ICHD - ENVIRONMENTAL HEALTH DIVISION

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

MW

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

PERMIT : OSWP 2025-70611

PIN # 4863-30-1221

APPLICANT/OWNER: Henri Estrada | APPLICANT ADDRESS: 427 Woodlawn Dr Statesville NC 28677

SITE ADDRESS: 153 Cheshire Ridge Rd Harmony NC 28634 | PHONE: 240-481-3985 | ALT. PHONE

SITE DIRECTIONS: N on 77 → R Hwy 901 → L Winthrop → L Crater → R Cartwright → L Cheshire Ridge

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Cheshire Ridge | SECTION: 2 | LOT # 30 | LOT AREA: 2.21 | DESIGN FLOW: 480 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.275

Septic Tank 1000 (gal) | STB EXISTING | Date

Pump Tank (gal) | PT | Date

Pump Make | Model | Serial #

Nitrification Fields 1 | # Lines EXT + 1 | Linear Ft EXT + 102'

Trench Width 36" | *Max. Trench Depth(Initial) 19" | *Max. Trench Depth(Repair) 22" | Gravel Depth —

* Measured on the downhill side of the trench

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

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

System Description: EXT + 25% REDUCTION

Repair System Description: 25% reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): 34

☒ Residence | No. Bedrooms 4

☐ Business | No. Persons 8

☐ Other | No. Employees —

☐ Slab ☐ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Usable Depth to LC (Repair): 36 *Limiting Condition*

Water Supply

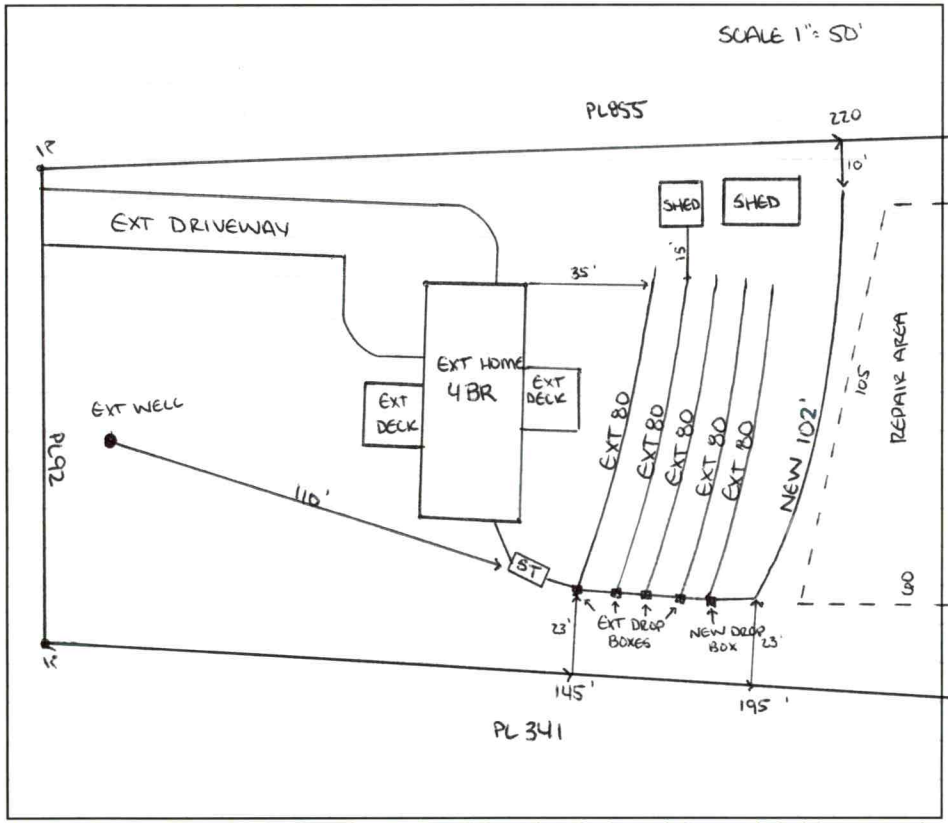
☒ Private

☐ Public

☐ Community

Comments / Conditions: Install on contour 9' on center. Install new drop box to new 102' line. Replace any other distribution as needed. Existing 4th bedroom already in home.

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. New filter placed in tank.

PROPERTY → CONTINUES

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: Kevin Bowles

IMPROVEMENT PERMIT by: Sarah Williams | Date: 3/13/2025 | OPERATION PERMIT by: Sarah Williams | Date: 3/21/2025

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 3/13/2025 | 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 #: 4863-30-1221
COUNTY: IREDELL

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

(Complete all fields in full)

OWNER: Henri Estrada DATE EVALUATED: 3/11/2025
ADDRESS: 427 Woodlawn Dr Statesville NC 28677
PROPOSED FACILITY: EXT 3BR + 1BR PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 2.21 AC
LOCATION OF SITE: 153 Cheshire Bridge Rd Harmony NC 28634 PROPERTY RECORDED: Y
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other WATER SUPPLY SETBACK: 50'
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 7-9%	0-5	CL DIST	SS SP SE FR		34		34+	S 0.3	3
		5-24	C SBK	SS SP SE FR						
		24-34	CL ABK	SS SP SE FR						
		34-99	ROCK —	—						
					Heavy SAP incl in CL					
2	LS 7-9%	0-7	CL DIST	SS SP SE FR		36		36+	S 0.3	3
		7-24	C SBK	SS SP SE FR						
		24-36	CL WABK	SS SP SE FR						
		36-48	LITHO —	NS NP SEVF						
					heavy SAP incl in CL					
3	LS 7-9%	0-9	CL SBK	SS SP SE FR		56		—	S 0.275	3
		9-30	C ABK	SS SP SE FR						
		30-56	CL ABK	SS SP SE FR						
					heavy SAP incl in CL					
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	EXT + 100'	436'
System Type(s)	G25 %	G25 %
Site LTAR	0.3	0.275
Maximum Trench Depth	19"	22"

SITE CLASSIFICATION (.0509): S 0.3 / 0.275
EVALUATED BY: S. Williams
OTHER(S) PRESENT:

Comments:

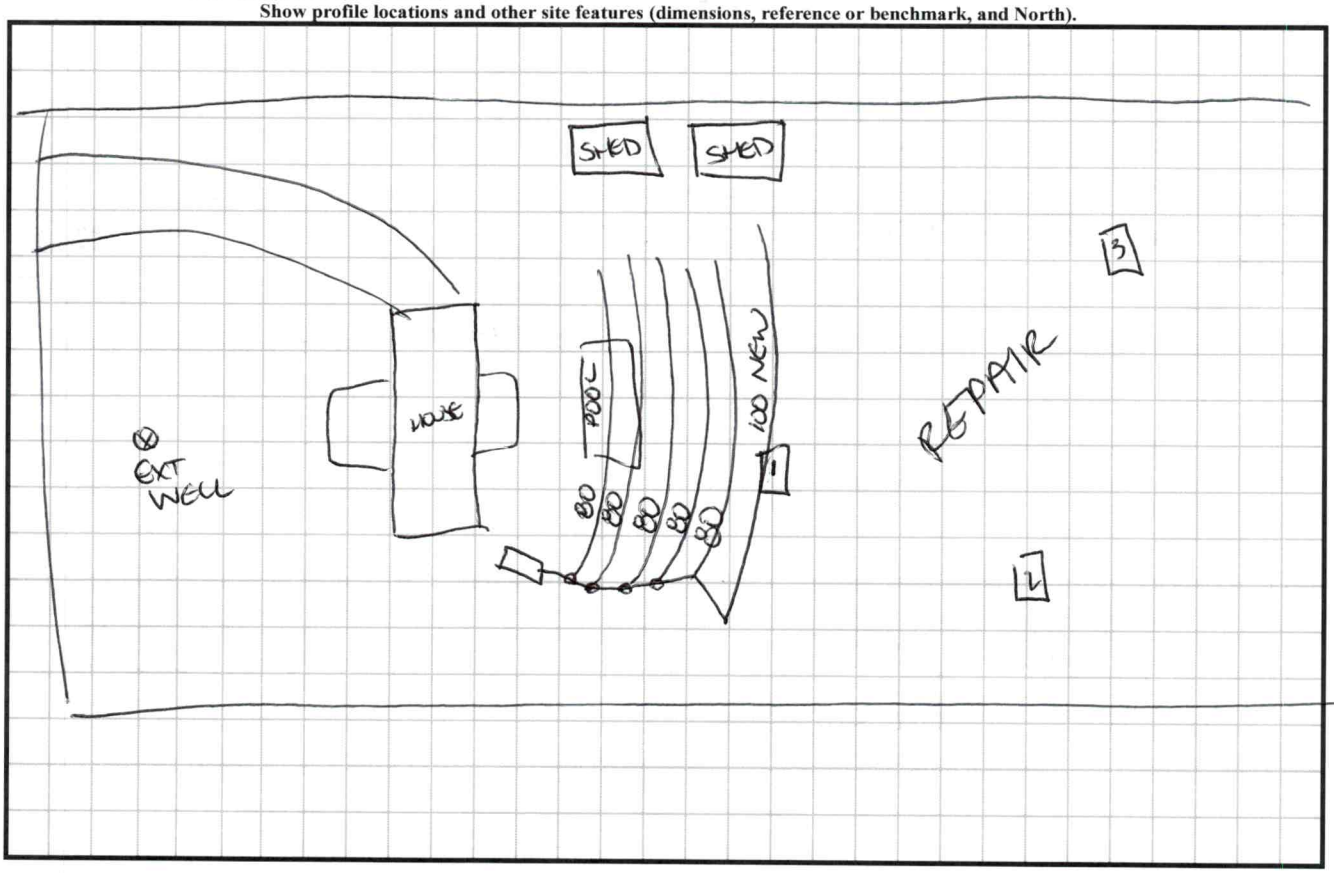
LEGEND

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-2025-70611 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/21/2025
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:**	Williams, Sarah	**Approval Expire Date:**	
Description:	Expand septic for 4 Bedrooms BEDROOMS	NO NEW CONSTRUCTION NO ZONING NEEDED EXISINTG 4			

Parcel: 4863301221.000 Main	**Address:** 153 Cheshire Ridge Rd Harmony, NC 28634 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Henri Estrada	Henri Estrada
427 Woodlawn Dr	427 Woodlawn Dr
Statesville, NC 28677	Statesville, NC 28677
Mobile: (240) 481-3985	Mobile: (240) 481-3985

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Expand septic to add bedrooms	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	na EXISTING
Maximum Number of Bedrooms	4	If other Addition/Structure, please explain		Number of Occupants	3
Foundation Type	Crawl Space Foundation	Water Supply	Existing 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		Additional Unique Setbacks Apply	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Henri_Estrada_2/21/2025.jpg	02/21/2025 15:37	Estrada, Henri		Uploaded via CSS
153 Cheshire auth_v1.pdf	02/24/2025 8:06	Estrada, Henri	Available Online	
BRN3C2AF404190F_20250227_132348_106319.pdf	02/27/2025 13:32	Fleming, Latasha	Available Online	Floor plans
153 CHESHIRE RIDGE DR EXISTING SEPTIC PERMIT 2021.pdf	02/27/2025 14:07	Fleming, Latasha	Available Online	Site Plan #2

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2025-286625	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	02/28/2025	03/03/2025 0:00	03/03/2025 0:00	03/03/2025 11:02	03/03/2025 11:02

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	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00041668	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00041668	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

PERMIT SNAPSHOT REPORT (OSWP-2025-70611)

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		02/27/2025 16:57	02/27/2025 16:57
Confirm application complete v.1	Generic Action		02/27/2025 16:57
Fees v.1		02/27/2025 16:57	02/27/2025 16:57
Issue Invoice v.1	Generic Action		02/27/2025 16:57
Fees Paid v.1	Generic Action		02/27/2025 16:57
~~**Zoning Review v.1**~~			02/27/2025 16:57
~~Floodplain Admin Overview v.1~~	Task		02/27/2025 16:57
~~Iredell County Zoning Approval v.1~~	Task		02/27/2025 16:57
~~Issue Invoice v.1~~	Generic Action		02/27/2025 16:57
~~Fees Paid v.1~~	Generic Action		02/27/2025 16:57
Lot Readiness Verification v.1		02/28/2025 11:14	
OSWP Septic Preliminary Site Visit v.1	Inspection	02/28/2025 11:14	02/28/2025 11:14
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		

1) 0-5 CL DIST SS SP SE FR
5-24 C SBK SS SP SE FR
24-34 CL ABK SS SP SE FR
34-49 ~~SE~~/ROCK/~~LITHO~~ ~~SS SP SE F;/VF;~~

(49) heavy LITHO/SAP 34"+ ROCK 34-49" S 0.3 19" TB

2) 0-7 CL DIST SS SP SE FR
7-~~24~~ 34 C SBK SS SP SE FR
~~24~~-36 CL WABK SS SP SE FR
36-48 VF; ~~SAP/APA~~ LITHO NS NP SE VF;

(36) heavy LITHO/SAP in CL 30"+ VFI SAP/PM 36"-48" S 0.3 21" TB

3) 0-9 CL SBK SS SP SE FR
9-30 C ABK SS SP SE FR
30-56 CL ABK SS SP SE FR

(56) heavy SAP in CL S 0.275

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT# 074951 PIN# 4862 39 6188 DATE 7-24-98

OWNER OR CONTRACTOR RICHARD SMITH PHONE: Business Home 546-5260

ADDRESS P.O. BOX 475 HARMONY, NC 28634

LOCATION I-77N, TR NC 901, TL WINTHROP CH. RD, TL CRATER, TR CARTWRIGHT, TL CHESHIRE RIDGE

SUBDIVISION CHESHIRE RIDGE BLOCK / SECTION LOT 30 LOT AREA 2.21 ACRES SITE CLASS PS DESIGN FLOW 360 L.T.A.R. 0.30 GPD/FT²

Septic Tank: 1000 Gallons; STB 1012 Date 5-27-98

Pump Tank: Gallons; PT Date

Pump Make: Model Serial No.

Nitrification Field: No Fields 1 Square Feet 1200 Linear Feet 400

No Lines FIVE Trench Width 36" Max Trench Bottom Depth 30" Gravel Depth 12"

☑ New System ☐ Repair System Type: I, II, III, IV, V, VI

System Description: CONVENTIONAL GRAVITY

Repair System Description: CONV. GRAVITY

Maintenance Agreement Required: ☐ Yes ☑ No

☐ House/Mod. Home ☑ Mobile Home ☐ Business ☐ Other FUTURE 3BR

No. Bedrooms 3 No. Bathrooms 2 No. Employees

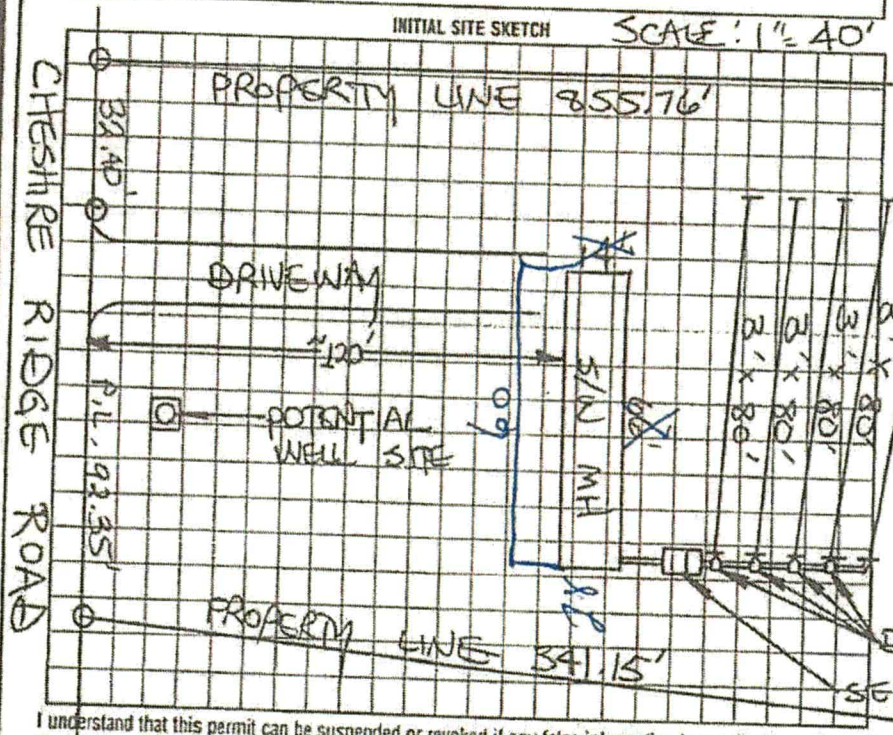
☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Individual ☐ Public ☐ Community WELL

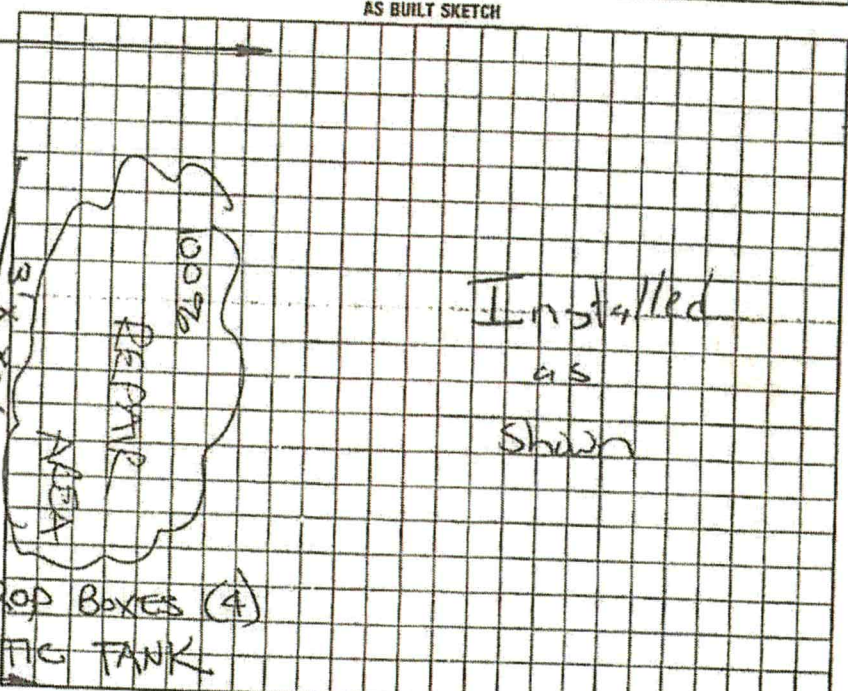
Comments/Conditions: ① INSTALL LINES ON CONTOUR AS FLAGGED, NO DEEPER THAN 30" ② KEEP SYSTEM MINIMUM 100' FROM WELL

Comments/Conditions:

INITIAL SITE SKETCH SCALE: 1" = 40'



AS BUILT SKETCH



I understand that this 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. Improvement Permit with plat valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: [signature] date 7-24-98

Improvement Permit by: STEVE HEDRICK date 7-24-98

Authorization to Construct by: STEVE HEDRICK date 7-24-98

Installed by: B. Galliher

Operation Permit by: [signature] date 8-3-98

Existing System Inspection by: date

HEALTH DEPT COPY WHITE INSPECTION COPY (FINAL) GREEN OWNER COPY (FINAL) YELLOW INSPECTION COPY (INITIAL) PINK OWNER COPY (INITIAL) GOLD

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP-308781

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

PIN # 4863-30-1221

APPLICANT/OWNER: RHINA REYES

APPLICANT ADDRESS: 3267 QUEENSTOWN DRIVE, MOUNT RAINIER, M.D. 20712, APARTMENT 101

SITE ADDRESS: 153 CHESHIRE RIDGE DRIVE, HARMONY, N.C. 28634

PHONE: 202-830-8838 ALT. PHONE — 240-481-3985

SITE DIRECTIONS: (N) ON 77, (R) ON 901, (L) ON WINTHROP, (L) ON CRATER, (R) ON CARTWRIGHT, (L) ON CHESHIRE RIDGE, LOT ON (L)

SAP CONTROLLED: ☐ YES ☐ NO EXT

SUBDIVISION: CHESHIRE RIDGE

SECTION: 2 LOT # 30 LOT AREA: 2.21AC DESIGN FLOW: EXT L.T.A.R.: EXT

Septic Tank	EXT	(gal)	STB	EXT	Date	EXT
Pump Tank	—	(gal)	PT	—	Date	—
Pump Make	—	Model	—	Serial #	—
# Nitrification Fields	1	# Lines	5	Linear Ft:	400FT
Trench Width	EXT	Trench Bottom Depth(Low side)	EXT	Gravel Depth	EXT

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

System Description: EXT - CONVENTIONAL

Repair System Description: EXT - CONVENTIONAL

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

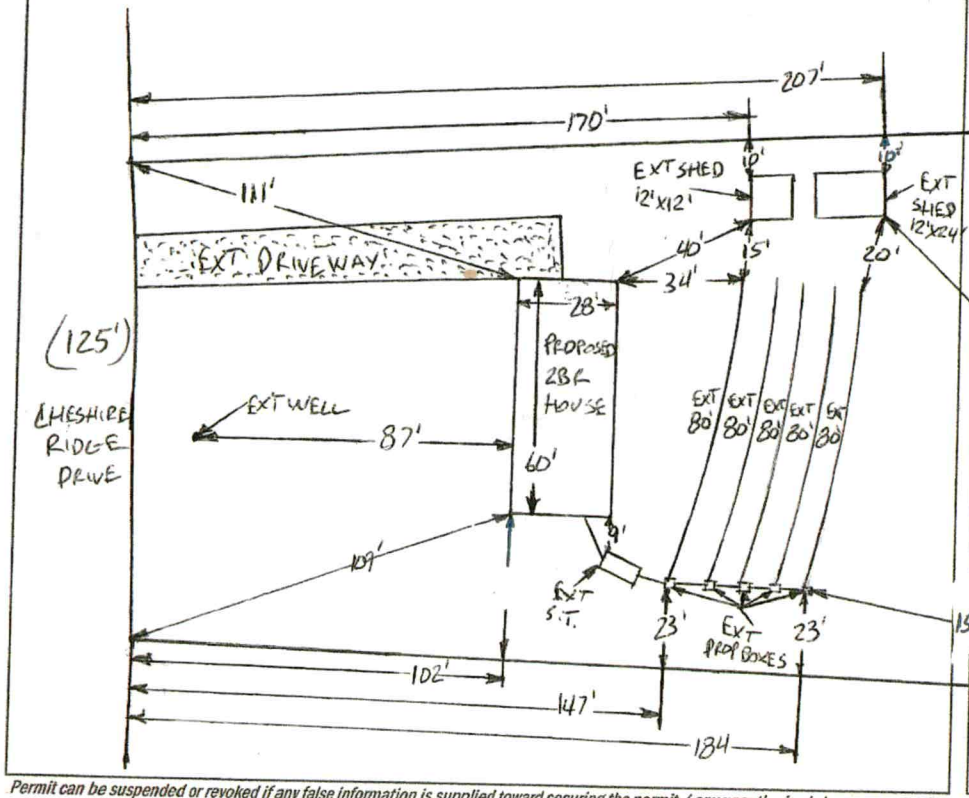
☑ Residence ☐ Business ☐ Other ☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement w/o plumbing

No. Bedrooms 2 | No. Persons 4 | No. Employees —

Water Supply: ☑ Private EXT ☐ Public ☐ Community

Comments / Conditions: SYSTEM APPEARED TO BE FUNCTIONING AT TIME OF INSPECTION

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 = 50 FT
S.T. = SEPTIC TANK
EXT = EXISTING

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: Rhina Estrada Date: 03-22-21

Installed by:

IMPROVEMENT PERMIT by: Date:

OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date:

Existing System Inspected by: Bryant C. White Date: 3-18-2021

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