BLDR-2024-48198

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP 2022-8355

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: 130 Falls Leaf Drive Troutman, NC 28166 PHONE: 704 310 1832 ALT. PHONE

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

SUBDIVISION: Windstone & Autumn Leaf SECTION: - LOT # 3 LOT AREA: 0.76 DESIGN FLOW: 360 L.T.A.R.: .25

Septic Tank	1000	(gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	3	Water Supply
Pump Tank	1000	(gal)	PT		Date		System Description:	PM - 25% Reduction			☐ Business	No. Persons	6	☒ Private
Pump Make			Model		Serial #		Repair System Description:	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	16 in	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.

See modified tank locations on site plan.

LINES AS DRAWN
TANKS SW 6/18/24
MANIFOLD
ELECTRICAL
ALARM SW 1/29/25
DRAW
PRESSURE

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 Grading

IMPROVEMENT PERMIT by: Benjamin A Bobbitt Date: 11-14-2022 OPERATION PERMIT by: Sarah Z Williams Date: 1/29/25

AUTHORIZATION TO CONSTRUCT by: Benjamin A Bobbitt 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? _____	



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

Reference: Data Sheet for Lot 4 Windstone Crossing; Iredell County, NC

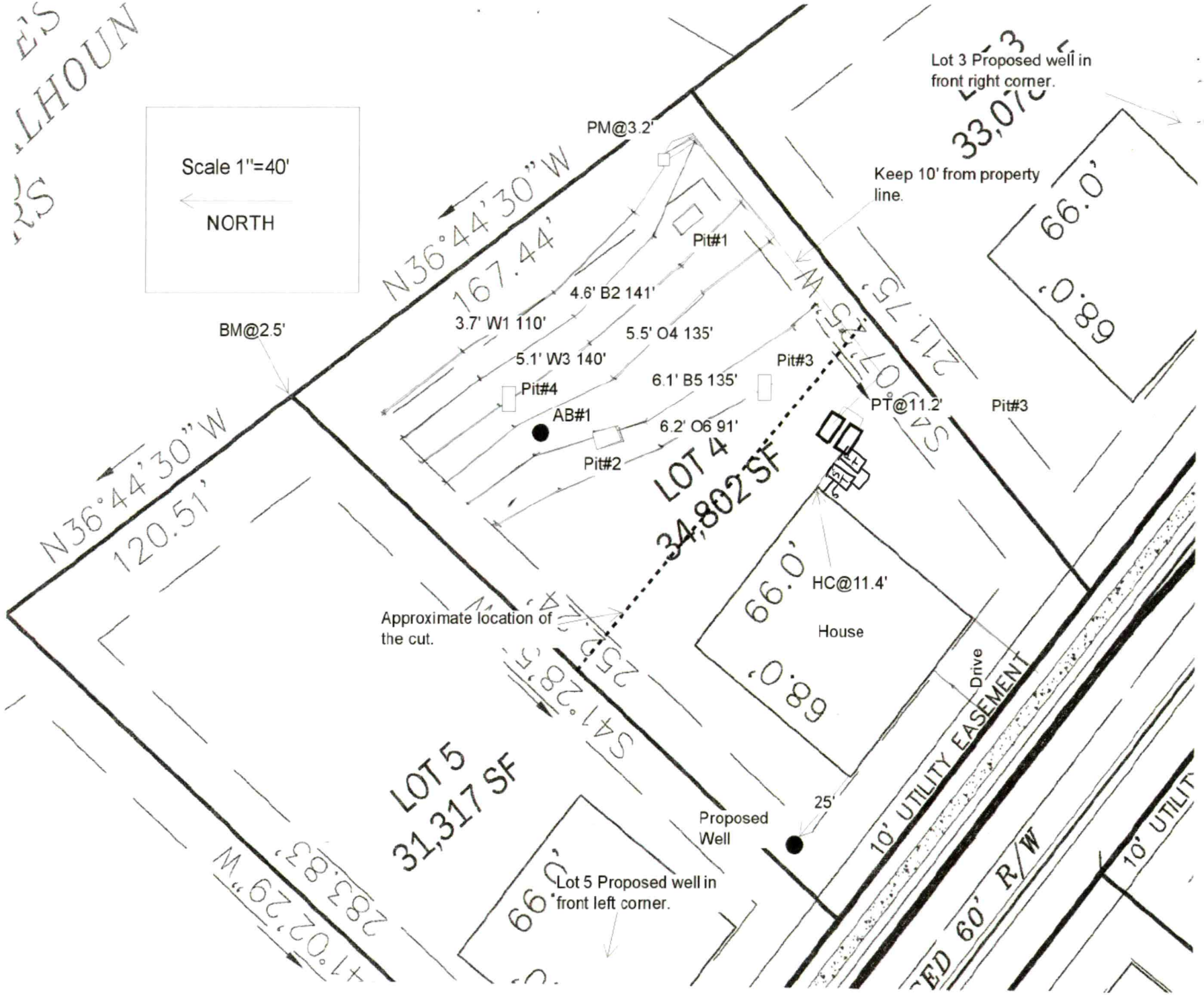
House Footprint: 68' x 66'; **Slab Foundation**
Building Setback: 25' Front; 15' Sides and 25' Rear
Water Source: Public Water
Proposed Gallon Per Day: 3 bedrooms/360 gpd
Proposed LTAR: 0.25 gpd/ft2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.25 gpd/ft2
Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 4 @ ½" SCH 80 at 5.48 gpm
Tap Size and Material: ½" SCH 80
System Flow: 21.92 gpm
Dosing Volume: 157.50 gallons per dose
Pump Run Time: 7.19 minutes
Elevation Head: 12.5'
Friction Head: 1.78'
Pressure Head: 2'
Total Dynamic Head: 16.28'
Supply Line Length: 135'
Septic/Pump tank size: 1000 gallon septic tank; 1000 gallon pump tank
Trench Bottom: 16" (initial), 48" (repair)

Line	Design Length	Repair Length	Actual Length	Elevation
White 1	**90'**		**110'**	**3.7'**
Blue 2	**90'**	46'	**141'**	**4.6'**
White 3	**90'**	45'	**140'**	**5.1'**
Orange 4	**90'**	40'	**135'**	**5.5'**
Blue 5		135'	135'	6.1'
Orange 6		90'	135'	6.2'

Initial System: 360' 25% Reduction **Repair System:** 356' 25% Reduction
Pressure Manifold: 3.2' **House Corner:** 11.1' **Pump Tank:** 11.2'
Bench Mark: 2.5' 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.
- 2" of additional cover will need to be brought in to accommodate the 6" of required cover.
- Keep all parts of the system 15' from the top of the cut.


Scale 1"=40'
NORTH
PM@3.2'
N36°44'30"W
167.44'
Pit#1
4.6' B2 141'
3.7' W1 110'
5.5' O4 135'
5.1' W3 140'
Pit#3
Pit#4
6.1' B5 135'
AB#1
6.2' O6 91'
Pit#2
BM@2.5'
N36°44'30"W
120.51'
LOT 4
34,802 SF
Lot 3 Proposed well in front right corner.
Keep 10' from property line.
S29°07'25"W
217.75'
PT@11.2'
Pit#3
66.0'
68.0'
HC@11.4'
House
Approximate location of the cut.
253.29'
S41°29'37"E
LOT 5
31,317 SF
Drive
10' UTILITY EASEMENT
25'
Proposed Well
Lot 5 Proposed well in front left corner.
283.83'
N41°02'29"W
66.0'
10' UTILITY
ED 60' R/W

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

Sheet 1 *of* 1
PROPERTY ID #: Lot 4 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: 0.80 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	
Pit 1	L 4-5 %	0"-14"	Br CL WSBK	SS SP FR SEXP	YBrs 14"-42" Chroma 2 at 42".	42"			0.25
		14"-42"	R C ABK	SS SP FR SEXP					
Pit 2	L 4-5 %	0"-12"	Br CL WSBK	SS SP FR SEXP		60"	Few to common saprolite inclusions 38"-60"		0.25
		12"-38"	R C ABK	SS SP FR SEXP					
		38"-60"	R CL WSBK	SS SP FR SEXP					
Pit 3	L 4-5 %	0"-12"	YBr CL WSBK	SS SP FR SEXP	YBrs 22"-.36"	52"	Few to common saprolite inclusions 36"-52"		0.25
		12"-22"	R C WSBK	SS SP FR SEXP					
		22"-36"	R C ABK	SS SP FR SEXP					
		36"-52"	R CL WABK	SS SP FR SEXP					
Pit 4	L 4-5 %	0"-11"	YBr CL Compacted	SS SP FR SEXP	YBrs 20"+ Chroma 2 at 30".	30"			0.25
		11"-30"	R C SBK	SS SP FR SEXP					
AB 1	L 4-5 %	0"-6"	Br SCL WSBK	SS SP FR SEXP	Few YBrs. Chroma 2 at 38".	38"			0.25
		6"-32"	R C SBK	SS SP FR SEXP					
		32"-38"	R SCL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1080 FT2	1203 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:

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

Sheet 1 *of* 1
PROPERTY ID #: Lot 4 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: 0.80 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 4-5 %	0"-14"	Br CL WSBK	SS SP FR SEXP	YBrs 14"-42" Chroma 2 at 42".	42"			0.25
		14"-42"	R C ABK	SS SP FR SEXP					
Pit 2	L 4-5 %	0"-12"	Br CL WSBK	SS SP FR SEXP		60"	Few to common saprolite inclusions 38"-60"		0.25 Deep Rpr Chroma 2 30-38. Inhibit CR.
		12"-38"	R C ABK	SS SP FR SEXP					
		38"-60"	R CL WSBK	SS SP FR SEXP					
Pit 3	L 4-5 %	0"-12"	YBr CL WSBK	SS SP FR SEXP	YBrs 22"-.36"	52"	Few to common saprolite inclusions 36"-52"		0.25
		12"-22"	R C WSBK	SS SP FR SEXP					
		22"-36"	R C ABK	SS SP FR SEXP					
		36"-52"	R CL WABK	SS SP FR SEXP					
Pit 4	L 4-5 %	0"-11"	YBr CL Compacted	SS SP FR SEXP	YBrs 20"+ Chroma 2 at 30".	30"			0.25
		11"-30"	R C SBK	SS SP FR SEXP					
AB 1	L 4-5 %	0"-6"	Br SCL WSBK	SS SP FR SEXP	Few YBrs. Chroma 2 at 38".	38"			0.25
		6"-32"	R C SBK	SS SP FR SEXP					
		32"-38"	R SCL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1080 FT2	1203 ft2
System Type(s)	25% Reduction	25% Reduction
Site LTAR	0.25	0.25

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

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

Change Rpr to PPBPs

PERMIT SNAPSHOT REPORT OSWP-2022-8355 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: 4740191939.000 Main	**Address:** 130 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
541 Isle of Pines Rd.
Mooresville, NC 28117
Business: (631) 831-1461

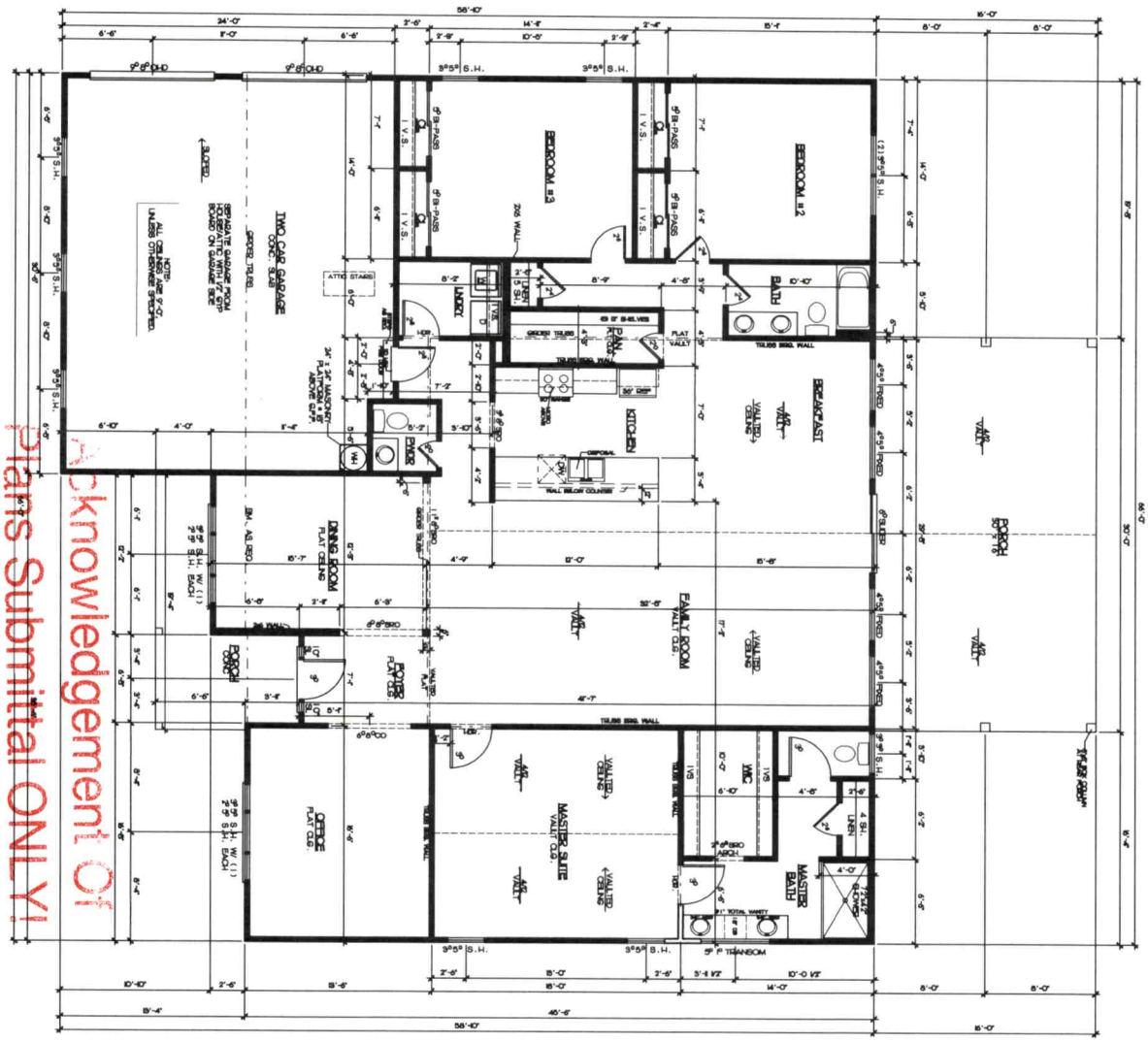
Permit Custom Fields

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	Concrete Slab 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 16:13	McNeely, Gary		Uploaded via CSS
Autumn Leaf 4 AF_v1.pdf	11/02/2022 12:29	Comeaux, Debra	Available Online	Authorize to Act as Agent
Autumn Leaf 4 Soil_v1.doc	11/02/2022 12:29	Comeaux, Debra	Available Online	Additional Supporting Information
Autumn Leaf 4_v1.doc	11/02/2022 12:29	Comeaux, Debra	Available Online	Additional Supporting Information
Autumn Leaf 4_v1.pdf	11/02/2022 12:29	Comeaux, Debra	Available Online	Site Plan
Autumn Leaf FT_v1.pdf	11/02/2022 12:29	Comeaux, Debra	Available Online	Additional Supporting Information

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00004588	New Gravity System	$350.00	$350.00
	Troutman Zoning Fee	$45.00	$45.00
	Total for Invoice INV-00004588	$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 12:30
Confirm application complete v.1	Generic Action		11/02/2022 12:30



Plans Submittal ONLY!

Acknowledgement Of

Gary Morsely

Date 11/16/12

FLOOR PLAN

1/4"=1'-0"

SQUARE FOOTAGES	
MAIN	2,718 SQ FT
GARAGE	577 SQ FT
PORCH	151 SQ FT
PORCH	67 SQ FT
TOTAL	4013 SQ FT

GARAGE LEFT

Sheet	3
Job	JEFFERSONFP-3L
Scale	
Date	09-05-12
Drawn By	J. BOZHAR
Project	JEFFERSON PLAN
Sheet Title	FIRSR FLOOR PLAN

WINDSTONE ESTATES

Drafting Design Inc.
Denton, NC
704-582-8888

COPYRIGHT STATEMENT
DRAFTING & DESIGN INC. RETAINS ALL COMMON LAW, STATUTORY AND OTHER RIGHTS, INCLUDING COPYRIGHT, IN THE PLANS, DRAWINGS, ELECTRONIC FILES AND OTHER DOCUMENTS PREPARED BY DRAFTING & DESIGN INC. IN CONNECTION WITH THE PROJECT. ALL REPRODUCTIONS OF THESE PLANS, DRAWINGS, ELECTRONIC FILES AND OTHER DOCUMENTS PREPARED BY DRAFTING & DESIGN INC. MUST BEAR THE COPYRIGHT NOTICE, AND MAY NOT BE USED BY THE OWNER OR ANYONE ELSE FOR ANY OTHER PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF DRAFTING & DESIGN INC. ANY UNAUTHORIZED USE OF THESE PLANS, DRAWINGS, ELECTRONIC FILES AND OTHER DOCUMENTS PREPARED BY DRAFTING & DESIGN INC. WILL BE AT THE RECIPIENT'S SOLE RISK AND WITHOUT LIABILITY TO DRAFTING & DESIGN INC.