IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 239496

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

PIN # 4646232408

APPLICANT/OWNER: Richard Dierker APPLICANT ADDRESS: 11 Balmoral Dr Pittstown, NJ

SITE ADDRESS: 338 Ponderosa Circle Mooresville, NC PHONE: 704-576-3887 (Mike Athanas) ALT. PHONE —

SITE DIRECTIONS: US 21 S → L on Ponderosa Circle → lot on L SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Lake Norman Bonanza SECTION: — LOT # 28 LOT AREA: DESIGN FLOW: 480gpd L.T.A.R.: .3 (.3 repair)

Septic Tank	existing	(gal)	STB	Existing	Date	Existing	☐ New System	☐ Repair	☑ Expansion	System Type: I II (III) IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	existing conv + 25% reduction			
Pump Make			Model		Serial #		Repair System Description:	PPBPS (1 bedroom)			
# Nitrification Fields	1		# Lines	2 @ 50'	Linear Ft:	100'	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36"		Trench Bottom Depth(Low side)	34"/36" highside	Gravel Depth	—		☑ GRAVITY	☐ PRESSURE		

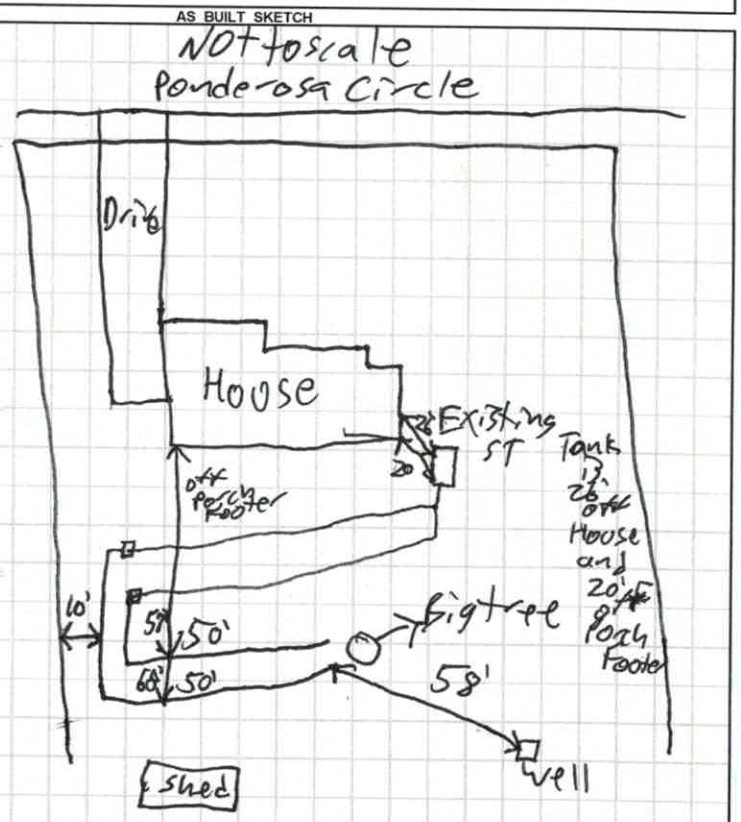
☑ Residence	No. Bedrooms	4	Water Supply	
☐ Business	No. Persons	8	☑ Private	
☐ Other	No. Employees		☐ Public	
☐ Slab	☐ Crawl Space		☐ Community	
☑ Basement w/plumbing			☐ Basement w/o plumbing	

Comments / Conditions: Per phone conversation w/ Richard Dierker on 4/22/19, no landing/stairs to deck on rear of house.

INITIAL SITE SKETCH

See attached site plan 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: Kayla Wilson Date: 10-17-18

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 4/22/19

Installed by: Michael Powell

OPERATION PERMIT by: Patrick Boyce III Date: 10/29/19

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 inpsector to confirm your inspection time.

16.2
28.3
Frame Building
N02°39'12"W 129.92
N02°36'08"W 109.88 Tie
#4 Rebar Found
Well
#4 Rebar Found
Exiting 760 Contour Line
50'
50' From Exiting 760 Contour Line
P6-48'
Pit 4
W5-50'
Pit 3
AB 1
Pit 2
O4-50'
35' Setback
Drop Boxes
Y3-100'-Ex
Lot 28
23,361 Sq.Ft.
P2-100'-Ex
D-box
Pit 1
W1-45'
N
S76°24'48"W 191.30
N79°37'25"E 189.36
Concrete
1 Story Frame Basement #338
Deck
28.6
Ex ST
15' Setback
40.3
1.0
22.0
24.2
22.3
28.8
Scale 1"=30'
Lot 27
Proposed House
75'
Concrete
15' Setback
78.7
Gravel Drive
35' Setback
APPROVED OCT 17 2018
KW
LE
RADIUS
195.61
od Bearing
04°05'43"E
I.P.S.
C1
1/2" I.P. Found
N02°44'29"W 110
S02°37'03"E-109.00
18°05'10"E 84.76 Tie
E.O.P.
Ponderosa Cir
E.O.P.
E.O.P.
60' R/W
be subject
ights-of-way,
ovenants.
ion based on Plat
as recorded
Register of Deeds.
GRAPHIC SCALE
50
0
25
50
100



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

Reference: Data Sheet for 338 Ponderosa Cir, Bonanza Lot 28
House Footprint: 75' x 75'
Building Setbacks: 35' front/rear. 15' side, 50' lake
Water Source: Existing well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: Existing system + 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Distribution box/Drop Box/End Cap
Septic Tank Size: Existing 1250 gallons
Proposed Trench Bottom: 36"



Line	Design Length	Actual Length
White 1		45'
Pink 2 (ex)	**100'**	**100'**
Yellow 3 (ex)	**100'**	**100'**
Orange 4	**50'**	**53'**
White 5	**50'**	**54'**
Pink 6		48'

Initial System: 200' of existing conventional + 100' of 25% reduction
Repair System: 93'

Comments:
The lot was deeded in 1962. The existing system is a three bedroom. MA&A are expanding the system to four bedrooms. The system can be a minimum of 5' from the property line. The existing system is fed from a distribution box. A drop box will be placed at the end of each of the existing lines. The drop boxes will tie in to the first new line. The new lines will be distributed serially.
The existing tank is marked in blue flags and the proposed house in pink/yellow.

APPROVED OCT 17 2018
KW

APPROVED OCT 17 2018 KW

PROPERTY ID #: 4646232408
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Richard A. Dierker
ADDRESS: 11 Balmoral Dr, Pittstown, NJ 08867
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 338 Ponderosa Cir, Lake Norman Bonanza Lot 28
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.54 AC
PROPERTY RECORDED: 1962
WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other
EVALUATION METHOD: Ξ 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	LS 4%	0-4	Br CL WSBK	FR SS SP SXP	N/A	60"	N/A	N/A	PS 0.3
		4-30	R C SBK	FR SS SP SXP					
		30-60	R CL WSBK	FR SS SP SXP					
PIT 2	LS 4%	0-13	RBr CL WSBK	FR SS SP SXP	N/A	60"	N/A	N/A	PS 0.3
		13-39	R C SBK	FR SS SP SXP					
		39-60	R CL WSBK	FR SS SP SXP					
PIT 3	LS 4%	0-15	RBr CL WSBK	FR SS SP SXP	N/A	52"	N/A	N/A	PS 0.3
		15-44	R C SBK	FR SS SP SXP					
		44-52	R CL WSBK	FR SS SP SXP					
PIT 4	LS 6%	0-12	RBr CL WSBK	FR SS SP SXP	N/A	60"	N/A	N/A	PS 0.3
		12-39	R C SBK	FR SS SP SXP					
		39-60	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300 FT^2 addition	279 FT^2
System Type(s)	25% Red add	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4646232408___
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 4%	0-14	Br CL WSBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3
		14-30	R C SBK	FR SS SP SXP					
		30-48	R CL WSBK	FR SS SP SXP					

2-3496

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

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: Richard Dierker **Address:** 11 Balmoral Dr, Pittstown, NJ **Zip:** 08867

Applicant Email: rdierker@hotmail.com **Phone:** _____ **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 338 Ponderosa Cir

Subdivision Name: Lake Norman Bonanza **Section/Phase:** _____ **Lot Number:** 28

Driving Directions: _____

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

CHECK FOUNDATION TYPE

(✓) 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: 4
Maximum Number of Occupants: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____

( ) 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: Accepted

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: _____ 10/12/2018
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, Richard A. Dierker, am the legal owner(s) of the property located at 338 Ponderosa Circle Mooresville, NC, identified as PIN (Parcel Identification Number) 4646232408, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Michael Athanas or Gary McNeely, 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.

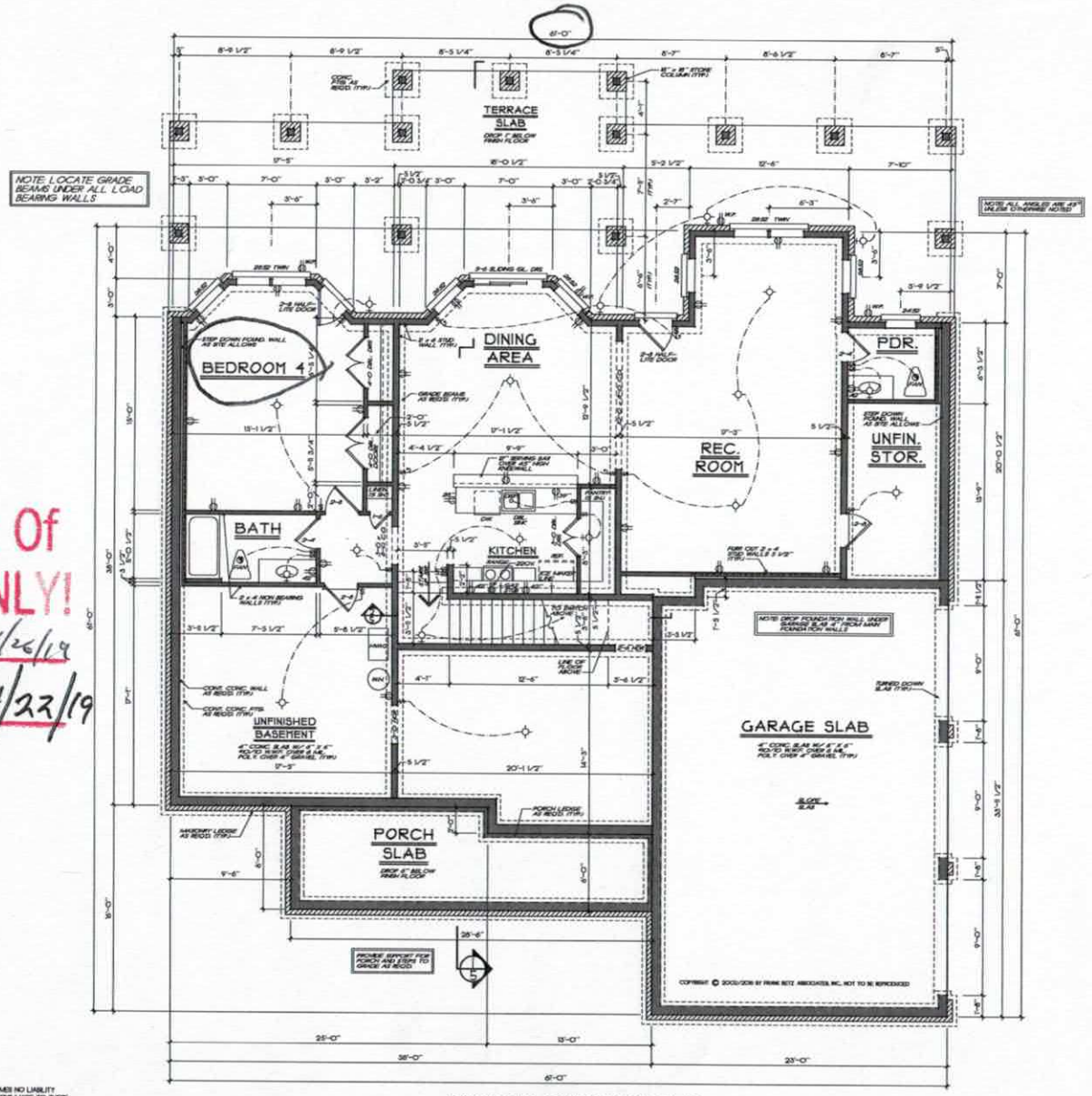
Richard A. Dierker — Signature of Owner(s) — 10/12/18 — Date

Peggy Sue Henton — Signature of Witness — 10-12-18 — 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



BASEMENT FOUNDATION PLAN

1/4" = 1'-0"

Acknowledgement Of Plans Submittal ONLY!

Date 4/26/19

Date 4/22/19

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REVISIONS	DATE	BY

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DIERKER RESIDENCE
MOORESVILLE, N.C.

BASEMENT FOUND. PLAN

THE WOODCLIFFE

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3550 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-431-0888 888-717-3003

BY: FLOY CAD CK: KENNY JOH

DATE: 8-19-102 8-20-18

SHEET: 2

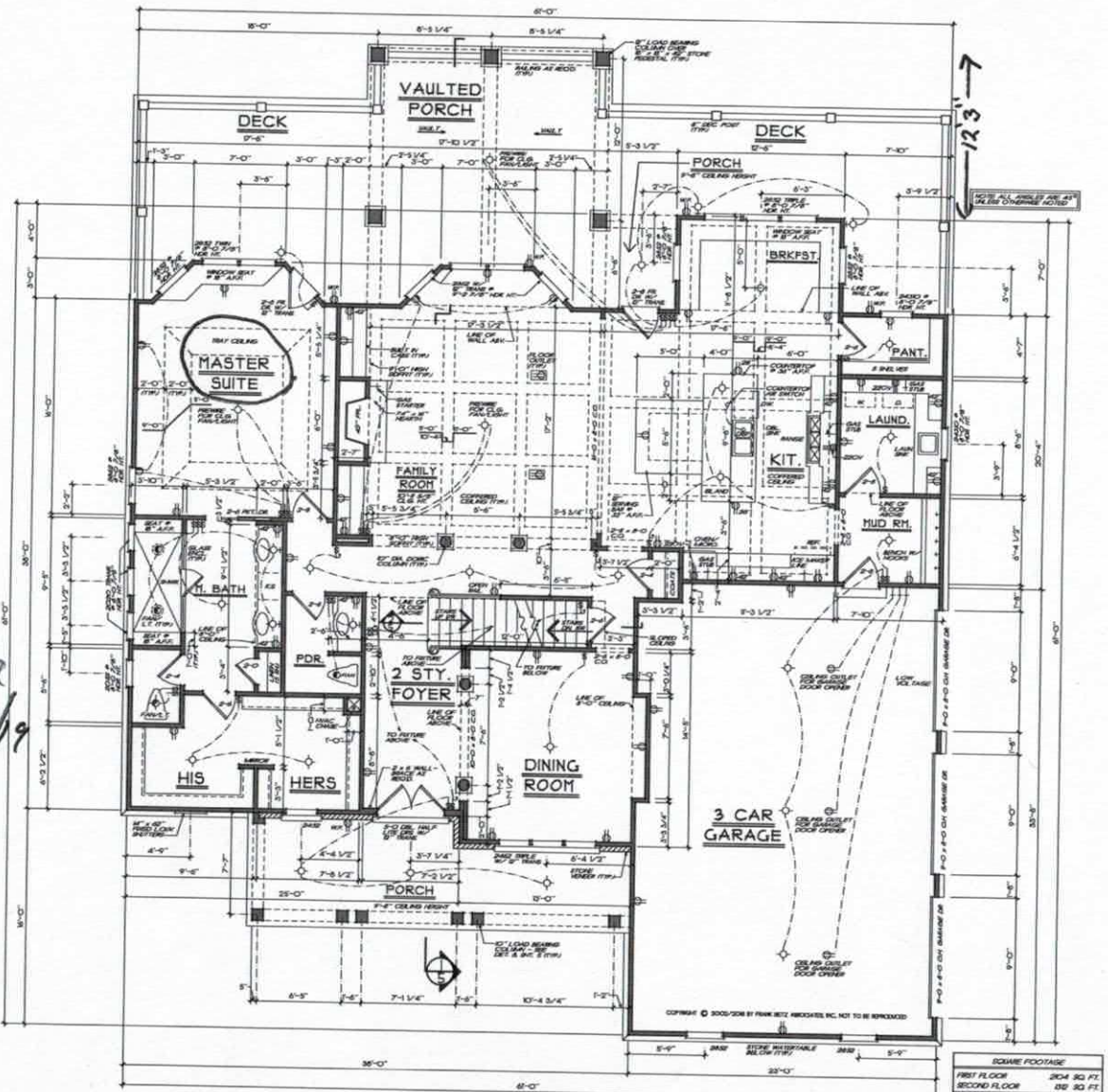
OF: 5

GENERAL NOTES

GENERAL FRAMING NOTES

WARRANTY AND LIABILITY

Acknowledgement Of
Plans Submittal ONLY!
Date 4/26/12
Date 4/22/19



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

SQUARE FOOTAGE	
FIRST FLOOR	2804 SQ. FT.
SECOND FLOOR	512 SQ. FT.
TOTAL	3468 SQ. FT.
KIDS ROOM	293 SQ. FT.
OPT. BATH	43 SQ. FT.
TOTAL	3754 SQ. FT.
FINISHED BASEMENT	859 SQ. FT.

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REVISIONS	DATE	BY
CLNR 28-40	7-9-03	CAS
CLNR 34-40	7-24-03	SCH
CLNR 34-05	8-20-03	KJT
CLNR 34-14	9-8-03	SCH
PER CUSTOMER	9-9-8	CAS

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DIERKER RESIDENCE
MOORESVILLE, N.C.

FIRST FLOOR PLAN

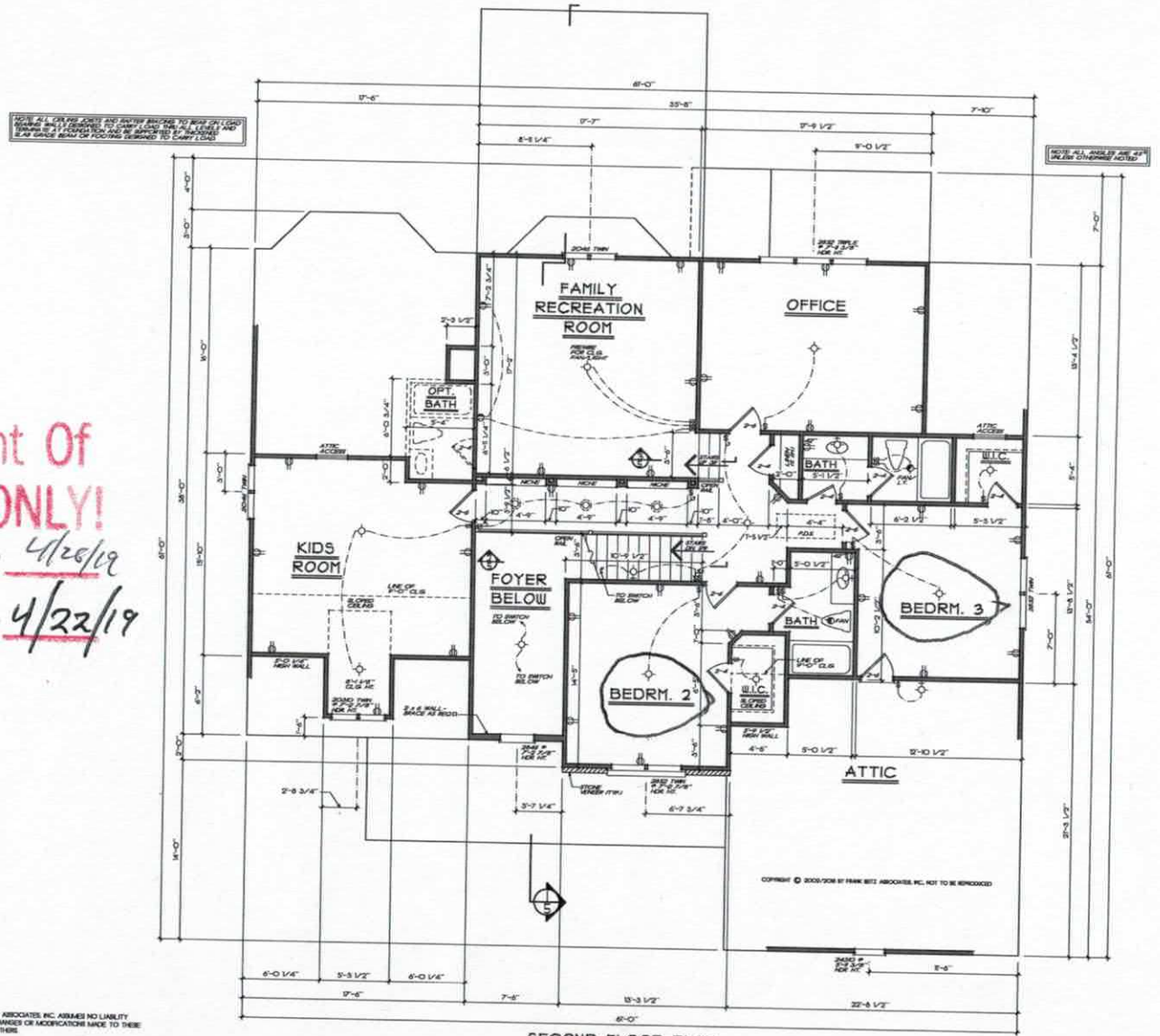
THE WOODCLIFFE

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3550 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-421-0888 888-717-3003

BY: PLD/ CAS CHK: XXX/ JCH

DATE: 8-18-03/ 8-21-03

SHEET: 3 OF: 5



SECOND FLOOR PLAN

Acknowledgement Of Plans Submittal ONLY!

Date 4/26/19

Date 4/22/19

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REVISIONS	DATE	BY
CLAR. 28-SO	4-16-03	CAC
AS-BUILT	6-1-18	CAC

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MOORESVILLE, N.C.

SECOND FLOOR PLAN

THE WOODCLIFFE

FRANK BETZ ASSOCIATES, INC.
DESIGNERS OF CUSTOM AND STOCK HOMEPLANS
3550 GEORGE BUSBEE PARKWAY
SUITE 190
KENNESAW, GEORGIA 30144
770-431-0888 888-717-3003

BY: PLD/CAC CK: KEM/JDH

DATE: 6-30-03/12-20-18

SHEET: 4 OF: 5

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
239496
Issue Date: 10/12/2018

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4646232408.000	338 PONDEROSA CIRCLE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: DIERKER RICHARD A	Applicant: MICHAEL ATHANAS & ASSO
Address: 11 BALMORAL DR	Address: 561 ENNIS RD
PITTSTOWN, NJ 8867	WEDDINGTON, NC 28173
Phone:	Phone: 704-576-3887

Use Requested	Zone Code
SFD	R20

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	50.00	15.00	15.00	CACL	X

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	155452	TOTAL FEES:	$ 77.25