ICHD - ENVIRONMENTAL HEALTH DIVISION

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

SH BCDR2025-069854

PERMIT : OSWP 2025-68508

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

PIN # 4713 -- 51 -- 9618

APPLICANT/OWNER: Extreme Construction Services APPLICANT ADDRESS: 191 Shepherds Bluff Dr, Mooresville

SITE ADDRESS: 173 Black Rd, Statesville 28677 PHONE: 304-377-4358 ALT. PHONE -

SITE DIRECTIONS: Old Mtn - Celeste Eufola - Black SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Cathy Hocking SECTION: - LOT # 2 LOT AREA: 19.48 DESIGN FLOW: 360 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.25

Septic Tank 1000 (gal) STB 1000 Date -

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 3 Linear Ft 300'

Trench Width 36in *Max. Trench Depth(Initial) 30in *Max. Trench Depth(Repair) 30in Gravel Depth -

* Measured on the downhill side of the trench

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

System Description: 25% reduction

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): 48in

Usable Depth to LC (Repair): 48in *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

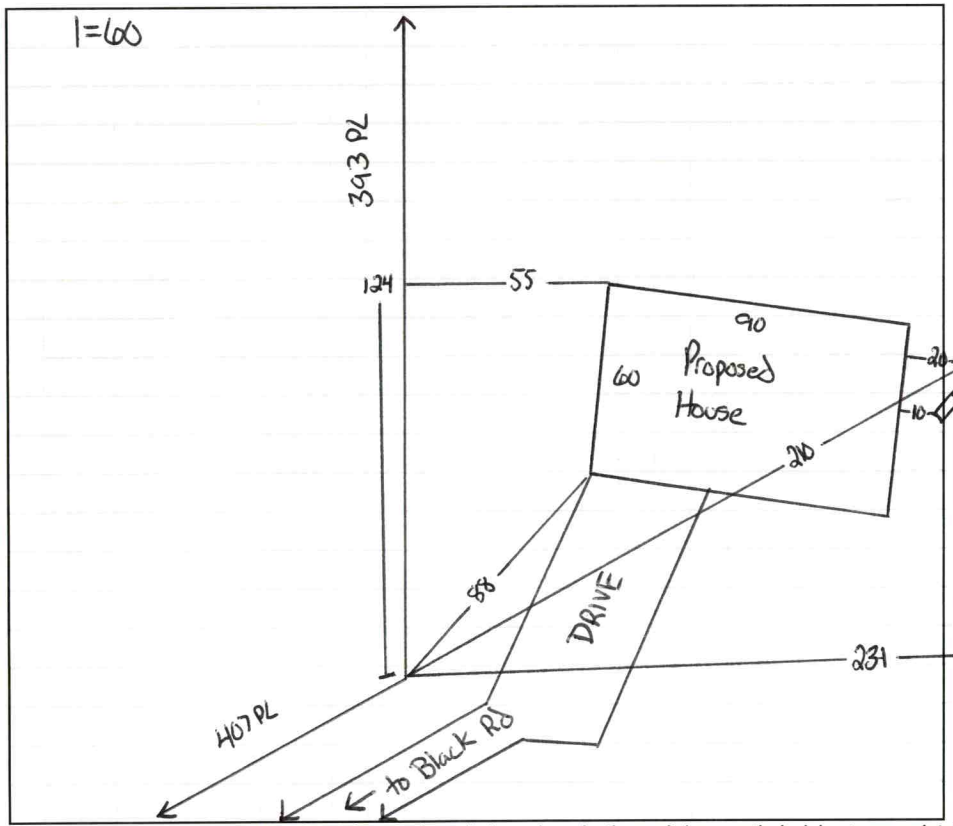
☐ Private

☒ Public

☐ Community

Comments / Conditions: Install on contour with the land. Do not drive, park or grade septic area.

INITIAL SITE SKETCH

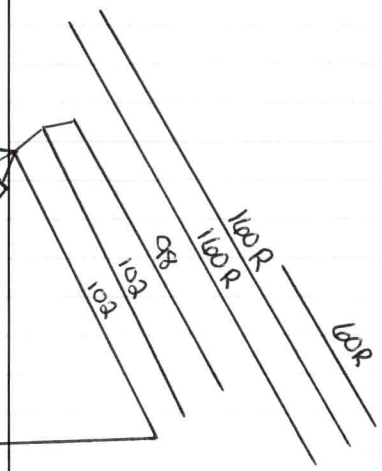


AS BUILT SKETCH

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.

See attached GPS.



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:

IMPROVEMENT PERMIT by: Cory Lutz Date: 2/5/25

AUTHORIZATION TO CONSTRUCT by: Cory Lutz Date: 2/11/25

Installed by: Shady Knoll Septic

OPERATION PERMIT by: Shaun Williams Date: 5/5/2025

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 #: 4713519618
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Extreme Construction Services DATE EVALUATED: 2/5/25
ADDRESS: 191 Shepherds Bluff Dr
PROPOSED FACILITY: 3 bd/r home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 19 acres
LOCATION OF SITE: 173 Black Rd, Statesville PROPERTY RECORDED: yes
WATER SUPPLY: X Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 10'
EVALUATION METHOD: Auger Boring X Pit Cut TYPE OF WASTEWATER: X 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 10%	0 - 8	PLOW SCL		-	48	Common inc in CL layer	SAP	.3 S	4
		8 - 29	C SBK	SS SP FR SE						
		29 - 48	CL SBK	SS SP FR SE						
2	LS 10%	0 - 10	PLOW SCL		-	53	Common inc CL layer	SAP inc	.3 S	4
		10 - 35	C SBK	SS SP FR SE						
		35 - 53	CL SBK	SS SP FR SE						
3	LS 8%	0 - 10	PLOW SCL		-	50	-	-	.275 S	3
		10 - 38	C SBK	S P FR SE						
		38 - 50	CL SBK	SS SP FR SE						
4	LS 10%	0 - 8	PLOW SCL		-	53	-	-	.3 S	4
		8 - 40	C SBK	SS SP FR SE						
		40 - 53	CL SBK	SS SP FR SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	S	S
System Type(s)	25%	25%
Site LTAR	.3	.275
Maximum Trench Depth	36in	36in

SITE CLASSIFICATION (.0509): S
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT: J

Comments: _____

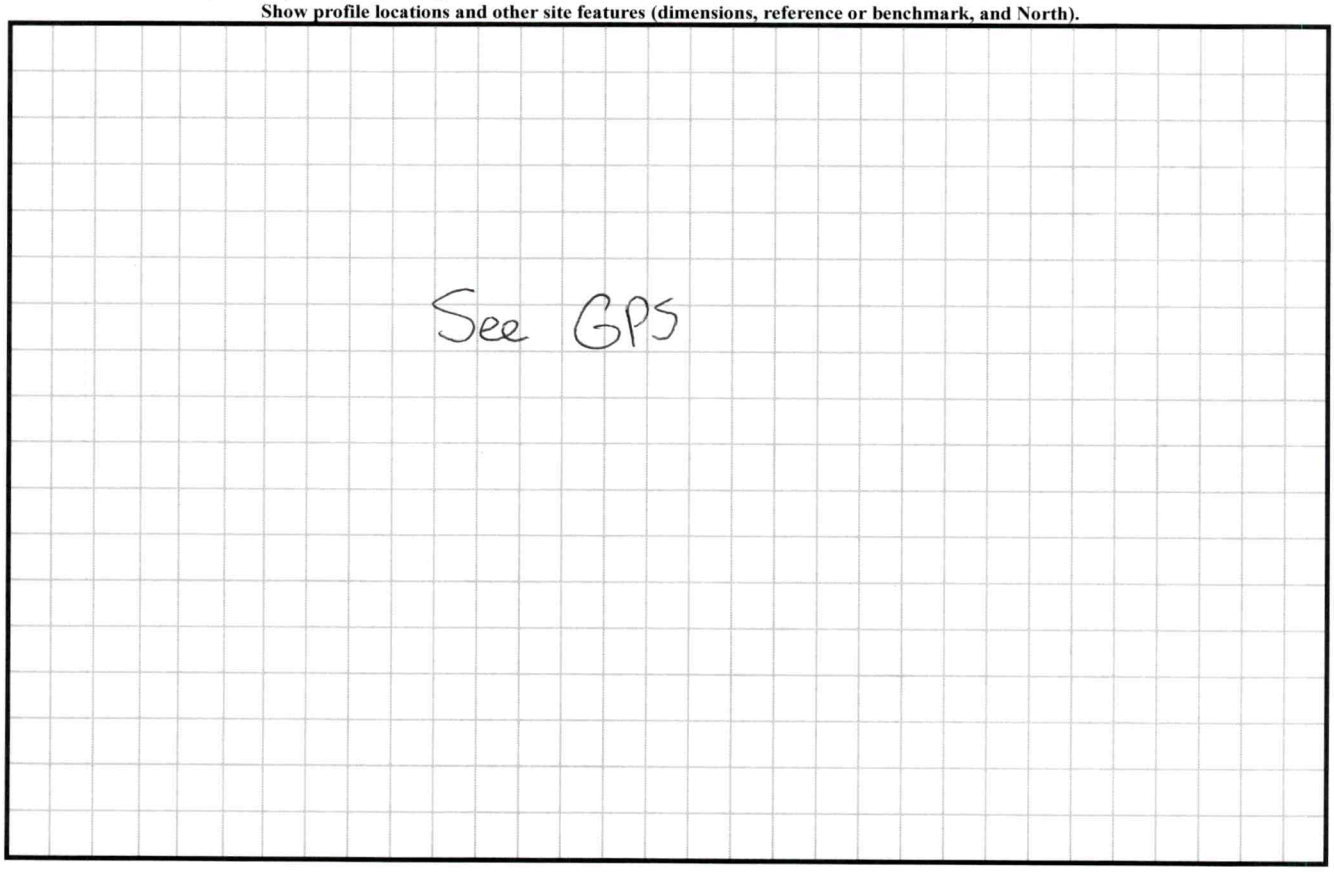
LEGEND

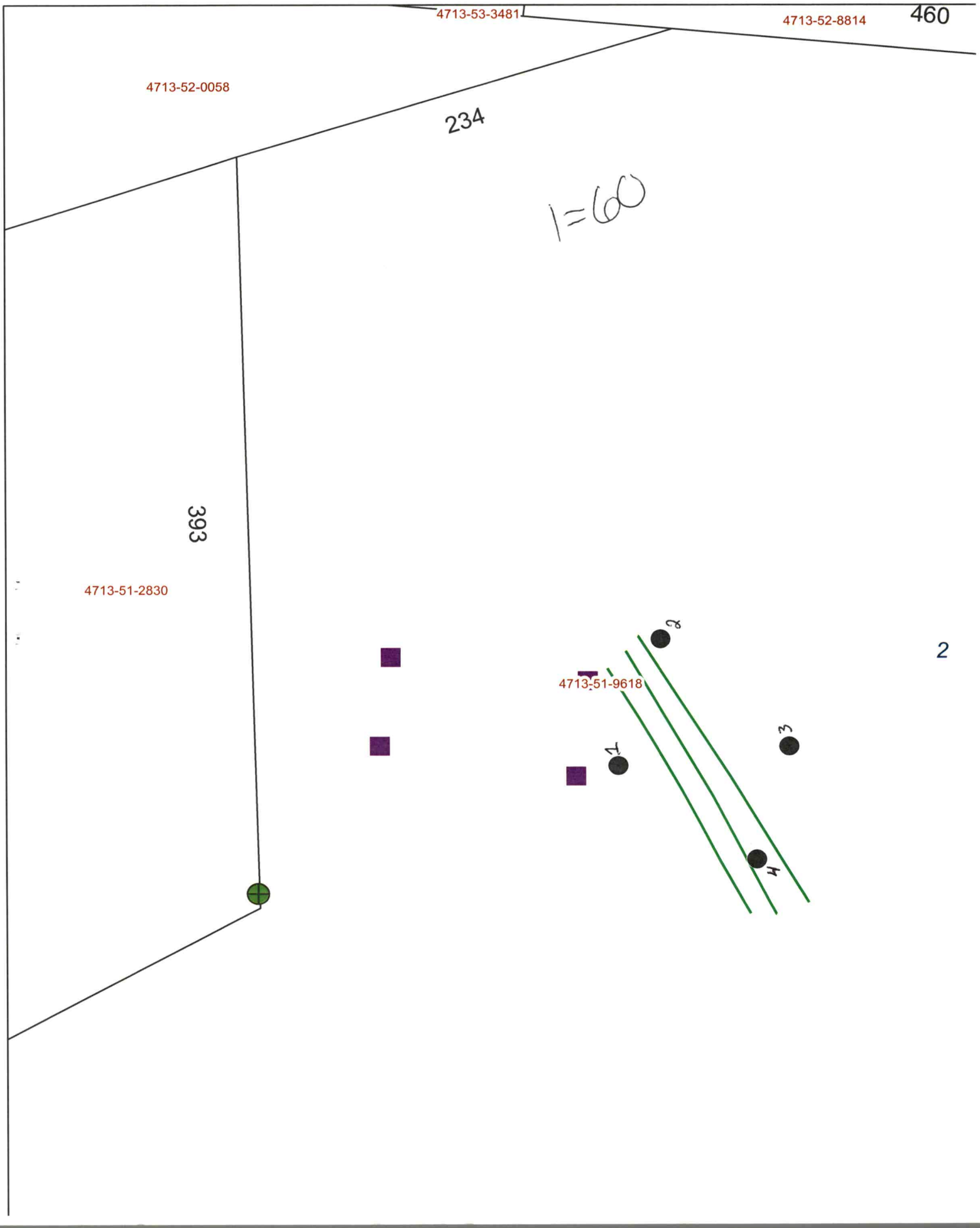
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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




4713-53-3481
4713-52-8814
460
4713-52-0058
234
1=60
393
4713-51-2830
2
4713-51-9618
1
2
3
4

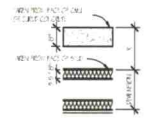
WINDOW SCHEDULE							
Tag	Description	Count	Width	Height	Manufacturer	Model	Comments
DH3252	DOUBLE HUNG	10	3'-0"	5'-2"			
DH4652	DOUBLE HUNG	1	4'-0"	5'-2"			
FIX2020	FIXED	1	2'-0"	2'-0"			

DOOR SCHEDULE							
Tag	Description	Count	Width	Height	Manufacturer	Model	Comments
2468	INTERIOR SWING DOOR	3	2'-6"	6'-8"			
2868	INTERIOR SWING DOOR	2	2'-8"	6'-8"			
3068	INTERIOR SWING DOOR	1	3'-0"	6'-8"			
8080	BARN DOOR	5	8'-0"	8'-0"			
16068	INTERIOR FRENCH DOORS	1	16'-0"	6'-8"			
10070	OVERHEAD GARAGE DOOR	1	10'-0"	10'-0"			
12070	OVERHEAD GARAGE DOOR	1	12'-0"	10'-0"			
16068	SWING DOOR	2	7'-0"	8'-0"			

GLAZING NOTES:
1. GLAZING IN ALL DOORS TO BE TEMPERED
2. ALL FIXED GLAZING WITHIN 18" OF FINISH FLOOR
3. SURFACE AREA PER OPENING
4. GLAZING IN DOORS WITHIN 24" OF A SWING DOOR
5. GLAZING IN BATHTUB AREA WITHIN 60" OF FINISH FLOOR
6. WINDOWS TO BE EGRESS COMPLIANT WHERE INDICATED ON PLANS
7. ALL WINDOW SIZES SHOWN ON PLANS ARE NOMINAL AND MAY VARY ACCORDING TO MANUFACTURER

SEE ZONE 3 SECTION FOR ADDITIONAL GLAZING NOTES. GLAZING IN WINDOWS AND DOORS SHALL BE TEMPERED IN ACCORDANCE WITH ASTM E1300 AND IRC R308.4. ALL WINDOWS AND DOORS IN HABITABLE ROOMS SHALL COMPLY WITH EGRESS REQUIREMENTS PER IRC R310.

DIMENSION LEGEND



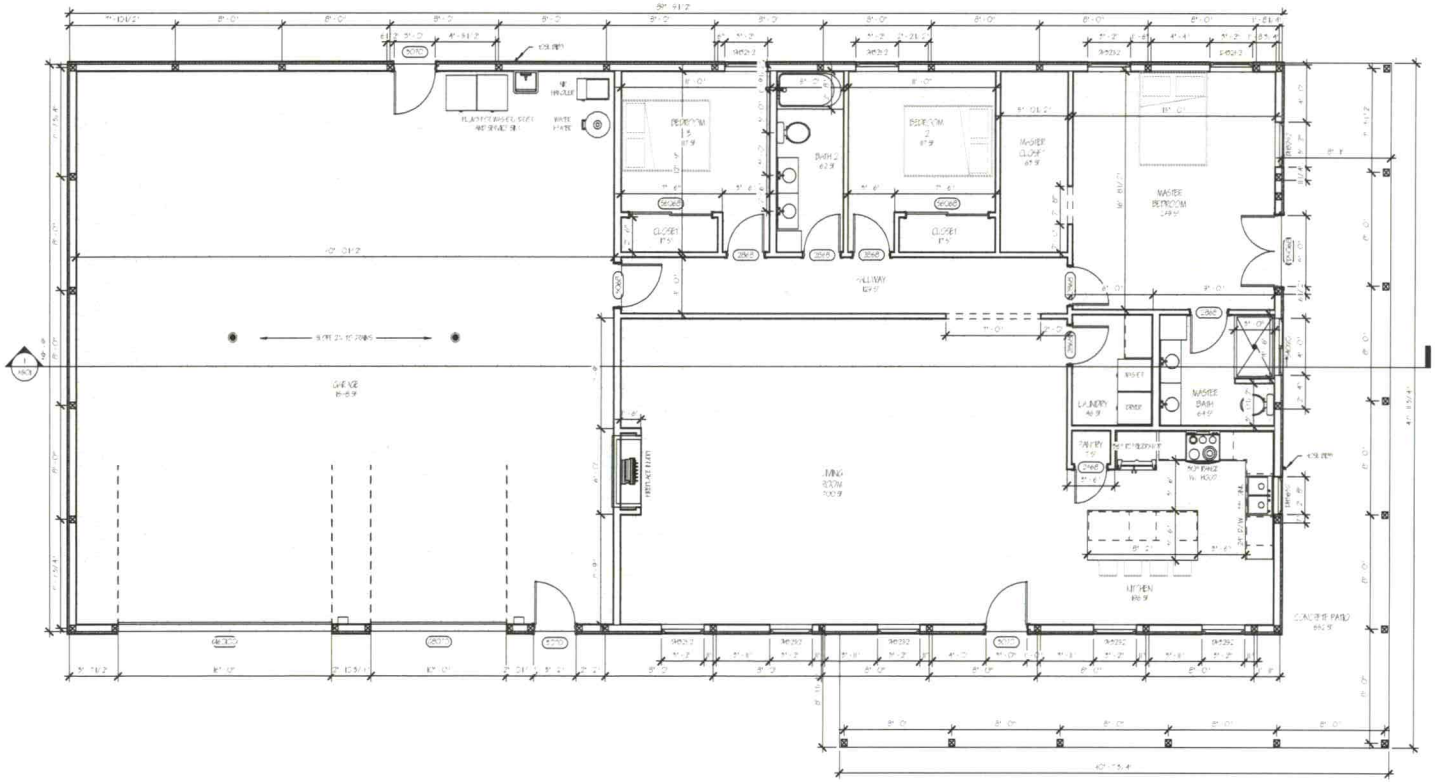
TAG LEGEND

FOR DIFFERENCE ONLY, TYPE WITH SCHEDULE IF AVAILABLE

- DOOR TAG
- WINDOW TAG
- DOOR AS NEW DOOR WITH SIDE LIGHTS AND TRANSOM
- WINDOW TYPE AS NEW WINDOW TYPE BY NEW OPENING TO DOOR

ROOM TAG LEGEND

ROOM NAME
ROOM FLOOR AREA



1 GROUND FLOOR
1/4" = 1'-0"

0' 2' 4' 8' 16'

FOR CONSTRUCTION

REVISIONS

No.	Description	Date

EXTREME POST FRAME

SOWERS RESIDENCE

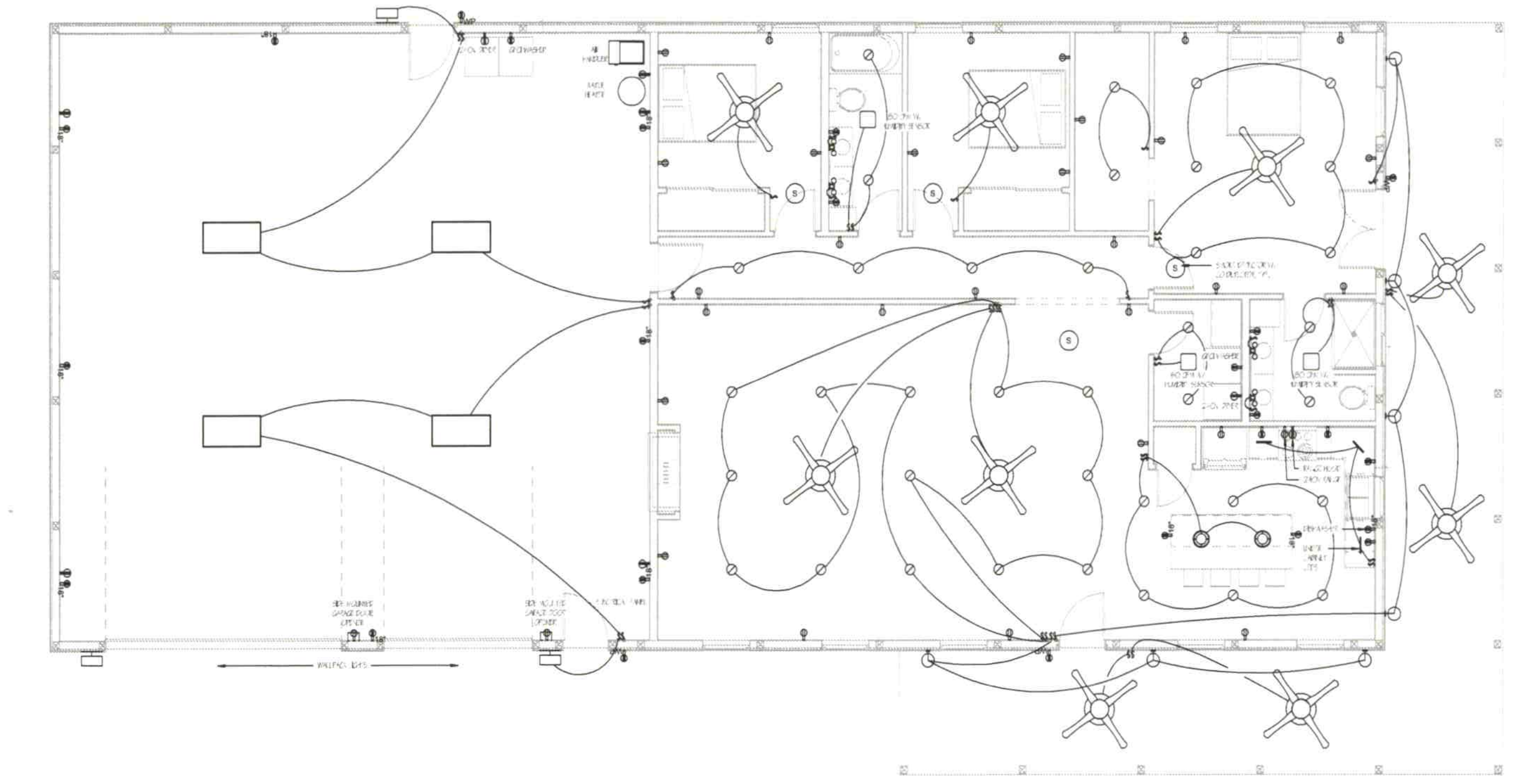
Project number	24-12
Date	03/25/25
Drawn by	KJE
Scale	1/4" = 1'-0"

FLOOR PLAN

A101

ELECTRICAL LEGEND

CEILING LEGEND



GROUND FLOOR ELECTRICAL

FOR CONSTRUCTION

SOWERS RESIDENCE

ELECTRICAL

E101

PERMIT SNAPSHOT REPORT OSWP-2025-68508 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	01/21/2025
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:	House & Attached Garage				

Parcel: 4713519618.000 Main	**Address:** 173 Black Rd Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
Blake Sowers
Home: (704) 929-5617

Applicant/Authorized Agent
Extreme Construction Services
LLC/ Extreme Post Frame
SKYLAR S POWELL
191 Shepherds Bluff Dr
Mooresville, NC 28115
Business: (304) 377-4358

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	40x90
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	3	Foundation Type	Concrete Slab Foundation
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 #		System Description		Repair System Description	
Comments/Conditions		Permit type(s)	Authorization to Construct	Lot Acreage	19.48
Zoning Permit Issued Date	Jan 23 2025 12:00AM	Zoning Permit Expiration Date	Jul 22 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	WSIV PA CATAWBA/LAKE NORMAN				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_SKYLAR_POWELL_1/21/2025.jpg	01/21/2025 10:24	POWELL, SKYLAR		Uploaded via CSS
Auth to act Signed_v1.pdf	01/22/2025 8:09	POWELL, SKYLAR	Available Online	
Sowers Site Plan 1_v1.pdf	01/22/2025 8:44	POWELL, SKYLAR	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2025-278481	Requested	OSWP Septic/Well Preliminary Site Visit	01/23/2025	01/24/2025 0:00	01/24/2025 0:00		

Inspectors: Hart, Ronda (Primary)

Checklist Item	Description	Passed	Comments

PERMIT SNAPSHOT REPORT (OSWP-2025-68508)

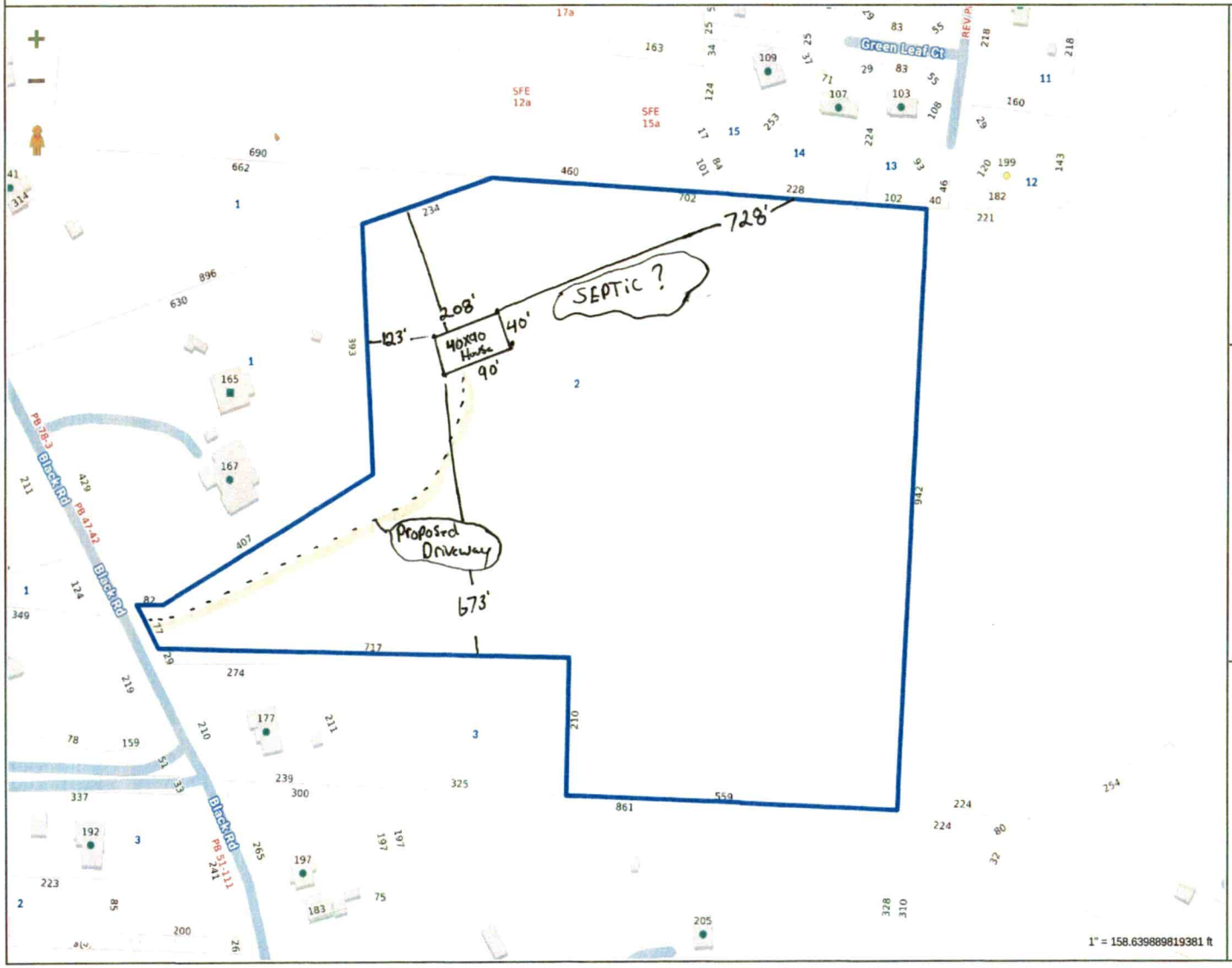
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00040152	Iredell Zoning Permit Fee		$75.00	$75.00
	New Gravity System		$500.00	$500.00
	Iredell Zoning Tech Fee		$2.25	$2.25
		Total for Invoice INV-00040152	$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		01/22/2025 8:08	01/22/2025 8:09
Confirm application complete v.1	Generic Action		01/22/2025 8:09
Zoning Review v.1		01/22/2025 8:46	01/23/2025 8:32
~~Floodplain Admin Overview v.1~~	Task		01/22/2025 8:45
Iredell County Zoning Approval v.1	Task	01/22/2025 8:46	01/22/2025 8:46
Issue Invoice v.1	Generic Action		01/22/2025 8:46
Fees Paid v.1	Generic Action		01/23/2025 8:32
Fees v.1		01/23/2025 8:32	01/23/2025 8:32
Issue Invoice v.1	Generic Action		01/23/2025 8:32
Fees Paid v.1	Generic Action		01/23/2025 8:32
Lot Readiness Verification v.1		01/23/2025 14:10	
OSWP Septic Preliminary Site Visit v.1	Inspection	01/23/2025 14:10	01/23/2025 14:10
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

January 21, 2025



Tax Map Information

• PIN	4713519618.000
• Address	BLACK RD
• Account #	Acct 80113858
• Tax Owner	SOWERS BLAKE
• Mailing Address	126 TOP FLITE DR
•	STATESVILLE, NC 28677
• GIS Owner	SOWERS BLAKE+KELSEY
• Deed Info	3077 / 808 - WD - 20240802
• Tax Acres	19.48 AC
• Lot #	2
• Description	CATHY HOCKING PB80-17
• Zoning	RA
• Old Parcel #	
• Bldg Value	$0
• OBXF Value	$0
• Land Value	$196,750
• Total Value	$196,750
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

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 11/08/2024
Data updated 11/08/2024

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