ICHD - ENVIRONMENTAL HEALTH DIVISION

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

CW

MANF - 2024 - 56190

PERMIT : OSWP 2023 - 12832

PIN # 4881 -- 29 -- 6450

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

APPLICANT/OWNER: Lorena Castaneda | APPLICANT ADDRESS: 574 Kennesaw Rd Harmony NC 28634

SITE ADDRESS: 542 Kennesaw Rd Harmony NC 28634 | PHONE: 7044507026 | ALT. PHONE

SITE DIRECTIONS: Hwy 21 N → Powell Bridge Rd → (L) Kennesaw Rd | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: — | SECTION: — | LOT # — | LOT AREA: 0.89 | DESIGN FLOW: 240 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.3

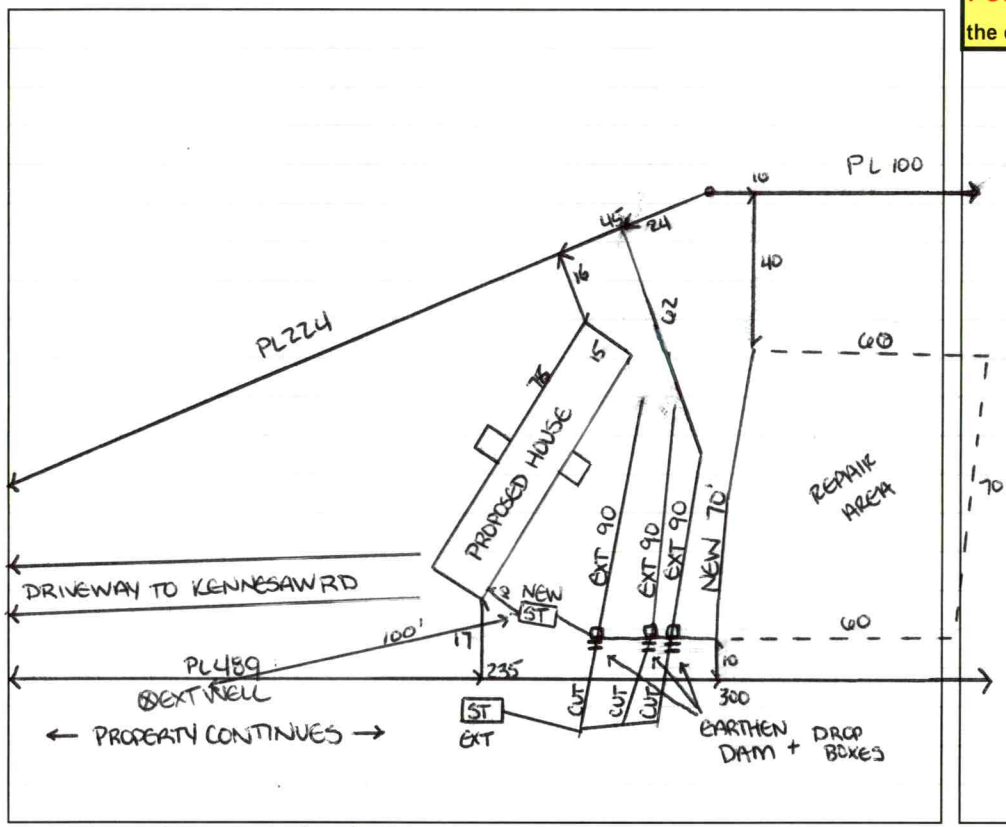
Septic Tank	1000 (gal)	STB	760	Date		☐ New System ☐ Repair ☒ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 2
Pump Tank	(gal)	PT		Date		System Description:	RELOCATION EXT + Gravity 25%	☐ Business	No. Persons 4
Pump Make		Model		Serial #		Repair System Description:	25% Reduction	☐ Other	No. Employees —
# Nitrification Fields	1	# Lines	3EXT + 1 NEW	Linear Ft	EXT + 70'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width	36"	*Max. Trench Depth(Initial)	35"	*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: Cut off existing lines & Earthen dam to meet property line setbacks. Install new line. Use drop boxes. Do not grade, pave, park, etc. over septic system.

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.

Installed as drawn

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 | Date: — | Installed by: Lentz Wastewater

IMPROVEMENT PERMIT by: Sarah Williams ✓ | Date: 6/26/2024 | OPERATION PERMIT by: Matt Wi ✓ | Date: 8/16/24

AUTHORIZATION TO CONSTRUCT by: Sarah Williams ✓ | Date: 6/26/2024 | 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? _____	



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

PROPERTY ID #: 4881-29-6450
COUNTY: IREDELL

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

OWNER: Lorena Castaneda DATE EVALUATED: 5/8/2024
ADDRESS: 574 Kennesaw RD Harmony NC 28634
PROPOSED FACILITY: SFR MH PROPOSED DESIGN FLOW (.0400): 240 PROPERTY SIZE: 0.89AC
LOCATION OF SITE: 542 Kennesaw Rd Harmony NC 28634 PROPERTY RECORDED: Y
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other — WATER SUPPLY SETBACK: 50'
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	LS 2-3%	0-10	TOP CL DIST	SS SP SE FR		(54)		—	S 0.3	1"
		10-30	C ABK	SS SP SE FR						
		30-54	CL ABK	SS SP SE FR						
					heavy SAP in CL 30"+					
2	LS 5-7%	0-9	TOP DIST	—		(54)		—	S 0.3	2"
		9-17	E SCL SBK	SS SP SE FR						
		17-24	CL SBK	SS SP SE FR						
		24-38	C SBK	SS SP SE FR						
		38-54	CL ABK	SS SP SE FR	heavy SAP in CL 38"+					
3	LS 5-7%	0-5	TOP DIST	—		(56)		—	S 0.3	2"
		5-14	E SCL SBK	SS SP SE FR						
		14-40	C ABK	SS SP SE FR						
		40-56	CL ABK	SS SP SE FR						
					heavy SAP in CL 40"+					
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	EXT + 70'	200'
System Type(s)	G 25%	G 25%
Site LTAR	0.3	0.3
Maximum Trench Depth	35"	34"

SITE CLASSIFICATION (.0509): SO.3
EVALUATED BY: S. Williams.
OTHER(S) PRESENT: —

Comments: —

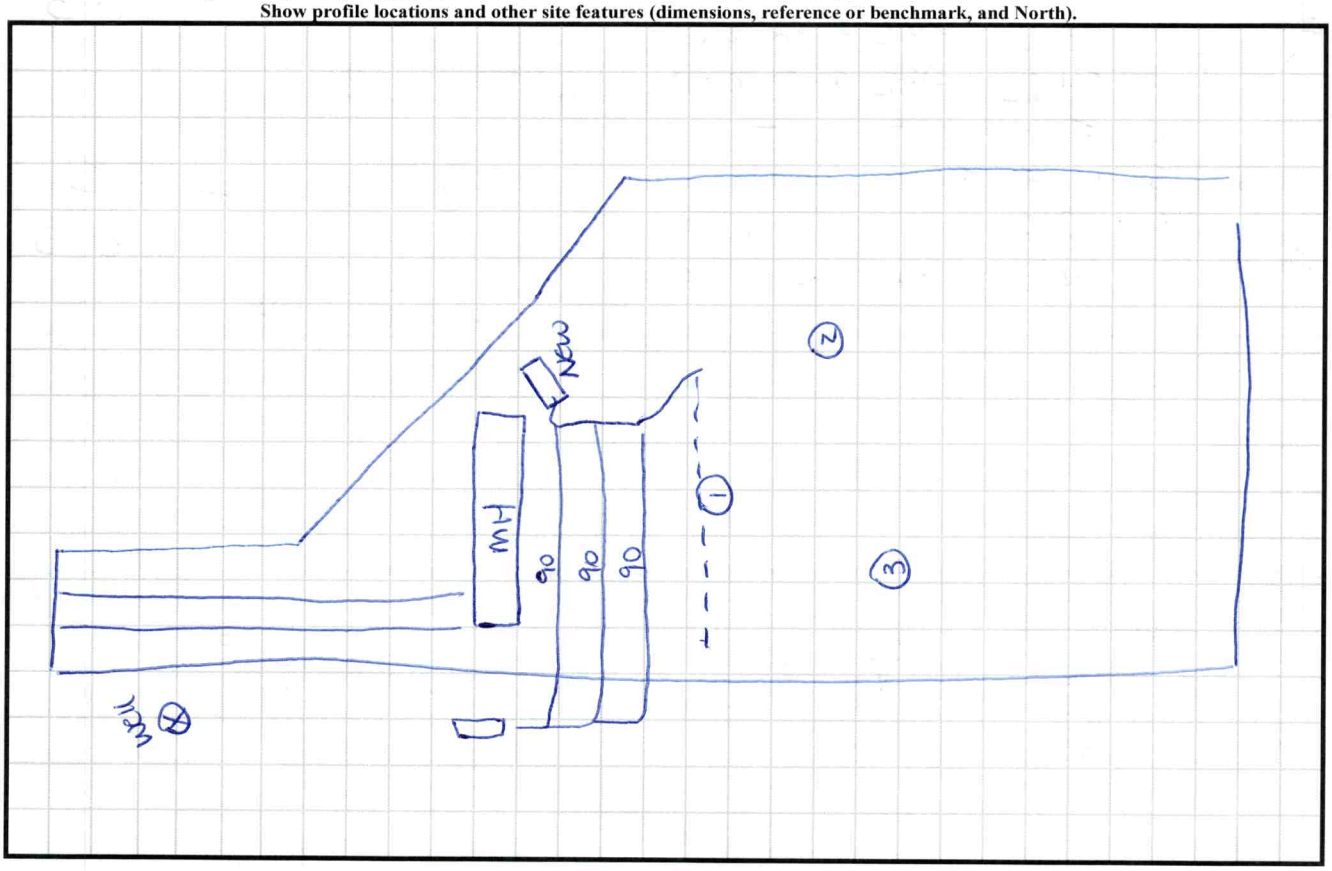
LEGEND

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).



PERMIT SNAPSHOT REPORT OSWP-2023-12832 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	01/04/2023
Work Class:	EH Existing Septic System	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	04/09/2024
Valuation:	$0.00	**Assigned To:**	Bracken, Sarah	**Approval Expire Date:**	

Description: Existing septic tank system inspection. REPLACING MOBILE HOME. BEN INFORMED HIM HE MUST GET AN EASEMENT . SEPTIC TAKE IS ON NEIGHBORS PROPERTY. SPOKE WITH OWNER HE IS WORKING WITH AN ATTORNEY TO GET EASEMENT. D/C

Site not ready, client will call when property is marked 4/10/24 -BM
Site ready 4/19/24- BM

Parcel: 4881296450.000 Main	**Address:** 542 Kennesaw Rd Harmony, NC 28634 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
Lorena Castaneda
Mobile: (704) 402-0215

Applicant/Authorized Agent
Lorena Castaneda
574 Kennesaw Rd
Harmony, NC 28634
Mobile: (704) 450-7026

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	0	What are the proposed structures	Other Addition/Structure
If other Addition/Structure, please explain	0	Maximum Number of Bedrooms	2	Number of Occupants	4
Foundation Type	Crawl Space Foundation	Water Supply	Existing Well	Desired Septic System Type	Conventional (most common)
If existing, Year existing system installed	1999	Lot Acreage	0.89	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Is the structure or development in the floodplain	No	Is the property located downtown?	No	Is the property in a local historic district?	No
Additional Unique Setbacks Apply	No	Zoning Notes/Addendums	REQUIREMENTS FOR AL SINGLEWIDE MOBILE HOMES 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 removed before Certificate of Occupancy can be approved.

PERMIT SNAPSHOT REPORT (OSWP-2023-12832)

Watershed	WSIII BOW HUNTING CREEK

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Lorena_Castaneda_1/4/2023.jpg	01/04/2023 14:23	Castaneda, Lorena		Uploaded via CSS
542 Kennesaw Owner Authorization_v1.pdf	01/05/2023 8:03	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent
542 Kennesaw site plan_v1.pdf	01/05/2023 8:03	COMEAUX, DEBRA	Available Online	Site Plan
542 Kennesaw septic layout_v1.pdf	01/05/2023 8:04	COMEAUX, DEBRA	Available Online	Additional Supporting Information

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-207665	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	04/19/2024	04/19/2024 0:00	04/19/2024 0:00	04/19/2024 14:45	04/19/2024 14:45

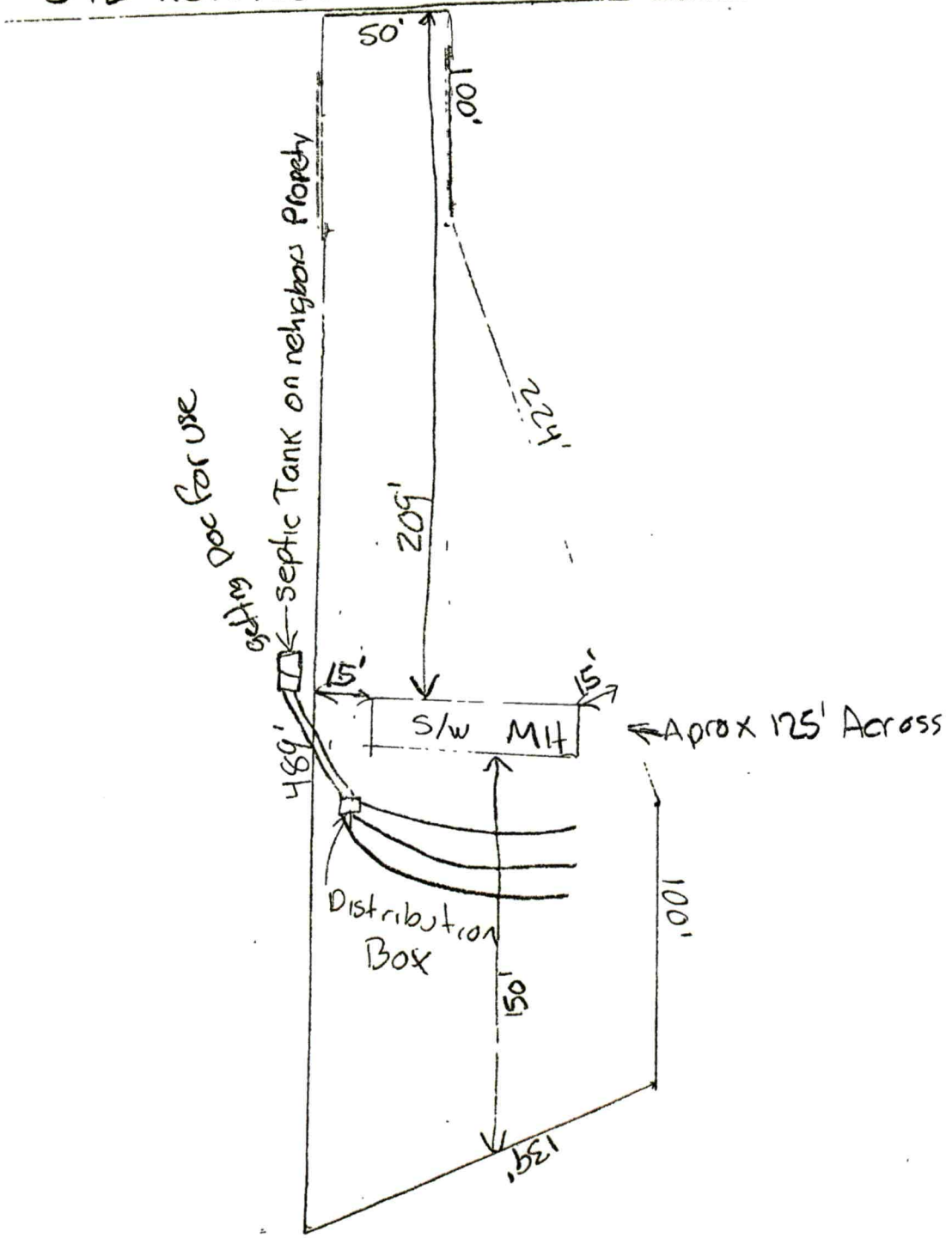
Inspectors: Moore, Bradley (Primary)

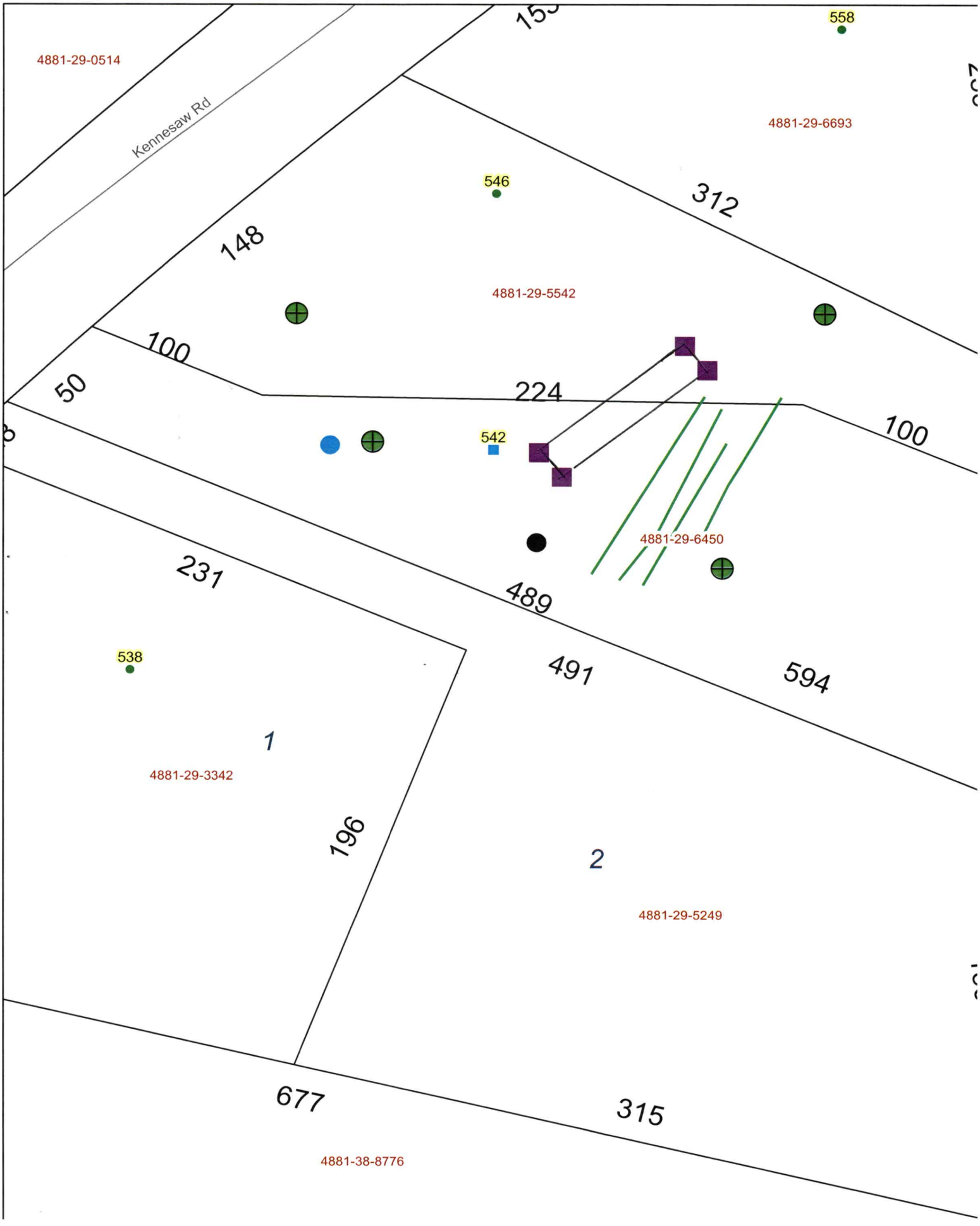
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00029384	Existing System Inspection	$250.00	$250.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00029384	$327.25	$327.25
	Grand Total for Permit	**$327.25**	**$327.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		01/05/2023 8:04	01/05/2023 8:04
Confirm application complete v.1	Generic Action		01/05/2023 8:04
Zoning Review v.1		04/09/2024 9:34	04/09/2024 16:10
Fees Paid v.1	Generic Action		04/09/2024 10:05
Iredell County Zoning Approval v.1	Task	04/09/2024 9:34	04/09/2024 16:10
Issue Invoice v.1	Generic Action		04/09/2024 9:38
Fees v.1		04/09/2024 15:15	04/09/2024 15:15
Issue Invoice v.1	Generic Action		04/09/2024 15:15
Fees Paid v.1	Generic Action		04/09/2024 15:15
Lot Readiness Verification v.1		04/19/2024 14:45	
Existing System Inspection v.1	Inspection		
OSWP Septic Preliminary Site Visit v.1	Inspection	04/19/2024 14:45	04/19/2024 14:45
EH Inspections v.1			
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		
Permit Completion Process v.1			
Issue Permit/Complete v.1	Generic Action		

542 Kennesaw Rd Harmony Nc 28634




4881-29-0514
Kennesaw Rd
558
4881-29-6693
546
312
148
4881-29-5542
100
50
224
100
542
4881-29-6450
231
489
538
491
594
1
4881-29-3342
196
2
4881-29-5249
677
315
4881-38-8776

Sarah Bracken

From: Leslie Meadows
Sent: Friday, June 21, 2024 3:26 PM
To: Sarah Bracken
Subject: 542 Kennesaw Road, Harmony

Sarah,

I was asked to verify for you the single-wide setup regulations per zoning on 542 Kennesaw Road. See Letter D below from Section R10 of the Iredell County LDC. According to the sketch I was presented the mobile home sits over 200 feet from the road R-O-W, and therefore are exempt from having to be parallel to the front property line. That said, I have not seen the property in person, and understand the MFH has already been located on the property without permits.

R10 Single Sectional (Class B) Mobile Home on Individual Lot

A. The mobile home shall have the towing apparatus, wheels, axles, and transporting lights removed. If the apparatus cannot be removed it shall be screened from public view.

B. The mobile home shall be set up in accordance with the standards established by the North Carolina Building Code for single-family residential construction. In Iredell County Land Development Code 3-15 addition, a continuous under pinning of a material generally accepted in the mobile home industry shall be installed under the perimeter, unpierced except for required ventilation and access.

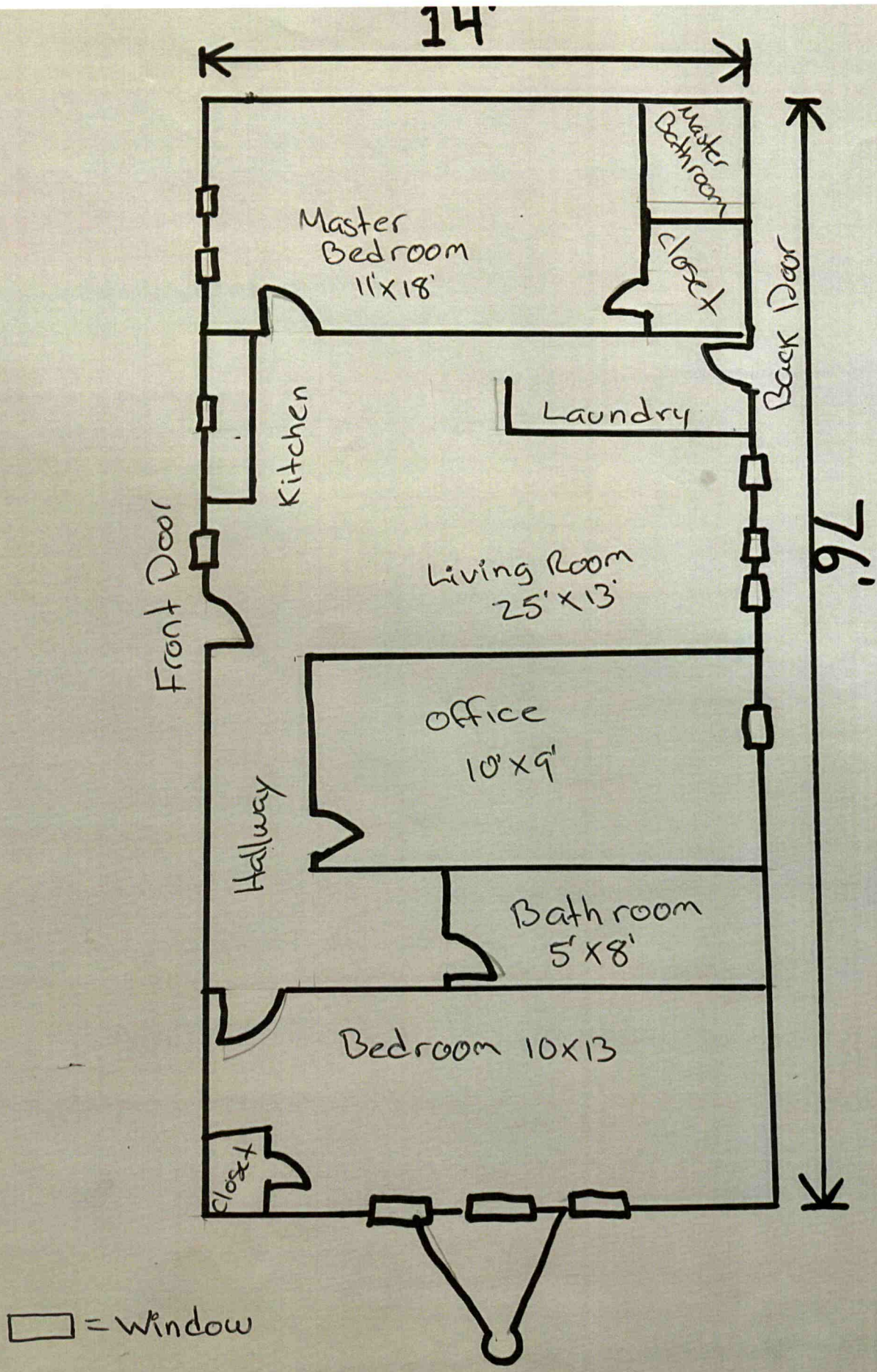
C. A permanent front porch of at least thirty-six (36) square feet in area shall be constructed within twelve (12) inches of the floor elevation. This does not pertain to manufactured homes where the home has a built-in or recessed porch that is inset into the home. All secondary entrances and exits to the mobile home shall also have approved steps.

D. The single-sectional manufactured (mobile) home shall be oriented so that the longest measurement shall be no more than twenty (20) degrees from parallel to the front property line, except on corner lots. This does NOT pertain to manufactured homes that are at 200 feet or over from the right of way or lots with a previously approved septic system where parallel orientation would be impossible due to lot width and septic location. Mobile homes may be placed perpendicular to the road given the placement remains in keeping with the previously developed neighborhood. On lots that do NOT have frontage on a right-of-way, the line next to the easement leading to the property will be considered the front and the manufactured home shall be oriented toward the easement.

Happy to dicuss in more detail. Please contact me directly as needed.

Leslie M. Meadows, CZO
Iredell County Planner
Physical Address: 349 N. Center Street
Mailing Address: PO Box 788
Statesville, NC 28687
Phone: 704-878-3118 Ext. 5361
Leslie.meadows@iredellcountync.gov


IREDELL
COUNTY NC


14'
76'
Master Bedroom 11'x18'
Master Bathroom
closet
Back Door
Laundry
Kitchen
Front Door
Living Room 25'x13'
office 10'x9'
Hallway
Bathroom 5'x8'
Bedroom 10x13
closet
= Window