ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

BLDR 2025-69071

PERMIT : OSWP 2024-457624

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

PIN # 4730-57-6014

APPLICANT/OWNER: Niblock Homes APPLICANT ADDRESS:

SITE ADDRESS: 125 Crestview Lane Troutman NC 28166 PHONE: ALT. PHONE

SITE DIRECTIONS: Perth Rd to Saddlehorn to Crestview SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Saddlehorn SECTION: - LOT # 14 LOT AREA: - DESIGN FLOW: 480 L.T.A.R.(Initial): 30 L.T.A.R (Repair): 11

Septic Tank 1000 (gal) STB 2092 Date NORWESCO

Pump Tank 1000 (gal) PT 2092 Date NORWESCO

Pump Make Model Serial #

Nitrification Fields 1 # Lines 2 Linear Ft 400

Trench Width 36in *Max. Trench Depth(Initial) 27in *Max. Trench Depth(Repair) 6in Gravel Depth -

* Measured on the downhill side of the trench

Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: PM-25% Reduction

Repair System Description: TS-II Drip

Maintenance Agreement Required: ☐ YES ☒ NO

☐ GRAVITY ☒ PRESSURE

Usable Depth to LC (Initial): 48+ Usable Depth to LC (Repair): 48+ Limiting Condition

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions:

* Property must be recorded prior to AC *

INITIAL SITE SKETCH

See attached Site plan and design by Michael Athanas & Associates
ICHD approved 2/12/2024

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.

LINES SW 8/21/25
TANKS BCW 8-20-2025 - NO POOL STAKED AT TIME OF INSTALL
- SUPPLY LINE BCW 9-5-2025
- MANIFOLD
- PH
FLOATS
ALARM
ELECTRICAL SW 11/5/25

* needs RISER ON PT ✓ MW 11/6/25

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: Installed by: ALAN HOKE

IMPROVEMENT PERMIT by: Date: 2/12/2024 OPERATION PERMIT by: Date: 11/6/25

AUTHORIZATION TO CONSTRUCT by: Date: 2/14/25 Existing System Inspected by: Date:

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? _____	

ICHD
Approved
2/12/2024

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

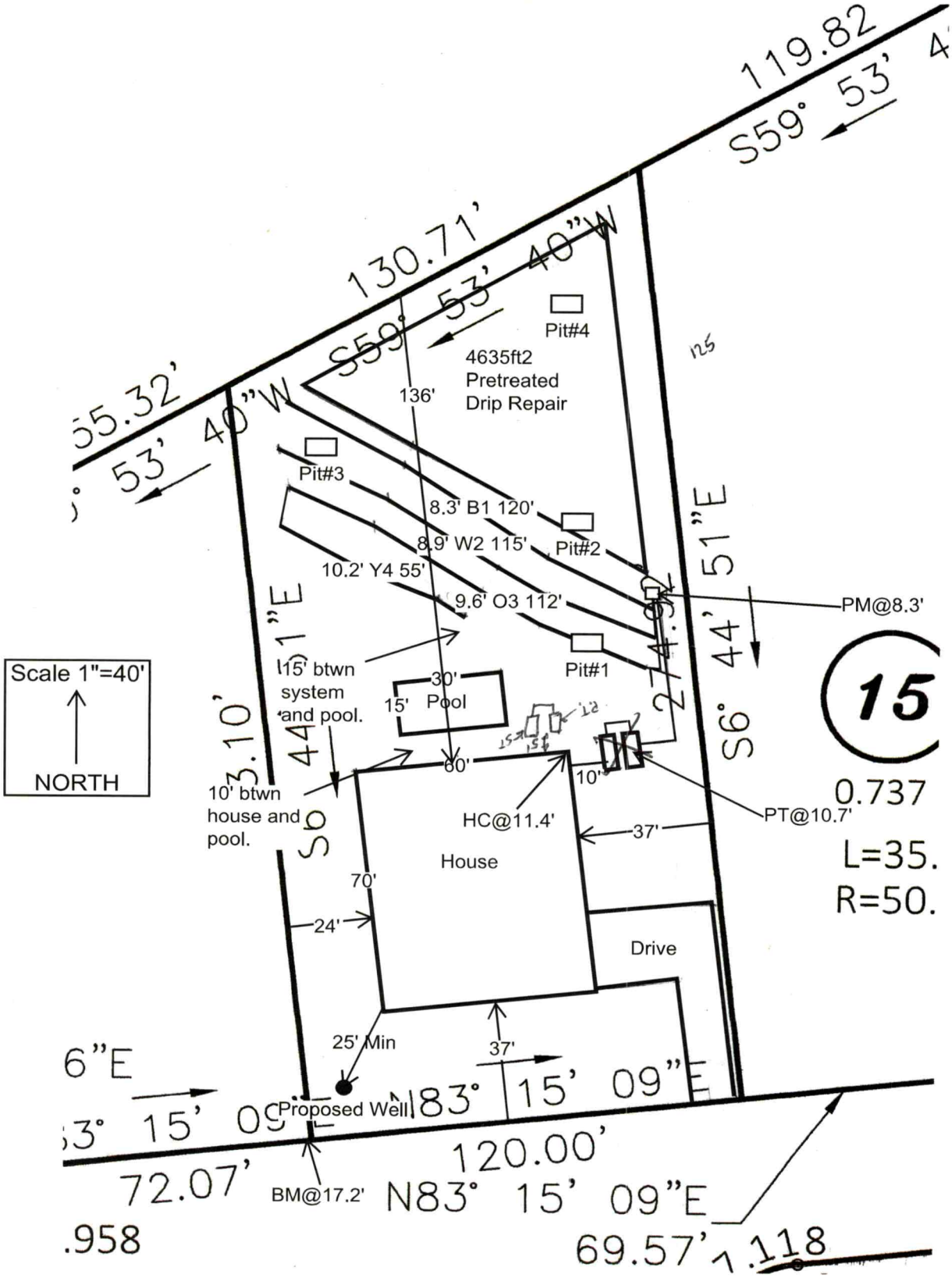
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for Lot 14 Saddlehorn Subdivision;
125 Crestview Lane; PID#TBD;
Iredell County, NC

House Footprints: 70' x 60'
Building Setback: 35' Front; 15' Side; 35' Rear
Water Source: Private Well
Proposed # of Bedrooms/Gallons Per Day: 4/480 gpd
Proposed LTAR: 0.3 gpd/ft2
Suggested Initial System Type: 25% Reduction
Repair System LTAR: 0.11 gpd/ft2
Repair System Type: Pretreated Drip
Distribution: Pressure Manifold
Flow per Tap: 2@ ½" SCH 40 at 7.11gpm; 1@ ¾" SCH 80 at 10.10gpm
Tap Size and Material: ½" SCH 40; ¾" SCH 80
System Flow: 24.32 gpm
Dosing Volume: 175.00 gallons per dose
Pump Run Time: 7.20 minutes
Elevation Head: 8.1'
Friction Head: 0.79'
Pressure Head: 2'
Total Dynamic Head: 10.89'
Supply Line Length: 60'
Proposed Trench Bottom Depth: 30"
Septic/ Pump tank size: 1000 gallon Septic Tank; 1000 gallon Pump Tank

Line	Design Length	Actual Length	Elevation
Blue 1	**120'**	**120'**	**8.3'**
White 2	**115'**	**115'**	**8.9'**
Orange 3	110'	112'	9.6'
Yellow 4	**55'**	**55'**	**10.2'**

Initial System: 400' 25% Reduction **Repair System:** 4635 ft2 Pretreated Drip
Pump Tank: 10.7' **House Corner:** 11.4' **Bench Mark:** 17.2' See Site Plan **Pressure Manifold:** 8.3'


119.82
S59° 53'
130.71'
S59° 53' 40"W
Pit#4
4635ft2
Pretreated
Drip Repair
136'
Pit#3
8.3' B1 120'
8.9' W2 115'
Pit#2
10.2' Y4 55'
9.6' O3 112'
Pit#1
PM@8.3'
15' btwn
system
and pool.
30'
15' Pool
10' btwn
house and
pool.
60'
10'
HC@11.4'
PT@10.7'
37'
House
70'
24'
Drive
25' Min
37'
Proposed Well
N83° 15' 09"E
120.00'
72.07'
BM@17.2'
N83° 15' 09"E
69.57'
Scale 1"=40'
NORTH
15
0.737
L=35.
R=50.

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

- **The septic area should be fenced off and all vehicular traffic should be kept off of the initial system area as well as the repair area. Failure to do so will result in the permit being revoked.**
- MA&A is proposing that O3 and Y4 be fed from the same ¾" SCH 80 tap.
- No cuts of 2' or greater within 25' down slope of the system and 15' on the side slope.
- Do not drive over the septic system.
- Keep all parts of the system 15' away from the water's edge of the pool.
- **All gutters and any other run off should be directed away from any part of the septic system.**

PERMIT SNAPSHOT REPORT OSWP-2024-45764 FOR IREDELL COUNTY

Permit Type	OSWP - AOWE|Session Law|EOP|Expedited Review	**Project:**		**App Date:**	01/26/2024
Work Class:	OSWP - AOWE|Session Law|EOP|Expedited Review	**District:**	Iredell County	**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:	IP only				

Parcel: 4730564626.000 Main	**Address:** 125 Crestview Ln Troutman, NC 28166 Main	**Zone:** R-20(Suburban Residential District)

Applicant	Soil Scientist	Property Owner
Michael Athanas & Associates	Michael Athanas & Associates	NIBLOCK HOMES LLC
Gary McNeely	Gary McNeely	
2630 Statesville Blvd	2630 Statesville Blvd	
Salisbury, NC 28147	Salisbury, NC 28147	
Mobile: (704) 310-1832	Mobile: (704) 310-1832	

Permit Custom Fields

EHExpeditedApplication/PermitType	Expedited Review	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 plan
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
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	No	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Jan 29 2024 12:00AM	Zoning Permit Expiration Date	Jul 27 2024 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	Additional Unique Setbacks Apply	No
Watershed	WSIV PA CATAWBA/LAKE NORMAN				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_1/26/2024.jpg	01/26/2024 11:55	McNeely, Gary		Uploaded via CSS
FT Check List_v1.pdf	01/26/2024 15:37	Hart, Ronda	Available Online	Additional Supporting Information
Saddlehorn Lot 14 AF_v1.pdf	01/26/2024 15:37	Hart, Ronda	Available Online	Authorize to Act as Agent
Saddlehorn Lot 14 Data Sheet_v1.doc	01/26/2024 15:37	Hart, Ronda	Available Online	Additional Supporting Information
Saddlehorn Lot 14 Soil Notes_v1.doc	01/26/2024 15:37	Hart, Ronda	Available Online	Additional Supporting Information
Saddlehorn Lot 14 Site Plan_v1.pdf	01/26/2024 15:44	Williams, Deborah	Available Online	Site Plan

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00026053	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Expedited Review New Pump System	$850.00	$850.00
	Total for Invoice INV-00026053	$927.25	$927.25

PERMIT SNAPSHOT REPORT (OSWP-2024-45764)

	Grand Total for Permit	**$927.25**	**$927.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		01/26/2024 15:37	01/26/2024 15:37
Confirm application complete v.1	Generic Action		01/26/2024 15:37
Fees v.1		01/30/2024 8:34	01/30/2024 8:34
Fees Paid v.1	Generic Action		01/30/2024 8:34
Issue Invoice v.1	Generic Action		01/30/2024 8:34
Lot Readiness Verification v.1			
~~OSWP Septic Preliminary Site Visit v.1~~	Inspection		01/30/2024 16:10
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		01/26/2024 15:43	01/30/2024 15:42
~~Floodplain Admin Overview v.1~~	Task		01/26/2024 15:43
Iredell County Zoning Approval v.1	Task	01/26/2024 15:43	01/30/2024 15:42
Issue Invoice v.1	Generic Action		01/26/2024 15:44
Fees Paid v.1	Generic Action		01/30/2024 8:34
Issue 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		

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

Sheet 1 *of* 1
PROPERTY ID #: 125 Crestview Lane; Lot 14 Saddlehorn PID#TBD
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Niblock Homes APPLICATION DATE:
ADDRESS: 759 Concord Parkway Suite 20 Concord, NC 28027 DATE EVALUATED: 11/2023
PROPOSED FACILITY: 4 Bedroom House PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 0.69 Acres
LOCATION OF SITE: 125 Crestview Lane 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

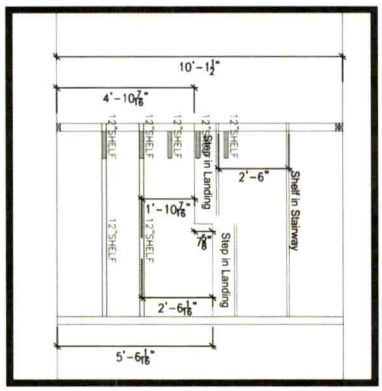
PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS / COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
Pit 1	L 5-6%	0"-7"	Br CL WSBK	SS SP FR SEXP		62"	Few to common saprolite inclusions 35"-62"		0.3
		7"-35"	R C ABK	SS SP FR SEXP					
		35"-62"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 5-6%	0"-8"	Br CL WSBK	SS SP FR SEXP		60"	Few to common saprolite inclusions 31"-60"		0.3 0.1+ Drip **Repair**
		8"-31"	R C WSBK	SS SP FR SEXP					
		31"-60"	R CL WSBK	SS SP FR SEXP					
Pit 3	L 5-6%	0"-9"	Br CL WSBK	SS SP FR SEXP		66"	Few to common saprolite inclusions 36"-66"		0.3
		9"-36"	R C WSBK	SS SP FR SEXP					
		36"-66"	R CL WSBK	SS SP FR SEXP					
Pit 4	L 5-6%	0"-10"	Br CL WSBK	SS SP FR SEXP		60"	Few to common saprolite inclusions 41"-51"		0.3 0.1+ Drip **Repair**
		10"-41"	R C ABK	SS SP FR SEXP					
		41"-51"	R CL WSBK	SS SP FR SEXP					
		51"-60"	V L Saprolite M	SS SP FR NEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	4635 ft2
System Type(s)	25% Reduction	Pretreated Drip
Site LTAR	0.3	0.11

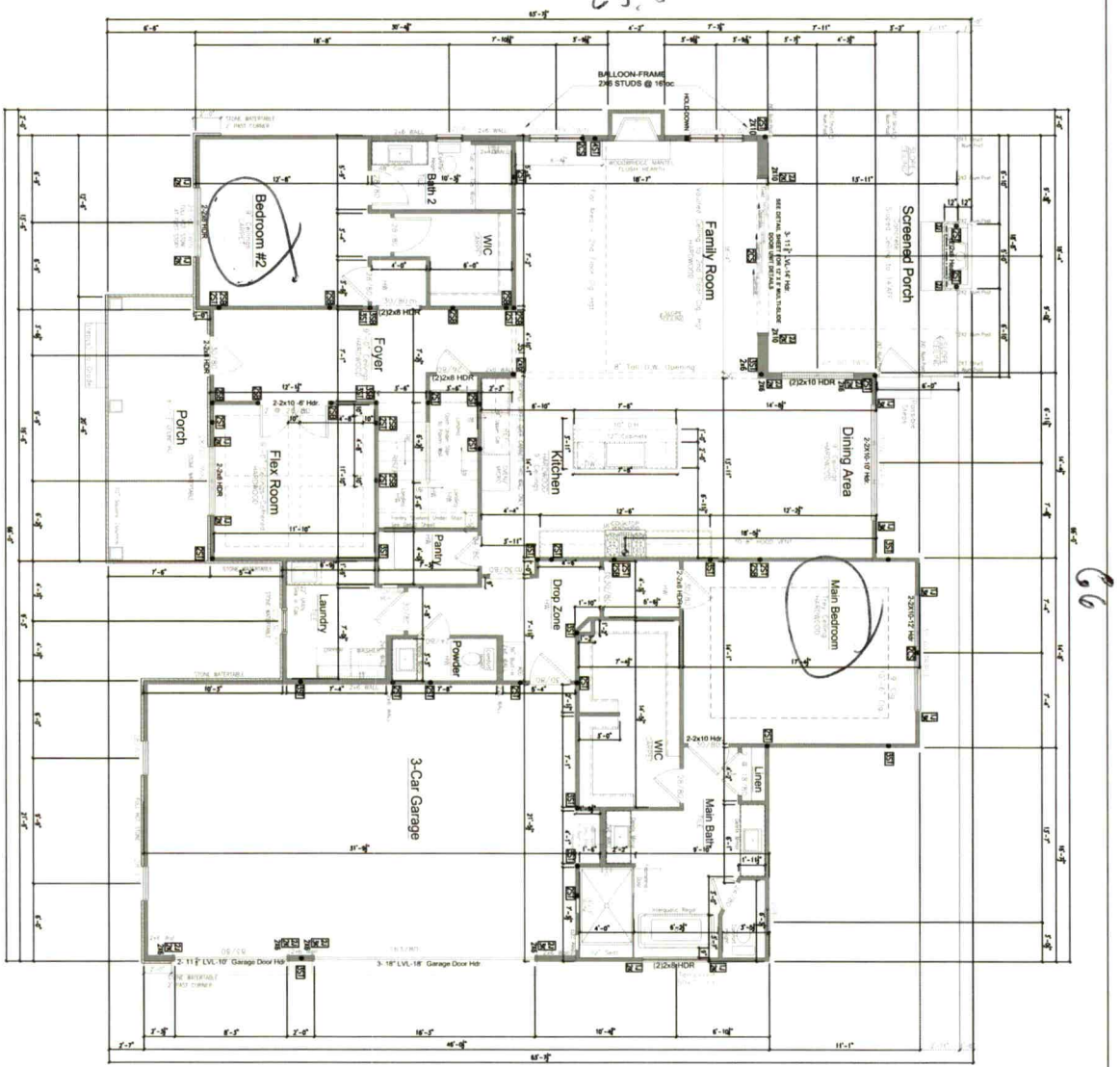
OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

Comments:

FRAMING
SQUARE FOOTAGES



C3.5



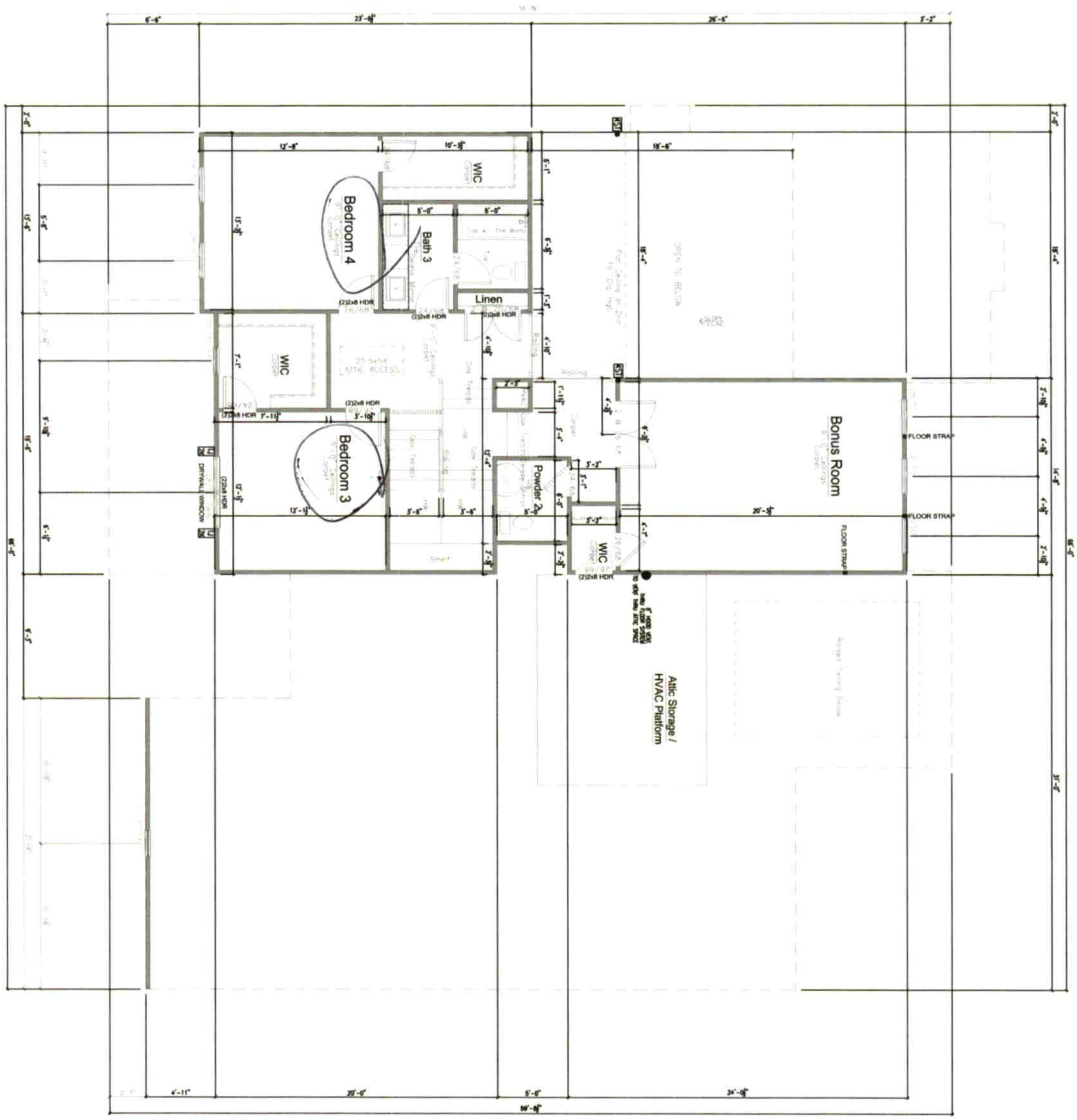
C3.6

DATE: 12-27-2024
PLAN: PAXTON - B
DRAWN BY: BL
ESTIMATED BY: DN
CHECKED BY: MN

FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0" (34X22)
SCALE: 1/8" = 1'-0" (17X11)

Saddlehorn Lot #014
Niblock Homes Inventory
PAXTON - B

NIBLOCK HOMES
759 Concord Parkway North
Concord, NC 28027
OFFICE (704) 788-4818
FAX (704) 784-3720



DATE: 12-27-2024
PLAN: PAXTON - B
DRAWN BY: BL
ESTIMATED BY: DN
CHECKED BY: MN

SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0" (34X22)
SCALE: 1/8" = 1'-0" (17X11)

Saddlehorn Lot #014
Niblock Homes Inventory
PAXTON - B

NIBLOCK HOMES
759 Concord Parkway North
Concord, NC 28027
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FAX (704) 784-3720