BLDR-2022-11987

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 05SWP2022-8358

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

PIN # 4741 --00 --0048

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

SITE ADDRESS: 136 Falls Leaf Drive Troutman NC 28166 PHONE: 7043101832 ALT. PHONE

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

SUBDIVISION: Winestone C-Autumn Leaf SECTION: LOT # 5 LOT AREA: DESIGN FLOW: 360. L.T.A.R.: .25

Septic Tank 1000 (gal) STB 760 Date 4-10-23
Pump Tank 1000 (gal) PT 363 Date 4-16-23
Pump Make Model Serial #
Nitrification Fields 1 # Lines 4 Linear Ft 360
Trench Width 36 in Trench Bottom Depth(~~Low side~~) 24 in Gravel Depth -

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: PM-25% Reduction
Repair System Description: PPBPS-50% Reduction
Maintenance Agreement Required: ☐ YES ☒ NO
☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 3
☐ Business No. Persons 6
☐ Other No. Employees
☒ Slab ☐ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions:

INITIAL SITE SKETCH

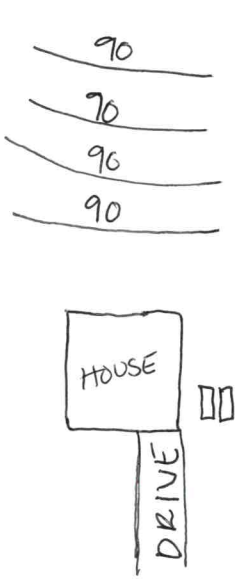
See attached Site plan & Design by Michael Athanas & Associates

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.

- Tanks / Lines / Manifold

Tanks STH 6/9
Lines
BCM 10-11-2022 P.H. ✓
P.M. ✓
FLOATS ✓
ALARM ✓
ELECTRICAL ✓



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: Gunners Grading

IMPROVEMENT PERMIT by: Benjamin A. Bolton Date: 11-14-2022 OPERATION PERMIT by: Benjamin C. White Date: 10-11-2023

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Bolton Date: 11-16-22. 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 5 Windstone Crossing; Iredell County, NC

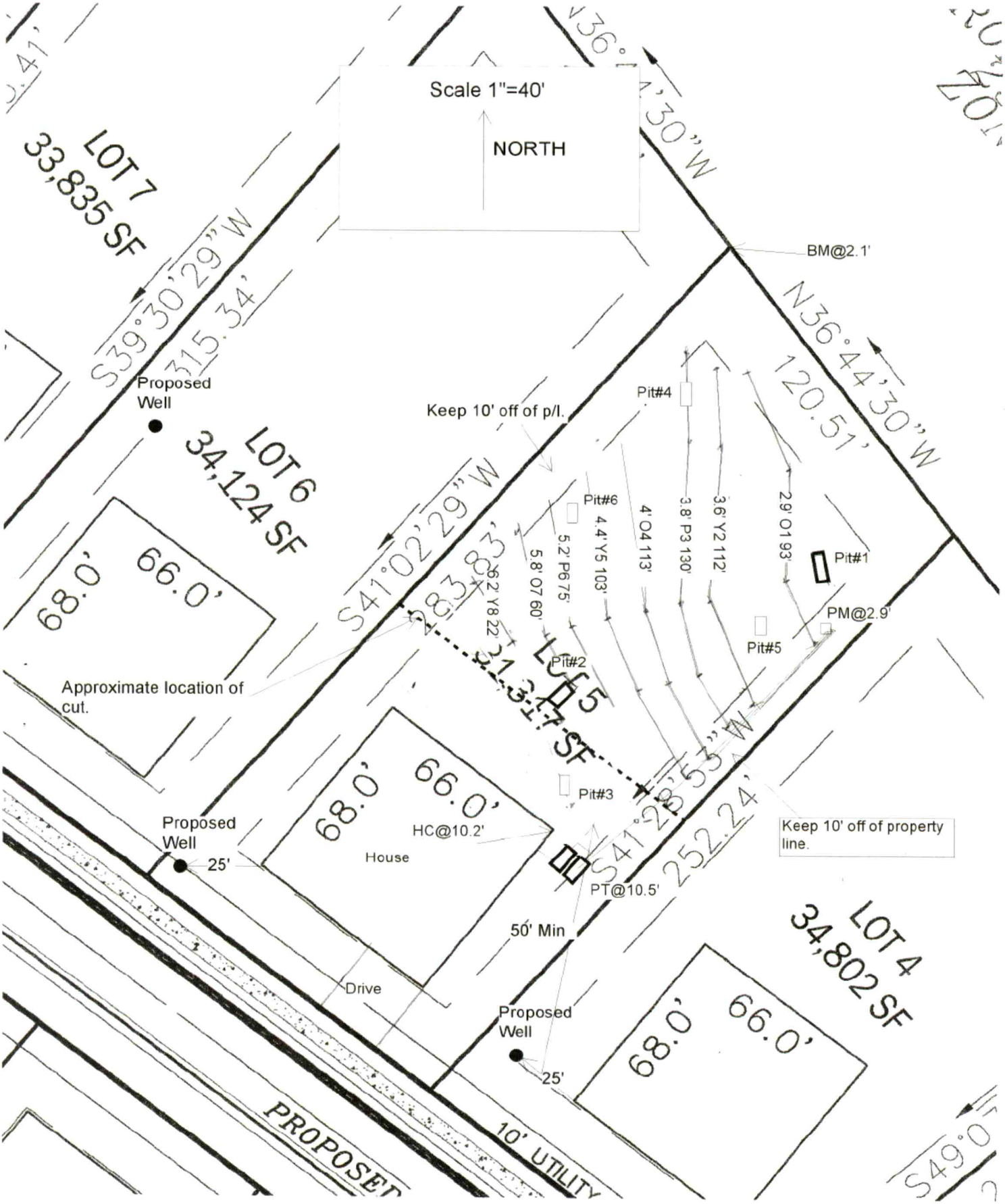
House Footprint: 68' x 66'; **Slab Foundation**
Building Setback: 25' Front; 15' Sides and 25' Rear
Water Source: Private Well
Proposed Gallon Per Day: 3 bedrooms/360 gpd
Proposed LTAR: 0.25 gpd/ft2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.25 gpd/ft2
Repair System Type: PPBPS
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: 12.6'
Friction Head: 1.52'
Pressure Head: 2'
Total Dynamic Head: 16.12'
Supply Line Length: 115'
Septic/Pump tank size: 1000 gallon septic tank; 1000 gallon pump tank
Trench Bottom: 24"

Line	Design Length	Actual Length	Elevation
Orange 1	**90'**	**93'**	2.9'
Yellow 2	**90'**	**112'**	**3.6'**
Pink 3	**90'**	**130'**	**3.8'**
Orange 4	**90'**	**113'**	**4'**
Yellow 5		103'	4.4'
Pink 6		75'	5.2'
Orange 7		60'	5.8'
Yellow 8		22'	6.2'

Initial System: 360' 25% Reduction **Repair System:** 260' PPBPS
Pressure Manifold: 2.9' **House Corner:** 10.2' **Pump Tank:** 10.5'
Bench Mark: 2.1' 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 with 15' of the system area.
- No part of the system should be installed within 15' of the cut.


Scale 1"=40'
NORTH
LOT 7
33,835 SF
S39°30'29"W
315.34'
Proposed
Well
LOT 6
34,124 SF
68.0'
66.0'
Approximate location of
cut.
Keep 10' off of p/l.
S41°02'29"W
283.83'
BM@2.1'
N36°44'30"W
120.51'
Pit#4
Pit#6
Pit#1
Pit#5
Pit#2
Pit#3
PM@2.9'
4.4' Y5 103'
5.2' P6 75'
5.8' O7 60'
4' O4 113'
3.8' P3 130'
3.6' Y2 112'
2.9' O1 93'
2.2' Y8 22'
LOT 5
34,317 SF
S41°28'53"W
252.24'
Keep 10' off of property
line.
HC@10.2'
House
PT@10.5'
Proposed
Well
25'
50' Min
Drive
LOT 4
34,802 SF
Proposed
Well
25'
PROPOSED
10' UTILITY

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

Sheet 1 *of* 1
PROPERTY ID #: Lot 5 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: 0.72 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 3-4 %	0"-9"	Br CL WSBK	SS SP FR SEXP		56"	Few to common saprolite inclusions 39"-56"		0.3
		9"-39"	R C WSBK	SS SP FR SEXP					
		39"-56"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 3-4 %	0"-8"	Br CL WSBK	SS SP FR SEXP		58"	Few to common saprolite inclusions 41"-58"		0.3
		8"-41"	R C WSBK	SS SP FR SEXP					
		41"-58"	R CL WSBK	SS SP FR SEXP					
Pit 3	L 3-4 %	0"-13"	Br CL WSBK	SS SP FR SEXP		57"	Few to common saprolite inclusions 33"-57"		0.3
		13"-33"	R C WSBK	SS SP FR SEXP					
		33"-57"	R CL WSBK	SS SP FR SEXP					
Pit 4	L 3-4 %	0"-8"	Br CL WSBK	SS SP FR SEXP		53"	Few to common saprolite inclusions 33"-57"		0.3-0.275
		8"-33"	R C ABK	SS SP FR SEXP					
		33"-53"	R CL WSBK	SS SP FR SEXP					
Pit 5	L 3-4 %	0"-10"	YBr CL WSBK	SS SP FR SEXP		48"			0.3
		10"-48"	R C WSBK	SS SP FR SEXP					
Pit 6	L 3-4 %	0"-7"	YBr CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 38"-48"		0.3
		7"-38"	R C ABK	SS SP FR SEXP					
		38"-48"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1080 FT2	780 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:

Lot 5

PERMIT SNAPSHOT REPORT OSWP-2022-8358 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: 4741100048.000 Main	**Address:** 136 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 16:17	McNeely, Gary		Uploaded via CSS
Autumn Leaf 5 AF_v1.pdf	11/02/2022 12:19	Comeaux, Debra	Available Online	Authorize to Act as Agent
Autumn Leaf 5 Soil_v1.doc	11/02/2022 12:19	Comeaux, Debra	Available Online	Additional Supporting Information
Autumn Leaf 5_v1.doc	11/02/2022 12:19	Comeaux, Debra	Available Online	Additional Supporting Information
Autumn Leaf 5_v1.pdf	11/02/2022 12:19	Comeaux, Debra	Available Online	Site Plan
Autumn Leaf FT_v1.pdf	11/02/2022 12:19	Comeaux, Debra	Available Online	Additional Supporting Information

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00004587	New Gravity System	$350.00	$350.00
	Troutman Zoning Fee	$45.00	$45.00
	Total for Invoice INV-00004587	$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 12:21
Confirm application complete v.1	Generic Action		11/02/2022 12:21

PERMIT SNAPSHOT REPORT (OSWP-2022-8358)

Zoning Review v.1		11/02/2022 0:00	11/02/2022 13:23
Troutman Zoning Approval v.1	Task	11/02/2022 0:00	11/02/2022 13:23
Issue Invoice v.1	Generic Action		11/02/2022 13:23
Fees Paid v.1	Generic Action		11/02/2022 13:23
Fees v.1		11/02/2022 0:00	11/03/2022 9:02
Issue Invoice v.1	Generic Action		11/02/2022 16:07
Fees Paid v.1	Generic Action		11/03/2022 9:02
~~**Lot Readiness Verification v.1**~~			11/03/2022 9:02
~~OSWP Septic Preliminary Site Visit v.1~~	Inspection		11/03/2022 9:02
~~OSWP Site Evaluation v.1~~	Inspection		11/03/2022 9:02
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		

Drafting Inc.
Oriental, NC
704-562-3555
COPYRIGHT STATEMENT
WINDSTONE ESTATES
Project
JEFFERSON PLAN
Sheet Title
FIRST FLOOR PLAN
Drawn By J. BOONAR
Date 08-30-22
REV. 09-29-22
Site
JEFFERSON PLAN
Sheet 3
GARAGE LEFT
SQUARE FOOTAGES
FLOOR PLAN= 2,696 sq ft
GARAGE= 465 sq ft
FRONT PORCH= 151 sq ft
TOTAL S/F= 4313 sq ft
FIRST FLOOR PLAN
1/4" = 1'-0"
Acknowledgement Only
Plans Submittal ONLY
Gary Markely
Date
Date 11/16/22
BMB