SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

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

File Number: 12188B

Assigned Inspector: Patrick - Brandon

☑ IP $250.00: JBD 3/26/25 Initial/Date

☐ IP Commercial $450.00: _____ Initial/Date

☑ CA & OP $400.00: JH 4/30/25 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: 3/28/25 ☑ Signature received: BH 3/28/25

☑ 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: 5/12/25

☑ Release final hold in Winchester: _____

Comments:

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	04/30/25	**Amount:**	200.00
Receipt #:	154922	**Tendered:**	200.00
Check / Auth #:	DISCOVER 0	**Returned:**	0.00
Received By:	MOORES		

Account Information

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

Item	Description	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 10721 WALKER FERRY	1	200.00	200.00

Permit#

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

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	04/30/25	**Amount:**	200.00
Receipt #:	154921	**Tendered:**	200.00
Check / Auth #:	DISCOVER 0	**Returned:**	0.00
Received By:	MOORES		

Account Information

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

Item	Description	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 10721 WALKERS FERRY	1	200.00	200.00

Permit#

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

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 03/06/25
Receipt #: 154129
Check / Auth #: CASH
Received By: ALVARJS

Amount: 250.00
Tendered: 250.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: CECILIO RODAS
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 10721 WALKERS FERRY	1	250.00	250.00

Permit#

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
			507.50	3,317.50	

FEE: 200.00

DATE: 4/30/2025

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 12188B

PERMIT NUMBER: 30015327

PARCEL NUMBER: 11325122

JOB LOCATION INFORMATION

ADDRESS: 10721 WALKERS FERRY RD

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28208

ISSUED TO: DANNY AND JUSTN HUTCHINSON

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 4/30/2025

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30015327, 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 Brad Shot

121880 / 15327

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: 11325122
STREET ADDRESS: 10721Walkers Ferry
CITY: Charlotte
STATE: NC ZIP: 28208
SUBDIVISION NAME:
LOT #: 9 LOT SIZE (acres): 1.93
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: 3,000
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 8
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: ____ ____ ____ ____ ____

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

HAS 811 BEEN CONTACTED AND IDENTIFIED ANY UNDERGROUND UTILITIES ON THE PROPERTY IF YES, ○ YES ◉ NO
PLEASE LIST TICKET REFERENCE NUMBER: _____ VISIT BY DATE: _____

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____ ☑ UNKNOWN

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

12. PROPERTY OWNER:

NAME: Danny and Justin Hutchinson
ADDRESS: 10700 Hadlow Ct
CITY: Charlotte
STATE: NC ZIP: 28278
WORK PHONE:
MOBILE PHONE: (704) 996-1791
FAX:
E-MAIL: cecilio@ty-bar.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

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

NAME: Scott Kennedy - Michael Athanas and Associates
ADDRESS: 576 Walden Trail
CITY: Weddington
STATE: NC ZIP: 28173
WORK PHONE:
MOBILE PHONE: (803) 493-1425
FAX:
E-MAIL: scott@michaelathanas.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Drive, Suite 8000, Charlotte, NC 28208
OFFICE: 980-314-1680, FAX: 704-336-6894 Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

14. SEPTIC SYSTEM PERMIT APPLICATION:

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. **I understand that if the information in the application is falsified, changed, or the site is altered, then the Improvement Permit and/or Construction Authorization shall be invalid. I understand that the permit is valid for either 60 months or without expiration depending upon documentation submitted. (complete site plan = 60 months; complete plat = without expiration)**

DH (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.

Dana Hutchins
Property Owner's or Owner's Legal Representative Signature

3-4-25
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
3205 Freedom Drive, Suite 8000, Charlotte, NC 28208
OFFICE: 980-314-1680, FAX: 704-336-6894 Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

File #: _____

PROPOSED PLOT PLAN

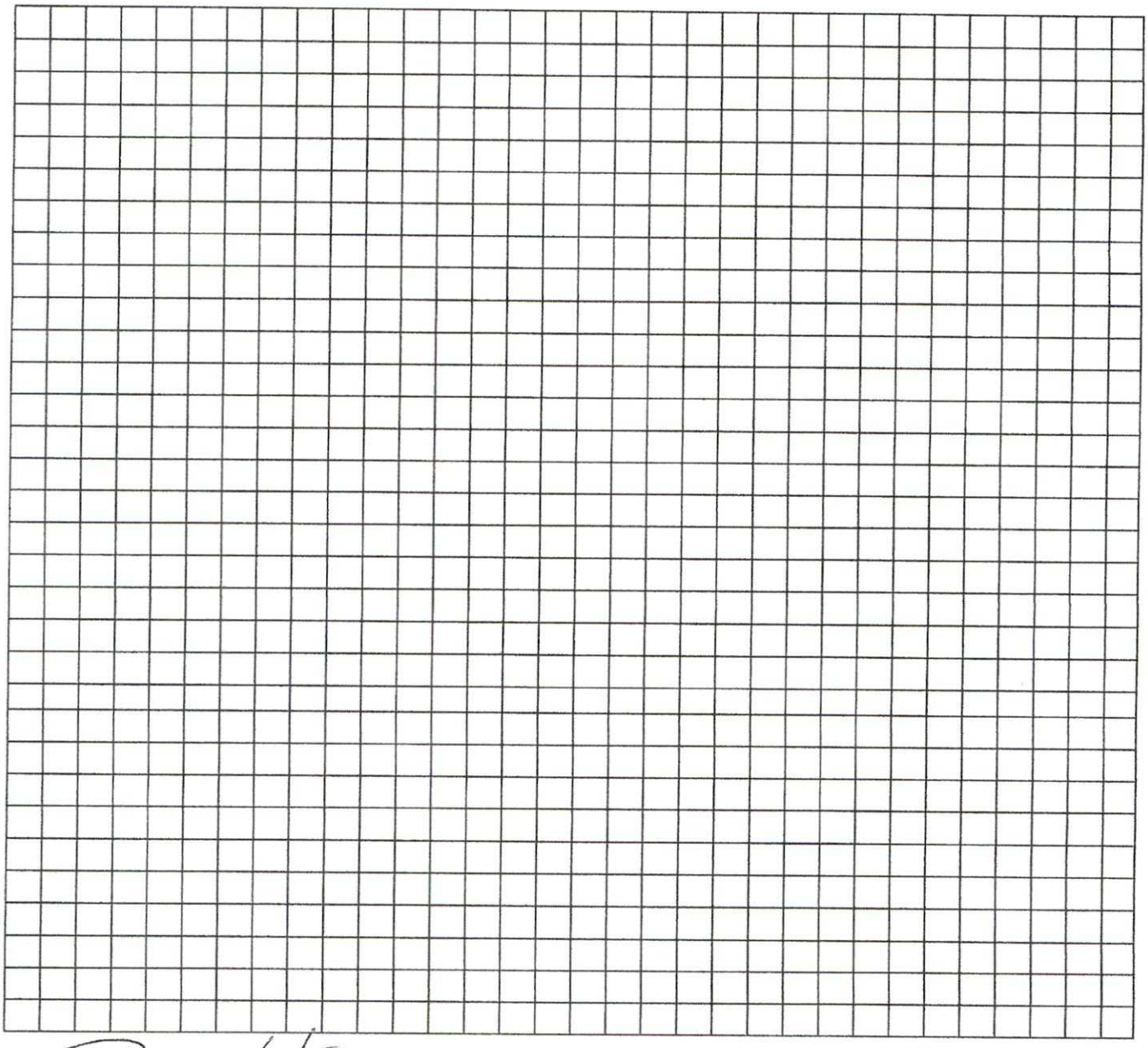
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), 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: 10721 Walkers Ferry Road

Tax Parcel #: 11325122

Subdivision Name: _____

Lot #: 9



Property Owner's or Owner's Legal Representative Signature

3-4-25
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
3205 Freedom Drive, Suite 8000, Charlotte, NC 28208
OFFICE: 980-314-1680, FAX: 704-336-6894 Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

MECKLENBURG COUNTY
Health Department

Gibbie Harris, MSPH, BSN
Director

(980) 314-9020

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 Michael Athanas and Associates is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

   10721 Walkers Ferry Road Charlotte
   Number Street Town
   (Or Parcel Number)

Danny and Justin Hutchinson
Property Owner (print name)

Property Owner (signature)

2-4-25
Date

Department of Health and Human Services
Environmental Health Section
On-site Water Protection Branch

Property ID: 11325122
Lot #: 9
File #: 15327
AppID: 12188B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Danny & Justin Hutchinson
Applicant: Same
Address: 10721 Walkers Ferry Rd.
Date Evaluated: 3/20/2025
Proposed Facility: 4 BR
Design Flow (.0400): 480 GPD
Property Size: 1.93 ac.
Location of Site: See file
Property Recorded: After Jan. 1, 1983
Water Supply: [ ] Public [X] Single Family Well [ ] Spring [ ] Other:
Evaluation Method [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Domestic [ ] Industrial Process [ ] High Strength

PROFILE #	.0502 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .0503 Structure/ Texture	SOIL MORPHOLOGY .0503 Consistence/ Mineralogy	PROFILE FACTORS Matrix Soil Color	PROFILE FACTORS .0504 Soil Wetness/ Color	PROFILE FACTORS .0505 Soil Depth (IN.)	PROFILE FACTORS .0506 Sapro Class	PROFILE FACTORS .0507 Restr Horiz	General Comments / Other	0.0509 Profile Class & LTAR	0.0502 Slope Correction *(Low Side of trench)*
1	L ~9%	0 - 8	Suspect fill	CL-C fill soil	R	N/A	44"	S L Sap.	N/A	C-M: Sap. inclus. @ 29-44"	S 0.30	- 3"
		8 - 29	Mo, Sbk, C	Fr, S, P, SE	R							
		29 - 44	Wk, Sbk, CL	Fr, SS, SP	R							
		44 - 52	M, L Sap.	Fr, SS, NP	M							
2	L ~9%	0 - 6	Suspect fill	CL-C fill soil	R	N/A	NE	N/A	N/A	Boring to check for depth of fill only. C-M: Mica flakes @ 6"+ C: Sap. inclus. @ 18"+	S 0.30	- 3"
		6 - 18	Mo, Sbk, C	Fr, S, P, SE	R							
		18 - 30	Wk, Sbk, CL	Fr, SS, SP	R							
		30	Boring terminated									
3	L ~8%	0 - 7	Suspect fill	CL-C fill soil	R	N/A	50"	S L Sap.	N/A	F-C: Sap. inclus. @ 25-36"	S 0.30	- 3"
		7 - 25	Mo, Sbk, C	Fr, S, P, SE	R							
		25 - 36	Wk, Sbk, CL	Fr, SS, SP	R							
		36 - 52	Wk, Sbk, CL & Sap. Mix	Fr, SS, SP	R							
4	L ~9%	0 - 3	Suspect fill	CL-C fill soil	R	N/A	NE	N/A	N/A	Boring to check for depth of fill only F: Sap. inclus. @ 26"+	S 0.30	- 3"
		3 - 26	Mo, Sbk, C	Fr, S, P, SE	R							
		26 - 31	Mo, Sbk, CL	Fr, SS, SP	R							
		31	Boring terminated									
5	L ~9%	0 - 5	Mo, Gr, L	VFr, SS, NP	B	N/A	44"	S L Sap.	N/A	C-M: Sap. inclus. @ 31-44" C: CL soil inclus. @ 44-48"	S 0.30	- 3"
		5 - 31	Mo, Sbk, C	Fr, S, P, SE	R							
		31 - 44	Mo, Sbk, CL	Fr, SS, SP	R							
		44 - 50	M, L Sap.	Fr, SS, SP	R							

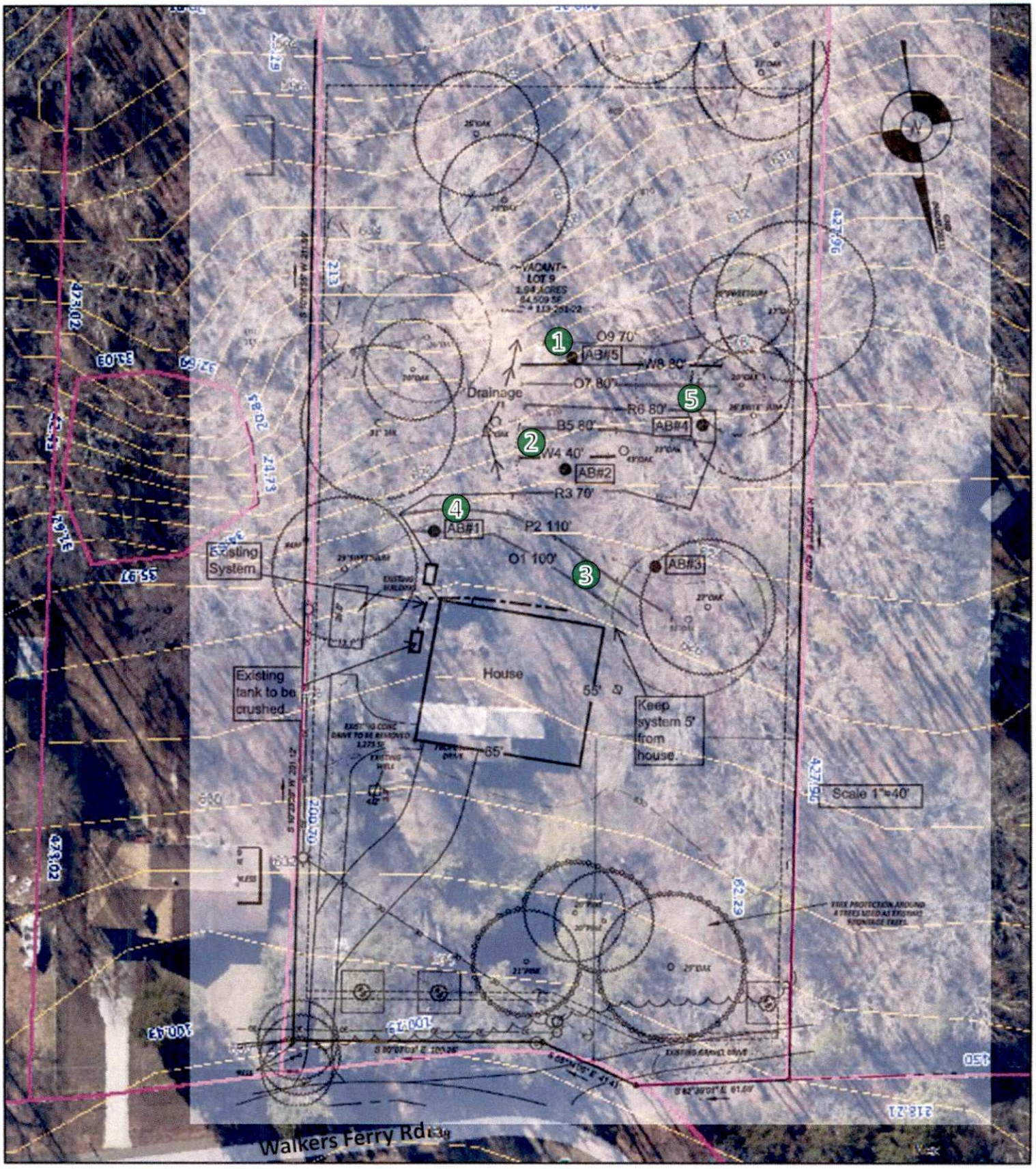
Description	Initial System	Repair System
Available Space (.0508)		
System Type(s)		
Site LTAR	0.30	0.30
Maximum Trench Depth (low side of trench)	29"	29"

Soil Evaluation By: P. Mitchell, REHS, LSS
Soil Classification (.0502 - .0507): S
Other(s) Present: G. Rutledge, REHS & Scott Kennedy
Site Classification (.0509):

COMMENTS: See consultants soil notes and layout for location of existing system and proposed system.
Recommend using a 24"+ trench bottom depth to ensure system well below fill depth.

Soil & Site Evaluation Map

Overlaid System Design Layout & Soil Borings
by Michael Athanas and Associates



Map Created by: P. Mitchell
Date: 3/20/2025

PROPERTY INFO
Address: 10721 Walkers Ferry Rd.
PID No.: 11325122

1 inch = 50 feet

Mecklenburg County
Groundwater & Wastewater Services

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

PROPERTY ID #: 11325122; 10721 Walkers Ferry Road; Lot 9
COUNTY: Mecklenburg

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Danny and Justin Hutchinson DATE EVALUATED: 2/2025
ADDRESS: 10700 Hadlow Ct Charlotte, NC 28278
PROPOSED FACILITY: 4-Bedroom House PROPOSED DESIGN FLOW (.0400): 480 gpd PROPERTY SIZE: 1.93 Acres
LOCATION OF SITE: 10721 Walkers Ferry Road Charlotte, NC PROPERTY RECORDED: Unknown
WATER SUPPLY: ☐ Public Ξ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: 50'
EVALUATION METHOD: Ξ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: Ξ 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	OTHER PROFILE FACTORS .0505 SOIL DEPTH	OTHER PROFILE FACTORS .0506 SAPRO CLASS	OTHER PROFILE FACTORS .0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
AB 1	L 7-8%	0"-4"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 26"-48".		0.3+	2"-3"
		4"-26"	R C SBK	SS SP FR SEXP						
		26"-48"	R CL WSBK	SS SP FR SEXP						
AB 2	L 7-8%	0"-4"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 20"-48".		0.3+	2"-3"
		4"-20"	R C SBK	SS SP FR SEXP						
		20"-48"	R CL WSBK	SS SP FR SEXP						
AB 3	L 7-8%	0"-4"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 30"-48".		0.3+	2"-3"
		4"-30"	R C SBK	SS SP FR SEXP						
		30"-48"	R CL WSBK	SS SP FR SEXP						
AB 4	L 7-8%	0"-6"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 32"-48".		0.3+	2"-3"
		6"-32"	R C SBK	SS SP FR SEXP						
		32"-48"	R CL WSBK	SS SP FR SEXP						
AB 5	L 7-8%	0"-6"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 20"-48".		0.3+	2"-3"
		6"-20"	R C SBK	SS SP FR SEXP						
		20"-48"	R CL WSBK	SS SP FR SEXP						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	1290 ft²	542f²
System Type(s)	25% Reduction	PPBPS Vertical Configuration ; 8' Centers
Site LTAR	0.3	0.3
Maximum Trench Depth	36"	36"

SITE CLASSIFICATION (.0509): _____
EVALUATED BY: _____
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

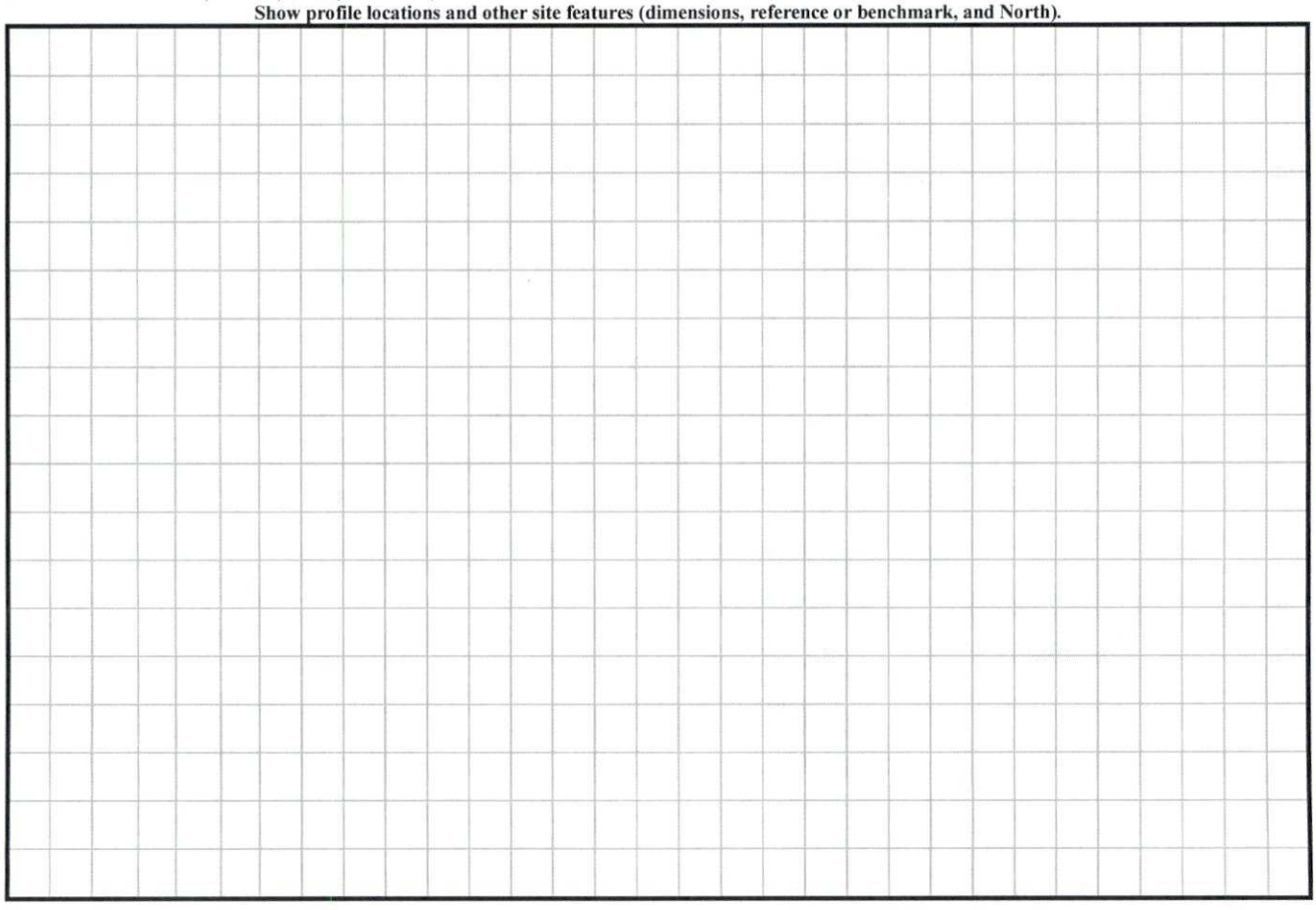
RESTRICTIVE HORIZON Thickness and depth from land surface

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).



MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887

Reference:10721 Walkers Ferry Road; PID 11325122
Lot 9 Berryhill Park
Mecklenburg County, NC

House Footprints: 55' x 65'
House Foundation: Crawl space
Building Setback: 17' Front; 5' Side; 40' Rear
Water Source: Private Well
Proposed # of Bedrooms/Gallons Per Day: 4/480 gpd
Initial System LTAR: 0.3 gpd/ft2
Initial System Type: 25% Reduction
Repair System LTAR: 0.3 gpd/ft2
Repair System Type: PPBPS Vertical Configuration; 8' Centers
Distribution: Gravity with "D" Box or end caps
Septic/Pump tank size: 1000-gallon septic tank
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Orange 1	**100'**	**100'**
Pink 2	**100'**	**110'**
Red 3	**70'**	**70'**
White 4		41'
Blue 5	**80'**	**80'**
Red 6	**80'**	**80'**
Orange 7		80'
White 8		80'
Orange 9		70'

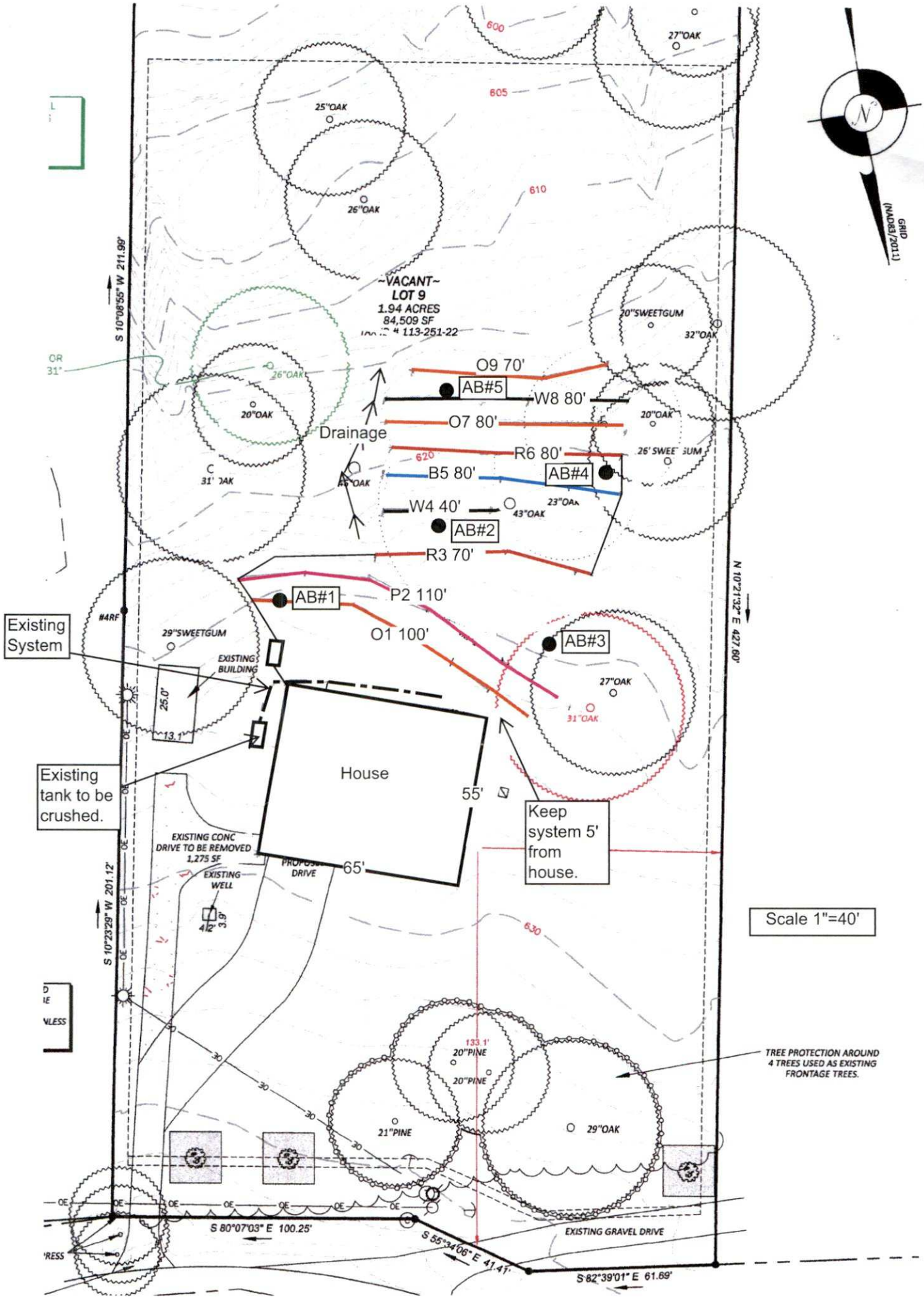
Initial System: 430' 25% Reduction
Repair System: 271'PPBPS Vertical Configuration with 8' Centers

Comments: The purpose of the evaluation is to permit this site for a 4-bedroom residence.

- There is an existing system that is in the way of building the new residence. It has been located onsite with white pin flags. See site plan for location. The existing tank should be crushed and filled in.
- The drainage area located near the septic area should be filled in after installation to prevent any bleed through.
- Keep all parts of the system 50' from the existing well.
- The proposed house is shown with pink pin flags.

Additional Notes for All Installations:

- **The septic area should be fenced off and all vehicular traffic should be kept off of the septic area. Failure to do so will result in the permit being revoked.**
- **No cuts within 15' of the septic area.**
- **All gutters and other surface water should be directed away from the septic area including the septic tank/pump tank location.**
- **Utilities should be buried outside of the septic area.**
- **All setbacks required by the 18E rules should be followed.**
- **MA&A has designed this system for a total of 480 GPD. When the system has reached 80% of this design flow, the system is being maximized. Any additional flow over this design flow may result in the failure of the system.**
- **Any alterations to the proposed site plan should be approved by MA&A and Mecklenburg County. Please note, a new permit may be required for most alterations.**


~VACANT~
LOT 9
1.94 ACRES
84,509 SF
113-251-22
AB#1
AB#2
AB#3
AB#4
AB#5
O9 70'
W8 80'
O7 80'
R6 80'
B5 80'
W4 40'
R3 70'
P2 110'
O1 100'
Drainage
House
55'
65'
Existing System
Existing tank to be crushed.
Keep system 5' from house.
EXISTING BUILDING
EXISTING CONC DRIVE TO BE REMOVED 1,275 SF
EXISTING WELL
EXISTING GRAVEL DRIVE
TREE PROTECTION AROUND 4 TREES USED AS EXISTING FRONTAGE TREES.
Scale 1"=40'
GRID (NAD83/2011)
S 10°08'55" W 211.99'
S 10°23'29" W 201.12'
N 10°21'32" E 427.60'
S 80°07'03" E 100.25'
S 55°34'06" E 41.47'
S 82°39'01" E 61.69'
25"OAK
26"OAK
27"OAK
20"SWEETGUM
32"OAK
20"OAK
29"SWEETGUM
27"OAK
21"PINE
20"PINE
29"OAK
600
605
610
620
630

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 #: 30015327 GWS File #: 12188B Tax Parcel #: 113-251-22

- 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):** 3/27/2030

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

Structure Type: HOUSE Size (ft^2): 3000 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 860 Total Trench Length (ft): 430 '

Maximum Trench Depth (in): ~~36~~ 29" Depth of Media (in): 12 Distribution Device: Serial

III. Repair System Type: PPBPS-V (gravity) **System Classification:** IIIc

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 2 Trench Spacing (ft): 8 Absorption Area (ft^2): 542 Total Trench Length (ft): 271 '

Maximum Trench Depth (in): ~~36~~ 29" 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: 3/27/2025

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 #: **30015327** GWS File #: **12188B**

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- 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.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Finished grade shall provide for positive surface drainage away from all system components – 1/2% grade

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

Authorized Agent: Braedon Shelton

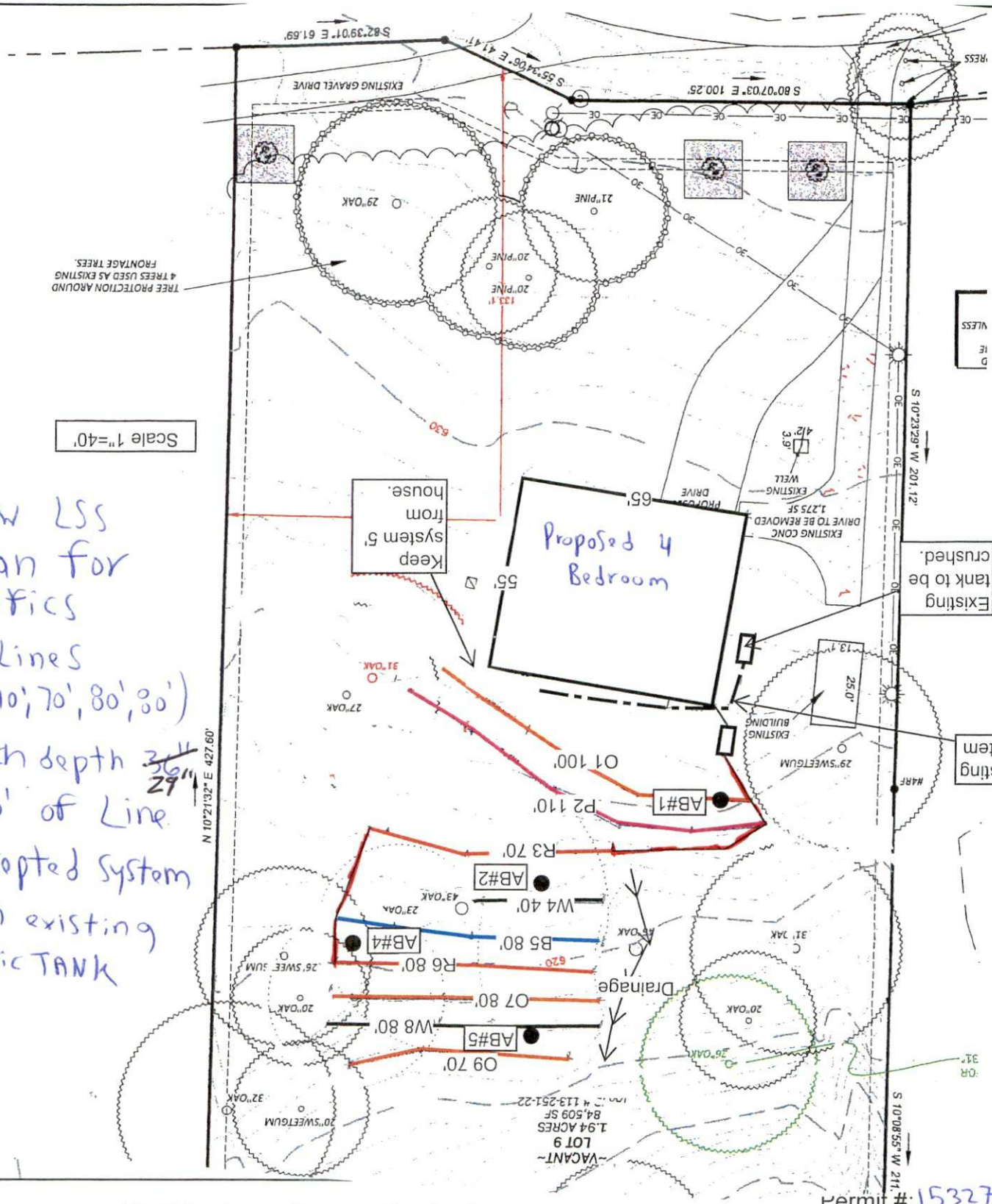
Signature: Braedon Shelton

Date Issued: 3/27/2025

Owner/Legal Agent: _____
Print Name

Signature: _____

On-site Wastewater Improvement Permit Diagram



- follow LSS design for specifics
- 5 Lines (100', 110', 70', 80', 80')
- Trench depth ~~36"~~ 24"
  430' of Line
  Accepted System
- Crush existing Septic TANK

Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: 15327
PID #: 113-251-22
File #: 12188B

Authorized Agent: Brad Shelton Date: 3/27/25

Owner/ Legal Agent: _____ Date: _____

1 inch -

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 #: 30015327 GWS File #: 12188B Tax Parcel #: 113-251-22

- 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.
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I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 3/27/2030

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

Structure Type: HOUSE Size (ft^2): 3000 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 360 Total Trench Length (ft): 430

Maximum Trench Depth (in): ~~36~~ 29" Depth of Media (in): 12 Distribution Device: Serial

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

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 2 Trench Spacing (ft): 8 Absorption Area (ft^2): 542 Total Trench Length (ft): 271

Maximum Trench Depth (in): ~~36~~ 29" 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: Cecilio Rodas
Print Name

Signature: Braedon Shelton Signature: Cecilio

Date Issued: 3/27/2025

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 #: 30015327 GWS File #: 12188B

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- 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.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Finished grade shall provide for positive surface drainage away from all system components – 1/2% grade.

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:

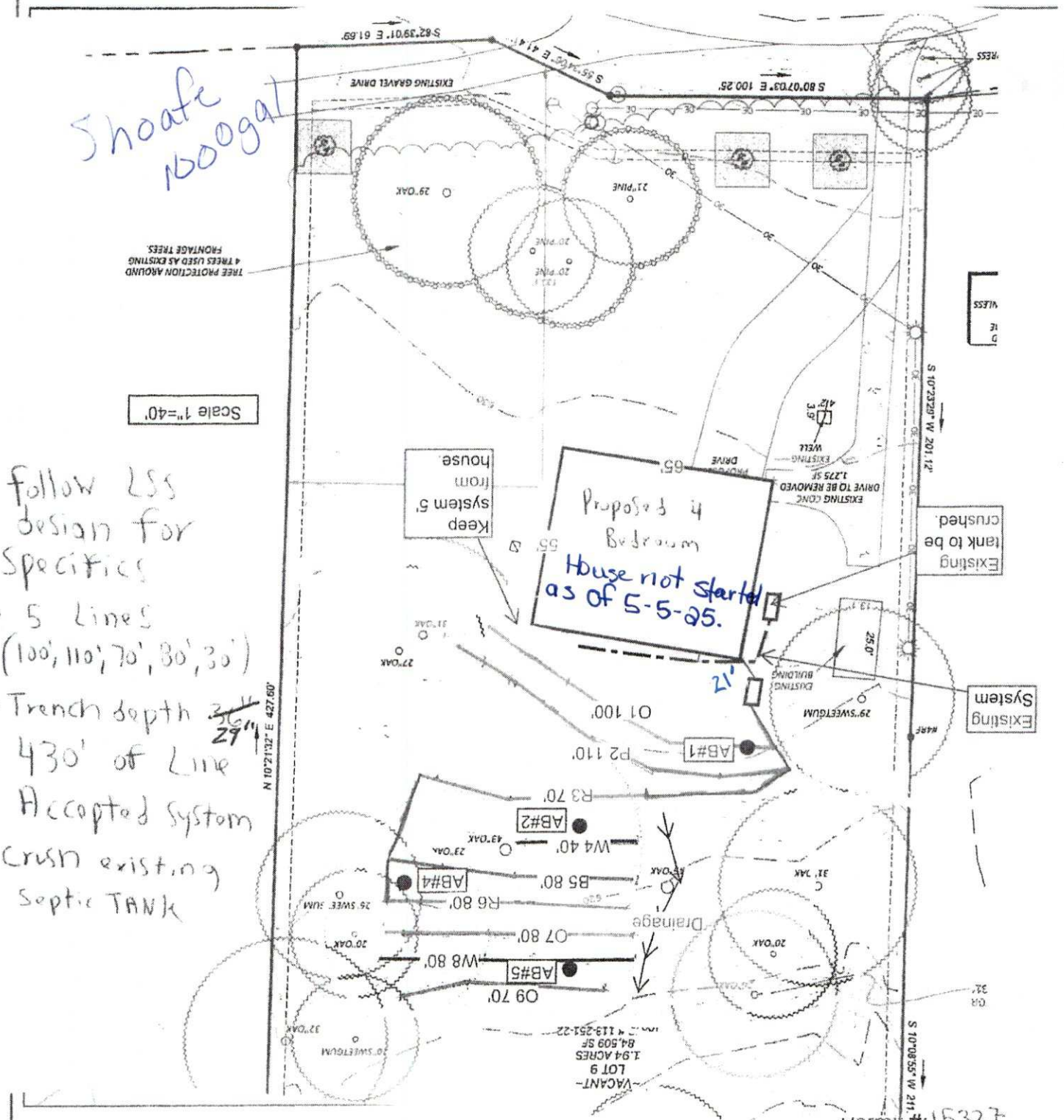
- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed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

Authorized Agent: Braedon Shelton Owner/Legal Agent: Cecilio Rodas
Print Name

Signature: Braedon Shelton Signature: Cecilio

Date Issued: 3/27/2025

On-site Wastewater Improvement Permit Diagram



- follow LSS design for specifics
- 5 Lines (100', 110', 70', 80', 30')
- Trench depth ~~36"~~ 29"
- 430' of Line Accepted System
- Crush existing Septic TANK

Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: 15327
PID #: 113-251-22
File #: 12188B

Authorized Agent: [signature] Date: 3/27/25

Owner/ Legal Agent: [signature] Date: 3/28/25

1 inch -

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 # 12188B App# 15327 Tax Parcel# 113-251-22

Property Owner: Danny & Justin Hutchinson

Job Location Address: 10721 Walkers Ferry Rd

City: Charlotte State: NC Zip Code: 28208

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.**

April Baumgarner
Authorized Agent

5-2-25
Date

Lago Vista
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 #: 12188B Permit #: 15327 Tax Parcel #: 113-251-22

Property Owner: Danny & Justin Hutchinson

Job Location Address: 10721 Walkers Ferry Rd

City: Charlotte State: NC Zip Code: 28208

Operation Permit Issuance Date: 5-5-25 Contractor Name: Lago Vista

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: N/A gallons

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufacture Shoafe Effluent Pump Model: N/A

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 430 feet

# of Lines: 5 @ Various feet

Depth of Media: 12 inches (Type) Chm 36

Depth of Cover: 24 inches

Distribution Device: End cap

Inspection Dates

Tank(s) Inspected: 5-2-25

Excavation Inspected: 5-5-25

Pump & Controls Inspected: N/A

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: _____

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

See attached
installed per consultants
design

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 21' feet

Distance from Property Line: 10'+ feet

Distance from Water Supply Source: 50'+ feet

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: IIb/g/CHM36/N/A/N/A

DENR Authorized Agent: April Bumgarner Signature: April Bumgarner

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 #: 12188 Permit #: 15327 Tax Parcel #: 113-251-22

Property Owner: Danny & Justin Hutchinson

Job Location Address: 10721 Walkers Ferry Rd

City: Charlotte State: NC Zip Code: 28208

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: IIb

*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.

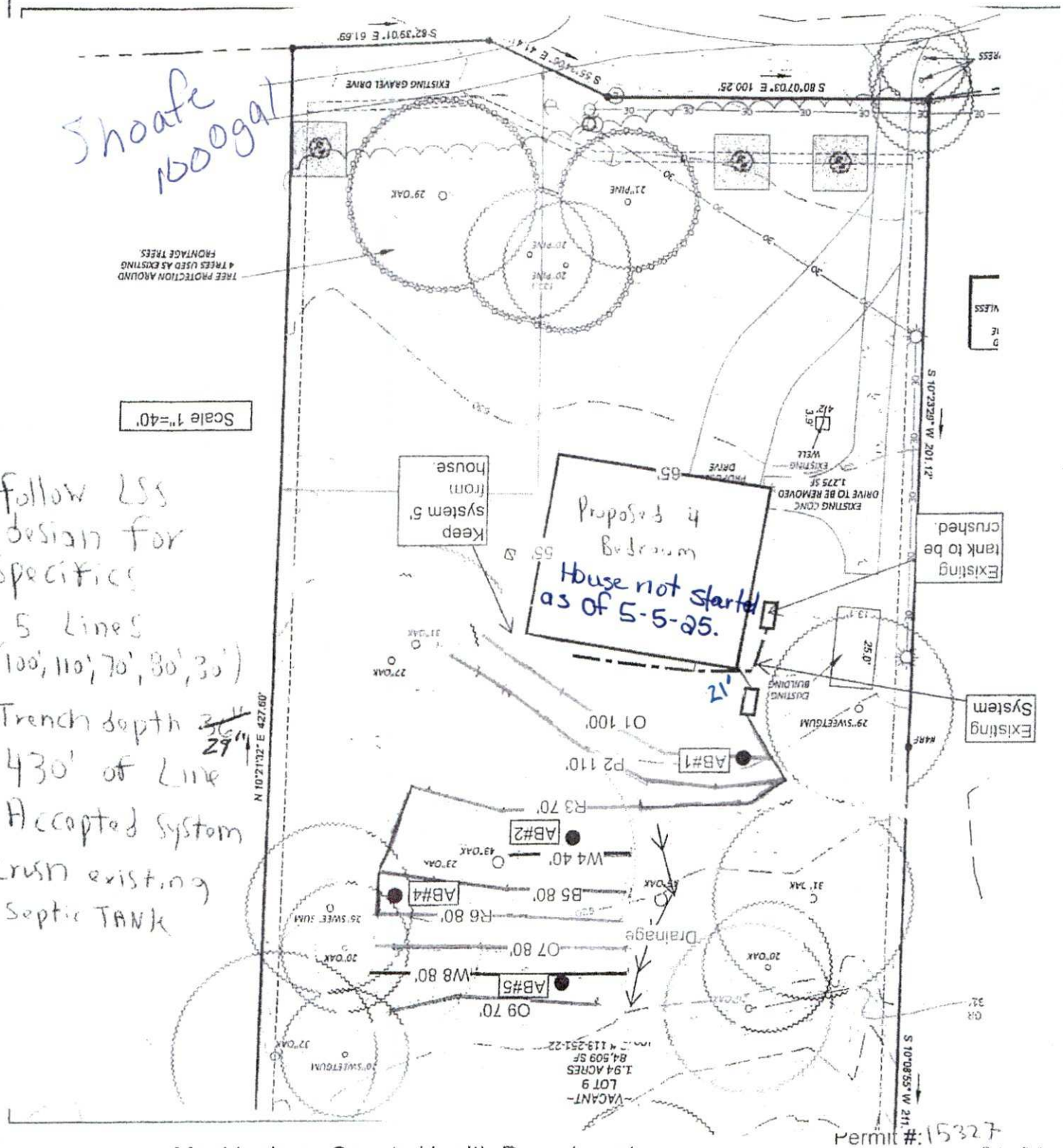
☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: April Bumgarner Date: 5-5-25

Signature: April Bumgarner

On-site Wastewater Improvement Permit Diagram



- follow LSS design for specifics
- 5 Lines (100', 110', 70', 80', 30')
- Trench depth ~~36"~~ 24"
- 430' of Line Accepted System
- Crush existing Septic TANK

Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: 15327
PID #: 113-251-22
File #: 121838

Authorized Agent: Brock Shute Date: 3/27/25

Owner/ Legal Agent: Cecilio Date: 3/28/25

1 inch -