ICHD - ENVIRONMENTAL HEALTH DIVISION

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

AW OSWP-2022-6089 / BLDR-2022-4537

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

PERMIT # AP 322984

PIN # 4614--96--7964

APPLICANT/OWNER: Leonard K Bealer Trust | APPLICANT ADDRESS: PO Box 3398 Mooresville NC 28117

SITE ADDRESS: 160 Binns Rd, Mooresville NC 28117 | PHONE: 704-662-6400 | ALT. PHONE

SITE DIRECTIONS: (W) Brawley School Rd → (R) Tuskarora → (R) Binns → lot on (R)

SUBDIVISION: Leonard K. Bealer Family Trust | SECTION: N/A | LOT # 1 | LOT AREA: 1 ac

SAP CONTROLLED: ☐ YES ☒ NO

DESIGN FLOW: 600 gpd | L.T.A.R.: 0.25/0.25

Septic Tank	1500 (gal)	STB	Date				
Pump Tank	1500 (gal)	PT	Date				
Pump Make		Model	Serial #				
# Nitrification Fields	1	# Lines	5	Linear Ft	400'		
Trench Width	24" min	Trench Bottom Depth(Low side)	40"	Gravel Depth	N/A		

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

System Description: 50% Reduction - VPPBPS

Repair System Description: 50% Reduction - VPPBPS

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: Do not pave, grade, park, drive, or bury utilities in drain field. Use pressure distribution. Pool (water's edge) must be staked at time of drilling, as well as outdoor kitchen. Keep water lines 10' from system.

All lines: 18 panels each • Dose: 324 g Flow: 35.55 gpm
2" supply line • (5) 1/2 SCH 40 taps • Runtime = 9.1 min
2' pressure head • Drawdown = 12.5"

INITIAL SITE SKETCH

See attached site plan by Paul Penninger LSS & ICHD - approved 12/6/21

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.

- flex room on floor plans is considered 5th bedroom
- Garage angle changed slightly but tanks can still meet setbacks

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: Angel Hartman Date: 12/8/21

IMPROVEMENT PERMIT by: D. Wieberg Date: 12/6/21

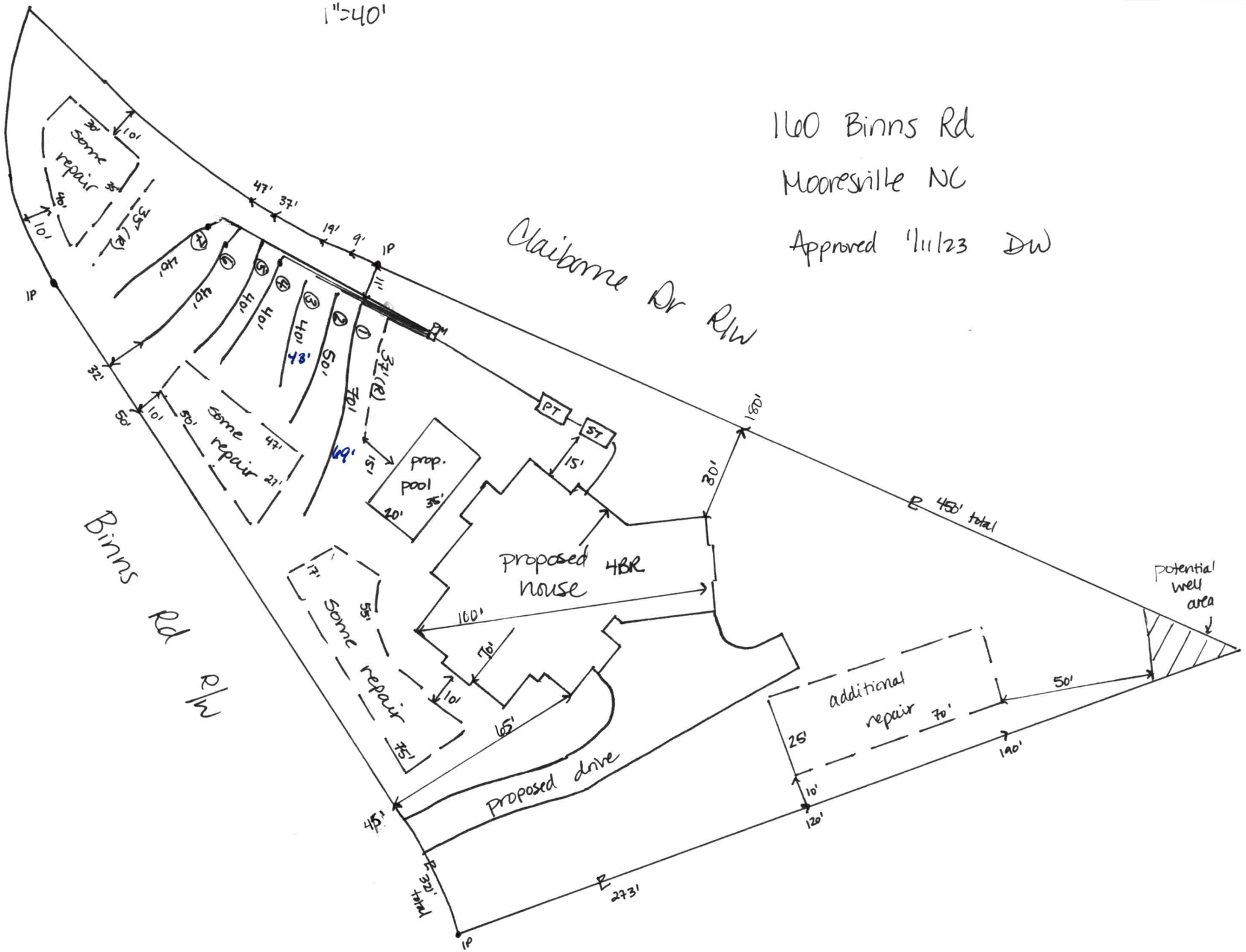
AUTHORIZATION TO CONSTRUCT by: D. Wieberg Date: 10/10/23

Installed by: Steve Jordan

OPERATION PERMIT by: Josh Williams Date: 10/16/2023

Existing System Inspected by: Date:

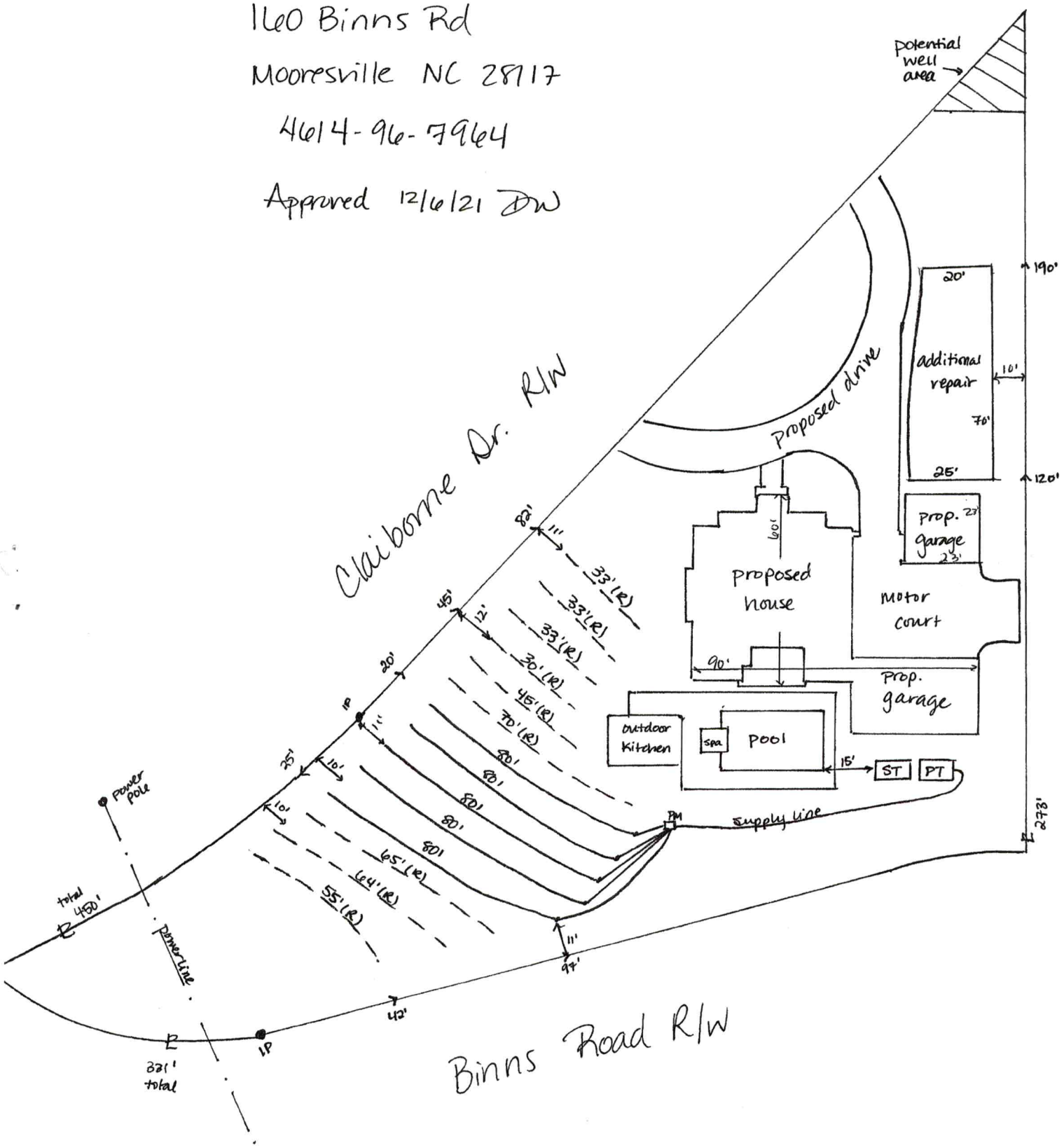
FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.


1"=40'
160 Binns Rd
Mooresville NC
Approved 1/11/23 DW
Claiborne Dr R/W
Binns Rd R/W
some repair
prop. pool
Proposed house 4BR
Proposed drive
additional repair
potential well area
PT
ST
IP
160'
450' total
273'
321' total
190'
120'
160'

1" = 40'

160 Binns Rd
Mooresville NC 28117
4614-96-7964

Approved 12/6/21 DW



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

Sheet 1 of 2
PROPERTY ID #: 4614969964
COUNTY: Iredell

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

OWNER: Leonard & Beasley Revoc Trust
APPLICATION DATE: 11/16/21
ADDRESS: PO Box 3398 Mooresville
DATE EVALUATED: 12/2/21
PROPOSED FACILITY: 5 BR
PROPOSED DESIGN FLOW (.1949): 1000 gpd
PROPERTY SIZE: 1
LOCATION OF SITE: 160 Binns Rd, Mooresville NC 28117
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 5-10	0-10	SCL - SBK	SSSP-FR SEXP	YB to 35"	64"	N/A	N/A	PS 0.25
		10-35	C - ABK/SBK	SSSP-FI/FR SEXP					
		35-64	CL - SBK	SSSP-FR-SEXP	Litho/sap incl 35"+				
2	LS 5-10	0-4	SCL - SBK	SSSP-FR-SEXP	10YR 7/4 few YB	66"	N/A	N/A	PS 0.25
		4-36	C - ABK/SBK	SSSP-FR/FI-SEXP					
		36-66	CL - SBK	SSSP-FR-SEXP	Sap incl 36"+				
3	LS 5-10	0-8	SCL - SBK	SSSP-FR-SERP	few YB	63"	N/A	N/A	PS 0.25
		8-53	C ABK SBK	SSSP-FI/FR-SERP					
		53-63	CL - SBK	SSSP-FR SERP	some sap incl 53"+				
4	LS 5-10	0-5	SCL - SBK	SSSP-FR-SERP	ABK & below	58"	N/A	N/A	PS 0.275
		5-30	C - ABK/SBK	SSSP-FI/FR-SERP	YB to 20", SBK				
		30-58	CL - SBK	SSSP-FR-SERP	Sap incl. 30"+				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400'	400+
System Type(s)	50% red	50% red
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: D. Wieberg
OTHER(S) PRESENT: P Penninger, S. Holland

COMMENTS:
(5) 10 YR 6/3 @ 20" 6/4
0-4 9-36 36-63 YB gone below 36"
ABK/SBK 10YR 6/4
0-6 SCL
6-28 C - ABK/SBK Some compaction upper level
28-62 CL lg sap incl, quartz vein - non continuous

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

PROPERTY ID #: 46149673647
DATE OF EVALUATION: 12/2/21
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 5-10%	0-9 9-36 36-63	SCL - SBK C - ABK-SBK CL - WSBK	SSSP-FR-SEXP ↓	10YR 6/3 @ 20" -YB 9-36" (10YR 6/4) YB gone below 36"	(63")	N/A	N/A	PS 0.25
6	LS 5-10%	0-6 6-28 28-62	SCL - SBK C - ABK/SBK CL - WSBK	SSSP-FR-SEXP ↓	N/A	(62")	N/A	N/A	PS 0.275 some compaction upper level lg sap incl, quartz vein / non-continuous

COMMENTS: _____

Acknowledgement Of
Plans Submittal ONLY!
Date

Date 12/10/21

Acknowledgement Of
Plans Submittal ONLY!
Date
Date 10/10/24

MISCELLANEOUS NOTES

1. EACH BEDROOM TO HAVE A MINIMUM WINDOW OPENING OF 5.7 SQ. FT. (5.0 - A MINIMUM WIDTH OF 20 IN. AND A SILL LESS THAN 44 ½ ABOVE T.O. FIN. FLOOR.
3. ALL DOORS WITHIN 24 IN. OF THE FLOOR AND WITHIN 24 IN. OF A PARALLEL TO THE STRIKE SIDE OF A DOOR ARE TO HAVE TEMPERED GLAZING.
5. SKYLIGHTS ARE TO BE GLAZED WITH TEMPERED GLASS ON OUTSIDE AND LAMINATED GLASS ON INSIDE UNLESS PLEXIGLAS GLASS TO HAVE MINIMUM CLEAR SPAN OF 20 IN. AND FRAME IS TO BE ATTACHED TO A 24 CURB 8" ABOVE ROOF PLANE.
4. ALL TUB AND SHOWER ENCLOSURES ARE TO BE GLAZED WITH SAFETY GLASS.
6. ALL ENTRY OR DOORS ARE TO BE DOUBLE GLAZED AND ALL ENTRY OR DOORS ARE TO BE SOLID CORE WITH WEATHER STRIPPING. PROVIDE ½ IN. DEAD BOLT LOCKS ON ALL EXTERIOR DOORS, AND LOCKING DEVICES ON ALL WINDOWS. EXTERIOR DOORS SHALL BE 8" VERTICALLY ABOVE GRADE. PROVIDE PEEPHOLE AT 54 TO 66" ABOVE FL. FLOOR ON EXTERIOR ENTRY DOORS.
8. CONNECT ALL SMOKE DETECTORS - SEE PLAN FOR LOCATION - TO HOUSE ELECTRICAL SYSTEM AND INTERCONNECT EACH ONE SO THAT WHEN ANY ONE IS ACTIVATED THEY ALL SOUND.
- PROVIDE COMBUSTION AIR VENTS TO FURNACE AND BACK DRAFT DAMPERS TO FIREPLACES, WOOD STOVES AND ANY APPLIANCES OF SIMILAR TYPE.
8. BATHROOMS AND UTILITY ROOMS ARE TO BE VENTED TO THE OUTSIDE WITH A FAN CAPABLE OF PRODUCING A MINIMUM OF 50 CUBIC FEET PER HOUR. RANGE HOODS ARE ALSO TO BE VENTED TO THE OUTSIDE.
9. ELECTRICAL RECEPTACLES IN BATHROOMS, KITCHENS AND GARAGES SHALL BE GFI OR GFCI PER NATIONAL ELECTRICAL CODE REQUIREMENTS.

AND HEADERS UNLESS OTHERWISE NOTED
EXCEPTION 1: AND 2 GFI
FLAT MAY BE USED + CABLE ENDS OF
TRUSSED ROOFS ON UPPER FLOOR
LARGE OPENINGS NOT EXCEEDING
6'-0" IN WIDTH WITH TWO POINT LOADS.
EXCEPTION 2: AND 3 GFI
SUPPORTED BY 2-2x6 FLAT ROOFS
ON SINGLE SPAN, AND DO NOT
EXCEED 6'-0" AND 30 LB/SF HAVE
PSF LOCK OR TUBE.

PROVIDE SHEARING UNDER ALL
SILL PLATES AT EXTERIOR PER METER
OF HOUSE

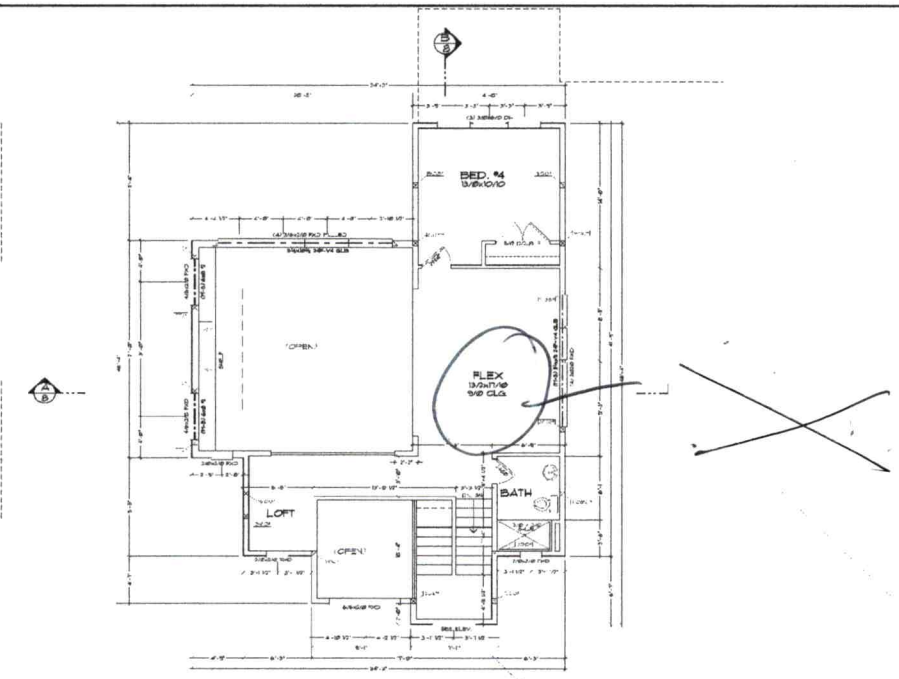
* SEAL ALL WALL AND FLOOR PENETRATIONS FROM ELECTRICAL, PLUMBING, AND MECHANICAL COMPONENTS PER CODE.

* VERIFY ALL FLOOR JOISTS BREAK ONLY OVER 24" OC BEARING WALLS OR BEAMS

\ = BEARING LOCATION + WALL
LINE MULTIPLE STUDS USED

DENOTES INTERIOR
BEAM W/ (LAL).

POST/COLUMN SIZE CHART	
LOAD	SIZE
3,938#	(2) 2x6 @
5,156#	(2) 2x8 @
8,084#	(3) 2x8 @
10,054#	(3) 2x10 @
3,840#	4x6 @
4,5??	4x6 @
4,863#	4x6 @
6,088#	6x6 @
10,869#	6x8 @



UPPER FLOOR PLAN
SCALE: 1/4" = 1'-0"

MARK STEWART
HOME DESIGN

33585 SE MAIN ST.
DESIGN SUITE 309
SHERWOOD, OR 97140

(503) 701.888.9
MARKSTEWART.COM

Authorized Plans Examiner: Original Drawings
Accepted as submitted/noted

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CLIENT: BEALER, LEN

PLAN: MM-3405 REV

REVISIONS: SEPTEMBER 2024

DRAWN BY: SS

PAGE 5 OF 7

Int 1/4

PERMIT SNAPSHOT REPORT RELAY-2022-8707 FOR IREDELL COUNTY

Permit Type: EH Re-layout
Work Class: EH Comprehensive
Status: In Progress
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wieberg, Danielle
App Date: 11/07/2022
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: Moving septic placement based on new setbacks.
We have a permit issued by Danielle but construction has not begun.
Site has been staked

Parcel: 4614967964.000 Main
Address: 160 Binns Rd Main
Mooresville, NC 28117
Zone: R-20(Suburban Residential District)

Project Contact
Daniel Cunningham
Home: (704) 662-6400
Mobile: (704) 658-8907

Property Owner
Leonard K Bealer Revocable Family Trust Bealer
Home: (704) 662-6400

Applicant/Authorized Agent
KENNETH BEALER HOMES INC
P.O. Box 3398 PO BOX 3398
MOORESVILLE, NC 28117
Business: (704) 662-6400

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	3491 SQFT	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	~~3~~ 4	Number of Occupants	6
Foundation Type	Crawl Space Foundation	Residential/Business/Other	Residential	Number of Employees	0
Total number of seats	0	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature___11/7/2022.jpg	11/07/2022 9:02	,		Uploaded via CSS
160 Binns AUTH TO ACT_v1.pdf	11/08/2022 11:42	Nebel, Barbara	Available Online	Authorize to Act as Agent
160 Binns Rd Septic Permit 12.8.2021_v1.pdf	11/08/2022 11:42	Nebel, Barbara	Available Online	Additional Supporting Information
160 Binns SITE PLAN with setbacks 2_v1.pdf	11/08/2022 11:42	Nebel, Barbara	Initial Site Sketch	Initial Site Sketch
KBH 160 Binns Rd Sealed_v1.pdf	11/08/2022 11:42	Nebel, Barbara	Available Online	Floor Plan(s)
160 Binns Rd Staked 11.4.2022_v2.pdf	11/15/2022 8:57	Nebel, Barbara	Available Online	Site Plan
160 Binns Rd Updated Site Plan.pdf	12/06/2022 12:39	Nebel, Barbara	Available Online	Updated Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2022-45185	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	12/14/2022			12/14/2022 8:09	12/14/2022 8:09

Inspectors: Kobuck, Teanna (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00005068	Comprehensive Gravity System Re-layout	$500.00	$500.00
	Total for Invoice INV-00005068	**$500.00**	**$500.00**
	Grand Total for Permit	**$500.00**	**$500.00**

1/9/23 LRT

4 Bedroom OK

