ICHD - ENVIRONMENTAL HEALTH DIVISION

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

SH

MANF-2025-76803

PERMIT : OSWP 2025 083603

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

PIN # 4863-60-0595

APPLICANT/OWNER: Oakwood Homes | APPLICANT ADDRESS: 2776 E. Lee Hwy Wytheville VA 24382

SITE ADDRESS: 509 Eagle Mills Rd Hamptonville NC 27020 | PHONE: 7049960330 | ALT. PHONE

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

SUBDIVISION: Village at the Mills | SECTION: 2 | LOT # 7 | LOT AREA: 0.787 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.25 | L.T.A.R (Repair): 0.25

Septic Tank 1000 (gal) STB 7600 Date 2/23/25 | ☒ New System ☐ Repair ☐ Expansion System Type: I (II) III IV V VI | ☒ Residence No. Bedrooms 3 | Water Supply

Pump Tank (gal) PT Date | System Description: GRAVITY 25% REDUCTION | ☐ Business No. Persons 6 | ☐ Private

Pump Make Model Serial # | Repair System Description: GRAVITY 25% REDUCTION | ☐ Other No. Employees — | ☒ Public

Nitrification Fields 1 # Lines 5 Linear Ft 360 | Maintenance Agreement Required: ☐ YES ☒ NO | ☐ Slab ☒ Crawl Space | ☐ Community

Trench Width 36 *Max. Trench Depth(Initial) 32 *Max. Trench Depth(Repair) 32 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*

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

INITIAL SITE SKETCH

See attached site plan by ICHD r 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.

See attached as built sketch.

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.*

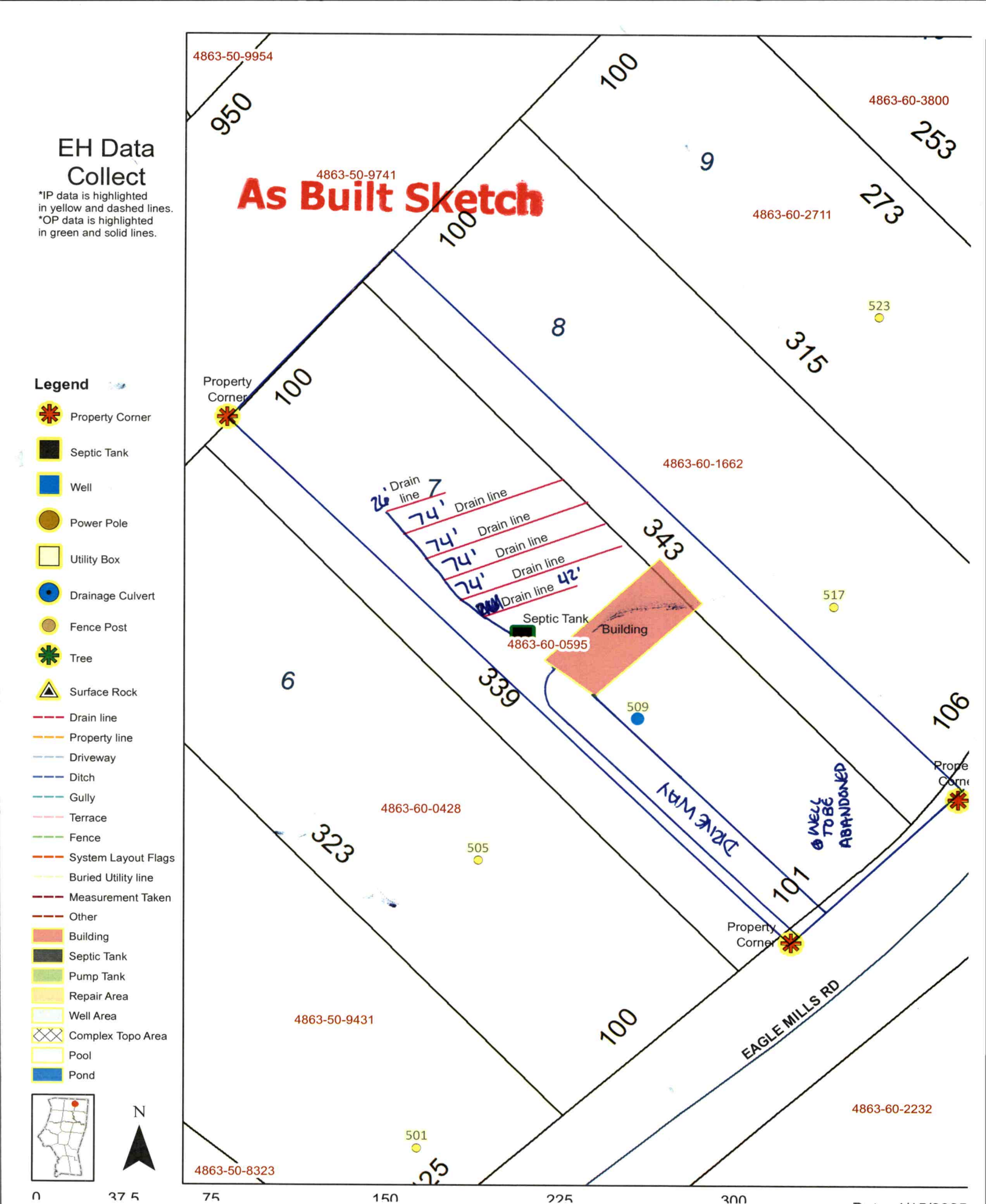
Owner / Applicant Signature: ONLINE | Date: — | Installed by: PHILLIP SHORES #9576

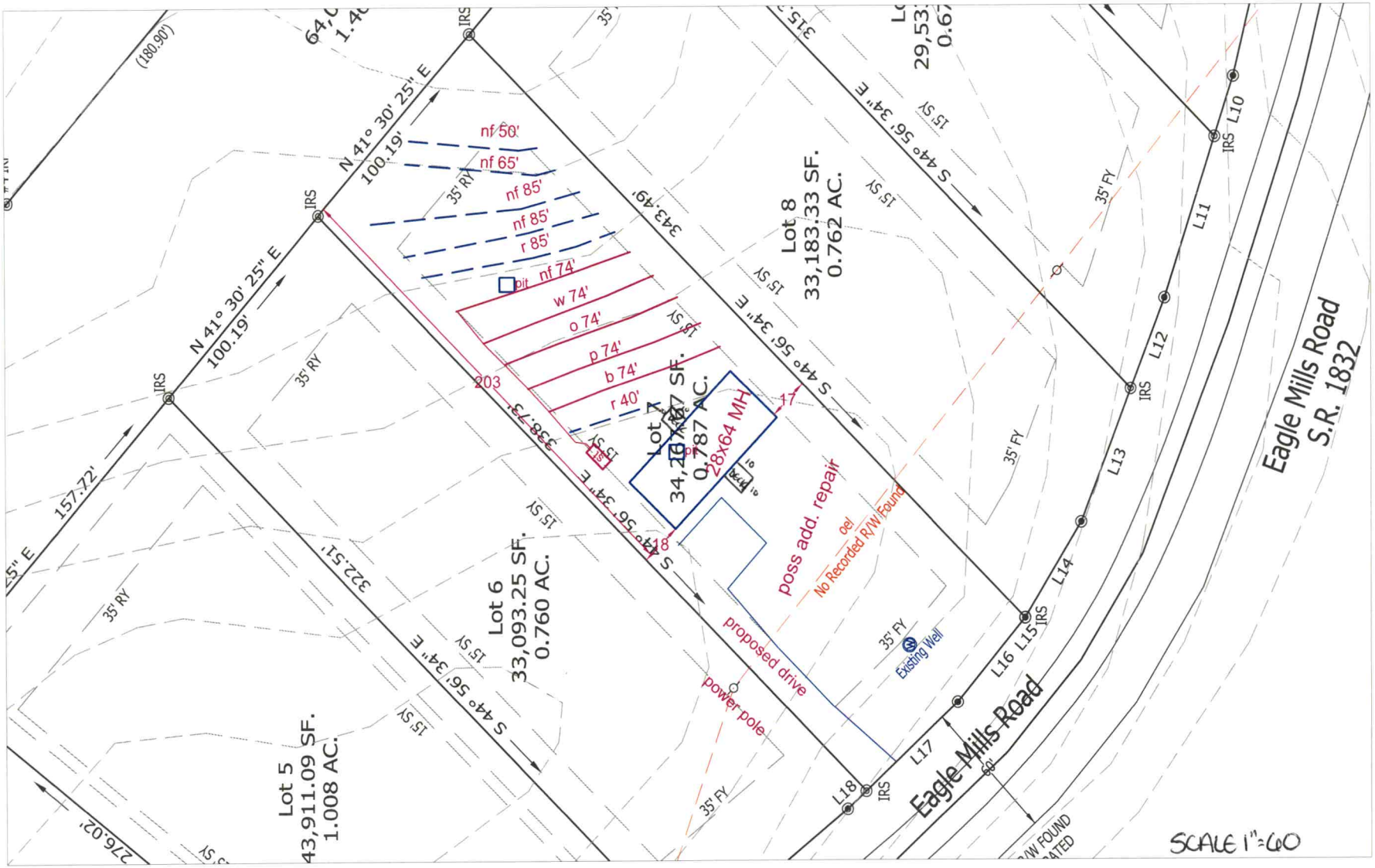
IMPROVEMENT PERMIT by: Sarah Williams | Date: 1/30/25 | OPERATION PERMIT by: Sarah Williams | Date: 4/15/2025

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 1/30/25 | 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? _____	


EH Data Collect
*IP data is highlighted in yellow and dashed lines.
*OP data is highlighted in green and solid lines.
As Built Sketch
4863-50-9954
4863-50-9741
4863-60-3800
4863-60-2711
4863-60-1662
4863-60-0595
4863-60-0428
4863-50-9431
4863-60-2232
4863-50-8323
Property Corner
Septic Tank
Building
Drain line
Drive Way
WELL TO BE ABANDONED
EAGLE MILLS RD
Legend
Property Corner
Septic Tank
Well
Power Pole
Utility Box
Drainage Culvert
Fence Post
Tree
Surface Rock
Drain line
Property line
Driveway
Ditch
Gully
Terrace
Fence
System Layout Flags
Buried Utility line
Measurement Taken
Other
Building
Septic Tank
Pump Tank
Repair Area
Well Area
Complex Topo Area
Pool
Pond
N
0
37.5
75
150
225
300



Oakwood Homes - Village at the Mills Lot 7 Septic Site Plan - Eagle Mills Road 1-13-15

Base site plan 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 20 40 80

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

LOT 7

PROPERTY ID #: 4863 60 0595
COUNTY: FREDELL

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

(Complete all fields in full)

OWNER: Paul Penninger DATE EVALUATED: 1/28/25
ADDRESS: 595 JM Penninger Rd Lexington NC 27292
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 0.767
LOCATION OF SITE: 509 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 3-5%	0-12	FILL	—		56		—	S 0.3	2
		12-41	C ABK	SS SP SE FR						
		41-56	CL ABK	SS SP SE FR	common SAP incl in CL					
2	LS 5-7%	0-6	FILL	—		56		—	S 0.3	3
		6-32	C ABK	SS SP SE FR						
		32-56	CL ABK	SS SP SE FR						
3	LS 7-9%	0-11	CL SBK	SS SP SE FR	10YR 5/6 + 5/8 in C 22"-30"	56		—	S 0.275	4
		11-30	C ABK	SS SP SE FR						
		30-56	CL ABK	SS SP SE FR						
4	LS 7-9%	0-12	CL SBK	SS SP SE FR	10YR 5/6 + 5/8 in C	60		—	S 0.25	4
		12-37	C ABK	S P SE FI						
		37-60	CL ABK	SS SP SE FR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	360	360
System Type(s)	G 25%	G 25%
Site LTAR	0.25	0.25
Maximum Trench Depth	32"	32"

SITE CLASSIFICATION (.0509): S 0.25
EVALUATED BY: S. Williams
OTHER(S) PRESENT: P. Penninger

Comments: partial old / filled in stump hole in pit 2

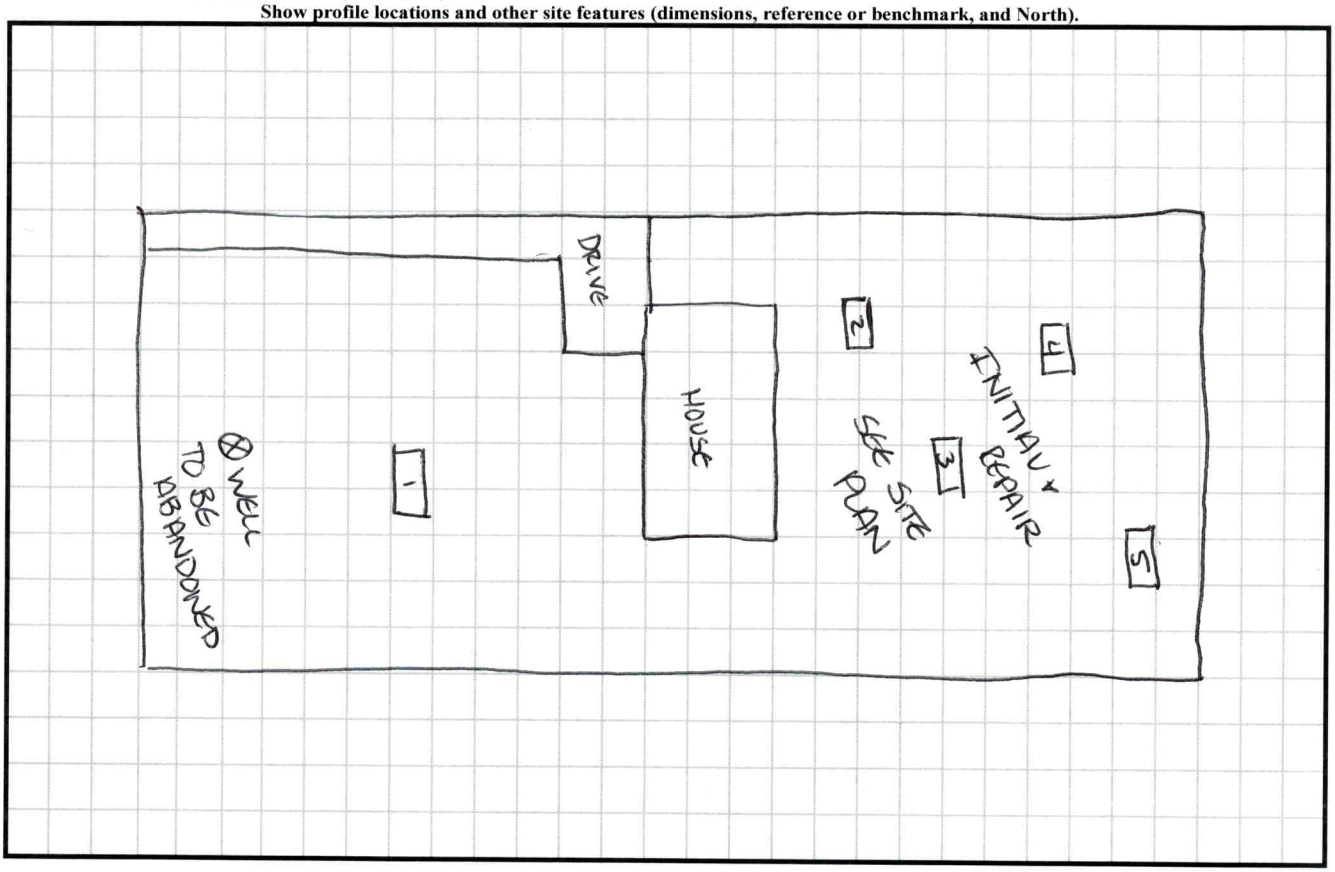
LEGEND

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).



SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4863-60-0595
DATE OF EVALUATION: 1/28/25
COUNTY: IREDELL

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	.0506 SOIL DEPTH	.0507 SAPRO CLASS	.0508 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
5	LS 7-9%	0-10	CL SBK	SS SP SE FR		50		—		
		10-30	C ABK	SS SP SE FR					S	
		30-50	CL WABK	SS SP SE FR/VFR					0.3	4
					Heavy SAP + mica in CL					

COMMENTS:

PERMIT SNAPSHOT REPORT OSWP-2025-68363 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	01/16/2025
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	Need to Draw	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Williams, Sarah	**Approval Expire Date:**	
Description:	New IP on vacant lot. Call Paul Penninger for site visit and any app questions.				

Parcel: 4863600595.000 Main	**Address:** 509 Eagle Mills Rd Hamptonville, NC 27020 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
Jordan Matt
Mobile: (704) 928-7919

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

LOT 7

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	28x64
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		Number of Occupants	6	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	0.767
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Jan 20 2025 12:00AM	Zoning Permit Expiration Date	Jul 19 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.