Manf-2025-84904 DW

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 - 2025-83718

PIN # 4862 -- 11 -- 1078

APPLICANT/OWNER: KENLEY L. ELMORE

APPLICANT ADDRESS: 458 COOL SPRINGS ROAD, STATESVILLE, N.C. 28625

SITE ADDRESS: 281 LAKE MULLIS ROAD, HARMONY, N.C. 28634

PHONE: 980-434-4676 ALT. PHONE 704-873-1906

SITE DIRECTIONS: (N) ON 77, (R) ON 901, (R) ON JERICO, (L) ON LAKE MULLIS, LOT ON (R)

SAP CONTROLLED: [x] YES [ ] NO

SUBDIVISION: KENLEY LANE ELMORE PROPERTY SECTION: - LOT # 1 LOT AREA: 3.191AC DESIGN FLOW: 360GPD L.T.A.R.(Initial): 0.275 L.T.A.R (Repair): 0.275

Septic Tank	1000	(gal)	STB	1012	Date	-	[x] New System	[ ] Repair	[ ] Expansion
Pump Tank	-	(gal)	PT	-	Date	-	System Type: I (II) III IV V VI		
Pump Make	-	Model	-		Serial #	-	System Description:	GRAVEL - CONVENTIONAL	
# Nitrification Fields	1	# Lines	3		Linear Ft	441FT	Repair System Description:	50% REDUCTION - VPPBPS	
Trench Width	36IN	*Max. Trench Depth(Initial)	54IN	*Max. Trench Depth(Repair)	30IN	Gravel Depth	12IN	Maintenance Agreement Required:	[ ] YES [x] NO
								[x] GRAVITY	[ ] PRESSURE

* Measured on the downhill side of the trench

Effluent Standard: [x] DSE [ ] HSE [ ] TS-I [ ] TS-II [ ] RCW [ ] NSF/ANSI 40

Usable Depth to LC (Initial): 72 IN

[x] Residence No. Bedrooms 3
[ ] Business No. Persons 6
[ ] Other No. Employees -
[ ] Slab [x] Crawl Space
[ ] Basement w/plumbing [ ] Basement w/o plumbing

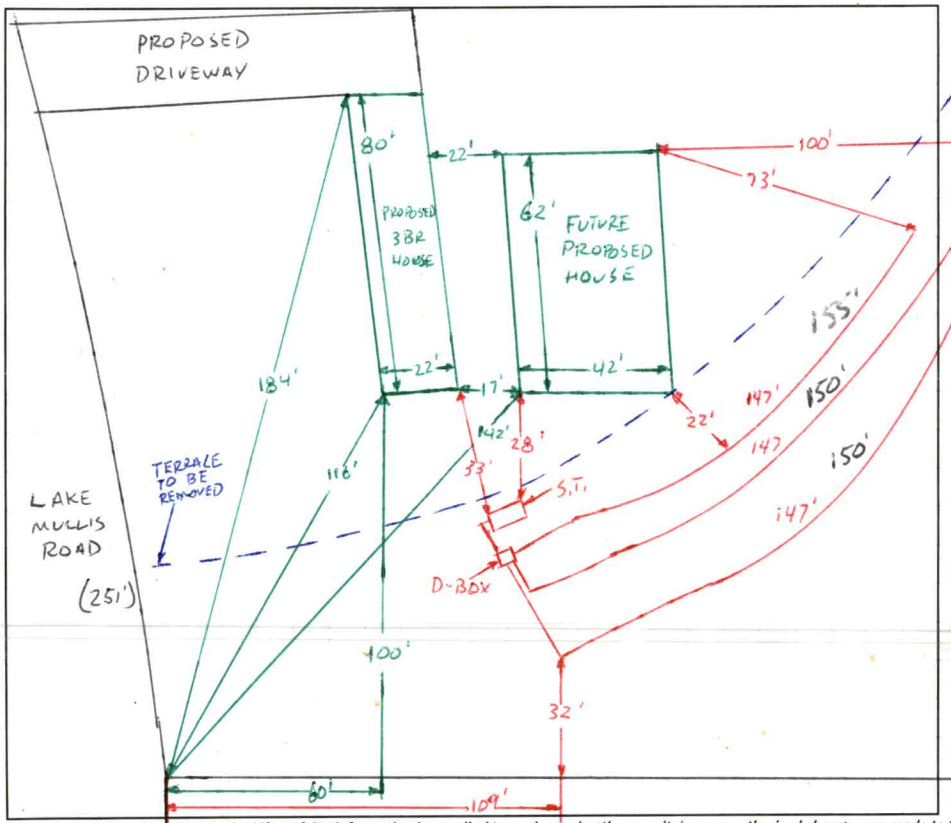
Usable Depth to LC (Repair): 52IN *Limiting Condition*

Water Supply
[ ] Private
[x] Public
[ ] Community

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE D-BOX TO ACHIEVE EQUAL DISTRIBUTION, DO NOT SHALLOW UP, DO NOT EXCEED 60 IN ON HIGHSIDE of TRENCH

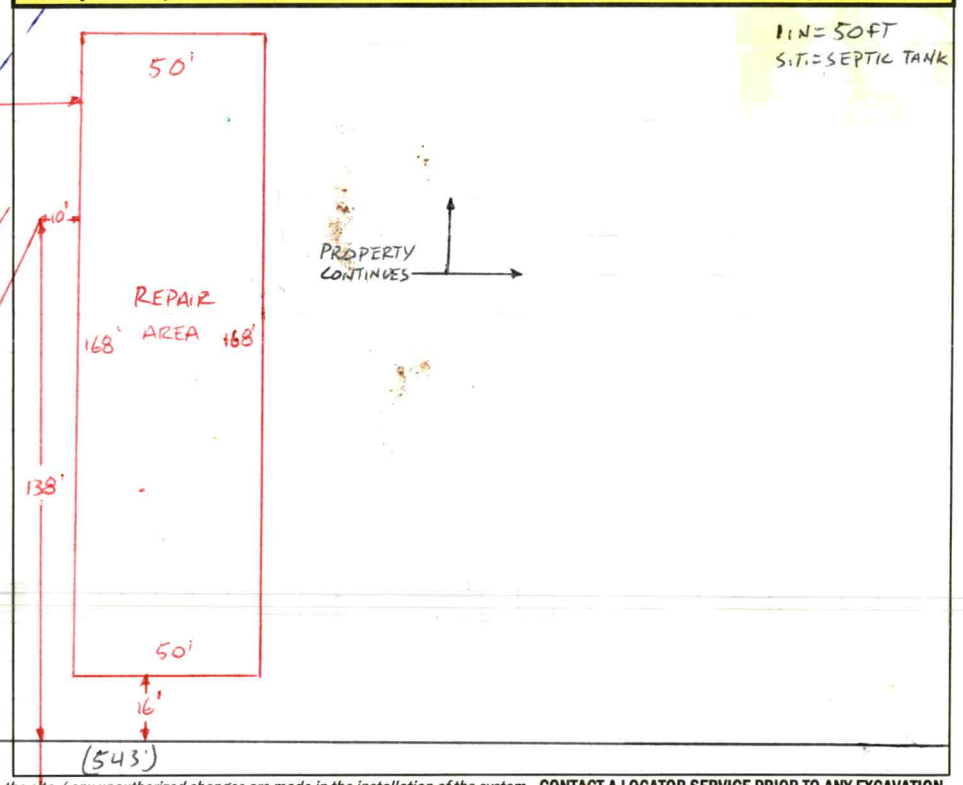
REMOVAL OF PROPOSED 3BR HOUSE WITH EXISTING SYSTEM INSPECTION OR EXPANSION REQUIRED PRIOR TO BUILDING FUTURE HOUSE

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.* [x] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: ONLINE SIGNATURE Date: - Installed by: STEVE JORDAN

IMPROVEMENT PERMIT by: Burpt C. White Date: 10-22-2025 OPERATION PERMIT by: Burpt C. White Date: 11-21-2025

AUTHORIZATION TO CONSTRUCT by: Burpt C. White Date: 10-24-2025 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 #: 4862-11-1078
COUNTY: IREDELL

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

OWNER: KENLEY ELMORE DATE EVALUATED: 10-7-2025
ADDRESS: 458 COOL SPRINGS ROAD, STATESVILLE, N.C. 28625
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360GPD PROPERTY SIZE: 3.191AC
LOCATION OF SITE: 281 LAKE NULLIS ROAD, HARMONY, N.C. 28634 PROPERTY RECORDED: YES
WATER SUPPLY: ✓Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 50FT
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										
2					SEE ATTACHED					
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	GRAVEL	VPPBPS
Site LTAR	0.775	0.275
Maximum Trench Depth	54 IN	30 IN

SITE CLASSIFICATION (.0509): Bryant C. Ulmer
EVALUATED BY: _____
OTHER(S) PRESENT: _____

Comments: _____

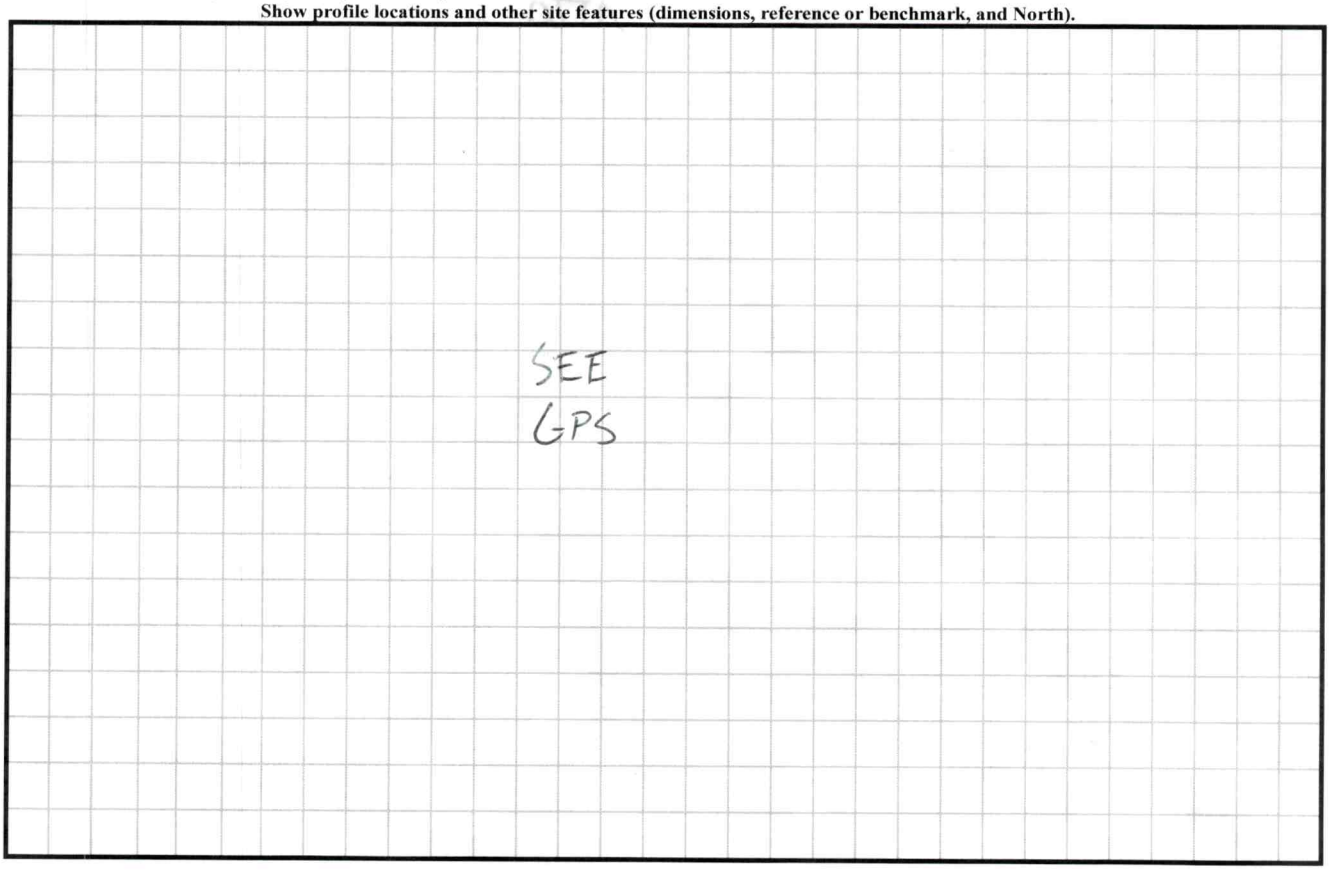
LEGEND

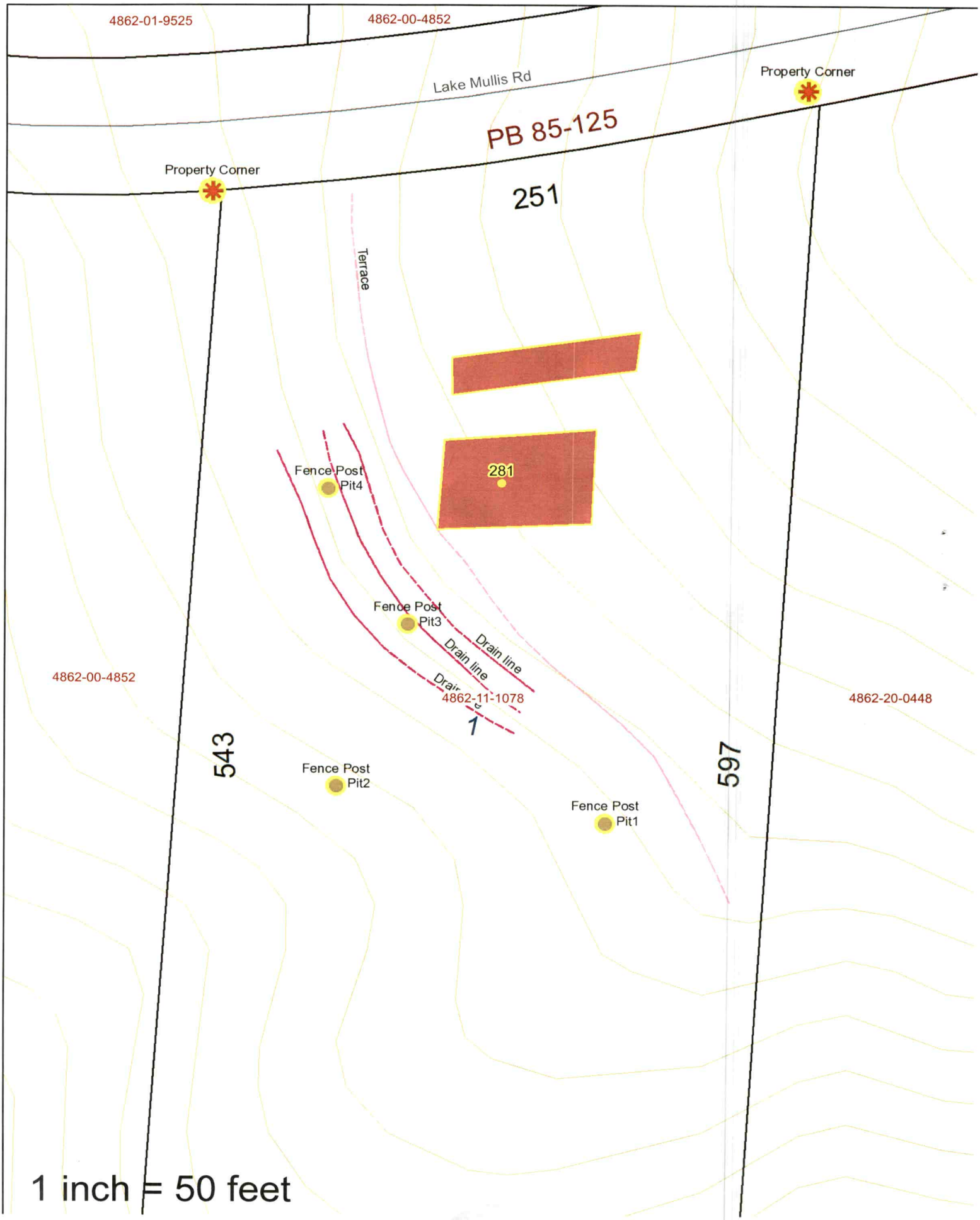
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)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

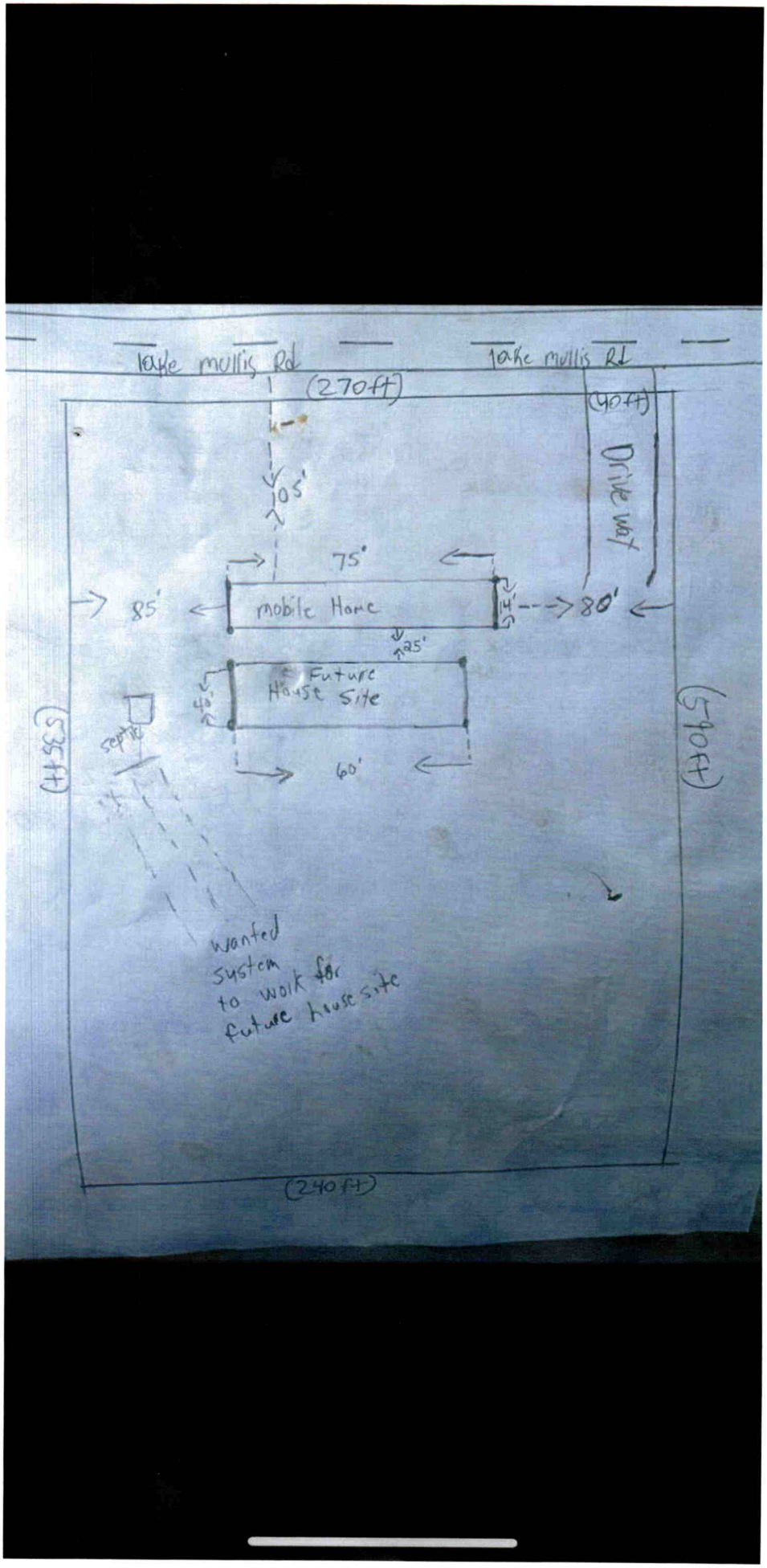
HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land 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).




4862-01-9525
4862-00-4852
Lake Mullis Rd
PB 85-125
Property Corner
Property Corner
251
Terrace
281
Fence Post
Pit4
Fence Post
Pit3
Drain line
Drain line
Drain line
4862-11-1078
1
4862-00-4852
4862-20-0448
543
597
Fence Post
Pit2
Fence Post
Pit1
1 inch = 50 feet

PIT 1	HEAD 12%	0-9 9-33 33-52	PLOW C, ABK CL, WABK	MIXED FR, S, P, SEXP FR, SS, SP, SEXP	RIB MATRIX FEW SAP INC	52"+	NA	NA	PS .3 5"
PIT 2	LINEAR SIDE 15%	0-12 12-34 34-52	PLOW C, ABK CL, WABK	MIXED FI, S, P, SEXP FR, SS, SP, SEXP	RIB MATRIX FEW SAP INC 34" FEW Y/B MOTS 18"-26"	52"+	NA	NA	PS .275 6"
PIT 3	LINEAR SIDE 10%	0-9 9-44 44-68 68-81	PLOW C, ABK CL, WABK SAP, RC	MIXED FI, S, P, SEXP FR, SS, SP, SEXP FR, NS, NP, SEXP	RIB MATRIX Y/B MOT 2.5Y6/6+ 2.5Y6/4 12"-50" 2.5Y6/2 33"-42"	68"	NA	NA	PS .225 ABOVE 33" .3 BELOW 42" 4"
PIT 4	LINEAR SIDE 12%	0-12 12-38 38-70 70-75	PLOW C, ABK CL, WABK SAP, MAS	MIXED FI, S, P, SEXP FI, SS, SP, SEXP FR, NS, NP, SEXP	RIB MATRIX Y/B MOTS 8"-24" 2.5Y6/6+ 2.5Y6/4 2.5Y6/2 @ 20" SAP INC COMMON 34"+	78"	PS II SL	NA	PS .3 INSTALL BELOW 24" 5"


Lake Mullis Rd
Lake Mullis Rd
(270ft)
(90ft)
Drive way
105'
75'
85'
mobile Home
54'
80'
35'
Future
House Site
40'
septic
60'
(535ft)
(590ft)
(240ft)
wanted
system
to work for
future house site

PERMIT SNAPSHOT REPORT (OSWP-2025-83718)

removed before Certificate of Occupancy can be approved.	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Kenley__9/23/2025.jpg	09/22/2025 21:57	Elmore, Kenley		Uploaded via CSS
B1-Authorize to Act as Agent_v1.pdf	09/23/2025 9:43	Elmore, Kenley	Available Online	
A1-Site Plan_v1.pdf	09/24/2025 13:43	Elmore, Kenley	Available Online	
281 LAKE MULLIS RD SITE PLAN 2.pdf	09/26/2025 8:07	COMEAUX, DEBRA	Available Online	SITE PLAN 2

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2025-336486	Final Inspection Report	OSWP Septic/Well Preliminary Site Visit	09/25/2025			09/25/2025 16:07	09/25/2025 16:07

Inspectors: Bryant, Drew (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. this permit is only for the mobile home they will need to pull a permit for the house when it is built and the mobile home removed. Site plan ok per Rebecca	Debbie Williams	09/24/2025 13:30

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00049845	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00049845	$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		09/23/2025 9:43	09/23/2025 9:43
Confirm application complete v.1	Generic Action		09/23/2025 9:43
Fees v.1		09/25/2025 7:41	09/25/2025 7:41
Issue Invoice v.1	Generic Action		09/25/2025 7:41
Fees Paid v.1	Generic Action		09/25/2025 7:41
Zoning Review v.1		09/24/2025 13:42	09/25/2025 7:41
~~Floodplain Admin Overview v.1~~	Task		09/24/2025 13:42
Iredell County Zoning Approval v.1	Task	09/24/2025 13:42	09/24/2025 13:43
Issue Invoice v.1	Generic Action		09/24/2025 13:43
Fees Paid v.1	Generic Action		09/25/2025 7:41
Lot Readiness Verification v.1		09/25/2025 16:07	
OSWP Septic Preliminary Site Visit v.1	Inspection	09/25/2025 16:07	09/25/2025 16:07
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1	Generic Action		
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		

3BR shown — need comment about removing one house — I would either remove "3BR" — notes or make very clear both cannot be connected

call it future structure

PERMIT SNAPSHOT REPORT OSWP-2025-83718 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	09/22/2025
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	09/24/2025
Valuation:	$0.00	**Assigned To:**	White, Bryant	**Approval Expire Date:**	
Description:	this is only for the mobile home				

Parcel: 4862111078.000 Main	**Address:** 281 Lake Mullis Rd Main Harmony, NC 28634	**Zone:** RA(Residential Agricultural District)

Property Owner
kenley elmore
Home: (704) 873-1906
Mobile: (980) 434-4676

Applicant/Authorized Agent
Kenley L Elmore
458 cool springs rd
statesville, NC 28625
Home: (704) 873-1906
Business: (704) 682-1328
Mobile: (980) 434-4676

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	permanent house 40x60 temporary mobile home 14x76
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain	plan to put a mobile home up and then in the future build a house right behind it and remove the mobile home but want to put the permanent house on the same septic when mobile home is removed	Number of Occupants	3	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Municipal Water	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Permit type(s)	Authorization to Construct	Has this project been approved by TRC	No
Lot Acreage	3.91	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Sep 25 2025 12:00AM
Zoning Permit Expiration Date	Mar 24 2026 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	Zoning Notes/Addendums	based on the comments this permit is for the mobile home. the mobile home will need to be removed when the house is built. site plan ok per Rebecca Must meet requirement R10 of the LDC. Must remove the towing apparatus, if it cannot be removed, it shall be screened; Must have a continuous underpinning; Must have 36 square foot front porch constructed within 12 inches of the floor elevation; Must have approved steps at all other secondary entrances and exits; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original home must be		