IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 216170

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

PIN # 4627-11-6965

APPLICANT: AR Homes | APPLICANT ADDRESS: 2006 Brawley School Rd. Mooresville, NC

SITE ADDRESS: 334 Lakeview Shores Loop Mooresville, NC | PHONE: 704-696-8262 | ALT. PHONE:

SITE DIRECTIONS: BSR towards Lake Norman → TR on McKendree → TR on Lakeview Shores Loop → Site on Right

SUBDIVISION: CL+T | SECTION: 8 | LOT # 301 | LOT AREA: 0.81 acres | DESIGN FLOW: 480 gal/day | L.T.A.R.: 0.30

Septic Tank	1000 (gal)	STB	794	Date	3-10-17
Pump Tank	1000 (gal)	PT	283	Date	4-10-17
Pump Make	Goulds	Model		Serial #	
# Nitrification Fields	1	# Lines	5	Linear Ft:	268
Trench Width	24"	Max. Trench Bottom Depth	36"	Gravel Depth	—

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

System Description: LP-PPBPS 50% Reduction

Repair System Description: TS-II Drip

Maintenance Agreement Required: ☒ YES ☐ NO

☐ GRAVITY ☒ PRESSURE

☒ Residence ☐ Business ☐ Other ☒ Slab ☐ Crawl Space ☒ Basement w/plumbing ☐ Basement w/o plumbing

No. Bedrooms: 4 | No. Persons: 8 | No. Employees:

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Follow all N.C. septic rules. No grading activities whatsoever are to be done in the primary + repair septic areas. Install lines exactly as depicted on plan.

2-19-16: At time of A/C application submitted, it was determined that the 4th bedroom is in the basement. Likewise, if a whole-house ejector is used to convey the household sewage to the disposal system, a 2nd septic tank (trash tank) will be required.

INITIAL SITE SKETCH

9/8/17

See attached plans by Michael Athanas + Associates

Dated/Applied: 1-21-16

AS BUILT SKETCH

Installed 5 lines & Checked Valve box & Supply line

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: Betty L Stowe | Date: 2/19/16 | Installed by: ABERNATHY | Date: 11/16/17

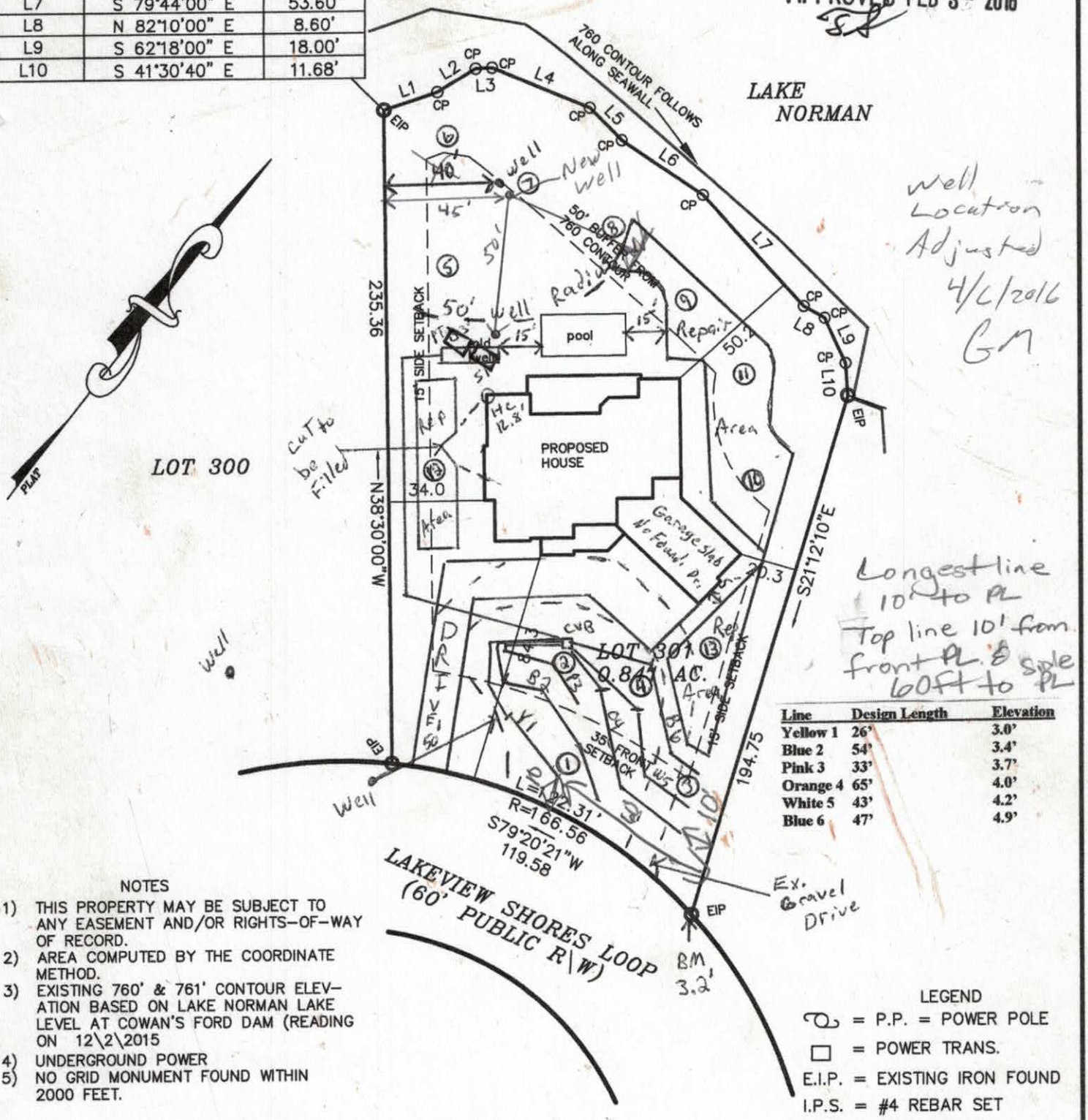
IMPROVEMENT PERMIT by: Tom Shuck | Date: 2-3-16 | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: Tom Shuck | Date: 2-19-16 | Existing System Inspected by:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

L3	N 49°31'00" E	5.82'
L4	N 74°31'00" E	37.62'
L5	S 82°07'00" E	16.25'
L6	N 86°46'00" E	35.01'
L7	S 79°44'00" E	53.60'
L8	N 82°10'00" E	8.60'
L9	S 62°18'00" E	18.00'
L10	S 41°30'40" E	11.68'

APPROVED FEB 3 - 2016



Well Location Adjusted 4/1/2016 GM

Longest line 10' to PL
Top line 10' from front PL & side 60ft to PL

Line	Design Length	Elevation
Yellow 1	26'	3.0'
Blue 2	54'	3.4'
Pink 3	33'	3.7'
Orange 4	65'	4.0'
White 5	43'	4.2'
Blue 6	47'	4.9'

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 12\2\2015
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

LEGEND
P.P. = POWER POLE
□ = POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
CP = COMPUTED POINT

0' 25' 50' 100'
SCALE IN FEET

PLOT PLAN SURVEY
OF
LOT 301 CRESCENT LAND & TIMBER SECT.8

SCALE 1" = 50'
DAVIDSON TWSP., IREDELL CO., N.C.
ACQUIRED BY: BLUEFIELD BUILDERS LLC

FIELD BOOK: 500-H
FILE: CLT 301S8
DC FILE:
TAX MAP NO:

DHHS

ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: ____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jeffery Cossar — APPLICATION DATE: 1-21-16
ADDRESS: 154 Vineyard Dr. Mooresville, NC — DATE EVALUATED: 2-1-2016
PROPOSED FACILITY: 4BR House — PROPOSED DESIGN FLOW (.1949): 480 gal/day — PROPERTY SIZE: 0.81 acres
LOCATION OF SITE: 334 Stony Lakeview Shores Loop Mooresville, NC — PROPERTY RECORDED: Yes
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) .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
X	Slump Hole?	0-5	clay Loam weak SBK	Slightly Friable	—	25	—	—	P.T Needed
		5-10	clay weak SBK	Slightly Firm, SS, Sp, Sexp					
		10-25	Loamy Sand weak granular	Friable, SS, Sp, Sexp	Black Blotches				
1	1	0-6	clay Loam weak SBK	Slightly Friable, SS, Sp, Sexp	Black Blotches w/mixed sandy loam	48	—	—	P.T needed
		6-42"	clay Moderate to weak ABK	Firm, SS, Sp, Sexp					
	By Rd Primary	42-48	clay Loam moderate SBK	Friable, SS, Sp, Sexp	—				
2	2	0-10	clay Loam weak ABK	Slightly Friable, SS, Sp, Sexp	—	48	—	—	0.3 PS
		10-40	clay weak to moderate SBK	Firm, SS, Sp, Sexp					
	Repair	40-48	clay Loam weak SBK	Slightly Friable, SS, Sp, Sexp					
3 Pit 2-2-16 Pit	3 [Location #1] Primary	0-6"	Clay Loam weak SBK	Slightly Friable, SS, Sp, Sexp	Many Manganese Nodules throughout —	60	—	—	0.3 PS
		6-46	Clay + Abundant Saprolite (Loam) weak ABK	Slightly Firm, SS, Sp, Sexp					
		46-60	clay Loam weak SBK	Slightly Friable, SS, Sp, Sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Yes	Yes
System Type(s)	30% Reduction	Drip
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: Gary McNelly

COMMENTS: ____

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4627116965
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

APPROVED FEB 3 - 2016

OWNER: Jeffery Cossar
APPLICATION DATE
ADDRESS: 154 Vineyard Dr. Mooresville, NC 28117
DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 0.841 AC
LOCATION OF SITE: 334 Lakeview Sh Lp, CL&T Sec 8, Lot 301
PROPERTY RECORDED: 10/5/1977
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	
1	LS 3%	0-4	Br CL WSBK	FR SS SP SEXP	N/A	48"		N/A	PS 0.3
		4-34	R C SBK	FR SS SP SEXP					
		34-48	R CL WSBK	FR SS SP SEXP			F-C SAP		
2	LS 3%	0-3	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		3-36	R C SBK	FR SS SP SEXP					
		36-48	R CL WSBK	FR SS SP SEXP					
3	LS 3%	0-6	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		6-48	R C SBK	FR SS SP SEXP					
4	LS 6%	0-4	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-48	R C SBK	FR SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	536 FT2	4100 FT2
System Type(s)	PPBPS	DRIP
Site LTAR	0.3	0.15

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

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

APPROVED FEB 3 - 2016

PROPERTY ID #: 4627116965
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 5%		FILL						US
6	LS 5%		FILL						US
7	LS 5%	0-8	Br CL WSBK	FR SS SP SEXP	Few Mn	48"	N/A	N/A	PS 0.275
		4-48	R C SBK	FR SS SP SEXP					
8	LS 5%	0-3	FILL		Few Mn	48"	N/A	N/A	PS 0.3-0.275
		3-10	Br CL WSBK	FR SS SP SEXP					
		10-43	R C SBK	FR SS SP SEXP					
		43-48	R CL WSBK	FR SS SP SEXP					
9	LS 5%	0-8	FILL		N/A	48"	N/A	N/A	PS 0.3
		8-48	R C SBK	FR SS SP SEXP					

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

APPROVED FEB 3 - 2016

PROPERTY ID #: 4627116965
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
10	LS 5%	0-7	Br CL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		7-48	R C SBK	FR SS SP SEXP					
11	LS 5%	0-6	Br CL WSBK	FR SS SP SEXP	N/A	40+"	N/A	N/A	PS 0.3
		6-40+	R C SBK	FR SS SP SEXP					
12	LS 5%	0-5	Br CL WSBK	FR SS SP SEXP	N/A	38+"	N/A	N/A	PS 0.3
		5-38+	R C SBK	FR SS SP SEXP					
13	LS 8%	0-4	FILL		N/A	36+"	N/A	N/A	PS 0.3
		4-12	Br CL WSBK	FR SS SP SEXP					
		12-36+	R C SBK	FR SS SP SEXP					

LICENSED SOIL SCIENTIST
STATE OF NORTH CAROLINA

COMMENTS:

RECEIVED FEB 1 1 2016

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

Application For:
( ) Septic Improvement Permit ( ) New Well Permit ( ) Authorization to Construct ( ) Well Repair Permit ( ) Existing System Inspection ( ) Well Abandonment ( ) 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:
Place an (X) beside whichever is submitted if applicable
( ) Survey Plat, scaled no more than 1 inch = 60 feet
( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: BLUEFIELD BLDRS/ ARTHUR RUTENBERG HOMES Address: 127 PROMENADE DR # B Phone: 704 746 3536

Owner Name: JEFF & ALI COSSAR Address: 154 VINEYARD DR MOORESVILLE NC 28117 Phone: 704-515-8899

Property Information:

Street Address: 334 LAKEVIEW SHORES LOOP MOORESVILLE 28117

Subdivision Name: CLYDE T Section/Phase: B Lot Number: 301

Driving Directions: BRAWLEY SCHOOL RD, RIGHT ON MCKENDREE, RIGHT ON LAKEVIEW SHORES LOOP, PROPERTY ON RIGHT

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

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

( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(X) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business:
Square Footage of Building:
Maximum Number of Employee:
Maximum Number of Seats/Beds/Other:

Water Supply:

(X) 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 (X) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other:

Please answer the following to the best of your ability:

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) 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: Betty L Stevenice
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

2/11/16
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, Alison Cassar, am the legal owner(s) of the property located at 334 Lakeview Shores Loop, identified as PIN (Parcel Identification Number) 4627-11-6965.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) 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.

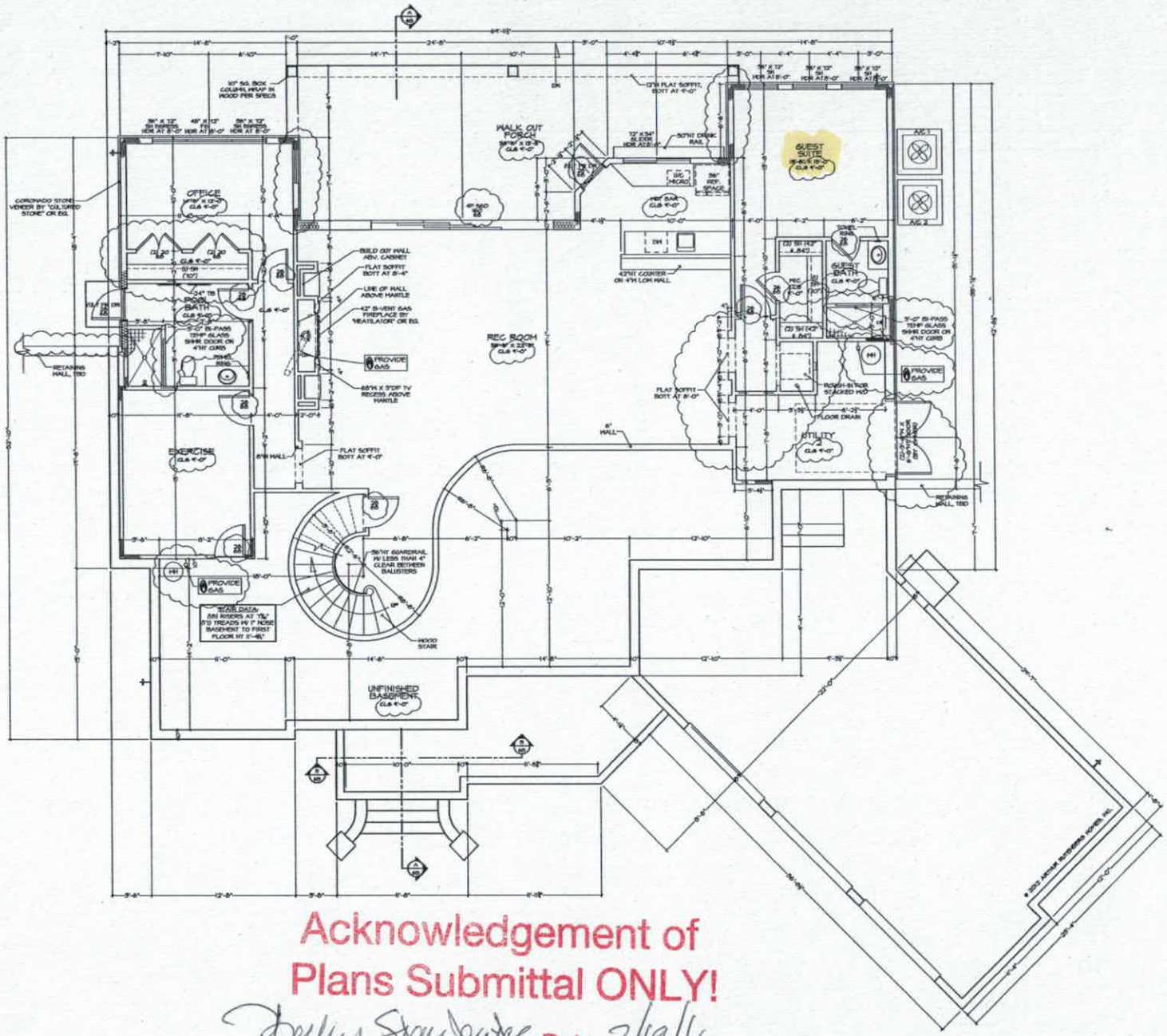
Signature of Owner(s) — Date 1/18/16

Signature of Witness — Date 1/18/16

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



Acknowledgement of Plans Submittal ONLY!

Kelly Standridge Date 2/19/16

Tom Lynch Date 2-19-16

GENERAL NOTES:

VERIFY ALL HDH & DR ROUGH OPNGS W/ MFR SPECS. SEE PLAN FOR HDH RDR INFO.

VERIFY DEPTH AND WIDTH OF SLAB RECESS AT ALL DOORS TO ACCOMMODATE PROPER ALIGNMENT WITH THRESHOLDS AND DOOR TRACKS WITH MFR. REQUIREMENTS IN RELATION TO FINISH FLOOR MATERIALS.

REC. CLG. SURFACES, BOTH HORIZONTAL AND VERTICAL, SHALL HAVE SMOOTH FIN.

SEE SHT 6 FOR SPECIFIC ELEV. DTLS.

SEE SHT 10 FOR OPTIONAL OUTDOOR LIVING PACKAGE + DETAILS.

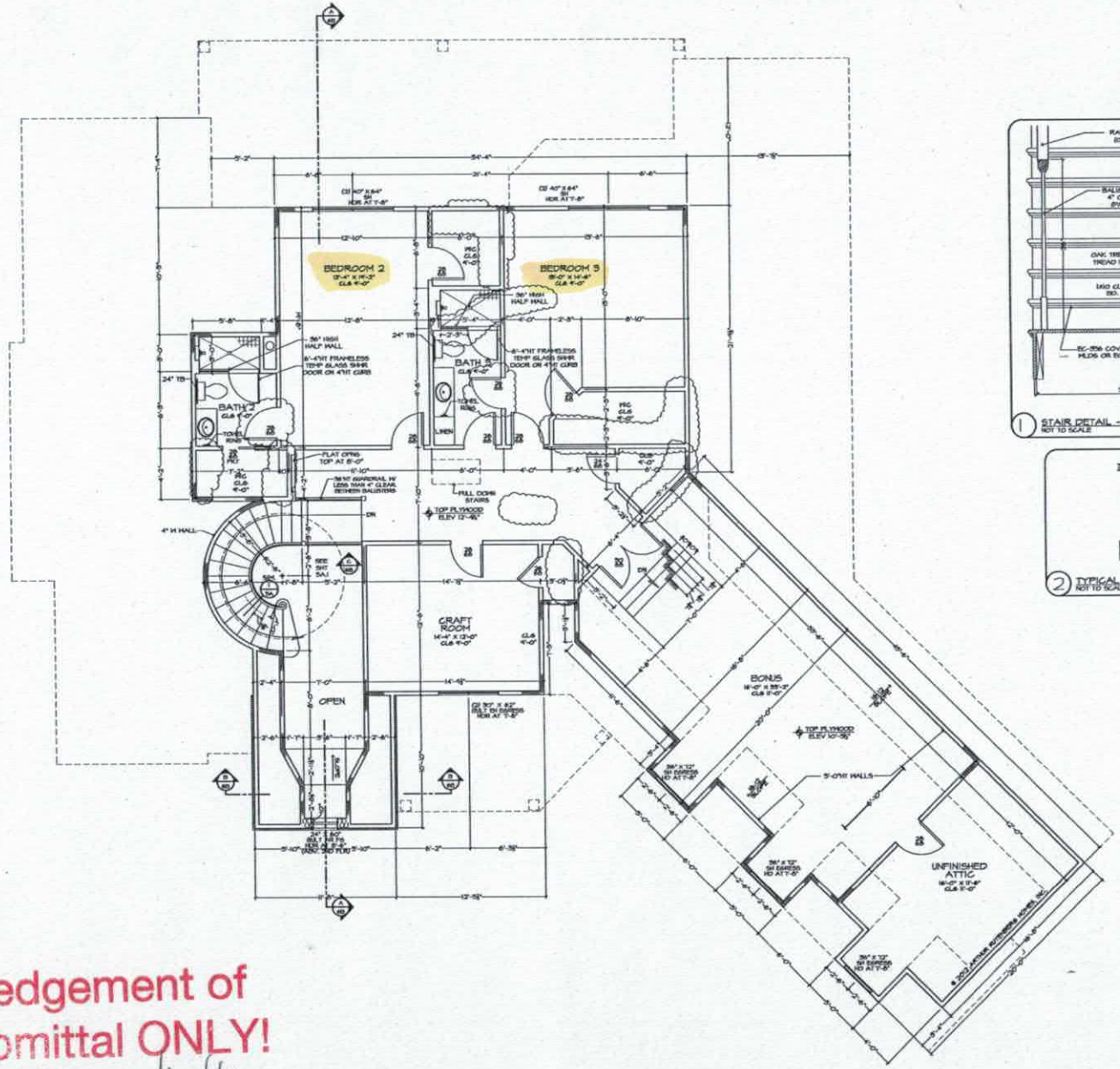
Arthur Rutenberg Homes

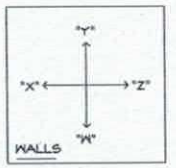
CUSTOM RESIDENCE FOR MR. & MRS. GOSSAR

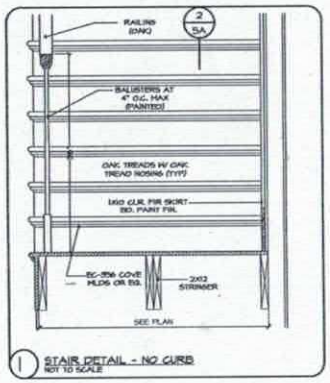
BUILDER: BLUEFIELD BUILDERS, LLC

BASEMENT PLAN

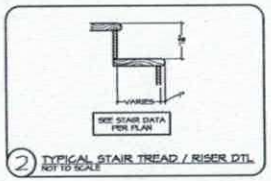
5







1 STAIR DETAIL - NO CURB
NOT TO SCALE



2 TYPICAL STAIR TREAD / RISER DTL
NOT TO SCALE

GENERAL NOTES:

VERIFY ALL HDR & DR ROUGH OPNGS W/ MFR SPECS. SEE PLAN FOR HDR HR'S.

REC CLG SURFACES, BOTH HORIZONTAL AND VERTICAL, SHALL HAVE SMOOTH FIN.

SEE SHT 6 FOR SPECIFIC ELEV DTLS.

Arthur Rutenberg Homes

CUSTOM RESIDENCE FOR MR. & MRS. GOSSAR
BUILDER: BLUEFIELD BUILDERS, LLC

2ND FLOOR PLAN

5b

Acknowledgement of Plans Submittal ONLY!

Betty Stemmonee Date 2/19/16

Tom Shuck Date 2-19-16

IREDELL COUNTY

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

APPLICATION NUMBER
216170
Issue Date: 01/21/2016

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4627116965.000	334 LAKEVIEW SHORES LOOP, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: COSSAR ALISON M+JEFFREY S COSS AR	Applicant: MICHAEL ATHANAS & ASSO
Address: 154 VINEYARD DR MOORESVILLE, NC 28117	Address: 561 ENNIS RD 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
.810	35.00	50.00	15.00	15.00	CACL	AE

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	58590	TOTAL FEES:	$ 77.25