ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 · PERMIT # AP 322564 BLDK-2022-9430 LW

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

PIN # 4645--29--3497

APPLICANT/OWNER: John McClelland APPLICANT ADDRESS: 113 Beach Lane, Mooresville NC 28117

SITE ADDRESS: 201 Keats Rd, Mooresville NC 28117 PHONE: 704 881-2709 ALT. PHONE 704-310-1832

SITE DIRECTIONS: (S) Williamson → (R) Alcove → (R) Templeton → (R) Henry → (R) Keats → lot on (L) SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Henry Moore Kelly SECTION: LOT # 1 & 2 LOT AREA: 1.01 ac DESIGN FLOW: 480 gpd L.T.A.R.: 0.275 (1 & R)

Septic Tank	1000 (gal)	STB	760	Date	9-23-2023	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank	1000 (gal)	PT	363	Date	10-20-2023	System Description: PPBPS - PM (Vertical)				☐ Business	No. Persons 8
Pump Make	GOULDS	Model	WE05111HU	Serial #		Repair System Description: PPBPS - PM				☐ Other	No. Employees
# Nitrification Fields	1	# Lines	5	Linear Ft	291'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space
Trench Width	24" min	Trench Bottom Depth(Low side)	36"	Gravel Depth	N/A		☐ GRAVITY	☒ PRESSURE		☒ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Well MUST be 25' from new house. Install on Contour - use pressure manifold distribution. Do not pave, grade, drive, park, or bury utilities in drainfield!

FLOOR PLAN IS FOR CRAWL SPACE FOUNDATION
HOUSE AND POOL MUST BE 25FT FROM WELL

INITIAL SITE SKETCH

See attached Site plan & design by Michael Athanas & Associates. dated 10/29/21

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.

12-5-2023 BLW
- TANKS
- SUPPLY - TO MANIFOLD
- FLOATS
- ALARM
- PM } SH 12/6/23
- LINES }
- PH

Electrical 1/26/24 MW

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: Debbi McClelland Date: 11/05/21 Installed by: LENTZ WASTEWATER

IMPROVEMENT PERMIT by: D. Wieberg Date: 10/29/21 OPERATION PERMIT by: Mark Wi Date: 1/26/24

AUTHORIZATION TO CONSTRUCT by: Bryant C. Weber Date: 12-28-2022 Existing System Inspected by: Date:

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

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

CW BLDR-2022-9430

PERMIT # AP 322564

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

PIN # 4645--29--3497

APPLICANT/OWNER: John McClelland | APPLICANT ADDRESS: 113 Beach Lane, Mooresville NC 28117

SITE ADDRESS: 201 Keats Rd, Mooresville NC 28117 | PHONE: 704 881-2709 | ALT. PHONE 704-310-1832

SITE DIRECTIONS: (S) Williamson → (R) Alcove → (R) Templeton → (R) Henry → (R) Keats → lot on (L) | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Henry Moore Kelly | SECTION: | LOT # 1 & 2 | LOT AREA: 1.01 ac | DESIGN FLOW: 480 gpd | L.T.A.R.: 0.275 (1 & R)

Septic Tank	1000 (gal)	STB 760	Date 9-23-2023	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	1000 (gal)	PT 363	Date 10-20-2023	System Description: PPBPS - PM (Vertical)		☐ Business	No. Persons 8	☒ Private
Pump Make	GOULDS	Model WE0511HHU	Serial #	Repair System Description: PPBPS - PM		☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines 5	Linear Ft 291'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☐ Crawl Space	☐ Community
Trench Width	24" min	Trench Bottom Depth(Low side)	36"	Gravel Depth N/A	☐ GRAVITY ☒ PRESSURE	☒ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: Well MUST be 25' from new house.
Install on Contour - use pressure manifold distribution.
Do not pave, grade, drive, park, or bury utilities in drainfield

FLOOR PLAN IS FOR CRAWL SPACE FOUNDATION
HOUSE AND POOL MUST BE 25FT FROM WELL

INITIAL SITE SKETCH

See attached Site plan & design by Michael Athanas & Associates. dated 10/29/21

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.

12-5-2023 BLW
- TANKS
- SUPPLY - TO MANIFOLD
- FLOATS
- ALARM

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: Delli McClelland | Date: 10/05/21 | Installed by: LENTZ WASTEWATER

IMPROVEMENT PERMIT by: D. Wiebe | Date: 10/29/21 | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: Bryant C. Wilson | Date: 12-28-2022 | Existing System Inspected by: | Date:

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

201 Keats Rd
Moorsville, NC 28117



Keep Pressure manifold & all parts of system a min. of 15' from center of power line.

approved
10/29/21
DW

PROPERTY ID #: 4645293497
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: John McClelland
ADDRESS:
APPLICATION DATE
DATE EVALUATED: 10/2021
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 1.01 AC
LOCATION OF SITE: 201 Keats Rd, Henry Moore Kelly Lot 1 & 2 PROPERTY RECORDED: 12/20/1968
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) .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
1	LS 4%	0-4	BR CL WSBK	FR SS SP SXP	N/A	53"	F-C SAP	N/A	PS 0.3
		4-30 27	R C SBK	FR SS SP SXP					
		27 30-53	R CL WSBK	FR SS SP SXP					
					mica Common				
2	LS 4%	0-12	Br CL WSBK	FR SS SP SXP	Mn TO 52"	58"	N/A	N/A	PS 0.275
		12-52 49	R C SBK	FR SS SP SXP					
		52-58	R CL WSBK	FR SS SP SXP					
					more granular, many small coarse fragments				
3	LS 8%	0-6	Br CL WSBK	FR SS SP SXP	N/A	56"	N/A	N/A	~~PS 0.3~~ 0.275
		6-48	R C SBK	FR SS SP SXP					
		48-56	R CL WSBK	FR SS SP SXP					
					YB (few) some larger peds 48"				
4	LS 4%	0-4	Br CL WSBK	FR SS SP SXP	N/A	56"		N/A	PS 0.3
		4-30 28	R C SBK	FR SS SP SXP	mica throughout, sap incl 4-28		SAP Inc @ 52"		
		30-56 49	R CL WSBK	FR SS SP SXP					
		48 56	CL WSBK	SSNP-FR-SEXP	sap incl. 48" +	common			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	582 FT^2	570 FT^2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.275	~~0.3~~ 275

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

COMMENTS:

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
10/22/2021

Reference: Data Sheet for 201 Keats Rd, Henry Moore Kelly Subdivision Lots 1 & 2
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.275 GPD/FT^2 (initial), 0.3 GPD/FT^2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 1 @ 5.48 GPM, 4 @ 7.11 GPM
Tap Size and Material: 1 @ ½" SCH 80, 4 @ ½" SCH 40
System Flow: 33.92 GPM
Dosing Volume: 244.8 gallons
Pump Run Time: 7.2 minutes
Elevation Head: 16.2'
Friction Head: 3.7'
Pressure Head: 2'
Total Dynamic Head: 21.9'
Supply Line Length: 150' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"



Line	Design Length	# of Panels	Actual Length	Elevation
Blue 1	**51'**	**12**	**52'**	**3.2'**
Yellow 2	**60'**	**14**	**67'**	**3.5'**
White 3	**60'**	**14**	**67'**	**4.2'**
Blue 4	**60'**	**14**	**67'**	**5.1'**
Yellow 5	**60'**	**14**	**67'**	**5.9'**
White 6			55'	7.0'
Blue 7			50'	8.0'
Yellow 8			90'	4.2'
Pink 9			90'	4.5'

Initial System: 291'
Pump Tank: 14.4'
Benchmark: 0.9'

Repair System: 285'
House Corner: 6.4'

Comments:
The supply line must be installed 30" below the driveway. The house must be 25' from the existing well or an application for a well variance must be submitted to encroach on this setback.



WINDOW SCHEDULE

MK.	WINDOW SIZE (NOMINAL W x H)	WINDOW TYPE	QUANTITY	NOTES
A	4'-0" x 5'-6"	FIXED	2	
B	2'-6" x 5'-0"	FIXED	3	
C	2- 3'-0" x 5'-0"	FIXED	1	
D	2'-6" x 4'-6"	FIXED	2	
E	2'-6" x 6'-0"	FIXED	4	
F	2- 2'-6" x 4'-6"	FIXED	1	
G	3- 4'-6" x 6'-0"	FIXED	1	
H	2- 4'-6" x 6'-0"	FIXED	1	
I	2'-6" x 5'-0"	CASEMENT	2	
J	2'-6" x 5'-0"	FIXED	1	
K	3'-6" x 5'-0"	FIXED	1	
L	2'-6" x 3'-0"	FIXED	2	
M	4- 2'-8" x 5'-0"	FIXED	1	
N	2'-0" x 5'-6"	FIXED	2	
O	3'-6" x 4'-0"	FIXED	1	
P	3- 2'-8" x 5'-6"	FIXED/CASEMENT/FIXED	1	
Q	3- 3'-0" x 5'-6"	DOUBLE HUNG	2	
R	2'-6" x 2'-6"	ROUND	1	
S	NOT USED			
T	NOT USED			

DOOR SCHEDULE

MK.	DOOR SIZE (NOMINAL W x H)	DOOR TYPE	QUANTITY	NOTES
1	6'-0" x 8'-0"	BI-HINGE 3/4 LITE ENTRY	1	
2	15'-0" x 8'-0"	SLIDER	1	
3	3'-0" x 8'-0"	FRENCH GLASS	1	
4	6'-0" x 8'-0"	FRENCH GLASS BI-HINGE	1	
5	3'-0" x 8'-0"	SOLID CORE	7	
6	2'-8" x 8'-0"	SOLID CORE	9	
7	2'-6" x 8'-0"	SOLID CORE	8	
8	6'-0" x 8'-0"	BI-HINGE ENTRY	1	
9	5'-0" x 8'-0"	BI-HINGE SOLID CORE	1	
10	14'-0" x 8'-0"	CASED OPENING	1	
11	15'-0" x 8'-0"	CASED OPENING	1	
12	16'-0" x 8'-0"	CASED OPENING	1	
13	3'-0" x 8'-0"	CASED OPENING	1	
14	2'-8" x 8'-0"	CASED OPENING	4	
15	NOT USED			

GENERAL NOTES

1. REFER TO NORTH CAROLINA STATE BUILDING CODE FOR FRAMING DESIGN CRITERIA
2. TEMPERED GLASS TO BE USED IN ALL SAFETY REQUIRED LOCATIONS ACCORDING TO STATE REQUIREMENTS
3. GARAGE WALLS & CEILINGS ADJACENT TO HEATED SPACE ARE TO BE 5/8" GYPSUM WALL BOARD
4. ALL HABITABLE ROOMS SHALL MEET LIGHT, VENTILATING AND EGRESS STATE REQUIREMENTS
5. DIMENSIONS ARE FROM FACE OF EXTERIOR FRAMING TO FACE OF INTERIOR FRAMING

FIRST FLOOR CONDITIONED	2,696	S.F.
SECOND FLOOR CONDITIONED	1,960	S.F.
TOTAL CONDITIONED	4,656	S.F.
FRONT PORCH	153	S.F.
LAKE PORCH	332	S.F.
LOGGIA	599	S.F.
GUEST PORCH	23	S.F.
THREE CAR GARAGE	1,005	S.F.
TOTAL UNDER ROOF	6,768	S.F.

Acknowledgement Of Plans Submitted ONLY!
Date 12-28-2022

FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"



WINDOW SCHEDULE

MK.	WINDOW SIZE (NOMINAL W x H)	WINDOW TYPE	QUANTITY	NOTES
A	4'-0" x 5'-6"	FIXED	2	
B	2'-6" x 5'-0"	FIXED	3	
C	2- 3'-0" x 5'-0"	FIXED	1	
D	2'-6" x 4'-6"	FIXED	2	
E	2'-6" x 6'-0"	FIXED	4	
F	2- 2'-6" x 4'-6"	FIXED	1	
G	3- 4'-6" x 6'-0"	FIXED	1	
H	2- 4'-6" x 6'-0"	FIXED	1	
I	2'-6" x 5'-0"	CASEMENT	2	
J	2'-6" x 5'-0"	FIXED	1	
K	3'-6" x 5'-0"	FIXED	1	
L	2'-6" x 3'-0"	FIXED	2	
M	4- 2'-8" x 5'-0"	FIXED	1	
N	2'-0" x 5'-6"	FIXED	2	
O	3'-6" x 4'-0"	FIXED	1	
P	3- 2'-8" x 5'-6"	FIXED/CASEMENT/FIXED	1	
Q	3- 3'-0" x 5'-6"	DOUBLE HUNG	2	
R	2'-6" x 2'-6"	ROUND	1	
S	NOT USED			
T	NOT USED			

DOOR SCHEDULE

MK.	DOOR SIZE (NOMINAL W x H)	DOOR TYPE	QUANTITY	NOTES
1	6'-0" x 8'-0"	BI-HINGE 3/4 LITE ENTRY	1	
2	15'-0" x 8'-0"	SLIDER	1	
3	3'-0" x 8'-0"	FRENCH GLASS	1	
4	6'-0" x 8'-0"	FRENCH GLASS BI-HINGE	1	
5	3'-0" x 8'-0"	SOLID CORE	7	
6	2'-8" x 8'-0"	SOLID CORE	9	
7	2'-6" x 8'-0"	SOLID CORE	5	
8	6'-0" x 8'-0"	BI-HINGE ENTRY	1	
9	5'-0" x 8'-0"	BI-HINGE SOLID CORE	1	
10	14'-0" x 8'-0"	CASED OPENING	1	
11	15'-0" x 8'-0"	CASED OPENING	1	
12	16'-0" x 8'-0"	CASED OPENING	1	
13	3'-0" x 8'-0"	CASED OPENING	1	
14	2'-8" x 8'-0"	CASED OPENING	1	
15	NOT USED			

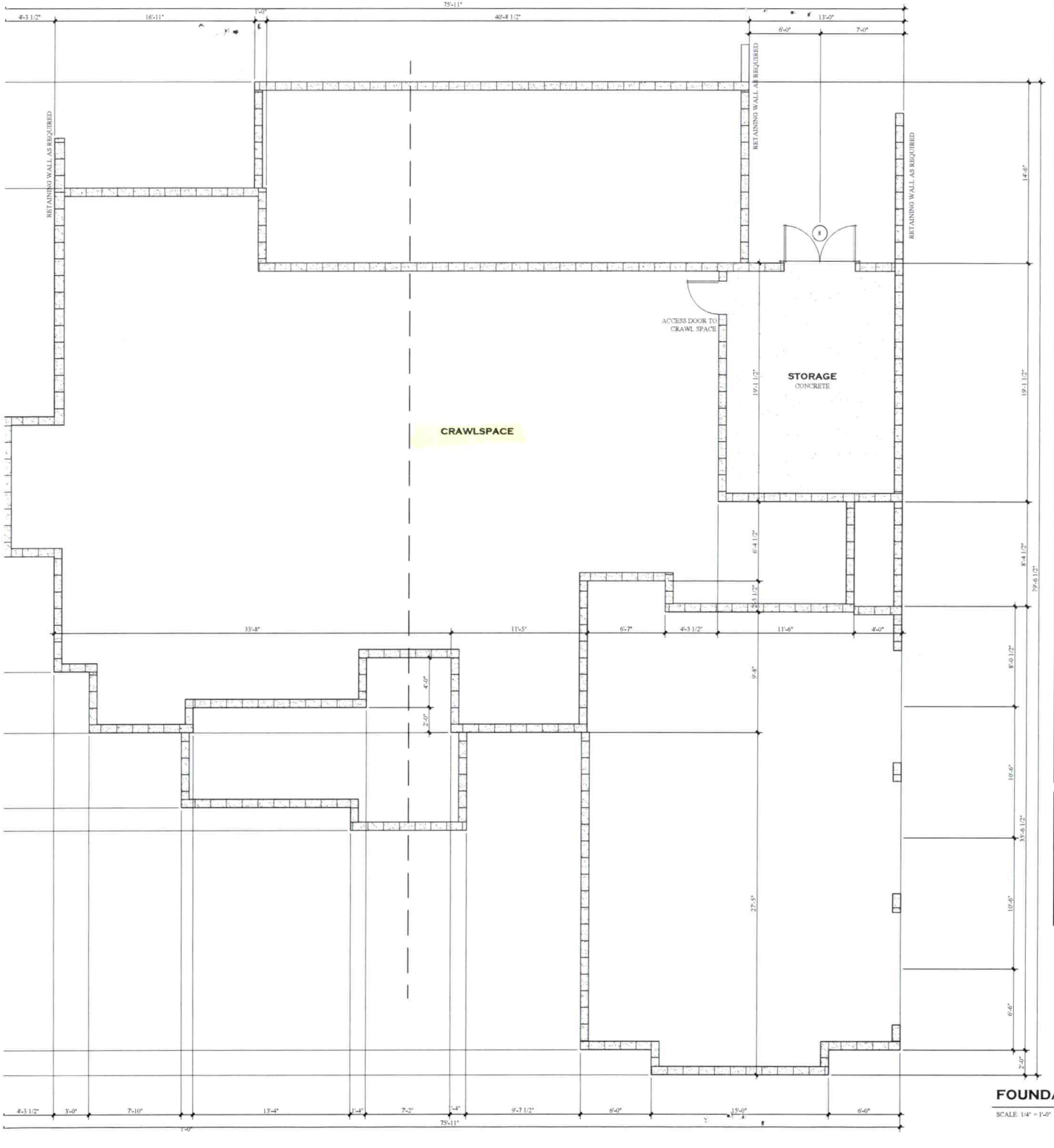
GENERAL NOTES

1. REFER TO NORTH CAROLINA STATE BUILDING CODE FOR FRAMING DESIGN CRITERIA
2. TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS ACCORDING TO STATE REQUIREMENTS
3. GARAGE WALLS & CEILINGS ADJACENT TO HEATED SPACE ARE TO BE 5/8" GYPSUM WALL BOARD
4. ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION AND EGRESS STATE REQUIREMENTS
5. DIMENSIONS ARE FROM FACE OF EXTERIOR FRAMING TO FACE OF INTERIOR FRAMING

Acknowledgement of Plans Submittal ONLY
Signature Date
12/28/22

SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

WINDOW SCHEDULE

MK.	WINDOW SIZE (NOMINAL W x H)	WINDOW TYPE	QUANTITY	NOTES
A	4'-0" x 5'-6"	FIXED	2	
B	2'-6" x 5'-0"	FIXED	3	
C	2- 3'-0" x 5'-0"	FIXED	1	
D	2'-6" x 4'-6"	FIXED	2	
E	2'-6" x 6'-0"	FIXED	4	
F	2- 2'-6" x 4'-6"	FIXED	1	
G	3- 4'-6" x 6'-0"	FIXED	1	
H	2- 4'-6" x 6'-0"	FIXED	1	
I	2'-6" x 5'-0"	CASEMENT	2	
J	2'-6" x 5'-0"	FIXED	1	
K	3'-6" x 5'-0"	FIXED	1	
L	2'-6" x 3'-0"	FIXED	2	
M	4- 2'-8" x 5'-0"	FIXED	1	
N	2'-0" x 5'-6"	FIXED	2	
O	3'-6" x 4'-0"	FIXED	1	
P	3- 2'-8" x 5'-6"	FIXED/CASEMENT/FIXED	1	
Q	3- 3'-0" x 5'-6"	DOUBLE HUNG	2	
R	2'-6" x 2'-6"	ROUND	1	
S	NOT USED			
T	NOT USED			

DOOR SCHEDULE

MK.	DOOR SIZE (NOMINAL W x H)	DOOR TYPE	QUANTITY	NOTES
1	6'-0" x 8'-0"	FRENCH 3/4 LITE ENTRY	1	
2	15'-0" x 8'-0"	SLIDER	1	
3	3'-0" x 8'-0"	FRENCH GLASS	1	
4	6'-0" x 8'-0"	FRENCH GLASS PIVOT	1	
5	3'-0" x 8'-0"	SOLID CORE	7	
6	2'-8" x 8'-0"	SOLID CORE	9	
7	2'-6" x 8'-0"	SOLID CORE	8	
8	6'-0" x 8'-0"	PIVOT HINGE ENTRY	1	
9	5'-0" x 8'-0"	BI-HINGE SOLID CORE	1	
10	14'-0" x 8'-0"	CASED OPENING	1	
11	15'-0" x 8'-0"	CASED OPENING	1	
12	16'-0" x 8'-0"	CASED OPENING	1	
13	3'-0" x 8'-0"	CASED OPENING	1	
14	2'-8" x 8'-0"	CASED OPENING	1	
15	NOT USED			

GENERAL NOTES

1. REFER TO NORTH CAROLINA STATE BUILDING CODE FOR FRAMING DESIGN CRITERIA
2. TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS ACCORDING TO STATE REQUIREMENTS
3. GARAGE WALLS & CEILINGS ADJACENT TO HEATED SPACE ARE TO BE 5/8" GYPSUM WALL BOARD
4. ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION AND EGRESS STATE REQUIREMENTS
5. DIMENSIONS ARE FROM FACE OF EXTERIOR FRAMING TO FACE OF INTERIOR FRAMING

Acknowledgement Of Plan Submittal ONLY
Date: 12-28-20

RECEIVED OCT 2 5 2021

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

AP-322564

Paid $350.00 Expedited Review

APPLICATION FORM

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.

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: John McClelland **Address:** 113 Beach Lane Mooresville, NC **Zip:** 28117

Applicant Email: john.mcclelland2@gmail.com **Phone:** 704-881-2709 **Alt. Phone:**

Owner Name: John McClelland **Address:** 113 Beach Lane Mooresville, NC **Zip:** 28117

Owner Email: john.mcclelland2@gmail.com **Phone:** 704-881-2709 **Alt. Phone:**

Property Information:

Street Address: 201 Keats Road Mooresville, NC 28117

Subdivision Name: Henry Moore Kelly **Section/Phase:** **Lot Number:** 1 & 2

Driving Directions: Alcove Road to Templeton Road. Right on Henry Lane. Right on Keats Lane. Property at End on Left

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:

( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(X) 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 (X) 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: _____ 10/22/21
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

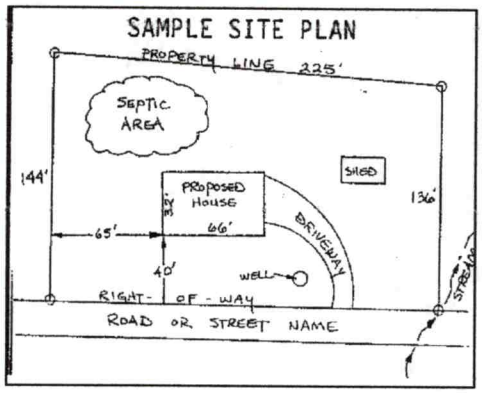
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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**

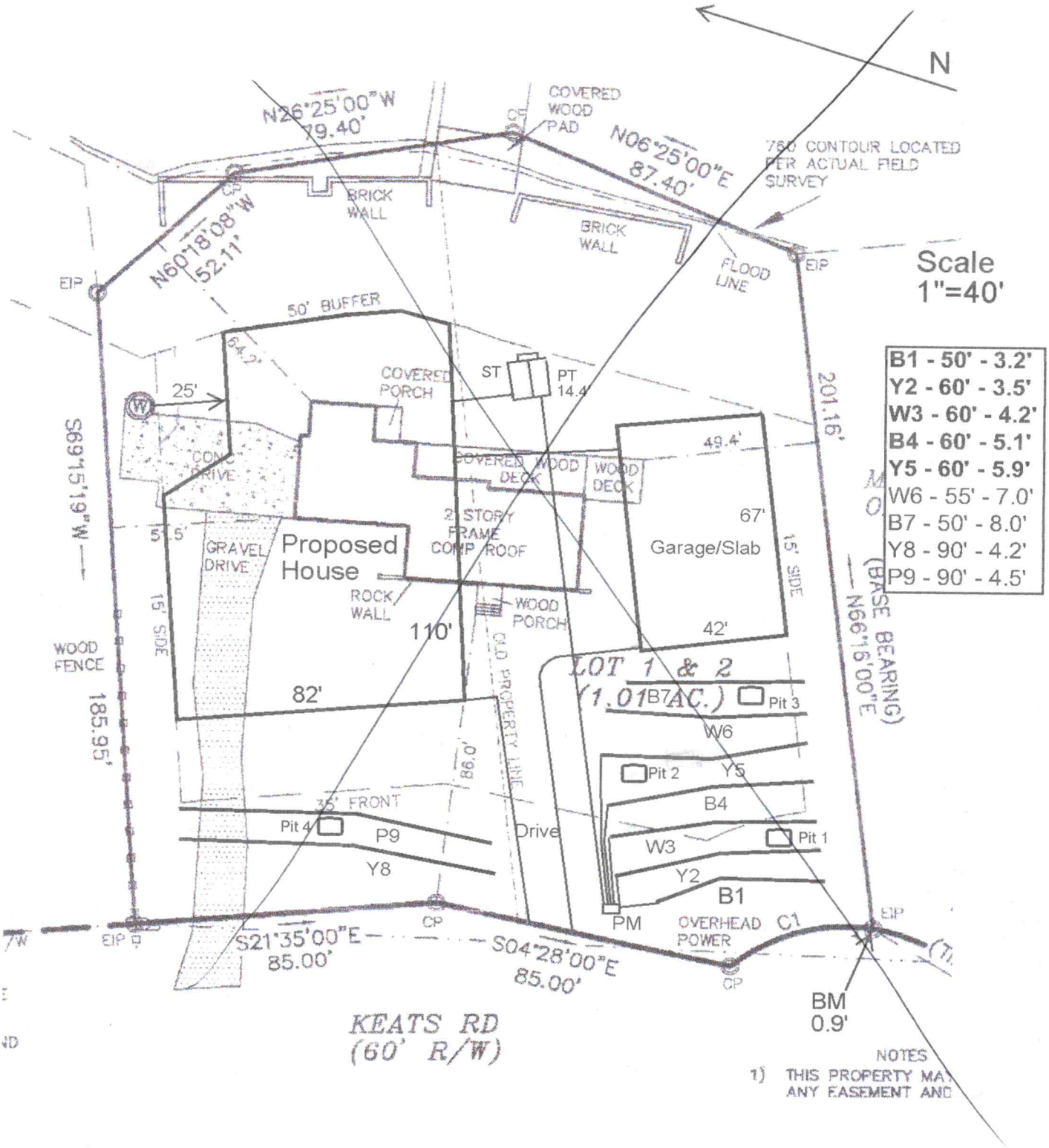
USE THIS SPACE TO DRAW YOUR SITE PLAN

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: _____ 10/22/2021

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


N
N26°25'00"W
79.40'
COVERED
WOOD
PAD
N06°25'00"E
87.40'
780 CONTOUR LOCATED
PER ACTUAL FIELD
SURVEY
BRICK
WALL
BRICK
WALL
N60°18'08"W
52.11'
EIP
EIP
FLOOD
LINE
Scale
1"=40'
50' BUFFER
B1 - 50' - 3.2'
Y2 - 60' - 3.5'
W3 - 60' - 4.2'
B4 - 60' - 5.1'
Y5 - 60' - 5.9'
W6 - 55' - 7.0'
B7 - 50' - 8.0'
Y8 - 90' - 4.2'
P9 - 90' - 4.5'
25'
COVERED
PORCH
ST
PT
14.4
201.16'
S69°15'19"W
49.4'
COVERED WOOD
DECK
WOOD
DECK
2 STORY
FRAME
COMP ROOF
67'
Garage/Slab
15' SIDE
GRAVEL
DRIVE
Proposed
House
ROCK
WALL
WOOD
PORCH
110'
42'
WOOD
FENCE
185.95'
82'
LOT 1 & 2
(1.01B7AC.)
Pit 3
W6
Pit 2
Y5
B4
86.0'
OLD PROPERTY LINE
35' FRONT
Pit 4
P9
Drive
W3
Pit 1
Y8
Y2
B1
PM
OVERHEAD
POWER
C1
EIP
CP
S21°35'00"E
85.00'
S04°28'00"E
85.00'
CP
BM
0.9'
KEATS RD
(60' R/W)
NOTES
1) THIS PROPERTY MA
ANY EASEMENT AND

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, John McClelland, am the legal owner(s) of the property located at 201 Keats Road Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4645293497, 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)	Date	Signature of Witness	Date
	10/22/21	Deborah McClelland	10/22/21

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** 10/22/2021

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