ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BCW BLDR-2024-54678

PERMIT: OSWP 2024-463886

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

PIN # 4870-61-2805

APPLICANT/OWNER: Robin L Messier | APPLICANT ADDRESS: 3218 Mountain Creek Dr. Sherrills Ford NC 28673

SITE ADDRESS: 2066 Alexander Farm Rd Harmony NC 28634 | PHONE: 860-208-9480 | ALT. PHONE —

SITE DIRECTIONS: Hwy 21 N → (R) Alexander Farm Rd → site on (R) | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Norman & Robin Messier | SECTION: — | LOT # 1 | LOT AREA: 4.87 | DESIGN FLOW: 480 | L.T.A.R.(Initial): 0.275 | L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB	760	Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☐ Residence	No. Bedrooms 4
Pump Tank	(gal)	PT		Date		System Description:	Gravity 25% Reduction			☐ Business	No. Persons 8
Pump Make		Model		Serial #		Repair System Description:	Gravity 25% Reduction			☐ Other	No. Employees —
# Nitrification Fields	1	# Lines	7	Linear Ft	438	Maintenance Agreement Required:	☐ YES	☒ NO		☒ Slab	☐ Crawl Space
Trench Width	36	*Max. Trench Depth(Initial)	34	*Max. Trench Depth(Repair)	34	Gravel Depth	—	☒ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

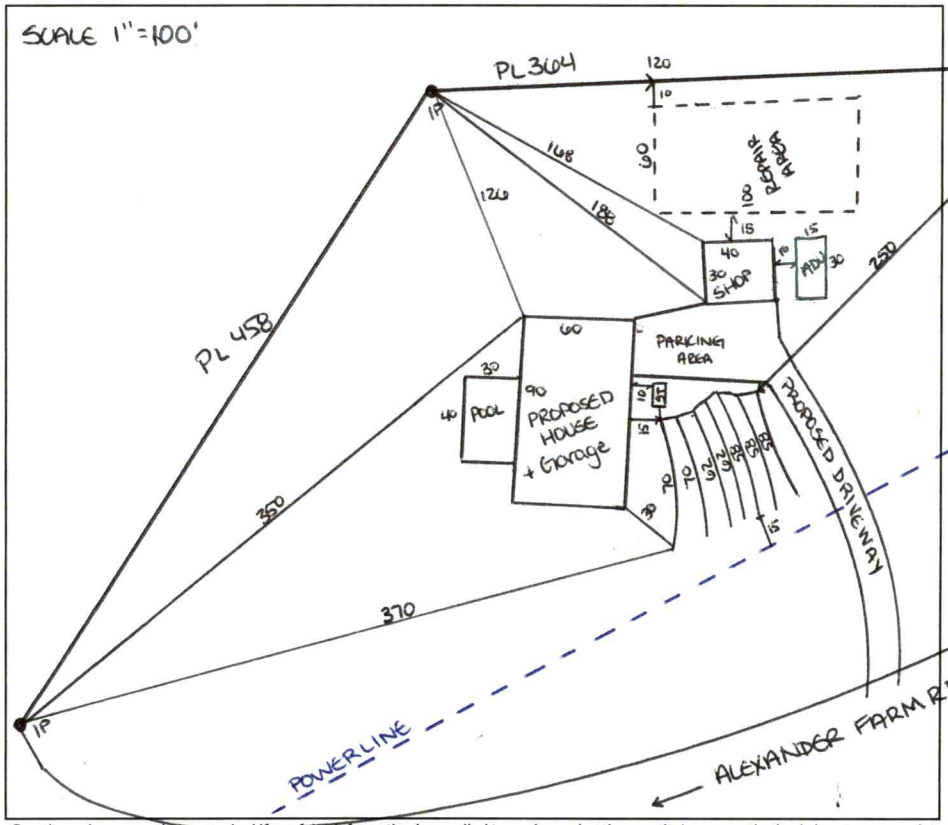
* Measured on the downhill side of the trench | Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 | Usable Depth to LC (Initial): 48 | Usable Depth to LC (Repair): 48 | *Limiting Condition*

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Install on contour 9' on center. Do not exceed 36" trench depth. Future ADU must meet all zoning requirements when built in future. Counts as 4th bedroom.

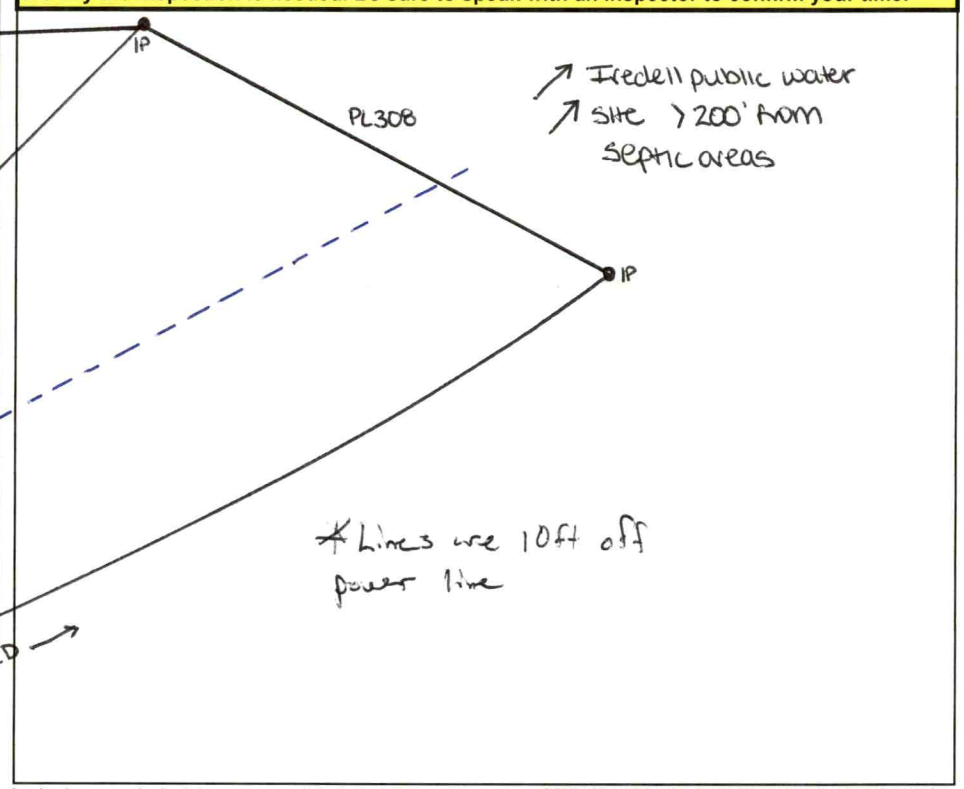
Lot to be deeded + recorded prior to AC ✓
PLAT book 647 page 262 See attached floorplans.
ADU will require existing system inspection when added.

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 EXCEDVATION**

☐ **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: — | Installed by: Nic Hill Stutts

IMPROVEMENT PERMIT by: Sarah Williams | Date: 3/20/2024 | OPERATION PERMIT by: Matt Wi | Date: 8/1/24

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 5/21/2024 | 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-2024-46386 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/05/2024
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:**	Bracken, Sarah	**Approval Expire Date:**	
Description:	New Septic				

Parcel: 4870701088.000 Main	**Address:** 206 Alexander Farm Rd Harmony, NC 28634 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
JASON S+M KATHRYN ALEXANDER ALEXANDER

Applicant/Authorized Agent
Robin L Messier
3218 Mountain Creek Drive
Sherrills Ford, NC 28673
Mobile: (860) 208-9480

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	Home- 54 x 86 Secondary garage - 30 x 40
What are the proposed structures	New Single-Family Residence - Stick Built, Other Addition/Structure, Swimming Pool	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Concrete Slab Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Feb 20 2024 12:00AM	Zoning Permit Expiration Date	Aug 18 2024 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_Robin_Messier_2/5/2024.jpg	02/05/2024 15:00	Messier, Robin		Uploaded via CSS
Owner Authorization_v1.pdf	02/05/2024 15:23	Messier, Robin	Available Online	
Site Plan 206 Alexander Farm Rd_v1.pdf	02/06/2024 9:13	Messier, Robin	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-192518	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	02/26/2024	02/23/2024 0:00	02/23/2024 0:00	02/26/2024 8:16	02/26/2024 8:16

Inspectors: Moore, Bradley (Primary)

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

PERMIT SNAPSHOT REPORT (OSWP-2024-46386)

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00026443	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-00026443	$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		02/05/2024 15:25	02/05/2024 15:26
Confirm application complete v.1	Generic Action		02/05/2024 15:26
Fees v.1		02/19/2024 8:05	02/19/2024 8:05
Fees Paid v.1	Generic Action		02/19/2024 8:05
Issue Invoice v.1	Generic Action		02/19/2024 8:05
Zoning Review v.1		02/06/2024 9:15	02/20/2024 8:31
~~Floodplain Admin Overview v.1~~	Task		02/06/2024 9:15
Iredell County Zoning Approval v.1	Task	02/06/2024 9:15	02/20/2024 8:31
Issue Invoice v.1	Generic Action		02/06/2024 9:15
Fees Paid v.1	Generic Action		02/19/2024 8:05
Lot Readiness Verification v.1		02/26/2024 8:16	
OSWP Septic Preliminary Site Visit v.1	Inspection	02/26/2024 8:16	02/26/2024 8:16
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		

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

PROPERTY ID #: 4870-70-1088
COUNTY: IREDELL

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

OWNER: Robin L Messier DATE EVALUATED: 3/5/2024
ADDRESS: 3218 Mountain Creek Drive Sherrills Ford NC 28673
PROPOSED FACILITY: SFR 3BR SLAB PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 155
LOCATION OF SITE: 206 Alexander Farm Rd Harmony, NC 28634 PROPERTY RECORDED: ~~Y~~
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	Nose 5%	0-22	C ABK	S P SE FR	few MN in C 0-22 heavy SAP in CL 26"+	(57)		—	S 0.275	2"
		22-51	CL WABK	SS SP SE FR						
2	LS 3-5%	0-23	C ABK	S P SE FR	heavy SAP in CL 27"+	(55)		—	S 0.3	2"
		23-55	CL WABK	SS SP SE FR						
3	LS 5-6%	0-8	C PLOW	S P SE FR	heavy SAP in CL 27"+	(52)		—	S 0.3	2"
		8-24	C ABK	SS SP SE FR						
		24-52	CL WABK	SS SP SE FR						
4	LS 3%	0-5	C PLOW	S P SE FR	heavy SAP in CL 24"+	(52)		—	S 0.3	2"
		5-21	C ABK	S P SE FR						
		21-52	CL WABK	SS SP SE FR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	437'	400'
System Type(s)	G 25%	G 25%
Site LTAR	0.275	0.3
Maximum Trench Depth	34"	34"

SITE CLASSIFICATION (.0509): S 0.275
EVALUATED BY: S. Williams
OTHER(S) PRESENT: ___

Comments: ___

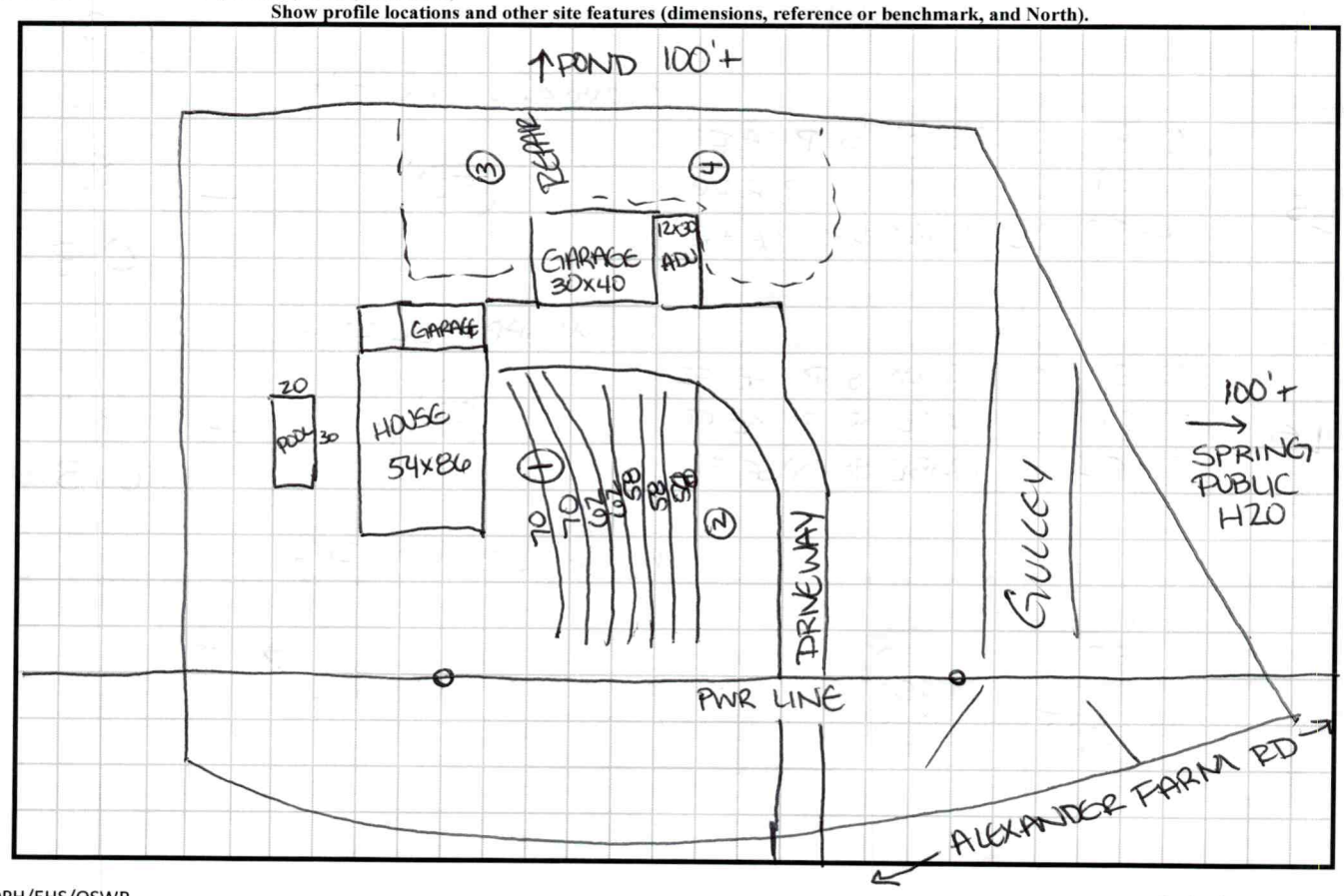
LEGEND

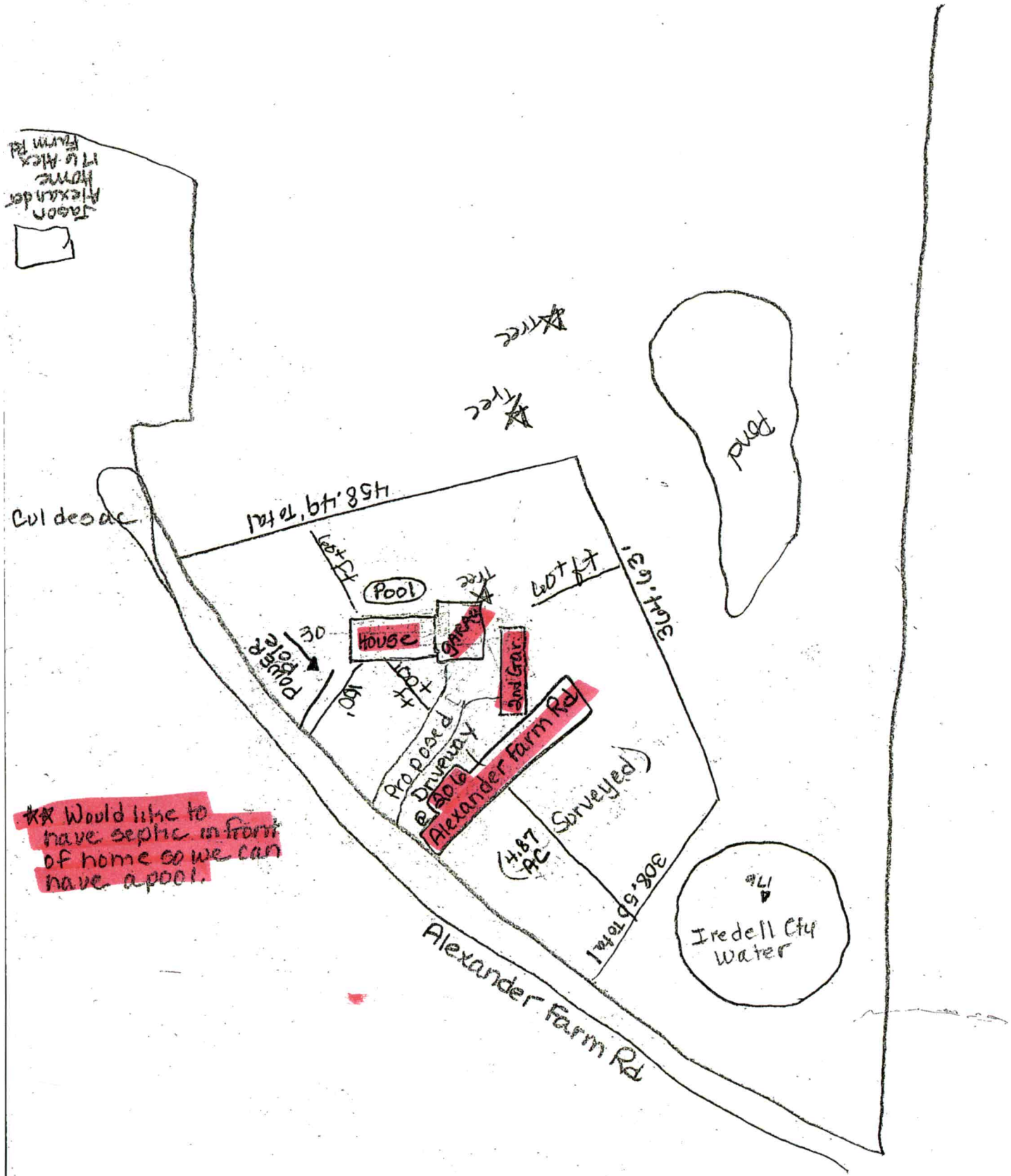
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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

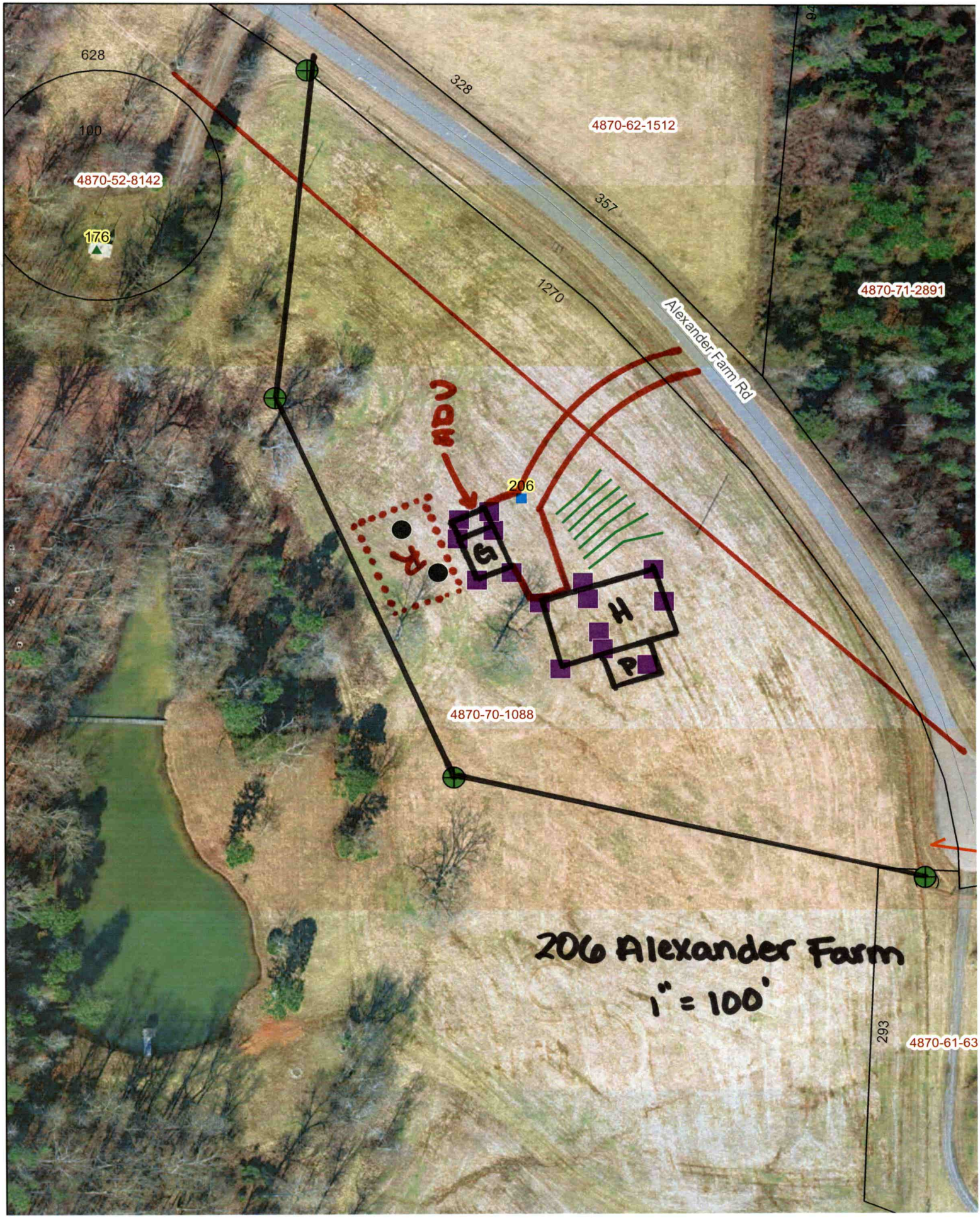
* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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).




Jason Alexander Home 175 Alexander Farm Rd
Cul de sac
458.49' total
Pool
House
garage
2nd Gar.
Proposed Driveway
Alexander Farm Rd
Surveyed
4.87 AC
308.58' total
Iredell City Water
pond
tree
tree
tree
Would like to have septic in front of home so we can have a pool.


628
100
4870-52-8142
176
328
4870-62-1512
357
1270
Alexander Farm Rd
4870-71-2891
ADU
206
G
H
P
4870-70-1088
293
4870-61-63
206 Alexander Farm
1" = 100'

1" = 100'

206 Alexander Farm

1st FLOOR LIVING SPACE	2076SQFT
2nd FLOOR LIVING SPACE	N/A
LOFT SPACE	N/A
GARAGE SPACE	900 SQFT
BACK PORCH	560 SQFT
FRONT PORCHE	448 SQFT

