ICHD - ENVIRONMENTAL HEALTH DIVISION

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

Manf-2025-69032 BCW

PERMIT : OSWP 2024-64608

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

PIN # 4863 -- 60 -- 4420

APPLICANT/OWNER: Amy Smith | APPLICANT ADDRESS: 19634 Bustle Rd Cornelius NC 28031

SITE ADDRESS: 514 Eagle Mills Rd Hamptonville NC 27020 | PHONE: 704 560 1996 | ALT. PHONE

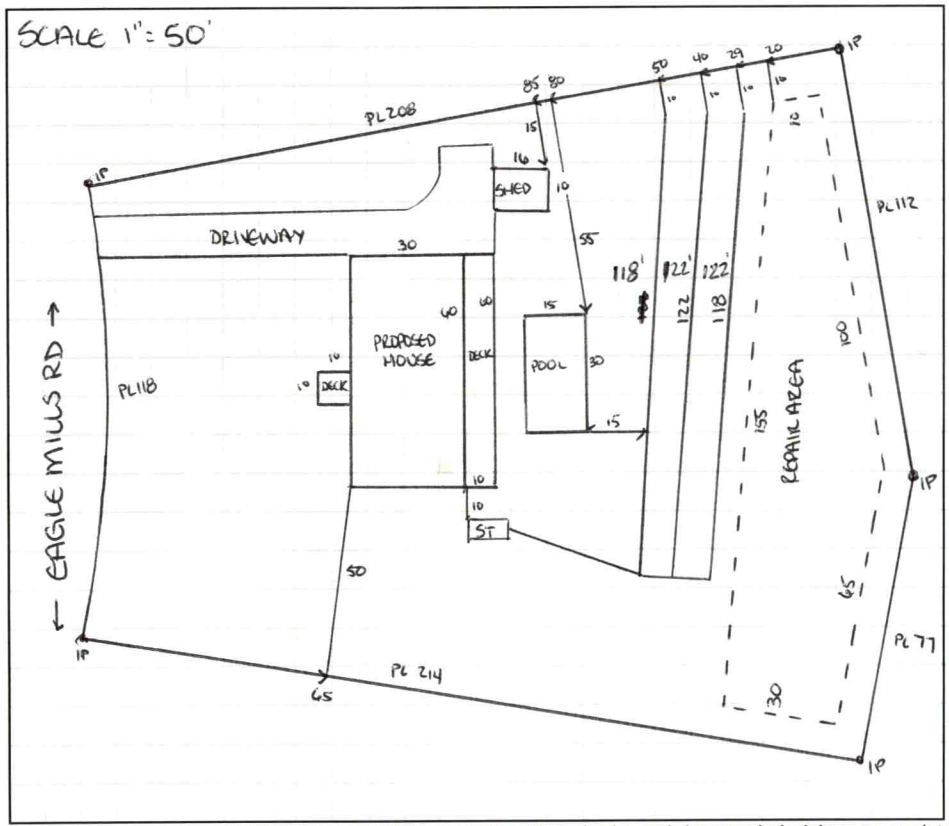
SITE DIRECTIONS: 77 N → (R) 901 → (L) Eagle Mills | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Eagle Ridge | SECTION: – | LOT # 2 | LOT AREA: 0.749 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.25 | L.T.A.R (Repair): 0.275

Septic Tank 1000 (gal)	STB 760	Date 2-11-2025	☒ 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: 25% REDUCTION		☐ Other	No. Employees –	☒ Public
# Nitrification Fields 1	# Lines 3	Linear Ft 360	Maintenance Agreement Required: ☐ YES ☒ NO		☐ Slab	☒ Crawl Space	☐ Community
Trench Width 36	*Max. Trench Depth(Initial) 30"	*Max. Trench Depth(Repair) 30"	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 in septic area. Pool + Shed to be staked at install.

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 SHOWN

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: JAKE DOBSON

IMPROVEMENT PERMIT by: Sarah Williams | Date: 1/23/25 | OPERATION PERMIT by: Bryant L. White | Date: 3-27-2025

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 1/23/25 | 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? _____	

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

PROPERTY ID #: 4863-60-7499
COUNTY: IREDELL

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

(Complete all fields in full)

OWNER: Amy Smith DATE EVALUATED: 11/21/25
ADDRESS: 19634 Bustle Rd Cornelius NC 28031
PROPOSED FACILITY: SFK PROPOSED DESIGN FLOW (.0400): PROPERTY SIZE: 6.749
LOCATION OF SITE: 574 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 15-17%	0-11	CL SBK	SS SP SE FR	7.5YR 4/6	C 22"-23" (51)		—	S 0.25	6
		11-40	C SABK	S P SE FR						
		40-57	CL ABK	SS SP SE FR	few SAP in CL					
2	LS 15-12	0-11	FILL DST	—		(55)		—	S 0.275	6
		11-32	C SABK	S SP SE FR						
		32-55	CL ABK	SS SP SE FR	heavy SAP incl in CL					
3	LS 15-17	0-10	CL SBK	SS SP SE FR		(52)		—	S 0.275	6
		10-35	C SABK	S SP SE FR						
		35-52	CL ABK	SS SP SE FR	heavy SAP incl in CL					
4	LS 15-12	0-12	CL SBK	SS SP SE FR				—	S 0.3	6
		12-33	C ABK	↓						
		33-60	CL ABK		heavy SAP incl in CL					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	360	328
System Type(s)	25%	25%
Site LTAR	0.25	0.275
Maximum Trench Depth	30"	30"

SITE CLASSIFICATION (.0509): S 0.25/0.275
EVALUATED BY: S. Williams
OTHER(S) PRESENT:

Comments:

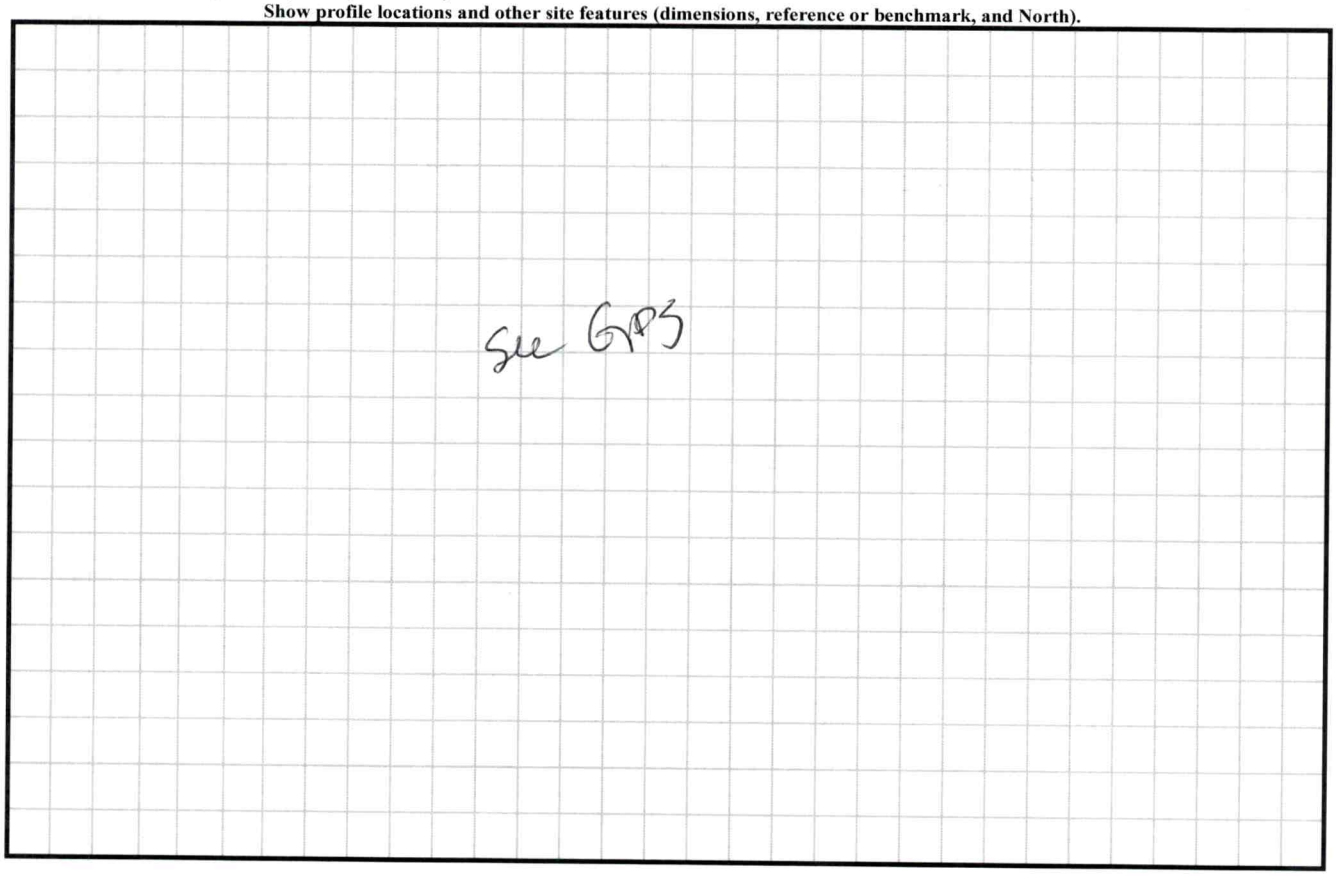
LEGEND

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-2024-64608 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	11/02/2024
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:	IP - AC				

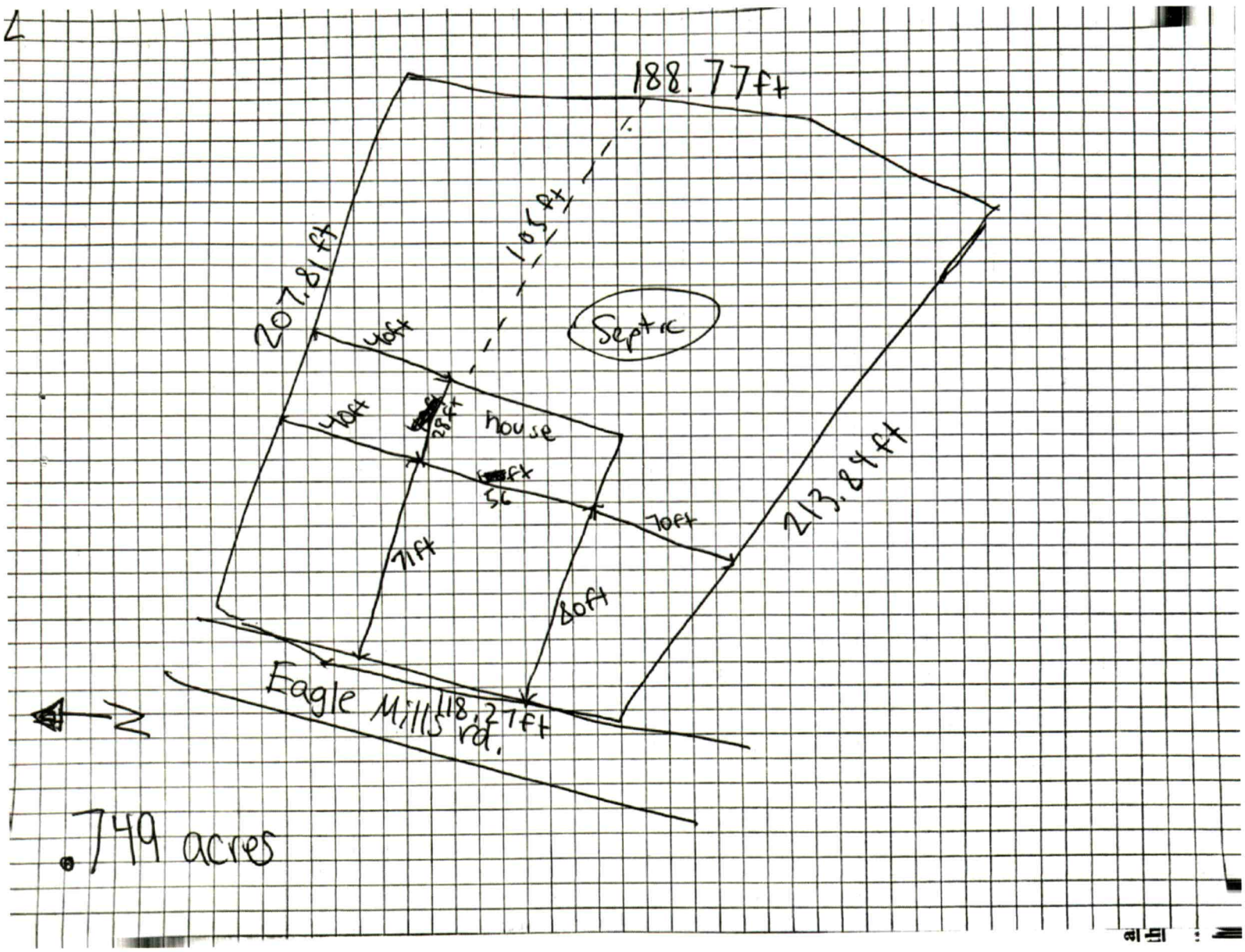
Parcel: 4863607499.000 Main	**Address:** 514 Eagle Mills Hamptonville, NC 27020 Main	**Zone:** RA(Residential Agricultural District)

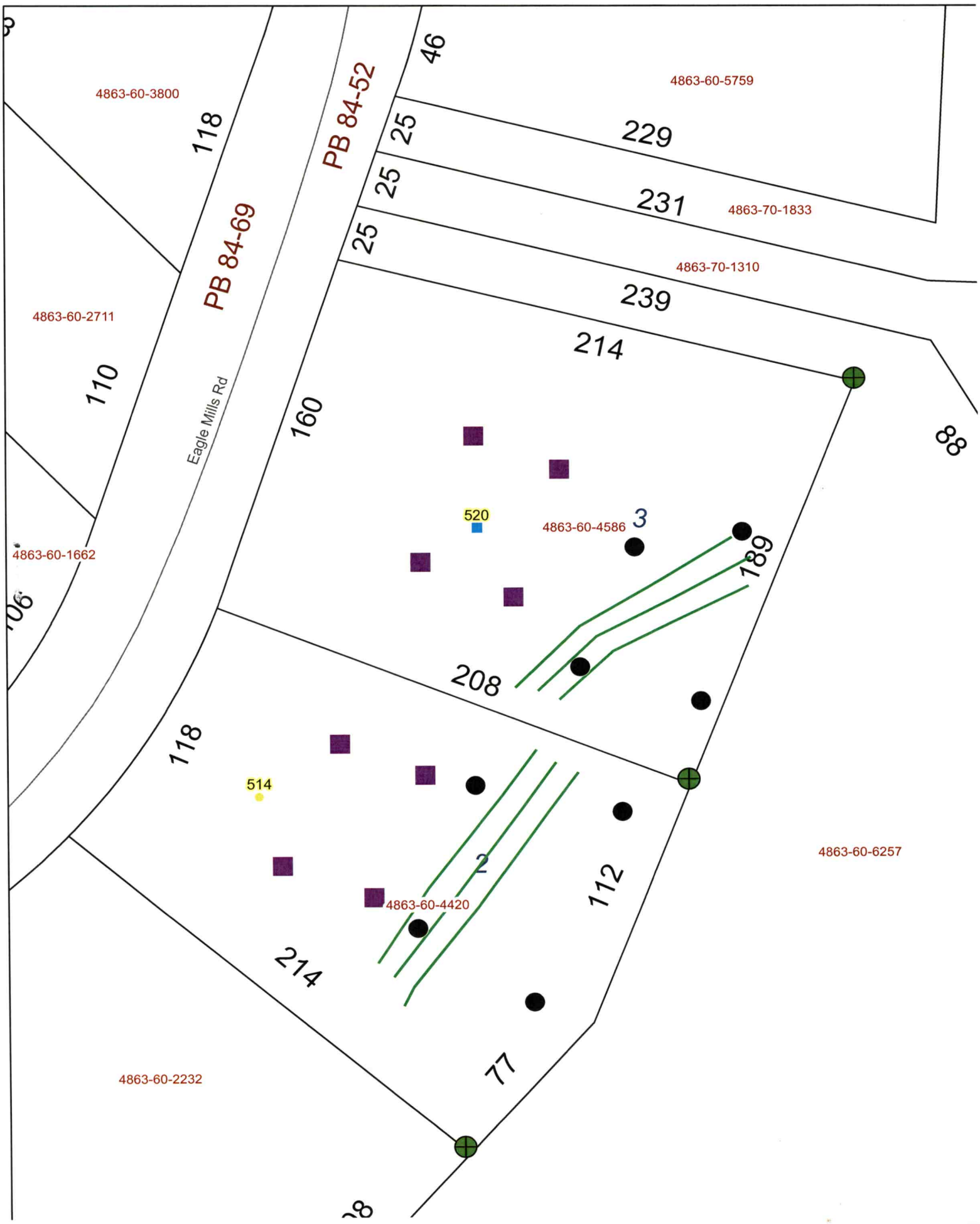
LOT 2

Property Owner	Property Owner	Applicant/Authorized Agent
Amy Smith/David Ian Smith	Amy Smith	KTS Concrete Services Inc
Home: (704) 560-1996	Home: (704) 560-1996	Amy Smith
Business: (704) 560-1996	Business: (704) 560-1996	19634 Bustle Rd
Mobile: (704) 560-1996	Mobile: (704) 560-1996	Cornelius, NC 28031
		Mobile: (704) 560-1996

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	56x28
What are the proposed structures	Manufactured Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain	none	Number of Occupants	5	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		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Authorization to Construct
Has this project been approved by TRC	No	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Nov 6 2024 12:00AM
Zoning Permit Expiration Date	May 5 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.


188.77ft
207.81ft
105.8ft
Septic
40ft
40ft
25ft
House
5ft
70ft
213.84ft
71ft
80ft
Eagle Mills rd.
118.37ft
N
.749 acres


4863-60-3800
118
PB 84-52
46
4863-60-5759
25
229
25
231
4863-70-1833
25
4863-70-1310
239
214
4863-60-2711
110
PB 84-69
Eagle Mills Rd
160
88
520
4863-60-4586
3
4863-60-1662
189
208
118
514
2
4863-60-6257
112
4863-60-4420
214
77
4863-60-2232