(BB) Manf-2023-36309

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # OSWP-2023-40795

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

PIN # 4649 -- 34 -- 9571

APPLICANT/OWNER: Joseph Wilson | APPLICANT ADDRESS: 232 Fern Hill Rd, Troutman, NC 28166

SITE ADDRESS: 232 Fern Hill Rd, Troutman, NC 28166 | PHONE: (803) 847-1885 | ALT. PHONE –

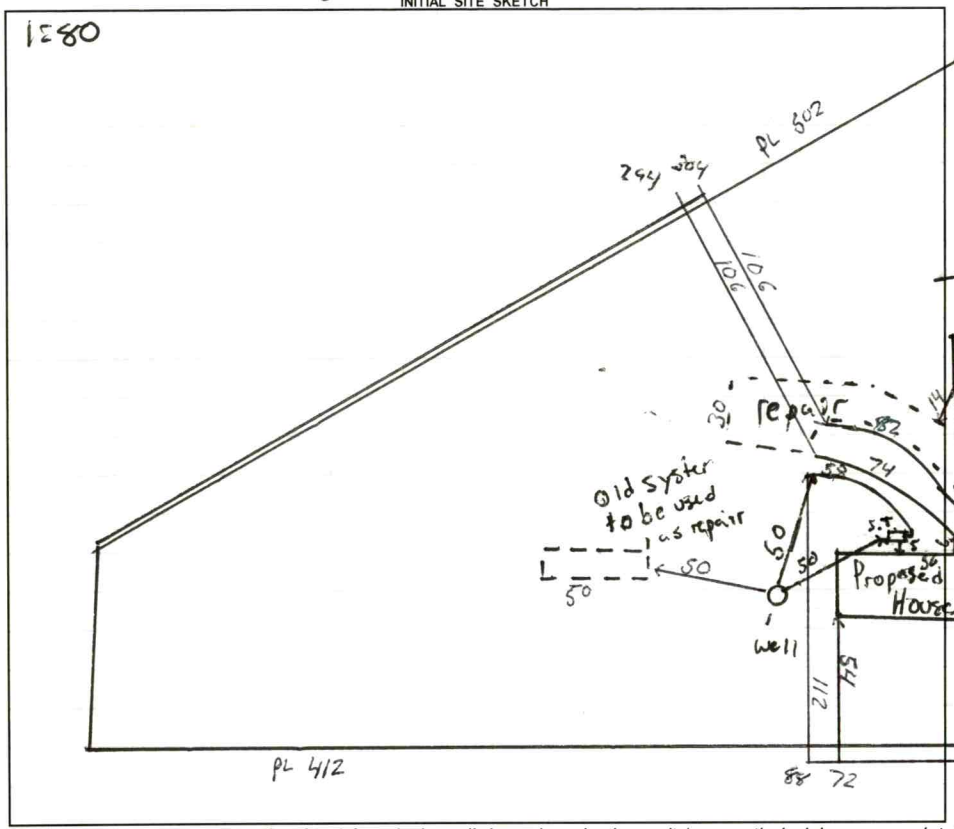
SITE DIRECTIONS: N Center St, Wagner St, Fern Hill Rd | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: – | SECTION: – | LOT # – | LOT AREA: 2.6 Ac | DESIGN FLOW: 240 | L.T.A.R.: .3

Septic Tank	1000 (gal)	STB	354	Date	10/19/23	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms 2	Water Supply
Pump Tank	(gal)	PT		Date		System Description:	25% Reduction - Serial			☐ Business	No. Persons 4	☑ Private Ext
Pump Make		Model		Serial #		Repair System Description:	Existing Gravel Bed			☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	3	Linear Ft	200 ft	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space	☐ Community
Trench Width	36 in	Trench Bottom Depth(Low side)		32 in	Gravel Depth	N/A	☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing

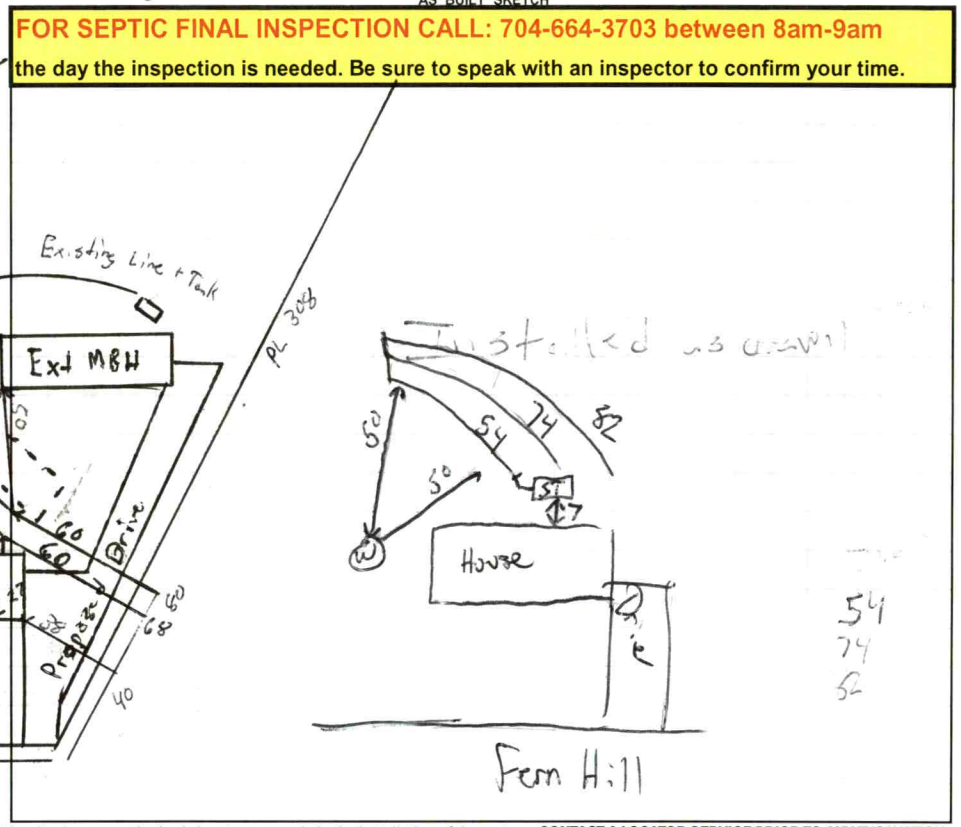
Comments / Conditions: Install on contour with 9ft centers. Stay 50ft off well. There is 214ft laid out. First line can become shorter to give room for tank. Do not drive, park or construct septic area. Tank from old system must be pump, crush, filled due to being within 50ft from well before signing off. Well is only allowed to serve one house.

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: Anderson Septic

IMPROVEMENT PERMIT by: Matt Wilki | Date: 12/14/23 | OPERATION PERMIT by: Matt Wilki | Date: 1/23/24

AUTHORIZATION TO CONSTRUCT by: Matt Wilki | Date: 12/14/23 | Existing System Inspected by: | Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

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

Sheet 1 of 1
PROPERTY ID #: 4649349571
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Joseph Wilson
ADDRESS: 232 Fern Hill
PROPOSED FACILITY: SFR
LOCATION OF SITE: 232 Fern Hill
APPLICATION DATE: 11/8/23
DATE EVALUATED: 12/6/23
PROPOSED DESIGN FLOW (.1949): 240
PROPERTY SIZE: 2.6 Ac
PROPERTY RECORDED: yes

WATER SUPPLY: Private Public (Well) Spring Other
EVALUATION METHOD: Auger Boring (Pit) Cut
TYPE OF WASTEWATER: (Sewage) Industrial Process Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 10%	0-6	SCL/Gr	SS sp fr SE	–	48	Sap inclusions 40+	Litho 32	PS .3
		6-30	CL/SBk	SS sp fr SE					
		30-48	CL/SBk	SS sp fi SE					
2	LS 8%	0-7	SCL/Gr	SS sp fr SE	–	48	–	–	PS .3
		7-25	CL/SBK	SS sp fr SE					
		25-48	CL/SBK	SS sp fi SE					
3	LS 7%	0-24	CL/SBK	SS sp fr SE	–	48	Sap inclusions 40+	–	PS .3
		24-48	CL/SBK	SS sp fr SE					
4	LS 2%	0-48	CL/SBK	SS sp fr SE	–	48	–	–	PS .3

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240	Existing
System Type(s)	25%	Bed
Site LTAR	.3	

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew W
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

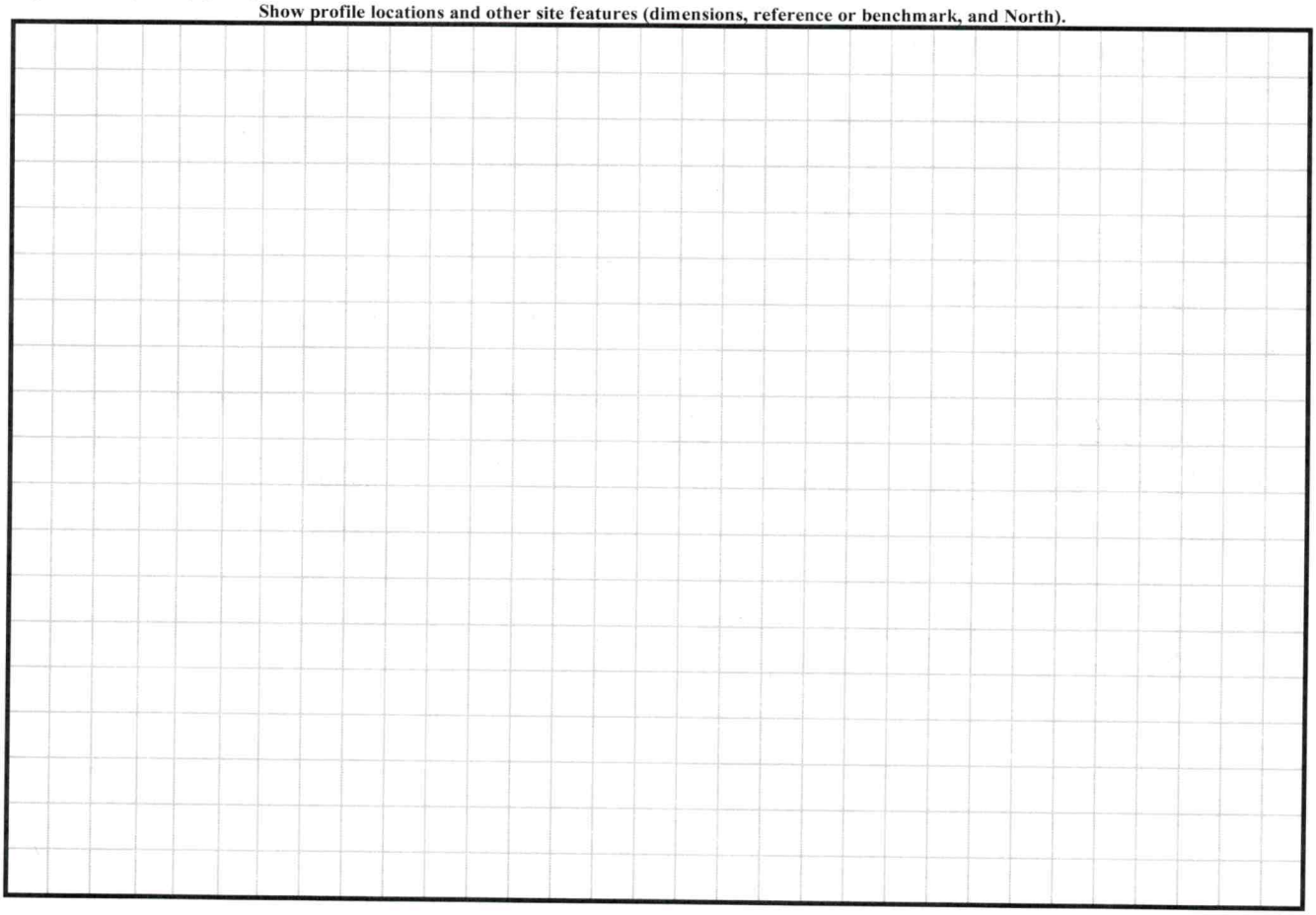
NOTES

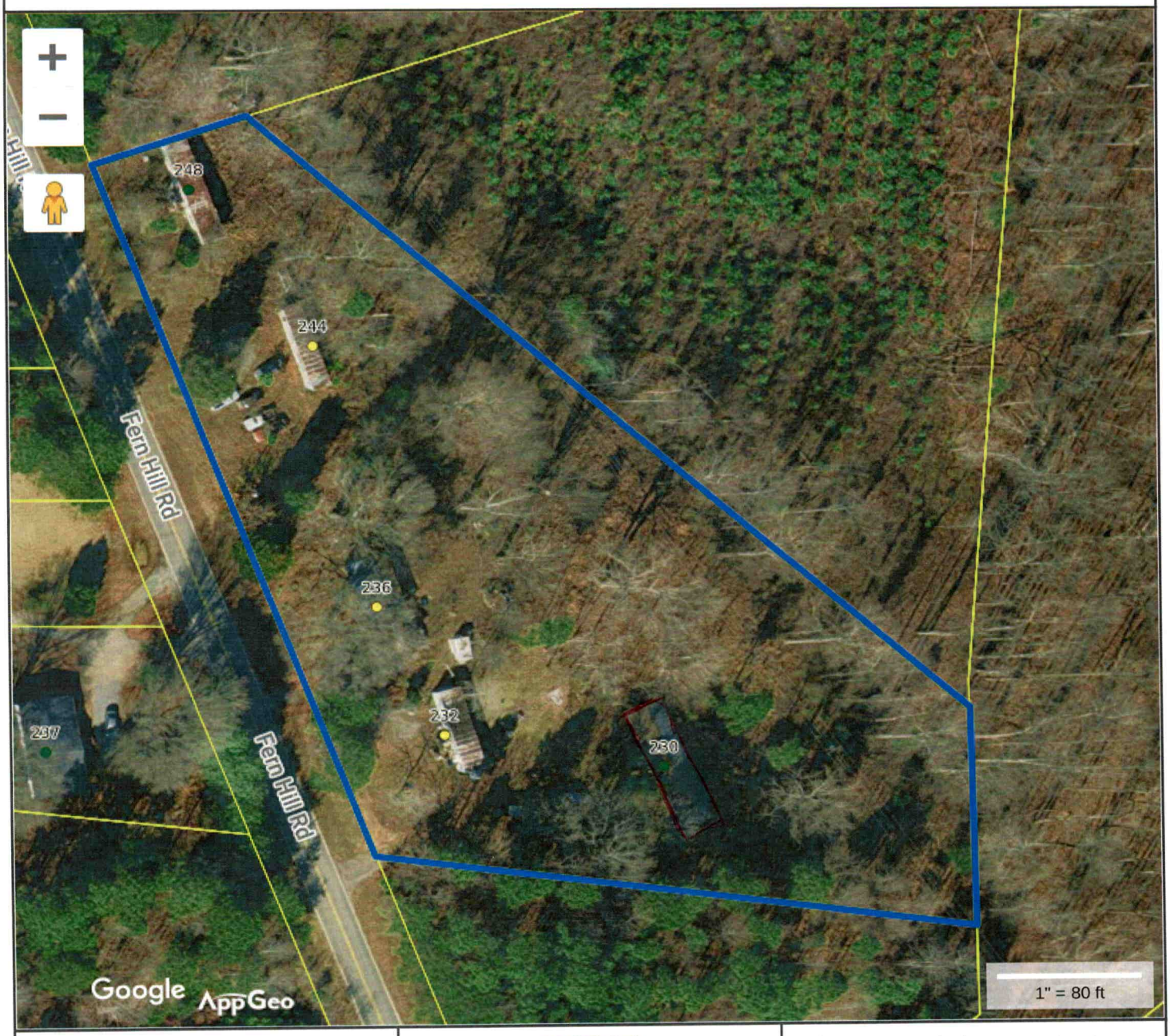
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).





Tax Map Information

• PIN	4649349571.000
• Address	236 FERN HILL RD
• Account #	Acct 77478159
• Tax Owner	WILSON JOSEPH ERVIN
• Mailing Address	539 SERENITY PT
•	LAWRENCEVILLE, GA 30046
• GIS Owner	WILSON JOSEPH E
• Deed Info	1372 / 1918 - DD - 20111015
• Tax Acres	2.6 AC
• Lot #	
• Description	STONE SR1300 (LE)
• Zoning	RA
• Old Parcel #	1702R00000A001
• Bldg Value	$0
• OBXF Value	$10,400
• Land Value	$90,000
• Total Value	$100,400
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

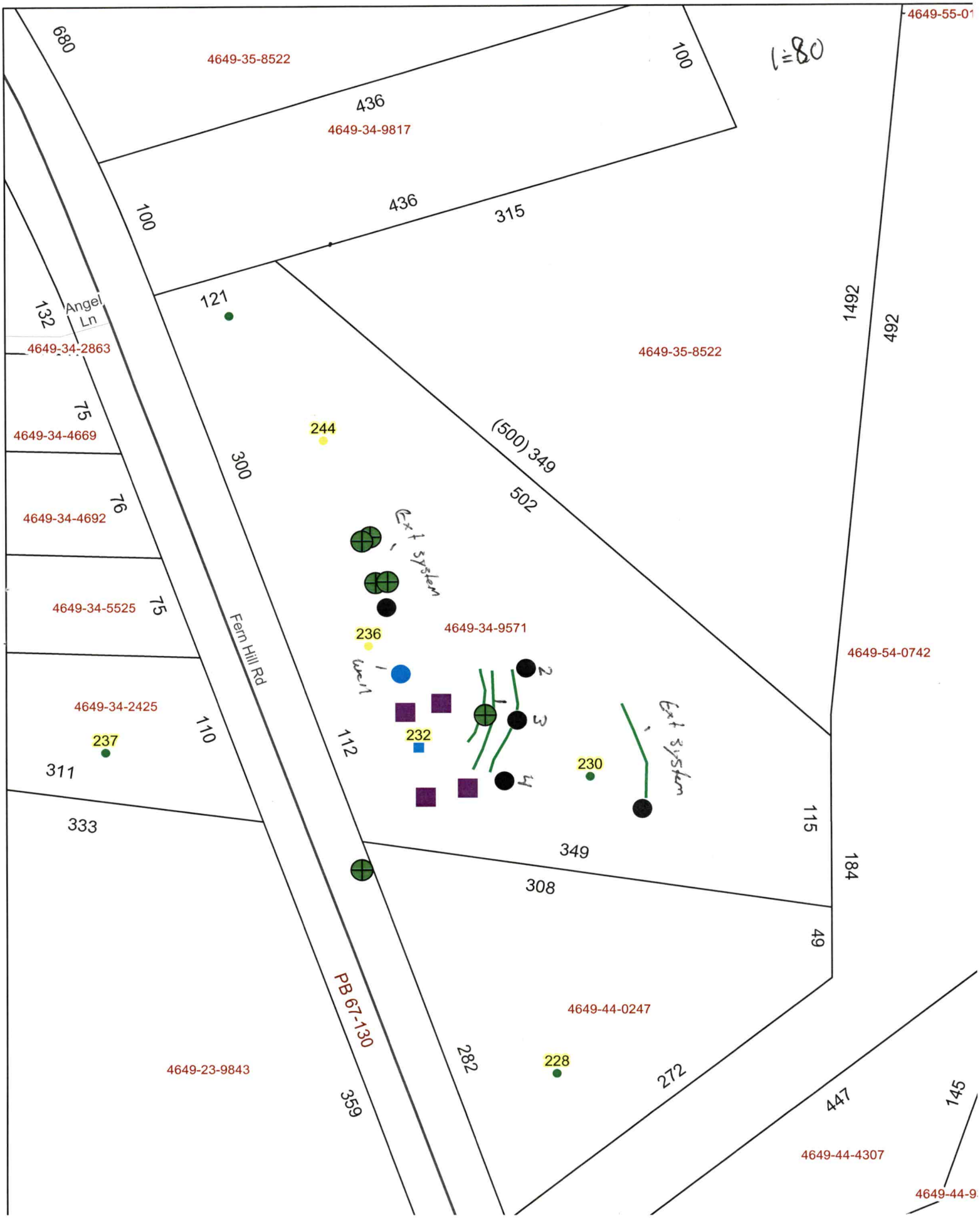
IREDELL COUNTY NC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

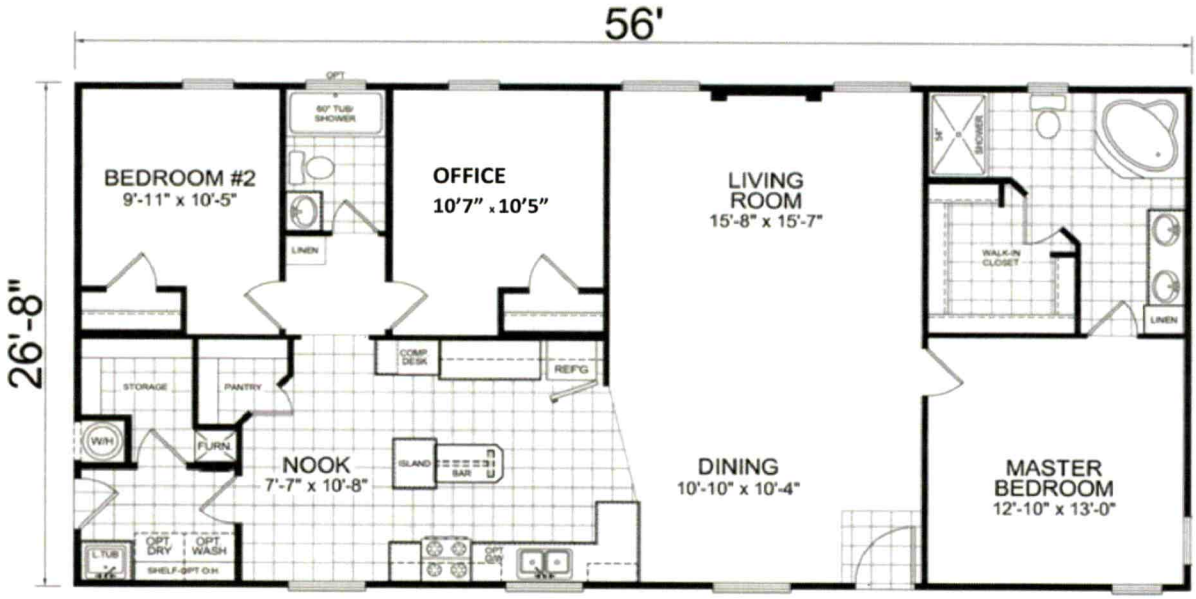
Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 11/15/2023
Data updated 11/14/2023

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


1:80
4649-55-01
680
4649-35-8522
100
436
4649-34-9817
100
436
315
121
Angel Ln
132
4649-34-2863
1492
492
4649-35-8522
75
4649-34-4669
244
(500) 349
300
502
76
4649-34-4692
Ext system
4649-34-5525
75
236
4649-34-9571
4649-54-0742
well
Fern Hill Rd
4649-34-2425
110
232
2
1
3
237
112
311
230
4
Ext system
115
333
349
184
308
49
PB 67-130
4649-44-0247
282
228
272
4649-23-9843
359
447
145
4649-44-4307
4649-44-9

232 Fern Hill Road
Troutman, NC 28166
Floor Plan



Acknowledgement Of
Plans Submittal ONLY!

Mark Wilkie Date 12/14/23

Date

PERMIT SNAPSHOT REPORT OSWP-2023-40792
FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	11/08/2023
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: I am requesting a new septic improvement permit for the home located at 232 Fern Hill Rd, Troutman, NC 28166. OLD PERMIT : OSWP-2023-35925 RELOCATING SEPTIC TANK 11/20 Site was surveye and marked locating permit first permit. GM

Parcel: 4649349571.000 Main	**Address:** 232 Fern Hill Rd Troutman, NC 28166 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Joseph Wilson	Joseph Wilson
232 Fern Hill Road	232 Fern Hill Road
Troutman, NC 28166	Troutman, NC 28166
Mobile: (803) 847-1885	Mobile: (803) 847-1885

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	60 X 28 Double Wide Mobile Home
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	2
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Existing Well	Desired Septic System Type	No Preference
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Joseph_Wilson_11/8/2023.jpg	11/08/2023 8:43	Wilson, Joseph		Uploaded via CSS
232 Fern Hill - TB Boundary Map_v1.pdf	11/08/2023 11:32	COMEAUX, DEBRA	Available Online	Additional Supporting Information
232 Fern HIll Floorplan_v1.pdf	11/08/2023 11:32	COMEAUX, DEBRA	Available Online	Floor Plan(s)
JWilson Legal Doc 2023_v1.pdf	11/08/2023 11:32	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-165617	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	11/22/2023	11/20/2023 0:00	11/20/2023 0:00	11/22/2023 8:18	11/22/2023 8:18

Inspectors: McLeod, Grace (Primary)

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

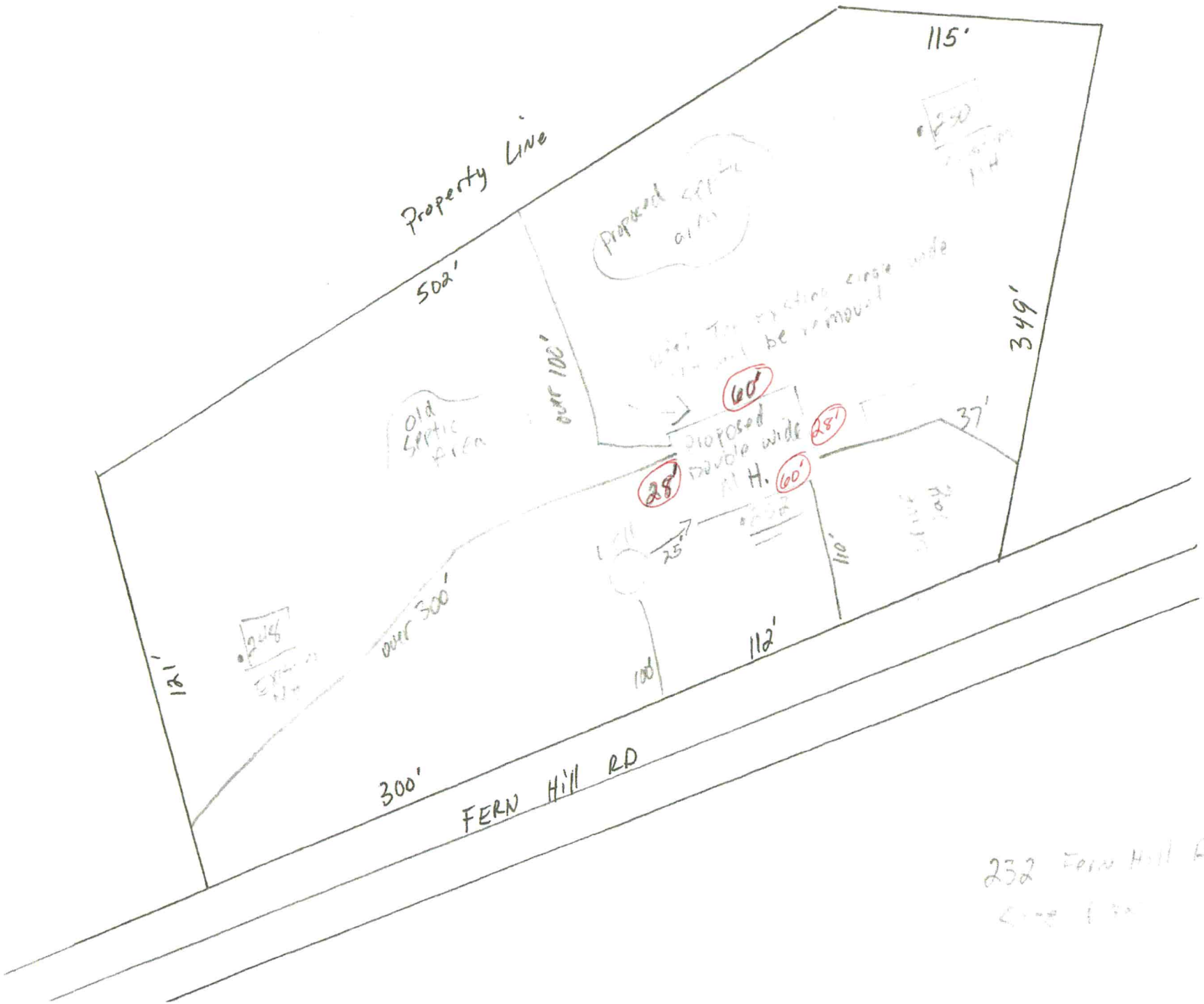
Note	Created By	Date and Time Created
1. 11/20 Lot was surveyed and marked for locating permit. GM	Grace McLeod	11/22/2023 8:17

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00023479	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00023479	$500.00	$500.00

PERMIT SNAPSHOT REPORT (OSWP-2023-40792)

	Grand Total for Permit	**$500.00**	**$500.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		11/17/2023 8:29	11/17/2023 8:30
Confirm application complete v.1	Generic Action		11/17/2023 8:30
Fees v.1		11/17/2023 11:51	11/20/2023 8:16
Fees Paid v.1	Generic Action		11/20/2023 8:16
Issue Invoice v.1	Generic Action		11/17/2023 11:52
~~**Zoning Review v.1**~~			11/17/2023 11:39
~~Floodplain Admin Overview v.1~~	Task		11/17/2023 11:39
~~Issue Invoice v.1~~	Generic Action		11/17/2023 11:39
~~Fees Paid v.1~~	Generic Action		11/17/2023 11:39
Lot Readiness Verification v.1		11/22/2023 8:18	
OSWP Septic Preliminary Site Visit v.1	Inspection	11/22/2023 8:18	11/22/2023 8:18
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		



232 Fern Hill Rd



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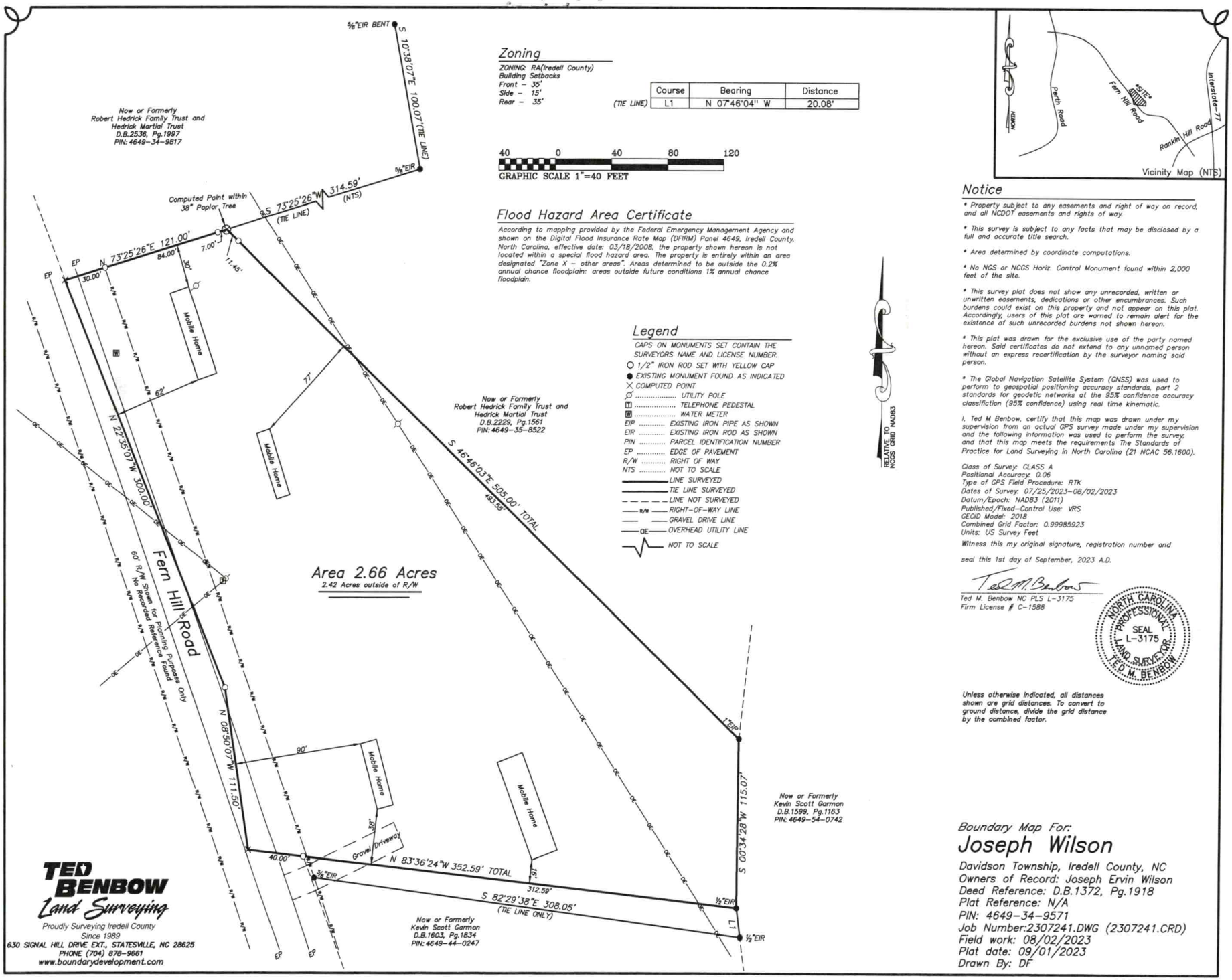
IREDELL COUNTY NC

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Geometry updated 11/15/2023
Data updated 11/14/2023

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



Zoning

ZONING: RA(Iredell County)
Building Setbacks
Front – 35'
Side – 15'
Rear – 35'

Course	Bearing	Distance
(TIE LINE) L1	N 07°46'04" W	20.08'

Flood Hazard Area Certificate

According to mapping provided by the Federal Emergency Management Agency and shown on the Digital Flood Insurance Rate Map (DFIRM) Panel 4649, Iredell County, North Carolina, effective date: 03/18/2008, the property shown hereon is not located within a special flood hazard area. The property is entirely within an area designated "Zone X – other areas". Areas determined to be outside the 0.2% annual chance floodplain: areas outside future conditions 1% annual chance floodplain.

Legend

CAPS ON MONUMENTS SET CONTAIN THE SURVEYORS NAME AND LICENSE NUMBER.

- 1/2" IRON ROD SET WITH YELLOW CAP
- EXISTING MONUMENT FOUND AS INDICATED
- COMPUTED POINT
- UTILITY POLE
- TELEPHONE PEDESTAL
- WATER METER
- EIP ..... EXISTING IRON PIPE AS SHOWN
- EIR ..... EXISTING IRON ROD AS SHOWN
- PIN ..... PARCEL IDENTIFICATION NUMBER
- EP ..... EDGE OF PAVEMENT
- R/W ..... RIGHT OF WAY
- NTS ..... NOT TO SCALE
- LINE SURVEYED
- TIE LINE SURVEYED
- LINE NOT SURVEYED
- R/W RIGHT-OF-WAY LINE
- GRAVEL DRIVE LINE
- OE OVERHEAD UTILITY LINE
- NOT TO SCALE

Notice

* Property subject to any easements and right of way on record, and all NCDOT easements and rights of way.

* This survey is subject to any facts that may be disclosed by a full and accurate title search.

* Area determined by coordinate computations.

* No NGS or NCGS Horiz. Control Monument found within 2,000 feet of the site.

* This survey plat does not show any unrecorded, written or unwritten easements, dedications or other encumbrances. Such burdens could exist on this property and not appear on this plat. Accordingly, users of this plat are warned to remain alert for the existence of such unrecorded burdens not shown hereon.

* This plat was drawn for the exclusive use of the party named hereon. Said certificates do not extend to any unnamed person without an express recertification by the surveyor naming said person.

* The Global Navigation Satellite System (GNSS) was used to perform to geospatial positioning accuracy standards, part 2 standards for geodetic networks at the 95% confidence accuracy classifiction (95% confidence) using real time kinematic.

I, Ted M Benbow, certify that this map was drawn under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey; and that this map meets the requirements The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600).

Class of Survey: CLASS A
Positional Accuracy: 0.06
Type of GPS Field Procedure: RTK
Dates of Survey: 07/25/2023-08/02/2023
Datum/Epoch: NAD83 (2011)
Published/Fixed-Control Use: VRS
GEOID Model: 2018
Combined Grid Factor: 0.99985923
Units: US Survey Feet

Witness this my original signature, registration number and seal this 1st day of September, 2023 A.D.

Ted M. Benbow NC PLS L-3175
Firm License # C-1588

NORTH CAROLINA PROFESSIONAL SEAL L-3175 LAND SURVEYOR TED M. BENBOW

Unless otherwise indicated, all distances shown are grid distances. To convert to ground distance, divide the grid distance by the combined factor.

TED BENBOW Land Surveying
Proudly Surveying Iredell County
Since 1989
630 SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878-9661
www.boundarydevelopment.com

Boundary Map For:

Joseph Wilson

Davidson Township, Iredell County, NC
Owners of Record: Joseph Ervin Wilson
Deed Reference: D.B.1372, Pg.1918
Plat Reference: N/A
PIN: 4649-34-9571
Job Number:2307241.DWG (2307241.CRD)
Field work: 08/02/2023
Plat date: 09/01/2023
Drawn By: DF