ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BB BLDR-2023-39191

PERMIT # OSWP-2023-22451

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

PIN # 4863 -- 11 -- 5045

APPLICANT/OWNER: KAREN GRANT

APPLICANT ADDRESS: 2597 CLINGMAN ROAD, RONDA, N.C. 28670

SITE ADDRESS: 231 AARON ROAD, HARMONY, N.C. 28634

PHONE: 828-964-9011

ALT. PHONE: —

SITE DIRECTIONS: (N) ON 77, (R) ON 901, (L) ON WINTHROP, (L) ON CRATER, (L) ON AARON

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: GARY W. GRANT & KEVIN J. GRANT

SECTION: — LOT # TR1 LOT AREA: 3.976 AC

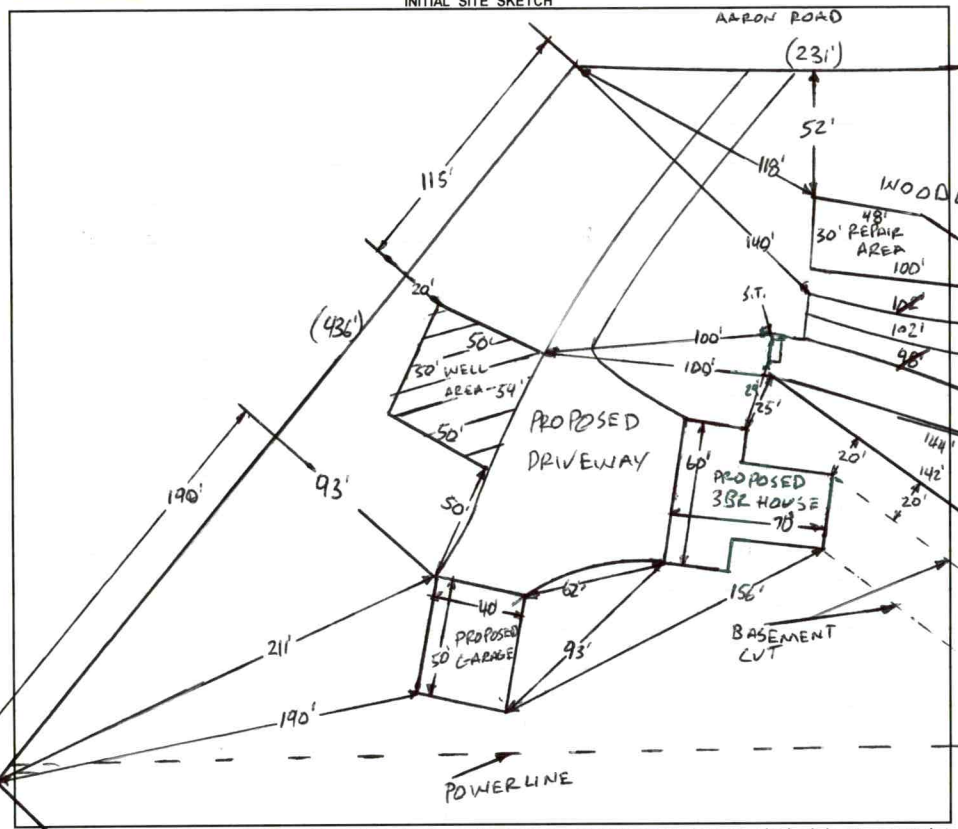
DESIGN FLOW: 360 GPD L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB	851	Date	8/11/23	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	—	(gal)	PT	—	Date	—	System Description:			25% REDUCTION	
Pump Make	—	Model		—	Serial #	—	Repair System Description:			25% REDUCTION	
# Nitrification Fields	1	# Lines	3		Linear Ft	302 FT	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36 IN	Trench Bottom Depth(Low side)			30 IN	Gravel Depth	—	☑ GRAVITY	☐ PRESSURE		

☑ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☑ Private
☐ Other	No. Employees	—	☐ Public
☐ Slab	☐ Crawl Space		☐ Community
☐ Basement w/plumbing			☑ Basement w/o plumbing

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 36IN MAX TRENCH DEPTH

INITIAL SITE SKETCH

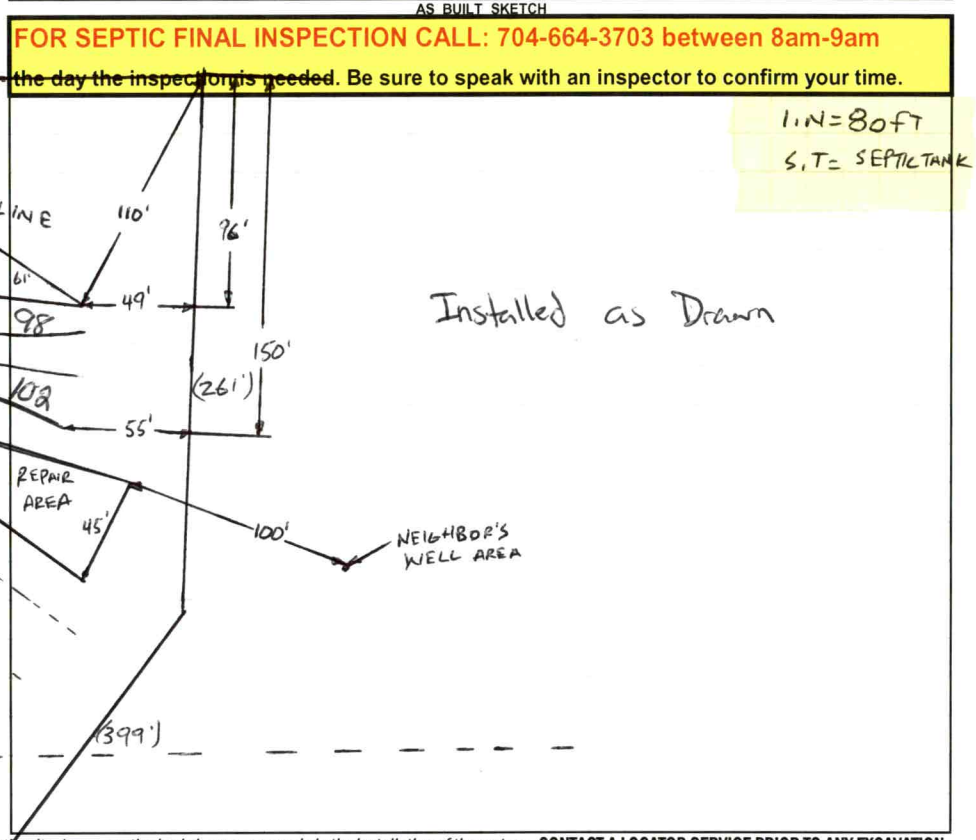


AS BUILT SKETCH

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.

1 IN = 80 FT

S.T. = SEPTIC TANK



Installed as Drawn

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: _____ Date: _____ Installed by: Chad Miller & Sons Construction

IMPROVEMENT PERMIT by: Bryant C. White Date: 6-15-2023 OPERATION PERMIT by: Cary Whit Date: 10/18/23

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 6-19-2023 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? _____	


4863-12-8070
Aaron Rd
4863-12-8070
436
4863-20-
TRACT 1
651
4863-11-5045
231
Pit1
Pit2
4863-00-8914
104
108
105
Pit3
Pit4
neighbors
ext barn
399
651
4863-10-6603
TRACT 2

Sheet 1 of 1
PROPERTY ID #: 4863-11-5045
COUNTY: IREDELL

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

OWNER: KAREN GRANT
ADDRESS: 2597 CLINGMAN ROAD, RONDA, N.C. 28670
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360GPD
LOCATION OF SITE: 231 AARON ROAD, HARMONY, N.C. 28634
WATER SUPPLY: ✓Private Public ✓Well Spring Other
EVALUATION METHOD: Auger Boring ✓Pit Cut
TYPE OF WASTEWATER: ✓Sewage Industrial Process Mixed

APPLICATION DATE 4-18-2023
DATE EVALUATED: 5-9-2023
PROPERTY SIZE: 3.976 AC
PROPERTY RECORDED: YES

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	LINEAR SIDE 3%	0-6	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT	60"+	NA	NA	PS .3
		6-32	C, SBK	FR, S, P, SEXP					
		32-60	CL, WSBK	FR, SS, SP, SEXP					
2	LINEAR SIDE 5%	0-6	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT FEW F1	56"+	NA	NA	PS .3
		6-34	C, SBK	FR, S, P SEXP					
		34-56	CL, WSBK	FR, SS, P, SEXP					
3	LINEAR SIDE 2%	0-7	PLOW	LAYER	SAP INC THRU OUT FEW F1	54"	PS IT SL	NA	PS .3
		7-30	C, SBK	FR, S, P, SEXP					
		30-54	CL, WSBK	FR, SS, SP, SEXP					
		54-63	SAP-MAS	VFR, NS, NP, SEXP					
4	LINEAR SIDE 7%	0-7	PLOW	LAYER	SAP INC THRU OUT FEW F1	56"+	NA	NA	PS .3
		7-34	C, SBK	FR, S, P, SEXP					
		34-56	CL, WSBK	FR, SP, SP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	25%
Site LTAR	0.3	0.3

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

COMMENTS:

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.

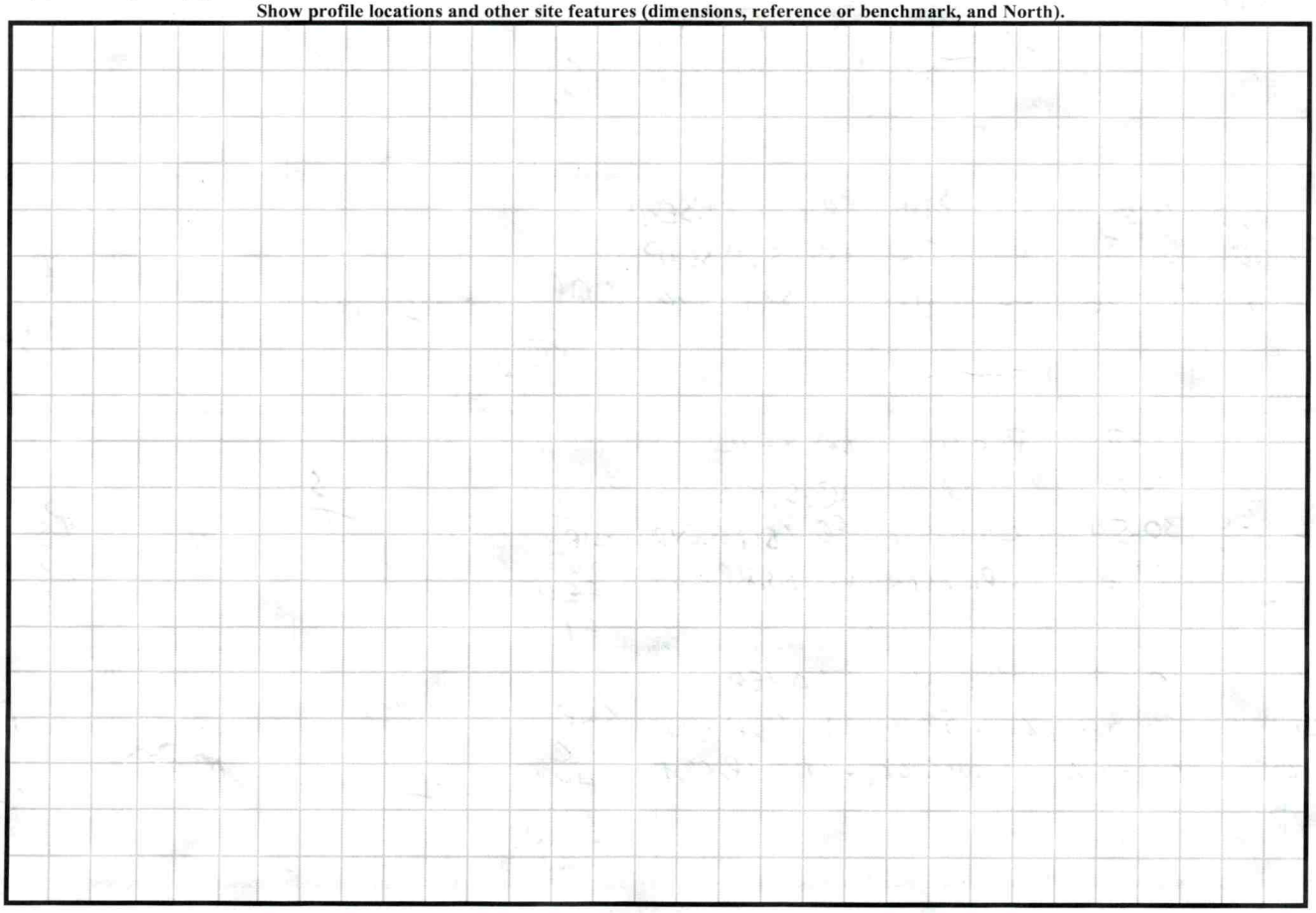
NOTES

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).



PERMIT SNAPSHOT REPORT OSWP-2023-22451 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Description: improvement/ac

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: White, Bryant

App Date: 04/18/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4863115045.000 Main
Address: 231 Aaron Rd Harmony, NC 28634 Main
Zone: RA(Residential Agricultural District)

Property Owner
KAREN L+RALPH D JR GRANT

Applicant/Authorized Agent
Karen Grant
2597 CLINGMAN RD.
RONDA, NC 28670
Business: (828) 964-9011
Mobile: (828) 964-9011

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	65x65 house and 50x75 building	What are the proposed structures	Accessory Building, New Single Family Residence
Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3	If other Addition/Structure, please explain	
Number of Occupants	2	Foundation Type	Basement without Plumbing	Residential/Business/Other	Residential
Water Supply	New Well	Desired Septic System Type	Conventional (most common)	If other septic system type, please explain	
Pump Make		# of Nitrification Fields		Model	
Serial #		System Description		Repair System Description	
Comments/Conditions		Permit type(s)	Improvement Permit with Site Plan	Has this project been approved by TRC	No
Lot Acreage	3.976	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Apr 20 2023 12:00AM
Zoning Permit Expiration Date	Oct 17 2023 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	WSIII BOW HUNTING CREEK

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Karen_Grant_4/18/2023.jpg	04/18/2023 11:34	Grant, Karen		Uploaded via CSS
Scan Apr 18, 2023 (1)_v1.pdf	04/18/2023 15:43	Hart, Ronda	Available Online	Authorize to Act as Agent
Scan Apr 18, 2023 (3)_v1.pdf	04/18/2023 15:43	Hart, Ronda	Available Online	Additional Supporting Information
Scan Apr 18, 2023_v1.pdf	04/19/2023 9:21	Sloan, Chrystal	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-85964	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	04/26/2023	04/26/2023 0:00	04/26/2023 0:00	04/26/2023 14:01	04/26/2023 14:01

Inspectors: Whicker, Cory (Primary)

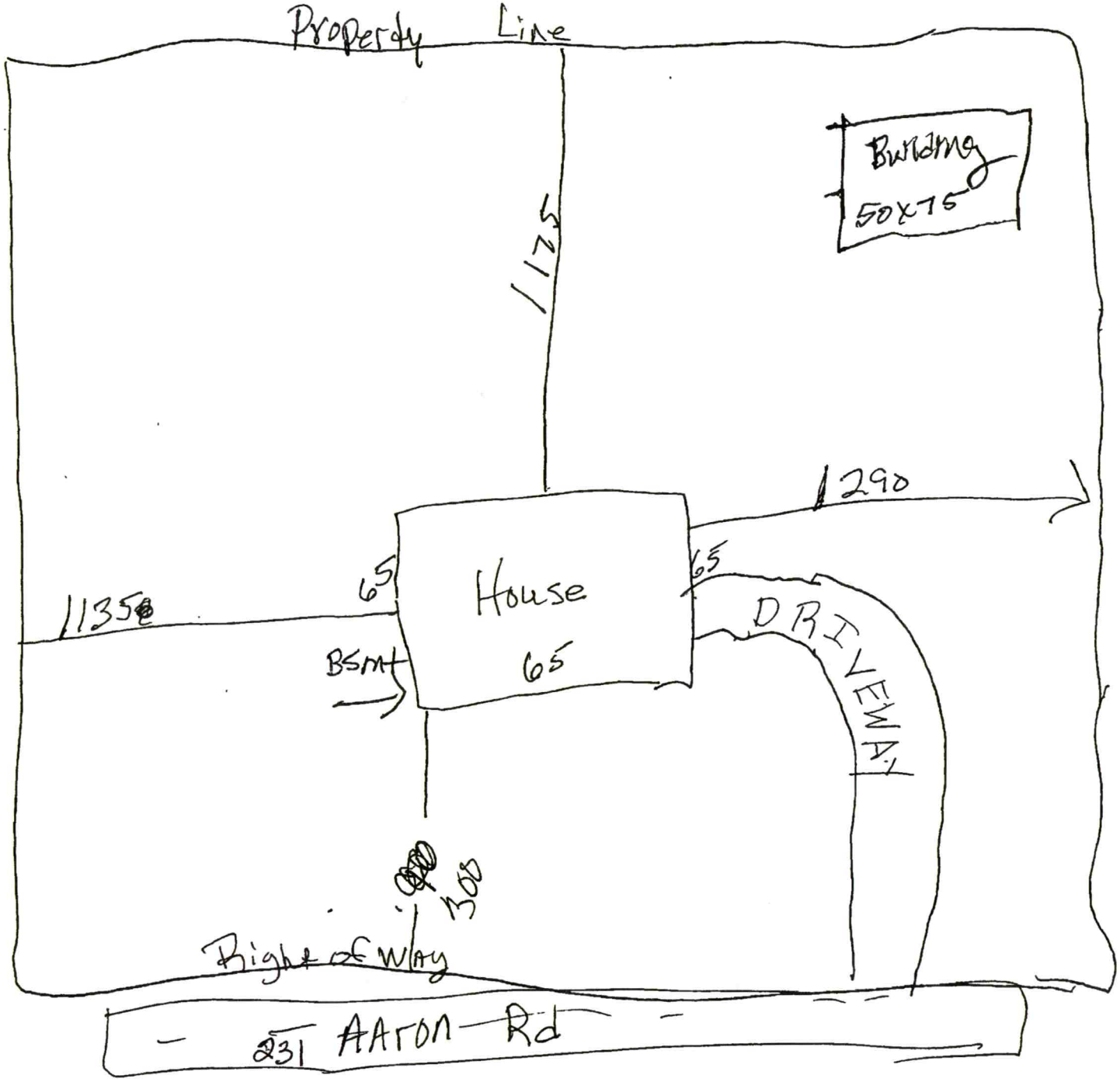
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

PERMIT SNAPSHOT REPORT (OSWP-2023-22451)

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00012569	Iredell Zoning Tech Fee		$2.25	$2.25
	New Gravity System		$500.00	$500.00
	Iredell Zoning Permit Fee		$75.00	$75.00
		Total for Invoice INV-00012569	$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		04/18/2023 15:44	04/18/2023 15:44
Confirm application complete v.1	Generic Action		04/18/2023 15:44
Fees v.1		04/19/2023 9:20	04/20/2023 8:10
Issue Invoice v.1	Generic Action		04/19/2023 9:20
Fees Paid v.1	Generic Action		04/20/2023 8:10
Zoning Review v.1		04/19/2023 9:00	04/20/2023 8:42
~~Floodplain Admin Overview v.1~~	Task		04/19/2023 8:51
Iredell County Zoning Approval v.1	Task	04/19/2023 9:00	04/20/2023 8:42
Issue Invoice v.1	Generic Action		04/19/2023 9:04
Fees Paid v.1	Generic Action		04/20/2023 8:10
Lot Readiness Verification v.1		04/26/2023 14:01	
OSWP Septic Preliminary Site Visit v.1	Inspection	04/26/2023 14:01	04/26/2023 14:02
OSWP Site Evaluation v.1	Inspection		
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		

Karen Grant


Property Line
Building
50x75
1175
1290
House
65
65
65
1135
Bsmt
DRIVEWAY
300
Right of Way
231 AARON Rd