SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

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

New Septic Fees Paid

IP ($250.00) 4/25/2020 Initial/Date

CA ($200.00) 5/5/20 Initial/Date

OP ($200.00) 5/5/20 Initial/Date

Please Release Occupancy Hold

(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

Please generate CA

Floor plans need to be submitted and reviewed before CA can be issued ☒ Review ☒ JM 5/5/20 4 Bedrooms

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

Septic file complete ☒ 12/9/20 Well complete ☐ _____

Send permit for signature ☒ Signature received ☐ _____

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

Certified operator contract is on file ☐ _____

Groundwater & Wastewater Services: Septic Project File & D

GWS File #:	10549B
WASPS App #:	11032
Primary ES assigned to project:	Jacob Presley
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?	Yes

Improvement Permit/Construction Authorization: 130A-336(a)(1) - Property line lengths shown?	Yes
Improvement Permit/Construction Authorization: 130A-336(a) - Facility/appurtenance setbacks shown from fixed points?	Yes
Corrections/modifications needed?	No
Comments:	20" Max Trench Depth
IA issued date:	8/20/20
OP Issued date:	11/24/20
Review performed by:	Jeremy Michelone
Date performed:	2/14/2020

Created at 2/14/2020 10:40 AM by Michelone, Jeremy
Last modified at 2/14/2020 10:40 AM by Michelone, Jeremy

Close

10549B

#11032

MECKLENBURG COUNTY
HEALTH DEPARTMENT

4 FEB '20 PM 3:50

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: 139-041-83

STREET ADDRESS: 8913 Brief Rd.

CITY: Mint Hill

STATE: NC ZIP: 28227

SUBDIVISION NAME: N/A

LOT #: _____ LOT SIZE (acres): 3.5

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: 2560

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 4

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? _____ ☑ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? November 2020 ☐ N/A

12. PROPERTY OWNER:

NAME: Benjamin & Laura Cooper

ADDRESS: 13924 Haven Ridge Ln.

CITY: Charlotte

STATE: NC ZIP: 28216

WORK PHONE: 704-562-2452

MOBILE PHONE: 704-942-4458

FAX: _____

E-MAIL: bcooper16@att.net

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Jeff Newton

ADDRESS: 6012 Hemlock Dr

CITY: Indian Trail

STATE: NC ZIP: 28079

WORK PHONE: 704-684-0642

MOBILE PHONE: 704-651-3378

FAX: 704-624-0409

E-MAIL: jnewton@newtonchr.com

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.

_____ (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.

_____ 1/21/20

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
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: 8913 Brief Rd. Mint Hill NC 28227

Tax Parcel #: 139-041-83

Subdivision Name: N/A

Lot #: N/A



Property Owner's or Owner's Legal Representative Signature

1/21/20
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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/05/20	**Amount:**	200.00
Receipt #:	122267	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	PLACILJ		

Account Information

Account #: X50825
Contractor: NEWTON CUSTOM HOMES
Attn:
Address: 6012 HEMLOCK DR
Address:
City/State/Zip: INDIAN TRAIL, NC 28079

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 8913 Brief Rd		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
200.00	474.80				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/05/20	**Amount:**	200.00
Receipt #:	122268	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	PLACILJ		

Account Information

Account #: X50825
Contractor: NEWTON CUSTOM HOMES
Attn:
Address: 6012 HEMLOCK DR
Address:
City/State/Zip: INDIAN TRAIL, NC 28079

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 8913 Brief Rd		1	200.00	200.00

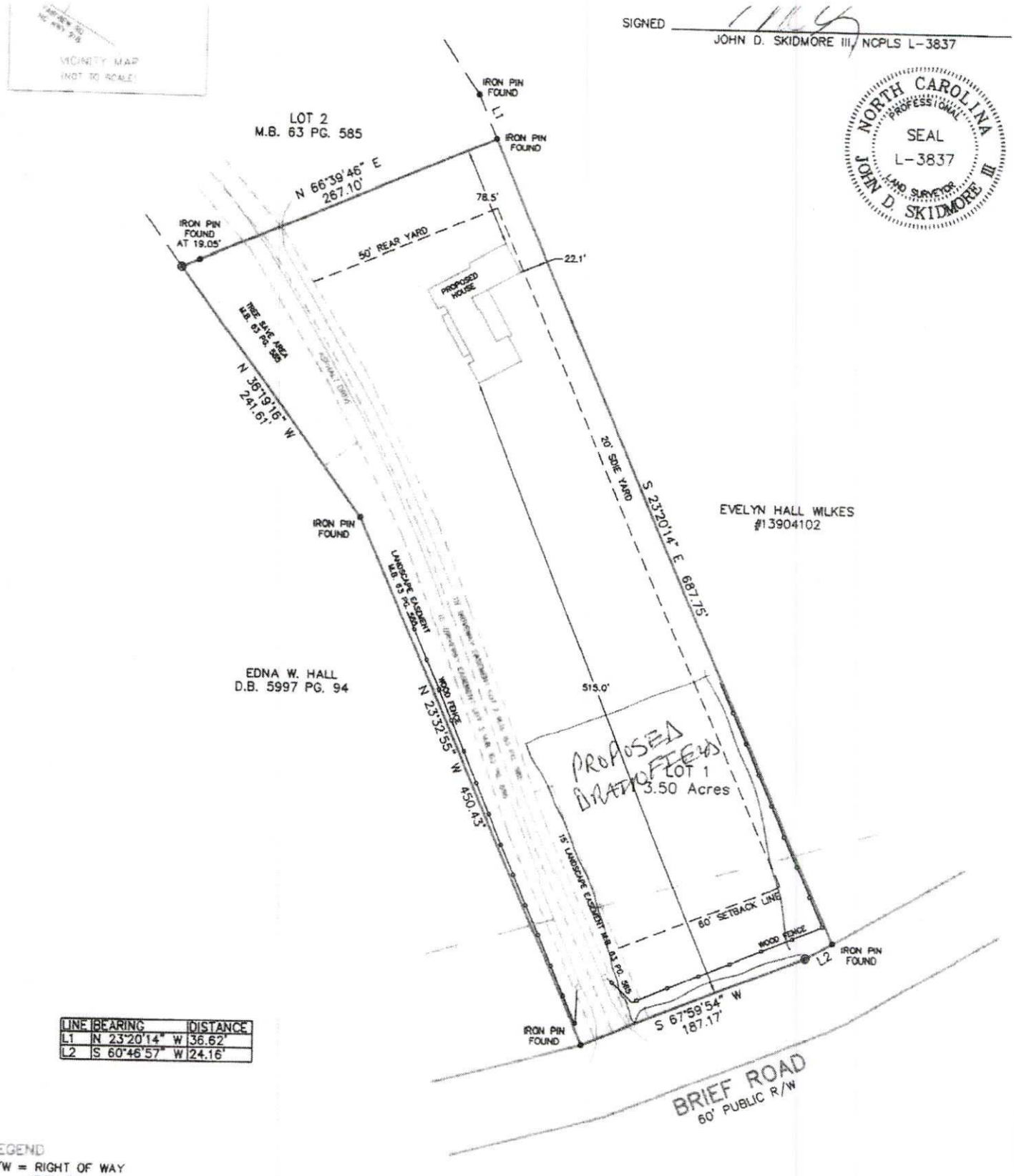
----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
400.00	474.80				

SIGNED _____

JOHN D. SKIDMORE III, NCPLS L-3837

NORTH CAROLINA PROFESSIONAL SEAL L-3837 LAND SURVEYOR JOHN D SKIDMORE III



LINE	BEARING	DISTANCE
L1	N 23°20'14" W	36.62'
L2	S 60°46'57" W	24.16'

LEGEND

R/W = RIGHT OF WAY
• = IRON PIN
O = IRON PIPE
⊕ = COMPUTED POINT
= UTILITY POLE
⊡ = CONCRETE MONUMENT
Ⓢ = SANITARY SEWER MANHOLE
Ⓓ = STORM DRAIN MANHOLE

PROPERTY LINE
ADJOINER LINE
RIGHT OF WAY
SEWER EASEMENT
STORM DRAIN EASEMENT
SETBACK LINE

NOTES:

- AREA BY COORDINATE METHOD
- THIS IS A SURVEY OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET
- THIS MAP IS NOT INTENDED TO MEET G.S. 47-30 AND IS NOT TO BE RECORDED AS A PLAT
- SUBJECT PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED EASEMENTS, RIGHT OF WAYS, SETBACKS AND/OR RESTRICTIVE COVENANTS NOT SHOWN HEREON
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT REPORT

N W E S

M.B. 63 PG. 585
8/16/2018

GRAPHIC SCALE | PLOT PLAN | SURVEY DATE 1/28/2020 | D.B. PG.

Gibbie Harris, MSPH, BSN
Health Director

MECKLENBURG COUNTY
Public Health

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

8913 BRIEF RD MINT HILL NC
Number · Street Town
(Or parcel Number)

Benjamin Cooper
Property Owner (print name)

Property Owner (signature)

2/4/20
Date

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 02/05/20
Receipt #: 120538
Check / Auth #: CHARGE
Received By: PLACILJ

Amount: 250.00
Tendered: 250.00
Returned: 0.00

Account Information

Account #: X50825
Contractor: NEWTON CUSTOM HOMES
Attn:
Address: 6012 HEMLOCK DR
Address:
City/State/Zip: INDIAN TRAIL, NC 28079

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 8913 BRIEF RD		1	250.00	250.00

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

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

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

Sheet: 1 of 2
Property ID: 139-041-83
Lot #: NA
File #: 10549B
AppID: 11032

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Benjamin & Laura Cooper
Applicant: Jeff Newton
Address: 13924 Haven Ridge Ln, Charlotte, NC 28216
Date Evaluated: 2/12/2020
Proposed Facility: 4 Bedroom House
Design Flow (.1949): 480 GPD
Property Size: 3.5 ac
Location of Site: 8913 Brief Rd, Charlotte, NC 28227
Property Recorded: Unknown
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Municipal
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] 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	LS	0 - 6	sbk CL	SS SP FR SEXP							
#1	6%	6 - 22	sbk C	S P FR SEXP	10YR 7/1	48	NA	NA	yellow brown	**PS IV**	**20"**
		22 - 48	sbk C	S P FI SEXP	at 34" - 40"				mottles 28 - 48"	**0.25**	
Boring	LS	0 - 5	sbk CL	SS SP FR SEXP							
#2	6%	5 - 24	sbk C	S P FR SEXP	>48"	48	NA	NA	yellow brown	**PS IV**	**36"**
		24 - 48	sbk C	S P FI SEXP					mottles 30 - 48"	**0.275**	
Boring	LS	0 - 6	sbk CL	SS SP FR SEXP							
#3	6%	6 - 22	sbk C	S P FR SEXP	10YR 7/1	42	NA	NA	yellow brown	**PS IV**	**20"**
		22 - 42	sbk C	S P FI SEXP	at 34" - 42"				mottles 30 - 48"	**0.25**	
Boring	LS	0 - 6	sbk CL	SS SP FR SEXP							
#4	6%	6 - 16	sbk C	S P FR SEXP	>48"	48	NA	NA	yellow brown	**PS IV**	**36"**
		16 - 48	sbk C	S P FI SEXP					mottles 30 - 48"	**0.275**	

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIbg	IIIbg
Site LTAR (gpd/sq ft)	**0.25**	**0.25**

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

COMMENTS:

Sheet: 2 of 2
File #: 10549B
AppID: 11032

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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
				m-moderate
		SiL-Silt Loam		s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

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

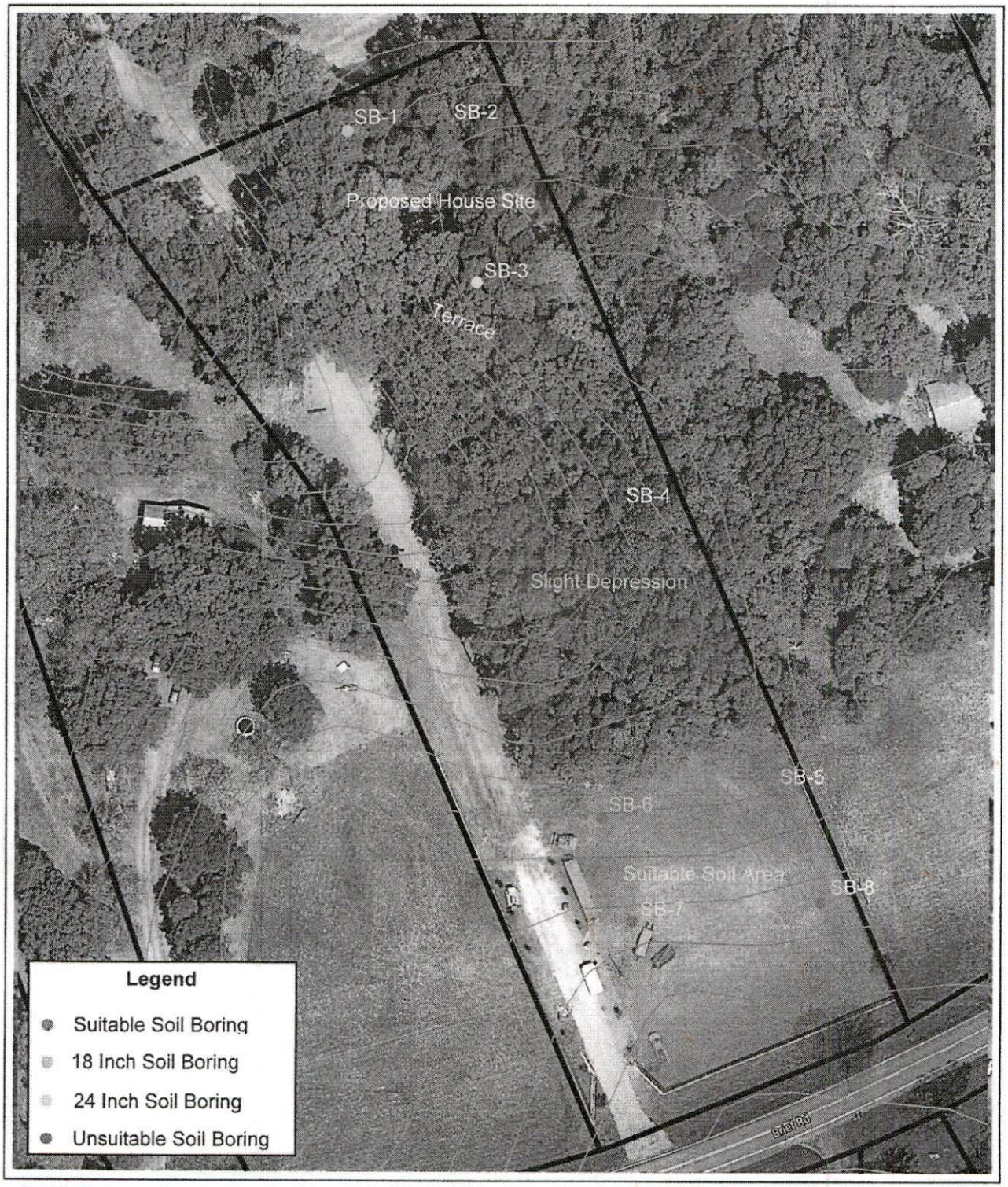
Consistence
Wet
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

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

Sketch of Soil Evaluation Locations





Thompson Environmental Consulting WATER · WASTEWATER · WETLANDS	Prepared For: Ben Cooper	Soil and Site Evaluation 8913 Brief Road Charlotte, NC 28227 Mecklenburg County, North Carolina	Date: August 2019 Scale: 0 40 80 ft TEC Job #: 19-114	Figure 1

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

PROPERTY ID #: 13904183
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: [illegible]
ADDRESS: 8925 Brief Rock Ln Huntersville NC 28227
PROPOSED FACILITY: [illegible] PROPOSED DESIGN FLOW (.1949): 600 GPD
LOCATION OF SITE: 8913 Brief Rock Ln Huntersville NC 28227
DATE EVALUATED: 8-26-
PROPERTY SIZE: 3.50ac
PROPERTY RECORDED: _____

WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 6%	21	ABk fc	F/sbr c f		18	n/a	n/a	
2	LS 6%	0-12	[illegible]	[illegible]		12"	n/a	12" Pf	
3	LS 8%	0-8	[illegible]	[illegible]					
4	LS 12%	0-5	[illegible]	[illegible]					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)	Conv	Conv
Site LTAR	.53	.53

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____

LICENSED SOIL SCIENTIST MARK S. THOMPSON STATE OF NORTH CAROLINA 1-28-2

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

PROPERTY ID #: 13904183
DATE OF EVALUATION: 8-26-19
COUNTY: Mecklenburg

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 5%	0-9	SBK/SCL	FR/[illegible]	N/A	[illegible]	N/A	N/A	[illegible]
		9-48+	SBK/C	FI/[illegible]					
6	LS 5%	0-8	SBK/SCL	FR/[illegible]	N/A	[illegible]	N/A	N/A	[illegible]
		8-48+	SBK/C	FI/[illegible]					
		0-							
7	LS 5%	0-9	SBK/SCL	FR/[illegible]	[illegible]	[illegible]	N/A	[illegible]	[illegible]
		9-[illegible]	SBK/C	FI/[illegible]					
8	LS 5%	0-8	SBK/SCL	FR/[illegible]	N/A	[illegible]	N/A	N/A	[illegible]
		8-48	SBK/C	FI/[illegible]					

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

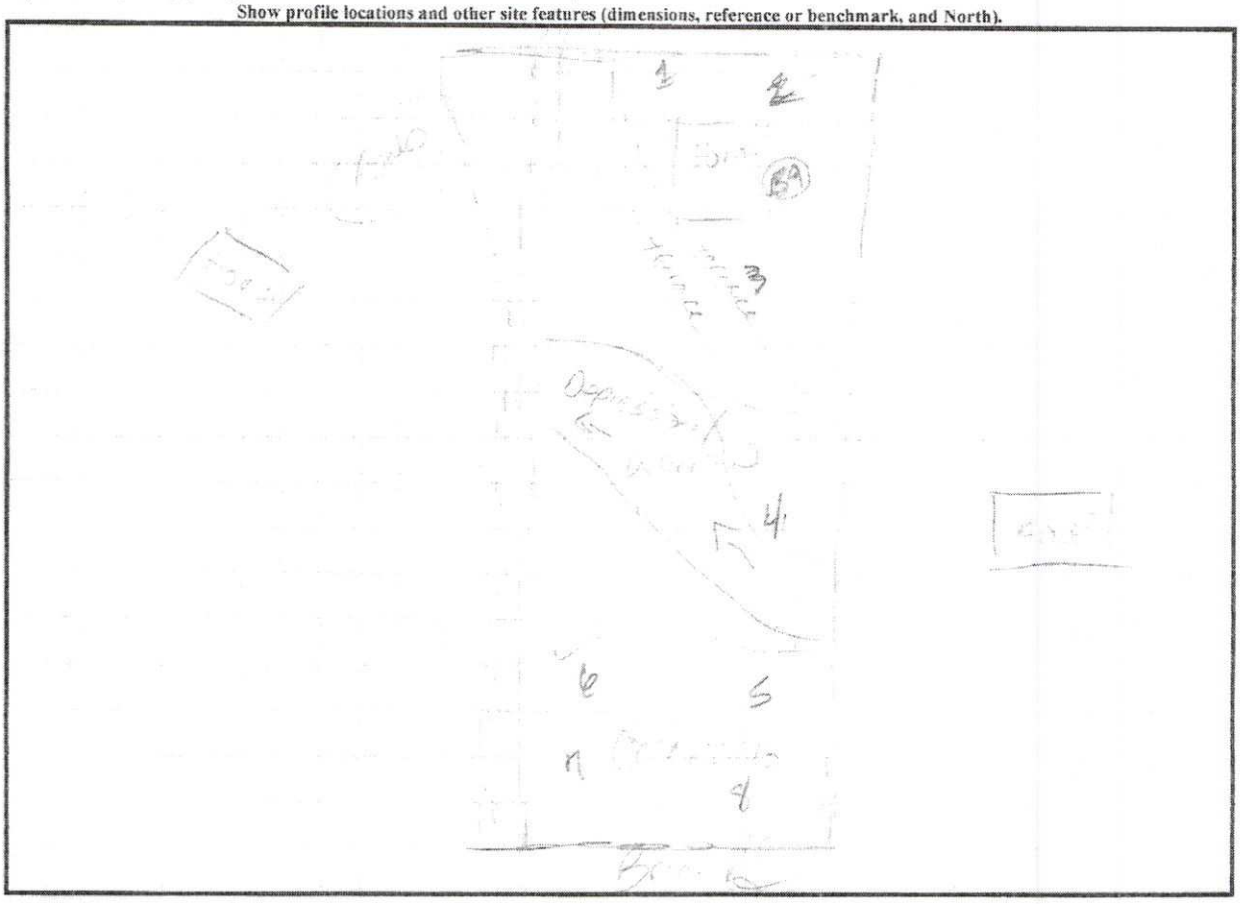
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



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 # 10549B App# 11032 Tax Parcel# 139-041-83

Property Owner: Ben / Lavra Cooper

Job Location Address: 8913 Brief 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: Septict pump tank location has been changes Center of house.

*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.**

Brandon Shilito
Authorized Agent

8/20/20
Date

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 #: 10549B Permit #: 11032 Tax Parcel #: 139-041-83

Property Owner: Ben/Laura Cooper

Job Location Address: 8913 Brief Rd

City: Charlotte State: NC Zip Code: 28227

Operation Permit Issuance Date: 11/30/20 Contractor Name: RCS

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: 1000 gallons

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufacture J+S Effluent Pump Model: Gould -311

Drainfield Installation ☐ N/A

Trench Depth: 18-20 inches

Trench Width: 3 feet

Line Spacing: 9'C feet (O.C.)

Total line length: 480 feet

# of Lines: 4 @ 120 feet Infiltrator Quick-4

Depth of Media: 12 inches (Type)

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

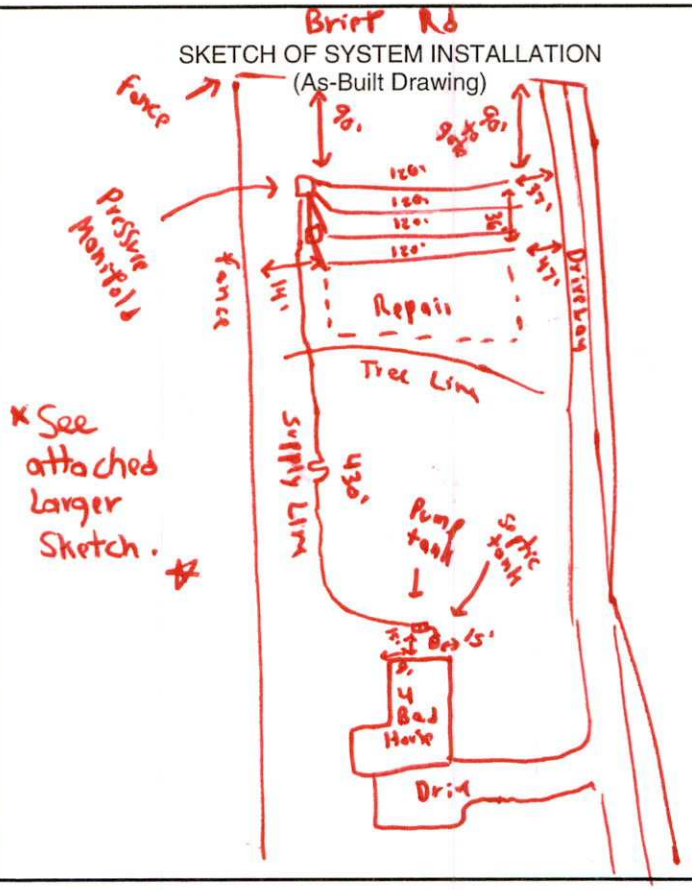
Inspection Dates

Tank(s) Inspected: 9/16/20

Excavation Inspected: 9/16/20

Pump & Controls Inspected: 11/30/20

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

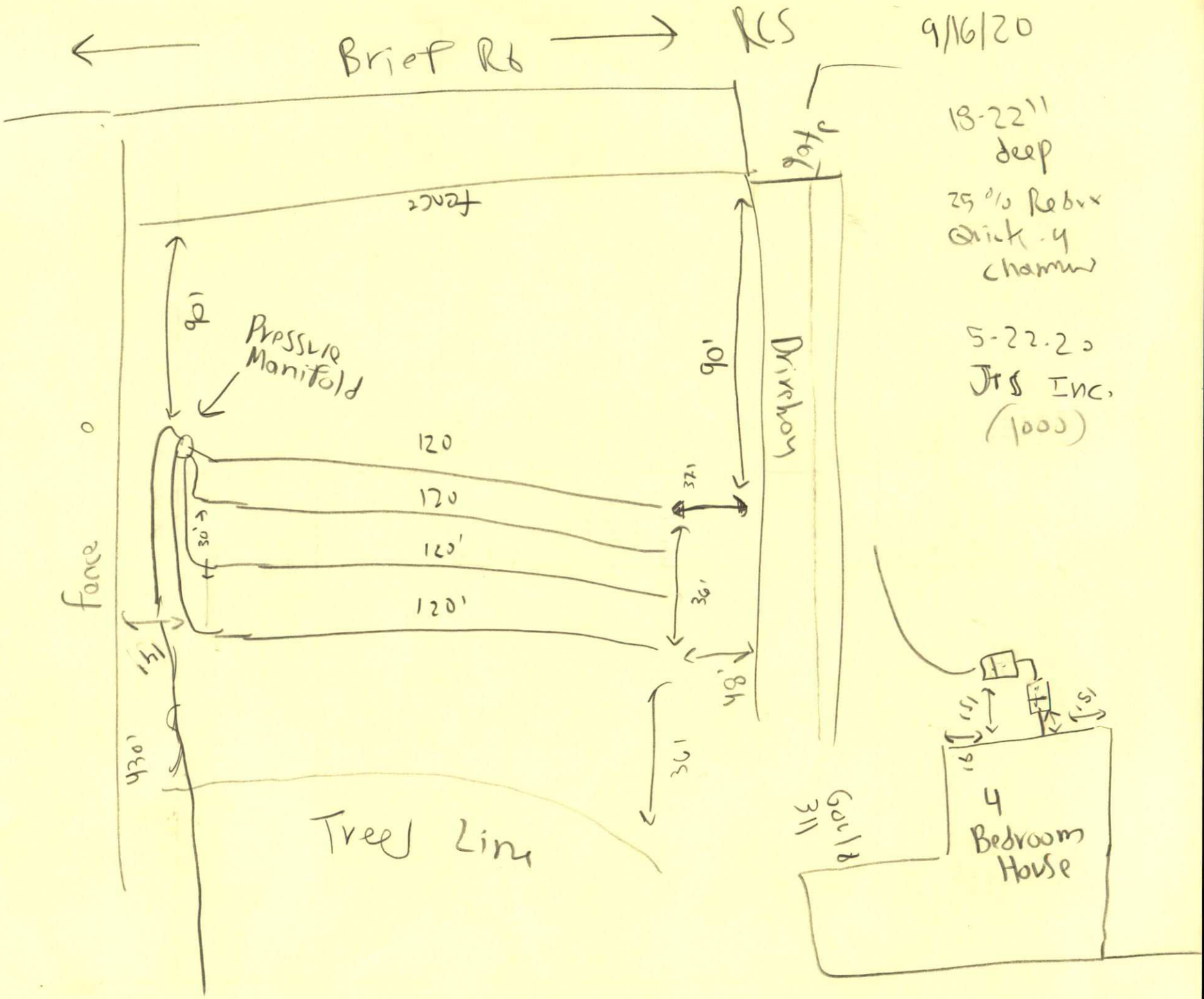


The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" 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: Pump to Pressure Manifold 25% Reduction Quick-4 chambers (III BG IQ4)

DENR Authorized Agent: Braedon Shelton Signature: Braedon Shelton REHS


Brief Rd
RCS
9/16/20
18-22" deep
25% Rebar
Quick 4 chamber
5-22.20
JTS Inc.
(1000)
Fence
Pressure Manifold
20'
90'
Driveway
120
120
120'
120'
30'
32'
36'
48'
15'
430'
36'
Tree Line
Gravel
4 Bedroom House

Mecklenburg County Groundwater & Wastewater Services
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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 #: 10549B Permit #: 11032 Tax Parcel #: 139-041-83

Property Owner: Ben/Lavra Cooper

Job Location Address: 8913 Brief 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: III BG

*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.

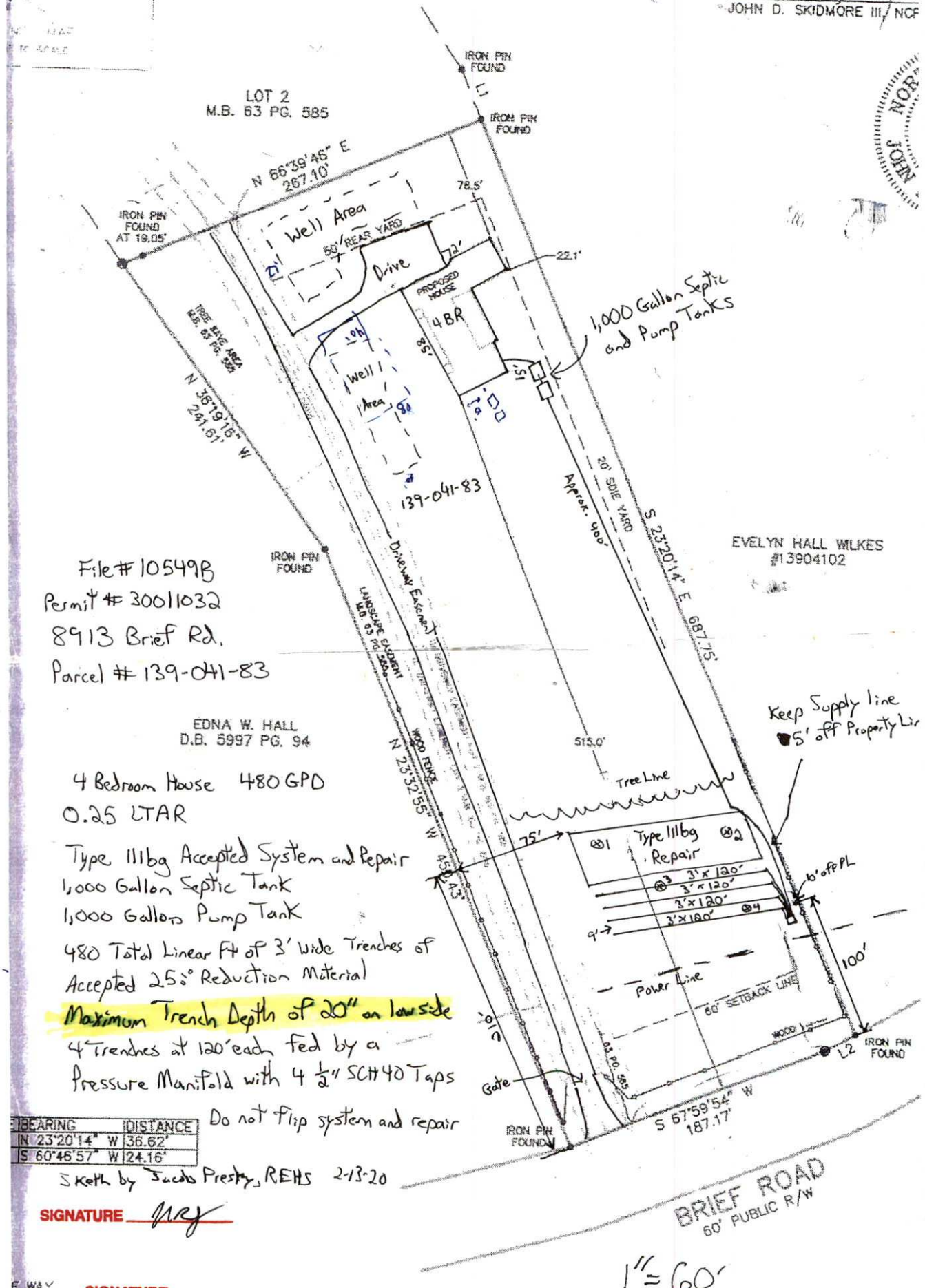
☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: * Pump System *

DENR Authorized Agent: Braedon Shelton Date: 11/30/20

Signature: Braedon Shelton REHS

SIGNED _____
JOHN D. SKIDMORE III, NCF



File # 10549B
Permit # 30011032
8913 Brief Rd.
Parcel # 139-041-83

EDNA W. HALL
D.B. 5997 PG. 94

4 Bedroom House 480 GPD
0.25 LTAR

Type 111bg Accepted System and Repair
1,000 Gallon Septic Tank
1,000 Gallon Pump Tank
480 Total Linear Ft of 3' Wide Trenches of Accepted 25% Reduction Material
Maximum Trench Depth of 20" on low side
4 Trenches at 120' each fed by a Pressure Manifold with 4 1/2" SCH 40 Taps
Do not flip system and repair

	BEARING	DISTANCE
L1	N 23°20'14" W	36.62'
L2	S 60°46'57" W	24.16'

Sketch by Jacob Presley, REHS 2-13-20

SIGNATURE _____

1" = 60'

F WAY

SIGNATURE _____

D POINT
OLE
E MONUMENT

NOTES:
- AREA BY COORDINATE METHOD
- THIS IS A SURVEY OF AN EXISTING

Mecklenburg County Groundwater & Wastewater Services
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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 #: **30011032** GWS File #: **10549B** Tax Parcel #: **139-041-83**

- 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):** 2/13/2025

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

Structure Type: HOUSE Size (ft^2): 2560 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	20	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: Pump to Accepted **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	20	Depth of Media (in):	12	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: Jacob Presley

Signature: _____

Date Issued: 2/13/2020

Owner/Legal Agent: _____
Print Name

Signature: _____

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 #: **30011032** GWS File #: **10549B**

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 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.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 15 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:

- 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: Jacob Presley

Signature: _____

Date Issued: 2/13/2020

Owner/Legal Agent: _____
Print Name

Signature: _____

FEE: 200.00

DATE: 5/8/2020

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

MECKLENBURG COUNTY

GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 10549B

PERMIT NUMBER: 30011032

PARCEL NUMBER: 13904183

JOB LOCATION INFORMATION

ADDRESS: 8913 BRIEF RD

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

ISSUED TO: BENJAMIN & LAURA COOPER

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 5/5/2020

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30011032, 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.

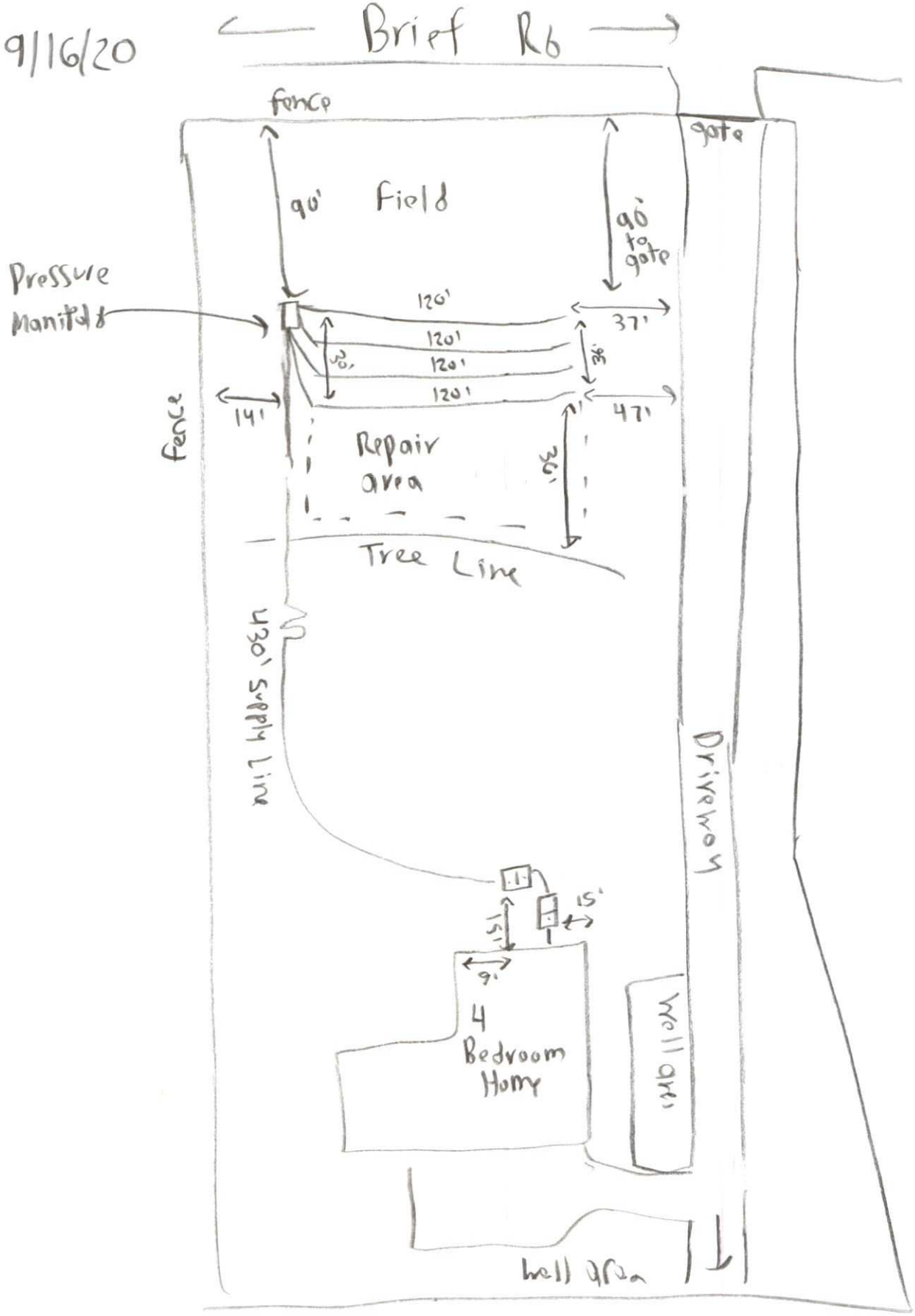
2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

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 _____

9/16/20


Brief Rd
fence
gate
90' Field
90' to gate
Pressure Manifold
120'
120'
120'
120'
30'
36'
37'
47'
14'
fence
Repair area
36'
Tree Line
1320' Supply Line
Driveway
15'
15'
9'
4 Bedroom Home
well area
well area

Dear Julio Adalberto, 9/9/20

After sending two letters over the past three months in reference to the sewage surfacing at 7617 Rolling Hill Rd. With the failure to comply with the rules and NOV notice Your information has been submitted to the Mecklenburg County court system.

If you decide to contact Mecklenburg County Environmental health to correct this sewage failure. We can avoid the court system and prevent a possible misdemeanor verdict. My contact information is below**. The sewage surfacing behind the house located at 7616 Rolling hill Rd is a health violation. There is human sewage surfacing on this property. Where the playground is located. The sewage is also potentially polluting the ground water and the local streams.**

The first thing I would recommend is fill out a repair application on our website Mecknc.gov/HealthDepartment/EnvironmentalHealth/GWS/Pages/default.aspx

and click on form & applications blue square right side of page. Then fill out a repair application.

I would also highly recommend checking all fixtures in the house that use water for leaks. Add some dye to the toilets tanks and see if the color seeps into the toilet bowl. This represents a leak in the toilet. One leaking toilet can cause a septic system to fail. I have sent a copy of this letter to the rental home as well.

This potentially could be an easy fix that may not require much work. It is not worth going to court over a sewage failure.

Any questions please contact me at:

Braedon Shelton, REHS

Environmental Health Specialist

Mecklenburg County Public Health Department

Environmental Health Division

Cell: 980-297-3719

Fax:

Email: Braedon.Shelton@mecknc.gov