ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

DLNR - 2023-15179

PERMIT # OSWP-2022-85

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

PIN # 4740 --19 --2847

APPLICANT/OWNER: Michael Athanas & Associates APPLICANT ADDRESS: 2630 Statesville Blvd Salisbury NC 28147.

SITE ADDRESS: 124 Falls Leaf Drive Troutman NC 28166 PHONE: 704-310-1832 ALT. PHONE

SITE DIRECTIONS: Perth to Autumn Leaf to Falls Leaf SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Windstone & Autumn Leaf SECTION: LOT # 3 LOT AREA: DESIGN FLOW: 360 L.T.A.R.: .25

Septic Tank	1000	(gal)	STB	760	Date	4-23-23	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank	1000	(gal)	PT	1000	Date	5-1-23	System Description: PM 25% Reduction				
Pump Make		Model			Serial #		Repair System Description: Horizontal PPBPS-50% Reduction				
# Nitrification Fields	1	# Lines	4		Linear Ft	360	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36 in	Trench Bottom Depth(Low side)	36 in max		Gravel Depth	—		☐ GRAVITY	☒ PRESSURE		

☒ Residence	No. Bedrooms	3	**Water Supply**
☐ Business	No. Persons	6	☒ Private
☐ Other	No. Employees		☐ Public
☒ Slab	☐ Crawl Space		☐ Community
☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

See attached site plan & Design by Michael Athanas & Associates

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.

need filter in tank ✓ BB

Tanks - 6/9/23 SH

DRAINLINES - 6-13-2023 BCW

1/16/23 Electrical, Alarm, PH

~~STILL~~ Needs riser~~s~~

riser 1/18/24 DW

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: Online Signature Date: Installed by: GUNTER'S GRADING

IMPROVEMENT PERMIT by: Benjamin A. Butts Date: 11-14-22 OPERATION PERMIT by: D. Wiebey Date: 1/18/24

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Butts Date: 11-16-2022 Existing System Inspected by: Date:

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

BLDR - 2023 - 15179

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP - 2022 - 8351

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

PIN # 4740 -19 -2847

APPLICANT/OWNER: Michael Athanas & Associates APPLICANT ADDRESS: 2630 Statesville Blvd Salisbury NC 28147.

SITE ADDRESS: 124 Falls Leaf Drive Troutman NC 28166 PHONE: 704-310-1832 ALT. PHONE

SITE DIRECTIONS: Perth to Autumn Leaf to Falls Leaf SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Windstone & Autumn Leaf SECTION: LOT # 3 LOT AREA: DESIGN FLOW: 360 L.T.A.R.: .25

Septic Tank 1000 (gal)	STB 760	Date 4-23-23	☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI		☒ Residence	No. Bedrooms 3	Water Supply	
Pump Tank 1000 (gal)	PT 1000	Date 5-1-23	System Description: PM 25% Reduction		☐ Business	No. Persons 6	☒ Private	
Pump Make	Model	Serial #	Repair System Description: Horizontal PPBPS-50% Reduction		☐ Other	No. Employees	☐ Public	
# Nitrification Fields 1	# Lines 4	Linear Ft 360	Maintenance Agreement Required: ☐ YES ☒ NO		☒ Slab	☐ Crawl Space	☐ Community	
Trench Width 36 in	Trench Bottom Depth(Low side) 36 in max	Gravel Depth —	☐ GRAVITY ☒ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

See attached site plan + Design by Michael Athanas + Associates

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.

need filter in tank ✓ BB

Tanks - 6/9/23 SH

DRAINLINES - 6-13-2023 BCW

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: Online Signature Date: Installed by: GUNTER'S GRADING

IMPROVEMENT PERMIT by: Benjamin A Bolton Date: 11-14-22 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Bryan A Bolton Date: 11-16-2022 Existing System Inspected by: Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

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

Reference: Data Sheet for Lot 3 Windstone Crossing; Iredell County, NC

House Footprint: 68' x 66'; **Slab Foundation**
Building Setback: 25' Front; 15' Sides and 25' Rear
Water Source: Private Well
Proposed Gallon Per Day: 3 bedrooms/360 gpd
Proposed LTAR: 0.25 gpd/ft2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.25 gpd/ft2
Repair System Type: Horizontal PPBPS
Distribution: Pressure Manifold
Flow per Tap: 2 @ ½" SCH 80 at 5.48 gpm; 2 @ ½" SCH 40 at 7.11 gpm
Tap Size and Material: ½" SCH 80; ½" SCH 40
System Flow: 25.18 gpm
Dosing Volume: 157.50 gallons per dose
Pump Run Time: 6.25 minutes
Elevation Head: 9.5'
Friction Head: 1.58'
Pressure Head: 2'
Total Dynamic Head: 13.08'
Supply Line Length: 120'
Septic/Pump tank size: 1000 gallon septic tank; 1000 gallon pump tank
Trench Bottom: 36" (initial), 20" (repair)

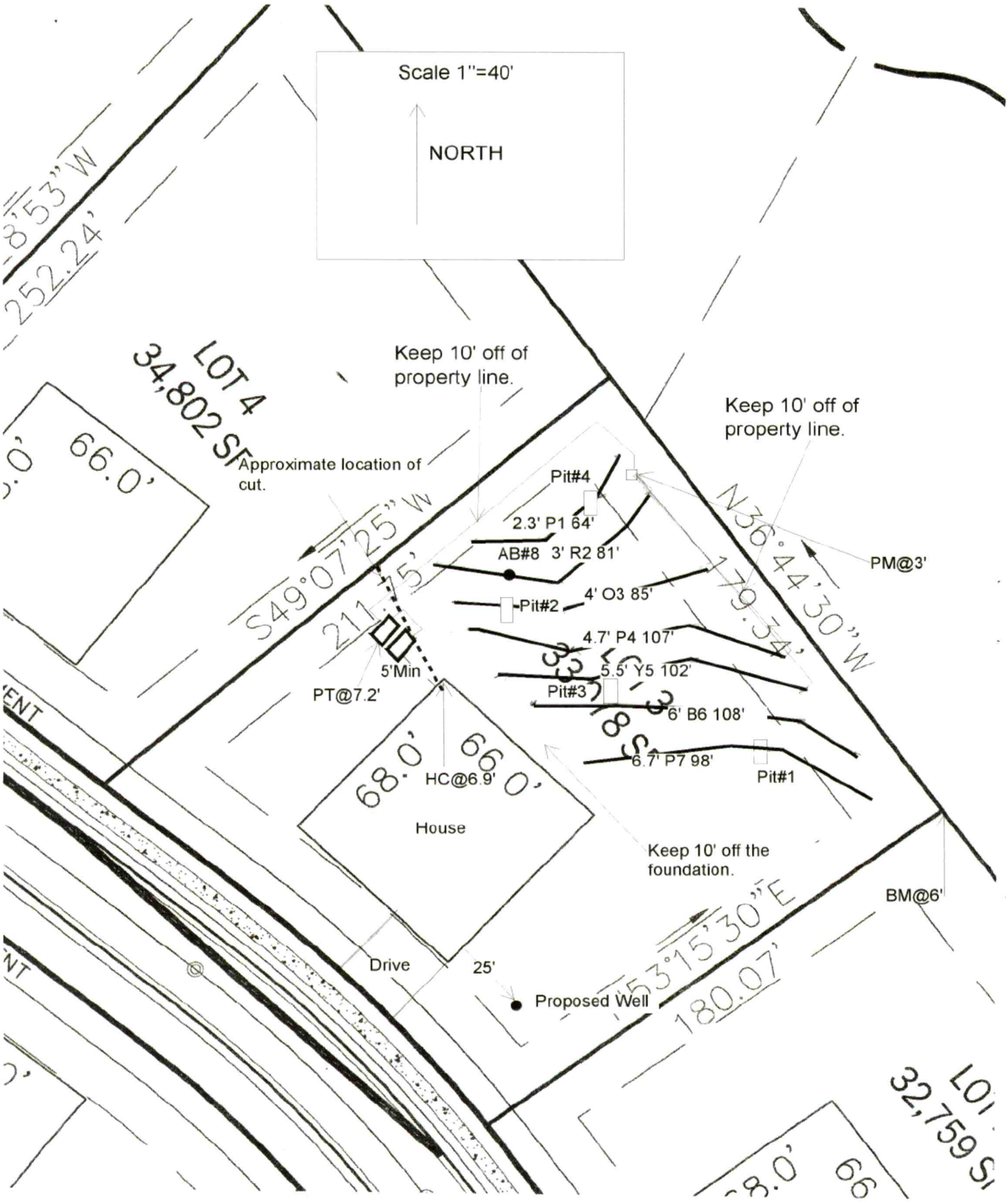
Line	Design Length	Actual Length	Elevation
Pink 1		64'	2.3'
Red 2	**80'**	**81'**	**3'**
Orange 3	**80'**	**85'**	**4'**
Pink 4	**100'**	**107'**	**4.7'**
Yellow 5	**100'**	**102'**	**5.5'**
Blue 6		108'	6'
Pink 7		98'	6.7'

Initial System: 360' 25% Reduction **Repair System:** 270' PPBPS
Pressure Manifold: 3' **House Corner:** 6.9' **Pump Tank:** 7.2'
Bench Mark: 6' See Site Plan

Comments: The purpose of the evaluation is to permit this site for a 3-bedroom residence.

- Not cuts of 2' or more within 15' of the system area.
- No foundation drains within 15' of the system area.
- Keep all parts of the system 15' from top of the cut.


Scale 1"=40'
NORTH
-8'53" W
252.24'
LOT 4
34,802 SF
Keep 10' off of property line.
Keep 10' off of property line.
Approximate location of cut.
66.0'
Pit#4
2.3' P1 64'
AB#8 3' R2 81'
S49°07'25" W
211.75'
Pit#2
4' O3 85'
4.7' P4 107'
5.5' Y5 102'
Pit#3
6' B6 108'
6.7' P7 98'
Pit#1
N36°44'30" W
179.34'
PM@3'
5'Min
PT@7.2'
68.0'
66.0'
HC@6.9'
House
Keep 10' off the foundation.
BM@6'
Drive
25'
Proposed Well
N53°15'30" E
180.07'
LOT
32,759 SF


Scale 1"=40'
NORTH
LOT 4
34,802 SF
Keep 10' off of property line.
Keep 10' off of property line.
Approximate location of cut.
Pit#4
2.3' P1 64'
AB#8 3' R2 81'
4' O3 85'
Pit#2
4.7' P4 107'
5.5' Y5 102'
Pit#3
6' B6 108'
6.7' P7 98'
Pit#1
PM@3'
5'Min
PT@7.2'
HC@6.9'
House
Keep 10' off the foundation.
BM@6'
Drive
25'
Proposed Well
66.0'
68.0'
211.75'
179.34'
180.07'

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 *of* 1
PROPERTY ID #: Lot 3 Windstone Crossing; PID#4740098843.000
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Windstone Crossing LLC APPLICATION DATE:
ADDRESS: 15 FROWEIN RD BLDG G2 CTR MORICHES NY 11934 DATE EVALUATED: 6/2022
PROPOSED FACILITY: 3 Bedroom Residence PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 0.76 Acres
LOCATION OF SITE: Off of Autumn Leaf Road Troutman, NC PROPERTY RECORDED: To be 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	
Pit 1	L 5-6 %	0"-6"	Br CL WSBK	Compacted	Lithochromic colors included.	60"	Few to common saprolite inclusions 30"-60"		0.25
		6"-30"	R C ABK	SS SP FR SEXP					
		30"-60"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 5-6 %	0"-8"	Br CL WSBK	Compacted	Lithochromic colors included.	58"	Few to common saprolite inclusions 27"-58"		0.25-0.275
		8"-27"	R C ABK	SS SP FR SEXP					
		27"-58"	R CL WSBK	SS SP FR SEXP					
AB 8	L 5-6 %	0"-8"	RBr CL WSBK	SS SP FR SEXP		48"			0.3
		8"-48"	R C SBK	SS SP FR SEXP					
Pit 3	L 5-6 %	0"-12"	R C Compacted	SS SP FR SEXP		60"	Few to common saprolite inclusions 43"-60"		0.275
		12"-31"	R C ABK	SS SP FR SEXP					
		31"-43"	R C WSBK	SS SP FR SEXP					
		43"-60"	R CL WSBK	SS SP FR SEXP					
Pit 4	L 5-6 %	0"-17"	YBr CL WSBK	SS SP FR SEXP	YBrs 27"+	51"	Few to common saprolite inclusions 38"-51"		0.25 Chroma's ≥ 32
		17"-38"	R C ABK	SS SP FR SEXP					
		38"-51"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1080 FT2	810 ft2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

Horizontal Dmt Max 20 Feet

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 *of* 1
PROPERTY ID #: Lot 3 Windstone Crossing; PID#4740098843.000
COUNTY: Iredell

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for ON-SITE WASTEWATER SYSTEM

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PROPOSED FACILITY: 3 Bedroom Residence PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 0.76 Acres
LOCATION OF SITE: Off of Autumn Leaf Road Troutman, NC PROPERTY RECORDED: To be recorded
WATER SUPPLY: Private Ξ Public Well Spring Other
EVALUATION METHOD: Auger Boring Ξ Pit Cut TYPE OF WASTEWATER: Ξ 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	
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		6"-30"	R C ABK	SS SP FR SEXP					
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Pit 2	L 5-6 %	0"-8"	Br CL WSBK	Compacted	Lithochromic colors included.	58"	Few to common saprolite inclusions 27"-58"		0.25-0.275
		8"-27"	R C ABK	SS SP FR SEXP					
		27"-58"	R CL WSBK	SS SP FR SEXP					
AB 8	L 5-6 %	0"-8"	RBr CL WSBK	SS SP FR SEXP		48"			0.3
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Pit 3	L 5-6 %	0"-12"	R C Compacted	SS SP FR SEXP		60"	Few to common saprolite inclusions 43"-60"		0.275
		12"-31"	R C ABK	SS SP FR SEXP					
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Pit 4	L 5-6 %	0"-17"	YBr CL WSBK	SS SP FR SEXP	YBrs 27"+	51"	Few to common saprolite inclusions 38"-51"		0.25
		17"-38"	R C ABK	SS SP FR SEXP					
		38"-51"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1080 FT2	810 ft2
System Type(s)	25% Reduction	Hor PPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

+ Change Repair Type

Lot 3

PERMIT SNAPSHOT REPORT OSWP-2022-8351 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	11/01/2022
Work Class:	EH Septic Improvement Permit	**District:**	Troutman	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Botkins, Ben	**Approval Expire Date:**	
Description:	Exp Review				

Parcel: 4740192847.000 Main	**Address:** 124 Falls Leaf Dr Troutman, NC 28166 Main	**Zone:** RS(Suburban Residential District)

Applicant/Authorized Agent
Michael Athanas & Associates
Gary McNeely
2630 Statesville Blvd
Salisbury, NC 28147
Mobile: (704) 310-1832

Property Owner
WINDSTONE CROSSING INC
15 FROWEIN RD STE G-2
CENTER MORICHES, NY 2862
Business: (704) 528-8450

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	see attached plan	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	3	Number of Occupants	6
Foundation Type	Crawl Space Foundation	Water Supply	New Well	Desired Septic System Type	No Preference
If other septic system type, please explain		Has this project been approved by TRC	Yes	Front Setback	25
Back Setback	25	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Nov 2 2022 12:00AM	Zoning Permit Expiration Date	May 1 2023 12:00AM	Is the structure or development in the floodplain	No
Is the property in a local historic district?	No	Is the property located downtown?	No	Zoning Notes/Addendums	Single-Family Home on well and septic
Additional Unique Setbacks Apply	No	Watershed	WSIV PA CATAWBA/LAKE NORMAN		

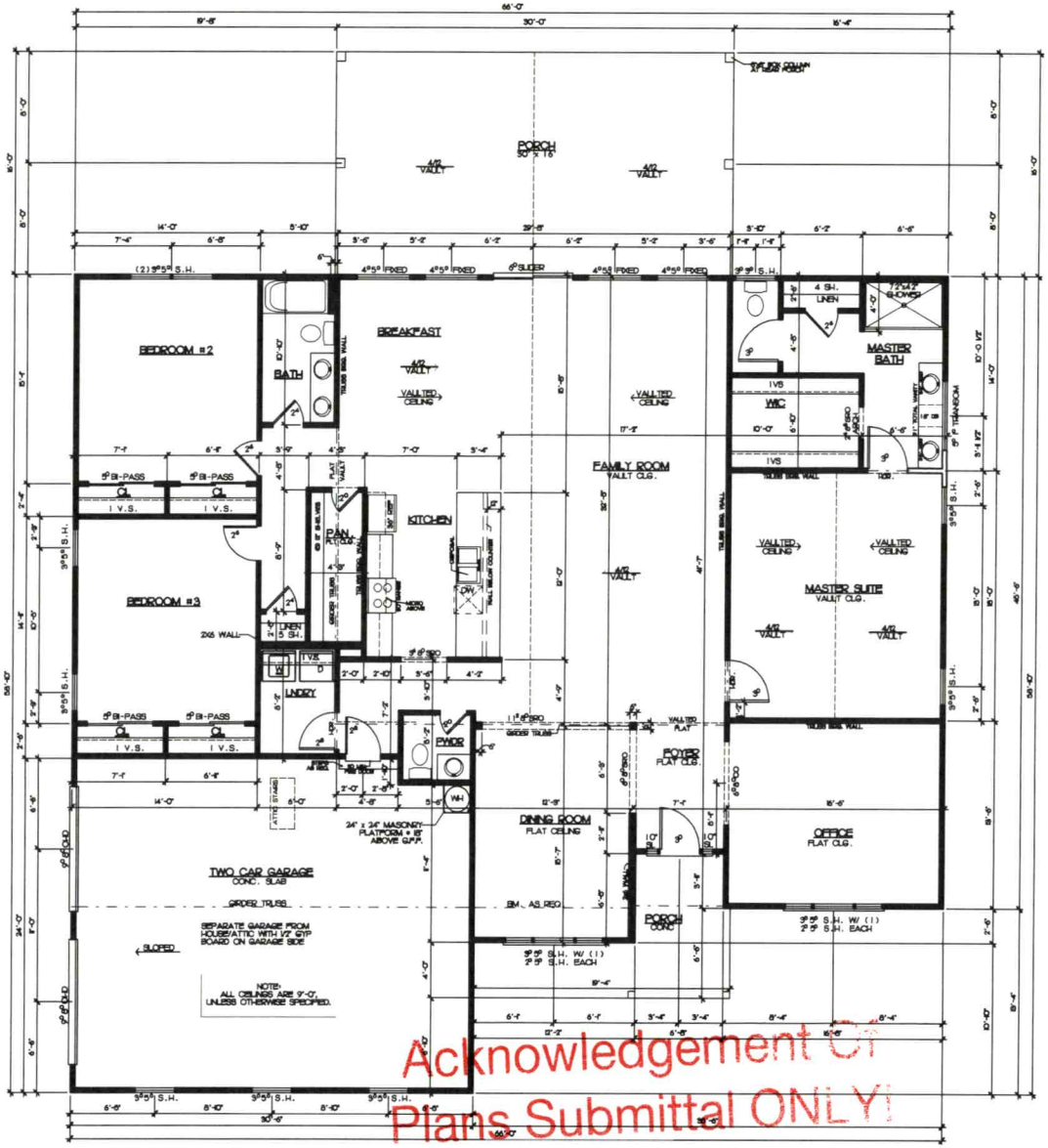
Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_11/1/2022.jpg	11/01/2022 16:09	McNeely, Gary		Uploaded via CSS
Autumn Leaf 3 AF_v1.pdf	11/02/2022 12:34	Comeaux, Debra	Available Online	Authorize to Act as Agent
Autumn Leaf 3 Soil_v1.doc	11/02/2022 12:34	Comeaux, Debra	Available Online	Additional Supporting Information
Autumn Leaf 3_v1.doc	11/02/2022 12:34	Comeaux, Debra	Available Online	Additional Supporting Information
Autumn Leaf 3_v1.pdf	11/02/2022 12:34	Comeaux, Debra	Available Online	Site Plan
Autumn Leaf FT_v1.pdf	11/02/2022 12:34	Comeaux, Debra	Available Online	Additional Supporting Information

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00004589	Troutman Zoning Fee	$45.00	$45.00
	New Gravity System	$350.00	$350.00
	Total for Invoice INV-00004589	$395.00	$395.00
	Grand Total for Permit	**$395.00**	**$395.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		11/02/2022 0:00	11/02/2022 12:35
Confirm application complete v.1	Generic Action		11/02/2022 12:35

PERMIT SNAPSHOT REPORT (OSWP-2022-8351)

Zoning Review v.1		11/02/2022 0:00	11/02/2022 13:10
Troutman Zoning Approval v.1	Task	11/02/2022 0:00	11/02/2022 13:10
Issue Invoice v.1	Generic Action		11/02/2022 13:10
Fees Paid v.1	Generic Action		11/02/2022 13:10
Fees v.1		11/02/2022 0:00	11/03/2022 8:28
Issue Invoice v.1	Generic Action		11/02/2022 16:06
Fees Paid v.1	Generic Action		11/03/2022 8:28
Lot Readiness Verification v.1			
~~OSWP Septic Preliminary Site Visit v.1~~	Inspection		11/03/2022 8:28
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		



Acknowledgement Of
Plans Submittal ONLY!

Gary McNeely Date

BAB Date 1/16/22

SQUARE FOOTAGES	
FLOOR PLAN=	2,596 sq ft
GARAGE=	716 sq ft
REAR PORCH=	480 sq ft
FRONT PORCH=	121 sq ft
TOTAL IF=	4015 sq ft

GARAGE LEFT

Drafting & Design Inc.
Charlotte, NC
704-562-9858

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WINDSTONE ESTATES

Project: JEFFERSON PLAN

Sheet Title: FIRSR FLOOR PLAN

Drawn By	J. BODNAR
Date	08-30-22
REV.	09-27-22
Site	

JEFFERSON-FP_GL

Sheet 3