IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 (BCW) Mooresville Office (704) 660-3625 PERMIT # 232260

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

PIN # 4624583560

APPLICANT/OWNER: Robert Sulay — APPLICANT ADDRESS: 111 Mackey CT Mooresville NC 28117

SITE ADDRESS: 134 Cape Cod Way Mooresville NC 28117 — PHONE: - — ALT. PHONE -

SITE DIRECTIONS: Brawley School Rd on Torrence Chapel on Shelburne on Cape Cod Way — SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: The Point — SECTION: 11 — LOT # 1136 — LOT AREA: .948 AC — DESIGN FLOW: 600 gpd — L.T.A.R.: .80

Septic Tank	1500 (gal)	SIB	964	Date	5-3-2019	☑ New System ☐ Repair ☐ Expansion	System Type: I II III (IV) V VI	☑ Residence	No. Bedrooms 5
Pump Tank	1500 (gal)	PT	389	Date	7-23-2020	System Description:	CP-PPBPS 50% Reduction	☐ Business	No. Persons 10
Pump Make	ORENCO	Model	PF5002II	Serial #	20EU22-5574	Repair System Description:	7% II PPBPS	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	6	Linear Ft	336	Maintenance Agreement Required:	☑ YES ☐ NO	☐ Slab	☑ Crawl Space
Trench Width	36	Trench Bottom Depth(Low side)	36 Max	Gravel Depth	-		☐ GRAVITY ☑ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☑ Community

Comments / Conditions: Supply Line must be buried a min of 30 inches wide driveway or Sleeved in Ductile Iron. No Foundation drain allowed front of house due to 15ft Setback from Repair Line if upSlope

SUPPLY LINE CHECKED 10-30-2020

INITIAL SITE SKETCH

See attached site plan
+ design by Michael Athanas
+ Associates CSS # 1252

AS BUILT SKETCH

10/23/2020: only 1 drainline checked measurements on site sketch Not to scale.
10-28 Checked lines, tanks and CUB JB
11/13/2020: Brakers checked, Alarm checked floats checked, pressure set. still need maintenance agreement

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

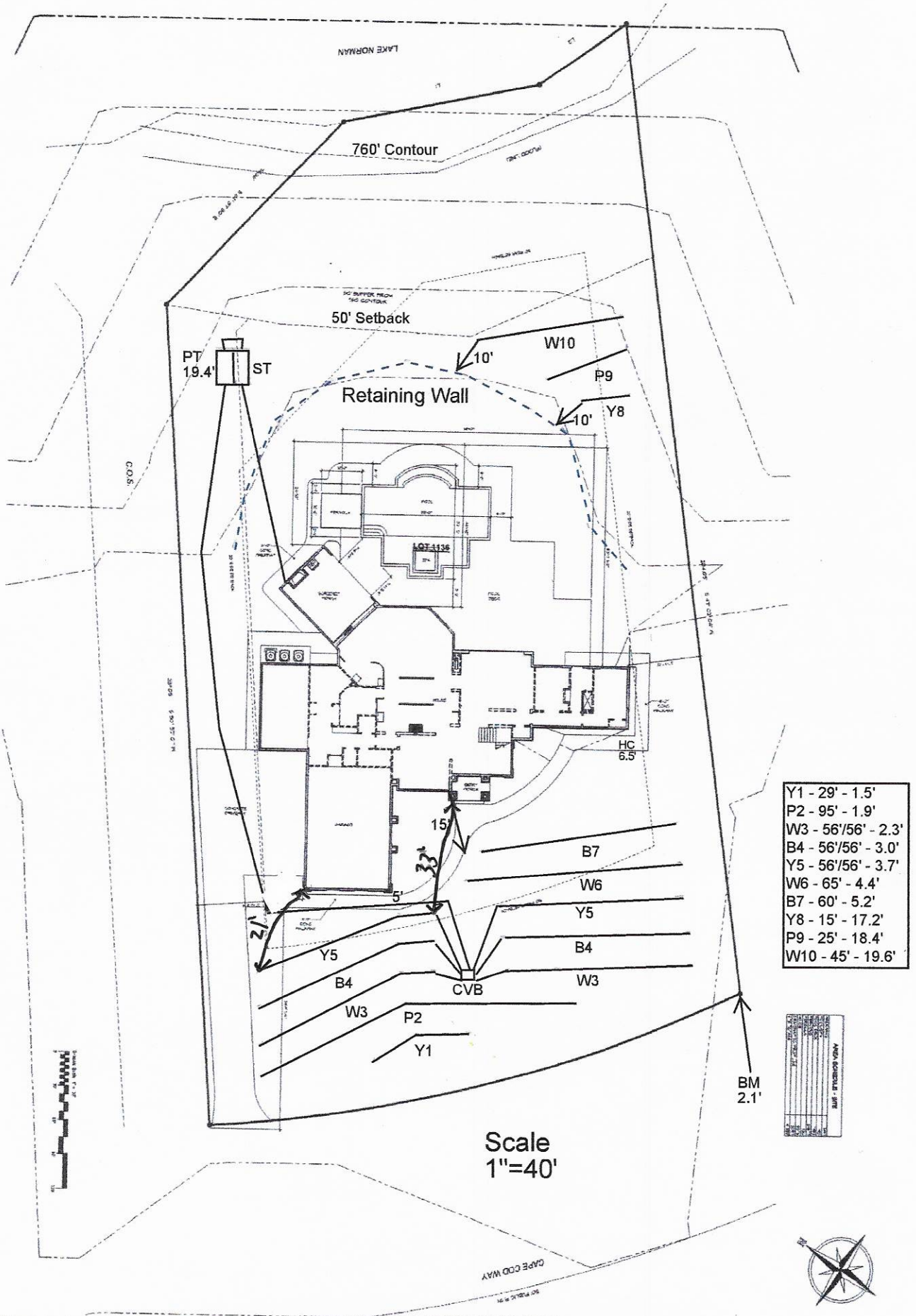
☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: [signature] Date: 11/5/2019 Installed by: Richard Abernathy

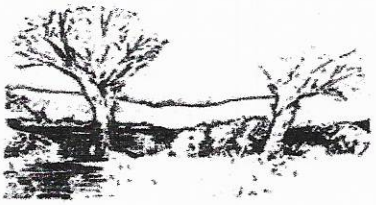
IMPROVEMENT PERMIT by: Benjamin Abbott Date: 11/5/2019 OPERATION PERMIT by: Patrick Bobbitt Date: 12/2/2020

AUTHORIZATION TO CONSTRUCT by: Benjamin Abbott Date: 11/5/2019 Existing System inspected by: Date:

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 inspection time.



	SITE PLAN	The Salaj Residence			Arthur Rutenberg Homes
	NOT FOR CONSTRUCTION	PB Bluefield Builders, Inc.	194 Cape Cod Way Hendersville, NC 28111		



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887
10/23/2019

Reference: Data Sheet for 134 Cape Cod Way, The Point Lot 1136
House Footprint: See attached plan
Building Setbacks: 50' front/rear, 20' side, 50' lake
Water Source: Community well
Number of Bedrooms/Daily Flow: 5/600 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: PPBPS
Proposed Repair System Type: TS II PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 32 GPM
Dosing Volume: 280.8 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 22.1'
Friction Head: 5.8'
Pressure Head: 2'
Total Dynamic Head: 29.9'
Supply Line Length: 235' of 2" PVC
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 36" maximum



Line	Design Length	# of Panels	Actual Length	Elevation
Yellow 1			29'	1.5'
Pink 2			95'	1.9'
White 3	**56'/56'**	**13/13**	**133'**	**2.3'**
Blue 4	**56'/56'**	**13/13**	**132'**	**3.0'**
Yellow 5	**56'/56'**	**13/13/**	**131'**	**3.7'**
White 6			65'	4.4'
Blue 7			60'	5.2'
Yellow 8			15'	17.2'
Pink 9			25'	18.4'
White 10			45'	19.6'

Initial System: 336'
Pump Tank: 19.4'

Repair System: 334'
House Corner: 6.5'

Benchmark: 2.1'

Comments:

PROPERTY ID #: 4627583560
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Pauline Lease APPLICATION DATE
ADDRESS: 151 Capital Ave, APT 1101, Mooresville, NC 28117 DATE EVALUATED:
PROPOSED FACILITY: 5 BDRM PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 0.95 AC
LOCATION OF SITE: 134 Cape Cod Way, The Point Lot 1136 PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☒ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ 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 6%	0-35	FILL		N/A		N/A	N/A	US
		35-65	R CL WSBK	FR SS SP SXP					
PIT 2	LS 6%	0-5	Br CL WSBK	FR SS SP SXP	N/A	56"		N/A	PS 0.3
		5-20	R C SBK	FR SS SP SXP					
		20-56	R CL WSBK	FR SS SP SXP					
		56-65	VER SL SAP M	FR SS SP SXP			F-C SAP PS		
PIT 3	LS 6%	0-18	R C SBK	FR SS SP SXP	N/A	43"		N/A	PS 0.3
		18-43	R CL WSBK	FR SS SP SXP					
		43-63	VER SL SAP M	FR SS SP SXP			F-C SAP PS		
AB 1	LS 6%	0-16	R SCL SBK	FR SS SP SXP	N/A	48"		N/A	PS 0.3
		16-30	R C SBK	FR SS SP SXP					
		30-48	R CL WSBK	FR SS SP SXP			F-C SAP		

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1002 FT^2	5400 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:

APPROVED MAY 29 2019 KW

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4624583560____
DATE OF EVALUATION: _____
COUNTY: ___Iredell_____

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
AB 2	LS 6%	0-18	R C SBK	FR SS SP SXP	N/A	48"	F-C SAP	N/A	PS 0.3
		18-48	R CL WSBK	FR SS SP SXP					
AB 3	LS 6%	0-24	R C SBK	FR SS SP SXP	N/A	48"	F-C SAP	N/A	PS 0.3
		24-48	R CL WSBK	FR SS SP SXP					
AB 4	LS 6%	0-5	Br CL WSBK	FR SS SP SXP	N/A	48"	F-C SAP	N/A	PS 0.3
		5-24	R C SBK	FR SS SP SXP					
		24-48	R CL WSBK	FR SS SP SXP					

COMMENTS: _____

APPROVED MAY 2 9 2019 KW

PROPERTY ID #: 4624583560
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Brett Hemphill APPLICATION DATE
ADDRESS: 1917 Yacht Camilla, Newport Beach, CA 92660 DATE EVALUATED:
PROPOSED FACILITY: 5 bdrm PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 0.948 AC
LOCATION OF SITE: 134 Cape Cod Way, The Point Lot 1136 PROPERTY 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	LS 5% ✓	0-8	COMPACTED		N/A	60"	N/A	N/A	PS 0.3
		8-35	R C SBK	FR SS SP SEXP					
		35-60	R CL WSBK	FR SS SP SEXP					
PIT 2	LS 5%	0-6	COMPACTED		N/A	56"	F-C SAP	N/A	PS 0.3
		6-32	R C SBK	FR SS SP SEXP					
		32-56	R CL WSBK	FR SS SP SEXP					
PIT 3	LS 5% ✓	0-10	COMPACTED		N/A	56"	N/A	N/A	PS 0.3
		10-32	R C SBK	FR SS SP SEXP					
		32-58	R CL WSBK	FR SS SP SEXP					
PIT 4	LS 5%	0-12	COMPACTED		N/A	63"	N/A	N/A	PS 0.3
		12-30	R C SBK	FR SS SP SEXP					
		30-63	R CL WSBK	FR SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1008 FT2	1005 FT 2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT: Tom Shuck 12/21/2017

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4624583560
DATE OF EVALUATION: _____
COUNTY: IREDELL

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	
AB 1	LS 5%	0-12	COMPACTED		N/A	48"	N/A	N/A	PS 0.3
		12-28	R C SBK	FR SS SP SEXP					
		28-48	R CL WSBK	FR SS SP SEXP					

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

$225.00 10.28.19

APPLICATION FORM #232260

Application For:
( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (✓) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: Robert Salay Address: 111 Marbury Ct, Mooresville, NC Zip: 28117
Applicant Email: Tom (bldr)-TArndt@arhomes.com Phone: _____ Alt. Phone: _____
Owner Name: Same Address: _____ Zip: _____
Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 134 Cape Cod Way
Subdivision Name: The Point Section/Phase: _____ Lot Number: 1136
Driving Directions: _____

Site Development Information: *(check or complete ALL that apply*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 5
Maximum Number of Occupants: _____
(✓) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____
( ) New Well ( ) Existing Well (✓) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative (✓) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:
( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 10/28/2019
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may: Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Robert & Lisa Salay, am the legal owner(s) of the property located at 134 Cape Cod Way Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4624583560.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas & Associates, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Signature of Owner(s) 10/23/2019 Date

Signature of Witness 10/23/2019 Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

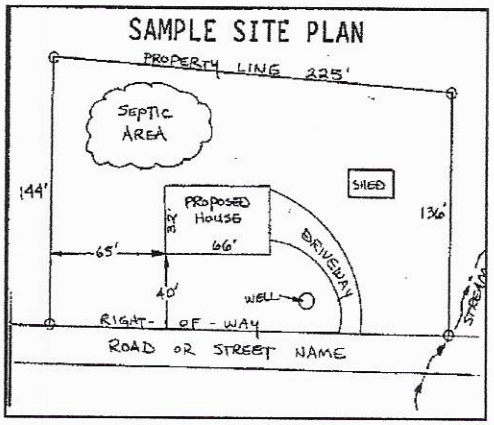
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. ***INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WELL PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

( ) Property Line measurements are clearly identified
( ) All proposed structures are indicated
( ) Front and side setbacks from property line
( ) Preferred driveway location
( ) Preferred well location
( ) Preferred septic system location
( ) North arrow, or other sufficient indicator of direction



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	N/A
Location of easements and rights of ways on your property	N/A
Location of any designated wetlands on the property	N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See attached plan

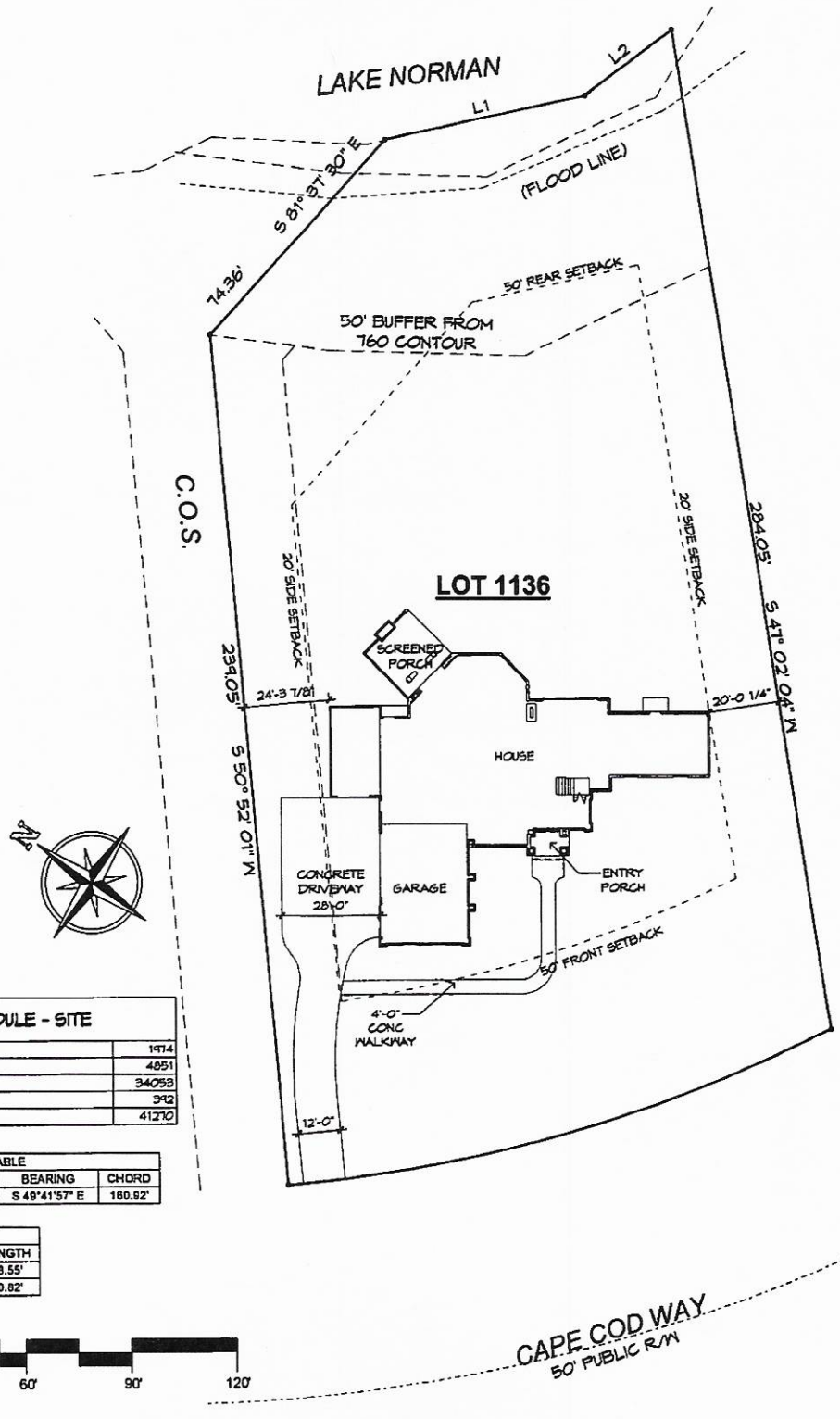
Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

10/28/2019

DATE

Arthur Rutenberg Homes



AREA SCHEDULE - SITE	
DRIVEWAY TO PROP LINE	1414
HOUSE	4851
PERVIOUS	34059
WALKWAYS	942
SITE TOTALS	41270

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	425.00	161.80'	S 49°41'57" E	160.82'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S 46° 37'27" E	58.55'
L2	S 70° 26'45" E	30.82'

Graphic Scale: 1" = 30'

0 30' 60' 90' 120'

This plan is the sole and exclusive property of Arthur Rutenberg Homes, Inc. The reproduction, use or modification of this plan, for any purpose other than building a home with Arthur Rutenberg Homes or its authorized franchisees, is strictly prohibited.

Note: Plan information is conceptual only. Certain items may be changed at production stage.

Franchise: #98 Bluefield Builders, Inc.
File #: Salay-E
Drawn By: MDF
Date: August 19, 2019

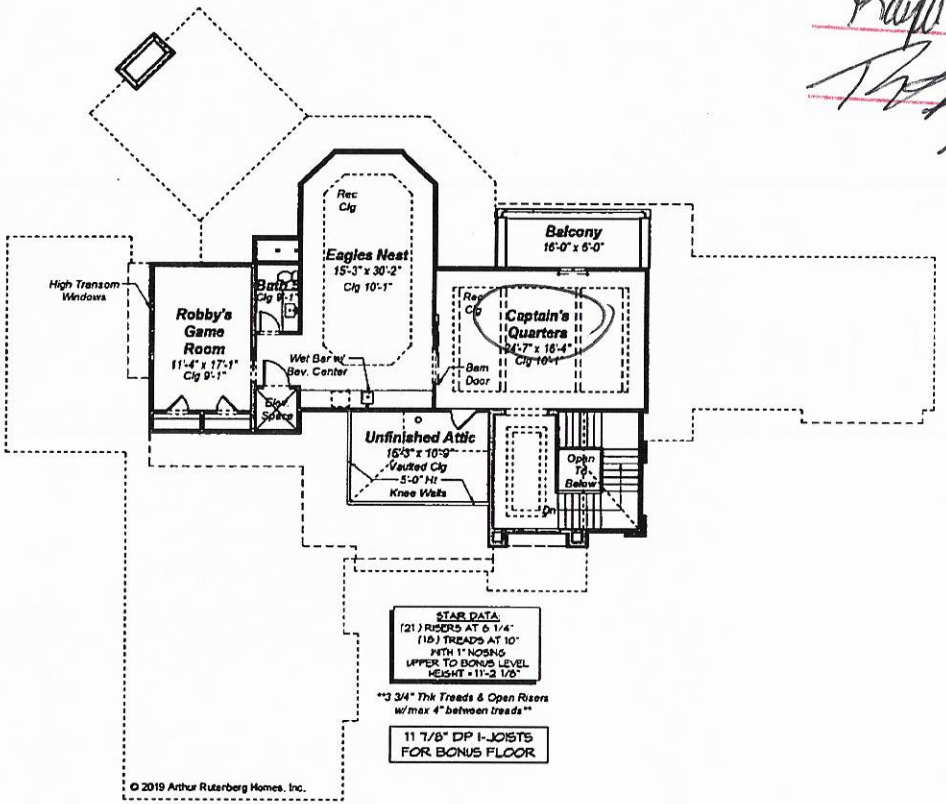
A Custom Plan for:
The Salay Residence
134 Cape Cod Way
Mooresville, NC 28117

Arthur Rutenberg Homes

Acknowledgement Of Plans Submittal ONLY!

Date 9-3-19

Date 11/5/2019



MEASUREMENT IN FEET

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

This plan is the sole and exclusive property of Arthur Rutenberg Homes, Inc. The reproduction, use or modification of this plan, for any purpose other than building a home with Arthur Rutenberg Homes or its authorized franchisees, is strictly prohibited.

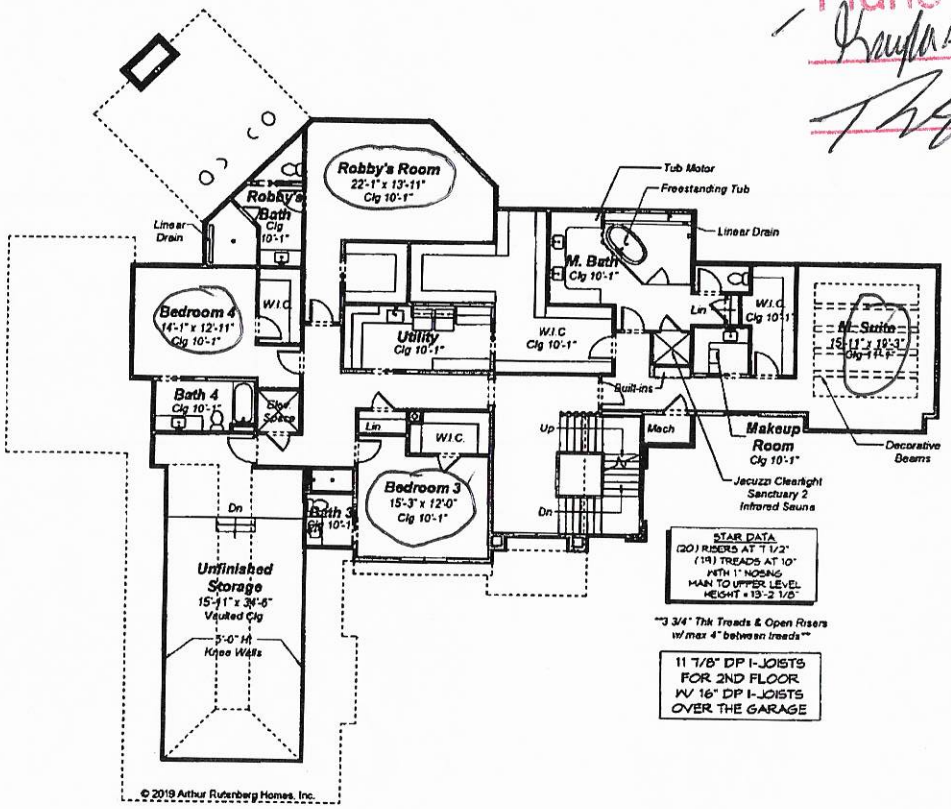
Note: Plan information is conceptual only. Certain items may be changed at production stage.

Franchise:	#98 Bluefield Builders, Inc.
File #:	Salay-E
Drawn By:	MDF
Date:	August 19, 2019

A Custom Plan for:
The Salay Residence
134 Cape Cod Way
Mooresville, NC 28117

Arthur Rutenberg Homes

Acknowledgement Of
Plans Submittal ONLY!
Date 9-3-19
Date 11/5/2019



This plan is the sole and exclusive property of Arthur Rutenberg Homes, Inc. The reproduction, use or modification of this plan, for any purpose other than building a home with Arthur Rutenberg Homes or its authorized franchisees, is strictly prohibited.

Note: Plan information is conceptual only. Certain items may be changed at production stage.

Franchise:	#98 Bluefield Builders, Inc.
File #:	Salay-E
Drawn By:	MDF
Date:	August 19, 2019

A Custom Plan for:
The Salay Residence
134 Cape Cod Way
Mooresville, NC 28117

134 Cape Cod Way

Acknowledgement Of Plans Submittal ONLY!

Date 9-3-19

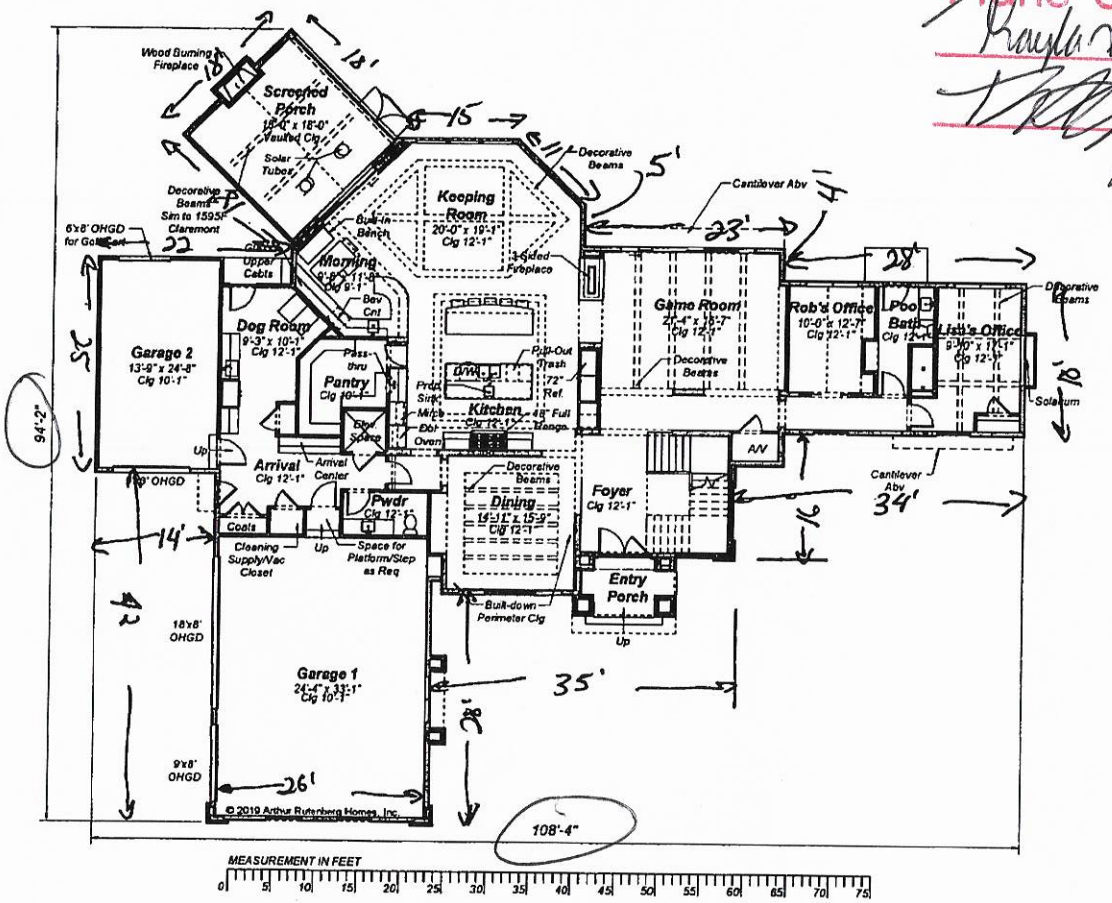
Date 11/5/2019

Arthur Rutenberg Homes

Main Level Living	3179
Upper Level Living	2923
Bonus Level Living	1389
Garage 1	871
Unfinished Storage	622
Garage 2	365
Screened Porch	322
Unfinished Attic	184
Entry Porch	72
Total	9927

Upper Level Living	2923
Main Level Living	3179
Bonus Level Living	1389
Total	7491

Balcony	126
Total	126



This plan is the sole and exclusive property of Arthur Rutenberg Homes, Inc. The reproduction, use or modification of this plan, for any purpose other than building a home with Arthur Rutenberg Homes or its authorized franchisees, is strictly prohibited.

Note: Plan information is conceptual only. Certain items may be changed at production stage.

Franchise:	#98 Bluefield Builders, Inc.
File #:	Salay-E
Drawn By:	MDF
Date:	August 19, 2019

A Custom Plan for:
The Salay Residence
134 Cape Cod Way
Mooresville, NC 28117