BLDR 2023 19968

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-13930 ✓

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

PIN # 4711-30-9243 ✓

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

SITE ADDRESS: 131 HIGH LAKE DR, STATESVILLE, NC 28677 | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: Buffalo Shoals to Laurel Cove to Harbor Watch to High Lake | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: Harbor Watch ✓ | SECTION: 2 ✓ | LOT #: 51 ✓ | LOT AREA: 1.11 | DESIGN FLOW: 480 | L.T.A.R.: .30

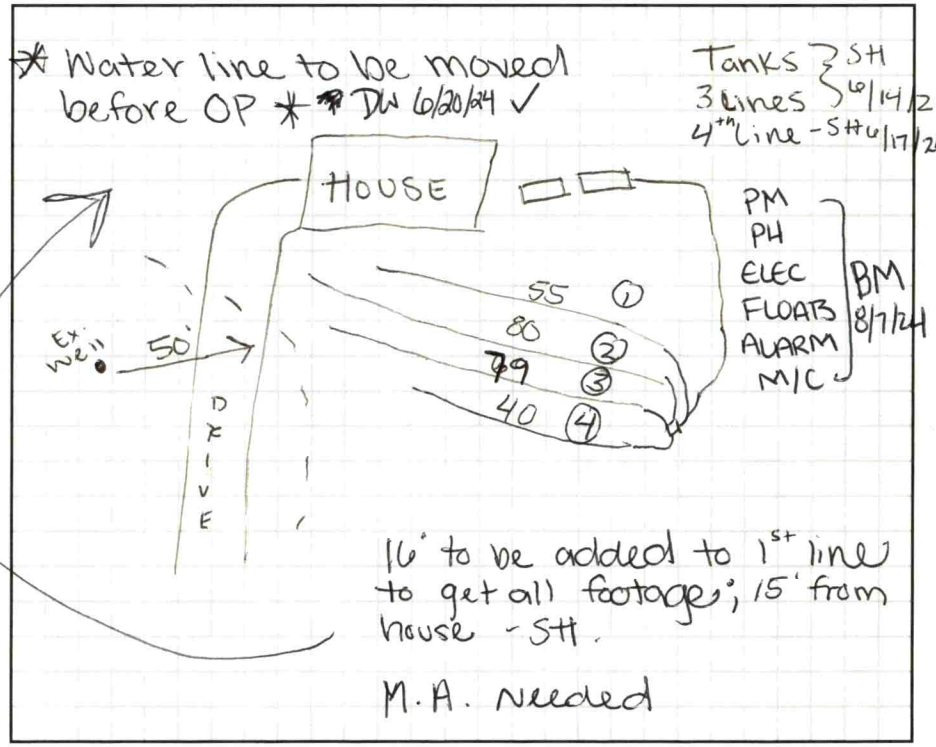
Septic Tank: (gal) 1000	STB: 760	Date: 4-23-24	☑ New System ☐ Repair ☐ Expansion	System Type:	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal) 1000	PT: 363	Date: 3-26-24	System Description: LP-PPBPS 50% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: LP-PPBPS 50% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 270	Maintenance Agreement Required: ☑ YES ☐ NO		☐ Slab	☐ Crawl Space	
Trench Width: 36in	Trench Bottom Depth (~~low side~~): 36in		Gravel Depth:	☐ GRAVITY ☑ PRESSURE	☑ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

See attached Site Plan and Proposals by Michael Athanas Associates

AS BUILT SKETCH



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: Benjamin A Botts ✓ | Date: 2-9-2023

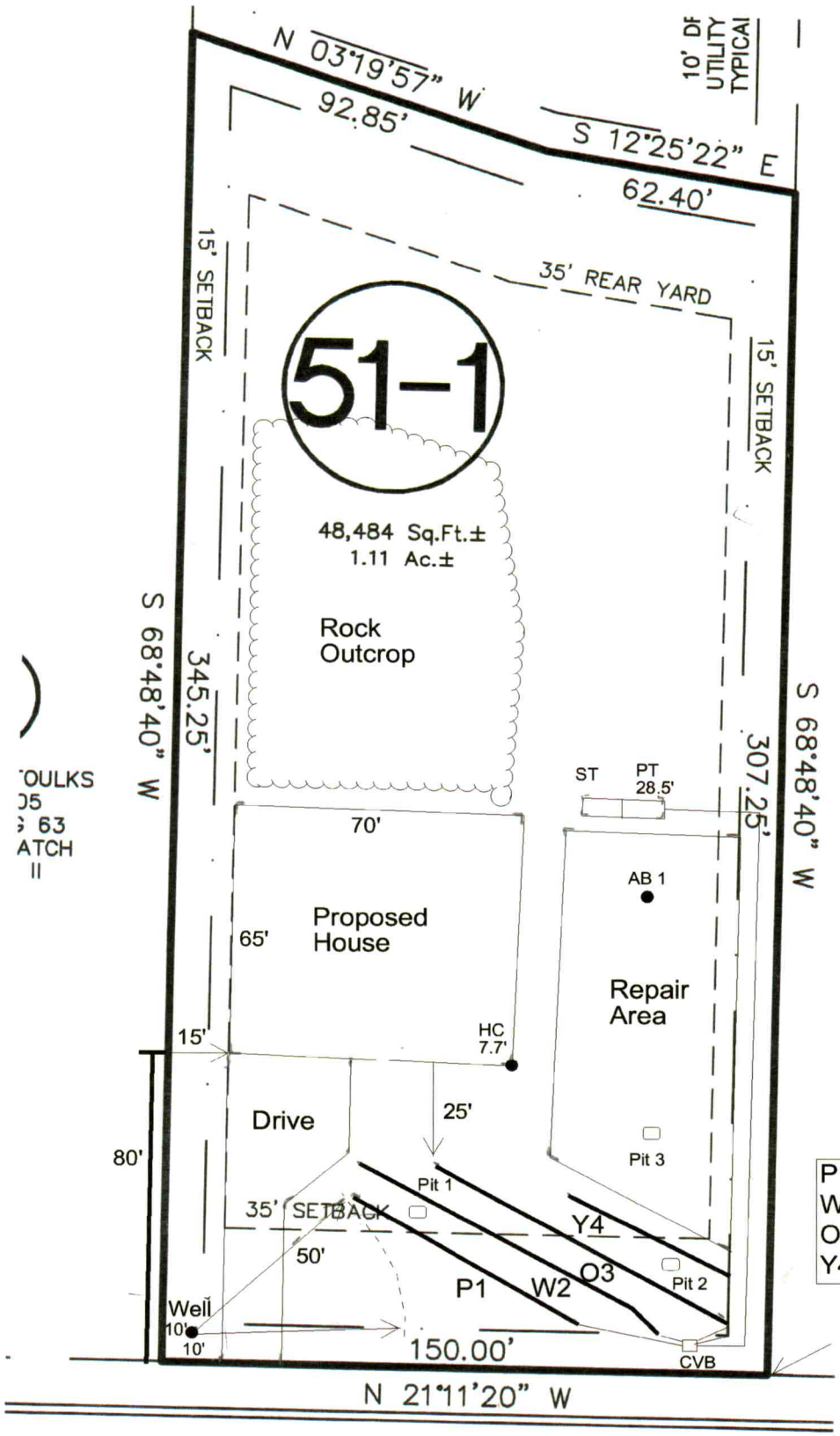
AUTHORIZATION TO CONSTRUCT by: ✓ | Date: 2/27/23

Installed By: Abernathy ✓

OPERATION PERMIT by: ✓ | Date: 8/7/24

Existing System Inspected By: | Date:

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



Repair Area Setback? TS+II

HIGH LAKE DRI

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Greybrook Homes LLC_____ APPLICATION DATE_____
ADDRESS: 127 W Hook Rd, Hopewell JCT, NY 12533_____ DATE EVALUATED: _12/2022_____
PROPOSED FACILITY: __4 BDRM_____PROPOSED DESIGN FLOW (.1949): __480 GPD_____ PROPERTY SIZE: __1.11 AC_____
LOCATION OF SITE: 131 High Lake Dr, Harbor Watch Lot 51-1_____ PROPERTY RECORDED: _____
WATER SUPPLY: X Private Public X Well Spring Other _____
EVALUATION METHOD: X Auger Boring X Pit Cut TYPE OF WASTEWATER: X 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	LS 8%	0-6	Br SCL WSBK	FR SS SP SXP	N/A	60"		N/A	PS 0.3
		6-29	R C SBK	FR SS SP SXP					
		29-60	R CL WSBK	FR SS SP SXP			Few SAP		
PIT 2	LS 8%%	0-6	Br CL WSBK	FR SS SP SXP	N/A	60"	N/A	N/A	PS 0.3
		6-39	R C SBK	FR SS SP SXP					
		39-60	R CL WSBK	FR SS SP SXP					
PIT 3	LS 20%	0-9	Br CL WSBK	FR SS SP SXP	N/A	57"	N/A	N/A	PS 0.3
		9-30	R C SBK	FR SS SP SXP					
		30-57	R CL WSBK	FR SS SP SXP					
AB 1	LS 40%	0-21	R C SBK	FR SS SP SXP	N/A	21"	N/A	N/A	DRIP 0.125
		21	AR-ROCK						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	540 FT^2	4320 FT^2
System Type(s)	PPBPS	DRIP
Site LTAR	0.3	0.125

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

EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____

COMMENTS:_____

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
1/13/2023

Reference: Data Sheet for 131 High Lake Rd, Harbor Watch Lot 51-1
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure – Central Valve Box
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 25.4 GPM
Dosing Volume: 223.2 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 31.4'
Friction Head: 2.3'
Pressure Head: 2'
Total Dynamic Head: 35.7'
Supply Line Length: 175' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"



Line	Design Length	# of Panels	Actual Length	Elevation
Pink 1	65'	15	65'	2.1'
White 2	78'	18	80'	2.8'
Orange 3	83'	19	85'	3.6'
Yellow 4	44'	10	45'	4.6'

Initial System: 270'
Pump Tank: 28.5'
Benchmark: 5.1'
Repair System: 4320 FT^2
House Corner: 7.7'

Comments:

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Comments:

PERMIT SNAPSHOT REPORT OSWP-2023-13930 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	01/17/2023
Work Class:	EH Septic Improvement Permit	**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:	Exp review				

Parcel: 4711309243.000 Main	**Address:** 131 High Lake Dr Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent
Michael Athanas & Associates
Gary McNeely
2630 Statesville Blvd
Salisbury, NC 28147
Mobile: (704) 310-1832

Property Owner
Leigh Homes
11220 Elm Lane Suite 109
Charlotte, NC 28277

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	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Basement with Plumbing	Water Supply	New Well	Desired Septic System Type	Modified Conventional
If other septic system type, please explain		Lot Acreage	1.11	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
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 CA CATAWBA/LAKE NORMAN		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_1/17/2023.jpg	01/17/2023 16:18	McNeely, Gary		Uploaded via CSS
131 High Lake Data Sheet.docx	01/19/2023 16:50	Nebel, Barbara	Available Online	Data Sheet
131 High Lake Dr AA Form.pdf	01/19/2023 16:50	Nebel, Barbara	Available Online	AA Form
131 High Lake Dr Soil Notes.doc	01/19/2023 16:50	Nebel, Barbara	Available Online	Soil Notes
131 High Lake Site Plan.pdf	01/19/2023 16:50	Nebel, Barbara	Available Online	Site Plan

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00007899	Iredell Zoning Tech Fee		$2.25	$2.25
	Iredell Zoning Permit Fee		$75.00	$75.00
		Total for Invoice INV-00007899	$77.25	$77.25
INV-00008157	New Gravity System		$850.00	$850.00
		Total for Invoice INV-00008157	$850.00	$850.00
		Grand Total for Permit	**$927.25**	**$927.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		01/19/2023 16:50	01/19/2023 16:50

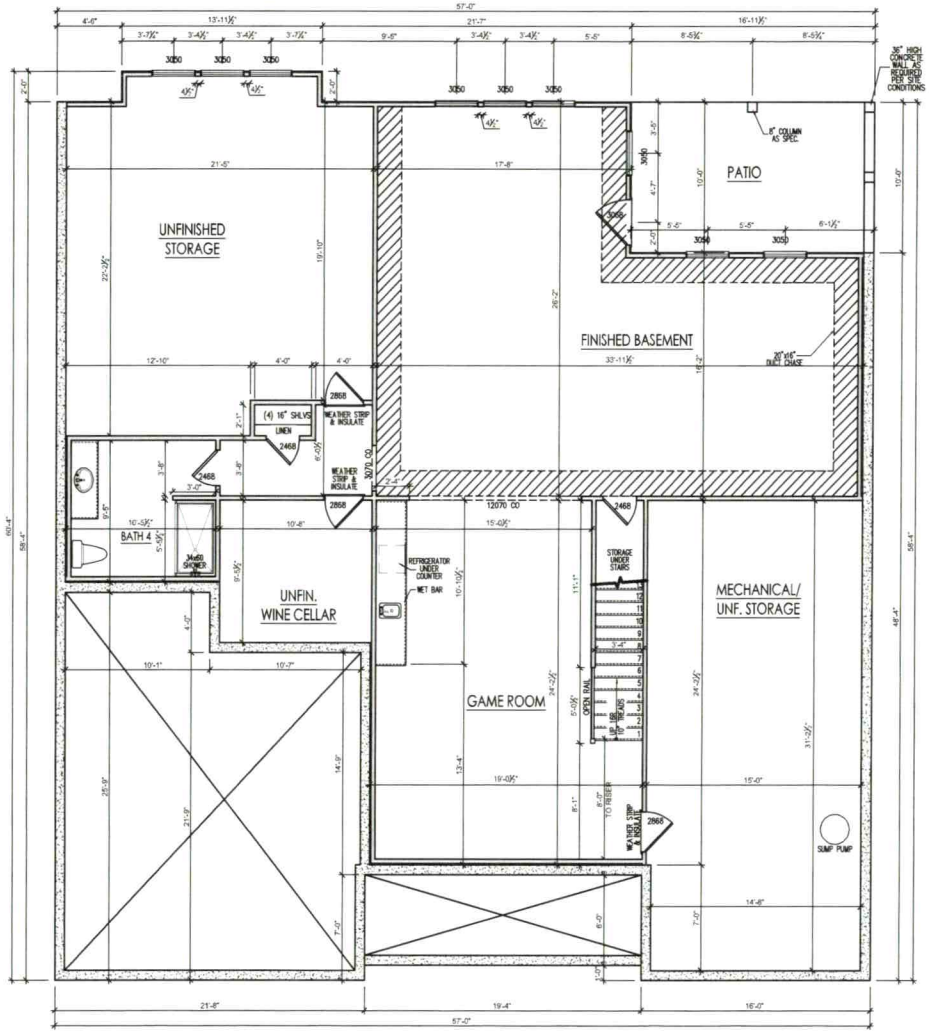
PERMIT SNAPSHOT REPORT (OSWP-2023-13930)

Confirm application complete v.1	Generic Action		01/19/2023 16:50
Fees v.1		01/27/2023 9:02	01/27/2023 9:02
Issue Invoice v.1	Generic Action		01/27/2023 9:02
Fees Paid v.1	Generic Action		01/27/2023 9:02
Zoning Review v.1		01/19/2023 16:50	01/27/2023 9:00
Iredell County Zoning Approval v.1	Task	01/19/2023 16:50	01/27/2023 9:00
Issue Invoice v.1	Generic Action		01/20/2023 14:45
Fees Paid v.1	Generic Action		01/27/2023 9:00
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
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		

General Floor Plan Notes

General Floor Plan Notes shall apply unless noted otherwise on plan.

1. Wall Heights: Typically 10'-1-1/2" at first floor, and 9'-1-1/2" at second floor U.N.O. All walls are constructed using a double top plate. Splices at Double Top Plate do not need to occur at Vertical Studs but must be at least 24" apart from Joint in other Top Plate layer. Special wall heights are noted on plans where they occur.
2. Wall Thickness is typically 4" at exterior walls. 3-1/2" at interior. 2x6 frame shall be used at walls that back up to plumbing fixtures. Walls greater than 10' high shall be framed with 2x6 framing or greater and will be noted as a special condition where it occurs on plan.
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13. Garage Walls, as a minimum, shall be separated from living space by installing 1/2" gypsum board on the garage side of the wall. With habitable space above, the inside of all garage walls require 1/2" GWB supporting 5/8" type X GWB on ceiling.



FINISHED WALKOUT BASEMENT PLAN
SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

Cary Whl
2/27/23

SOUTH DESIGNS
(O) 919-556-2226
(F) 919-556-2228
www.southdesigns.com

GREYBROOK HOMES

REV. #	DESCRIPTION	DATE
1	PROTOTYPE WALK CHANGES, ELECTRICAL, ADDED BOTH PORCH OPT	10/15/2018
2	Updated The Optional Fireplace Rough Opening Size	02/27/2019
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

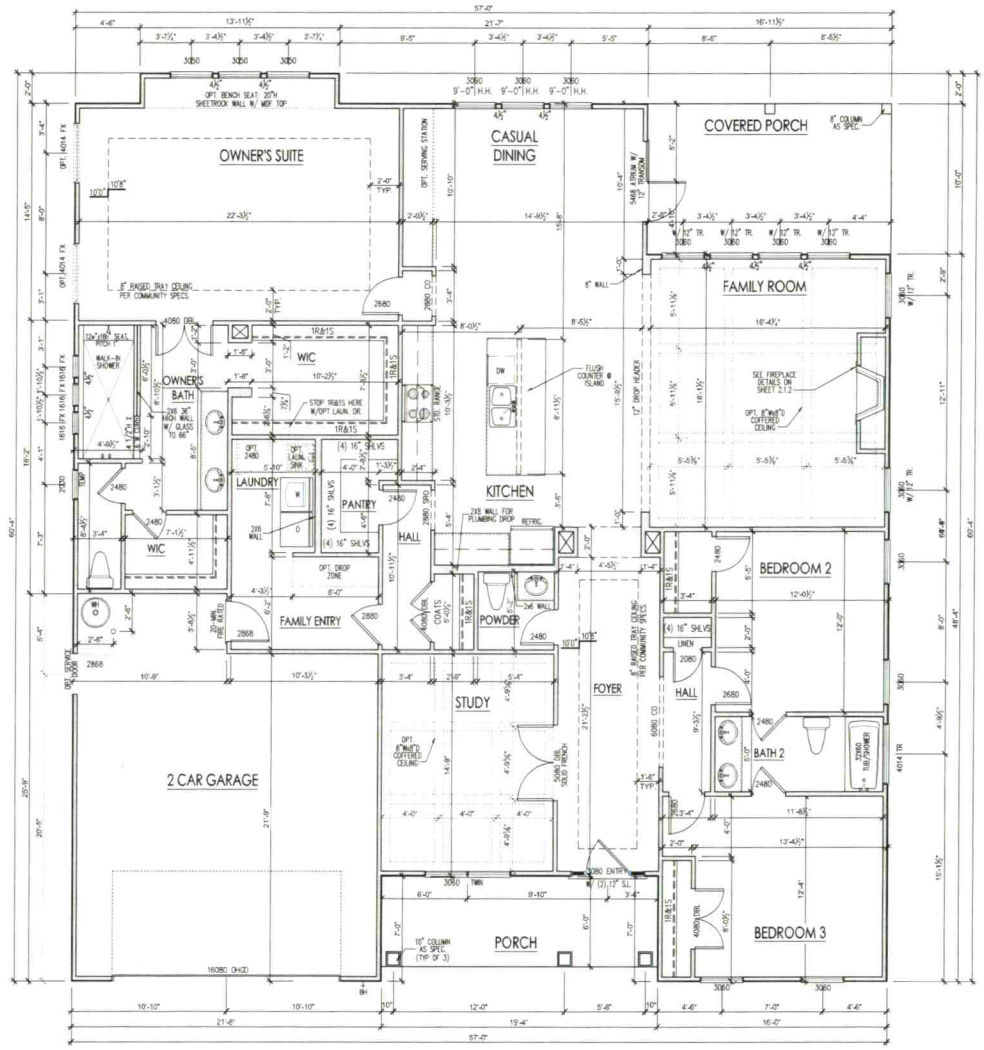
3141 - COLUMBIA - LH
SIGNATURE COLLECTION
Finished Basement Plan

DRAWN BY: South Designs
ISSUE DATE: 05/01/2018
CURRENT REVISION DATE: 07/06/2021
SCALE: 1/8" = 1'-0"
SHEET: 2.0.1a

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FIRST FLOOR PLAN 'A'

SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

Cary Hill
2/27/23

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(F) 919-556-2228
www.southdesigns.com

GREYBROOK HOMES

REV. #	DESCRIPTION	DATE
1	PROTOTYPE WALK CHANGES, ELECTRICAL, ADDED BONUS PORCH OPT	05/18/2016
2	Updated The Optional Fireplace Rough Opening Sizes	02/27/2019
3	---	---
4	---	---
5	---	---
6	---	---
7	---	---
8	---	---

3141 - COLUMBIA - LH
SIGNATURE COLLECTION
First Floor Plan 'A'

DRAWN BY: South Designs

ISSUE DATE: 05/01/2016

CURRENT REVISION DATE: 07/06/2021

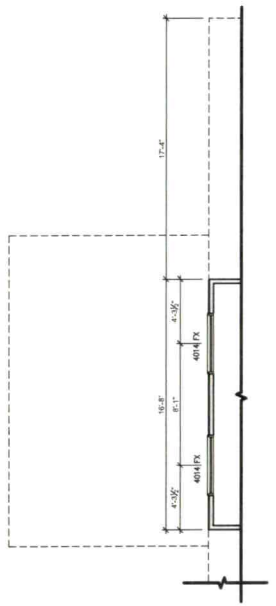
SCALE: 1/8" = 1'-0"

SHEET: 2.1a

General Floor Plan Notes

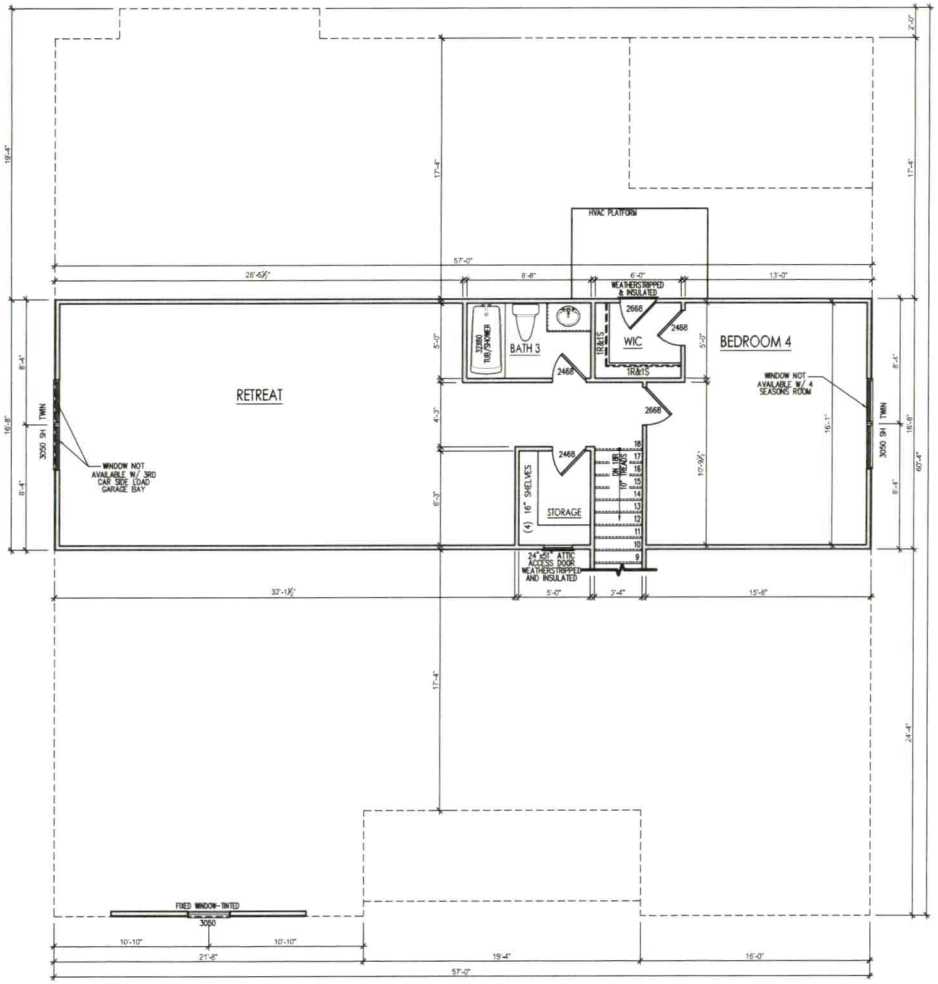
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2ND FLR W/ OPT 3RD CAR SIDE LOAD

SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34



SECOND FLOOR OPT. RETREAT / BEDROOM 4 PLAN 'A'

SCALE: 1/8"=1'-0" ON 11x17, 1/4"=1'-0" ON 22x34

Cay WLL
2/27/23

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GREYBROOK HOMES

REV. #	DESCRIPTION	DATE
1	PROTOTYPE WALK CHANGES, ELECTRICAL, ADDED SUNN PORCH OPT	10/18/2018
2	Updated The Optional Fireplace Rough Opening Sizes	02/27/2019
3		
4		
5		
6		
7		
8		

3141 - COLUMBIA - LH
SIGNATURE COLLECTION
Second Floor Plan 'A'

DRAWN BY: South Designs
ISSUE DATE: 05/01/2018
CURRENT REVISION DATE: 07/06/2021
SCALE: 1/8" = 1'-0"
SHEET: 2.2a