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 2024-59224

PIN # 4785 - 11 - 5521 ✓

APPLICANT/OWNER: Lee Marlow | APPLICANT ADDRESS: 480 Barry Oak Rd, Statesville

SITE ADDRESS: 151 Marlow Woods Ln, Statesville 28625 | PHONE: 704-902-1673 | ALT. PHONE -

SITE DIRECTIONS: 64 E - Barry Oak - Marlow Woods | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Robert Lee Marlow ✓ | SECTION: - | LOT # 2 ✓ | LOT AREA: 1.66 | DESIGN FLOW: 360 gpd | L.T.A.R.(Initial): 0.25 | L.T.A.R (Repair): 0.25

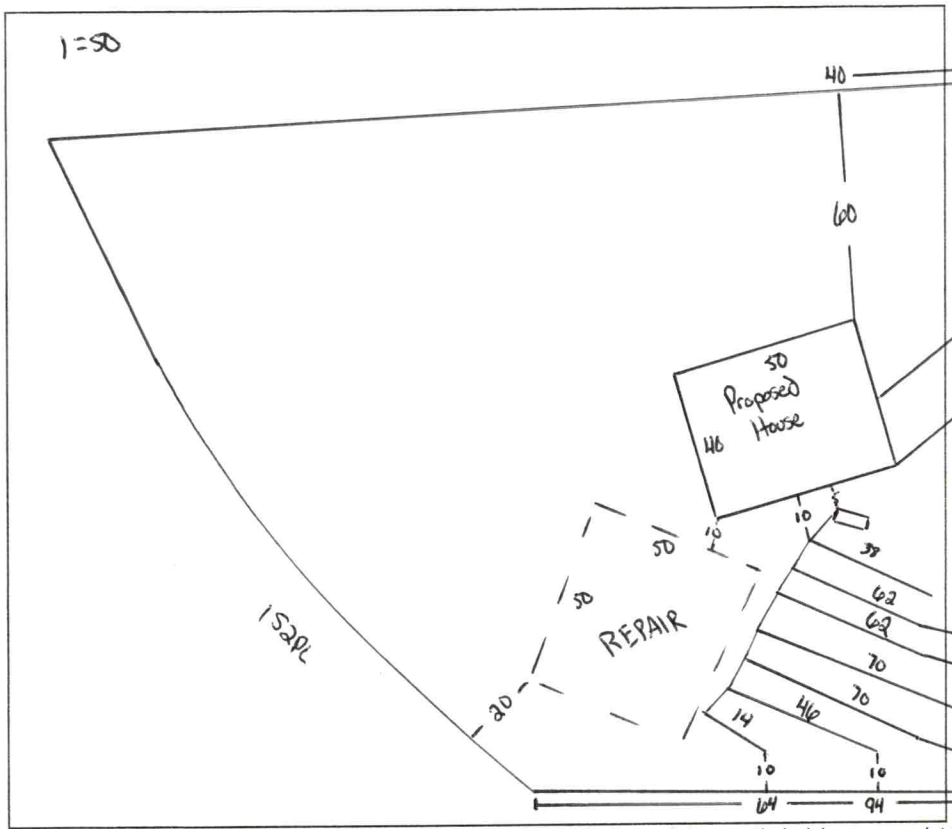
Septic Tank	1000 (gal)	STB 766	Date	☒ New System ☐ Repair ☐ Expansion	System Type: I (II) III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT	Date	System Description:	25% reduction	☐ Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description:	HPP BPS	☐ Other	No. Employees
# Nitrification Fields	1	# Lines 7	Linear Ft 360'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width 36in	*Max. Trench Depth(Initial) 30 in	*Max. Trench Depth(Repair) 18 in	Gravel Depth -	☒ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

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

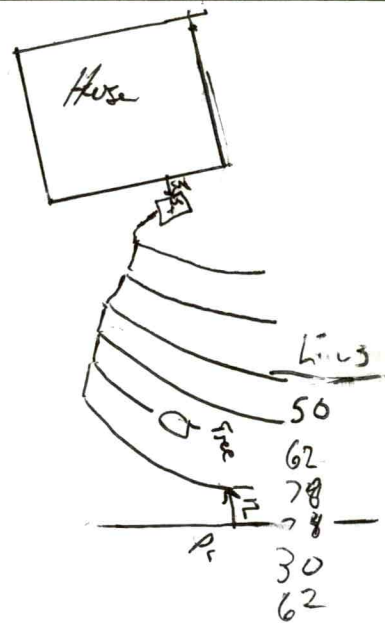
Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install on contour with the land. Utilize serial distribution. Keep plumbing as shallow as possible to ensure fall.

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: Cothran Pools

IMPROVEMENT PERMIT by: Cory Hill | Date: 9/12/24 ✓ | OPERATION PERMIT by: Matt W | Date: 2/26/25 ✓

AUTHORIZATION TO CONSTRUCT by: Cory Hill | Date: 9/12/24 ✓ | 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

PROPERTY ID #: 4785 11 5735
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Lee Marlow DATE EVALUATED: 9/5/24
ADDRESS: 480 Barry Oak Rd
PROPOSED FACILITY: 3 bd/c Home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 1.606
LOCATION OF SITE: 151 Marlow Woods PROPERTY RECORDED: yes
WATER SUPPLY: ☒Public ☐Single Family Well ☐Shared Well ☐Spring ☐Other _____ WATER SUPPLY SETBACK: 10'
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 8%	0 - 38	C ABK	SS SP FR SE	10yr 6/6 at 28"+ 10yr 7/2 at 35"+	49	-	-	.25 PS	3
		38 - 49	CL SBK	SS SP FR SE						
2	LS 10%	0 - 37	C ABK	SS SP FR SE	10yr 7/6 at 24"-35" 10yr 6/2 at 18"-24"	50	-	-	.25 PS	4
		37 - 50	CL SBK	SS SP FR SE						
3	LS 10%	0 - 43	C ABK	SS SP FR SE	Yellow/Browns in C layer	56	-	-	.275 PS	4
		43 - 56	CL SBK	SS SP FR SE						
4	LS 10%	0 - 42	C ABK	SS SP FR SE	Yellow/Browns in C layer	49	-	-	.275 PS	4
		42 - 49	CL SBK	SS SP FR SE						
5	C ABK	0 - 50	SS SP FR SE		10 yr 7/3 at 36"-40" Yellow/Browns at 10"-24"				.25 PS	

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	.25	.25
Maximum Trench Depth	36	36

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Cory Wrecker
OTHER(S) PRESENT: _____

Comments: _____

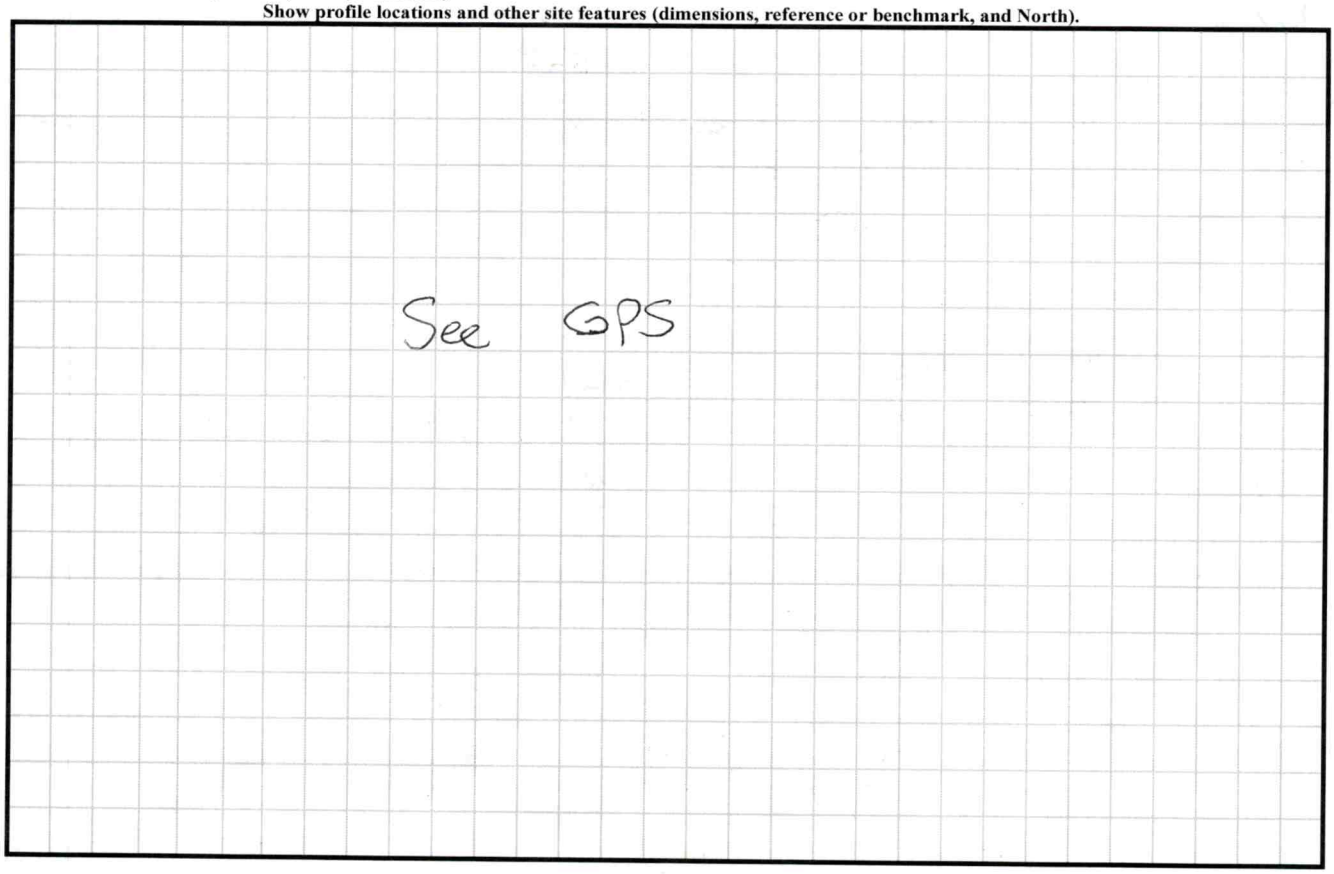
LEGEND

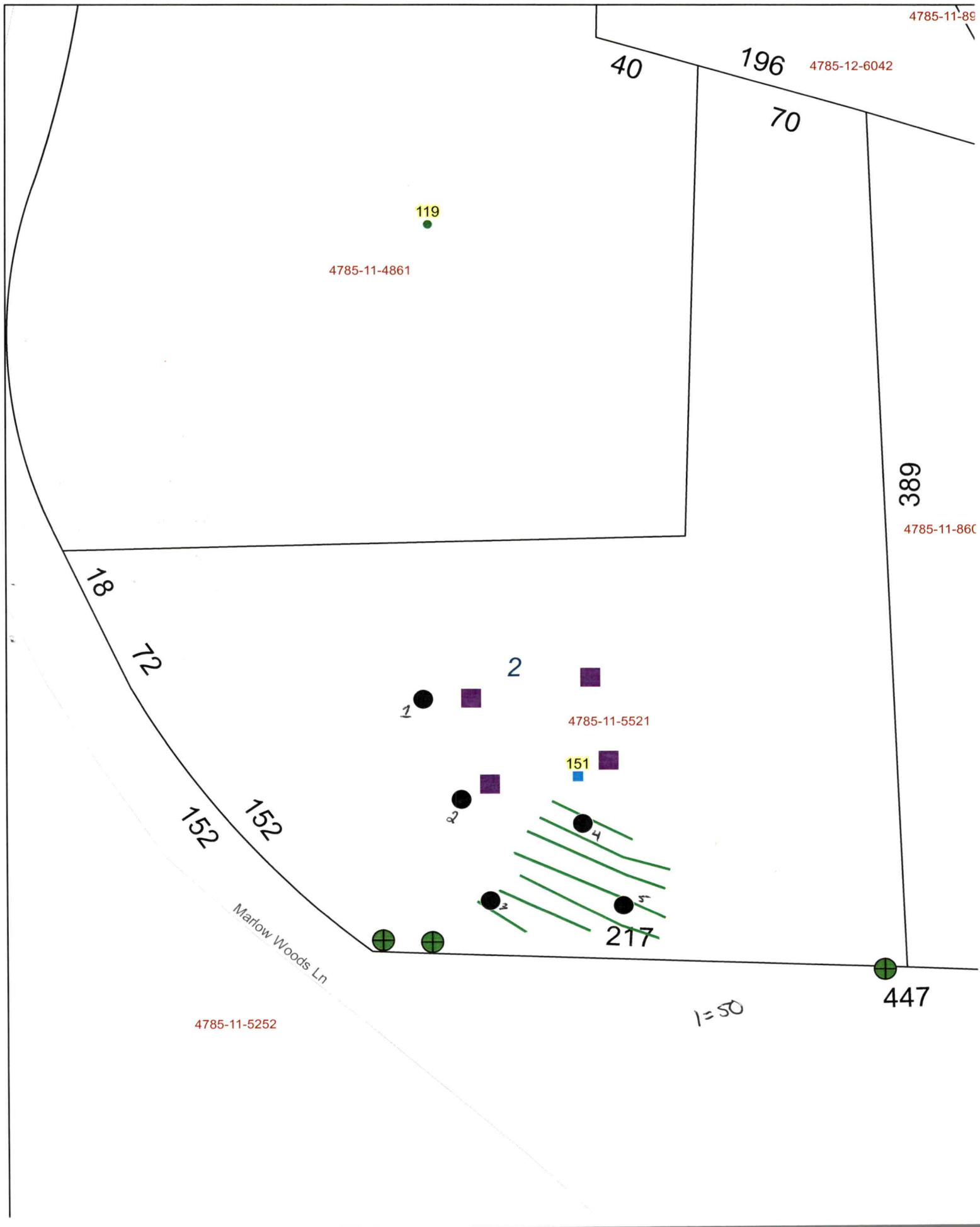
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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




4785-11-89
40
196
4785-12-6042
70
119
4785-11-4861
389
4785-11-860
18
72
2
1
4785-11-5521
151
2
152
152
4
5
3
217
Marlow Woods Ln
447
4785-11-5252
1=50

PERMIT SNAPSHOT REPORT OSWP-2024-59224 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/06/2024
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:**	Whicker, Cory	**Approval Expire Date:**	
Description:	septic perc/ cutting out lot				

Parcel: 4785115735.000 Main	**Address:** 151 Marlow Woods Ln Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Property Owner	Applicant/Authorized Agent
MARLOW ELECTRICAL	MARLOW ELECTRICAL	MARLOW ELECTRICAL
482 BARRY OAK RD 480	482 BARRY OAK RD 480	482 BARRY OAK RD 480
BARRY OAK ROAD	BARRY OAK ROAD	BARRY OAK ROAD
STATESVILLE, NC 28625	STATESVILLE, NC 28625	STATESVILLE, NC 28625
Business: (704) 902-1673	Business: (704) 902-1673	Business: (704) 902-1673

Permit Custom Fields

How is your site plan being submitted	Survey Plat	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	50.3 by39.2
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Number of Employees	0	Water Supply	Other Public Water
Desired Septic System Type	Conventional (most common)	If other septic system type, please explain		Pump Make	
# of Nitrification Fields		Model		Serial #	
Septic System Type	I	System Description		Repair System Description	
Maintenance Agreement Required	No	Gravity/Pressure	Gravity	Comments/Conditions	
Has this project been approved by TRC	No	Lot Acreage	1.66	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Aug 12 2024 12:00AM	Zoning Permit Expiration Date	Feb 8 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_LEE_MARLOW_8/6/2024.jpg	08/06/2024 13:58	MARLOW, LEE		Uploaded via CSS
2112-017.P127 Plan 2243 - 10-17-23.pdf	08/06/2024 14:00	Williams, Deborah	Available Online	floor plans
20240806134820_v1.pdf	08/06/2024 14:15	MARLOW, LEE	Available Online	
20240806135358_v1.pdf	08/06/2024 14:15	MARLOW, LEE	Available Online	

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

PERMIT SNAPSHOT REPORT (OSWP-2024-59224)

2024-241908	Requested	OSWP Septic/Well Preliminary Site Visit	08/21/2024	08/22/2024 0:00	08/22/2024 0:00	

Inspectors: Fleming, Latasha (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

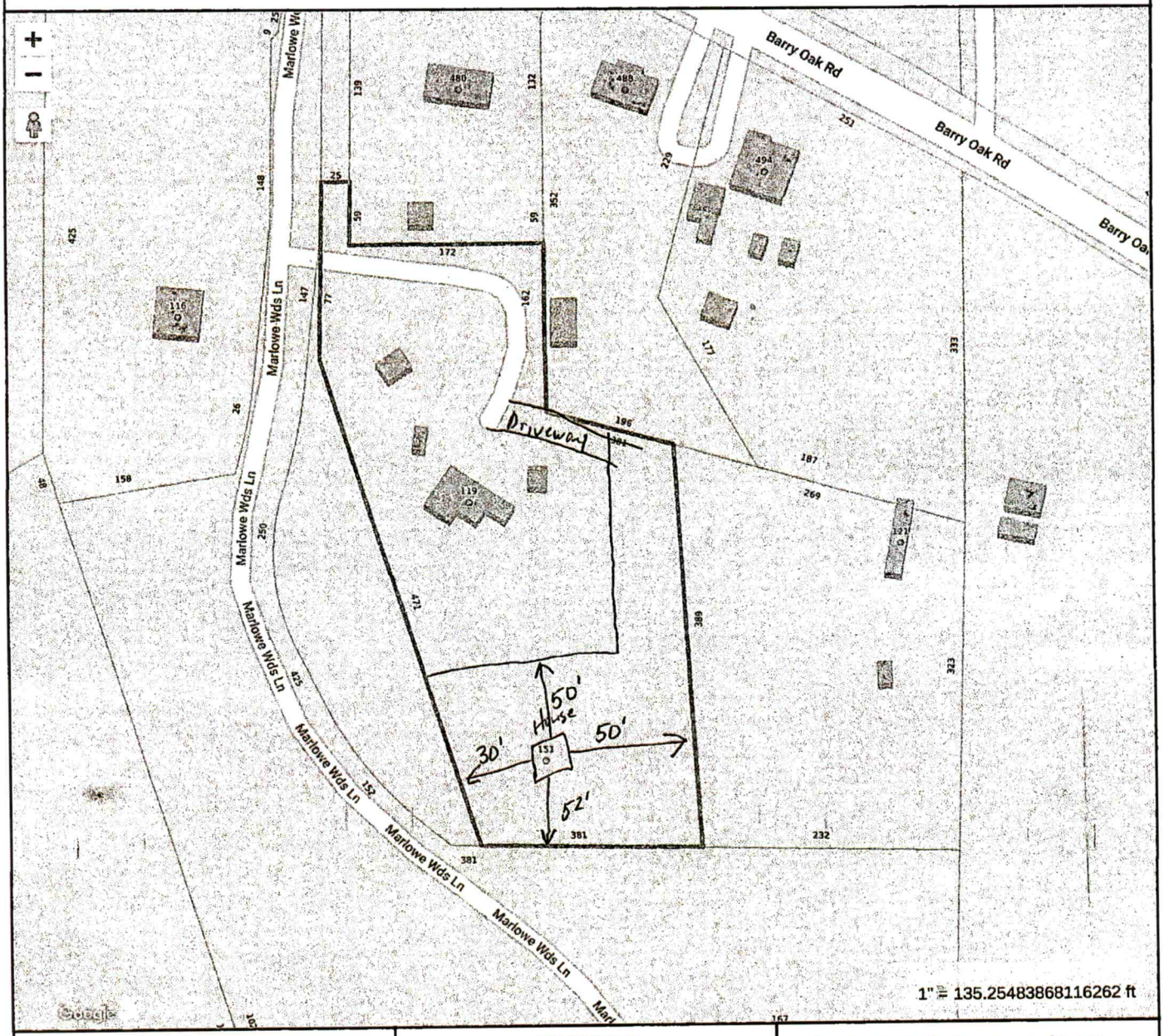
Note	Created By	Date and Time Created
1. customer is getting the property surveyed now, He will call me when its ready for me to inspect.	Peter Mravetz	08/13/2024 11:30

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00034468	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-00034468	$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		08/06/2024 14:15	08/06/2024 14:15
Confirm application complete v.1	Generic Action		08/06/2024 14:15
Zoning Review v.1		08/06/2024 14:14	08/12/2024 16:45
~~Floodplain Admin Overview v.1~~	Task		08/06/2024 14:14
Iredell County Zoning Approval v.1	Task	08/06/2024 14:14	08/12/2024 16:45
Issue Invoice v.1	Generic Action		08/07/2024 9:39
Fees Paid v.1	Generic Action		08/12/2024 14:01
Fees v.1		08/07/2024 9:38	08/12/2024 14:02
Fees Paid v.1	Generic Action		08/12/2024 14:02
Issue Invoice v.1	Generic Action		08/07/2024 9:39
Lot Readiness Verification v.1		08/21/2024 15:16	
OSWP Septic Preliminary Site Visit v.1	Inspection	08/21/2024 15:16	08/21/2024 15:16
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		

Iredell County, North Carolina

August 6, 2024



Tax Map Information

• PIN	4785116735.000
• Address	151 MARLOW WOODS LN
• Account #	Acct 80111310
• Tax Owner	MARLOW ROBERT LEE SR
• Mailing Address	482 BARRY OAK RD
•	STATESVILLE, NC 28625
• GIS Owner	MARLOW ROBERT L SR
• Deed Info	3056 / 2372 - QC - 20240423
• Tax Acres	2.788 AC
• Lot #	
• Description	S OFF SR2305
• Zoning	RA
• Old Parcel #	1305Q00000A035
• Bldg Value	$0
• OBXF Value	$7,930
• Land Value	$22,750
• Total Value	$30,680
• 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 05/22/2024
Data updated 03/18/2024

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