SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

☒ NEW SEPTIC ☐ REPAIR ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐ ALTERATION

File Number: 11634 B

Assigned Inspector: Braedon S.

☒ IP $250.00: MO 3/17/23 Initial/Date

☐ IP Commercial $450.00: _____ Initial/Date

☑ CA & OP $400.00: BH 4/24/23 Initial/Date

☐ Alteration Fees $300: _____ Initial/Date

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

☐ Use Existing Fees $100.00: _____ Initial/Date

☐ Use Existing Approved ☐ Use Existing Denied

☒ Send IP permit for signature: Sent 4/20/23 MO ☑ Signature received: [signature]

☒ Floor plans reviewed

☒ Generate CA ☒ Approve as Noted in Winchester

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

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

☐ Certified operator contract is on file: _____

☒ Septic file complete: 5/29/24

☐ Release final hold in Winchester: _____

Comments:

Please release Occupancy Hold.

Edit Response | Delete Response | Manage Permissions | Workflows | Alert Me

GWS File #:	11634B
WASPS App #:	13724
Primary ES assigned to project:	Braedon Shelton
Secondary ES assigned to project:	
Project Type:	New System
Site Evaluation Information: .1939(a)(1) - Topography and Landscape Position Recorded?	Yes
Site Evaluation Information: .1940(a-g) - Slope % Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Texture Class Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Structure Type Recorded?	Yes
Site Evaluation Information: .1939 (a)(2) - Consistence Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Mineralogy Recorded?	Yes
Site Evaluation Information: .1939(a)(3) - Soil Wetness Condition Recorded?	Yes
Site Evaluation Information: .1939(a)(4) - Soil Depth to Rock or Parent Material Recorded when Encountered?	Yes
Site Evaluation Information: .1939(a)(5) - Depth to Restrictive Horizons Recorded when Encountered?	Yes
Site Evaluation Information: .1939(a)(6) - Sufficient Available Space Recorded?	Yes
Site Evaluation Information: .1937(m) - Are the Profile Locations Shown?	Yes
Site Evaluation Information: .1939(a) - Are the S/PS Profiles in system & in repair area?	Yes
Site Evaluation Information: .1939(d), .1955, .1956, .1957 - LTAR	Yes
Improvement Permit/Construction Authorization: .1937(g), 130A-336(a) - Proposed System Type stated - Initial	Yes
Improvement Permit/Construction Authorization: .1945(b) - Proposed System Type stated - Repair	Yes
Improvement Permit/Construction Authorization: 130A-336(a)(3) - System location identifiable by setbacks - Initial	Yes
Improvement Permit/Construction Authorization: .1937(g), .1945(b) - System components shown - Initial	Yes
Information Permit/Construction Authorization: .1945(b) - Repair area shown	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Does System design match facility, flow & WW characteristics?	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Is System design consistent with soil/site conditions?	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Is the System located in the approved area?	Yes
Improvement Permit/Construction Authorization: 130A-336(a) - Number of Bedrooms, employees, seats, etc. indicated?	Yes
Improvement Permit/Construction Authorization: .1937 (g) - Trench depth correct?	Yes
Improvement Permit/Construction Authorization: .1937(g) - Trench width correct?	Yes
Improvement Permit/Construction Authorization: .19379(g) - Trench length correct?	Yes
Improvement Permit/Construction Authorization: 130A-336(a)(1) - Proposed/existing well shown?	N/A
Improvement Permit/Construction Authorization: 130A-336(a)(1) - Property line lengths shown?	Yes
Improvement Permit/Construction Authorization:	Yes

130A-336(a) - Facility/appurtenance setbacks shown from fixed points?

Corrections/modifications needed?	No
Comments:	
IA issued date:	
OP Issued date:	
Review performed by:	Michelone
Date performed:	4/5/2023

Created at 4/5/2023 10:02 AM by Michelone, Jeremy
Last modified at 4/5/2023 10:02 AM by Michelone, Jeremy

Close

11634B / 13724

17 MAR '23 PM 1:28

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: 13709629
STREET ADDRESS: 6408 LAKE RD.
CITY: CHARLOTTE
STATE: NC **ZIP:** 28227
SUBDIVISION NAME: WILGROVE FARMS
LOT #: 24-23 **LOT SIZE (acres):** 0.69
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: 1,780
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 3

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: 1 ____ ____ ____ ____

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? 4/9/21 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 4/9/21 ☐ N/A

12. PROPERTY OWNER:

NAME: COTSWOLD HOMES INC
ADDRESS: 410 CANYON TRL
CITY: CHARLOTTE
STATE: NC ZIP: 28270
WORK PHONE: (704) 661-3766
MOBILE PHONE: (704) 661-3766
FAX: _____
E-MAIL: PAULBOLDT57@GMAIL.COM

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: PAVEL BOLDT
ADDRESS: 410 CANYON TRL
CITY: CHARLOTTE
STATE: NC ZIP: 28270
WORK PHONE: (704) 661-3766
MOBILE PHONE: (704) 661-3766
FAX: _____
E-MAIL: PAULBOLDT57@GMAIL.COM

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

Ortiz-Noga, Manuela

From: Paul Boldt <paulboldt57@gmail.com>
Sent: Friday, March 17, 2023 12:38 PM
To: WellReg
Subject: [External]Soil Test Application BOLDT
Attachments: 6408 Lake Rd Future Easement.pdf; Lake Road 6420 6408 Survey.pdf; Residential Permit Application BOLDT.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Lydia, I'm submitting my soil test application for soil test at 6408 Lake Rd., Charlotte NC 28227.

Attached: 6408 Lake Rd. Future Easement and Lake Road 6420 6408 Survey.

Thank you.

Paul Boldt
Cotswold Homes Inc

Phone: 704-661-3766

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.

PB (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.

_____ 3/16/23

Property Owner's or Owner's Legal Representative Signature — 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: _____

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

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

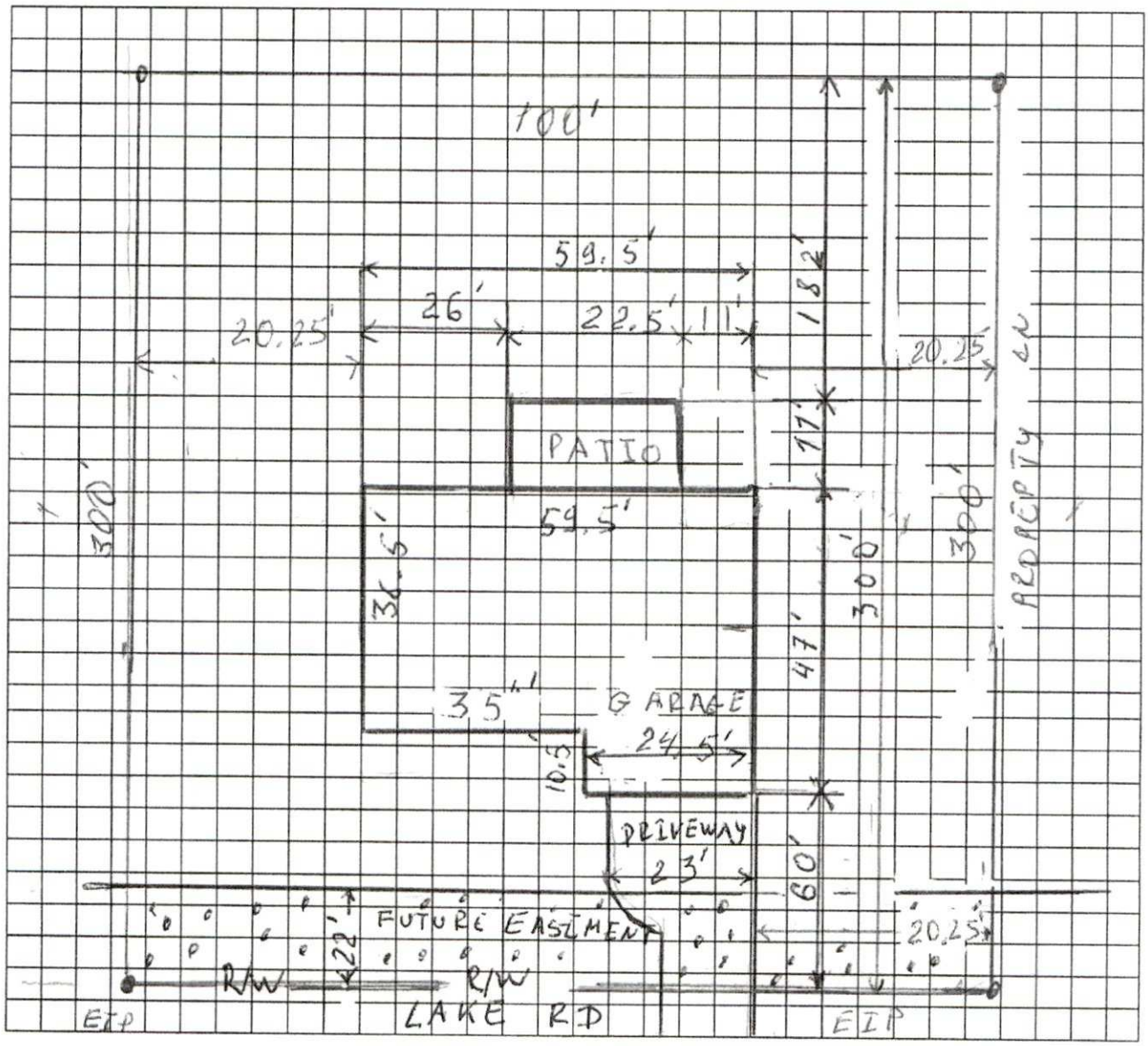
File #: 11634B

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: 6408 LAKE RD. CHARLOTTE NC 28227 Tax Parcel #: 13709629

Subdivision Name: WILLGROVE FARMS Lot #: 24-23



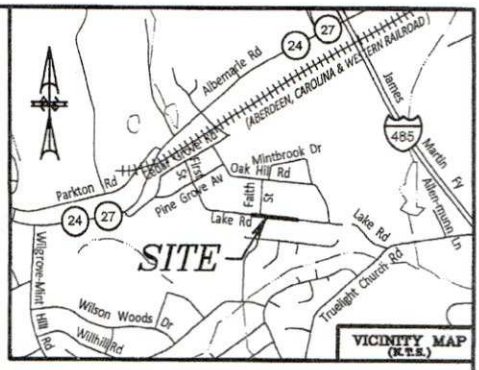
Property Owner's or Owner's Legal Representative Signature

03-16-2023
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

AREA TABLE		
	S.F.	ACRE
TOTAL AREA:	29995.19	0.69
AREA REMAINING:	29995.19	0.69
PERMANENT SEWER EASE:	2298.46	0.05
TEMPORARY CONSTRUCTION EASE:	3497.27	0.08



OAK HILL RD.
CHARLES MARK WITHERS
DEED REF: 32522-517
TAX PARCEL NO.
137-096-27

6521 OAK HILL RD.
CHARLES M. WITHERS
DEED REF: 29435-699
TAX PARCEL NO.
137-096-21

6513 OAK HILL RD.
RONALD E. THEORUX
& VICENTA W. THEORUX
DEED REF: 07206-603
TAX PARCEL NO.
137-096-20

(S82°41'09"E 100.23) S84°08'42"E 100.23

6 6420 LAKE RD.
COTSWOLD HOMES INC.
DEED REF: 35918-851
TAX PARCEL NO.
137-096-28

4 LAKE RD.
GWEN E. CONLEY
& KENZIE G. CONLEY
DEED REF: 05508-120
TAX PARCEL NO.
137-096-05

N05°45'15"E 242.61
N05°46'15"E 298.92 (TOTAL)
(N07°17'00"E 300.28)
S05°49'59"W 299.84 (TOTAL)
S05°49'59"W 242.44
(S07°19'41"W 300.23)

5 6408 LAKE RD.
COTSWOLD HOMES INC
DEED REF: 35918-851
TAX PARCEL NO.
137-096-29

3 6400 LA
ROGER L. J
& BRENDA K.
DEED REF:
TAX PARC
137-05

NC GRID NAD 83/2007
CLTW

House

Shed

S85°16'54"E 75.02
S81°06'44"E 24.92
TEMPORARY CONSTR. EASEMENT
N05°45'15"E 35.01
S05°49'59"W 35.05
S85°16'54"E 74.38
S81°06'44"E 25.52
N05°45'15"E 10.00
N05°45'15"E 12.30
N85°16'54"W 71.79
N81°06'44"W 23.28
S05°49'59"W 10.01
EIP
(N82°43'00"W 100.00)
R/W
N84°11'17"W 99.82
CP
EIP
EIP
S06°49'59"W 12.34
PERMANENT SEWER EASEMENT
LAKE ROAD
SR #2470
R/W
R/W

TIE LINE: N05°49'59"E
DIST: 12.34' TO CP
TIE LINE: N56°02'24"W
DIST: 29.09' TO PROP. MH
EIP/NC GRID: '83/2007
N: 535248.15
E: 1506075.59

NOTE: Property corners shown circled were located by actual survey. All distances are measured horizontal distances unless otherwise noted.

Bearing and distance shown in ( ) parentheses are based on record deed information. Those not in parentheses ( ) are project information.

Bearing are based on:
NAD 83 (2007)

This map was prepared for the purpose of right-of-way or easement acquisition only, and is not intended to be a boundary survey of the property shown.

I, Geo. Lyle Pace, certify that this map was drawn under my supervision from an actual field survey made by the Charlotte-Mecklenburg Utility Department.

NORTH CAROLINA PROFESSIONAL SEAL GEO. LYLE PACE

5/5/22
N. C. Professional Land Surveyor L-3220

The surveyor's signature and seal must be in green to be original. If the signature and seal are not in green, this map is a copy that may be altered to contain unauthorized alterations.

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, _____, REVIEW OFFICER OF MECKLENBURG COUNTY, CERTIFY THAT THIS MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED, MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

REVIEW OFFICER _____ DATE _____

TYPICAL PROJECT LEGEND

- MON - R/W MONUMENT
- EIP - EXISTING IRON PIN
- N/F NOW OR FORMERLY
- COMPUTED POINT (CP)
- TEMPORARY CONSTRUCTION EASEMENT
- PERMANENT SEWER EASEMENT
- R/W RIGHT-OF-WAY
- PROPERTY LINE
- PERM. SEWER EASE.
- TEMP. CONSTR. EASE.
- EXIST. EASEMENT

50' 0 50' 100'
HORIZONTAL SCALE 1" = 50'

811 Know what's below. Call before you dig.

CHARLOTTE WATER
CHARLOTTE, NORTH CAROLINA

DNC-40-21-161 353-
Job No. File No.

Scales
PLAN 1" = 50'
PROFILE Hor. N/A
Vert. N/A

As Built Date

8" SANITARY SEWER
TO SERVE
6428 LAKE ROAD

PROPERTY OF
COTSWOLD HOMES INC.
MINT HILL, MECKLENBURG CO., NC

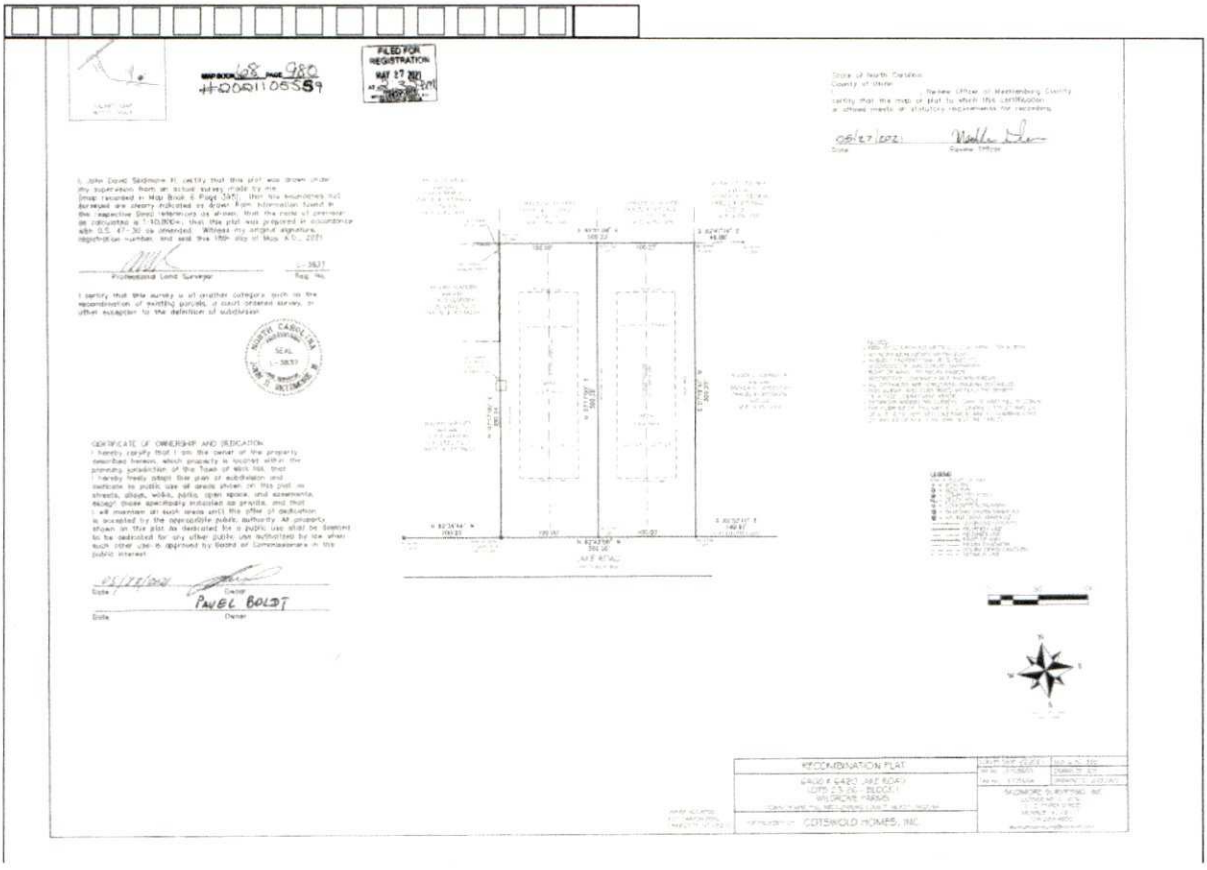
No.	Date	By	Revision

CLM	AR	GLP	5		Sheet 1	Of 1
Drawn By	Checked By	Survey Supervisor		Date		

Click checkbox to select page(s) for printing.

☐ 1 of 2

☐ 2 of 2



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/17/23	**Amount:**	250.00
Receipt #:	141612	**Tendered:**	250.00
Check / Auth #:	MC 85159Z	**Returned:**	0.00
Received By:	ORTIZMP		

Account Information

Account #: 200000
Contractor: BOLDT, PAVEL
Attn:
Address:
Address:
City/State/Zip: ,

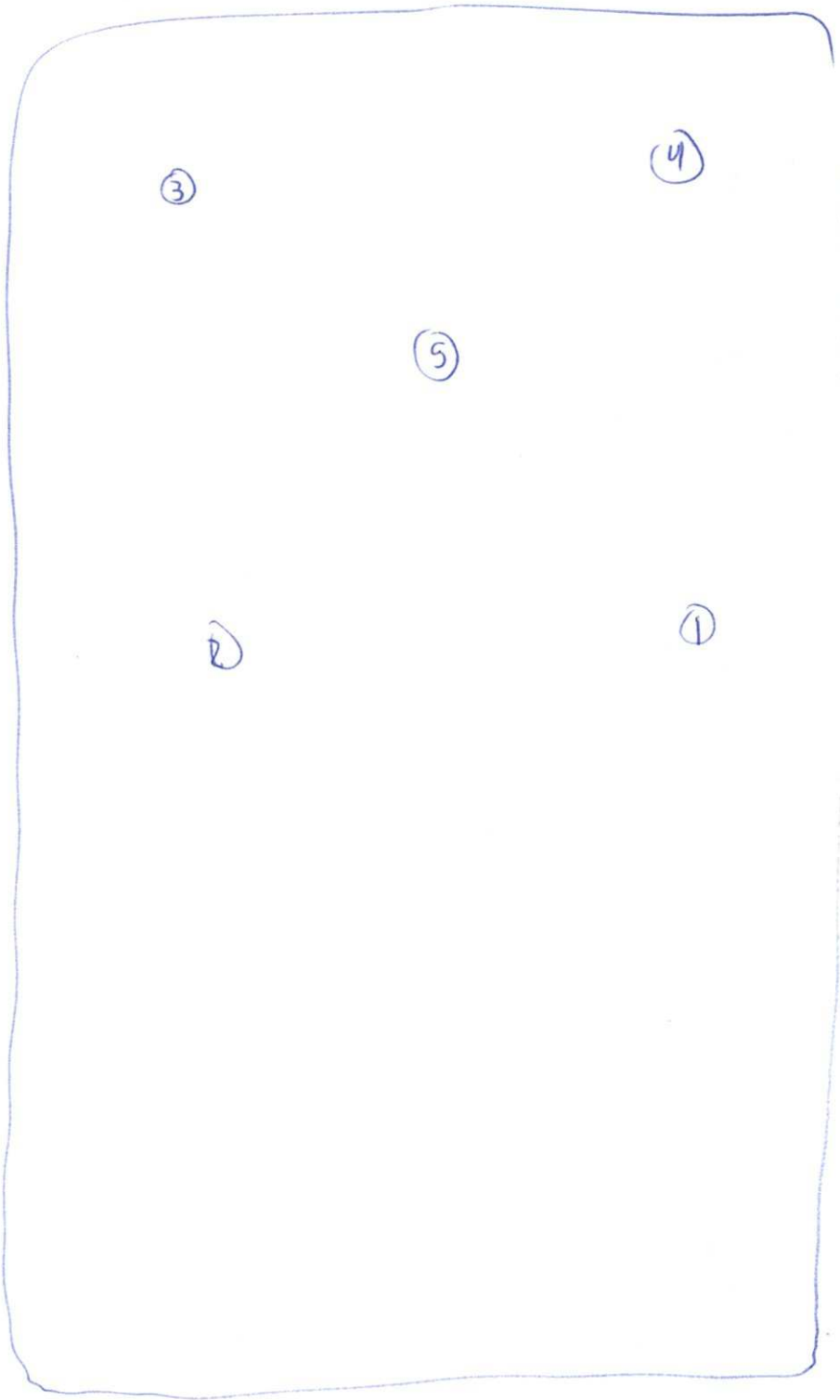
Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 6408 LAKE RD		1	250.00	250.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
305.00					

3/30/23

3 Bedroom



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

Sheet: 1 of 3
Property ID: 137 096 29
Lot #: 23+24
File # 11654 B
AppID: 13724

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Cotswald Homes
Address: 6408 Lake Rd
Facility: 3 Bedroom House
Location of Site: 6408 Lake Rd
Water Supply:
Evaluation Method: [x] Auger Boring [] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Design Flow (.1949): 360

Applicant: owner
Date Evaluated: 3/30/23
Property Size: 0.69
Property Recorded: —
[ ] Spring [X] Municipal
[ ] Cut
[ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 Structure/ Texture	SOIL MORPHOLOGY .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
Auger #1	L 3%	0-36"	wblk, C	fi, S, P, SExP	7.5YR 7/1 36"	≥36"	NA	NA	7.5YR 7/3 -7/4 mottles begin around 30" 7/2 at 36"	IV PS .275	24"
Auger #2	L 2%	0-5"	wblk, Cl	fr, SS, SP, SExP	7.5YR 7/1 36"	≥36"	NA	NA	7.5YR 7/3-7/4 begin around 30" 7/2 begins at 36"		24"
		5-36"	wblk, C	fi, S, P, SExP							
#3	L 2%	0-15"	wblk, Cl	fr, SS, SP, SExP	—	≥48"	IIA	NA		IV PS .3	36"
		15-48"	wblk, C	fi, S, P, SExP							
#4	L 3%	0-12"	wblk, Cl	fr, SS, SP, SExP	—	≥48"	NA	NA		IV PS .3	36"
		12-48"	wblk, C	fi, S, P, SExP							
#5	L 2%	0-6"	wblk, Cl	fr, SS, SP, SExP	7.5YR 7/2 39"	≥39"	PS	NA	7.5YR 7/3-7/4 mottles begin around 28" 7/2 mottles at 39"	IV PS .275	26"
		6-39"	wblk, C	fi, S, P, SExP							
							US	NA			

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III bg	III bg
Site LTAR (gpd/sq ft)	.275	.275

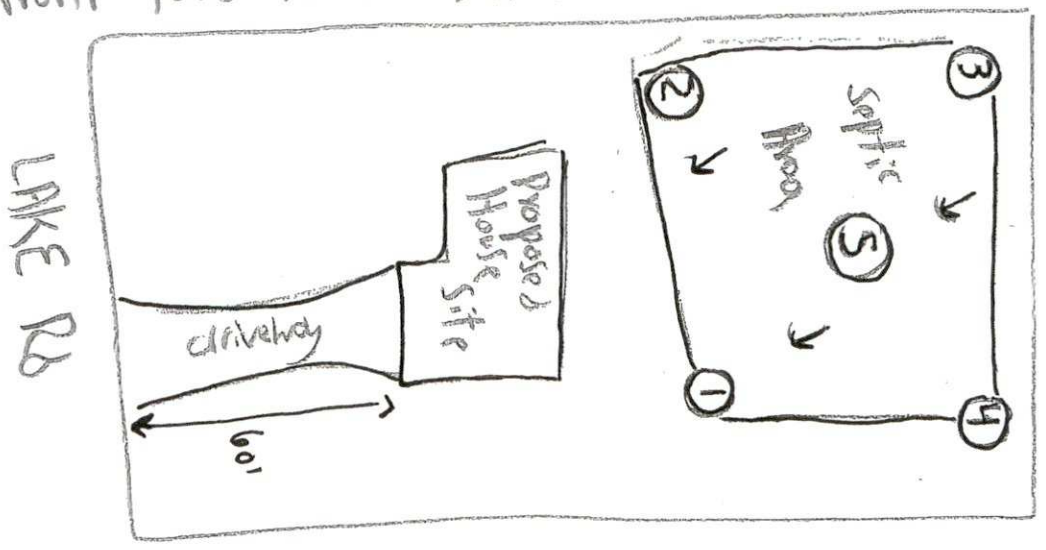
Other Factors (.1946):
Soil Evaluation By: Braedon Shelton
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Braedon Shelton
Others Present:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	sg-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		mass-Massive
LS-Linear Slope				cr-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	gr-Granular
NS-Nose Slope		L-Loam		sbk-Subangular Blocky
HS-Head Slope				abk-Angular Blocky
CC-Concave Slope	III	Si-Silt	0.6 - 0.3	pl-Platy
CV-Convex Slope		SiCL-Silty Clay Loam		pr-Prismatic
T-Terrace		CL-Clay Loam		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence	Consistence	Mineralogy
Moist	**Wet**	SEXP-Slightly Expansive
VFR-Very Friable	SS-Slightly Sticky	EXP-Expansive
FR-Friable	S-Sticky	
FI-Firm	VS-Very Sticky	**Classification**
VFI-Very Firm	NP-Non-Plastic	US-Unsuitable
EFI-Extremely Firm	SP-Slightly Plastic	PS-Provisionally Suitable
	P-Plastic	S-Suitable
	VP-Very Plastic	NA-Not Applicable

Sketch of Soil Evaluation Locations

Wooded Lot as of 3/30/23, Property was marked. Including the house site. Not enough space in the front yard. PS area behind house site



FEE: 200.00

DATE: 5/16/2023

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 11634B

PERMIT NUMBER: 30013724

PARCEL NUMBER: 13709629

JOB LOCATION INFORMATION

ADDRESS: 6408 LAKE RD

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28227

ISSUED TO: COTSWORLD HOMES INC

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 5/16/2023

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30013724, 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 Brandi Shutt

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 #: **30013724** GWS File #: **11634B** Tax Parcel #: **137-096-29**

- 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):** 4/4/2028

Type of Installation: Residential - New System Lot Number: 24

Structure Type: HOUSE Size (ft^2): 1780 # Bedrooms: 3 Max. Occup.: 6

Building Foundation: Concrete Slab Water Supply: Municipal

II. Initial System Type: Pump to Accepted **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): .275 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1309 Total Trench Length (ft): 330'

Maximum Trench Depth (in): 24 Depth of Media (in): 12 Distribution Device: Pressure Manifold

III. Repair System Type: PPBPS (gravity) **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): .275 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 655 Total Trench Length (ft): 218

Maximum Trench Depth (in): 26 Depth of Media (in): N/A Distribution Device: Pressure Manifold

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: Braedon Shelton Owner/Legal Agent: _____
Print Name

Signature: Braedon Shelton Signature: _____

Date Issued: 4/4/2023

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

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

Permit #: **30013724** GWS File #: **11634B**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.

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: Braedon Shelton

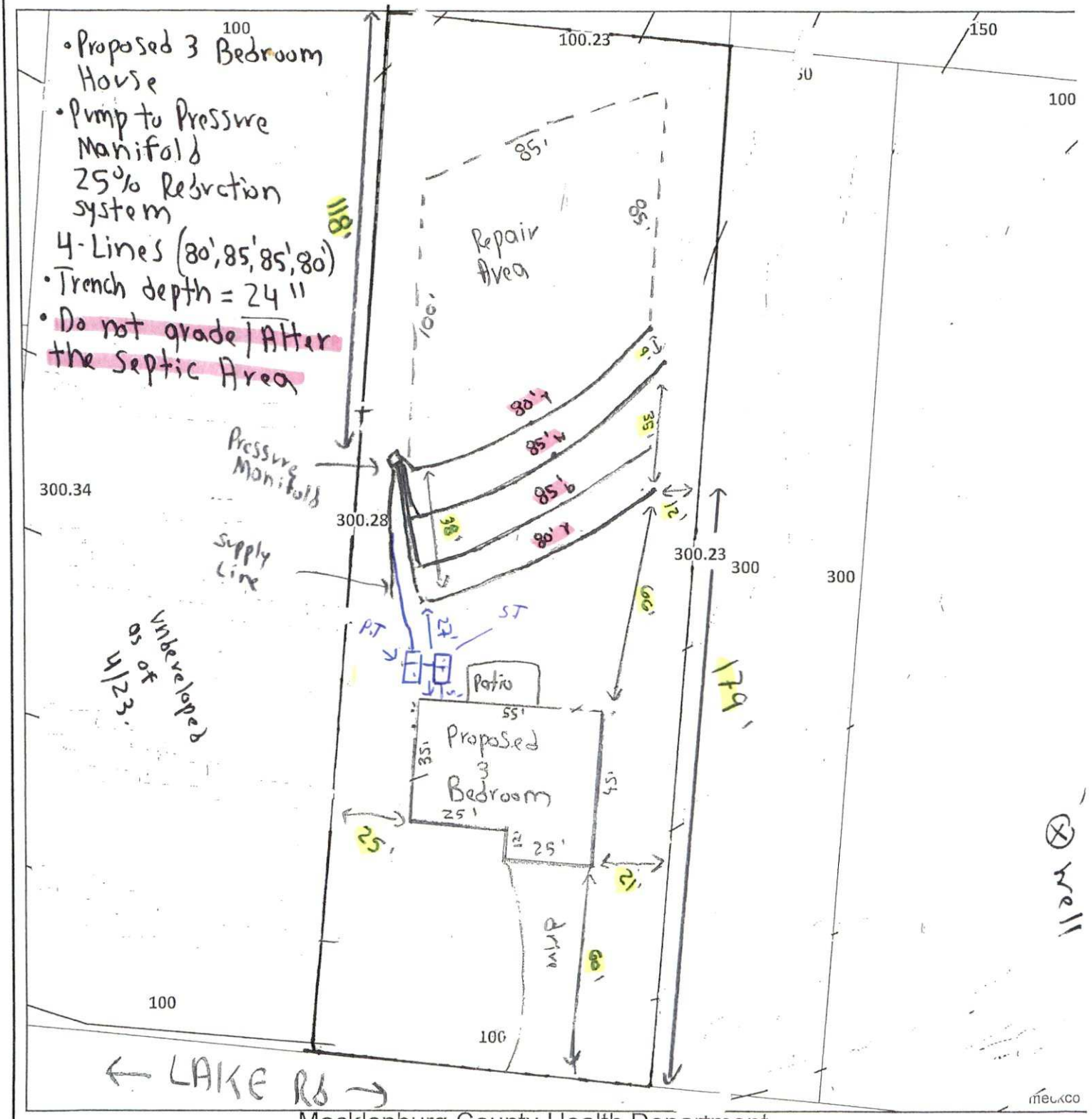
Signature: Braedon Shelton

Date Issued: 4/4/2023

Owner/Legal Agent: _____
Print Name

Signature: _____

On-site Wastewater Improvement Permit Diagram



Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit # 13724
PID #: 137-096-29
File # 11634 B

Amended 4/19/23
BPS (tank location)

Authorized Agent: Braedan Shultas Date: 4/4/23

Owner/ Legal Agent: _____ Date: _____

1 inch = 40 feet

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

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

Permit #: **30013724** GWS File #: **11634B** Tax Parcel #: **137-096-29**

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Maximum Trench Depth (in): 24 Depth of Media (in): 12 Distribution Device: Pressure Manifold

III. Repair System Type: PPBPS (gravity) **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): .275 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 655 Total Trench Length (ft): 218

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IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Braedon Shelton Owner/Legal Agent: Pavel Boldt
Print Name

Signature: Braedon Shelton Signature:

Date Issued: 4/4/2023

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

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

Permit #: **30013724** GWS File #: **11634B**

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- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
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Authorized Agent: Braedon Shelton

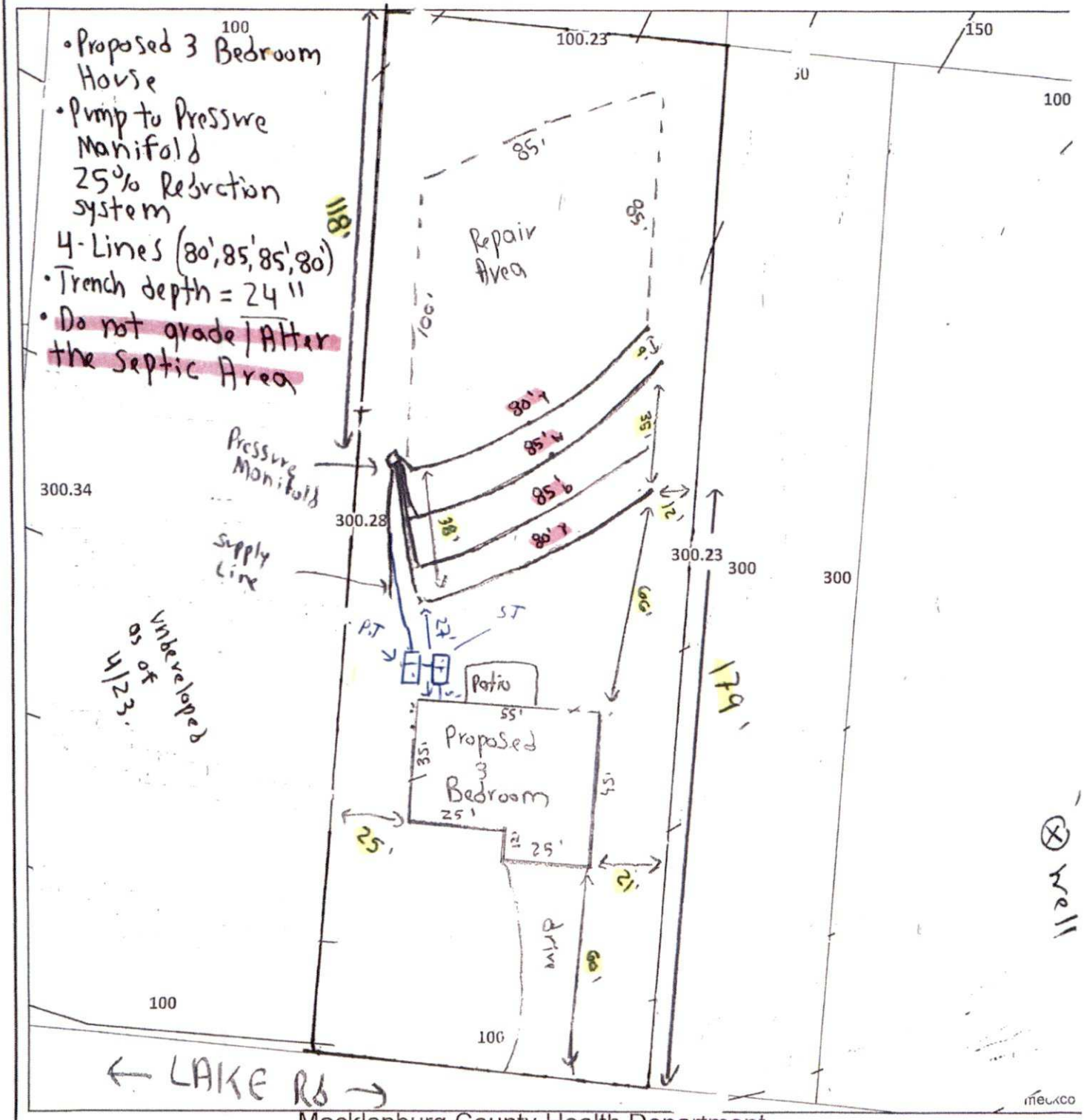
Signature: Braedon Shelton

Date Issued: 4/4/2023

Owner/Legal Agent: Pavel Boldt
Print Name

Signature: _____

On-site Wastewater Improvement Permit Diagram



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 04/24/23
Receipt #: 142221
Check / Auth #: MC 00046Z
Received By: ORTIZMP

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: BOLDT, PAUL
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 6408 LAKE RD		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
305.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 04/24/23
Receipt #: 142222
Check / Auth #: MC 00046Z
Received By: ORTIZMP

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: BOLDT, PAUL
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 6408 LAKE RD		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
305.00					

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 # 11634B App# 13724 Tax Parcel# 137 096 29

Property Owner: Cotswald Homes INC

Job Location Address: 6408 Lake Rd

City: Charlotte State: NC Zip Code: 28227

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: _____

*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.**

Braedon Shelton — Authorized Agent

4/19/24 — Date

Lago Vista — Others Present

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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 #: 11634B Permit #: 13724 Tax Parcel #: 137-096-29

Property Owner: Cotshald Homes INC

Job Location Address: 6408 Lake Rd

City: Charlotte State: NC Zip Code: 28227

Operation Permit Issuance Date: 5/23/24 Contractor Name: Lago Vista

Permitted Design Flow: 360 GPD Liquid Capacity of Dosing Tank: 1000 gallons Liberty

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufacture Shoaf Effluent Pump Model: 280

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 330 feet (80',85',85',80')

# of Lines: 4 @ Varies feet Infiltrator

Depth of Media: 12 inches (Type) Quick-4

Depth of Cover: ≥6 inches

Distribution Device: Pressure Manifold

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

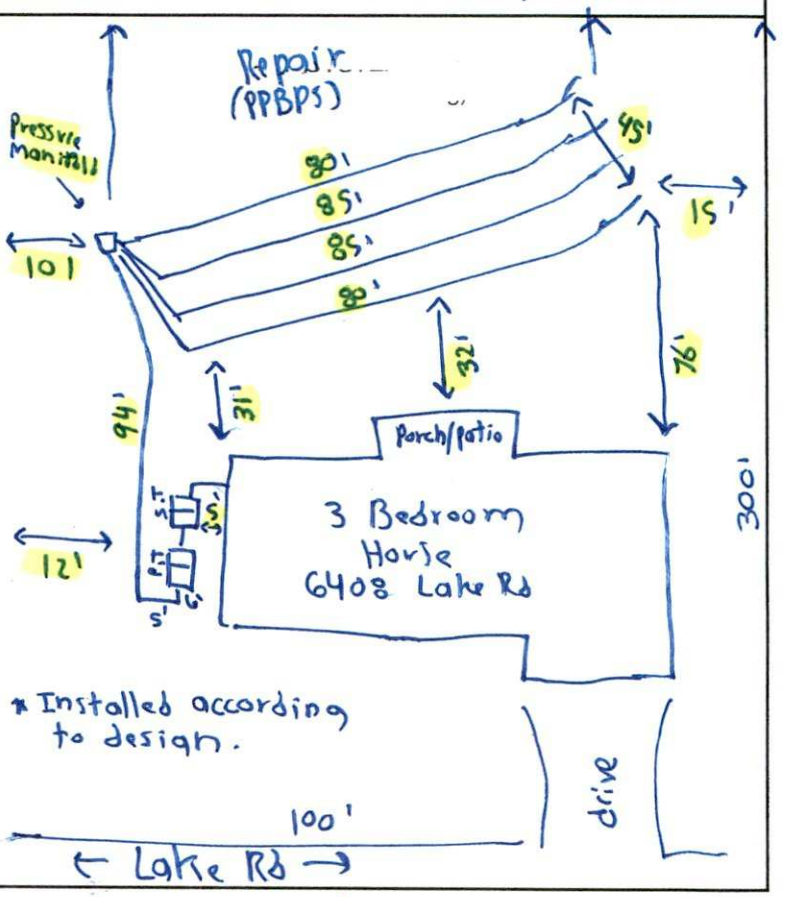
Distance from Building Foundation: ≥5 feet

Distance from Property Line: ≥10 feet

Distance from Water Supply Source: ≥10 feet

Inspection Dates

Tank(s) Inspected:	5/21/24
Excavation Inspected:	5/21/24
Pump & Controls Inspected:	5/21/24



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: IIIB, CHM-36/9/N/A/N/A 3-Bedroom

pump to Pressure Manifold 25% Reduction System

DENR Authorized Agent: Braedon Shelton Signature: Braedon Shelton

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 #: 11634B Permit #: 13724 Tax Parcel #: 137-096-29

Property Owner: Cotswald Homes INC

Job Location Address: 6408 Lake Rd

City: Charlotte State: NC Zip Code: 28227

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: IIIbg / CHM-36

*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.

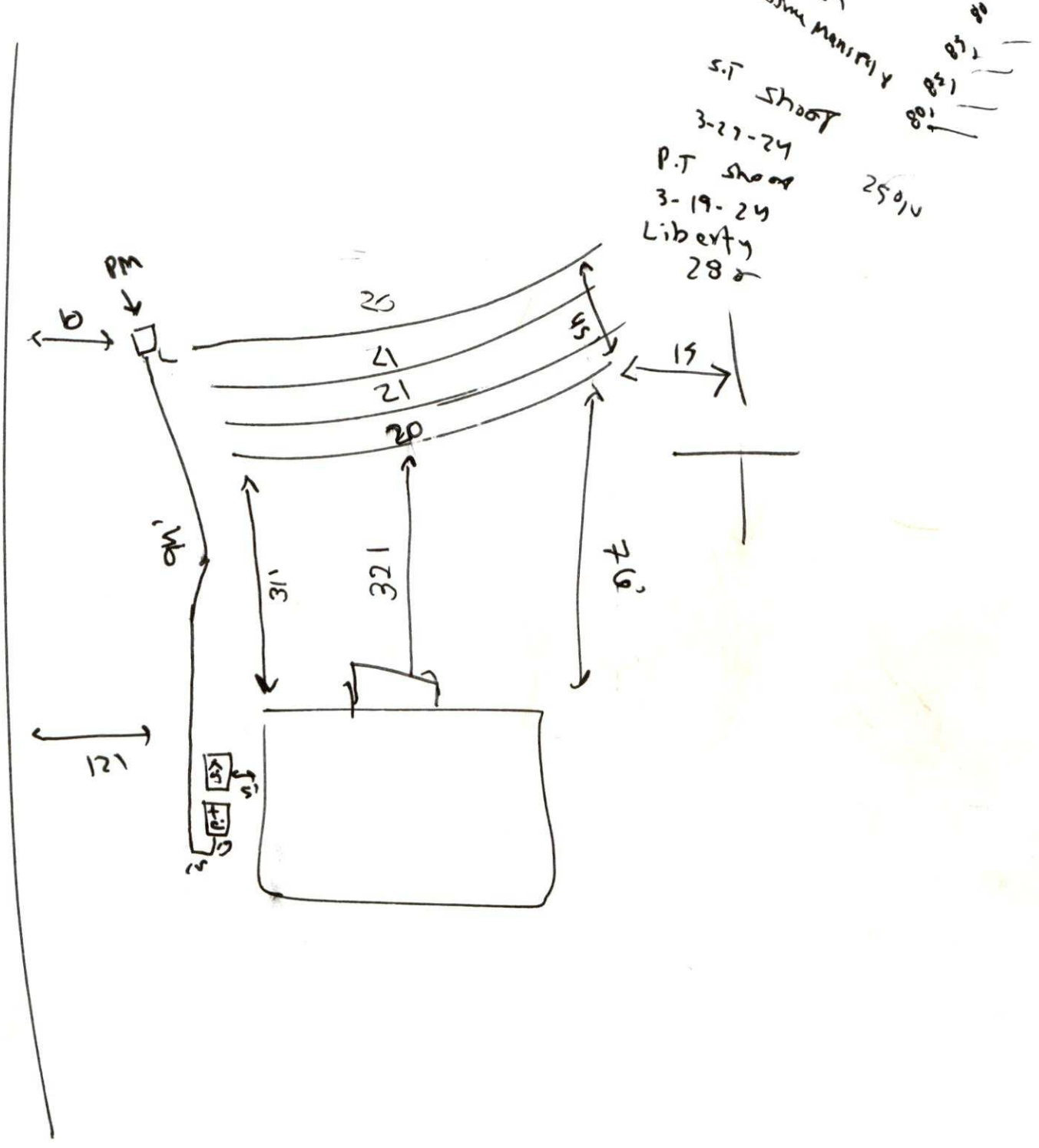
V. Other:

3-Bedroom System
25% Reduction (pump)

DENR Authorized Agent: Braedon Shelton Date: 5/21/24

Signature: Braedon Shelton

depth 5/21/24


PM
10
25
41
21
20
15
15
90'
31'
321'
70'
121
Pressure Monitor
S.T Shoot
3-27-24
P.T Shoot
3-19-24
Liberty
28
250'

COMMENTS:

FILE #:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	