ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

STH

BLDE 2024-54992

PERMIT : OSWP 2024-55192

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

PIN # 4871 - 46 - 4833

APPLICANT/OWNER: Joshua Bradshaw

APPLICANT ADDRESS: 235 Warren Bridge Rd Union Grove NC 28689

SITE ADDRESS: 340 Rabbit Hwy Harmony NC 28634

PHONE: 704 902 0283

ALT. PHONE —

SITE DIRECTIONS: Hwy 21 N → Little Wilkesboro Rd → Rabbit Hwy

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Estelle A Renegar

SECTION: —

LOT # 2

LOT AREA: 4 AC

DESIGN FLOW: 480

L.T.A.R.(Initial): 0.3

L.T.A.R (Repair): 0.25

Septic Tank — (gal) STB — Date —

Pump Tank — (gal) PT — Date —

Pump Make — Model — Serial # —

Nitrification Fields 1 # Lines EXT + 4 Linear Ft + 200

Trench Width 36" *Max. Trench Depth(Initial) 33" *Max. Trench Depth(Repair) 33" Gravel Depth —

* Measured on the downhill side of the trench

EXISTING

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

System Description: EXT BED + Gravity 25%

Repair System Description: Gravity 25%

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

Usable Depth to LC (Initial): 48"

Usable Depth to LC (Repair): 48"

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees —

☐ Slab ☒ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

☐ Private

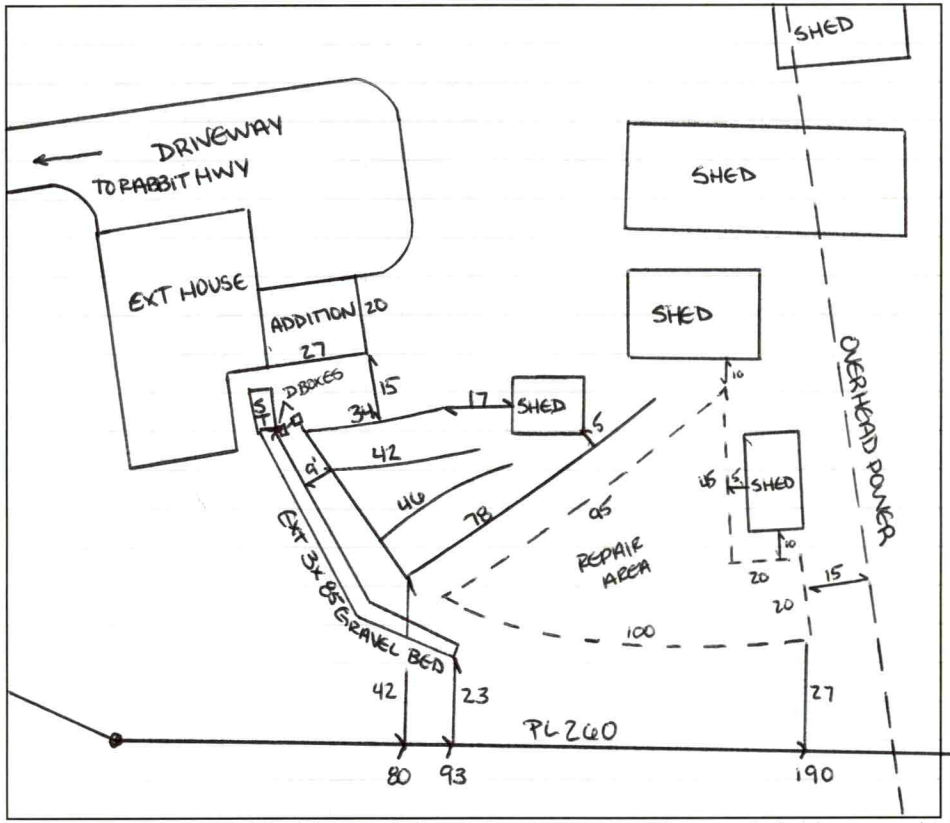
☒ Public

☐ Community

Limiting Condition

Comments / Conditions: Install on contour. Set 2 distribution boxes in series to feed equally. Do not shallow up.

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.

Installed as drawn using 1 distribution box equally feeding bed + new lines. New filter installed, tank appeared to be in good working condition.

PL 391

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 Date: —

Installed by: STEVE JORDAN

IMPROVEMENT PERMIT by: Sarah Williams Date: 7/2/24

OPERATION PERMIT by: Sarah Williams Date: 10/28/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams Date: 7/2/24

Existing System Inspected by: Date:

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

PROPERTY ID #: 4871-46-4833
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: William Renegar DATE EVALUATED: 6/28/24
ADDRESS: SAME
PROPOSED FACILITY: ADDITION PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 4AC
LOCATION OF SITE: 340 Rabbit Hwy Harmony NC 28634 PROPERTY RECORDED: Y
WATER SUPPLY: (Public) Single Family Well Shared Well Spring Other — WATER SUPPLY SETBACK: 10
EVALUATION METHOD: Auger Boring (Pit) Cut TYPE OF WASTEWATER: (Domestic) High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS 5%	0-11	FILL DIST	—	few SAP incl 36"-51"	51		—	S 0.3	2"
		11-16	SCL ABK	SSSPSE FI						
		16-36	C ABK	SSSPSE FI/FR						
		36-51	CL ABK	SSSPSE FR						
2	LS 5%	0-22	FILL DIST	—	few SAP incl 40"-49"	49		—	S 0.3 REMOVE FILL	2"
		22-40	C ABK	SSSPSE FR						
		40-49	CL ABK	+						
3	LS 5%	0-9	SCL ABK	SSSPSE FI	10YR 4/3@ 28"-29" 10YR 4/6@ 23"-28"	53		—	S ~~0.25~~ 0.25	2"
		9-35	C ABK	SSSPSE FR						
		35-53	CL ABK	+						
4	LS 1%	0-12	SCL ABK	SSSPSE FI	few SAP incl 30"-50"	50		—	S 0.3	3"
		12-32	C ABK	SSSPSE FR						
		32-50	CL ABK	+						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	+200	240
System Type(s)	EXT Gravity	25% Red.
Site LTAR	0.3	0.25
Maximum Trench Depth	33"	33"

SITE CLASSIFICATION (.0509): S
EVALUATED BY: S. Williams
OTHER(S) PRESENT:

Comments:

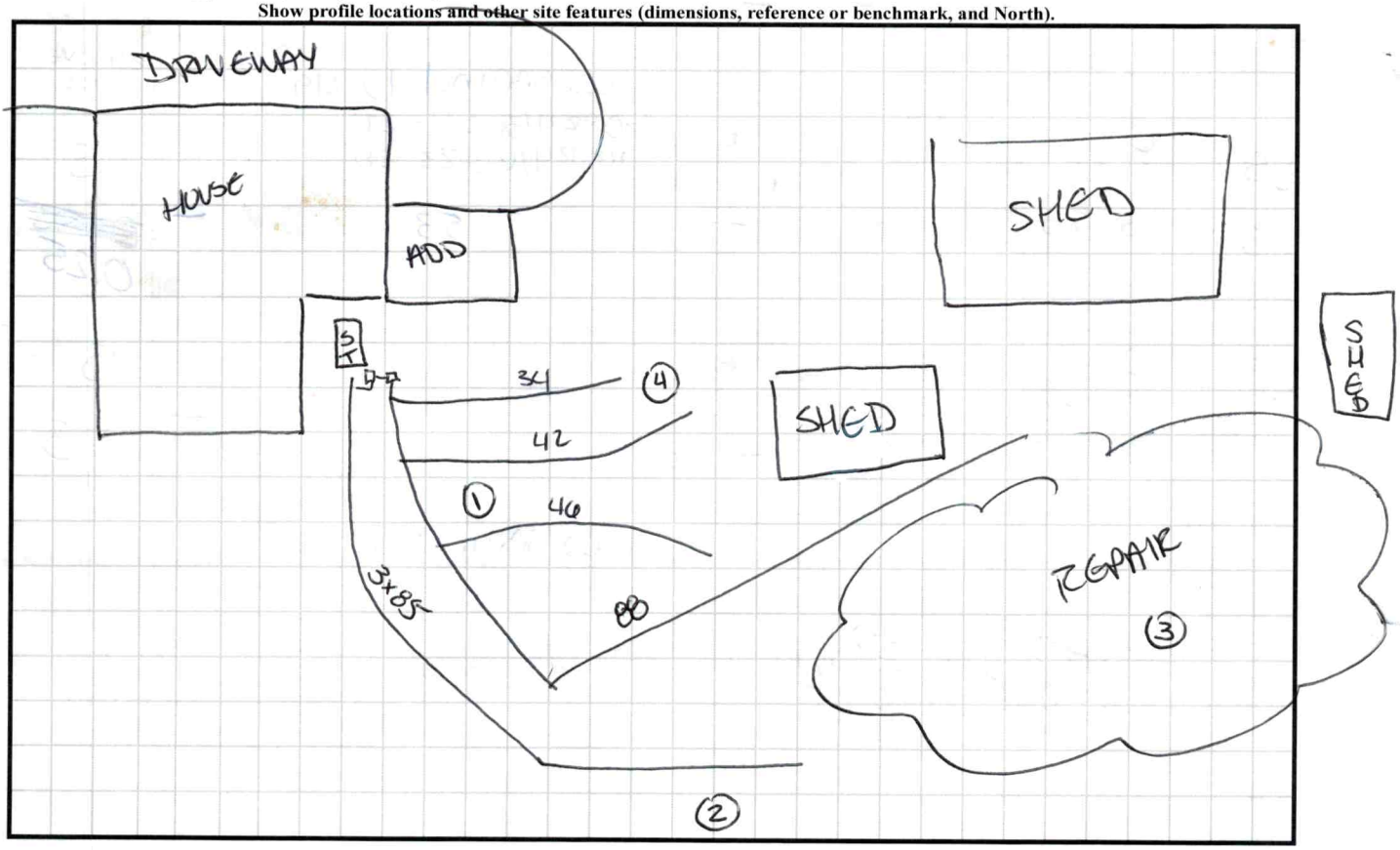
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.
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) or U (Unsuitable)

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



PERMIT SNAPSHOT REPORT OSWP-2024-55192 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/07/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Bracken, Sarah	**Approval Expire Date:**	
Description:	adding bedroom				

Parcel: 4871464833.000 Main	**Address:** 340 Rabbit Hwy Harmony, NC 28634 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
WILLIAM B+MALLORY A RENEGAR

Applicant/Authorized Agent
Joshua A Bradshaw
235 Warren Bridge Road
Union Grove, NC 28689
Mobile: (704) 902-0283

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	22' x 17'
What are the proposed structures	Bedroom(s) Addition	Maximum Number of Bedrooms	1	If other Addition/Structure, please explain	
Number of Occupants	2	Foundation Type	Crawl Space Foundation	Water Supply	Municipal Water
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	
Has this project been approved by TRC	No	Lot Acreage	4	Front Setback	35
Back Setback	35	Right Setback	15	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_Joshua_Bradshaw_6/7/2024.jpg	06/07/2024 16:40	Bradshaw, Josh		Uploaded via CSS
renegar site plan_v1.pdf	06/07/2024 16:49	Bradshaw, Josh	Available Online	
2024-06-07 13-53_v1.pdf	06/10/2024 10:07	Bradshaw, Josh	Available Online	
IMG_4899.jpg_v1.pdf	06/12/2024 11:20	Bradshaw, Josh	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-223256	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	06/17/2024	06/18/2024 0:00	06/18/2024 0:00	06/18/2024 8:00	06/18/2024 8:00

Inspectors: COMEAUX, DEBRA (Primary)

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

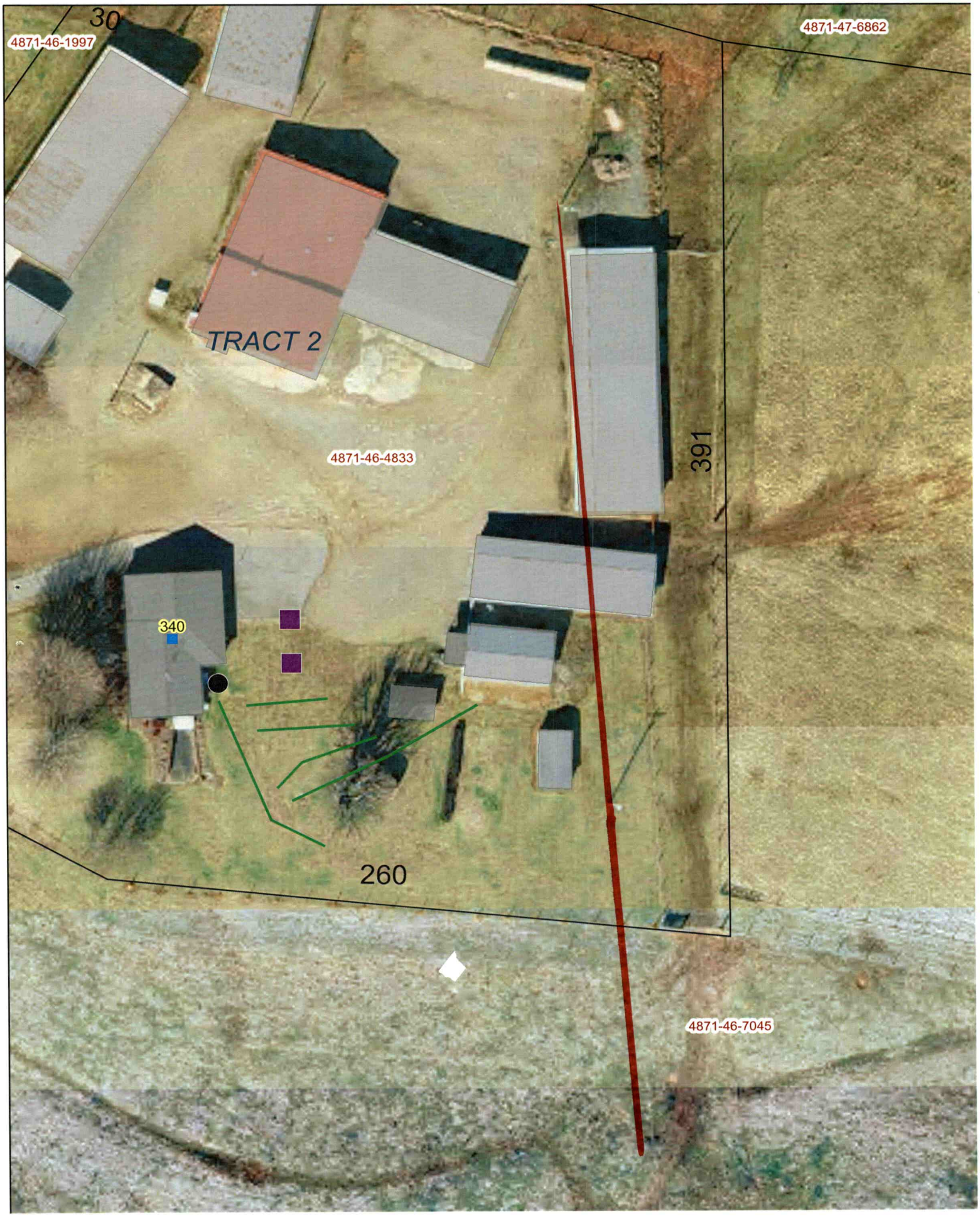
PERMIT SNAPSHOT REPORT (OSWP-2024-55192)

Linked Record Relationship	Module	Record Number	Linked Record Type	Linked Record Work Class
Parent	Permit	BLDR-2024-54992	Residential Building	Single Family Addition

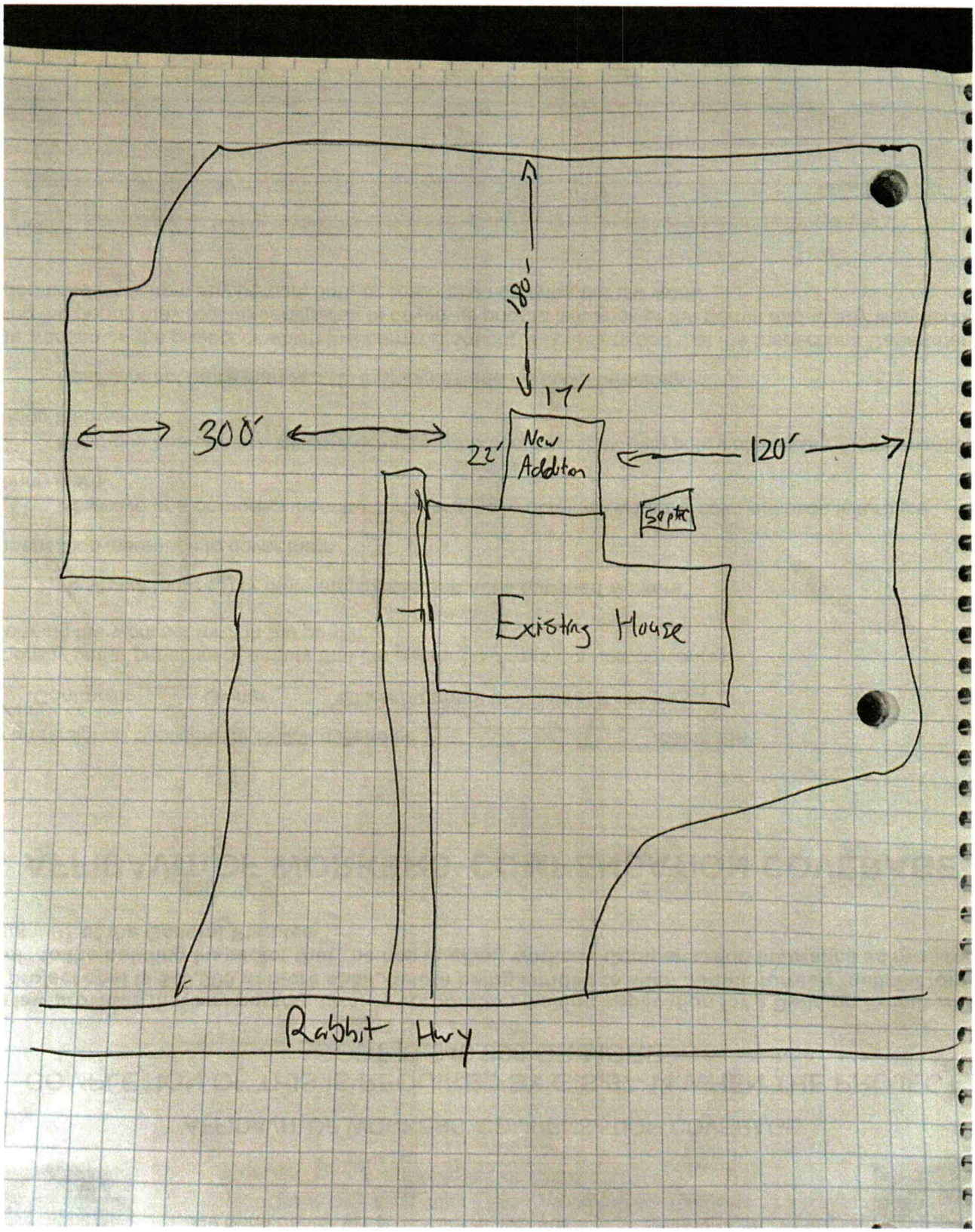
Note	Created By	Date and Time Created
1. talked to customer yesterdayand today about having property corners marked. I went out and i couldnt see all corners marked. I called Heath and he advise me that there was 11 corners,so I texted the customer back with the details I need to come back and check the property.	Peter Mravetz	06/14/2024 11:30
2. customer called me this morning and I went out and found all 11 corners marked and where customer staked out where the new structure will be.	Peter Mravetz	06/17/2024 11:45

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00031976	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00031976	$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		06/07/2024 16:48	06/07/2024 16:49
Confirm application complete v.1	Generic Action		06/07/2024 16:49
Zoning Review v.1		06/10/2024 10:10	06/13/2024 8:14
~~Floodplain Admin Overview v.1~~	Task		06/07/2024 16:48
Issue Invoice v.1	Generic Action		06/10/2024 10:10
Fees Paid v.1	Generic Action		06/13/2024 8:14
Fees v.1		06/10/2024 10:10	06/13/2024 8:14
Fees Paid v.1	Generic Action		06/13/2024 8:14
Issue Invoice v.1	Generic Action		06/10/2024 10:10
Lot Readiness Verification v.1		06/17/2024 11:45	
OSWP Septic Preliminary Site Visit v.1	Inspection	06/17/2024 11:45	06/17/2024 11:45
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		


30
4871-46-1997
4871-47-6862
TRACT 2
4871-46-4833
391
340
260
4871-46-7045




180'
17'
300'
22'
New Addition
120'
Septic
Existing House
Rabbit Hwy