8347
3794-72-5345
111
357
161
3794-62-5165
289
161
113
3794-72-1026
111
3794-62-9021
54
209
85
58
43
48
59
196
153
3794-61-8950
11
3794-71-1878
19
48
125
Cobalt Ln
161
161
3794-61-6877
94
27
3794-71-0770
125
47
Arborgate Loop
161

PERMIT SNAPSHOT REPORT OSWP-2024-60535 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/26/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wilkinson, Matthew	**Approval Expire Date:**	

Description: request for IP/AC for new modular home; need owners name added to AA form emailed 8/27/24 LF

Parcel: 3794629021.000 Main	**Address:** 111 Cobalt Ln Statesville, NC 28625 Main	**Zone:** RU-R(Rural Residential District)

Property Owner
steve bratten
Home: (704) 299-4588

Applicant/Authorized Agent
CLAYTON HOMES #72
2026 NORTHSIDE 2026 NORTHSIDE DR
STATESVILLE, NC 28677
Mobile: (704) 929-1552

Permit Custom Fields

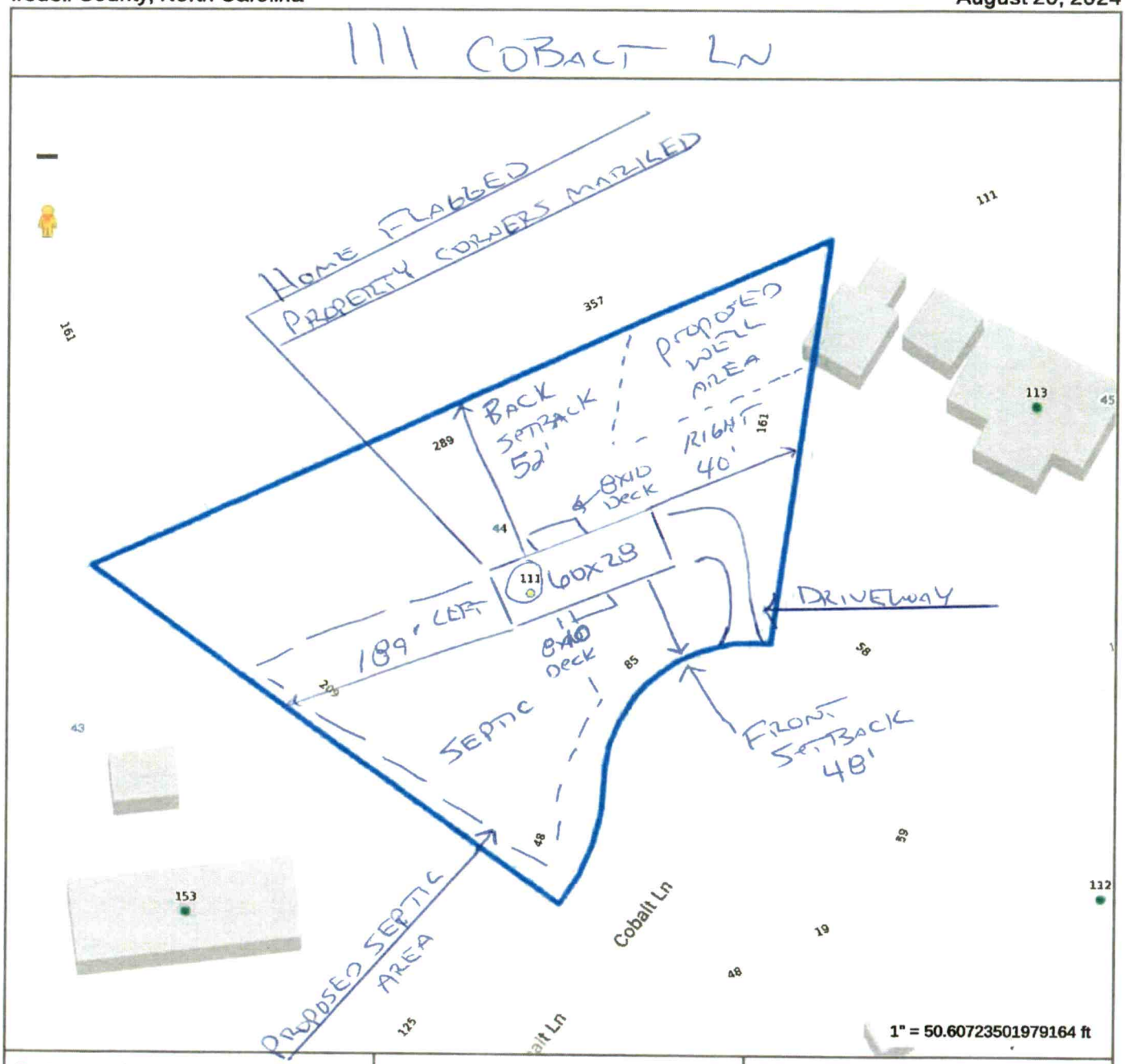
How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	60x28 home with two 8x10 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	2	Foundation Type	Crawl Space Foundation
Water Supply	Other Public Water	Desired Septic System Type	Other	If other septic system type, please explain	25 percent reduction
Pump Make		# of Nitrification Fields		Model	
Serial #		System Description		Repair System Description	
Comments/Conditions		Has this project been approved by TRC	No	Lot Acreage	1.647
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Sep 2 2024 12:00AM	Zoning Permit Expiration Date	Mar 1 2025 12:00AM
Is the structure or development in the floodplain	No	Is the property in a local historic district?	No	Is the property located downtown?	No
Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_ADAM_CASSTEVENS_8/26/2024.jpg	08/26/2024 12:37	CASSTEVENS, ADAM		Uploaded via CSS
reiger floor plan_v1.pdf	08/27/2024 9:55	CASSTEVENS, ADAM	Available Online	
reiger misc for septic_v1.pdf	08/27/2024 9:55	CASSTEVENS, ADAM	Available Online	
reiger site plan for septic and bp_v1.pdf	08/30/2024 16:40	CASSTEVENS, ADAM	Available Online	
RE OSWP-2024-60535 (111 COBALT LN STATESVILLE NC 28625).msg	08/30/2024 16:42	Kendrick, Brandi		

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date

Iredell County, North Carolina

August 20, 2024



Tax Map Information

• PIN	3794629021.000
• Address	111 COBALT LN
• Account #	Acct 77375172
• Tax Owner	SILVER WAVE PROPERTIES INC
• Mailing Address	2400 RAMBLEWOOD LN
•	CHARLOTTE, NC 28210
• GIS Owner	SILVER WAVE PROPERTIES INC
• Deed Info	1109 / 222 - WD - 19981119
• Tax Acres	0.69 AC
• Lot #	44
• Description	FEATHERSTONE P3 M2 PB35-63-64
• Zoning	RUR
• Old Parcel #	
• Bldg Value	$0
• OBXF Value	$0
• Land Value	$18,000
• Total Value	$18,000
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

IREDELL

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 05/22/2024
Data updated 08/14/2024

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