BCW BLDR-2023-34299

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # OSWP-2023-31972

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM / EXPANSION PIN # 4730 -- 29 -- 6656

APPLICANT/OWNER: Robert Nelson | APPLICANT ADDRESS: 4212 Lytton St Troutman, NC 28166

SITE ADDRESS: 280 Lytton Farm Rd Troutman, NC 28166 | PHONE: (704) 450-0082 | ALT. PHONE

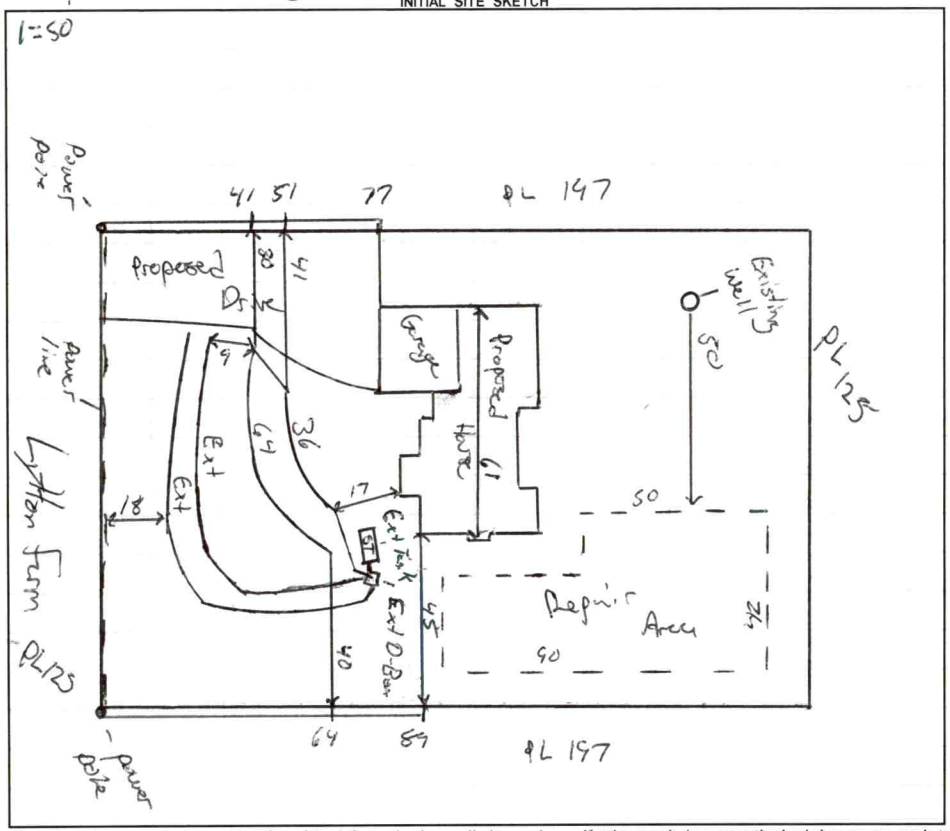
SITE DIRECTIONS: N Center St, Talley St, Lytton Farm | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: HAWKINS LE | SECTION: - | LOT # 12 | LOT AREA: .565 Ac | DESIGN FLOW: 360 | L.T.A.R.: .3

Septic Tank: Ext (gal)	STB	Date	☐ New System ☐ Repair ☑ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms: 3	Water Supply: ☑ Private
Pump Tank (gal)	PT	Date	System Description: 25% Reduction - Serial		☐ Business	No. Persons: 6	☐ Public
Pump Make	Model	Serial #	Repair System Description: 50% Reduction - Vertical		☐ Other	No. Employees	☐ Community
# Nitrification Fields: 1	# Lines: Ext + 2	Linear Ft: Ext + 100ft	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36 in	Trench Bottom Depth(Low side): 33 in	Gravel Depth: N/A	☑ GRAVITY ☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing	

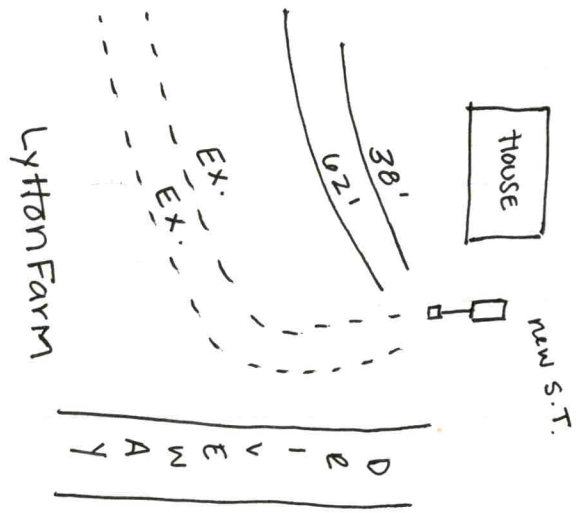
Comments / Conditions: Do not exceed 36 in. Install on contour with 3ft on centers. Do not drive, park or construct on septic area. Replace existing D-Box if necessary

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: Lentz

IMPROVEMENT PERMIT by: Matt Wiri | Date: 8/16/23 | OPERATION PERMIT by: Sydney Holland | Date: 10/19/23

AUTHORIZATION TO CONSTRUCT by: Matt Wiri | Date: 8/16/23 | 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 #: 4780276656
COUNTY: Iredell

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

OWNER: Robert Neilson JR
ADDRESS: 442 Lytton St
PROPOSED FACILITY: SFD
LOCATION OF SITE: 260 Lytton Farm
APPLICATION DATE: 7/25/23
DATE EVALUATED: 8/15/23
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: .565 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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 6%	0-12	Disturbed	SS sp fr SE	-	46	Sap inclusions in CL	-	PS .3
		12-36	C/SBK	SS sp fr SE					
		36-46	CL/SBK	SS sp fr SE					
2	LS 6%	0-10	Disturbed	SS sp fr SE	-	46	Sap inclusions in CL	-	PS .3
		10-32	C/SBK	SS sp fr SE					
		32-46	CL/SBK	SS sp fr SE					
3	LS 7%	0-10	Disturbed	SS sp fr SE	-	46	Sap inclusions in CL	-	PS .3
		10-26	C/SBK	SS sp fr SE					
		26-46	CL/SBK	SS sp fr SE					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	25%	50%
Site LTAR	-3	.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.

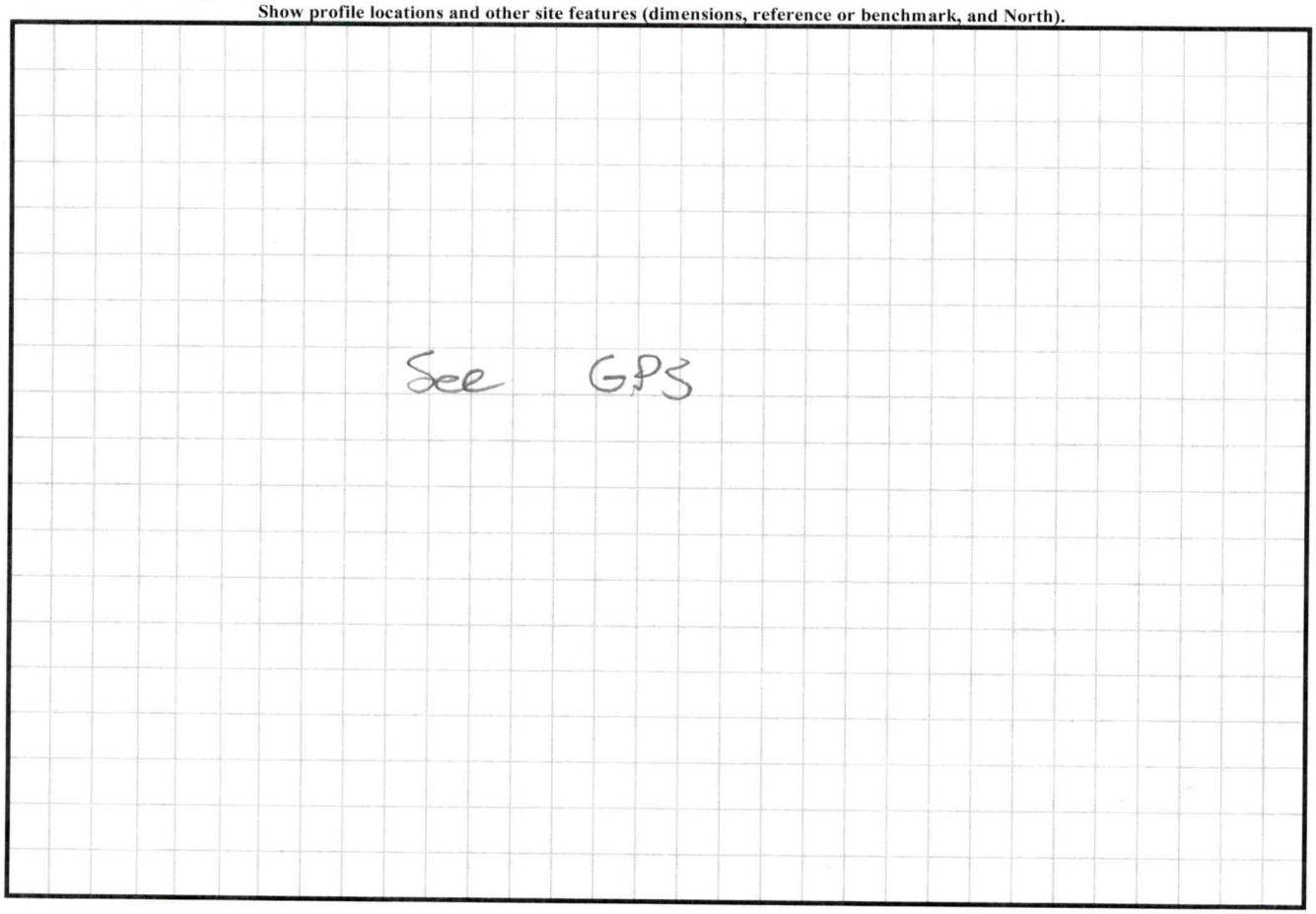
NOTES

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).



PERMIT SNAPSHOT REPORT OSWP-2023-31972 FOR IREDELL COUNTY

Permit Type:	Environmental Health OSWP	**Project:**		**App Date:**	07/25/2023
Work Class:	EH Septic Permit	**District:**	Troutman	**Exp Date:**	08/13/2028
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wilkinson, Matthew	**Approval Expire Date:**	08/15/2023

Description: Existing septic inspection for new single family home. CALLED READY PER ROBERT 8/3/23 rh 8/4 Site visit site ready GM

Parcel: 4730296656.000 Main	**Address:** 280 Lytton Farm Rd Troutman, NC 28166 Main	**Zone:** RS(Suburban Residential District)

Property Owner	Applicant/Authorized Agent
ROBERT TAYLOR NEILSON JR 442 LYTTON ST AND PO BOX 573 TROUTMAN, NC Mobile: (704) 450-0082	ROBERT TAYLOR NEILSON JR 442 LYTTON ST AND PO BOX 573 TROUTMAN, NC Mobile: (704) 450-0082

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Existing System Inspection, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	61'6" wide 44'6" deep
What are the proposed structures	New Single Family Residence	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
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	Conventional (most common)
Has this project been approved by TRC	No	Front Setback	25	Back Setback	25
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Jul 31 2023 12:00AM
Zoning Permit Expiration Date	Jan 27 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	WSIV PA COOLEMMEE

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_ROBERT_NEILSON_7/26/2023.jpg	07/25/2023 22:09	ROBERT, TAYLOR NEILSON JR		Uploaded via CSS

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-123140	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	08/04/2023	08/04/2023 0:00	08/04/2023 0:00	08/04/2023 12:34	08/04/2023 12:34

Inspectors: McLeod, Grace (Primary)

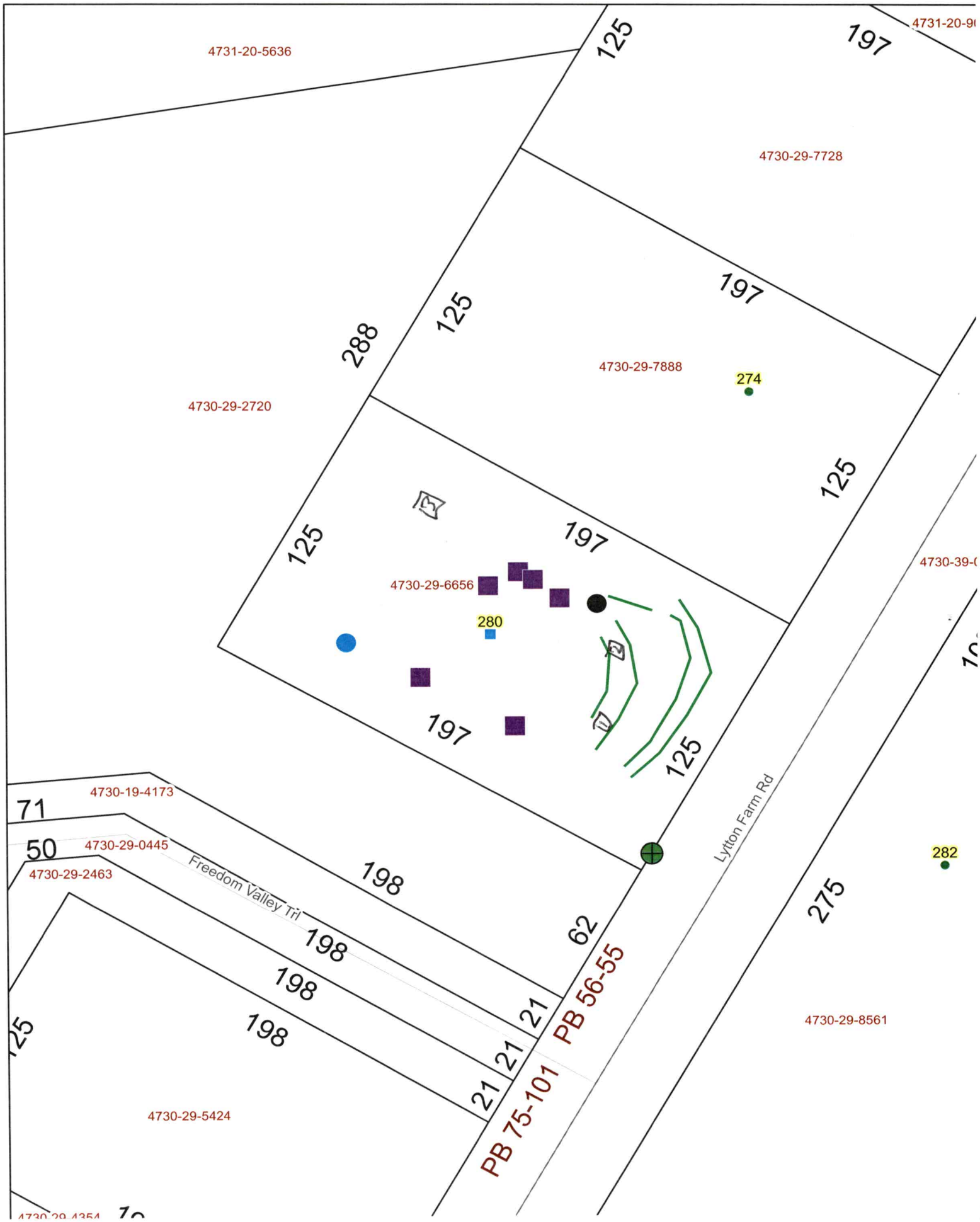
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00018599	Existing System Inspection	$250.00	$250.00
	Troutman Zoning Fee	$50.00	$50.00
	Total for Invoice INV-00018599	$300.00	$300.00
INV-00019032	New Gravity System	$250.00	$250.00

PERMIT SNAPSHOT REPORT (OSWP-2023-31972)

Total for Invoice INV-00019032	$250.00	$250.00
Grand Total for Permit	**$550.00**	**$550.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		07/28/2023 10:50	07/28/2023 11:01
Confirm application complete v.1	Generic Action		07/28/2023 11:01
Zoning Review v.1		07/28/2023 10:50	07/31/2023 8:41
Floodplain Admin Overview v.1	Task	07/31/2023 0:00	07/31/2023 8:41
Troutman Zoning Approval v.1	Task	07/28/2023 10:50	07/31/2023 8:41
Issue Invoice v.1	Generic Action		07/31/2023 8:41
Fees Paid v.1	Generic Action		07/31/2023 8:41
Fees v.1		08/10/2023 15:46	
Issue Invoice v.1	Generic Action		08/10/2023 15:46
Issue Invoice v.1	Generic Action		08/03/2023 14:02
Fees Paid v.1	Generic Action		
Fees Paid v.1	Generic Action		08/03/2023 14:02
Lot Readiness Verification v.1		08/04/2023 12:34	
OSWP Septic Preliminary Site Visit v.1	Inspection	08/04/2023 12:34	08/04/2023 12:34
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		
Environment Health Inspections v.1			
Operation Permit Inspection v.1	Inspection		
OSWP Alarm Checked v.1	Inspection		
OSWP Drain Lines Checked v.1	Inspection		
OSWP Electrical Checked v.1	Inspection		
OSWP Floats Checked v.1	Inspection		
OSWP Maintenance Contract v.1	Inspection		
OSWP Pressure Head Checked v.1	Inspection		
OSWP Pressure Manifold Checked v.1	Inspection		


4731-20-5636
4731-20-9
125
197
4730-29-7728
197
125
288
4730-29-7888
274
4730-29-2720
125
125
197
4730-29-6656
280
197
125
4730-39-
4730-19-4173
71
50
4730-29-0445
4730-29-2463
Freedom Valley Trl
198
198
198
198
62
21
21
21
PB 56-55
PB 75-101
Lytton Farm Rd
275
282
4730-29-8561
4730-29-5424



Tax Map Information

• PIN	4730296656.000
• Address	280 LYTTON FARM RD
• Account #	Acct 80096405
• Tax Owner	NEILSON ROBERT T JR
• Mailing Address	PO BOX 573
•	TROUTMAN, NC 28166
• GIS Owner	NEILSON ROBERT T JR
• Deed Info	2949 / 938 - WD - 20220928
• Tax Acres	0.565 AC
• Lot #	12
• Description	HAWKINS LE
• Zoning	RS
• Old Parcel #	
• Bldg Value	$1,810
• OBXF Value	$0
• Land Value	$45,000
• Total Value	$46,810
• 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 06/05/2023
Data updated 08/03/2023

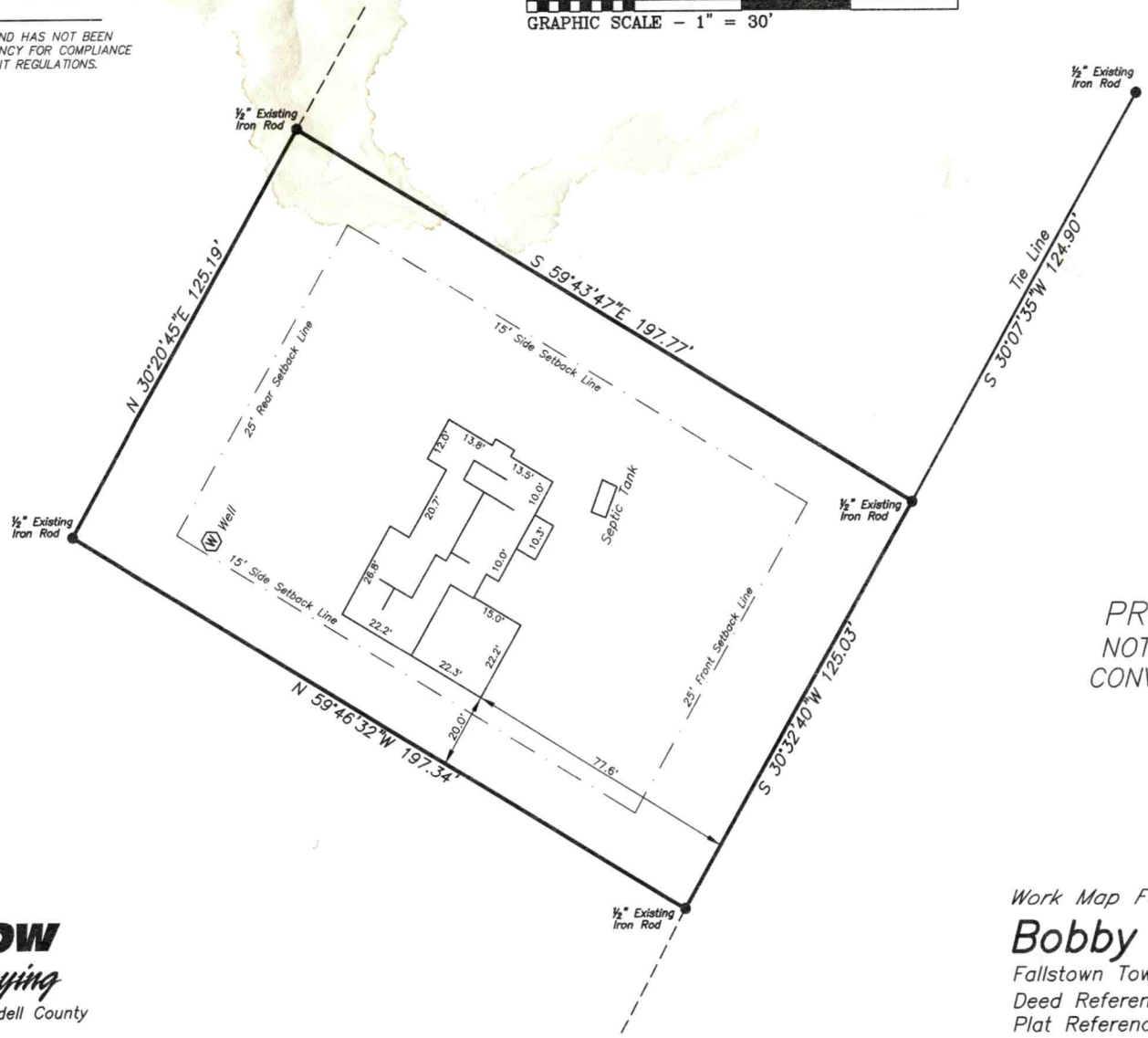
Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

Notice

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.

30 0 30 60 90

GRAPHIC SCALE – 1" = 30'



RELATIVE TO NCGS GRID NAD83

PRELIMINARY PLAT:
NOT FOR RECORDATION,
CONVEYANCES, OR SALES

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

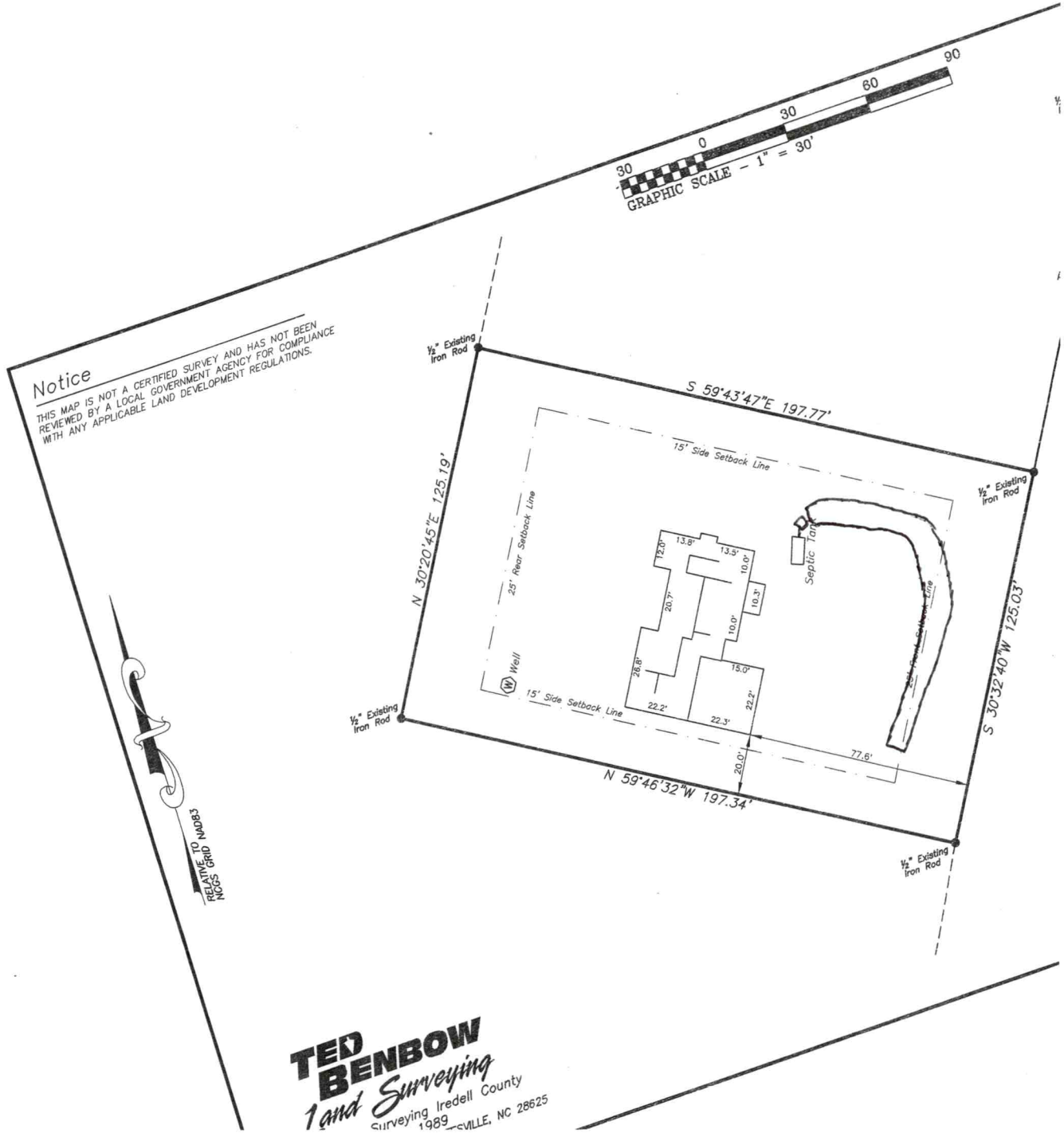
Work Map For:

Bobby Neilson

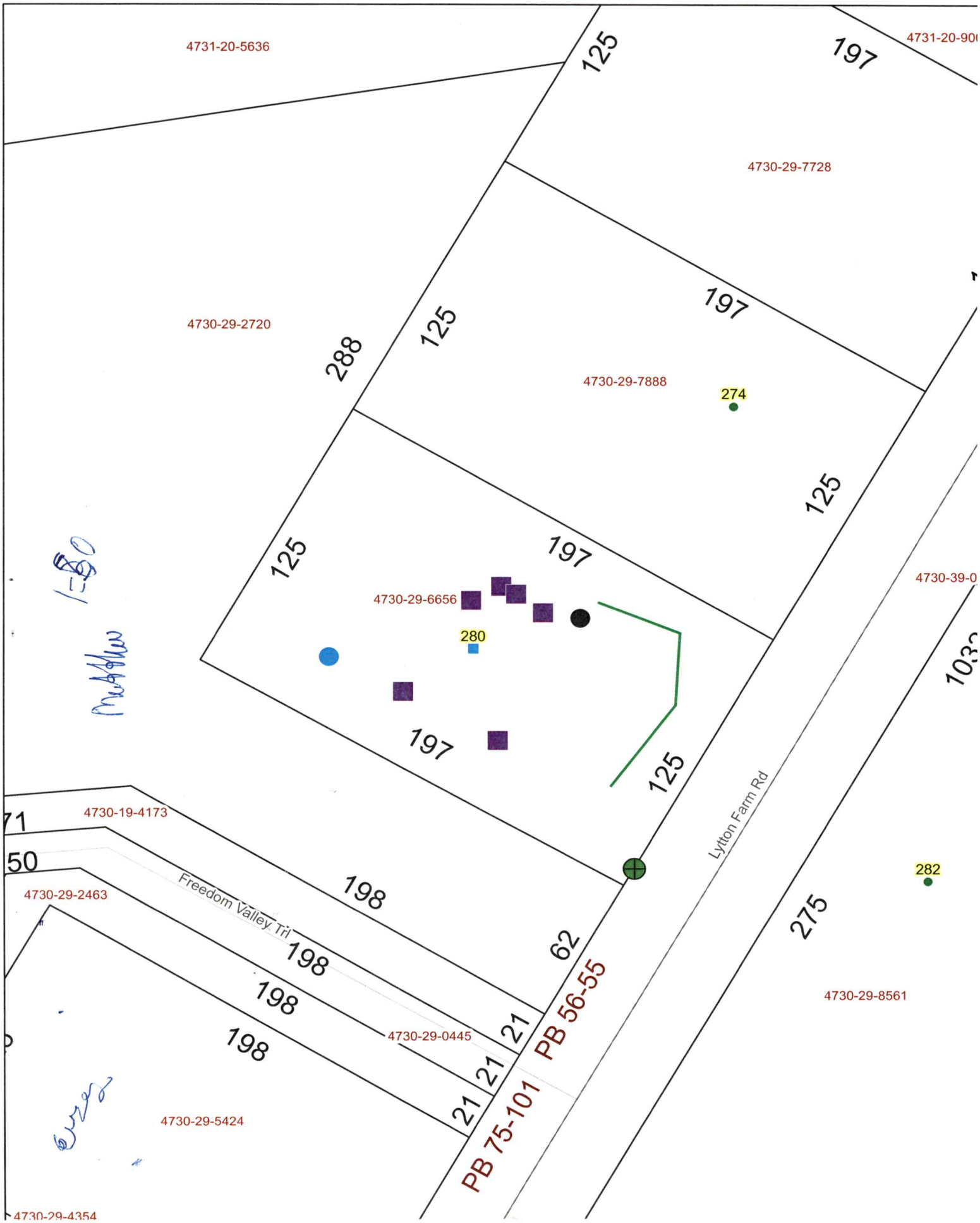
Fallstown Township, Iredell County, NC
Deed Reference: D.B. 2949 Pg. 938
Plat Reference: N/A
Job Number: 2307228
Field Work: 07/17/2023 Drawn By: DP

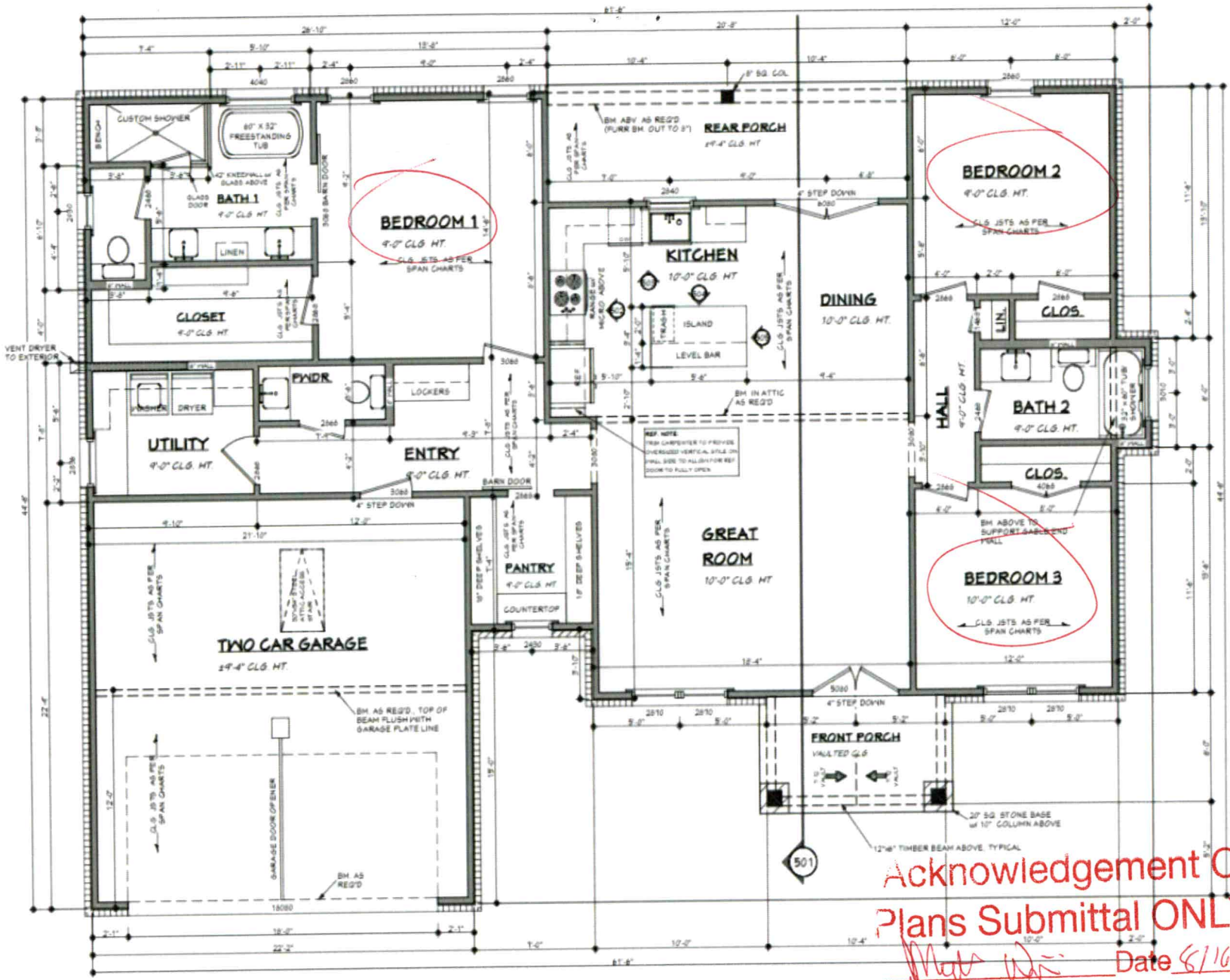
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TED BENBOW
Land Surveying
Surveying Iredell County
1989 STATESVILLE, NC 28625


4731-20-5636
4731-20-90
125
197
4730-29-7728
4730-29-2720
288
125
197
4730-29-7888
274
125
125
197
4730-39-0
4730-29-6656
280
197
125
Lytton Farm Rd
4730-19-4173
71
50
198
4730-29-2463
Freedom Valley Trl
198
198
198
62
21
21
21
4730-29-0445
PB 56-55
PB 75-101
282
275
4730-29-8561
4730-29-5424
4730-29-4354



Acknowledgement Of Plans Submittal ONLY!

Date 6/16/23

Date

FLOOR PLAN

SCALE: 1/4" ========== 1'-0"

WALL FRAMING NOTE:
ALL WALLS TO BE 2X4 @ 16" O.C. UNLESS OTHERWISE NOTED.

MECHANICAL NOTE:
WATER HEATER & HVAC UNIT TO BE LOCATED IN ATTIC SPACE BY CONTRACTOR.

GARAGE SEPARATION REQUIREMENT:
- CONTRACTOR TO PROVIDE 50" TYPE X GYPSUM WALL BOARD ON GARAGE CEILING AND 1/2" GYPSUM WALL BOARD ON INTERIOR SIDE OF GARAGE WALLS AS PER IRC 2015 SECTION AND TABLE R302.6
- OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE SOLID-WOOD DOORS OR HONEYCOMB-CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK, OR 20 MINUTE FIRE RATED DOORS, WITH A SELF CLOSING OR AUTOMATIC CLOSING DOOR AS PER IRC 2015 R302.5.1

DOOR LABEL/ SIZE: 3068 IS A DOOR THAT IS 3 FT 0 INCHES WIDE BY 6 FEET 8 INCHES TALL TO FURTHER CLARIFY. THE 3068 LABEL IS

AREAS (FRAME):

1599	S.F. HEATED TOTAL WITHOUT MASONRY
62	S.F. UNHEATED - FRONT PORCH
124	S.F. UNHEATED - REAR PORCH
482	S.F. UNHEATED - TWO CAR GARAGE