Manf- 2025- 81966

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BB

PERMIT : OSWP 2025-70800

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

PIN # 4863 -- 60 -- 2942

APPLICANT/OWNER: Paul Penninger | APPLICANT ADDRESS: 595 JM Penninger Rd Lexington NC 27292

SITE ADDRESS: 539 Eagle Mills Rd Hamptonville NC 27020 | PHONE: 7049966330 | ALT. PHONE 540 230 3720

SITE DIRECTIONS: 77N → Hwy 901 → Eagle Mills Rd | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Village at the Mills | SECTION: — | LOT # 11 | LOT AREA: 0.656 | DESIGN FLOW: 480 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.3

Septic Tank 1000 (gal) | STB 760 | Date 10-1-25

Pump Tank ____ (gal) | PT ____ | Date ____

Pump Make ____ | Model ____ | Serial # ____

Nitrification Fields 1 | # Lines 5 | Linear Ft 400'

Trench Width 36" | *Max. Trench Depth(Initial) 33" | *Max. Trench Depth(Repair) 33" | Gravel Depth —

* Measured on the downhill side of the trench

Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☒ New System ☐ Repair ☐ Expansion | System Type: I (II) III IV V VI

System Description: Gravity 25% Reduction

Repair System Description: 25% Reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): 48"

Usable Depth to LC (Repair): 48"

☒ Residence | No. Bedrooms 4

☐ Business | No. Persons 8

☐ Other | No. Employees —

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

☐ Private

☒ Public

☐ Community

Limiting Condition

Comments / Conditions: Install on contour 9' on center. Utilize serial distribution. Do not grade, pave, park, drive in septic area.

INITIAL SITE SKETCH

See attached site plan by ICHD & Paul Penninger.

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.*

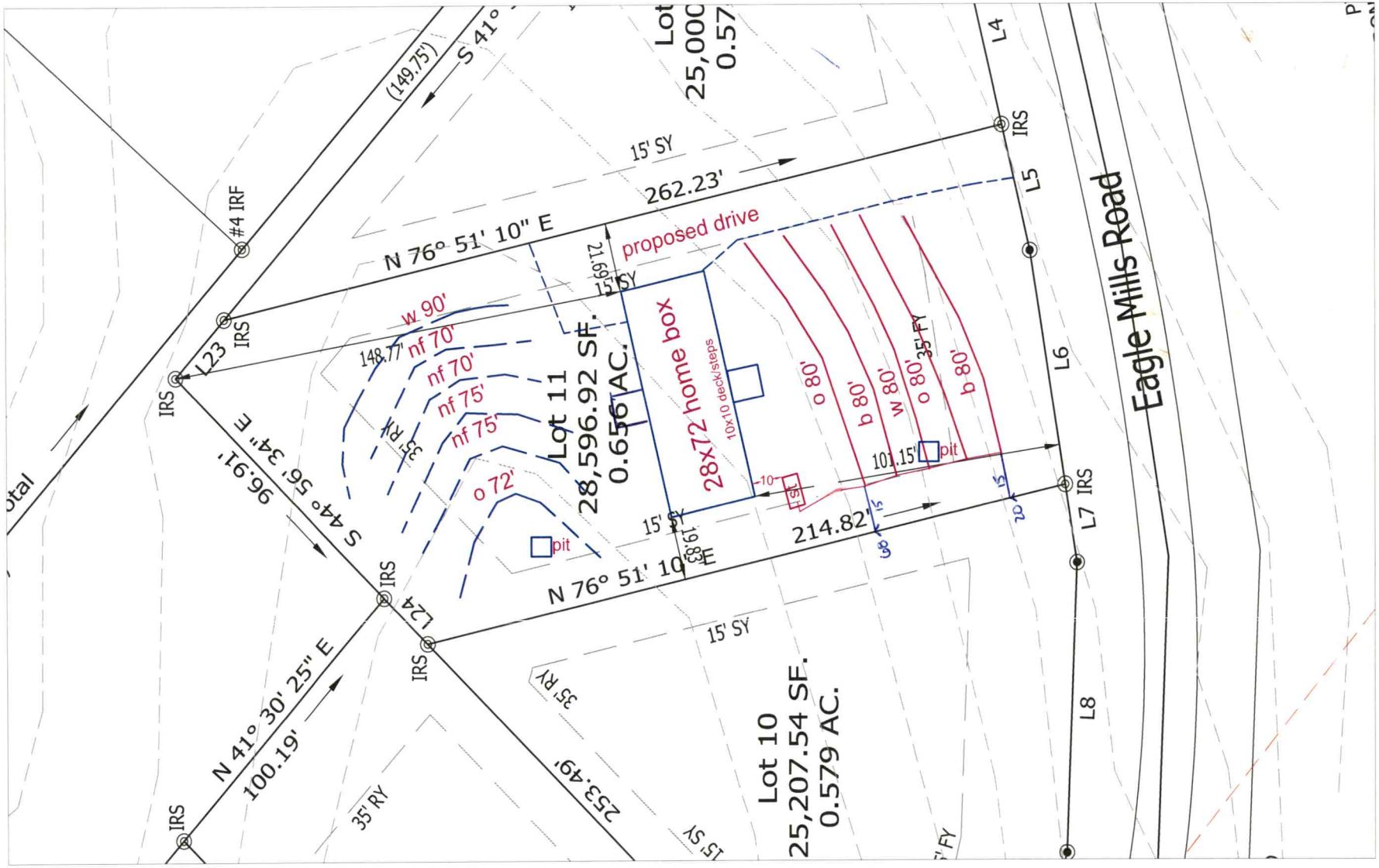
Owner / Applicant Signature: ONLINE | Date: — | Installed by: MOUNTAIN PARK CONSTRUCTION

IMPROVEMENT PERMIT by: Sarah Williams | Date: 3/7/2025 | OPERATION PERMIT by: Bryant C. White | Date: 11-4-2025

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 3/7/2025 | 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? _____	



Oakwood Homes - Village at the Mills Lot 11 Septic Site Plan - Eagle Mills Road 2-24-25

GRAPHIC SCALE

1" = 50'

Base site plan and home location from Jordan Grant. Site contours from Iredell County GIS website. Septic lines flagged on lot and approx. sketched on site plan by Penninger Soil Consulting. Refer to flags in field. Oakwood Homes to verify home location on lot and required setbacks prior to site grading and home setup. Do not grade system area. Oakwood Homes and installer to verify proposed septic line locations and required setbacks prior to system installation. Proposed septic system must be approved and permitted by ICHD. Refer to ICHD permit for system type and specifications.

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

PROPERTY ID #: 4863602942
COUNTY: IREDELL

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Paul Penninger DATE EVALUATED: 3/6/2025
ADDRESS: 595 JM Penninger Rd Lexington NC 27292
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): PROPERTY SIZE: 0.656 AC
LOCATION OF SITE: 539 Eagle Mills Rd Hamptonville NC 27020 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	LS 5-7%	0-21	C SBK	SS SP SE FR	Litho incl throughout	(57)		-	S 0.3	3
		21-57	CL SBK	↓						
2	LS 5-7%	0-26	C ABK	SS SP SE FR	few Quartz Litho incl throughout	(53)		-	S 0.3	3
		26-53	CL SBK	↓						
3	LS 5-7%	0-33	C SBK	SS SP SE FR	few Quartz heavy SAP incl in CL	(60)		-	S 0.3	3
		33-60	CL SBK	↓						
4	LS 5-7%	0-12	SCL SBK	SS SP SE FR	mica & SAP common throughout heavy SAP 43"+	(56)		-	S 0.3	3
		12-36	C SBK	↓						
		36-56	CL SBK	↓						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	400'	400'
System Type(s)	G 25%	25%
Site LTAR	0.3	0.3
Maximum Trench Depth	33"	33"

SITE CLASSIFICATION (.0509): S 0.3
EVALUATED BY: S. Williams
OTHER(S) PRESENT: P. Penninger

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

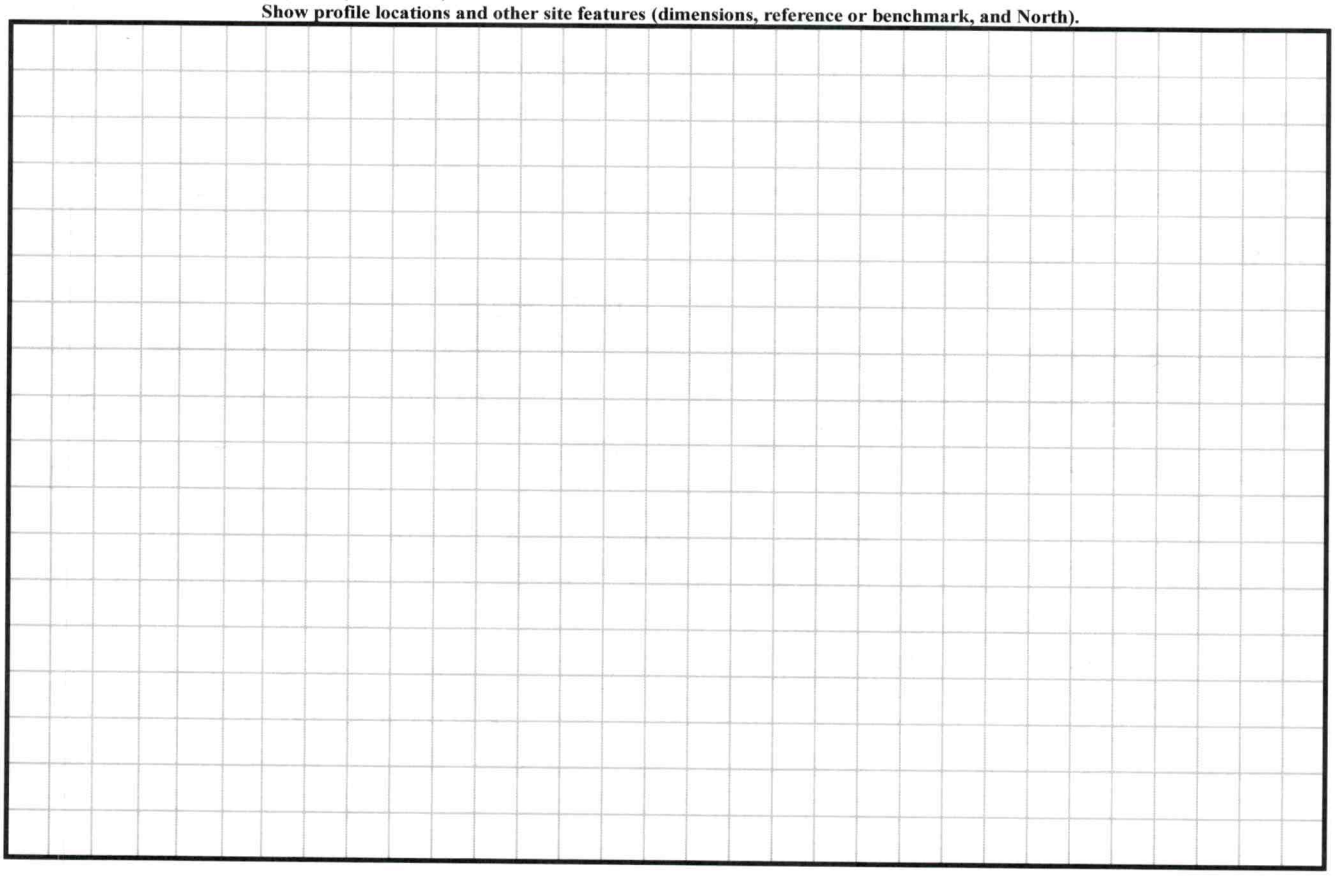
RESTRICTIVE HORIZON Thickness and depth from land surface

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).



LOT 11

PERMIT SNAPSHOT REPORT OSWP-2025-70800 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/25/2025
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:**	Williams, Sarah	**Approval Expire Date:**	

Description: New IP/CA on vacant lot. Call Paul Penninger for site visit and any app questions. 704-996-6330

Parcel: 4863602942.000 Main	**Address:** 539 Eagle Mills Rd Hamptonville, NC 27020 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
Ted Farmer
Home: (540) 230-3720

Applicant/Authorized Agent
Paul Penninger
595 JM Penninger Rd
Lexington, NC 27292
Mobile: (704) 996-6330

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	Yes	All proposed structure dimensions	28x72
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	8	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Number of Employees	0	Water Supply	Municipal Water
Desired Septic System Type	No Preference	If other septic system type, please explain		Pump Make	
# of Nitrification Fields		Model		Serial #	
System Description		Repair System Description		Comments/Conditions	
Permit type(s)	Authorization to Construct, Improvement Permit with Site Plan	Has this project been approved by TRC	No	Lot Acreage	0.656
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Feb 27 2025 12:00AM	Zoning Permit Expiration Date	Aug 26 2025 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	REQUIREMENTS FOR AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6		inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than		20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.

PERMIT SNAPSHOT REPORT (OSWP-2025-70800)

Additional Unique Setbacks Apply	No	Watershed	WSIII BOW HUNTING CREEK

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Paul_Penninger_2/25/2025.jpg	02/25/2025 15:29	Penninger, Paul		Uploaded via CSS
lot 11 floor plan_v1.pdf	02/26/2025 8:06	Penninger, Paul	Available Online	
Oakwood Homes Signed Owner Auth Form_v1.pdf	02/26/2025 8:06	Penninger, Paul	Available Online	
Lot 11 Village at the Mills Septic Site Plan for ICHD_v1.pdf	02/26/2025 8:36	Penninger, Paul	Available Online	

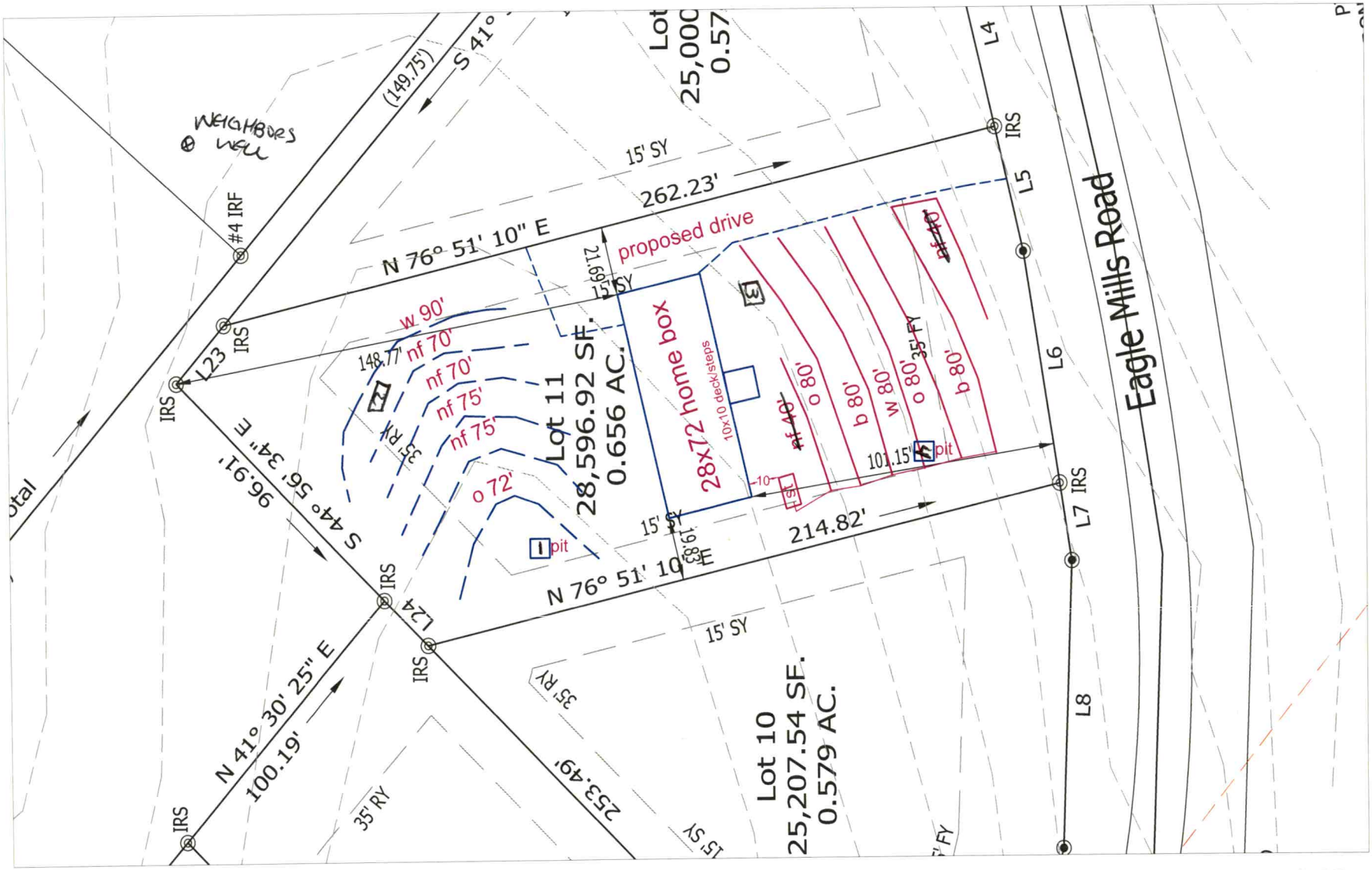
Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2025-286383	Requested	OSWP Septic/Well Preliminary Site Visit	02/27/2025	02/28/2025 0:00	02/28/2025 0:00		

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-00041597	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-00041597	$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		02/26/2025 8:07	02/26/2025 8:08
Confirm application complete v.1	Generic Action		02/26/2025 8:08
Zoning Review v.1		02/26/2025 8:30	02/27/2025 8:18
~~Floodplain Admin Overview v.1~~	Task		02/26/2025 8:33
Iredell County Zoning Approval v.1	Task	02/26/2025 8:30	02/26/2025 8:38
Issue Invoice v.1	Generic Action		02/26/2025 8:35
Fees Paid v.1	Generic Action		02/27/2025 8:18
Fees v.1		02/27/2025 8:18	02/27/2025 8:18
Issue Invoice v.1	Generic Action		02/27/2025 8:18
Fees Paid v.1	Generic Action		02/27/2025 8:18
Lot Readiness Verification v.1		02/27/2025 13:23	
OSWP Septic Preliminary Site Visit v.1	Inspection	02/27/2025 13:23	02/27/2025 13:23
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		



Oakwood Homes - Village at the Mills Lot 11 Septic Site Plan - Eagle Mills Road 2-24-25

Base site plan and home location from Jordan Grant. Site contours from Iredell County GIS website. Septic lines flagged on lot and approx. sketched on site plan by Penninger Soil Consulting. Refer to flags in field. Oakwood Homes to verify home location on lot and required setbacks prior to site grading and home setup. Do not grade system area. Oakwood Homes and installer to verify proposed septic line locations and required setbacks prior to system installation. Proposed septic system must be approved and permitted by ICHD. Refer to ICHD permit for system type and specifications.

GRAPHIC SCALE

0 15 30 60

1 inch = 30 feet

SCALE 1" = 50'

OAKWOOD HOMES

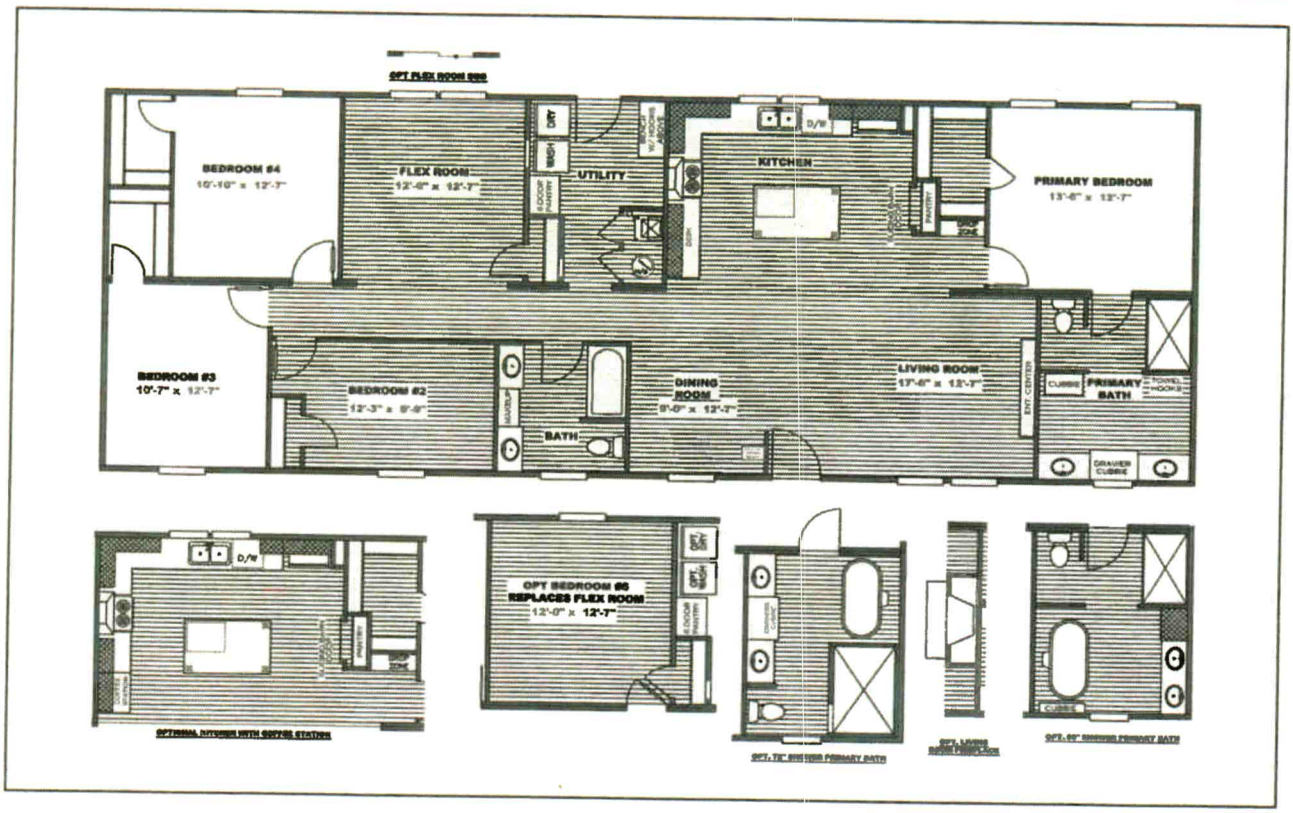
FARMHOUSE BREEZE 72

34MVP28724AH
4 beds • 2 baths
1,896 sq. ft.









(276) 637-6979
Monday - Friday: 9am to 5pm
Saturday: 9am to 5pm Sunday: Closed

OAKWOOD HOMES-WYTHEVILLE
2276 E LEE HWY
WYTHEVILLE, VA 24382

Our home building faciliites invest in continuous product and process improvements. Plans, dimensions, features, materials, specifications, and availability are subject to change without notice or obligation. Renderings and floor plans are representative likenesses of our homes and many differ from actual homes. We invite you to tour a Home Center near you and inspect the highest value in quality housing available or call (276) 637-6979 to speak with a Home Consultant. ©2025, CMH. All rights reserved.