BLDR-2023-28967

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-27181

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

PIN # 4741-00-5125

APPLICANT / OWNER: Gary McNeely - MA&A APPLICANT ADDRESS: 556 Walden Trail Weddington NC 28173

SITE ADDRESS: 149 FALLS LEAF DR, TROUTMAN, NC 28166 PHONE: ~~704~~-576-3887 ALT. PHONE:

SITE DIRECTIONS: N Perth -> R Autumn Leaf -> L Falls Leaf --> lot at end SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: Windstone at Autumn Leaf SECTION: N/A LOT #: 10 LOT AREA: 0.79 DESIGN FLOW: 480 L.T.A.R.: 0.3

Septic Tank: 1000 (gal)	STB: 1012	Date: 7/31/23	☒ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 402	Maintenance Agreement Required: ☐ YES ☑ NO		☒ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Silt pond to be removed prior to A/C or alter site plan to achieve 50' away at all points of the septic. Do not pave, grade, drive, park, or bury utilities in the drainfield. Maintain 15' off all drainage ways.

INITIAL SITE SKETCH

See attached site plan by Michael Athanas & Associates, approved 6/20/23

AS BUILT SKETCH

~~X~~ Do not sign OP until silt pond is removed

Silt pond filled in partially to meet 50ft set back MW 12/22/23

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: Date:

IMPROVEMENT PERMIT by: D. Mabry Date: 6/20/23

AUTHORIZATION TO CONSTRUCT by: Date: 6/22/23

Installed By: Gunter Grading

OPERATION PERMIT by: Date: 12/23/23

Existing System Inspected By: Date:

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

APPROVED JUN 2 0 2023

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 10 Windstone Crossing; 149 Falls Leaf Drive
PID#4741005125.000
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: 4 bedrooms/480 gpd
Proposed LTAR: 0.3 gpd/ft2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.3 gpd/ft2
Repair System Type: PPBPS
Distribution: Gravity
Septic/Pump tank size: 1000 gallon septic tank
Trench Bottom: 30"

Line	Design Length	Repair Length	Actual Length
Pink 1		104'	104'
Yellow 2	**150'**		**165'**
Blue 3	**150'**		**150'**
White 4	**100'**		**103'**
Orange 5		94'	94'
Pink 6		77'	77'

Initial System: ~~300~~ 400' 25% Reduction **Repair System:** 275' PPBPS

Comments: The purpose of the evaluation is to permit this site for a 4-bedroom residence.

- Not cuts of 2' or more within 15' of the system area.
- No foundation drains within 15' of the system area.

APPROVED JUN 2 0 2023

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

APPROVED JUN 2 0 2023

Sheet 1 of 1
PROPERTY ID #: Lot 10 Windstone Crossing; PID#4741005125.000
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~~ 480 GPD PROPERTY SIZE: 0.79 Acres
LOCATION OF SITE: 143 Falls Leaf Dr Troutman, NC PROPERTY RECORDED: To be recorded

WATER SUPPLY: Private Public Ξ 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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .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
Pit 1	L 13-14%	0"-18"	R C SBK	SS SP FR SEXP		56"	Few to common saprolite inclusions 18"-56"		0.3+ ✓
		18"-56"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 13-14%	0"-16"	R C SBK	SS SP FR SEXP		36"	Few to common saprolite inclusions 16"-36" PS		0.3+ ✓ NO SAP til 42 inch
		16"-36"	R CL WSBK	SS SP FR SEXP					
		36"-60"	V SL Saprolite M	SS SP FR SEXP					
Pit 3	L 13-14%	0"-4"	Br CL WSBK	SS SP FR SEXP	Lithochromic colors included.	56"	Few to common saprolite inclusions 24"-56"		0.3+ ✓
		4"-24"	R C SBK	SS SP FR SEXP					
		24"-56"	R CL WSBK	SS SP FR SEXP					
Pit 4	L 13-14%	0"-10"	Br CL WSBK	SS SP FR SEXP		53"	Few to common saprolite inclusions 22"-53"		0.3+ ✓
		10"-22"	R C SBK	SS SP FR SEXP					
		22"-53"	R CL WSBK	SS SP FR SEXP					
Pit 5	L 13-14%	0"-8"	Br CL WSBK	SS SP FR SEXP		52"	Few to common saprolite inclusions 22"-52"		0.3+ ✓
		8"-22"	R C SBK	SS SP FR SEXP					
		22"-52"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	~~900~~ 1200 FT2	1140 ft2
System Type(s)	25% Reduction	25% Reduction
Site LTAR	0.3	0.3

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

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

* Relocate BAD to be per Prior to AK.