ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP 327601

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

PIN # 4648-42-2391

APPLICANT/OWNER: TBR Custom Homes — APPLICANT ADDRESS: 135 Hunts Landing Dr Mooresville NC 28117

SITE ADDRESS: 134 Hunts Landing Mooresville NC 28117 — PHONE: 704-380-0838 — ALT PHONE: 704-664-8547

SITE DIRECTIONS: Hwy 5 to TR Bus to R to TL Brawley School Rd to TL Hunts Landing to Hunts

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Hunts Landing — SECTION: — LOT# 9 — LOT AREA: 1.46 — DESIGN FLOW: 480 gpd — L.T.A.R. .25

Septic Tank: 1250 (gal)	STB: 760	Date: 2-24-2023	☒ New System ☐ Repair ☐ Expansion — System Type: I II III IV V VI	☒ Residence	No. Bedrooms: 4	Water Supply: ☒ Private
Pump Tank: 1000 (gal)	PT: 363	Date: 3-12-2023	System Description: Pump to Hunts	☐ Business	No. Persons: 8	☐ Public
Pump Make:	Model:	Serial #:	Repair System Description: 15" Drop Downhill	☐ Other	No. Employees:	☐ Community
# Nitrification Fields: 1	# Lines: 3	Linear Ft: 324	Maintenance Agreement Required: ☒ YES ☐ NO	☐ Slab	☒ Crawl Space	
Trench Width: 36"	Trench Bottom Depth(Low side): 20" IN	Gravel Depth:	☐ GRAVITY ☒ PRESSURE	☐ Basement w/ plumbing	☐ Basement w/o plumbing	

Comments / Conditions:

324' installed

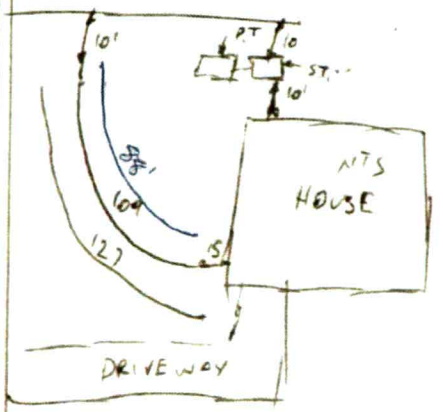
INITIAL SITE SKETCH

See attached Approved Septic Plan by Mitchell Allen & Assoc. (dated 4-1-22)

AS BUILT SKETCH

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 time.

- 4-27-2023 BCW
  TANKS ✓
  TOP 2 DRAINLINES ✓
- 5/2/23 BW
  lines, CVB
- 5-8-2023 BCW
  - FLOATS
  - ALARM
  - ELECTRICAL
  - PRESSURE HEAD



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:

Installed by: RICHARD ABERNATHY

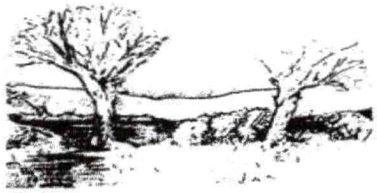
IMPROVEMENT PERMIT by: [signature] Date: 4/25/22

OPERATION PERMIT by: [signature] Date: 5/26/23

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 4/28/22

Existing System Inspected by: Date:

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



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
4/4/2022

Approved
4/25/22
MD

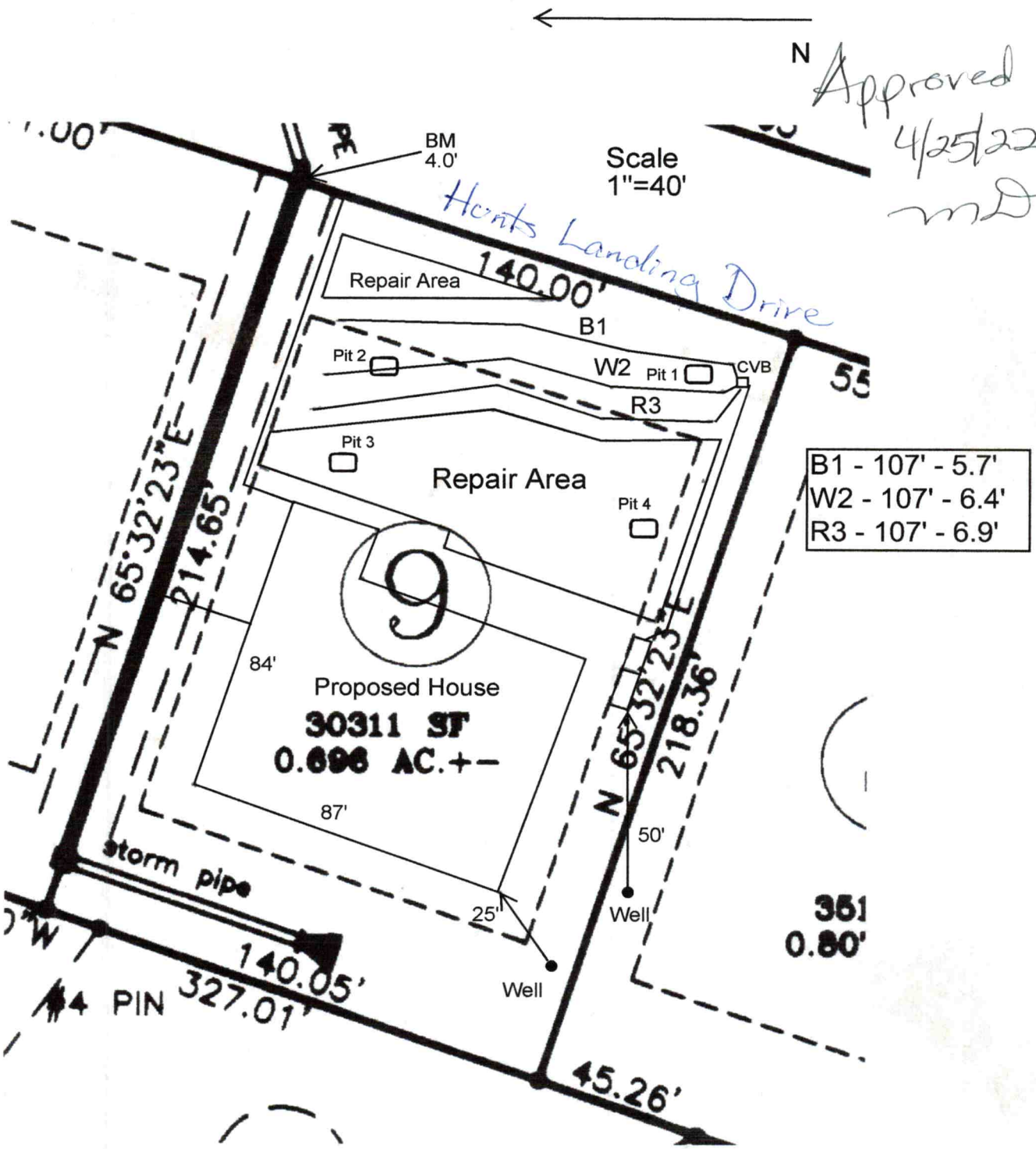
Reference: Data Sheet for 134 Hunts Landing Dr, Hunts Landing Lot 9
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.25 GPD/FT^2 (initial), 0.125 GPD/FT^2 (repair)
Proposed System Type: Horizontal PPBPS
Proposed Repair System Type: TSII Drip Dispersal
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 30.8 GPM
Dosing Volume: 270 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 10.5'
Friction Head: 1.4'
Pressure Head: 2'
Total Dynamic Head: 13.9'
Supply Line Length: 75' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 20" (Initial), 24" (Repair)



Line	Design Length	# of Panels	Actual Length	Elevation
Blue 1	**107'**	**25**	**107'**	**5.7'**
White 2	**107'**	**25**	**107'**	**6.4'**
Red 3	**107'**	**25**	**107'**	**6.9'**

Initial System: 320'
Repair System: 4100 FT^2
Pump Tank: 11.2'
House Corner: 11.7'
Benchmark: 4.0'

Comments:
1 ½" PVC should be used in the T&J Panels.


N
Approved
4/25/22
mD
Scale
1"=40'
BM
4.0'
Hants Landing Drive
140.00'
Repair Area
B1
Pit 2
W2
Pit 1
CVB
R3
Pit 3
Repair Area
Pit 4
B1 - 107' - 5.7'
W2 - 107' - 6.4'
R3 - 107' - 6.9'
9
84'
Proposed House
30311 SF
0.696 AC.+-
87'
N 65°32'23"E
214.65'
N 65°32'23"E
218.36'
50'
Well
25'
Well
storm pipe
140.05'
327.01'
45.26'
PIN

PROPERTY ID #: 4648422391
COUNTY: Iredell

Approved 4/25/22

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: JBR Custom Homes
ADDRESS: 147 Castle Dr, Mooresville, NC 28117
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 134 Hunt's Landing Dr, Hunt's Landing Lot 9

APPLICATION DATE
DATE EVALUATED: 4/2022
PROPERTY SIZE: 0.696 AC
PROPERTY RECORDED:

WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ 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	
1	LS 6%	0-31	R C ABK/SBK	FR SS SP SXP	N/A	55"	N/A	N/A	PS 0.3
		31-55	R CL WSBK	VFR SS SP SXP					
2	LS 6%	0-23	R SCL WSBK	FR SS SP SXP	Mn YB CHR 2 @ 35"	35"	N/A	N/A	PS 0.25
		23-35	R C ABK	FI-FR SS SP SXP					
3	LS 6%	0-22	BrR SCL WSBK	FR SS SP SXP	YB @ 38"	60"	N/A	N/A	PS 0.25
		22-38	R CL WSBK	FR SS SP SXP					
		38-60	R C ABK	FR SS SP SXP					
4	LS 6%	0-23	Br SCL WSBK	FR SS SP SXP	YB/Mn	60"	N/A	N/A	PS 0.25
		23-36	R CL WSBK	FR SS SP SXP					
		36-60	R C WSBK	FR SS SP SXP	YB' @ 42"				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	960 FT^2	4080 FT^2
System Type(s)	HORZ PPBPS	DRIP
Site LTAR	0.25	0.125

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

COMMENTS:

ICHD Environmental Health Division

BLDG-2022-11353 BCW

INSPECTIONS: 704-664-3703 Statesville Office: (704) 878-5305 x3456 Mooresville Office: (704) 660-3625

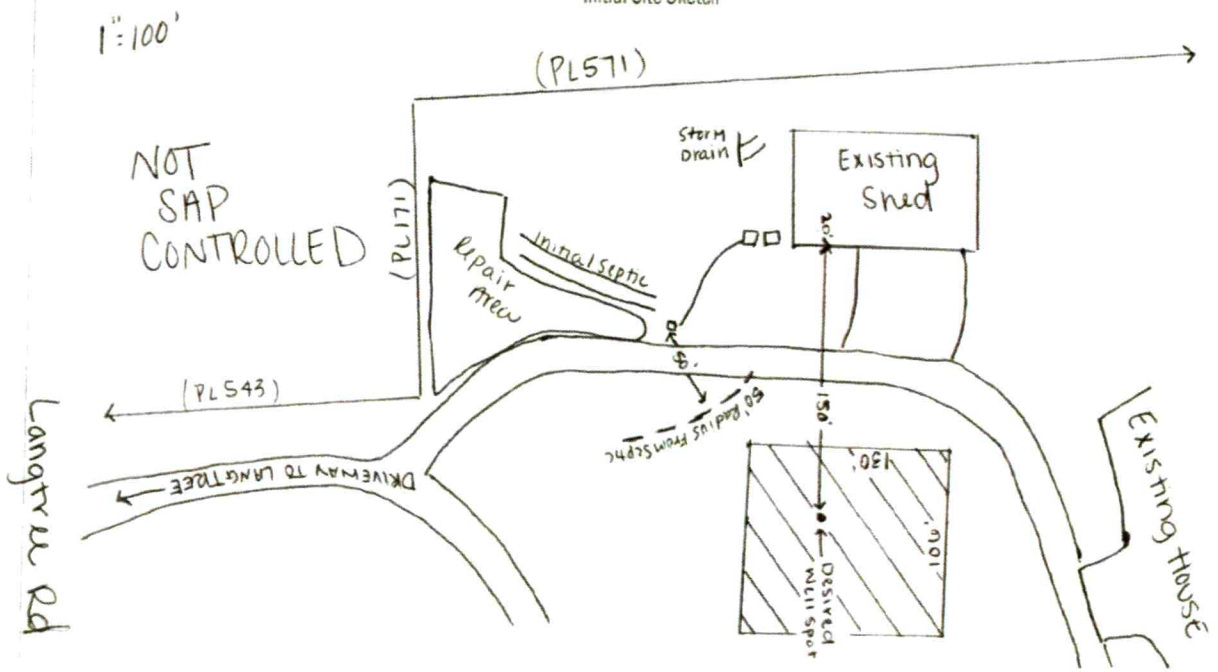
PRIVATE DRINKING WATER WELL PERMIT # OSWP 2023-00001 **PIN #** 4635-91-8590 **Type of Permit (circle one):** [New] Repair Abandonment

APPLICANT/OWNER NAME: Guy Smith ADDRESS: PO Box 4268 Mooresville 28117 PHONE: _____

DIRECTIONS TO SITE: Langtree Rd - R on 662 Langtree

SITE ADDRESS: 662 Langtree Rd Mooresville 28117 SUBDIVISION: Joseph Nemcheck & Andrea Nemcheck SECTION/LOT: TR1

Initial Site Sketch



CALL 704-664-3703 for Grout or Well Head Inspections Between 8-9am

GROUTING RESULTS

Total Depth STILL

Depth of Casing 60ft

Yield DRILLING

Notes: OVERREAMED AT INSPECTION GROUTED 20FT W/PDS

WELL DRILLED ON STAKE AT DESIRED SPOT

PERMIT CONDITIONS/ COMMENTS: Follow all NC well Rules. Drill in well area.

WELL PERMIT ISSUED BY: Sydney Holland DATE: 2/17/23 (Permit is valid for 5 years from date issued. This permit may be revoked if it is determined there has been a material change in any fact or circumstance upon which the permit is issued. Actions of the employees of the Iredell County Health Department shall in no way be taken as a guarantee that this well will produce water of any particular quantity or quality or for any amount of time. Employees of the Iredell County Health Department assume no liability for any damages, either direct or consequential which may be caused by this well.)

Well Contractor: AIR DRILLING CONTRACTOR CERT #: 2901-A GROUT INSPECTION BY: Burnett C. Walker DATE: 5-8-2023

OR CERTIFICATION OF GROUT NOT WITNESSED BY DEPT: _____ DATE: _____ WELL HEAD INSPECTION BY: _____ DATE: _____

WELL HEAD INSPECTION (check when completed): GROUT TO GROUND SURFACE ☐ WELL CONTRACTOR ID PLATE ☐ PUMP INSTALLER ID PLATE ☐ SAMPLE PORT ☐

ACCESS PORT / VENT ☐ WELL SEAL ☐ WELL HEAD 12 INCHES / PITLESS ADAPTOR 8 INCHES ABOVE GRADE ☐

CERTIFICATE OF COMPLETION BY: _____ DATE: _____ WATER SAMPLES BY: _____ DATE: _____

Attachments Form GW-1a (required except for abandonment) ☐ Form GW-30 ☐ Water Sample Results ☐ Plat ☐ CALL 704-664-3703 to schedule grout or well head inspections between 8-9am

RECEIVED APR 1 1 2022

MD

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Exp. Review - Paid $350.00

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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.

AP- 327601

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) Please contact Gary McNeely (704-310-1832) prior to evalution

Applicant Name: Same as owner Address: _____ Zip: _____

Applicant Email: _____ Phone: _____ Alt. Phone: _____

Owner Name: JBR Custom Homes Inc Address: 357 Hunts Landing Dr Mooresville Zip: 28117

Owner Email: JBRCustomHomes@gmail.com Phone: 704-380-0558 Alt. Phone: 704-661-5564

Property Information:

Street Address: 134 Hunts Landing Dr.

Subdivision Name: Hunts Landing Section/Phase: _____ Lot Number: 9

Driving Directions: Bluefield Rd to Big Indian Loop - Stay Straight 2nd Left is Hunts Landing Drive

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

CHECK FOUNDATION TYPE

(X) 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: _____
(X) Swimming Pool
( ) Other Addition/Structure: _____

X 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: _____

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 ( ) Conventional ( ) Innovative (X) 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: _____ 4/8/2022
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

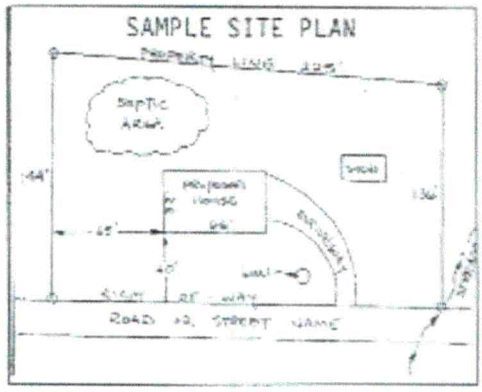
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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)

4/8/2022

DATE

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, Jeffrey Hunt + Pies, JBR Custom Homes Inc, am the legal owner(s) of the property located at 134 Hunts Landing Dr, Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4648422391, 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) 4/8/2022 Date

Signature of Witness 4/8/2022 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

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

*** Initial all lines below to indicate you have submitted each form and completed every site requirement ***

✓ **Complete all Environmental Health forms**:
- ✓ Application
- ✓ Site Plan with dimensions of proposed structure, addition, pool etc.
- ✓ Documentation to Authorize Owner Agent (if the property owner is not the applicant)
- ✓ Copy of Zoning Permit when applicable
- ✓ Sign this sheet after you have completed all items

✓ **Lot must be cleared of heavy undergrowth.** In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with **50 feet of visibility** in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

✓ **Clearly mark all property corners by locating existing iron or concrete markers**. Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only).
'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged.**

✓ **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted.** The proposed structure, etc. **must be staked** out on the property as per the site plan.

✓ If an **Authorization to Construct (AC) is desired**, submit a recorded copy of the plat for newly created or subdivided lot(s) and a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application.
Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are non-refundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.
- **All utilities shall be marked before pits are dug. Call NC 811 for this service.**
- **The applicant/agent is responsible for securing these services**
- **Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.**
- **The EH specialist will contact you when your application is ready to be processed for pit scheduling.**
- **Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.**

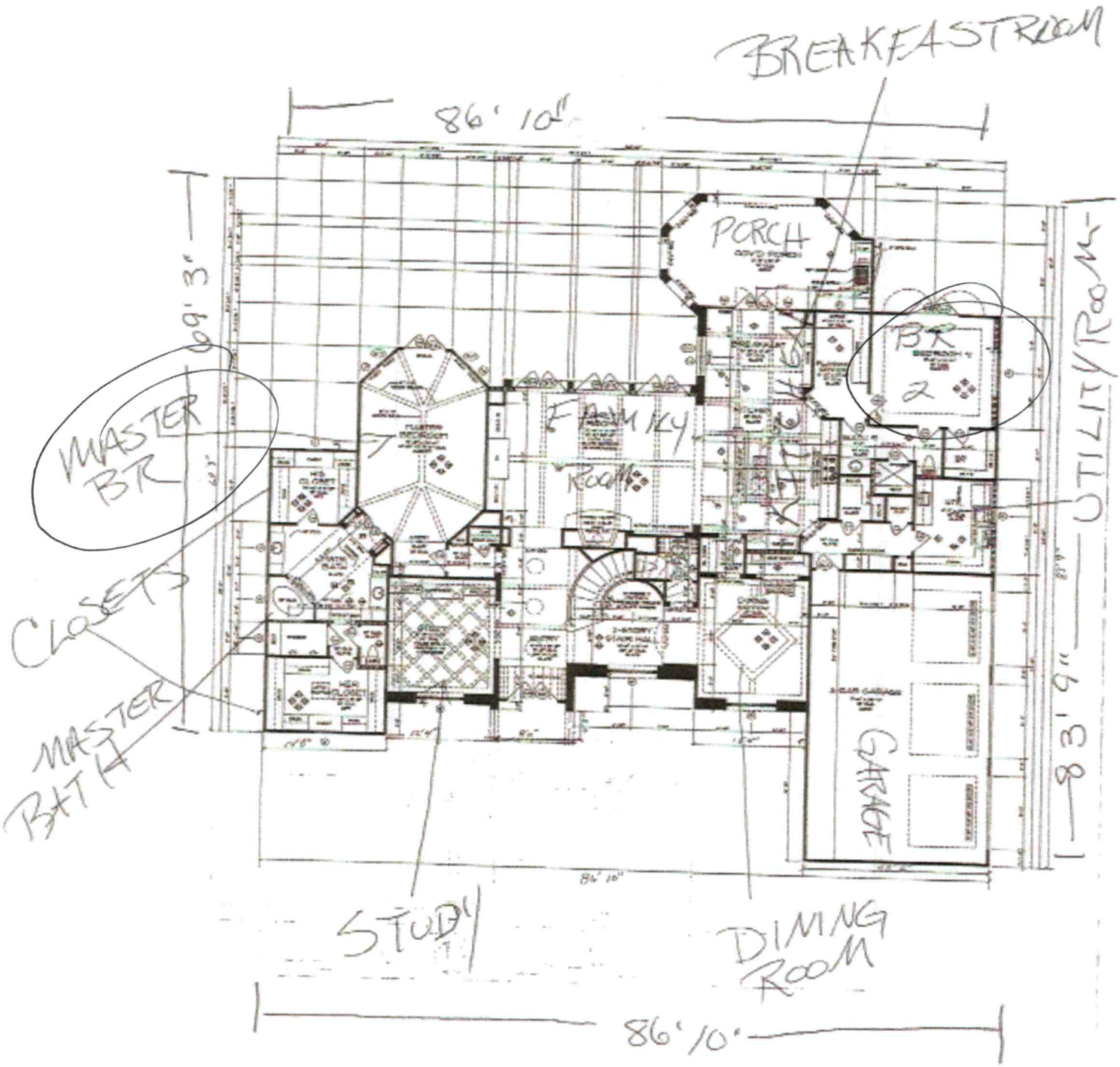
By signing below I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature _____ **Date** 4/8/2022

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625



Acknowledgement of
Plans Submittal ONLY!

Date 4/28/22

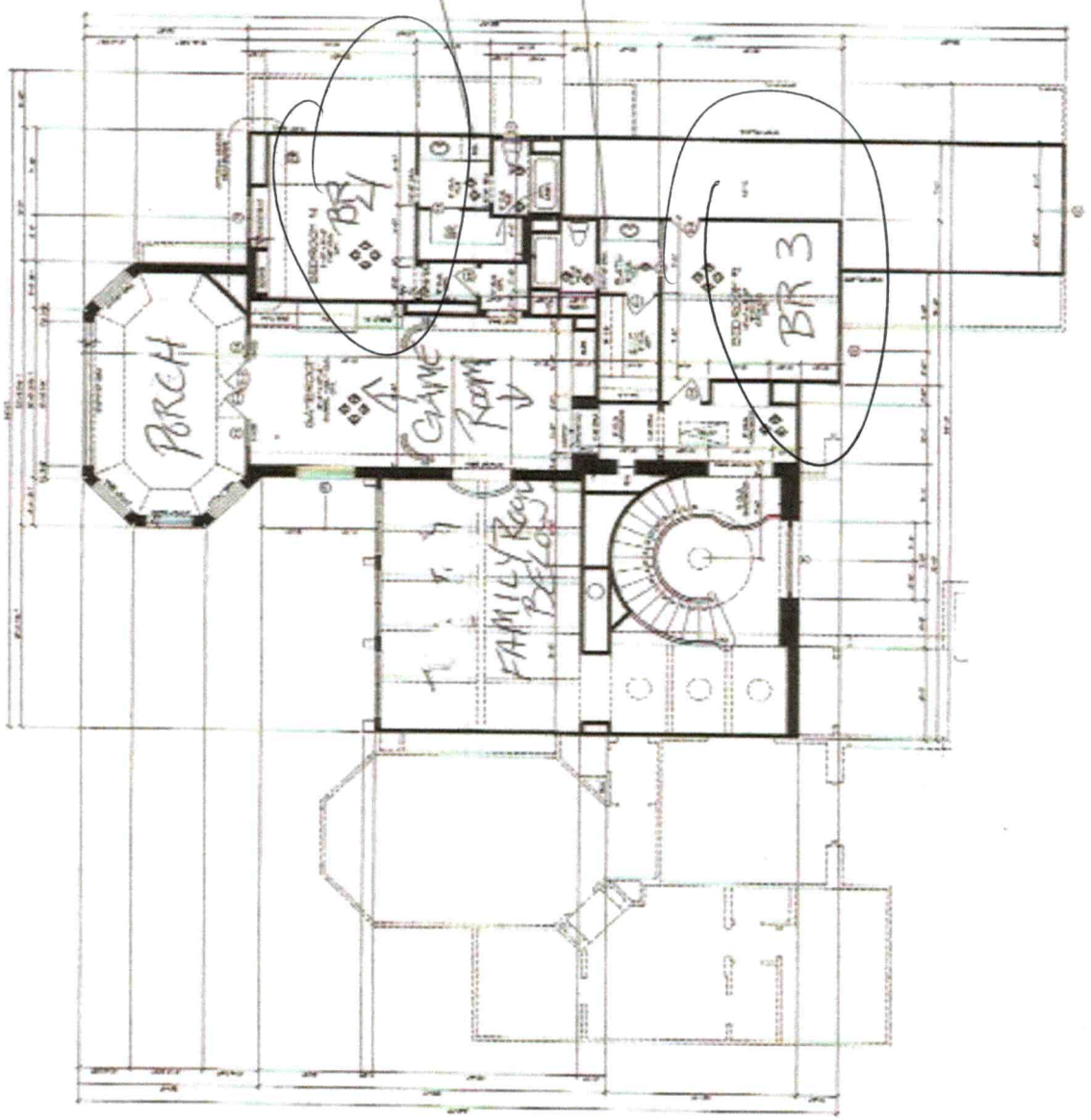
Date 4/29/22

ASHWOOD MANOR

DESIGNS

BATH

BATH



2ND. FLOOR PLAN

Acknowledgement of
Plans Submittal ONLY!

Maira Delson Date 4/28/22

Date 4/29/22