ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 320918

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

PIN # 4629 --87--0337

APPLICANT/OWNER: Tammy Lawley APPLICANT ADDRESS: 3924 Mt. Olive Church Rd Newton NC 28658

SITE ADDRESS: 438 Morrison Farm Rd Taylorsville NC PHONE: ALT. PHONE

SITE DIRECTIONS: State Park Rd to Morrison Farm Rd. SAP CONTROLLED: ☐ YES ☐ NO

SUBDIVISION: Morrison Pointe North SECTION: LOT # 7 LOT AREA: 3.17 AC DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000 (gal)	STB	583	Date	3/20/22	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI
Pump Tank	(gal)	PT		Date		System Description:	Gravity - 25% Reduction		
Pump Make		Model		Serial #		Repair System Description:	Aerobic Drip Irrigation		
# Nitrification Fields	1	# Lines	4	Linear Ft:	400	Maintenance Agreement Required:	☐ YES	☒ NO	
Trench Width	36 in	Trench Bottom Depth	36 in	Gravel Depth		☒ GRAVITY	☐ PRESSURE		

☒ Residence	No. Bedrooms	4	**Water Supply**
☐ Business	No. Persons	8	☒ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☒ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Alternative Septic Services, LLC

LSS # 1254 Dated May 2, 2021

AS BUILT SKETCH

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

Installed as Drawn

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.*

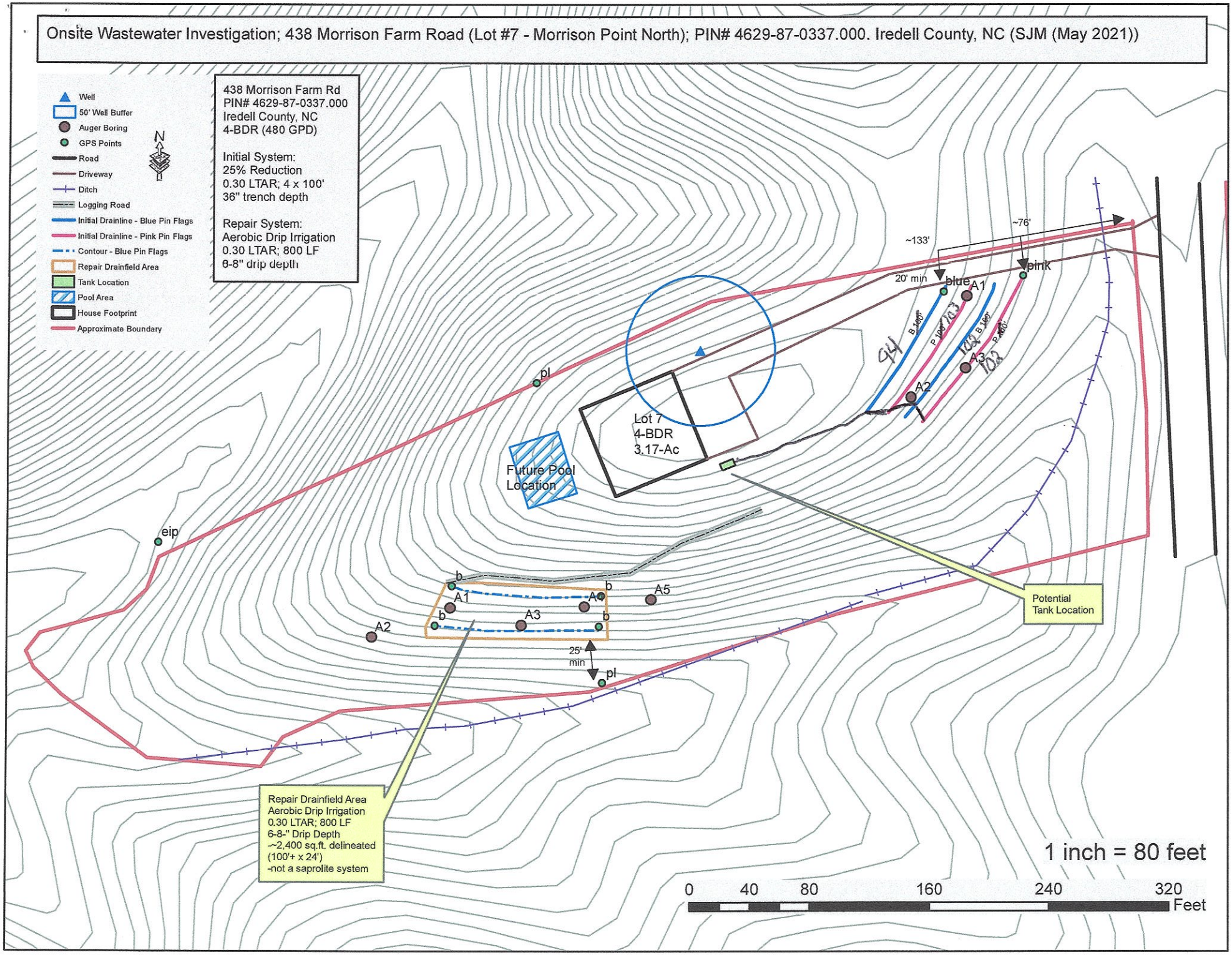
Owner / Applicant Signature: Tammy Lawley Date: 9/29/21 Installed by:

IMPROVEMENT PERMIT by: Iredell County Health Dept Date: 9-21-21 OPERATION PERMIT by: Rays Cary Hill Date: 8/22/22

AUTHORIZATION TO CONSTRUCT by: Date: 9-21-21 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

Onsite Wastewater Investigation; 438 Morrison Farm Road (Lot #7 - Morrison Point North); PIN# 4629-87-0337.000. Iredell County, NC (SJM (May 2021))



Alternative Septic Services, LLC

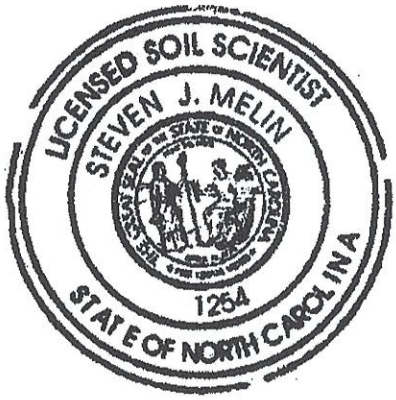
15 LONE COYOTE RIDGE; FLETCHER, NC 28732
EMAIL: SJMELIN@GMAIL.COM CELL: (828) 551-9903

ON-SITE SOIL AND SITE EVALUATION

438 Morrison Farm Road
Lot #7 - Morrison Point North Subdivision
Session Law Permitting
Iredell County, North Carolina
Parcel ID# 4629-87-0337.000
4-Bedroom (480 GPD)

Prepared for:

Prepared by:
Alterative Septic Services



Steven J. Melin #1254

Steven J. Melin, LSS

May 2, 2021

Alternative Septic Services, LLC

15 LONE COYOTE RIDGE, FLETCHER, NC 28732
EMAIL: SJMELIN@GMAIL.COM CELL: (828) 551-9903

May 2, 2021

To: Owner – 438 Morrison Farm Road

Re: **Site/Soil Investigation(s) for 438 Morrison Farm Road in Troutman (Iredell County, North Carolina).**

I, Billee Bidwell **acknowledge that "The LSS Evaluation attached is this application is to be used to produce, design and construction features for permitting in accordance with SL 2018-114 Section 11.(c)."**

Sincerely,

Steve Melin, LSS
Soil Scientist
Alternative Septic Services, LLC

Client: Billee Bidwell

Accepted: _____

Date: August 26, 2021

Alternative Septic Services, LLC

15 LONE COYOTE RIDGE; FLETCHER, NC 28732
EMAIL: SJMELIN@GMAIL.COM CELL: (828) 551-9903

438 Morrison Farm Road (Lot #7 – Morrison Point North) **05-02-2021**
PIN# 4629-87-0337.000 (Iredell County, NC)
Saprolite System: No

Onsite Wastewater Septic System Overview:

The following report has been prepared by Alternative Septic Services (Steve Melin, LSS #1254) for a 3.172-acre lot at 438 Morrison Farm Road in Troutman (Iredell County), NC. Please note that a 4-bedroom house is proposed (480 GPD). Please note that the following report prepared is intended to be permitted under Session Law 2018-Section 11.c. **The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).**

Application Type:	Session Law (2018) (4-BDR)					
Number of Bedrooms:	Proposed Septic System	**GPD**	**Soil Group**	**Soil Texture**	**LTAR**	**Linear Feet Required Calculation (in Square and Linear Feet)**
Initial Septic System:	25% Reduction	480	IV	Clay	0.30	360 gpd / 0.30 gpd/ft^2 = 1,600 ft^2 1,600 ft^2/4. ft trench eq. = 400 ft (See calculations below)
Repair Septic System:	Aerobic Drip Irrigation	480	III	Clay Loam	0.30 drip LTAR	480 gpd / 0.30 gpd/ft^2 = 1,600 ft^2 or 800 linear feet of drip tubing 2' off center (See calculations below)
Easement Required:	No					

Alternative Septic Services, LLC

15 LONE COYOTE RIDGE, FLETCHER, NC 28732
EMAIL: SJMELIN@GMAIL.COM CELL: (828) 551-9903

Onsite Wastewater Septic System Configuration and Recommendations:

The following recommendations are proposed a 3.172-acre lot at 438 Morrison Farm Road in Troutman (Iredell County), NC. The proposed system design/layout is for a four-bedroom house. The septic area has been evaluated and determined to contain Group IV soils (the most restrictive texture being clay). A long-term acceptance rate (LTAR) of 0.30 has been assigned to these soils for the initial system area (also for the repair aerobic drip irrigation LTAR (Group III)) (*See attached soil descriptions).*

It is recommended to utilize a 25% Reduction type system for the septic drainfield. The (initial) septic system will require 400 linear feet of material to accommodate the 4-bedroom septic system. The recommended trench depth is 36-inches (on contour). It is anticipated that gravity flow can be maintained to the drainfield (if it cannot a pump tank setup will be required). The square and linear footage required for installation of this system is illustrated below.

4bedrooms x 120 gallon/day/bedroom = 480 gallons per day (gpd)
Group IV, Clay, 0.30 gallons per square foot per day (LTAR)
Square Footage required: 480 gpd / 0.30 LTAR = 1,600 square feet
1,600 ft^2/4.0' trench equivalency= 400 Linear Feet
NOTE: Not a Saprolite System

It is recommended to utilize an aerobic drip irrigation type system for the repair septic drainfield. The (repair) septic system will require 800 linear feet of drip tubing to accommodate the 4-bedroom septic system. The recommended drip tubing depth is 6-8 inches (on contour). The square and linear footage required for installation of this system is illustrated below.

4 bedroom home x 120 gallon per bedroom per day = 480 gallons per day (gpd)
Group III, Clay Loam, 0.30 gallons per square foot per day (Drip LTAR)
Square Footage required: 480 gpd / 0.30 LTAR = 1,600 square feet or 800 linear feet 2' o/c
Note: Not a Saprolite System

Alternative Septic Services, LLC

15 LONE COYOTE RIDGE; FLETCHER, NC 28732
EMAIL: SJMELIN@GMAIL.COM CELL: (828) 551-9903

The proposed septic system area has been delineated on the attached map. It is recommended/required to utilize 4 x 100 linear feet of material for the septic drainfield. *(See attached site plan for detail.)* It is also required to delineate the system again prior to installation.

Onsite Wastewater Septic System Setbacks (Buffers) and Site Recommendations:

The following items are recommended to preserve the integrity of the proposed site and surrounding area.

1. It is recommended to encase all septic system supply lines where they cross roads, drives and/or power lines (*pursuant to Laws and Rules for Sewage Treatment, and Disposal Systems 15A NCAC 18A .12,000*)
2. It is recommended to divert all stormwater runoff away from all proposed septic areas.
3. A minimum 1,000 gallon septic tank is recommended / required. The septic tank is proposed to feed four-hundred feet (400') of drainline by a distribution box with speed levelers (4 x 100') (see attached site plan).
4. Please notify us if there are any changes to the site plan.
5. The proposed septic system designs/layouts are based on dodging large trees or other obstacles that may hinder the installation or operation of the septic system.
6. The proposed onsite wastewater system is based off of theoretical calculations based on data obtained at the site. Actual system performance is not guaranteed.
7. The proposed initial septic system and repair system must maintain a setback (Buffer), specified by North Carolina Department of Environment and Natural Resources (NCDENR), including: 5' horizontal from the house and all foundations, 50' horizontal from any surface water, 100' horizontal minimum from all wells (can be reduced to 50' under circumstances), 5' horizontal from all property lines and water lines, 10' horizontal from any other septic system (except repair) and 8' horizontal from cut banks (unless filled and compacted, 5' horizontal setback).

Alternative Septic Services, LLC

15 Lone Coyote Ridge
Fletcher, NC 28732

5/2/2021

438 Morrison Farm Road (Lot #7)
PIN# 4629-87-0337.000 (Iredell County)
4-BDR (480 GPD)
Saprolite System: No

Septic System Calculation Worksheet

Initial System = 25% Reduction
Recommended Trench Depth: 36"

Gal / Day	Trench Width (Inches)	Trench Equivalency (Feet)	Soil Depth on 0% Slope
480	36	4	48

Slope	Auger#	Suitable Soil Depth (in.)	Total Suitable Depth/ Sap. Depth (in.)	Soil Needed (slope adjusted) (in.)	[1] Total Depth of Saprolite Required (2:1 ratio) factoring Soil Depth (in.)	Fill Material Required (in.)	Morphological Based Field LTAR
16%	A1	58	58	53.8	N/A	0	0.3
20%	A2	58	58	55.2	N/A	0	0.4
20%	A3	58	58	55.2	N/A	0	0.3
					LTAR Utilized		**0.30**
					Linear Feet Required		**400**

Repair System = Aerobic Drip Irrigation
Recommended Drip Tubing Depth: 6-8"

Gal / Day	Trench Width (Inches)	Trench Equivalency (Feet)	Soil Depth on 0% Slope
480			20

Slope	Auger#	Suitable Soil Depth (in.)	Total Suitable Depth/ Sap. Depth (in.)	Soil Needed (slope adjusted) (in.)	[1] Total Depth of Saprolite Required (2:1 ratio) factoring Soil Depth (in.)	Fill Material Required (in.)	Morphological Based Field LTAR
20%	A1	25	25	20.0	N/A	0	0.4
12%	A2	21	21	20.0	N/A	0	0.3
24%	A3	32	32	20.0	N/A	0	0.3
28%	A4	29	29	20.0	N/A	0	0.3
30%	A5	23	23	20.0	N/A	0	0.3
					LTAR Utilized		**0.30**
					Linear Feet Required		**800**

[1] [(soil depth needed-soil depth) x 2] + Soil depth = sap. Depth needed.
Above equation only to be used if the difference in soil depth needed and actual soil depth present = 12" or less

Alternative Septic Services, LLC

15 Lone Coyote Ridge
Fletcher, NC 28732

5/2/2021

438 Morrison Farm Road (Lot #7)
PIN# 4629-87-0337.000 (Iredell County)
4-BDR (480 GPD)
Saprolite System: No

Septic System Calculation Worksheet

Initial System = 25% Reduction
Recommended Trench Depth: 36"

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20%	A2	58	58	55.2	N/A	0	0.4
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480			20

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20%	A1	25	25	20.0	N/A	0	0.4
12%	A2	21	21	20.0	N/A	0	0.3
24%	A3	32	32	20.0	N/A	0	0.3
28%	A4	29	29	20.0	N/A	0	0.3
30%	A5	23	23	20.0	N/A	0	0.3
					LTAR Utilized		**0.30**
					Linear Feet Required		**800**

[1] [(soil depth needed-soil depth) x 2] + Soil depth = sap. Depth needed.
Above equation only to be used if the difference in soil depth needed and actual soil depth present = 12" or less

Morrison Point North

438 Morrison Farm Rd **SOIL/SITE EVALUATION** Sheet ___ of ___

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #:
DATE OF EVALUATION: 4-23-21
COUNTY: Iredell

S.172.A Lot #7

LICENSED SOIL SCIENTIST STEVEN J. MEIV SEAL STATE OF NORTH CAROLINA 1254

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
1	Linv 20+	Ap	0-8	lmgr /sl	FR	10 YR 3/3	20" / 25"	sl	25" ARI Cr	III 0.4 Drip
		Bw	8-20	lfsbk /sl	FR (ss)	7.5 YR 4/6				
		C	20-25	Ø Mx /sl	FR (sp)	+pm				
				25" An Cr						
2	Linv 12+	Ap	0-8	lmgr /sl	FR	10 YR 3/3	30		21" R-Box	III 0.3 Drip
		Bt	8-12	lmsbk /sl	FR (ss po)	10 YR 4/6				
		Bf	12-21	lmsbk /cl	Firm (st pl)	10 YR 5/6 +mcs				
			21-30+	Weathered Rock /c	Rock Fr	R-Box				
				Additional Repair Area						
3	Linv 24+	Ap	0-8	lmgr /sl	FR	10 YR 3/2	32		32" ARI Cr	III 0.3 Drip
		Bt	8-24	lmsbk /sl	FR (ss po)	10 YR 4/6				
		Bf	24-32	lmsbk /scl	FR	+pm				
				32" An /c						
4	Linv 28+	Ap	0-8	lmgr /sl	FR	10 YR 3/3	29"		29" ARI Cr	III 0.3+ Drip
		BA	8-20	lfsbk /sl	FR	10 YR 5/4				
		BCt	20-29	lmsbk /scl	FR (ss pl)	10 YR 4/6 +pm				
			29"	Cr						
5	Linv/ Cvn 30	Ap	0-8	lmgr /sl	FR	10 YR 3/3	30		23" R-Box	0.3+ Drip
		BA	8-17	lfsbk /sl	FR	7.5 YR 5/4				
		Bt	17-23	lmsbk /scl	FR (ss)	7.5 YR 4/6				
		Bt	23-30	lmsbk /scl	FR (ss)	+Rock				

COMMENTS:

Trench 6-8" Drip Depth 5-BDR

0.30 LTAR

4629-87-0337.000

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: ____
DATE OF EVALUATION: 4-29-21
COUNTY: Iredell

Mount Park. Lot 19

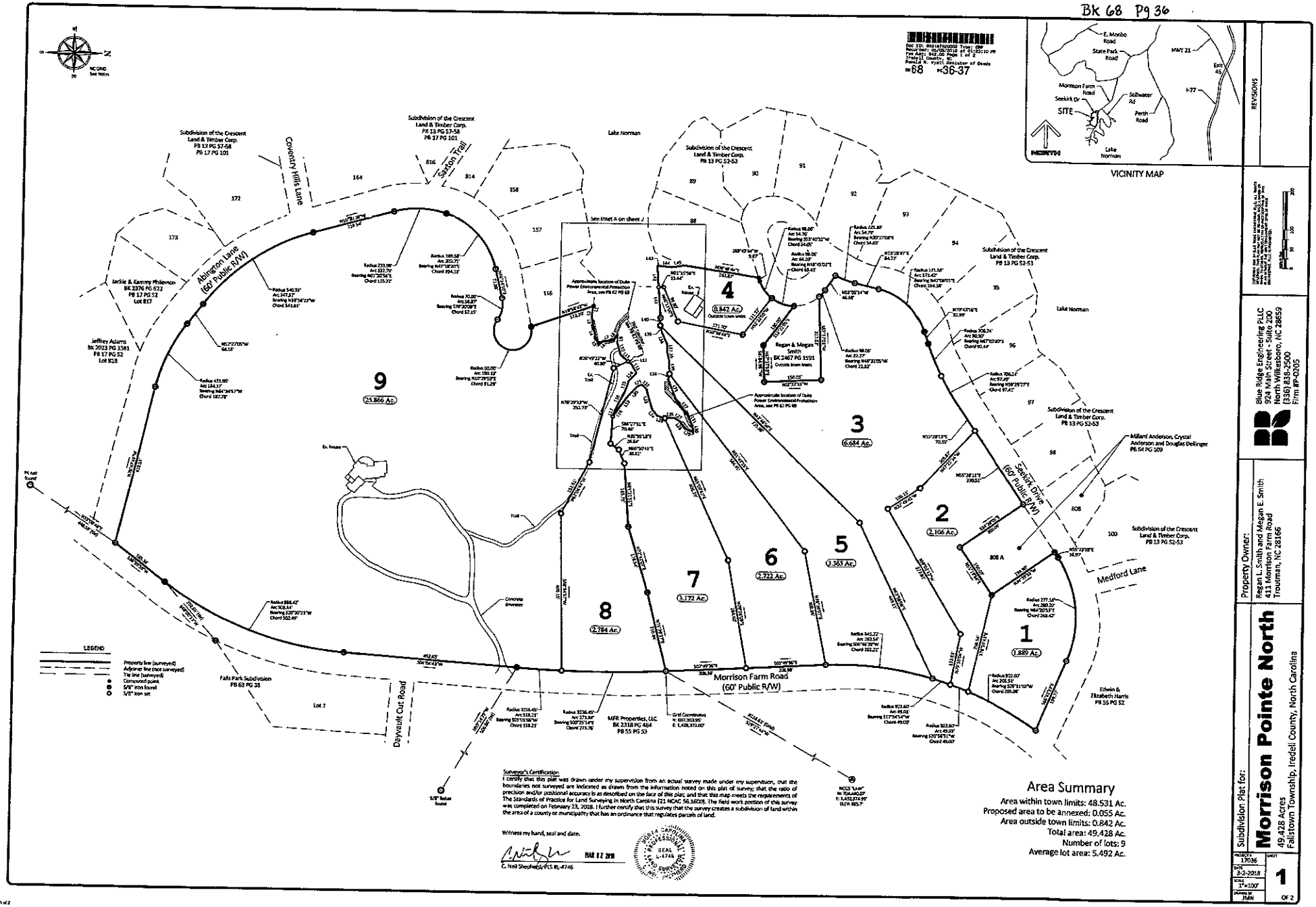
LICENSED SOIL SCIENTIST — STEVEN J. MEL — STATE OF NORTH CAROLINA — 4/30/21

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON	DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Lwr 16%	Bt	0-25	2m sbk / c	fri (vfi)	7.5YR 7/6	58"	-	—	IV 0.3
		B1	25-41	2m sbk / cl	fri (ss)	2.5Y 5/4				
		B2	41-58	1m sbk / sl	fri (ss)	5Y 5/2 + pm				
2	Lwr 20%	Bt	0-19	1sbk / c	fi (st)	2.5YR 4/6	58"			IV 0.4
		B12	19-33	2m sbk / scl	fri (ss st)	2.5Y 5/4				
		B1	33-58	1m sbk / sl	fri (ss st)	5YR 5/6 + pm				
3	Lwr 20%	Bt	0-25	2m sbk / c	fri	10YR 5/4	58"	-	-	IV 0.3
		Bt	25-58	1m sbk / scl	fri (vfi)	2.5YR 4/6				
4										

COMMENTS: 37-38" Restrictive horizon

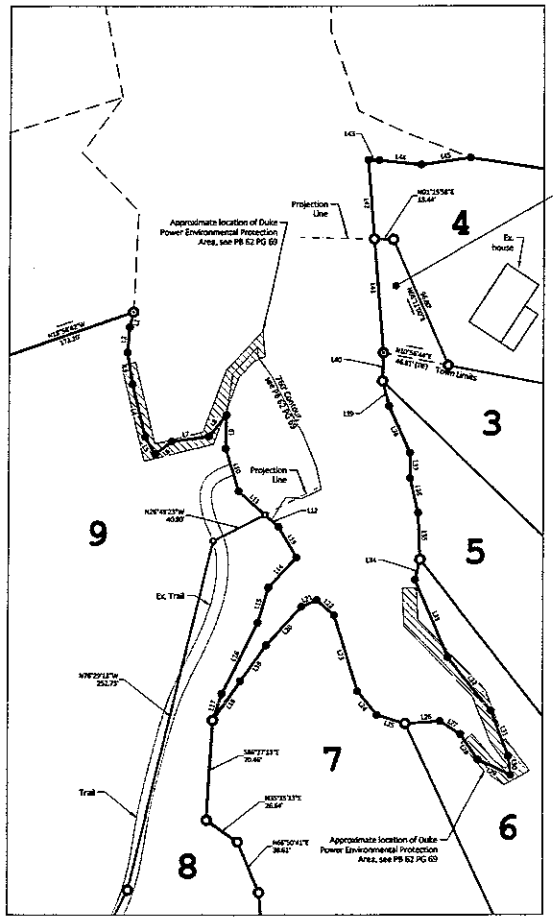
4-BOR

Bk 68 Pg 36


Subdivision Plat for:
Morrison Pointe North
Property Owner:
Regan L. Smith and Megan E. Smith
411 Morrison Farm Road
Troutman, NC 28166
Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
(336) 838-2500
Firm #P-0205
REVISIONS
VICINITY MAP
SITE
E. Monbo Road
State Park Road
HWY 21
Exit 45
I-77
Morrison Farm Road
Seekirk Dr
Stillwater Rd
Perth Road
Lake Norman
Abington Lane (60' Public R/W)
Coventry Hills Lane
Carlton Trail
Seekirk Drive (60' Public R/W)
Medford Lane
Morrison Farm Road (60' Public R/W)
Deyvault Cut Road
Falls Park Subdivision PB 63 PG 38
Subdivision of the Crescent Land & Timber Corp. PB 13 PG 57-58 PB 17 PG 101
Subdivision of the Crescent Land & Timber Corp. PB 13 PG 52-53
Jackie & Kammy Philemon BK 2376 PG 822 PB 17 PG 52 Lot 817
Jeffrey Adams Bk 2013 PG 1381 PB 17 PG 52 Lot 818
Regan & Megan Smith BK 2467 PG 1591
MFR Properties, LLC BK 2318 PG 464 PB 55 PG 53
Millard Anderson, Crystal Anderson and Douglas Dellinger PB 64 PG 109
Edwin & Elizabeth Harris PB 55 PG 52
Approximate location of Duke Power Environmental Protection Area, see PB 67 PG 68
Lake Norman
1 1.889 Ac.
2 2.106 Ac.
3 6.684 Ac.
4 0.842 Ac. Outside town limits
5 3.363 Ac.
6 2.722 Ac.
7 3.172 Ac.
8 2.784 Ac.
9 25.866 Ac.
LEGEND
Property line (surveyed)
Adjoiner line (not surveyed)
Tie line (surveyed)
Concrete post
5/8" iron found
5/8" iron set
Area Summary
Area within town limits: 48.531 Ac.
Proposed area to be annexed: 0.055 Ac.
Area outside town limits: 0.842 Ac.
Total area: 49.428 Ac.
Number of lots: 9
Average lot area: 5.492 Ac.
Surveyor's Certification
I certify that this plat was drawn under my supervision from an actual survey made under my supervision, that the boundaries not surveyed are indicated as drawn from the information noted on this plat of survey; that the ratio of precision and/or positional accuracy is as described on the face of this plat; and that this map meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600). The field work portion of this survey was completed on February 23, 2018. I further certify that this survey that the survey creates a subdivision of land within the area of a county or municipality that has an ordinance that regulates parcels of land.
Witness my hand, seal and date.
MAR 02 2018
C. Neil Shepherd, PLS #L-4746
NORTH CAROLINA PROFESSIONAL SEAL L-4746 LAND SURVEYOR
PROJECT # 17036
DATE 3-2-2018
SCALE 1"=100'
DRAWN BY JMH
SHEET 1
OF 2

Line Table		
Line #	Length	Direction
L1	10.84	S76° 01' 35"E
L2	17.73	S85° 20' 59"E
L3	22.92	N81° 00' 50"E
L4	38.34	N76° 15' 49"E
L5	13.86	N60° 15' 02"E
L6	14.60	N37° 35' 01"W
L7	26.24	N08° 11' 42"W
L8	19.48	N51° 03' 13"W
L9	23.85	S88° 38' 42"E
L10	31.26	N72° 56' 49"E
L11	25.07	N41° 15' 01"E
L12	13.06	N41° 13' 01"E
L13	24.93	N59° 09' 49"E
L14	29.18	S46° 49' 38"E
L15	25.82	S73° 08' 32"E
L16	55.90	S63° 18' 24"E
L17	19.71	S71° 34' 37"E
L18	33.66	N55° 10' 46"W
L19	31.16	N54° 13' 37"W
L20	36.75	N47° 18' 40"W
L21	11.88	N23° 29' 27"W
L22	16.38	N41° 43' 39"E
L23	55.81	N72° 45' 50"E

Line Table		
Line #	Length	Direction
L24	21.68	N50° 36' 18"E
L25	20.82	N16° 59' 10"E
L26	24.52	N03° 46' 49"W
L27	17.71	N31° 44' 59"E
L28	21.75	N55° 23' 09"E
L29	25.60	N25° 03' 10"E
L30	18.42	S82° 46' 32"W
L31	34.35	S68° 41' 26"W
L32	48.93	S50° 37' 05"W
L33	59.22	S66° 56' 50"W
L34	14.73	N75° 59' 36"W
L35	51.89	S62° 46' 30"W
L36	24.82	S76° 38' 28"W
L37	17.98	S89° 42' 10"W
L38	36.03	S65° 35' 56"W
L39	18.37	S75° 04' 54"W
L40	19.83	N68° 29' 22"W
L41	80.73	S85° 21' 44"W
L42	55.86	S85° 21' 44"W
L43	7.50	N01° 12' 44"E
L44	30.02	N05° 57' 44"E
L45	35.59	N07° 42' 16"W



Inset A
1" = 40'

Note:
This area of lot 3 lies outside of the town limits, to be annexed (0.055 Ac.)

Surveyor's Notes:

1. The property which is the subject of this survey includes all of the land described in Deed Book 2273, Page 1456 and Deed Book 2491, Page 1937, Iredell County Registry. The property owner shown in the deed at the time of survey was: Regan L. Smith and Megan E. Smith.
2. This survey is classified as an Urban Land Survey (Class A) having a calculated ratio of precision better than 1:10,000 before adjustments, and/or neither axis of the 95 percent confidence level error ellipse for any control point or property corner exceeds 0.10 feet.
3. The grid tie shown on this map was taken from an actual GPS survey made under my supervision. The GPS portion of this survey meets the classification requirements of an Urban Land Survey (Class A) such that neither axis of the 95 percent confidence level error ellipse for the project control point(s) exceeds 0.10 feet. The GPS survey was performed on April 3, 2015 with two Trimble R3 static L1 receivers with Trimble A3 antennas. The geoid model used was GEOID12A. Vectors were adjusted utilizing Trimble Geomatics Office Business Solutions software. The horizontal positional accuracy relative to the control station is 0.02 feet. The vertical positional accuracy relative to the control station is 0.04 feet. The combined grid factor at the project control point is 0.99998818745. All bearings shown are relative to NC grid, NAD 83. All Elevations shown are relative to NAVD 88. All distances shown are horizontal distances in U.S. Survey Feet unless otherwise noted. All areas shown were computed by coordinate computation.
4. This plat reflects information discovered by the surveyor in the normal course of work and does not necessarily show every possible condition affecting the property. This property may be subject to easements and/or rights-of-way of record not shown. Other easements, rights-of-ways, building ordinances, zoning, and other legal encumbrances may also exist. Adjoining property owner information was obtained from Iredell County GIS. See prior surveys recorded in: Plat Book 55, Page 52; Plat Book 62, Page 69; and Plat Book 51, Page 116, for additional boundary information.

NORTH CAROLINA PROFESSIONAL LAND SURVEYOR SEAL L-4393

MAR 02 2018

Certificate of Ownership and Dedication
I hereby certify that I am the owner of the property shown and described hereon, which is located in the subdivision jurisdiction of the Town of Troutman and that I hereby adopt this plan of subdivision with my free consent and establish minimum lot size and building setback lines as noted.

Regan L. Smith — 3/7/18 Date

Megan E. Smith — 3-7-18 Date

Proximity to Voluntary Farmland Preservation District
This property, or portions thereof, is not located within 1/2 mile of a designated Farmland Preservation District.

Certificate of Approval for Recording
I hereby certify that the subdivision plan shown hereon has been found to comply with the Town of Troutman, North Carolina, Unified Development Ordinance and that this plat has been approved for recordation in the Iredell County Register of Deeds office.

Subdivision Administrator — 3-7-18 Date

Watershed Certificate
All lots within this subdivision, to the best of my knowledge, lie within a Water Supply Watershed as designated by the North Carolina Division of Environmental Management. Impervious area restriction apply.

Subdivision Administrator — 3-7-18 Date

Review Officer Certificate
_____ Review Officer of Iredell County certify that the map or plat to which this certification is affixed meets the statutory requirements for recording.

Review Officer Date — 3-7-18

REVISIONS

DRAWING AND DESIGN ARE THE PROPERTY OF BLUE RIDGE ENGINEERING P.L.L.C. AND MAY NOT BE REPRODUCED OR USED IN ANY WAY WITHOUT THE EXPRESS WRITTEN CONSENT OF BLUE RIDGE ENGINEERING P.L.L.C. ANY UNAUTHORIZED USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN CONSENT OF BLUE RIDGE ENGINEERING P.L.L.C. WILL BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

0 10 20 40

Blue Ridge Engineering P.L.L.C.
924 Main Street - Suite 200
North Wilkesboro, NC 28659
(336) 838-2500
Firm #P-0205

Prepared for:
Regan L. Smith and Megan E. Smith
411 Morrison Farm Road
Troutman, NC 28166

Subdivision Plat for:
Morrison Pointe North
49.428 Acres
Fallstown Township, Iredell County, North Carolina

PROJECT # 17036
DATE 3-2-2018
SCALE 1"=40'
DRAWN BY JMAN
SHEET 2 OF 2

Session Law

RECEIVED SEP 2 - 2021

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

AP- 320918

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM*

Paid $500.00

Application For: (✓) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (No floorplan submitted with App.) (✓) Authorization to Construct (Floorplan submitted with App.) ( ) 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 ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Place an (X) beside whichever is submitted if applicable

Applicant Information: (PRINT CLEARLY)

Applicant Name: Tammy Lawley Address: 3924 Mt. Olive Church Rd Newton Zip: 28658

Applicant Email: build the lake@gmail.com Phone: 704-361-1987 Alt. Phone: _____

Owner Name: Chuck Bodwell Address: 126 Town Loop Apt 106 Mooresville Zip: 28117

Owner Email: Chuck.bodwell@gmail.com Phone: 850-384-4456 Alt. Phone: _____

Property Information:

Street Address: 438 Morrison Farm Rd. Troutman N.C.

Subdivision Name: _____ Section/Phase: _____ Lot Number: _____

Driving Directions: State Park Rd, (L) Morrison Farm Rd

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

(✓) 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: 3 4 Tw
Maximum Number of Occupants: 4
( ) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
(✓) 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: _____

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: Tammy Lawley 8/24/21

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☐ **1. * APPLICANT AND OWNER ARE THE SAME. * (*Sign here*)** _____

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative: *Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship*
In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:
Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form. If there are multiple property owners, then all property owners must sign the form that designates a legal representative.
By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

☑ **2.** I, Chuck Bodwell, am the legal owner(s) of the property located at 438 Morrison Farm Rd Troutman, identified as PIN (Parcel Identification Number) _____, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Tammy Lawley Fourtees Inc., to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Billy J. Bodwell
Signature of Owner(s)

August 26, 2021
Date

Mooresville - Environmental Health
barbara.nebel@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

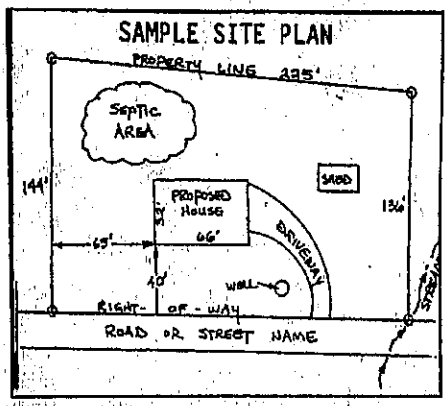
Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*



Place an (X) beside each item as you complete the site plan:

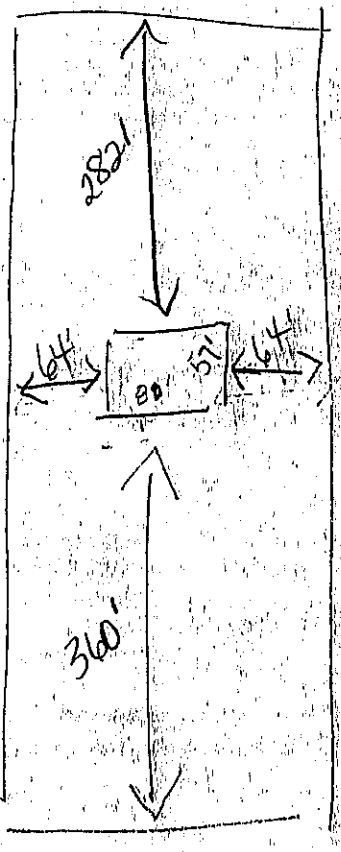
- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location and well location
- (X) Area you prefer your septic system to be placed
- (X) North arrow, or other sufficient indicator of direction

Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property:	N/A
Location of easements and rights of ways on your property	N/A
Location of any designated wetlands on the property	N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

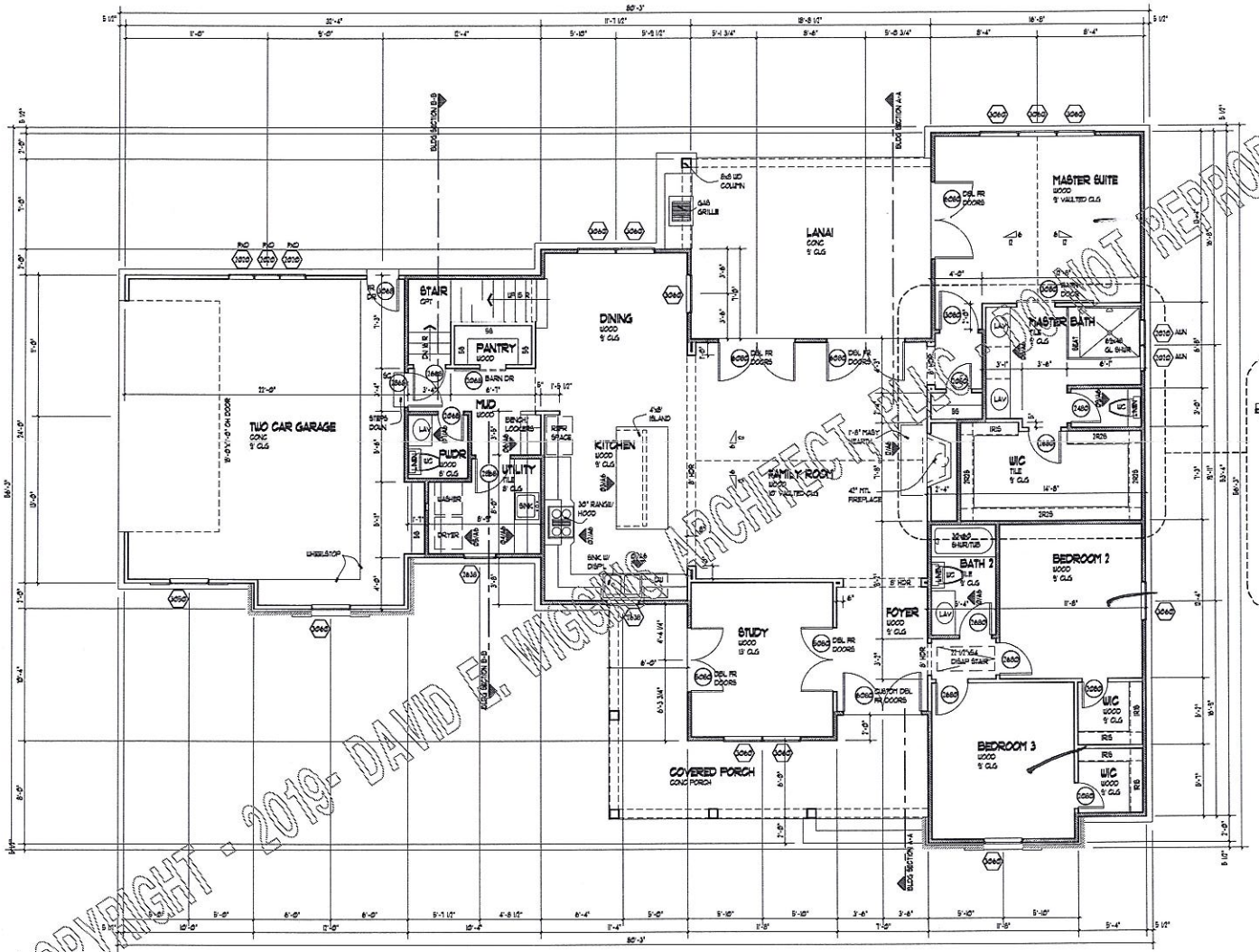


Signature: Tammy Lawley

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

8/26/21

DATE



FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

OPT'L BATH

SCALE: 1/4" = 1'-0"

AREAS:	
FIRST FLOOR =	1858 SF
BONUS =	336 SF
GARAGE =	555 SF
FRONT PORCH =	226 SF
LANAI =	397 SF
TOTAL COVERED AREA =	3374 SF

WALL TYPES

- 2x4@5 @ 16" O.C.
- 2x4@5 @ 16" O.C. W/ 3 1/2" BATT INSUL
- 2x6@5 @ 16" O.C. W/ 5 1/2" BATT INSUL
- 2x4@5 @ 16" O.C. W/ 5/8" GYP. BD. EACH SIDE
- 2x6@5 @ 16" O.C.- BALLOON FRAME
- 2x6@5 @ 16" O.C. W/ BRICK VENEER

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Acknowledgement of Plans Submittal ONLY!

Date 11/21/21

Date 9/29/21

houseplans by davidwigginsarchitect
PO Box 256 - Magnolia, Texas - 77353 - (832) 521-5829

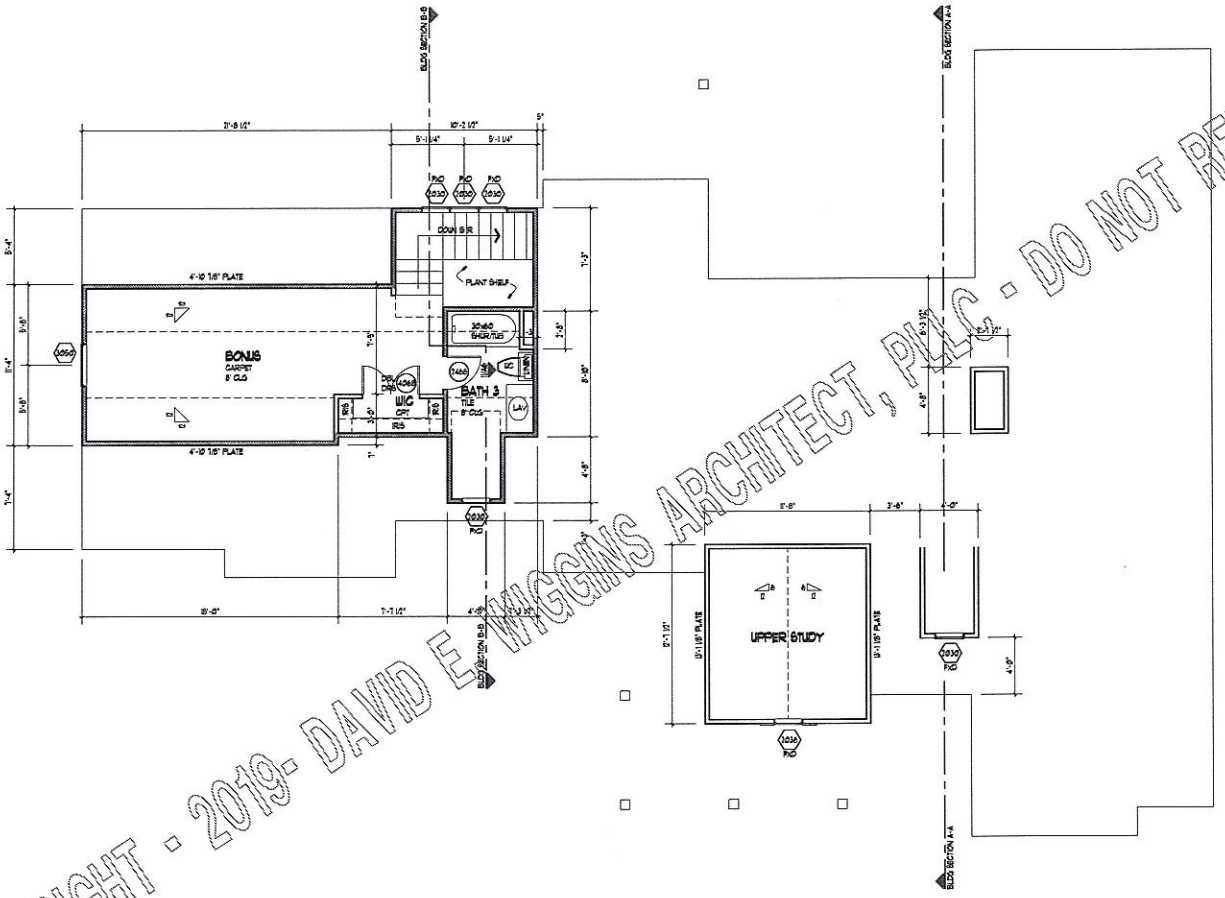
PROJECT: MILL CREEK FARM
PLAN 1988

REVISIONS

DATE: DECEMBER 19, 2019

A1
OF A9

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SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"

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Acknowledgement of Plans Submittal ONLY!

Tammy Fawley Date 9/29/21

Date 1/26/21

houseplansby davidwigginsarchitect
PO Box 256 • Magnolia, Texas • 77353 • (832) 521-5220

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PROJECT:

MILL CREEK FARM

PLAN 1983

REVISIONS

DATE:

DECEMBER 19, 2019

A2

OF A9

Zoning Permit # 320918

Town of Troutman
Enjoy Lake Norman... Naturally

Zoning Application ($45.00 application fee)				
LOCATION	Today's Date	8/25/21	Tax Parcel / PIN #	
	Business Name or Property Owner	Chuck Bodwell - Prop. owner		
	Street Address & Lot Number	438 Morrison Farm Rd Troutman		
	Business Type and/or Project Description	New home construction		
APPLICANT	Applicant	Tammy Lawley G.C	Preferred Phone	704-361-3130
	Mailing Address City/State/Zip	3924 Mt. Olive Church Rd. Newton 28658		
	E-Mail	build the lake@gmail.com		

Please provide a drawing of your property in the space below or attached in a separate document showing the layout of your home or business on the lot. If applicable, please clearly note expansions. Following the approval of this permit proceed to Iredell County Building Standards (349 N Center Street, Statesville NC 28677 704-878-3118). All applicants, please note that final inspection by the Town of Troutman is recuired prior to occupancy. Business applicants, note that proof of RPZ (backflow) inspections is required prior to occupancy (in addition, restaurants may be required to have a grease trap inspection.)

Office Use Only					
Zoning District(s)	RS	TL ☒ ETJ ☐	Plans Attached	Yes ☒	No ☐
Utilities	Town Water		Floodplain	Yes ☐	No ☒
Permitted Use of Property	Single-Family Residential				
Minimum Setback Requirements	Front 25' Rear 25' Left Side 15' Right Side 15' *Setback measured from nearest projecting point of structure to Property Line.*				

Reviewer notes and comments: Water meter and final zoning inspection required prior to CO

I hereby certify that all of the information provided for this application is, to the best of my knowledge, accurate and complete. I understand that this permit will expire and become invalid unless the work for which it was issued is started within six (6) months of the date of issue or is the work authorized is suspended or abandoned for a period of one (1) year.

Tammy Lawley
Signature of Applicant

To the best of my knowledge, this application is deemed complete and approved based on the information provided to me and my knowledge of the Town of Troutman Unified Development Ordinance

Signature of Zoning Administrator