ICHD - ENVIRONMENTAL HEALTH DIVISION

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

MW

BLDR-2023-43795

PERMIT # OSWP-2023-32075

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

PIN # 4852 -- 66 -- 3753

APPLICANT/OWNER: BRANDON GREGORY | APPLICANT ADDRESS: 464 BASSETT ROAD, OLIN, N.C. 28660

SITE ADDRESS: 137 LUMBER DRIVE, HARMONY, N.C. 28634 | PHONE: 704-682-1084 | ALT. PHONE 704-903-8305

SITE DIRECTIONS: (N) ON 77, (L) ON 901, (L) ON LUMBER, LOTON (L) | SAP CONTROLLED: ☐ YES ☑ NO

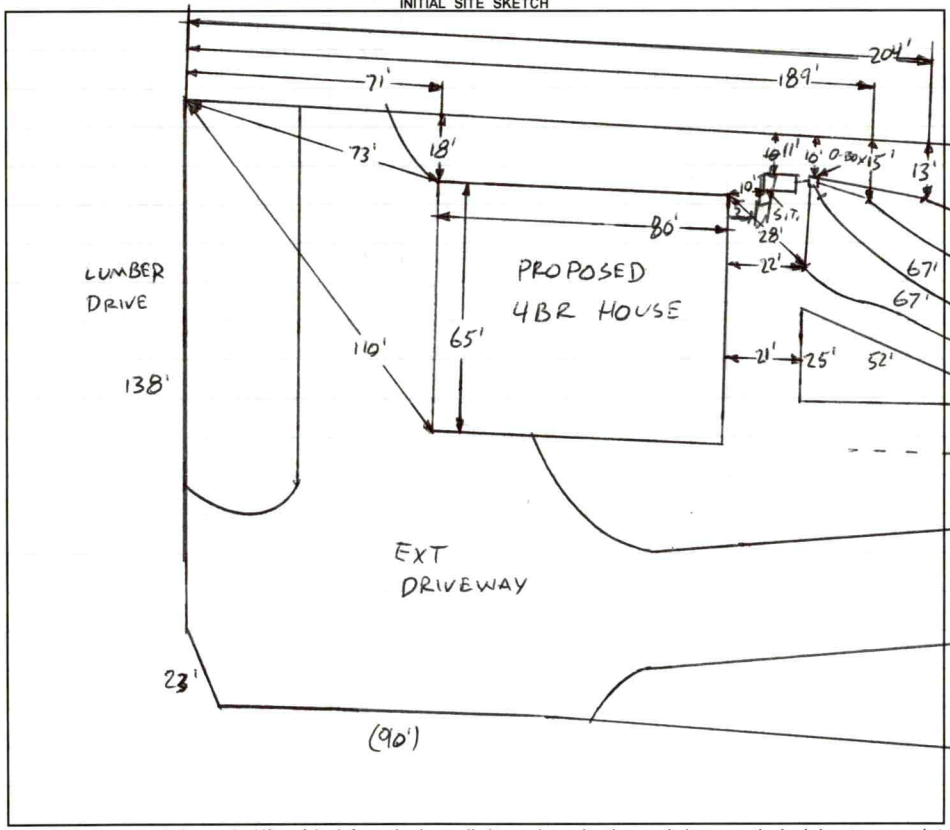
SUBDIVISION: CECIL S. GREGORY ETAL | SECTION: - | LOT # TRACT 1 | LOT AREA: 4.338 AC | DESIGN FLOW: 480 GPD | L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB	854	Date	-	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	4	Water Supply
Pump Tank	-	(gal)	PT	-	Date	-	System Description:	50% REDUCTION - UPPBPS			☐ Business	No. Persons	8	☐ Private
Pump Make	-	Model	-	Serial #	-		Repair System Description:	50% REDUCTION - UPPBPS			☐ Other	No. Employees	-	☑ Public
# Nitrification Fields	1	# Lines	4	Linear Ft	268FT		Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community
Trench Width	24 IN	Trench Bottom Depth(Low side)	32 IN	Gravel Depth	-			☑ GRAVITY	☐ PRESSURE		☐ Basement w/ plumbing		☐ Basement w/o plumbing	

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 8FT CENTERS, UTILIZE A D-BOX TO ACHIEVE EQUAL DISTRIBUTION. DO NOT EXCEED A 36 IN MAX TRENCH BOTTOM, KEEP TRAFFIC OFF DRAINFIELD

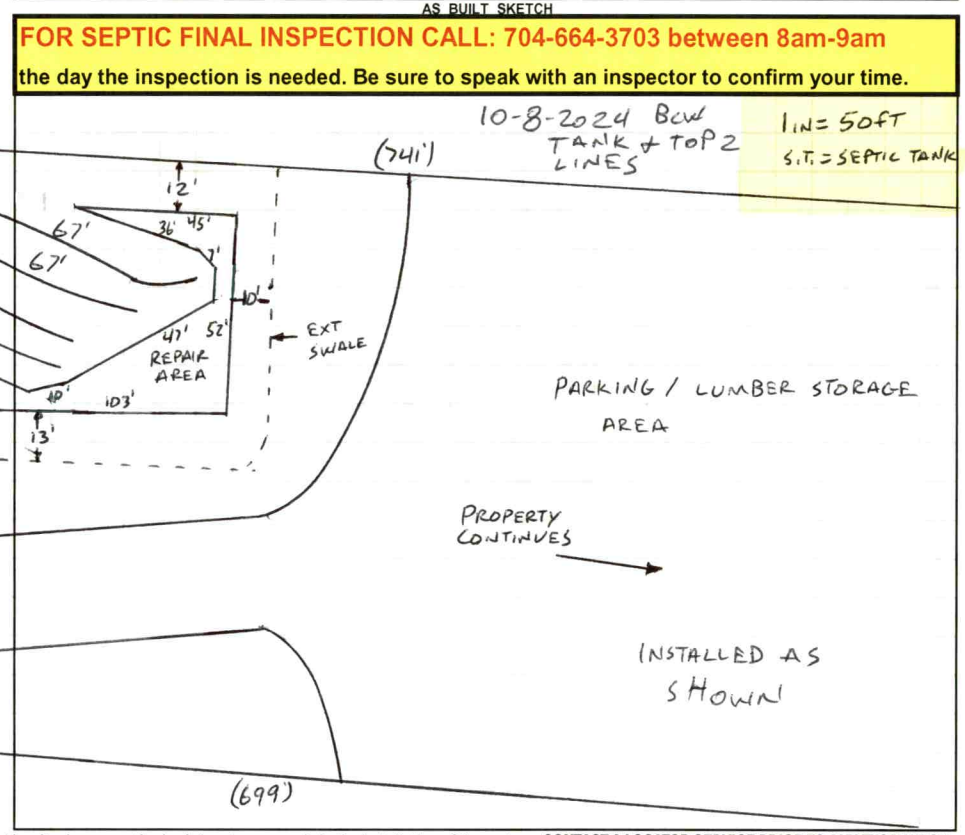
INSTALLED ON 7FT CENTERS, TOP LINE INSTALLED @ 40 IN DEEP

INITIAL SITE SKETCH



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.



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: ONLINE SIGNATURE | Date: - | Installed by: KELLY WELBORN

IMPROVEMENT PERMIT by: Bryant C. White | Date: 12-27-2023 | OPERATION PERMIT by: Bryant C. White | Date: 10-9-2024

AUTHORIZATION TO CONSTRUCT by: Bryant C. White | Date: 12-27-2023 | Existing System Inspected by: | Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

Sheet 1 of 1
PROPERTY ID #: 4852-66-3753
COUNTY: IREDELL

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

OWNER: BRANDON GREGORY
APPLICATION DATE 7-26-2023
ADDRESS: 464 BASSETT ROAD, OLIN, N.C. 28660
DATE EVALUATED: 10-19-2023
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480GPD
PROPERTY SIZE: 5.058 AC
LOCATION OF SITE: 137 LUMBER DRIVE, HARMONY, N.C. 28634
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
1	PARKING LOT 2%	0-8	FILL/GRAVEL. COMPACTED		SAP INC THRU OUT	69"+ 54"+ NEW	NA	NA	PS .3 CUT 8" -9"
		8-33	L, ABK	FI, S, P, SEXP					
		33-60	CL, WABK	FR, SS, SP, SEXP					
2	PARKING LOT 2%	0-8	FILL/GRAVEL COMPACTED		SAP INC THRU OUT	60"+ 50"+ NEW	NA	NA	PS .3 CUT 8" -10"
		8-30	L, ABK	FI, S, P, SEXP					
		30-60	CL, WABK	FR, SS, SP, SEXP					
3	PARKING LOT 3%	0-14	FILL/GRAVEL, COMPACTED		SAP INC THRU OUT	62"+ 54"+ NEW	NA	NA	PS .3 CUT 8" -11"
		14-41	L, ABK	FI, S, P, SEXP					
		41-62	CL, WABK	FR, SS, SP, SEXP					
4	PARKING LOT 1%	0-16	FILL/GRAVEL COMPACTED		SAP INC THRU OUT	63"+ 51"+ NEW	NA	NA	PS .3 CUT 8" -12"
		16-37	L, ABK	FI, S, P, SEXP					
		37-63	CL, WABK	FR, SS, SP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	50%	50%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Burpert C. White
OTHER(S) PRESENT:

COMMENTS: GRADING COMPLETED 11-20-2023

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

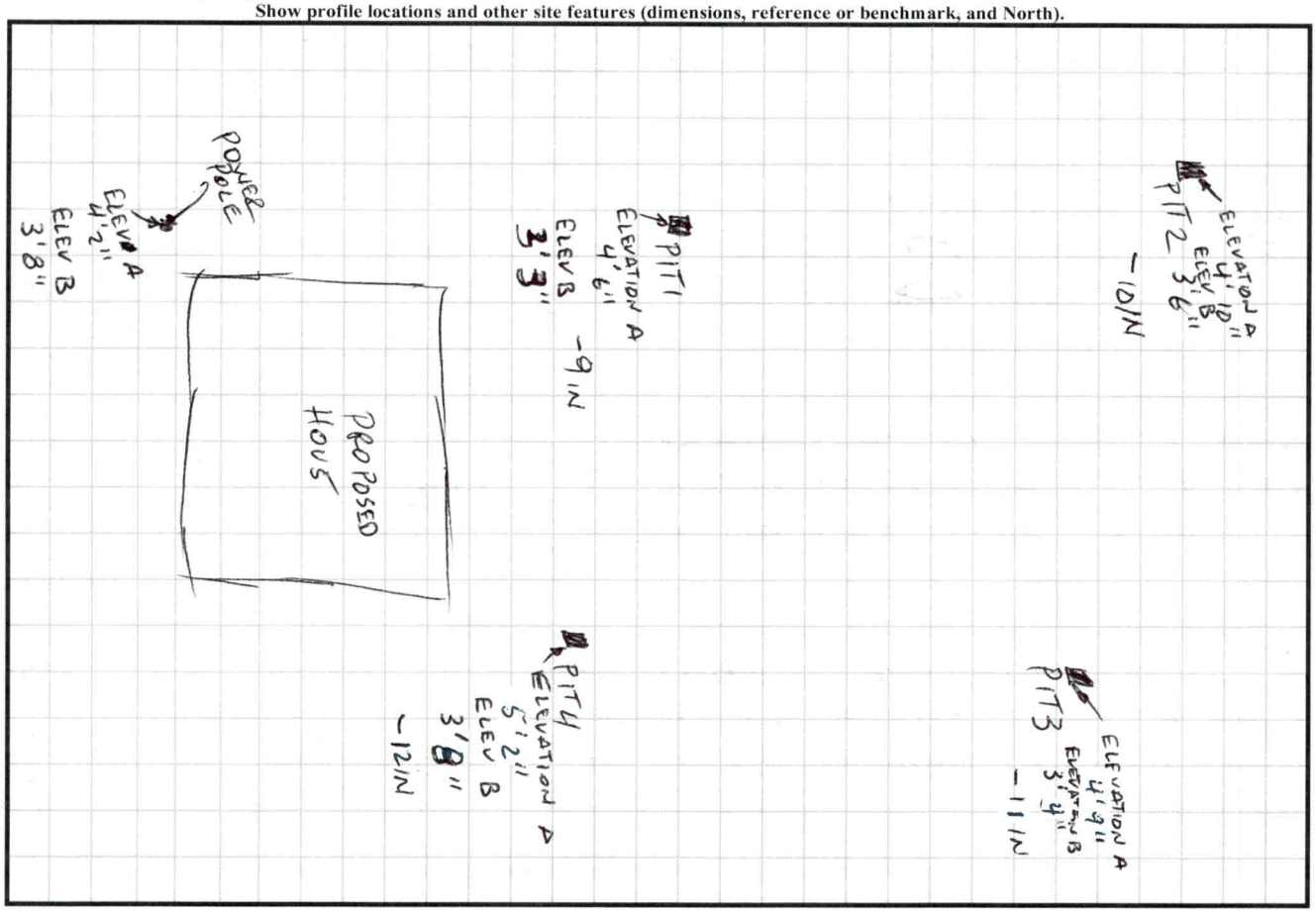
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).




300
150
150
4852-66-0639
131
300
4852-56-6676
55
4852-66-3753
137
Lumber Dr
POWER POLE ELEV 4'2"
ELEVATION 4'6"
PIT1
68
67
64
ELEVATION 4'10"
PIT2
ELEVATION 5'2"
PIT3
251
4852-66-3484
PIT4
ELEVATION 4'9"
TR 3
202
202
4852-56-9344
147
184
4852-55-6860
4852-66-2278
1040'
1 in = 50 ft

PERMIT SNAPSHOT REPORT OSWP-2023-32075 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: Called Ready
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: White, Bryant
App Date: 07/26/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: Installation of new septic system. 10/02 sent email. GM 10/03 Lee Hoots emailed that property needs to be marked. I asked him to contact when completed. GM 10/04 Rec email from Lee site will be ready 10/9. GM 10/10 Site Ready 4.33 acres GM

Parcel: 4852663753.000 Main

Address: 137 Lumber Dr Main
Harmony, NC 28634

Zone: GB(General Business)
RA(Residential Agricultural District)

Applicant/Authorized Agent
Charles Lee Hoots, T/A LEE HOOTS BUILDERS
385 Bassett Rd 385 BASSETT ROAD
Olin, NC 28660
Business: (704) 903-8305
Mobile: (704) 903-8305

Property Owner
Brandon Gregory
464 Bassett Rd
Olin, NC 28660
Mobile: (704) 682-1084

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	84'ft by 86'ft
What are the proposed structures	New Single-Family Residence - Modular	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
Lot Acreage	4.338	Front Setback	35	Back Setback	35
Left Setback	25	Right Setback	15	Zoning Permit Issued Date	Oct 2 2023 12:00AM
Zoning Permit Expiration Date	Mar 30 2024 12:00AM	Is the structure or development in the floodplain	No	Is the property in a local historic district?	No
Is the property located downtown?	No	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Julia Bailey	09/07/2023 9:02	OSWP-2023-32075	need site plan with setback measurements on all 4 sides from the property lines	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Charles_Hoots_7/26/2023.jpg	07/26/2023 16:14	Hoots, Charles		Uploaded via CSS
20230726_160802[1]_v1.jpg	07/28/2023 7:53	Nebel, Barbara	Available Online	Authorize to Act as Agent
STVEHSCANNER_20230906_115159_067552.pdf	09/06/2023 11:52	Hart, Ronda	Available Online	Site Plan with all distances
STVEHSCANNER_20230906_115159_067553.pdf	09/06/2023 11:53	Hart, Ronda	Available Online	Floor plans
Site-plan_v3_v3.pdf	09/27/2023 14:39	Bailey, Julia	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-149663	Passed -	OSWP Septic/Well Preliminary	10/10/2023	10/10/2023 0:00	10/10/2023 0:00	10/10/2023 16:45	10/10/2023 16:45

PERMIT SNAPSHOT REPORT (OSWP-2023-32075)

Permit Site Visit

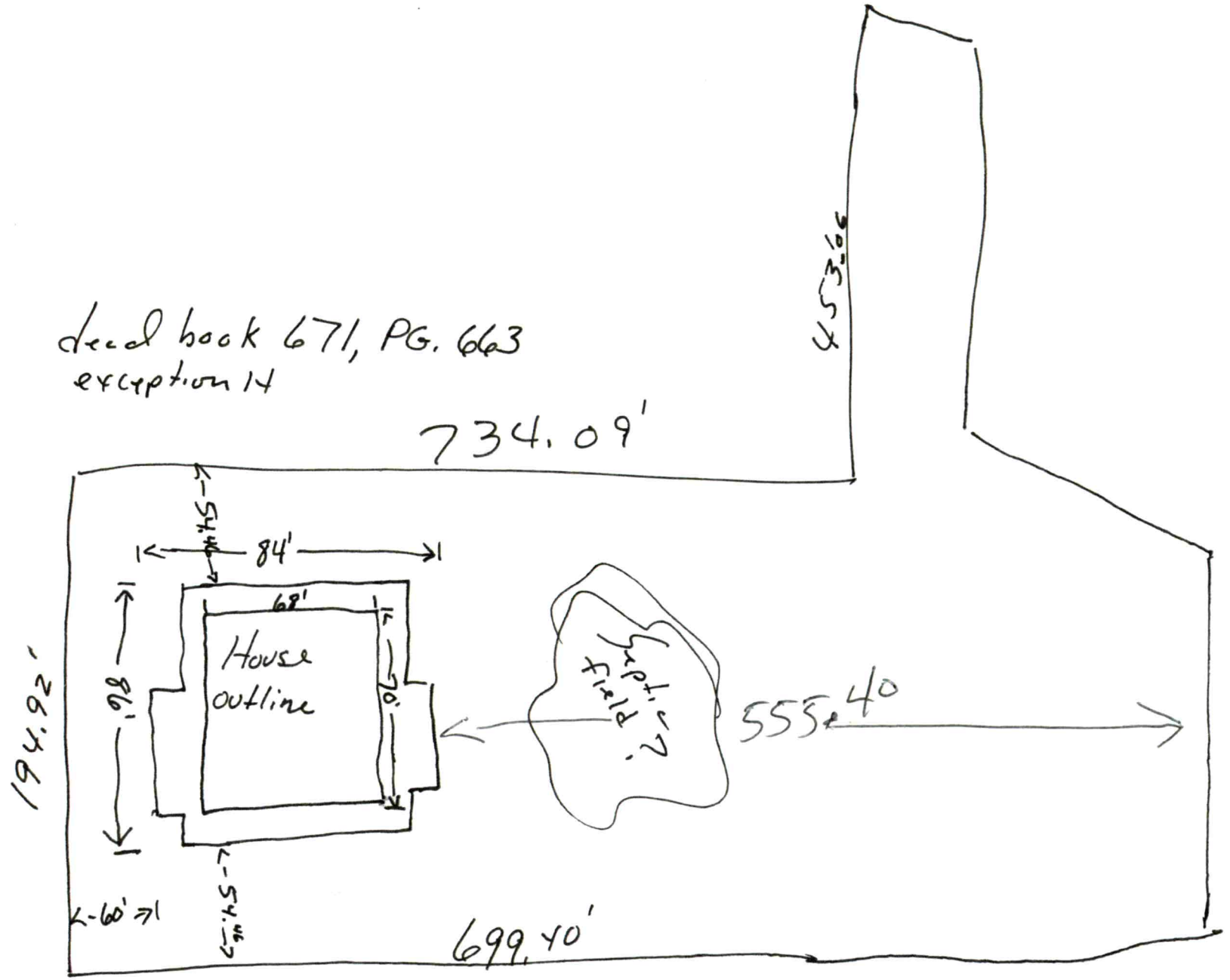
Inspectors: McLeod, Grace (Primary)

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

Note	Created By	Date and Time Created
1. 10/03 Lee Hoots emailed that property needs to be marked. I asked him to contact when completed. GM 10/04 Lee responded to email that site will be ready on 10/9. GM	Grace McLeod	10/03/2023 9:06
2. 10/10 Site ready. 4.33 acre lot. This is a lumber yard. The trucks keep knocking stakes over. Lumber all over property. Concrete and asphalt at front by HB. Laid 4 x 4 w/flagging because a stake could not be driven in asphalt. Brick for HB corner. GM	Grace McLeod	10/10/2023 16:40

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00021333	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00021333	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		07/28/2023 7:54	07/28/2023 7:54
Confirm application complete v.1	Generic Action		07/28/2023 7:54
Fees v.1		10/02/2023 12:13	10/02/2023 12:13
Issue Invoice v.1	Generic Action		10/02/2023 12:13
Fees Paid v.1	Generic Action		10/02/2023 12:13
Lot Readiness Verification v.1		10/10/2023 16:45	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/10/2023 16:45	10/10/2023 16:45
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		07/28/2023 7:54	10/02/2023 10:56
~~Floodplain Admin Overview v.1~~	Task		09/27/2023 14:42
Iredell County Zoning Approval v.1	Task	07/28/2023 7:54	10/02/2023 10:56
Issue Invoice v.1	Generic Action		09/27/2023 14:42
Fees Paid v.1	Generic Action		10/02/2023 10:56
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		
Environment Health Inspections v.1			
Operation Permit Inspection v.1	Inspection		
OSWP Alarm Checked v.1	Inspection		
OSWP Drain Lines Checked v.1	Inspection		
OSWP Electrical Checked v.1	Inspection		
OSWP Floats Checked v.1	Inspection		
OSWP Maintenance Contract v.1	Inspection		
OSWP Pressure Head Checked v.1	Inspection		
OSWP Pressure Manifold Checked v.1	Inspection		

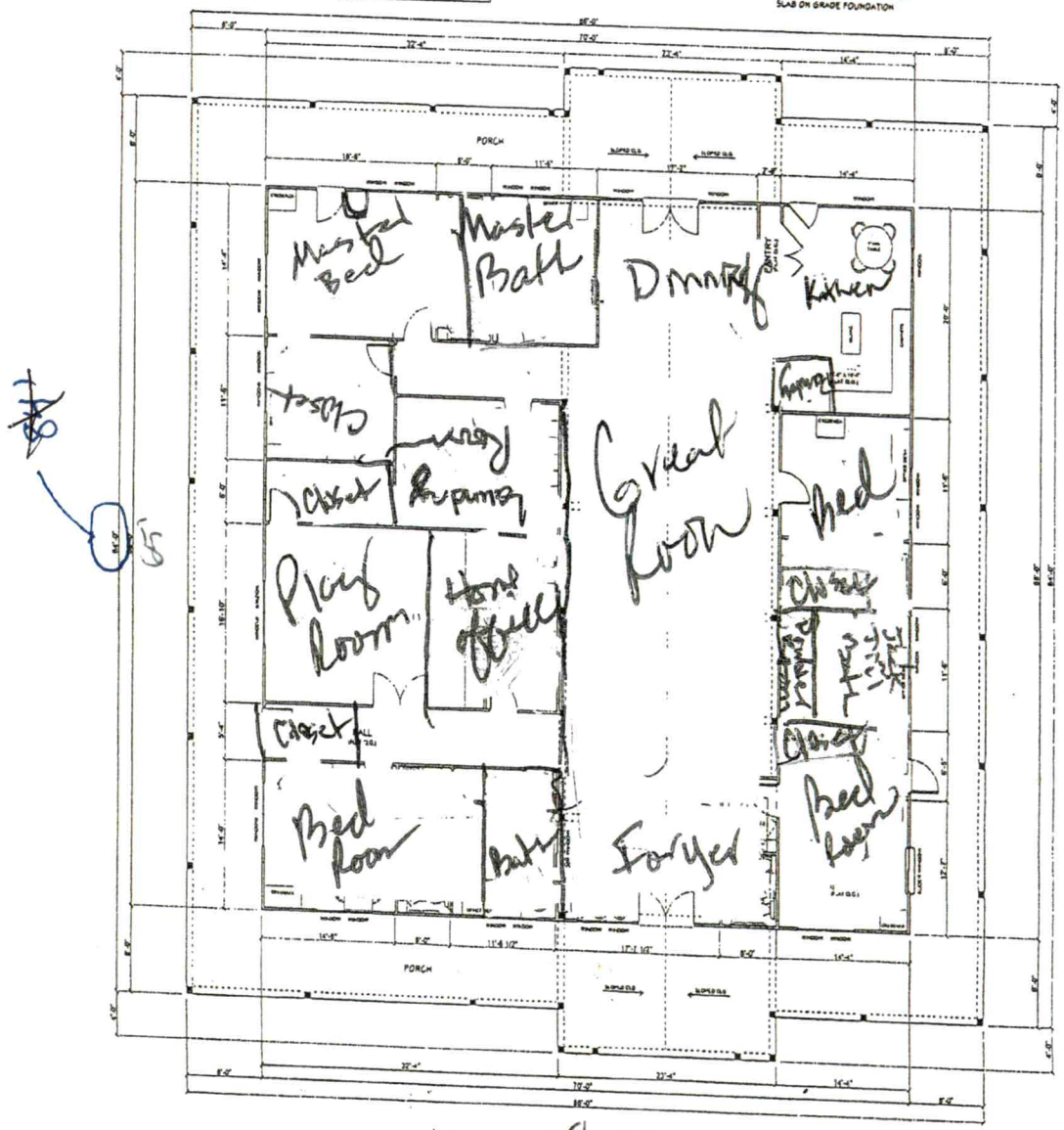

deed book 671, PG. 663
exception 14
734.09'
453.06'
84'
68'
House outline
98'
70'
54.46'
54.46'
60'
194.92'
699.40'
555.40'
Pilot Point

PRELIMINARY

2,651 PORCH SQUARE FOOTAGE

4,780 TOTAL HEATED SQUARE FOOT

ROOF SYSTEM TO BE PRE-MANUFACTURED ROOF TRUSSES
TIMBER TRUSSES TO BE DETERMINED
SLAB ON GRADE FOUNDATION



PRELIMINARY FLOOR PLAN