SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☑ NEW WELL ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) 6/22/22 LE Initial/Date

CA ($200.00) 10/11/22 Initial/Date

OP ($200.00) 10/11/22 Initial/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 _____ Initial/Date

Alteration Fees Paid: $300 Total $200 _____ Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____ Initial/Date

Generate CA / Approve As Noted

Floor plans need to be submitted and reviewed before CA can be issued ☒ Review ☒

This site is served by septic and well. Verify each is complete before final hold is released ☐

Septic file complete ☒ 12/18/23 Well complete ☐ _____

Send permit for signature ☒ AB 10-5-22 ✓ Signature received ☑ 10/7/22

This septic system requires a certified operation contract before final hold is released ☐

Certified operator contract is on file ☐ _____

Septic file Complete. Please release Occupancy Hold ✓ 12/18/23 LP

21 JUN '22 PM 1:00

X45844 11433B #13234

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ☐ N/A ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ☑ N/A ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 01123112
STREET ADDRESS: 12406 MAYES ROAD
CITY: HUNTERSVILLE
STATE: NC **ZIP:** 28078
SUBDIVISION NAME: N/A
LOT #: _____ **LOT SIZE (acres):** 0.437

TOWNSHIP:

☐ MECKLENBURG ☐ CORNELIUS ☑ HUNTERSVILLE
☐ DAVIDSON ☐ CHARLOTTE ☐ PINEVILLE
☐ MATTHEWS ☐ MINT HILL

4. BUILDING INFORMATION:

BUILDING TYPE:

☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☑ HOUSE ☐ OTHER _____

HEATED SQUARE FOOTAGE: 1328
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 2

FOUNDATION TYPE:

☑ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ☐ MUNICIPAL ☑ PRIVATE WELL ☐ PUBLIC WELL ☐ SHARED WELL ☐ OTHER _____

7. PROPOSED USE OF WELL: ☑ N/A ☐ IRRIGATION ☐ POTABLE (DRINKING WATER) ☐ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED):*

☐ N/A ☑ ANY TYPE ☑ CONVENTIONAL ☑ ACCEPTED ☑ INNOVATIVE ☑ ALTERNATIVE ☑ OTHER _____

8A. RANK: 2 1 3 4 5

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES ☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES ☑ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	☑ YES ☐ NO	JURISDICTIONAL WETLANDS	☐ YES ☑ NO
WELLS, SPRINGS, OR WATER LINES	☐ YES ☑ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	☐ YES ☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES ☑ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	☐ YES ☑ NO
CHEMICAL/PETROLEUM STORAGE TANKS	☐ YES ☑ NO	KNOWN UNDERGROUND CONTAMINATION	☐ YES ☑ NO
WASTE STORAGE	☐ YES ☑ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	☐ YES ☑ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 08/09/2021 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☑ N/A

12. PROPERTY OWNER:

NAME: JAMES P & PATRICIA E SPENCER
ADDRESS: 12300 MAYES ROAD
CITY: HUNTERSVILLE
STATE: NC ZIP: 28078
WORK PHONE: N/A
MOBILE PHONE: 704-512-9530
FAX: N/A
E-MAIL: N/A

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

Owner's Authorization form is required if legal representative is submitting application

NAME: CAROLINA DESIGN BUILDERS
ADDRESS: PO BOX 3546
CITY: ROCK HILL
STATE: SC ZIP: 29732
WORK PHONE: 803-329-3044
MOBILE PHONE: 803-524-5422 — Sarah Brehm
FAX: N/A
E-MAIL: CDBUILDERS@COMPORIUM.NET

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208 OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

CDB (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

CAROLINA DESIGN BUILDERS LLC
Property Owner's or Owner's Legal Representative Signature

03/16/2022
Date

OFFICE USE ONLY

☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☐ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: 03/16/2022

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208 OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19

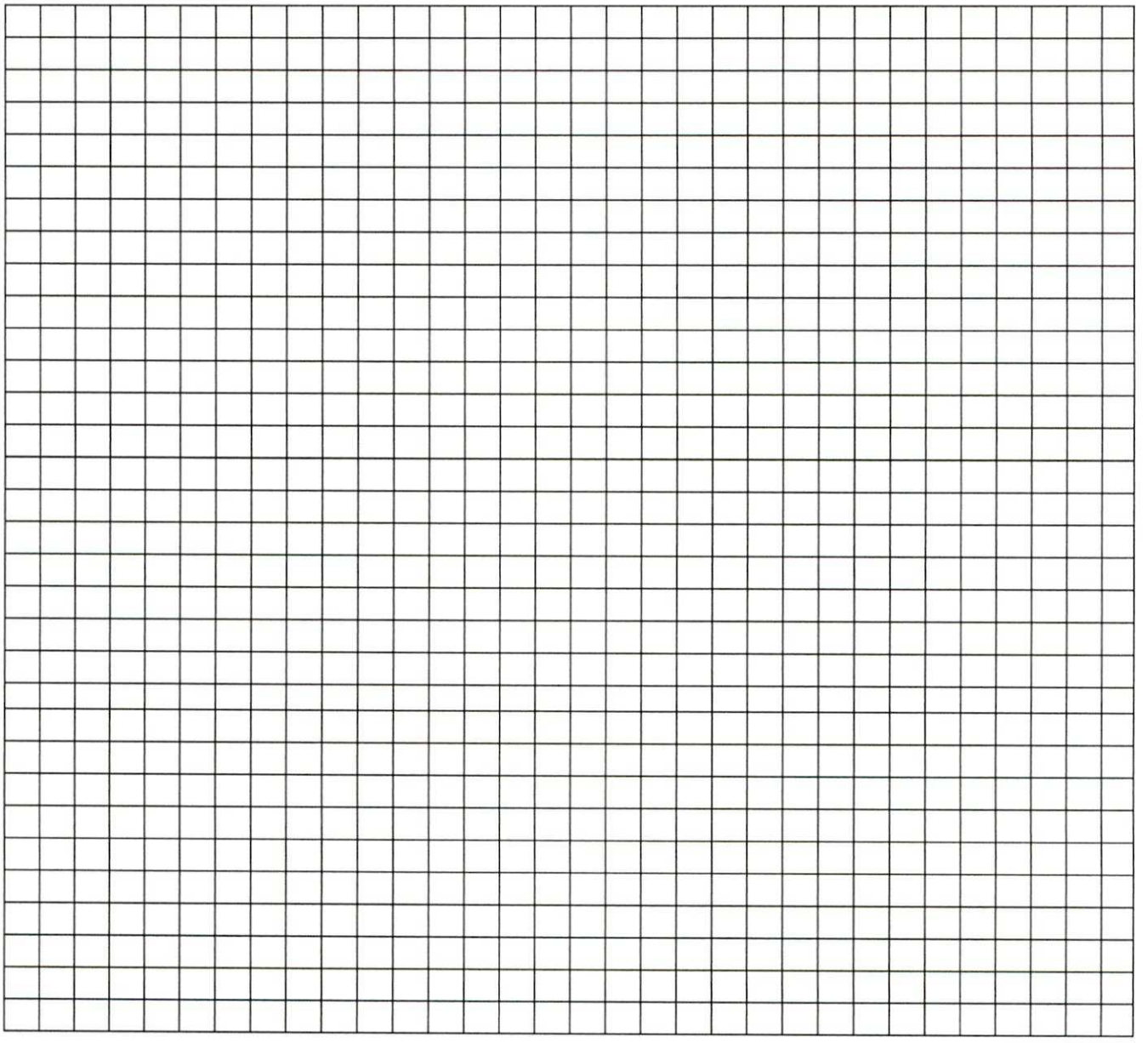
File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 12406 MAYES ROAD Tax Parcel #: 01123112

Subdivision Name: N/A Lot #: _____

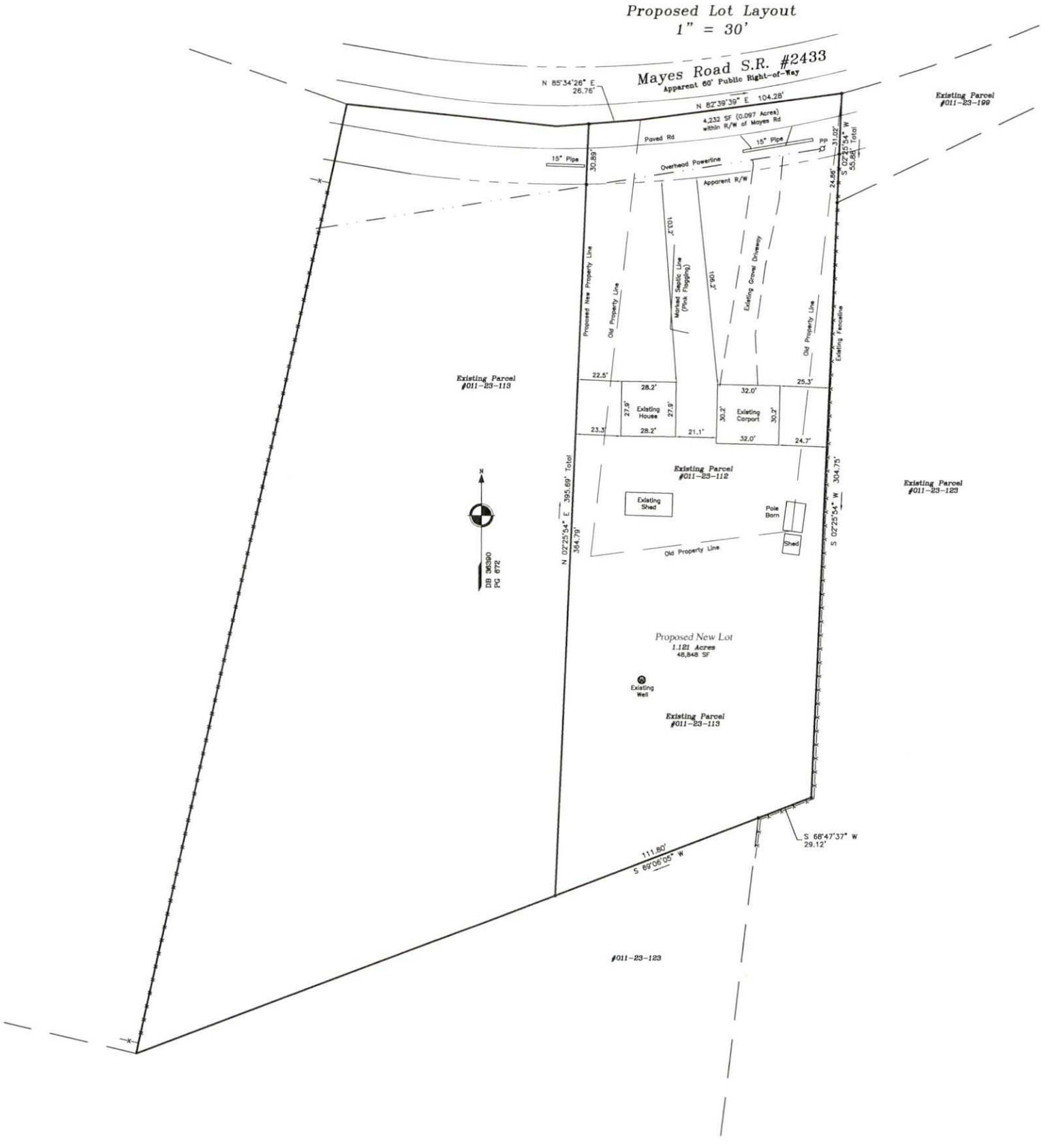


CAROLINA DESIGN BUILDERS LLC
Property Owner's or Owner's Legal Representative Signature

03/16/2022
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208, OFFICE: (980) 314-1680, FAX: 704-336-6894

Revised on: 03/27/19


Proposed Lot Layout
1" = 30'
Mayes Road S.R. #2433
Apparent 60' Public Right-of-Way
N 85°34'26" E
26.76'
N 82°39'39" E 104.28'
4,232 SF (0.097 Acres)
within R/W of Mayes Rd
Paved Rd
15" Pipe
PP
15" Pipe
30.89'
Overhead Powerline
Apparent R/W
S 02°25'54" W
55.82' Total
31.02'
24.86'
Existing Parcel
#011-23-199
Proposed New Property Line
Old Property Line
Marked Septic Line
(Pink Flagging)
103.3'
106.7'
Existing Gravel Driveway
Old Property Line
Existing Fenceline
Existing Parcel
#011-23-113
22.5'
28.2'
27.9'
Existing
House
27.8'
23.3'
28.2'
21.1'
32.0'
30.2'
Existing
Carport
30.2'
32.0'
25.3'
24.7'
Existing Parcel
#011-23-112
Existing
Shed
Pole
Barn
Shed
Old Property Line
N 02°25'54" E 395.69' Total
364.79'
S 02°25'54" W 304.75'
Existing Parcel
#011-23-123
N
DB 36360
PG 672
Proposed New Lot
1.121 Acres
48,848 SF
Existing
Well
Existing Parcel
#011-23-113
S 68°47'37" W
29.12'
111.80'
S 89°06'05" W
#011-23-123

Residential Plot Plan
For Internet Permit Application

For Department Use
Permit #

ENTER SUBMITTAL NUMBER HERE: 475484317

Master Plan #

LOCATION/SITE DATA

12406 **MAYES** **RD** Unit:

Street # (N,S,E,W) Street Name (Av,Rd,St)

Project / Subdivision Name: Phase Section

Lot # · Block # Land Area (sq. ft.)

OWNER INFORMATION Address: **12300 MAYES ROAD**

Owner: **JAMES P & PATRICIA E SPENCER**

City: **HUNTERSVILLE** State: **NC** Zip: **28078** Phone # **(704)512-9530**

FOR DEPARTMENT USE Tax Parcel # **01123112** Tax Jurisdiction: **HUNTERSVILLE HUNT**

Zoning: Juris **HUNT** Map # R/W

Special (Circle) C D N P S Floodplain __Yes Flood Elev Fire Dist. __Yes

Lot: __Corner __Through __Front Street (if different)

Minimum setbacks: Front Left Side Right Side Rear

Remarks:

PROJECT DATA

Type Work:

__ New __ Addition __ Accessory

Project Description:

SPENCER PROJECT

Area (sq.ft.):

Heated **576** Unheated **288**

Deck(s) **96**

Utilities: New **X** Existing

Public:

1-Indiv Meter/Conn. Water Sewer

2-Master Meter/Conn. Water Sewer

Private:

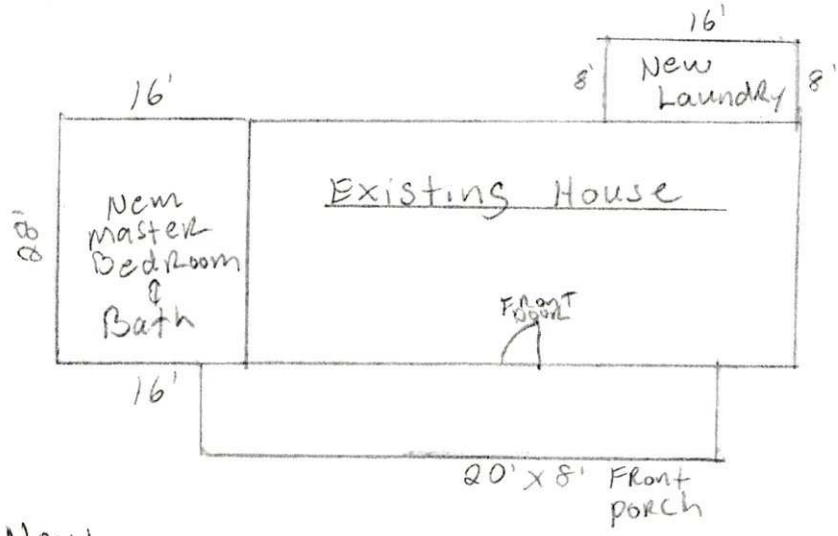
3-Individual **X** Well **X** Septic

4-Community Well Septic

Note: This plot plan must be uploaded before your Internet permit will be processed.

Central office: 980-314-CODE

DRAW PLOT PLAN- Show what the permit is requesting.



New Additions

ALL EXISTING AND PROPOSED BUILDING(S) ON LOT ARE SHOWN WITH MEASUREMENTS INDICATED.

Applicant's Signature **2/15/2022** Date **RANDY GHANT** Print Applicant's Name Contact # **(803)524-5422** ext:

Contractor Name: **CAROLINA DESIGN BLDRS LLC** Contractor Acct #: **X45344**

Email:

For Department Use: Zoning Approved by:
Initial _____ Date: _____

Mecklenburg County Code Enforcement Dept.
PO Box 31097 Charlotte, NC 28231-1097
(980) 314-CODE, fax (866) 851-3553

MECKLENBURG COUNTY
Health Department

Raynard Washington, PhD, MPH
Health Director

(704) 336-4700

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that CAROLINA DESIGN BUILDERS LLC is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

12406 MAYES STREET HUNTERSVILLE
Number Street Town
(Or Parcel Number)

JAMES P SPENCER
Property Owner (print name)

Property Owner (signature)

03/16/2022
Date

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/21/22	**Amount:**	250.00
Receipt #:	136505	**Tendered:**	250.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X45344
Contractor: CAROLINA DESIGN BLDRS LLC
Attn:
Address: 518 HUTCHINSON ST
Address:
City/State/Zip: ROCK HILL, SC 29730

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 12406 MAYES ROAD		1	250.00	250.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
250.00	1.45	145.00			

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1 of 2
Property ID: 011-231-12
Lot #: NA
File #: 11423B
AppID: 13234

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: James & Patricia Spencer
Address: 12300 Mayes Rd, Huntersville, NC 28078
Proposed Facility: 3 Bedroom House
Design Flow (.1949): 360 GPD
Location of Site: 12406 Mayes Rd, Huntersville, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well
Evaluation Method: [ ] Auger Boring [ ] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: Carolina Design Builders
Date Evaluated: 9/26/2022
Property Size: 1.121 ac
Property Recorded: Unknown
[ ] Spring [ ] Municipal
[ ] Cut
[ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #A	LS 3%	0 - 16	sbk CL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.3	35"
		16 - 32	sbk C	S P FI SEXP							
		32 - 48	sbk CL	SS SP FR SEXP							
Boring #B	LS 4%	0 - 11	sbk CL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.3	35"
		11 - 32	sbk C	S P FI SEXP							
		32 - 48	sbk CL	SS SP FR SEXP							
Boring #C	LS 4%	0 - 7	gr SCL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.3	35"
		7 - 34	sbk C	S P FI SEXP							
		34 - 48	sbk CL	SS SP FR SEXP							
Boring #D	LS 5%	0 - 4	sbk CL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.3	34"
		4 - 48	sbk C	S P FI SEXP							
Boring #E	LS 5%	0 - 4	gr SCL	SS SP FR SEXP	>48"	48	NA	NA		PS IV 0.3	34"
		4 - 37	abk C	S P FI SEXP							
		37 - 48	mass C	S VP FI EXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	IIIg
Site LTAR (gpd/sq ft)	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS, REHS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Kim Starnes, REHS
Others Present:

COMMENTS:

Landscape Position
R-Ridge
SS-Shoulder Slope
LS-Linear Slope
FS-Foot Slope
NS-Nose Slope
HS-Head Slope
CC-Concave Slope
CV-Convex Slope
T-Terrace
FP-Flood Plain
D-Drainage Way

Group	Texture	.1955 LTAR
I	S-Sand	1.2 - 0.8
	LS-Loamy Sand	
II	SL-Sandy Loam	0.8 - 0.6
	L-Loam	
III	Si-Silt	0.6 - 0.3
	SiCL-Silty Clay Loam	
	CL-Clay Loam	
	SCL-Sandy Clay Loam	
	SiL-Silt Loam	
IV	SC-Sandy Clay	0.4 - 0.1
	SiC-Silty Clay	
	C-Clay	

Structure
sg-Single Grain
mass-Massive
cr-Crumb
gr-Granular
sbk-Subangular Blocky
abk-Angular Blocky
pl-Platy
pr-Prismatic

Structure Prefixes
w-weak
m-moderate
s-strong
f-fine
m-medium
c-coarse

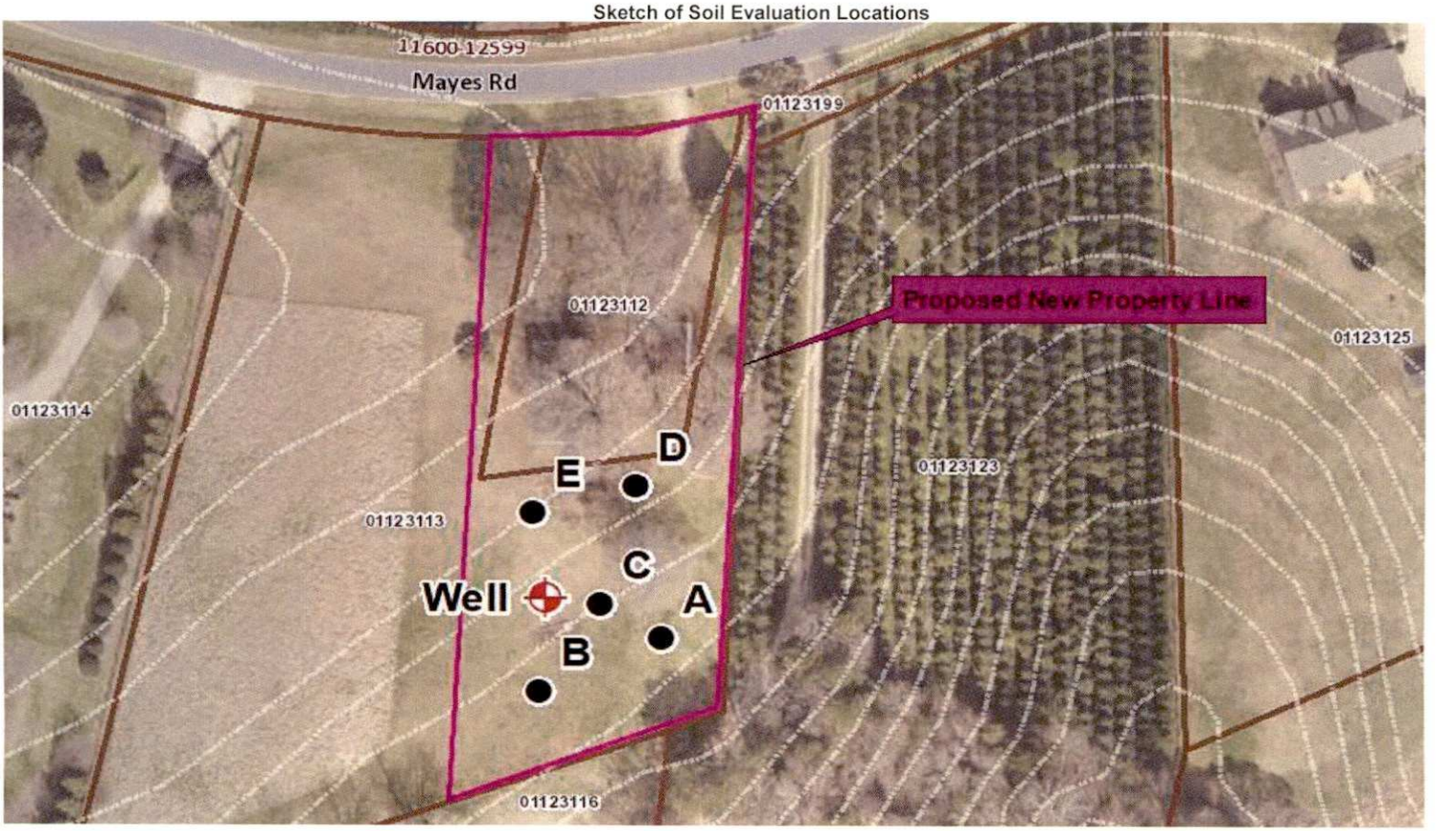
Consistence
Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence
Wet
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Classification
US-Unsuitable
PS-Provisionally Suitable
S-Suitable
NA-Not Applicable

Sketch of Soil Evaluation Locations



Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30013234** GWS File #: **11433B** Tax Parcel #: **011-231-12**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 10/4/2027

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 1328 # Bedrooms: 3 Max. Occup.: 6

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: Accepted **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): .3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 900 Total Trench Length (ft): 300

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Distribution Box

III. Repair System Type: Accepted **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): .3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 900 Total Trench Length (ft): 300

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Distribution Box

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Kim Garrett Owner/Legal Agent: _____
Print Name

Signature: Kim Garrett Signature: _____

Date Issued: 10/4/2022

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30013234** GWS File #: **11433B**

IV. Permit Conditions/Comments:

- Proper well abandonment is required prior to receiving an Installation Approval from our office to install the septic system.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

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Authorized Agent: Kim Garrett

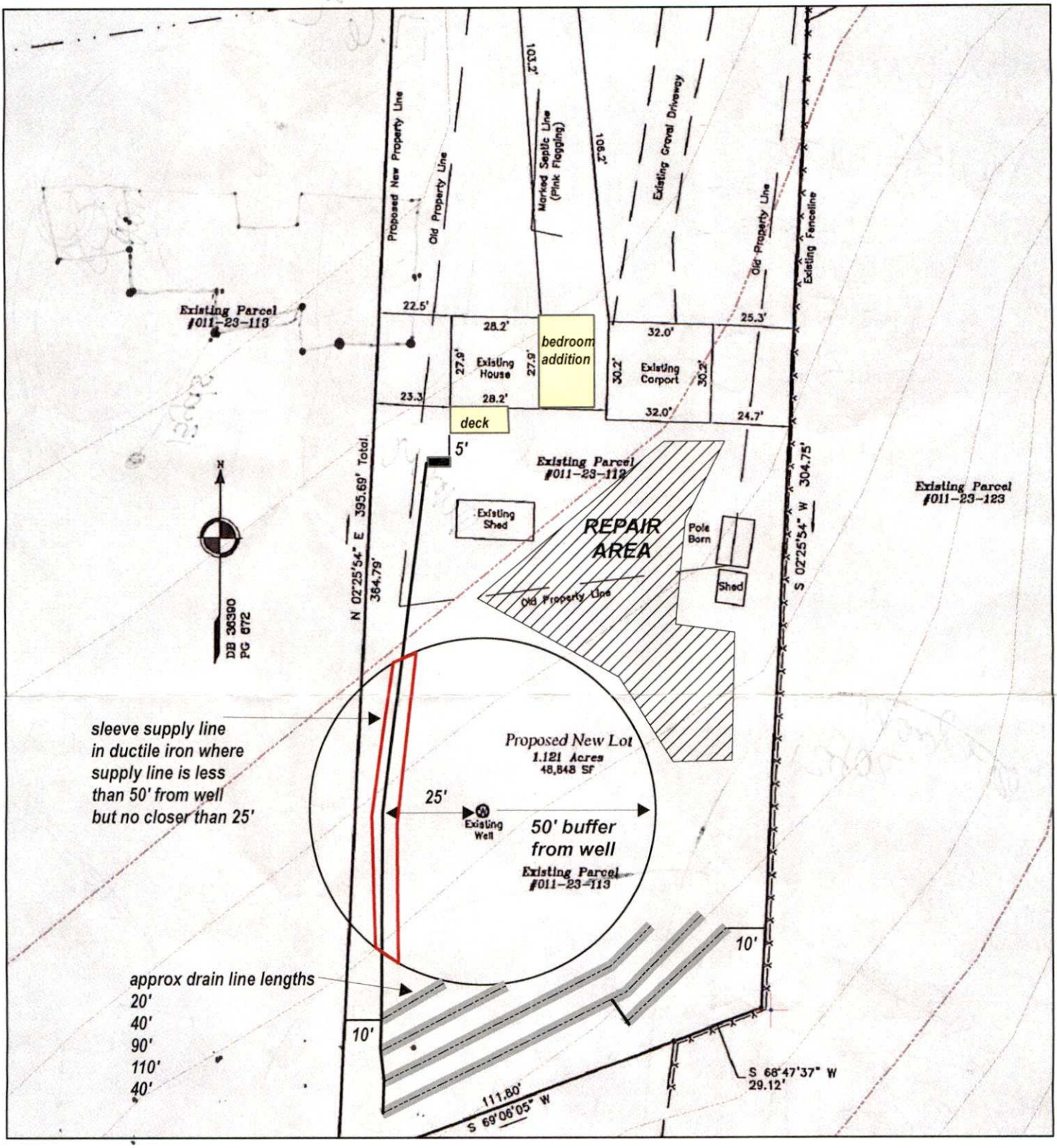
Signature: Kim Garrett

Date Issued: 10/4/2022

Owner/Legal Agent: _____
Print Name

Signature: _____

WELL PERMIT DIAGRAM



Mecklenburg County Health Department
Environmental Health Program
Improvement Permit # 30013234
12406 Mayes Road
PID# 011-231-12
James & Patricia Spencer
Date permitted 10/04/22

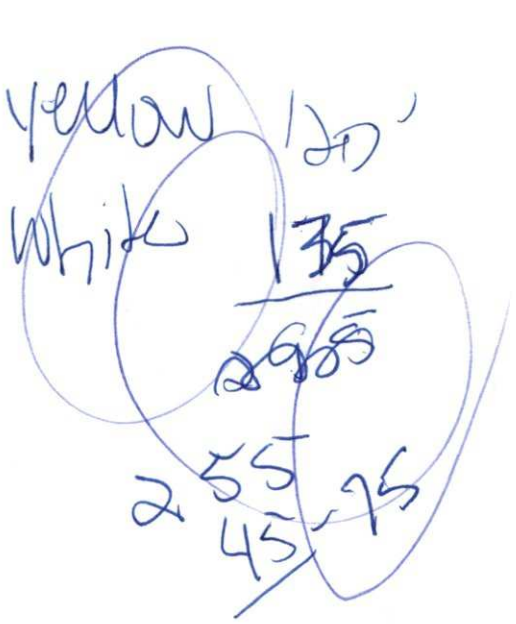
Authorized Agent: Kim Garrett, REHS

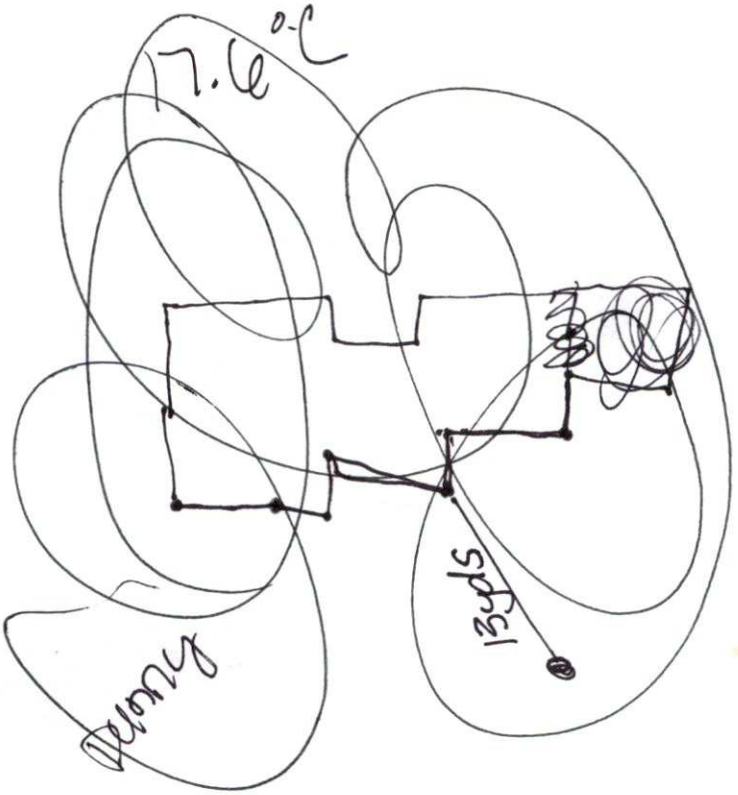
Date: 10/4/22

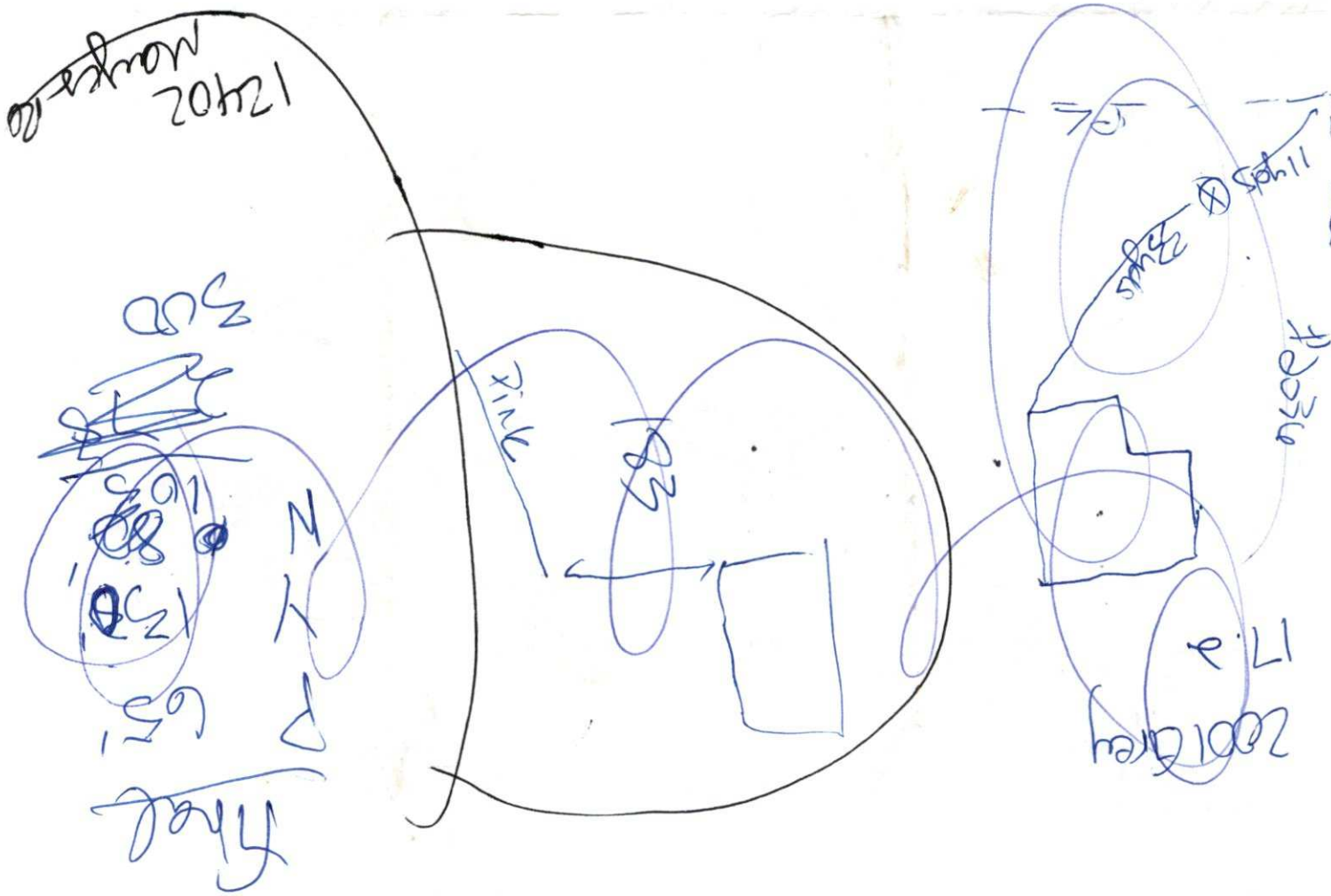
Owner/Legal Agent: _____

Date: _____

1 inch = 40 feet


yellow 120
White 135
255
45
75


17.6°C
Purple
13yds


Yellow
Pink
Green
17.3
11yds
23yds

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30013234** GWS File #: **11433B** Tax Parcel #: **011-231-12**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 10/4/2027

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 1328 # Bedrooms: 3 Max. Occup.: 6

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: Accepted **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	.3	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	900	Total Trench Length (ft):	300
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: Accepted **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	.3	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	900	Total Trench Length (ft):	300
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Distribution Box		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Kim Garrett

Signature: Kim Garrett

Date Issued: 10/4/2022

Owner/Legal Agent: RANDY GHANT, CAROLINA DESIGN BUILDERS
Print Name

Signature: RANDY GHANT, CAROLINA DESIGN BUILDERS

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IMPROVEMENT PERMIT for a RESIDENTIAL
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30013234** GWS File #: **11433B**

IV. Permit Conditions/Comments:

- Proper well abandonment is required prior to receiving an Installation Approval from our office to install the septic system.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

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Authorized Agent: Kim Garrett

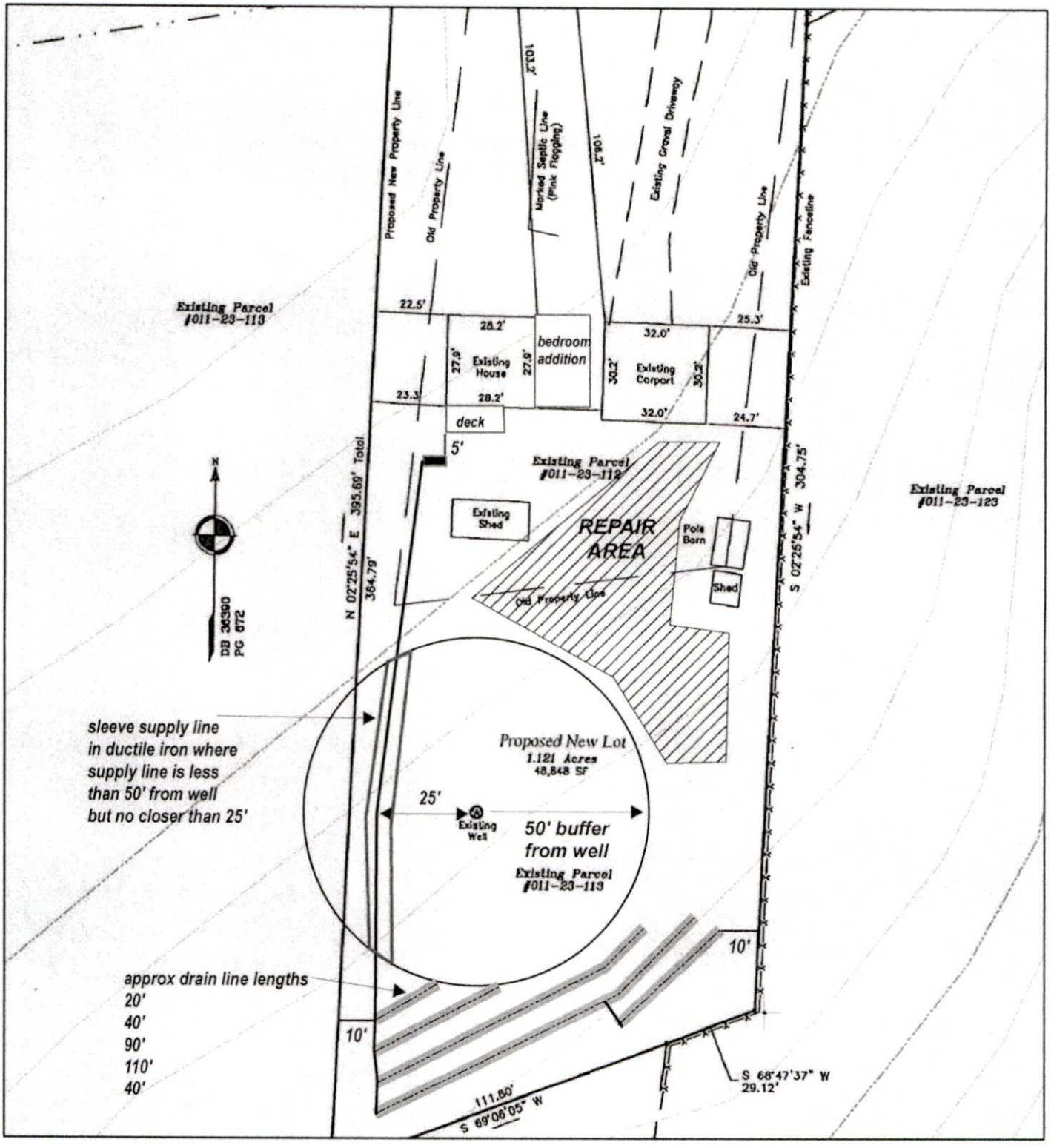
Signature: Kim Garrett

Date Issued: 10/4/2022

Owner/Legal Agent: RANDY GHANT, CAROLINA DESIGN BUILDERS
Print Name

Signature: RANDY GHANT, CAROLINA DESIGN BUILDERS

WELL PERMIT DIAGRAM



Mecklenburg County Health Department
Environmental Health Program
Improvement Permit # 30013234
12406 Mayes Road
PID# 011-231-12
James & Patricia Spencer
Date permitted 10/04/22

Authorized Agent: Kim Garrett, REHS

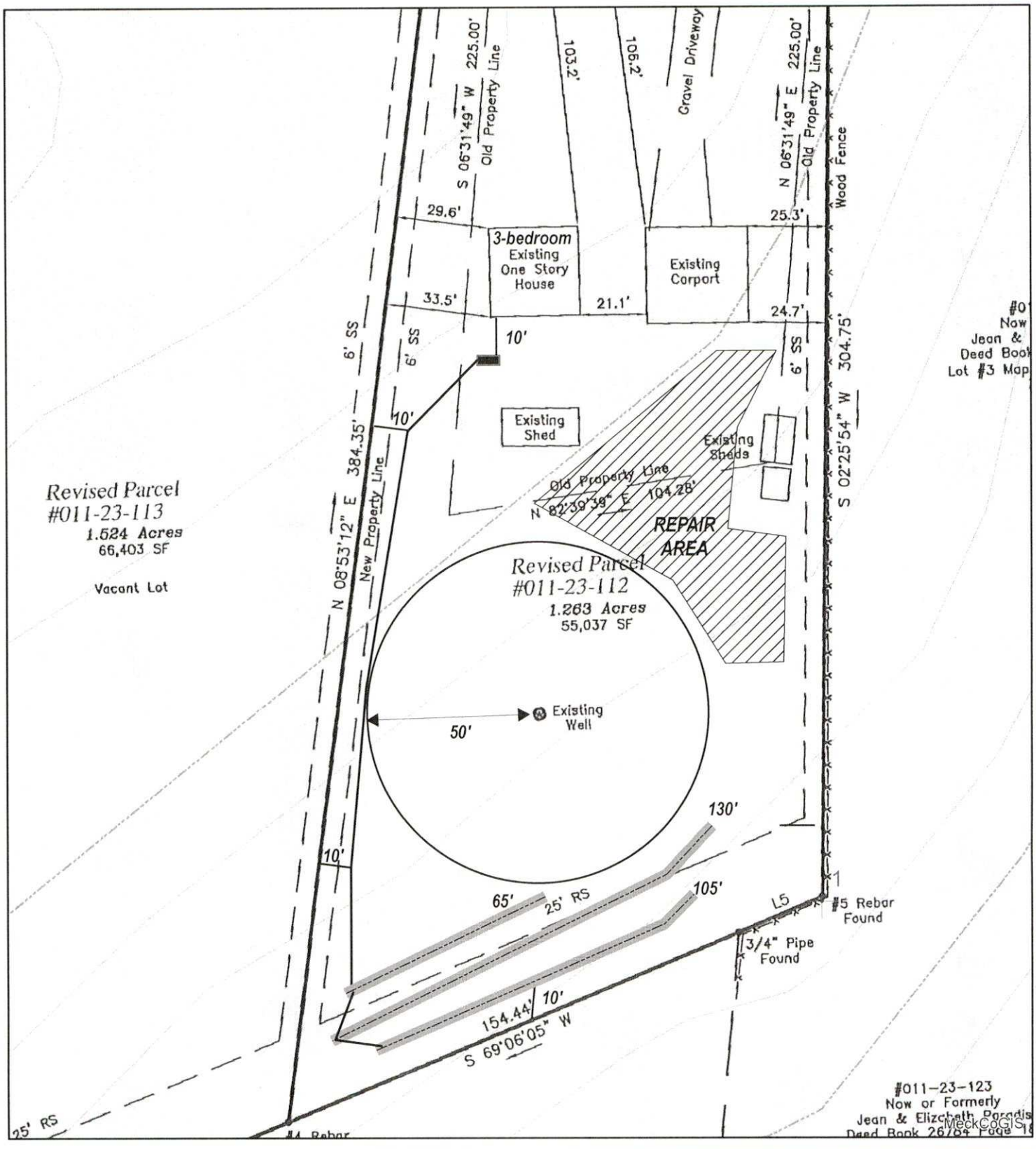
Date: 10/4/22

1 inch = 40 feet

Owner/Legal Agent: RANDY GHANT, CAROLINA DESIGN BUILDERS

Date: 10/04/2022

IMPROVEMENT PERMIT PLOT PLAN



Mecklenburg County Health Department
Environmental Health Program
Improvement Permit # 30013234
12406 Mayes Road
PID# 011-261-37
James & Patricia Spencer
Date permitted: 10/04/22 (redraw 5/16/23, updated property line)

1 inch = 40 feet

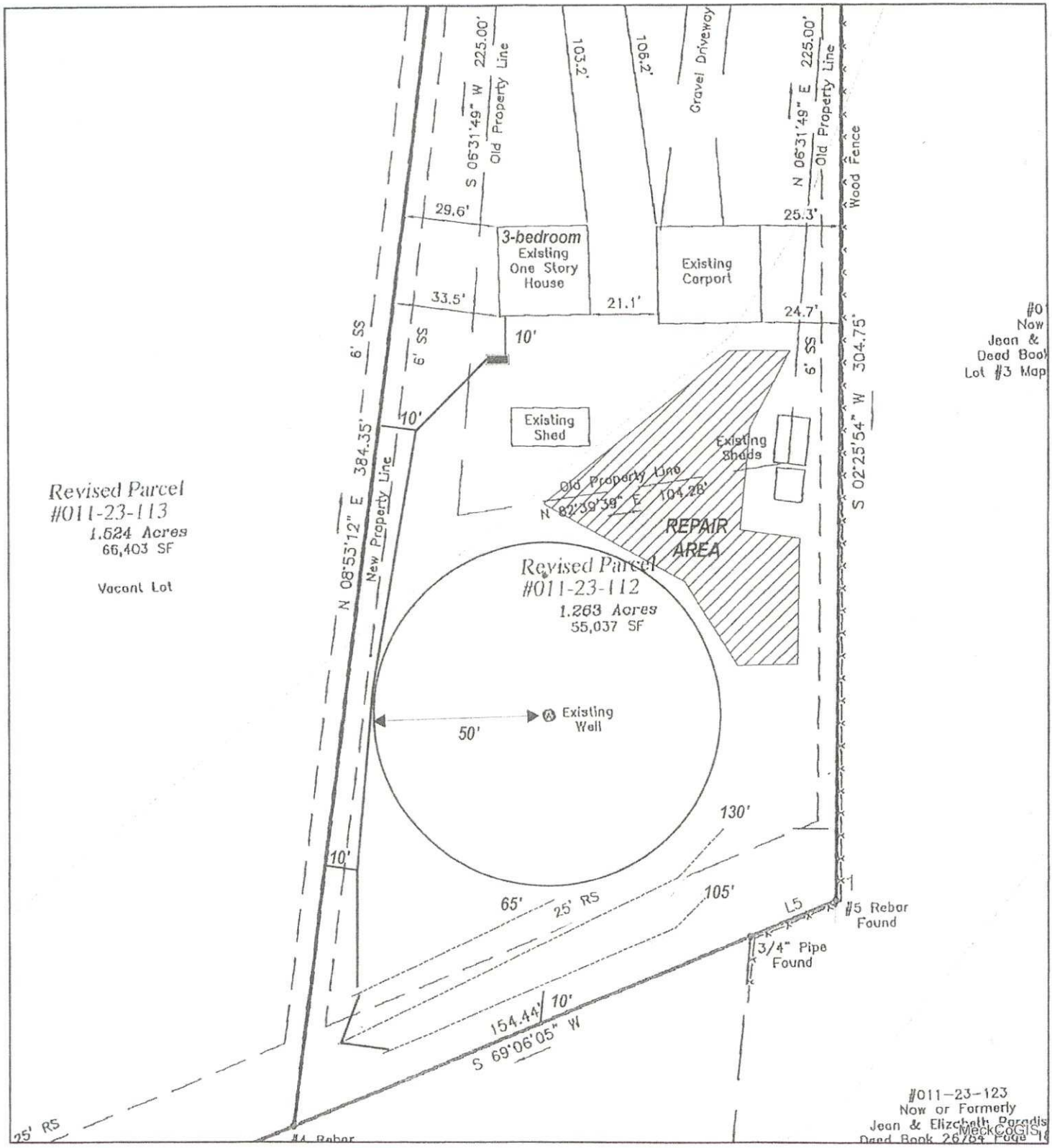
Authorized Agent: Kim Garnett

Date: 5/16/23

Owner/Legal Agent: _____

Date: _____

IMPROVEMENT PERMIT PLOT PLAN



Mecklenburg County Health Department
Environmental Health Program
Improvement Permit # 30013234
12406 Mayes Road
PID# 011-261-37
James & Patricia Spencer
Date permitted: 10/04/22 (redraw 5/16/23, updated property line)

1 inch = 40 feet

Authorized Agent: Kim Garnett

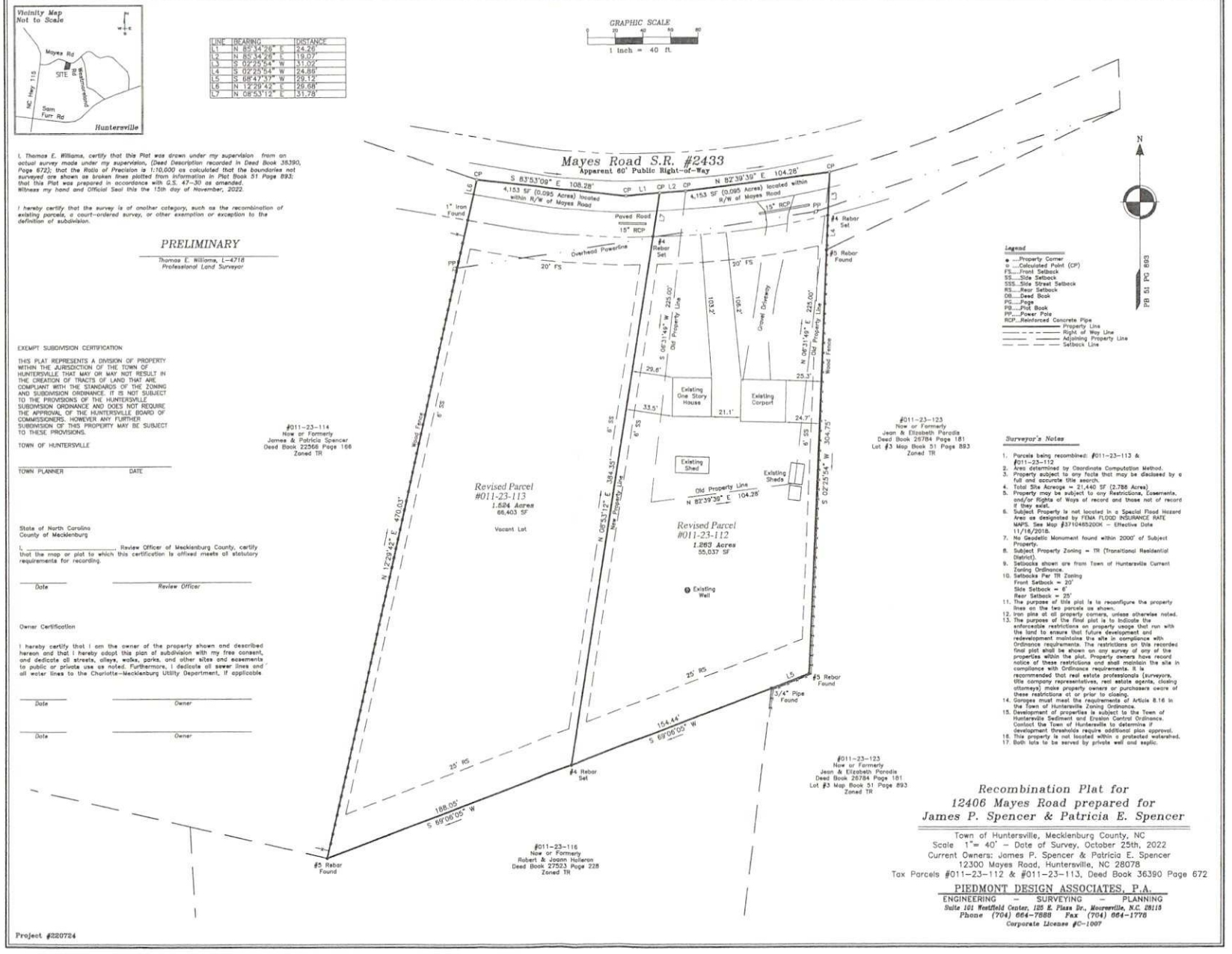
Date: 5/16/23

Owner/Legal Agent: James R Spencer

Date: 5/30/23

file # 11433 B

NAD 83 Survey



LINE	BEARING	DISTANCE
L1	N 85°34'26" E	24.26'
L2	N 85°34'26" E	19.07'
L3	S 02°25'54" W	31.02'
L4	S 02°25'54" W	24.86'
L5	S 68°47'57" W	29.12'
L6	N 12°29'42" E	29.68'
L7	N 08°53'12" E	31.78'

I, Thomas E. Williams, certify that this Plat was drawn under my supervision from an actual survey made under my supervision, (Deed Description recorded in Deed Book 36390, Page 672); that the Ratio of Precision is 1:10,000 as calculated that the boundaries not surveyed are shown as broken lines plotted from information in Plat Book 51 Page 893; that this Plat was prepared in accordance with G.S. 47-30 as amended. Witness my hand and Official Seal this the 15th day of November, 2022.

I hereby certify that the survey is of another category, such as the recombination of existing parcels, a court-ordered survey, or other exemption or exception to the definition of subdivision.

PRELIMINARY

Thomas E. Williams, L-4718
Professional Land Surveyor

EXEMPT SUBDIVISION CERTIFICATION

THIS PLAT REPRESENTS A DIVISION OF PROPERTY WITHIN THE JURISDICTION OF THE TOWN OF HUNTERSVILLE THAT MAY OR MAY NOT RESULT IN THE CREATION OF TRACTS OF LAND THAT ARE COMPLIANT WITH THE STANDARDS OF THE ZONING AND SUBDIVISION ORDINANCE. IT IS NOT SUBJECT TO THE PROVISIONS OF THE HUNTERSVILLE SUBDIVISION ORDINANCE AND DOES NOT REQUIRE THE APPROVAL OF THE HUNTERSVILLE BOARD OF COMMISSIONERS. HOWEVER ANY FURTHER SUBDIVISION OF THIS PROPERTY MAY BE SUBJECT TO THESE PROVISIONS.

TOWN OF HUNTERSVILLE

TOWN PLANNER DATE

State of North Carolina
County of Mecklenburg

I, _____, Review Officer of Mecklenburg County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Date Review Officer

Owner Certification

I hereby certify that I am the owner of the property shown and described hereon and that I hereby adopt this plan of subdivision with my free consent, and dedicate all streets, alleys, walks, parks, and other sites and easements to public or private use as noted. Furthermore, I dedicate all sewer lines and all water lines to the Charlotte-Mecklenburg Utility Department, if applicable.

Date Owner

Date Owner

Legend

●—Property Corner
⊙—Calculated Point (CP)
FS.....Front Setback
SS.....Side Setback
SSS...Side Street Setback
RS.....Rear Setback
DB.....Deed Book
PG.....Page
PB.....Plat Book
PP.....Power Pole
RCP...Reinforced Concrete Pipe
Property Line
Right of Way Line
Adjoining Property Line
Setback Line

Surveyor's Notes

1. Parcels being recombined: #011-23-113 & #011-23-112
2. Area determined by Coordinate Computation Method.
3. Property subject to any facts that may be disclosed by a full and accurate title search.
4. Total Site Acreage = 21,440 SF (2.786 Acres)
5. Property may be subject to any Restrictions, Easements, and/or Rights of Ways of record and those not of record if they exist.
6. Subject Property is not located in a Special Flood Hazard Area as designated by FEMA FLOOD INSURANCE RATE MAPS. See Map #3710465200K - Effective Date 11/16/2018.
7. No Geodetic Monument found within 2000' of Subject Property.
8. Subject Property Zoning = TR (Transitional Residential District).
9. Setbacks shown are from Town of Huntersville Current Zoning Ordinance.
10. Setbacks Per TR Zoning
Front Setback = 20'
Side Setback = 6'
Rear Setback = 25'
11. The purpose of this plat is to reconfigure the property lines on the two parcels as shown.
12. Iron pins at all property corners, unless otherwise noted.
13. The purpose of the final plat is to indicate the enforceable restrictions on property usage that run with the land to ensure that future development and redevelopment maintains the site in compliance with Ordinance requirements. The restrictions on this recorded final plat shall be shown on any survey of any of the properties within the plat. Property owners have record notice of these restrictions and shall maintain the site in compliance with Ordinance requirements. It is recommended that real estate professionals (surveyors, title company representatives, real estate agents, closing attorneys) make property owners or purchasers aware of these restrictions at or prior to closing.
14. Garages must meet the requirements of Article 8.16 in the Town of Huntersville Zoning Ordinance.
15. Development of properties is subject to the Town of Huntersville Sediment and Erosion Control Ordinance. Contact the Town of Huntersville to determine if development thresholds require additional plan approval.
16. This property is not located within a protected watershed.
17. Both lots to be served by private well and septic.

Recombination Plat for
12406 Mayes Road prepared for
James P. Spencer & Patricia E. Spencer

Town of Huntersville, Mecklenburg County, NC
Scale 1"= 40' – Date of Survey, October 25th, 2022
Current Owners: James P. Spencer & Patricia E. Spencer
12300 Mayes Road, Huntersville, NC 28078
Tax Parcels #011-23-112 & #011-23-113, Deed Book 36390 Page 672

PIEDMONT DESIGN ASSOCIATES, P.A.
ENGINEERING – SURVEYING – PLANNING
Suite 101 Westfield Center, 125 E. Plaza Dr., Mooresville, N.C. 28115
Phone (704) 664-7888 Fax (704) 664-1778
Corporate License #C-1007

Project #220724

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/11/22	**Amount:**	200.00
Receipt #:	138039	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	YORKZ		

Account Information

Account #: X45344
Contractor: CAROLINA DESIGN BLDRS LLC
Attn:
Address: 518 HUTCHINSON ST
Address:
City/State/Zip: ROCK HILL, SC 29730

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 12406 Mayes rd		1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
400.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/11/22	**Amount:**	200.00
Receipt #:	138038	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	YORKZ		

Account Information

Account #: X45344
Contractor: CAROLINA DESIGN BLDRS LLC
Attn:
Address: 518 HUTCHINSON ST
Address:
City/State/Zip: ROCK HILL, SC 29730

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 12406 Mayes rd		1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
200.00					

FEE: 200.00

DATE: 10/14/2022

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 11433B

PERMIT NUMBER: 30013234

PARCEL NUMBER: 01123112

JOB LOCATION INFORMATION

ADDRESS: 12406 MAYES RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: JAMES P & PATRICIA E SPENCER

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/14/2022

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30013234, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, AND MAY BE ISSUED AT THE SAME TIME THE IMPROVEMENT PERMIT IS ISSUED.

Authorized Agent Signature Kim Garrett, REHS

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000 Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

Septic System Pre-Construction Meeting Checklist

File # 114336 App# 13234 Tax Parcel# 4011-231-12

Property Owner: James & Patricia Spencer

Job Location Address: 12406 mayes Rd

City: Huntersville State: NC Zip Code: 28078

1. Does System design match facility, flow & wastewater characteristics?

   ☒ YES ☐ NO

   Comments:

2. Is there sufficient available space for the septic systems initial and repair areas?

   ☒ YES ☐ NO

   Comments:

3. Can the septic system be installed per the permit conditions and drawing on file?

   ☒ YES ☐ NO

   Comments: updated design sent to septic contractor

*If "NO" is checked for any of the above the existing permit may need to be revoked.

Permission is hereby given to ☒ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. **System shall not be installed while soils are in wet condition.**

Kimberly Peets
Authorized Agent

12/14/23
Date

Jarrid Lentz
Others Present

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 11433 B Permit #: 3001 3234 Tax Parcel #: 011-231-12

Property Owner: James & Patricia Spencer

Job Location Address: 12406 mayes Rd

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 12/14/23 Contractor Name: _____

Permitted Design Flow: 360 GPD Liquid Capacity of Dosing Tank: n/a gallons

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufacture Shoaf Effluent Pump Model: n/a

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 302 feet

# of Lines: 3 @ varying lengths feet

Depth of Media: 12 inches (Type) chambers

Depth of Cover: 18 inches

Distribution Device: end caps

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: >10 feet

Distance from Property Line: >10 feet

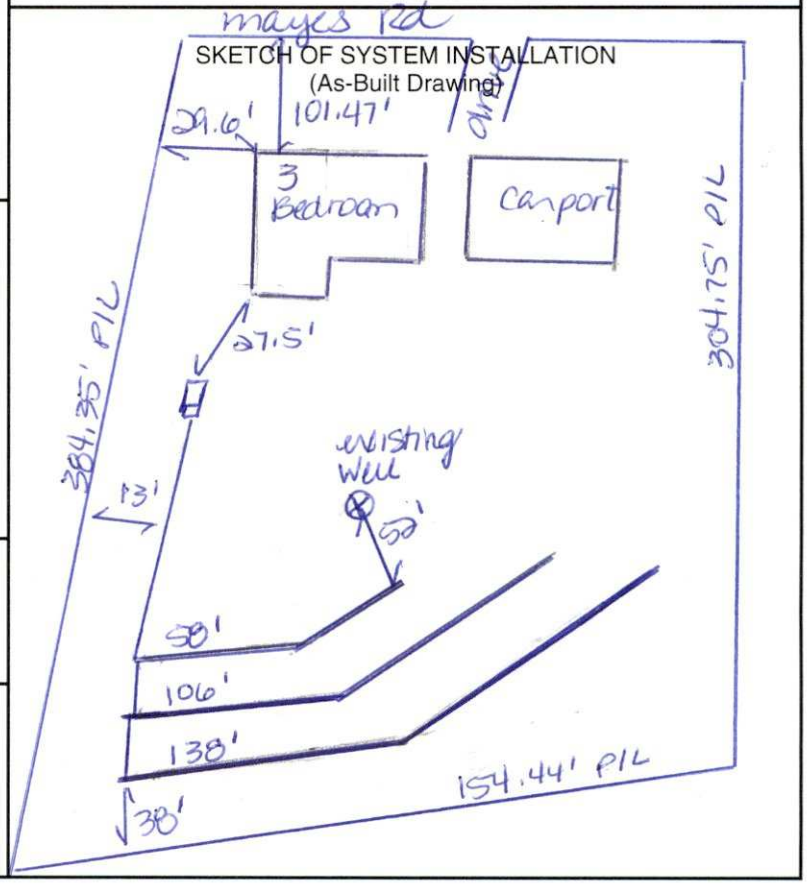
Distance from Water Supply Source: >50 feet

Inspection Dates

Tank(s) Inspected: 12/14/23

Excavation Inspected: 12/14/23

Pump & Controls Inspected: n/a



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: IIIg, gravity, Cthm 36, n/a, n/a

DENR Authorized Agent: Kim Garrett, REHS Signature: Kim Garrett, REHS

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
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NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 114336 Permit #: 30013334 Tax Parcel #: 011-231-12

Property Owner: James & Patricia Spencer

Job Location Address: 12406 mayes Rd

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☒ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: Kim Garrett, REHS Date: 12/14/23

Signature: Kim Garrett, REHS