ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-16205

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

PIN # 4740-09-6890

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

SITE ADDRESS: 141 FALLS LEAF DR, TROUTMAN, NC 28166 | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: W NC150 -> R Perth -> R Autumn Leaf -> L Falls Leaf -> lot on L | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: Windstone at Autumn Leaf | SECTION: N/A | LOT #: 13 | LOT AREA: 0.98 | DESIGN FLOW: 480 | L.T.A.R.: 0.25

Septic Tank: 1000 (gal)	STB: 1012	Date: 9/21/23	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: VPPBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: Drip		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 5	Linear Ft.: 320	Maintenance Agreement Required: ☐ YES ☑ NO		☑ Slab	☐ Crawl Space	
Trench Width: 24	Trench Bottom Depth (Low side): 34		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield area. Divert drainage from drainfield. Use equal distribution, 36" max trench bottom.

INITIAL SITE SKETCH

See attached Site plan & design by Michael Athanas & Assoc.

approved 2/28/23

AS BUILT SKETCH

Bottom 3 Lines tunk (w/o filter) 12/4/23 DW

TOP 2 LINES D-BOX & [redacted] 12-5-2023 BCW

FILTER 5-1-2024

As Built Sketch Attached

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. Wiebery | Date: 2/28/23

AUTHORIZATION TO CONSTRUCT by: Burnett C. White | Date: 3-13-2023

Installed By: Gunter's Grading

OPERATION PERMIT by: Burnett C. White | Date: 5-1-2024

Existing System Inspected By: | Date:

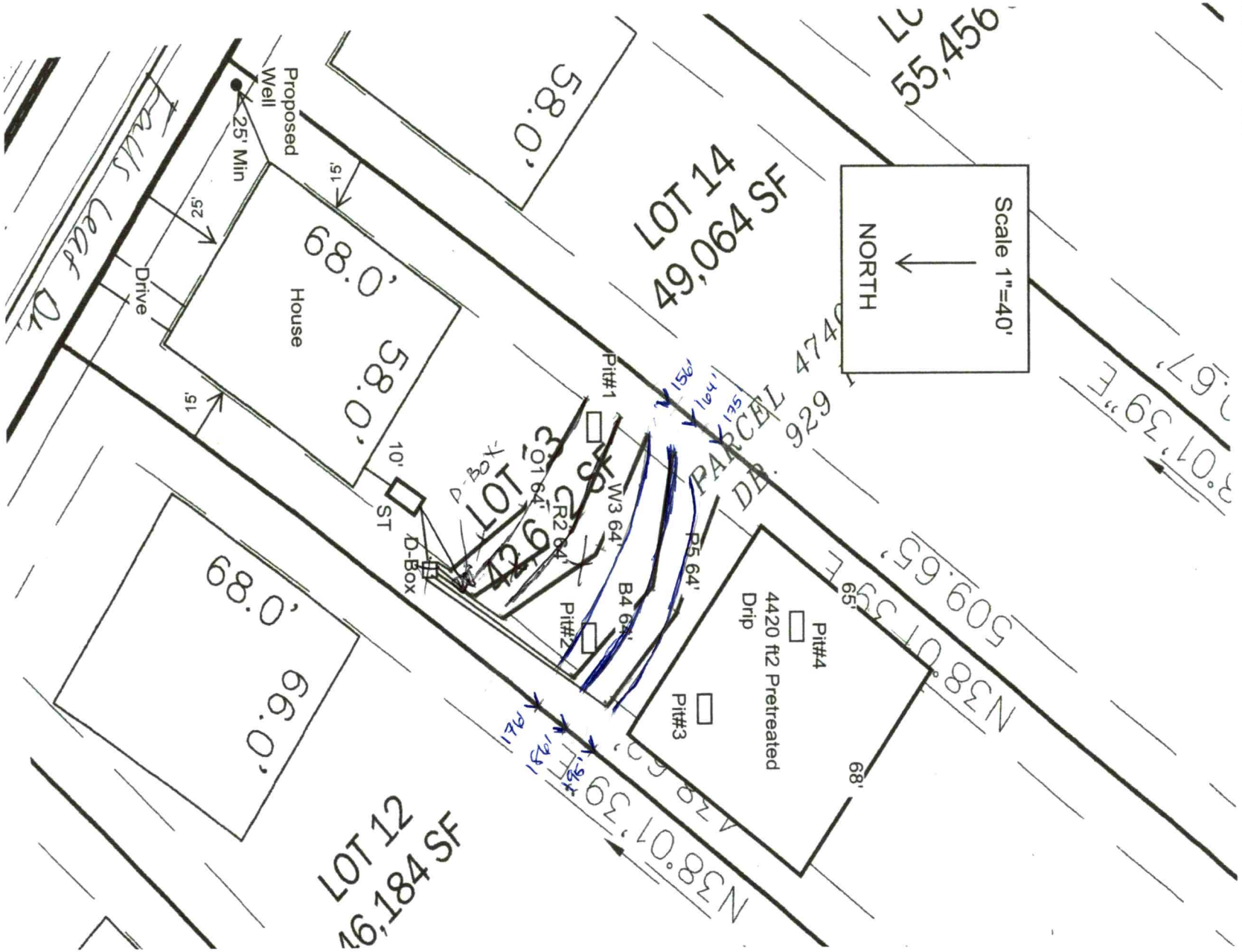
FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.

APPROVED FEB 2 8 2023

As Built – to near scale

measurements, Lines in blue are as built

141 Falls Leaf Dr.
Troutman, NC 28166



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Septic Tank: 1000 (gal)	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: VPPBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: Drip		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 5	Linear Ft.: 320	Maintenance Agreement Required: ☐ YES ☑ NO		☑ Slab	☐ Crawl Space	
Trench Width: 24	Trench Bottom Depth (Low side): 34		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield area. Divert drainage from drainfield. Use equal distribution, 36" max trench bottom.

INITIAL SITE SKETCH

See attached site plan & design by Michael Athanas & Assoc.

approved 2/28/23

AS BUILT SKETCH

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☐ 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: Greg Mullally Date:

IMPROVEMENT PERMIT by: D. Nicholson Date: 2/28/23

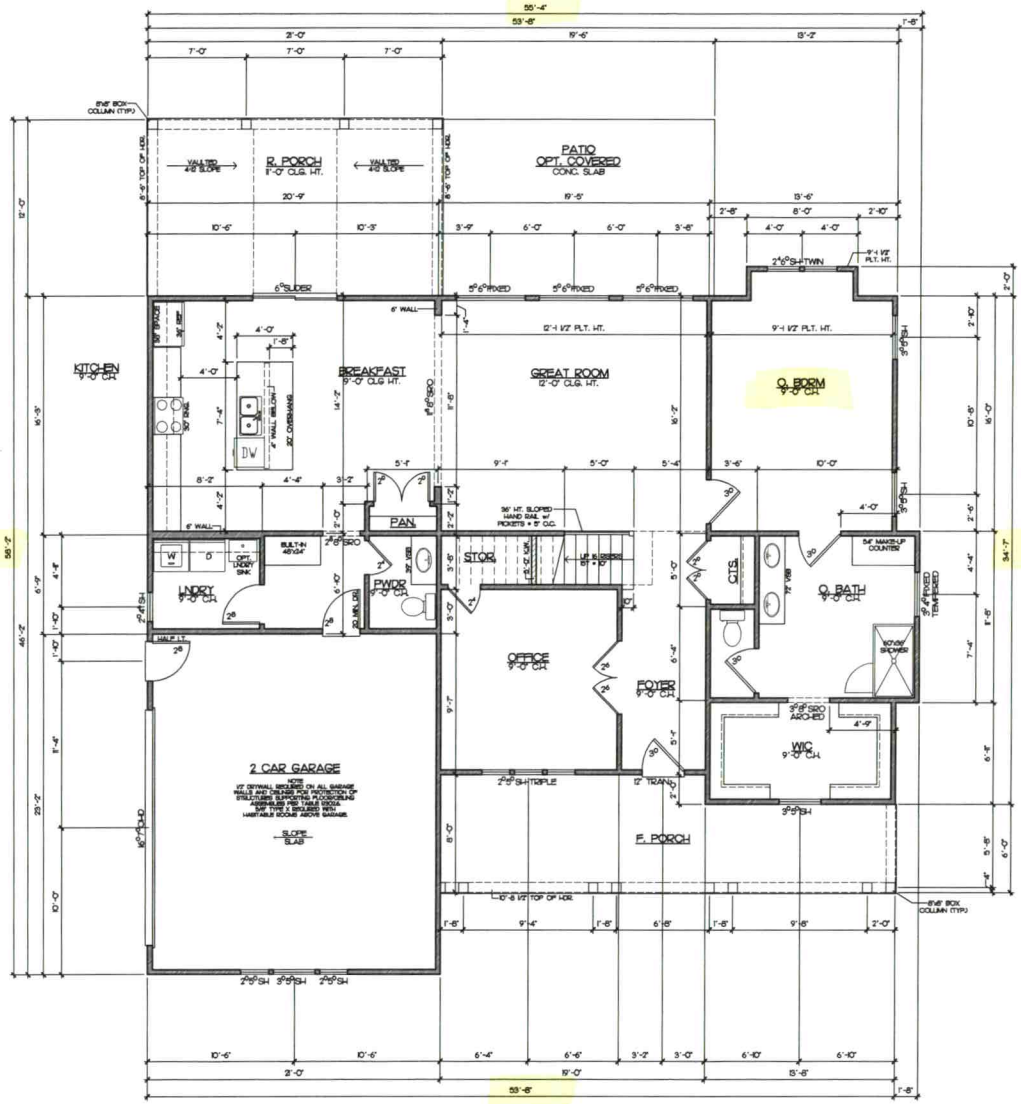
AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 3-13-2023

Installed By:

OPERATION PERMIT by: Date:

Existing System Inspected By: Date:

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



FIRST FLOOR PLAN

1/4" = 1'-0"

NOTE: ALL WINDOWS TO BE LOW 'E' GLASS

NOTE: DESIGNED AND ENGINEERED FOR THE 2018 N.C.R.C.

NOTE:
PROVIDE FIRE BLOCKING AND DRAFTSTOPPING AT ALL CONCEALED FLOOR SPACES TO COMPLY W/2018 N.C.R.C. SECTION R302.11

GENERAL NOTES:

1. ALL FRAMED WALLS THAT FORM THE THERMAL BARRIER OF A HOUSE SHALL HAVE INSULATION INSTALLED FREE FROM GAPS, VOIDS, OR COMPRESSION AND SHALL BE ENCLOSED ON ALL SIDES WITH A RSID MATERIAL OR AN APPROVED AIR BARRIER MATERIAL. THESE AREAS SHALL INCLUDE BUT NOT LIMITED TO TUBS, SHOWERS, STAIRS, FIREPLACE UNITS, AND THE UN-HEATED SIDE OF ALL KNEE WALLS.

2. ALL SILLS OF OPERABLE WINDOWS GREATER THAN 72" ABOVE GRADE OR WALKING SURFACE BELOW MUST HAVE A SILL HT. OF 24" MINIMUM ABOVE THE FINISHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. IF THE SILL HT. IS LESS THAN 24" THE WINDOW MUST MEET THE REQUIREMENTS OF SECTION R312 2018 N.C.R.C.

BRACED WALL SHEATHING NOTES:

1. ALL PERIMETER WALLS ARE TO BE FULLY SHEATED WITH A MINIMUM 7/16" OSB, AND ATTACHED TO THE WALL FRAMING STUDS WITH 8d (2½"x.131") NAILS AT 6" O.C. SPACING AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS.

2. INSTALL BLOCKING ALONG OSB PANEL EDGES. FASTEN PANEL EDGES TO BLOCKING AT 3" O.C. AND 6" O.C. AT INTERMEDIATE FRAMING WHEN LESS THAN 50% BUT GREATER THAN 25% OF WALL IS SHEATHED.

3. SHEATH ALL GABLE END WALLS WITH 7/16" OSB.

FRAMING NOTES:

(1) ALL EXTERIOR AND INTERIOR LOAD BEARING HEADERS SHALL BE (2)2x10's #1 S.Y.P. OR BETTER UNLESS NOTED OTHERWISE ON PLANS.

(2) ALL HEADERS SHALL BE SUPPORTED WITH A MINIMUM OF (1) JACK STUD & (1) KING STUD UNLESS NOTED OTHERWISE

(3) ALL NON-LOAD BEARINGS HEADERS PER CODE.

(4) HEADER NOTATION:
S.Y.P. = SOUTHERN YELLOW PINE
S.P.F. = SPRUCE PINE FIR

SQUARE FOOTAGES	
FIRST FLOOR =	1625 SQ FT
SECOND FLOOR =	809 SQ FT
OPTIONAL BONUS =	271 SQ FT
2 CAR GARAGE =	485 SQ FT
FRONT PORCH =	234 SQ FT
REAR PORCH =	252 SQ FT

Brynt C. White
3-13-2023

NOTE
Drafting & Design assumes no liability for any home constructed from this plan. It is the responsibility of the purchaser of the plan to have the builder/contractor verify ALL DIMENSIONS prior to the beginning of construction. The contractor must verify compliance with all local building codes.

Every attempt has been made in preparation of this drawing to avoid errors. Any discrepancy, error and/or omission, if found, is to be brought to our attention prior to construction.

Drafting & Design will not be liable for any human error or for any change made to the plan.

Structural steel beams are to be sized by an engineer and is the responsibility of the builder/contractor.

Local, state and federal building codes take precedence over this plan.

Drafting & Design Inc.
Charlotte, NC.
704-542-8038

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Project: The Adams

Sheet Title: FIRST FLOOR PLAN

Drawn By: J. BODNAR

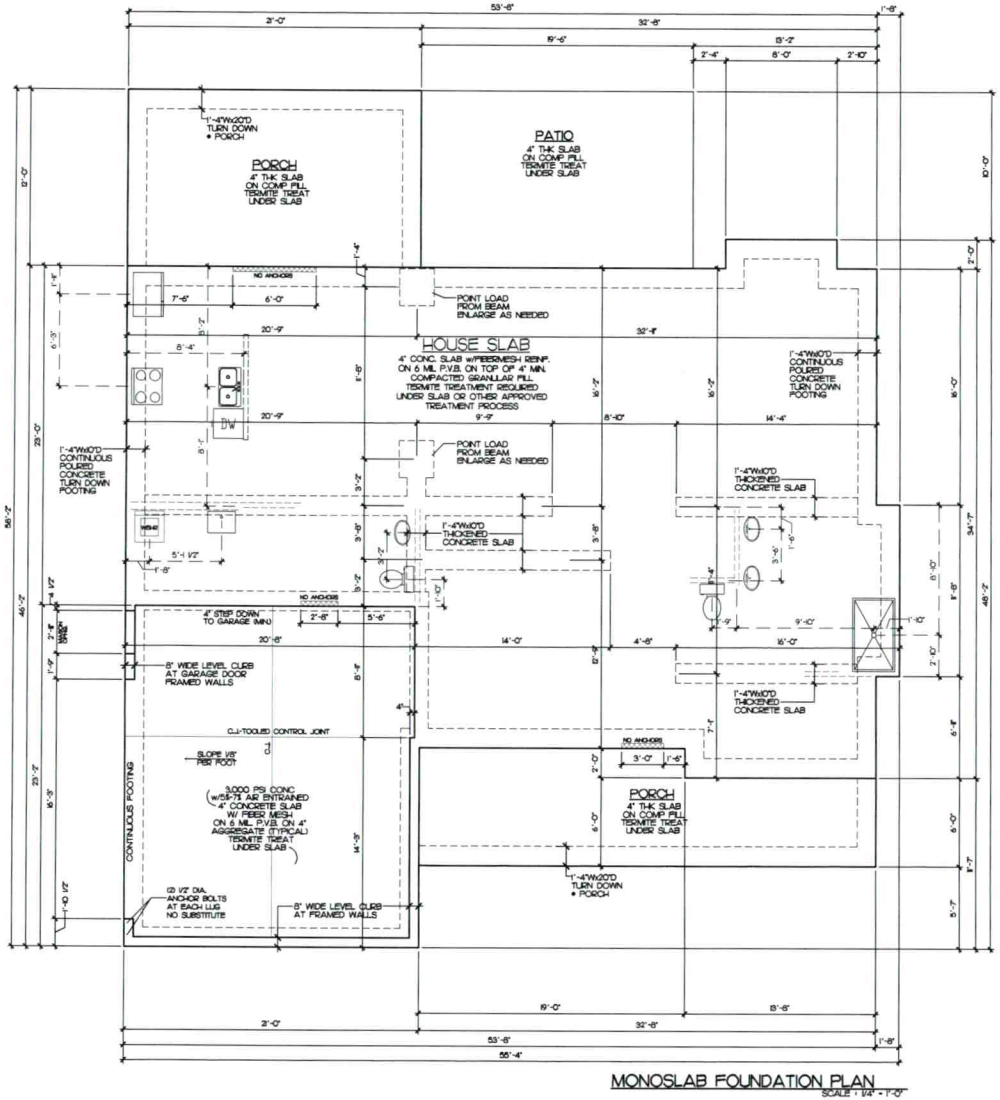
Date: 01-17-23

REV: 01-31-23

Site:

ADAMS-1F

Sheet: 3



MONOSLAB FOUNDATION PLAN

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

NOTE

Drafting & Design assumes no liability for any construction from these plans. It is the responsibility of the purchaser of the plan to have the builder/contractor verify ALL DIMENSIONS prior to the beginning of construction. The contractor must verify compliance with all local building codes.

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Drafting & Design Inc.
Charlotte, NC
704-542-8658

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Project: **The Adams**

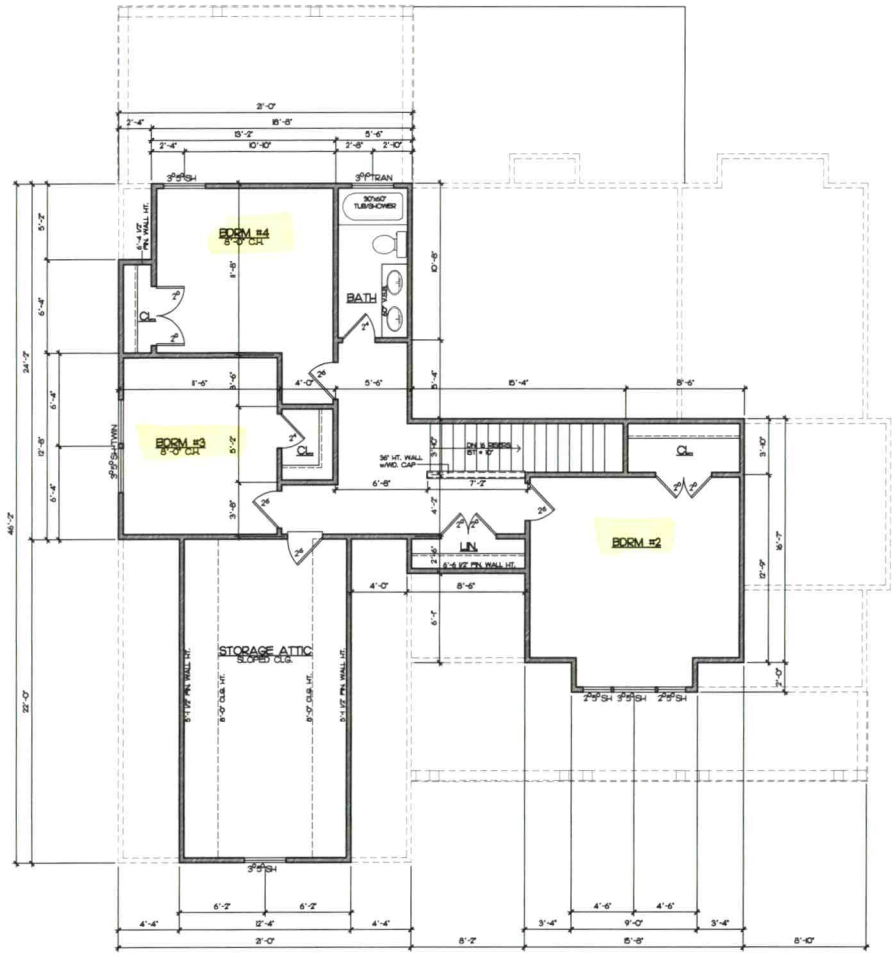
Sheet Title: **MONOSLAB PLAN**

Drawn By	J. BODNAR
Date	01-17-23
REV.	01-31-23
Site	

ADAMS-MS

Sheet

2



SECOND FLOOR PLAN
1/4" = 1'-0"

NOTE: ALL WINDOWS TO BE LOW "E" GLASS
NOTE: DESIGNED AND ENGINEERED FOR THE 2018 N.C.R.C.

Buyant C. Miller
3-13-2023

NOTE
Drafting & Design assumes no liability for any home construction from this plan. It is the responsibility of the purchaser of the plan to have the builder/contractor verify ALL DIMENSIONS prior to the beginning of construction. The contractor shall verify compliance with all local building codes.

Every attempt has been made in preparation of this drawing to provide the most accurate, error and/or omission free drawing. It is to be brought to our attention prior to construction.

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Project: **The Adams**

Sheet Title: FIRST FLOOR PLAN

Drawn By	J. BODNAR
Date	01-17-23
REV.	01-31-23
Site	

ADAMS-2F

Sheet: 4

APPROVED FEB 2 8 2023

141 Falls Leaf Dr.
Troutman, NC 28166

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 13 Windstone Crossing; 141 Falls Leaf Drive
PIN: 4740096890.000
Iredell County, NC

House Footprint: 68' x 58'; **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: 0.25 gpd/ft2
Suggested Initial System Type: PPBPS
Repair System LTAR: 0.125 gpd/ft2
Repair System Type: Pretreated Drip
Distribution: Gravity – Distribution Box
Proposed Trench Bottom Depth: 36"
Septic tank size: 1000 ST

Line	Design Length	Number of Panels	Actual Length
Orange 1	**64'**	**15**	**72'**
Red 2	**64'**	**15**	**72'**
White 3	**64'**	**15**	**74'**
Blue 4	**64'**	**15**	**72'**
Pink 5	**64'**	**15**	**72'**

Initial System: 320' PPBPS; Gravity **Repair System:** 44200 ft2 Pretreated Drip

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.
- The surveyor has marked the house box using stakes.
- No foundation drains within 15' of the system area.

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

Sheet 1 *of* 1
PROPERTY ID #: Lot 13 Windstone Crossing; PID#4740096890.000
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: 4 Bedroom Residence PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 0.98 Acres
LOCATION OF SITE: 141 Falls Leaf Dr 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 6-7%	0"-6"	Br CL WSBK	SS SP FR SEXP	YBrs 28"-32"	52"	Few to common saprolite inclusions 32"-52"		0.25
		6"-32"	R C ABK	SS SP FR SEXP					
		32"-52"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 6-7%	0"-34"	R C SBK	SS SP FR SEXP		52"	Few to common saprolite inclusions 34"-52"		0.3
		34"-52"	R CL WSBK	SS SP FR SEXP					
Pit 3	L 6-7%	0"-32"	R C SBK	SS SP FR SEXP		55"	Few to common saprolite inclusions 32"-55"		~~0.3~~ 0.275 0.1+ Drip **Repair**
		32"-55"	R CL WSBK	SS SP FR SEXP					
					Minor YB	26-32"			
Pit 4	L 6-7%	0"-12"	Br SCL WSBK	SS SP FR SEXP	YBrs 12"-24"	24"			0.1+ Drip **Repair**
		12"-24"	R C SBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	640 FT2	4420 ft2
System Type(s)	PPBPS	Pretreated Drip
Site LTAR	0.25	0.125

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