IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 234187

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

PIN # 4625778037

APPLICANT/OWNER: Richard Groce APPLICANT ADDRESS: 117 Heathland Rd Mooresville NC 28117

SITE ADDRESS: 118 Brownstone Ln Mooresville NC PHONE: 704-576-3887 ALT. PHONE N/A

SITE DIRECTIONS: Brawley School Rd T/R Marstons Mill T/L Whitehourse T/L Ballston T/R Brownstone lot on left SAP CONTROLLED: ☐ YES ☐ NO

SUBDIVISION: The Point SECTION: 4 LOT # 447 LOT AREA: 60,497 sq ft DESIGN FLOW: 600 L.T.A.R.: Ex

Septic Tank 1500 (gal) STB IM 1530 infiltrator
Pump Tank 1500 (gal) PT IM 1530 Date infiltrator
Pump Make EXT Model EXT Serial # EXT
Nitrification Fields Ex # Lines Ex Linear Ft Ex
Trench Width Ex Trench Bottom Depth(Low side) Ex Gravel Depth N/A

☐ New System ☐ Repair ■ Expansion System Type: I II III IV V VI
System Description: LPPBPPS
Repair System Description: LPPBPPS
Maintenance Agreement Required: ■ YES ☐ NO
☐ GRAVITY ■ PRESSURE

■ Residence No. Bedrooms 5
☐ Business No. Persons 10
☐ Other No. Employees
☐ Slab ☐ Crawl Space
■ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ■ Community

Comments / Conditions: Per plan By Michael Athanas & Associates
Setting tank: 1500gal IM 1530 infiltrator

1500 gallon settling tank to be used.

INITIAL SITE SKETCH

See plan by:Michael Athanas & Associates

AS BUILT SKETCH

* Still needs pressure test 8/22/18
Pressure Set 9/6/18 cc

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**

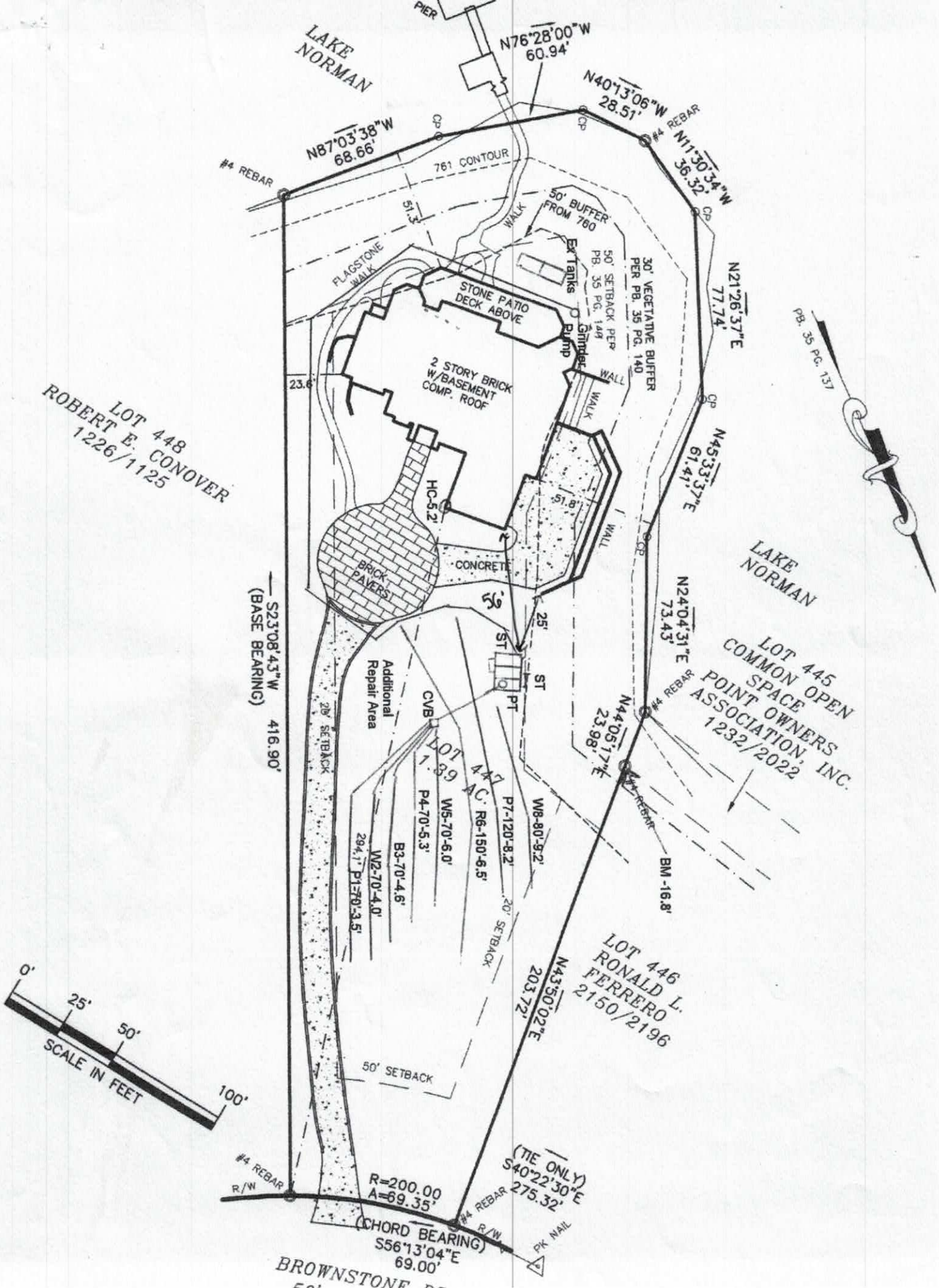
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ■ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Doris Nash Date: 4-2-18 Installed by: Specialty Septic

IMPROVEMENT PERMIT by: Date: 03/27/18 OPERATION PERMIT by: Carlie C Cave Date: 9/6/18

AUTHORIZATION TO CONSTRUCT by: Date: 4/2/18 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.


LAKE NORMAN
PIER
N76°28'00"W 60.94'
N40°13'06"W 28.51'
#4 REBAR
N11°30'34"W 36.32'
N87°03'38"W 68.66'
#4 REBAR
761 CONTOUR
51.3'
50' BUFFER FROM 760
WALK
FLAGSTONE WALK
Ex Tanks
50' SETBACK PER PB. 35 PG. 149
30' VEGETATIVE BUFFER PER PB. 35 PG. 140
STONE PATIO DECK ABOVE
Pump
Grinder
WALL
2 STORY BRICK W/BASEMENT COMP. ROOF
23.6'
WALK
N21°26'37"E 77.74'
PB. 35 PG. 137
LOT 448
ROBERT E. CONOVER
1226/1125
HC-5.2'
51.8'
WALL
CONCRETE
BRICK PAVERS
N45°33'37"E 61.41'
LAKE NORMAN
LOT 445
COMMON OPEN SPACE
POINT OWNERS ASSOCIATION, INC.
1232/2022
N24°04'31"E 73.43'
S23°08'43"W (BASE BEARING) 416.90'
25'
ST
ST
PT
#4 REBAR
N44°05'17"E 23.98'
Additional Repair Area
CVB
20' SETBACK
LOT 449
1.44 AC.
W5-70'-6.0'
P4-70'-5.3'
B3-70'-4.6'
W2-70'-4.0'
P1-70'-3.5'
294.1'
R6-150'-6.5'
P7-120'-8.2'
W8-80'-9.2'
20' SETBACK
#4 REBAR
BM -16.8'
LOT 446
RONALD L. FERRERO
2150/2196
N43°50'02"E 203.72'
0'
25'
50'
100'
SCALE IN FEET
50' SETBACK
#4 REBAR
R/W
R=200.00
A=69.35'
(CHORD BEARING)
S56°13'04"E
69.00'
(TIE ONLY)
S40°22'30"E
275.32'
#4 REBAR
R/W
PK NAIL
BROWNSTONE

RECEIVED MAR 2 6 2019



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

Reference: Data Sheet for 118 Brownstone Dr, The Point Lot 447

House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Community well
Number of Bedrooms/Daily Flow: 5/600 GPD
Predetermined LTAR: 0.3 GPD/FT2 (ICHD)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low pressure-CVB
Flow per Orifice: Existing
Orifice Size: Existing
System Flow: Existing
Dosing Volume: Existing
Pump Run Time: Existing
Elevation Head: 12.4'
Friction Head: TBD
Pressure Head: 2'
Total Dynamic Head: TBD
Supply Line Length: 30' of 2" PVC
Septic/Pump Tank Size: 1500/1500/1500 gallons
Proposed Trench Bottom: Existing

Line	Design Length	Actual Length	Elevation
Pink 1	**70'**	**70'**	**3.5' Existing**
White 2	**70'**	**70'**	**4.0' Existing**
Blue 3	**70'**	**70'**	**4.6' Existing**
Pink 4	**70'**	**70'**	**5.3' Existing**
White 5	**70'**	**70'**	**6.0' Existing**
Red 6		150'	6.5'
Pink 7		120'	8.2'
White 8		80'	9.2'

Initial System: 350' **Repair System:** 350'
Pump Tank: 10.9' **House Corner:** 5.2' **Benchmark:** 16.8'

Comments:

The purpose of this evaluation is to move the tanks to the opposite side of the house. The current tanks will be abandoned and a grinder pump installed to lift sewage to the tanks. A third tank will be installed as a settling tank. The tanks are marked in blue flags. Some components of the irrigation may need to be relocated.

The supply line from the grinder pump to the settling tank must conform to all standards and setback as required by the building code. The path of this supply line on the site plan does not necessarily reflect these requirements.



RECEIVED MAR 16 2018

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM Relocate Tanks - Pd. $350.00

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 # 234187

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 Grove **Address:** 117 Heathland Ln. Mooresville NC **Zip:** 28117

Applicant Email: richardgrove1180gmail.com **Phone:** _____ **Alt. Phone:** _____

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

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

Property Information:

Street Address: 118 Brownstone Dr.

Subdivision Name: The Point **Section/Phase:** 4 **Lot Number:** 447

Driving Directions: BSR, TR Marstons Mill, TL White Horse, TL Ballston, TR Brownstone, Lot on Lt

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

( ) New Single Family Residence Moving Tanks
( ) 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: _____ 3/16/2018
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Public Health
Present. Promote. Protect.
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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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 C & CYNTHIA A GROVE, ~~am~~ are the legal owner(s) of the property located at 118 BROWNSTONE DR. MOORESVILLE, NC 28117, identified as PIN (Parcel Identification Number) 4625778037.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**)
MICHAEL ATHANAS & ASSOC., 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 C & Cynthia A Grove 3/15/18
Signature of Owner(s) Date

Brian S Kerr 3/15/18
Signature of Witness 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

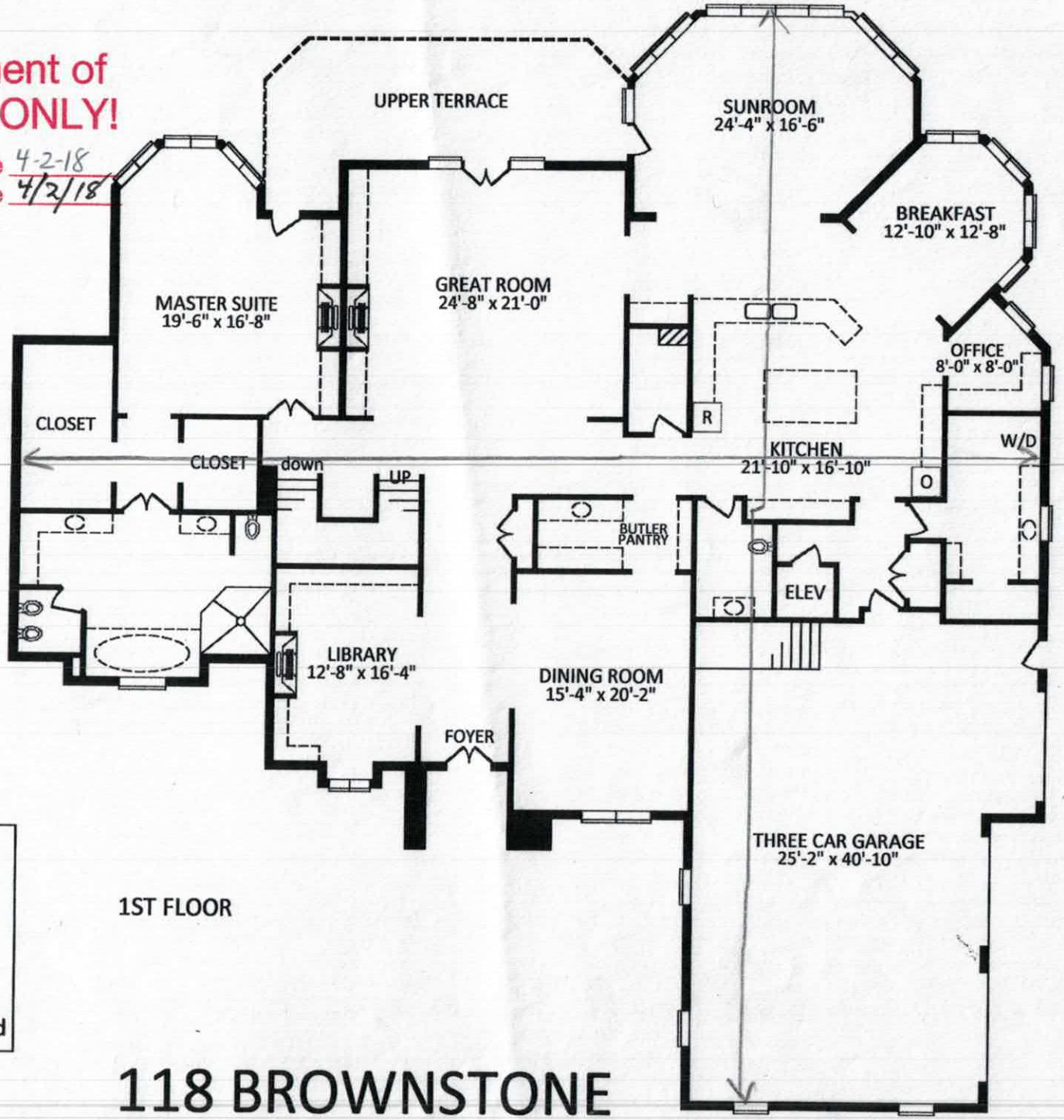
Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

Steel Tape Measuring

Acknowledgement of
Plans Submittal ONLY!

Date 4-2-18

Date 4/2/18



1ST FLOOR

HEATED LIVING SPACE

LOWER LEVEL - 2915
1st FLOOR - 4325
2nd FLOOR - 2355

TOTAL HEATED - 9595

garage - 1175 unheated
lower storage - 1021 unheated

118 BROWNSTONE

All measurements are rounded to nearest inch. This floorplan is intended for marketing brochures so window/ door placements

Steel Truss Manufacturing

Acknowledgement of Plans Submittal ONLY!

Doris Nash Date 4-2-18

Date 4/2/18

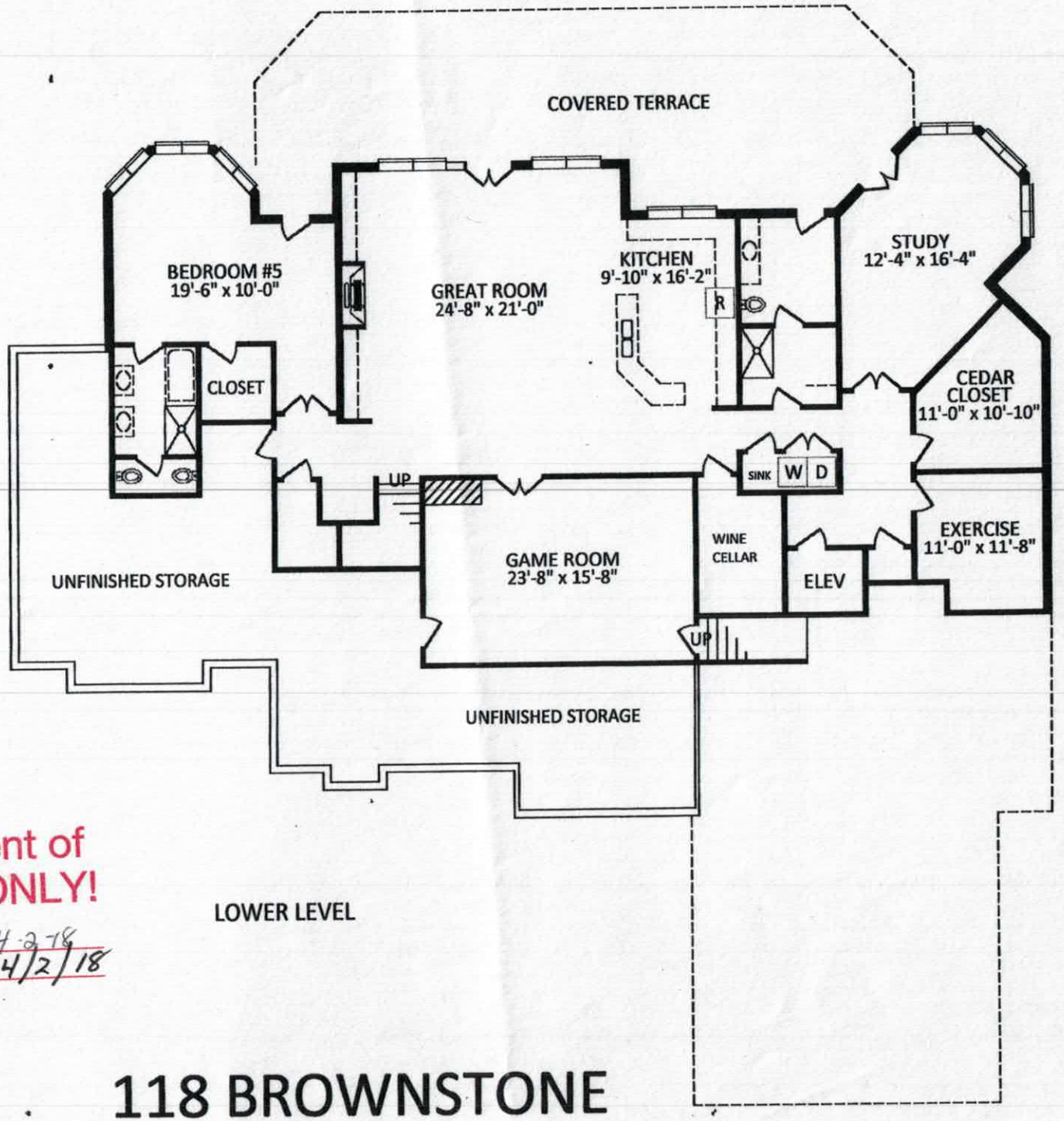


2ND FLOOR

118 BROWNSTONE

All measurements are rounded to nearest inch. This floorplan is intended for marketing brochures so window/ door placements,

Steel Framing & Measuring



Acknowledgement of
Plans Submittal ONLY!

Date 4-2-18

Date 4/2/18

LOWER LEVEL

118 BROWNSTONE

All measurements are rounded to nearest inch. This floorplan is intended for marketing brochures so window/ door placements, and room dimensions are for representation only.