IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 310197

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

PIN # 4626001399 ✓

APPLICANT/OWNER: Eric & Ginger Montgomery APPLICANT ADDRESS: 548 Barber Lp. Mooresvile NC 28117

SITE ADDRESS: 548 Barber Lp.Mooresville NC 28117 ✓ PHONE: 336-266-4813 ALT. PHONE N/A

SITE DIRECTIONS: Brawley School Rd T/R Chuckwood Rd T/L Barber Lp lot on left SAP CONTROLLED: ☐ YES ■ NO

SUBDIVISION: Watertree Landing ✓ SECTION: N/A LOT # 60 ✓ LOT AREA: .7ac ✓ DESIGN FLOW: 480 L.T.A.R.: 0.3

Septic Tank	EXT (gal)	STB	Date	■ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	■ Residence	No. Bedrooms 4
Pump Tank	(gal)	PT	Date	System Description:	Infiltrator (No reduction)			☐ Business	No. Persons 8
Pump Make	Model		Serial #	Repair	PPBPS			☐ Other	No. Employees
# Nitrification Fields	1 # Lines 4		Linear Ft: 100ex +400	Maintenance Agreement Required:	☐ YES	■ NO		☐ Slab	■ Crawl Space
Trench Width	36" Max Trench Bottom Depth		30" Gravel Depth N/A	■ GRAVITY	☐ PRESSURE			☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ■ Private ☐ Public ☐ Community

Comments / Conditions: See Attached plan by Michael Athanas & Associates

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11.(c) of SL 2018-114 using the signed and sealed

LSS Evaluation attached here.

See plan by:Michael Athanas & Associates

AS BUILT SKETCH

Line Lengths 110' Otherwise installed
122' as Drawn.
115' Existing Drainfield was
54' full of water.

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

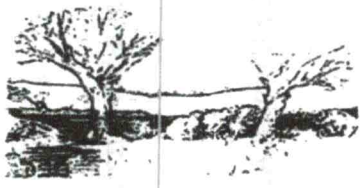
☐ IMPROVEMENT PERMIT *with plat valid without expiration.* ■ IMPROVEMENT PERMIT *with site plan valid for 60 mos.* ■ AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 10/27/20 Installed by: Richard Abernethy

IMPROVEMENT PERMIT by: Date: 10/27/20 OPERATION PERMIT by: Date: 11-3-2020

AUTHORIZATION TO CONSTRUCT by: Date: 10/27/20 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.



MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
561 Ennis Road
Weddington, NC 28173
704-576-3887 (Mobile)

Session Law

Property:

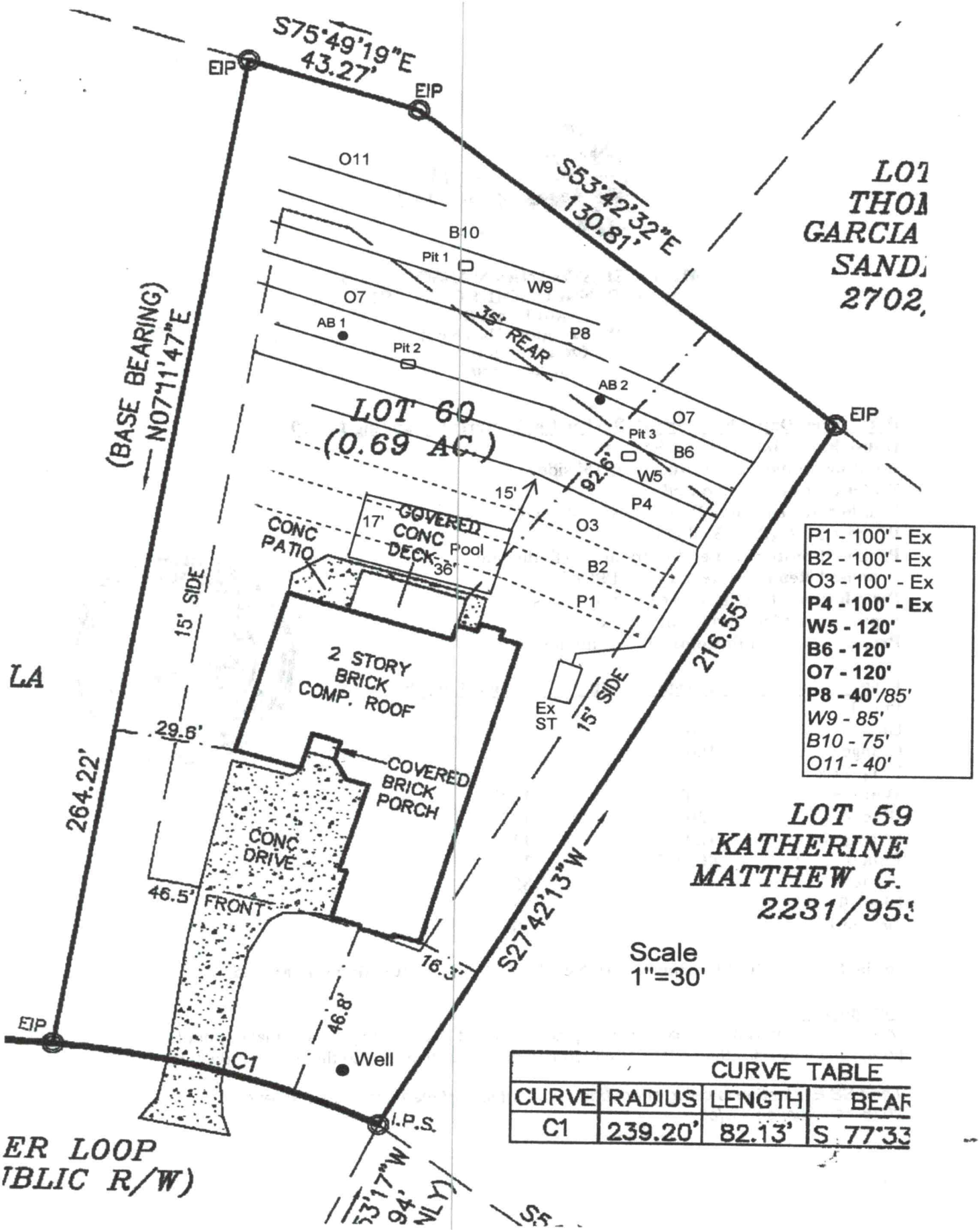
548 Barber Lp
Mooresville, NC 28117
Watertree Landing Lot 60
PIN 4626001399

Prepared for:

Eric Montgomery

10/23/2020





CURVE TABLE			
CURVE	RADIUS	LENGTH	BEAR
C1	239.20'	82.13'	S 77°33



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887
10/22/2020

Reference: Data Sheet for 548 Barber Lp, Watertree Landing Lot 60
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: Infiltrator (No Reduction)
Proposed Repair System Type: PPBPS
Distribution: Gravity-End cap/ Drop boxes
Septic Tank Size: 1000 gallons (existing)
Proposed Trench Bottom: 60" maximum



Line	Design Length	Actual Length
Pink 1 Ex	100'	
Blue 2 Ex	100'	
Orange 3 Ex	100'	
Pink 4 Ex	**100'**	
White 5	**120'**	**120'**
Blue 6	**120'**	**125'**
Orange 7	**120'**	**127'**
Pink 8	**40'**/85'	**130'**
White 9		85'
Blue 10		75'
Orange 11		40'

Initial System: 100' Existing + 400' New Lines **Repair System:** 285'

Comments:
MA&A are proposing to abandon an replace the first three existing lines to make room for a pool. The new lines that will be installed will be deeper than 36" so there is no reduction.

The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).

PROPERTY ID #: 4626001399
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

LICENSED SOIL SCIENTIST — MICHAEL — STATE OF NORTH C

OWNER: Eric Montgomery
ADDRESS: 548 Barber Lp, Mooresville, NC 28117
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 548 Barber Lp, Watertree Landing Lot 60
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring X Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED: 9/2020
PROPERTY SIZE: 0.69 AC
PROPERTY RECORDED:
TYPE OF WASTEWATER: X Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
PIT 1	LS 1-2%	0-5	Br CL WSBK	FR SS SP SXP	N/A	52"	N/A	N/A	PS 0.3-0.35
		5-22	R C SBK	FR SS SP SXP					
		22-52	R CL WSBK	FR SS SP SXP					
PIT 2	LS 1-2%	0-15	R C SBK	FR SS SP SXP	N/A	50"	SAP Incl @32"	N/A	PS 0.3-0.35
		15-50	R CL WSBK	FR SS SP SXP					
PIT 3	LS 1-2%	0-20	R C SBK	FR SS SP SXP	N/A	52"	Few SAP	N/A	PS 0.3-0.35
		20-52	R CL WSBK	FR SS SP SXP					
AB 1	LS 1-2%	0-20	R C SBK	FR SS SP SXP	N/A	72"	N/A	N/A	PS 0.3-0.4
		20-48	R CL WSBK	FR SS SP SXP					
		48-72	YR L WSBK	VFR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT^2	1050 FT^2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4626001399____
DATE OF EVALUATION: ____________
COUNTY: _Iredell________

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON 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	
AB 2	LS 1-2%	0-19	R C SBK	FR SS SP SXP	N/A	72"	N/A	N/A	PS 0.3-0.4
		19-46	R CL WSBK	FR SS SP SXP					
		46-72	RY L WSBK	VFR SS SP SXP					

COMMENTS:•**<u>The LSS evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11(c)</u>**

RECEIVED OCT 2 6 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

AP-310197 $500.00

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (✓) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)**

Applicant Name: Eric & Ginger Montgomery **Address:** 548 Barber Lp, Mooresville, NC **Zip:** 28117

Applicant Email: _____ **Phone:** 336-266-4813 **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 548 Barber Lp

Subdivision Name: Watertree Landing **Section/Phase:** _____ **Lot Number:** 60

Driving Directions: _____

Site Development Information: *(check or complete ALL that apply*

CHECK FOUNDATION TYPE

( ) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
(✓) Swimming Pool
( ) Other Addition/Structure: _____

(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: **Type of Business:** _____
Square Footage of Building: _____ **Max. Number of Employees:** _____ **Max. Number of Seats/Beds/Other:** _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well **Number of Houses:** _____ **Number of Persons:** _____

( ) New Well (✓) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* **Year existing system installed:** _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional (✓) Other: Accepted

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

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.

Signature: _____ 10/23/2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

MICHAEL ATHANAS & ASSOCIATES
NC LICENSED SOIL SCIENTIST
SC PROFESSIONAL SOIL CLASSIFIER
561 Ennis Rd Weddington, NC 28173
MIKE@MICHAELATHANAS.COM
WWW.MICHAELATHANAS.COM
(704) 576-3887

Date: 10/21/2020
Project Name

SESSION LAW 218-114, SECTION 11. (C) /HOUSE BILL 374, SECTION 11. (C)
AUTHORIZATION FORM

Michael Athanas & Associates (MA&A) has been contracted to evaluate soil, design and submit a septic system proposal to IREDELL (County) on behalf of ERIC MONTGOMERY, (Owner/Applicant for the property located at - 549 BARBER LOOP LOT #6 (address/PIN)

The Licensed Soil Scientist (LSS) Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 section 11 . (c)

By completing this form, sign and dating you agree that the permit issued by IREDELL (county) will fall under the above referenced law.

Owner/Owners Legal Representative ERIC MONTGOMERY
Mailing address 549 BARBER LOOP MOORESVILLE, NC 28117
Telephone Number 704-990-5060
Email Address EAMONTGOMERY12@HOTMAIL.COM

EAM
Signature of Owner/ Owner Legal Rep.

10/21/2020
Date