ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BCW

BLDR 2024-56317

PERMIT ; OSWP 2023-34860

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

PIN # 4726 -60 -36081

APPLICANT/OWNER: Cathy Monaco APPLICANT ADDRESS: 148 Ridgeview Rd, Statesville 28625

SITE ADDRESS: 148 Ridgeview Rd, Statesville 28625 PHONE: ALT. PHONE

SITE DIRECTIONS: Scotts Creek - Miller Farm - Antler - Red Buck - Ridgeview

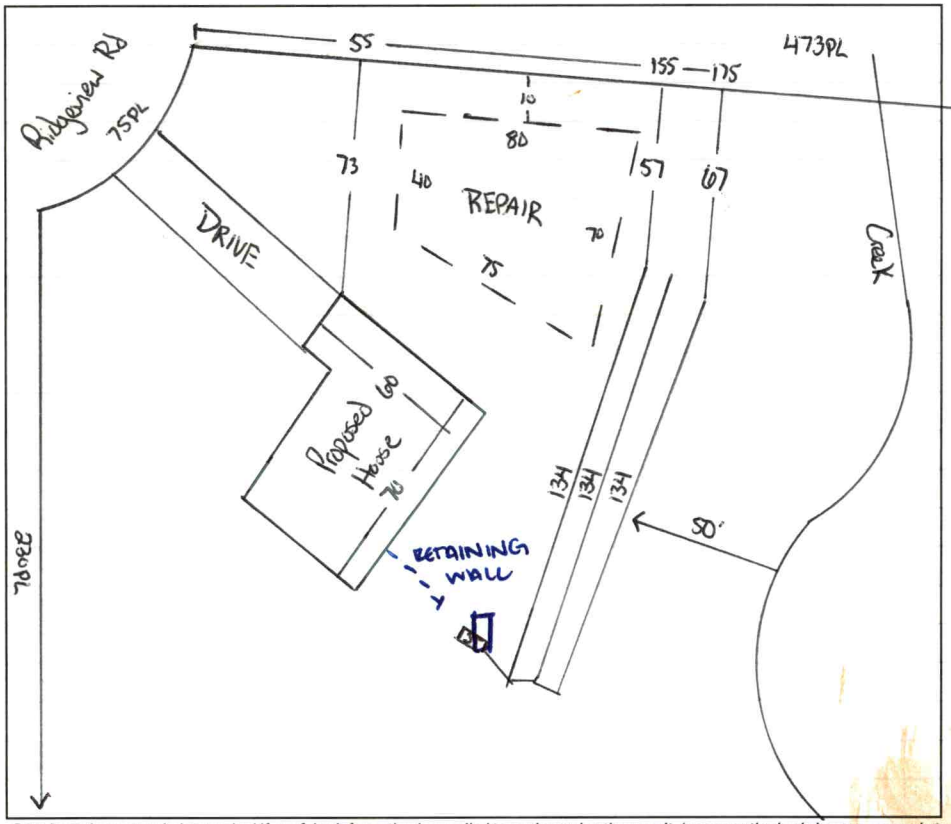
SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Deercroft SECTION: 3 LOT # 124 LOT AREA: 3.02 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.3

Septic Tank	1000 (gal)	STB	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:	25% reduction			☐ Business	No. Persons	8	☐ Private
Pump Make	Model		Serial #	Repair System Description:	50% reduction			☐ Other	No. Employees		☒ Public
# Nitrification Fields	1 # Lines	3	Linear Ft 420'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width	36in *Max. Trench Depth(Initial)	28in	*Max. Trench Depth(Repair) 28in	Gravel Depth –	☒ GRAVITY	☐ PRESSURE		☒ Basement w/plumbing			☐ Basement w/o plumbing
* Measured on the downhill side of the trench	Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40			Usable Depth to LC (Initial): 48in				Usable Depth to LC (Repair): 48 in			Limiting Condition

Comments / Conditions: Install on contour. Do not drive, park, or grade septic area.

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.*

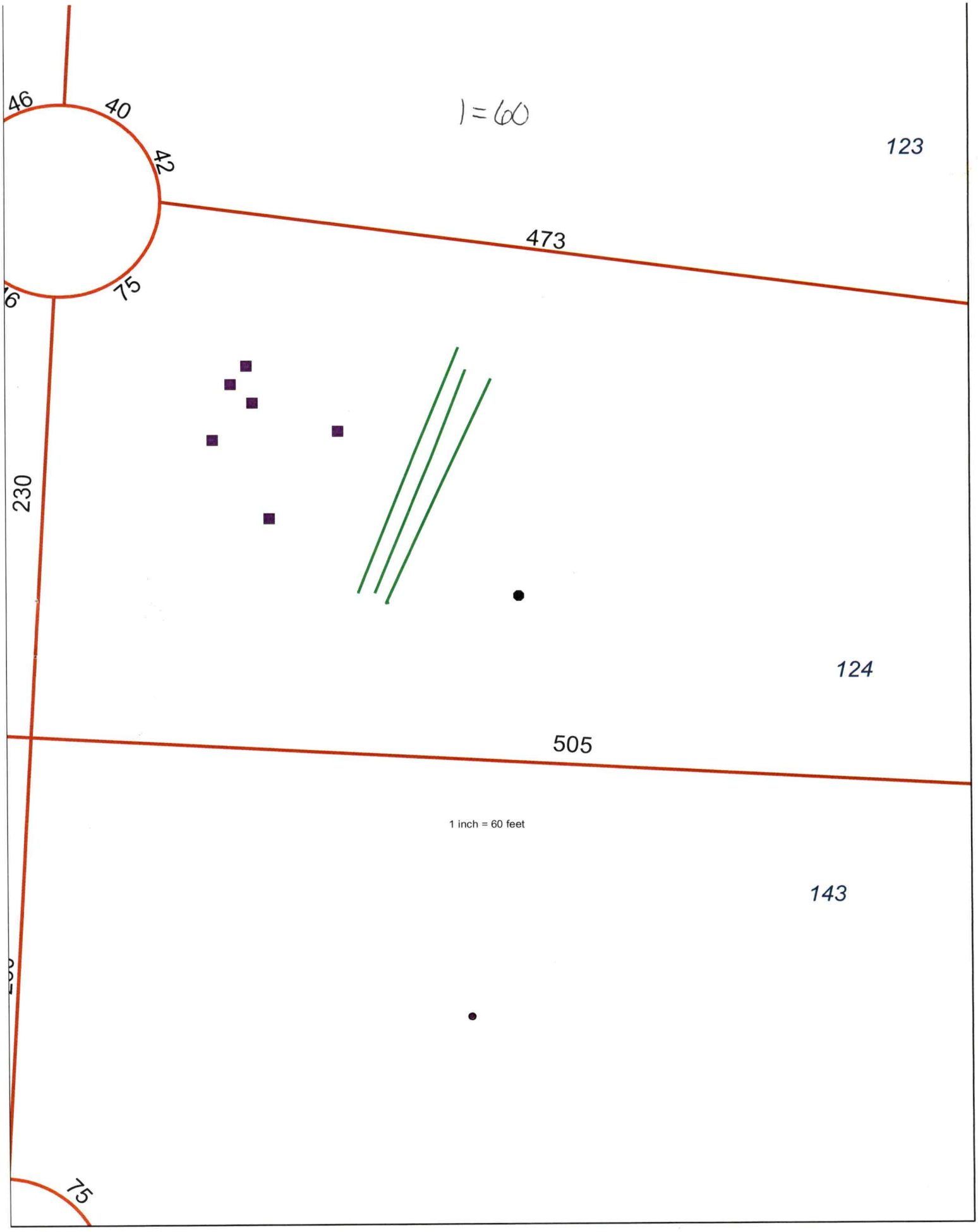
Owner / Applicant Signature: Online Signature Date: Installed by: Bahieem ✓ 5880

IMPROVEMENT PERMIT by: Cory Hill ✓ Date: 6/20/24 OPERATION PERMIT by: Sarah Williams ✓ Date: 1/17/25

AUTHORIZATION TO CONSTRUCT by: Cory Hill ✓ Date: 6/20/24 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? _____	


1=60
46
40
42
123
473
75
230
124
505
1 inch = 60 feet
143
75

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

Sheet 1 of 1
PROPERTY ID #: 4726003681
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM** * not a permit *
(Complete all fields in full)

OWNER: Cathy Monaco
ADDRESS: 148 Ridgeview
PROPOSED FACILITY: 4bdr home PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: 148 Ridgeview Rd, Statesville 28625

APPLICATION DATE 8/23/23
DATE EVALUATED: 12/20/23
PROPERTY SIZE: 3.02
PROPERTY RECORDED: yes

WATER SUPPLY: Private X Public Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X Sewage Industrial Process Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	Linear 12%	0 - 8	SCL SBK	SS SP FR SE	-	67	-	-	.3 PS
		8 - 42	C SBK	SS SP FR SE					
		42 - 67	CL SBK	SS SP FR SE					
2	Linear 10%	0 - 8	SCL SBK	SS SP FR SE	-	57	-	-	.3 PS
		8 - 28	C SBK	SS SP FR SE					
		28 - 57	CL SBK	SS SP FR SE					
3	Linear 10%	0 - 28	C SBK	SS SP FR SE	-	57	-	-	.3 PS
		28 - 57	CL SBK	SS SP FR SE					
4	Linear 12%	0 - 35	C SBK	SS SP FR SE	-	66	-	SAP increase in clay layer	.3 PS
		35 - 66	CL SBK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	50%
Site LTAR	.3	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT:

COMMENTS:

Updated February 2014

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.

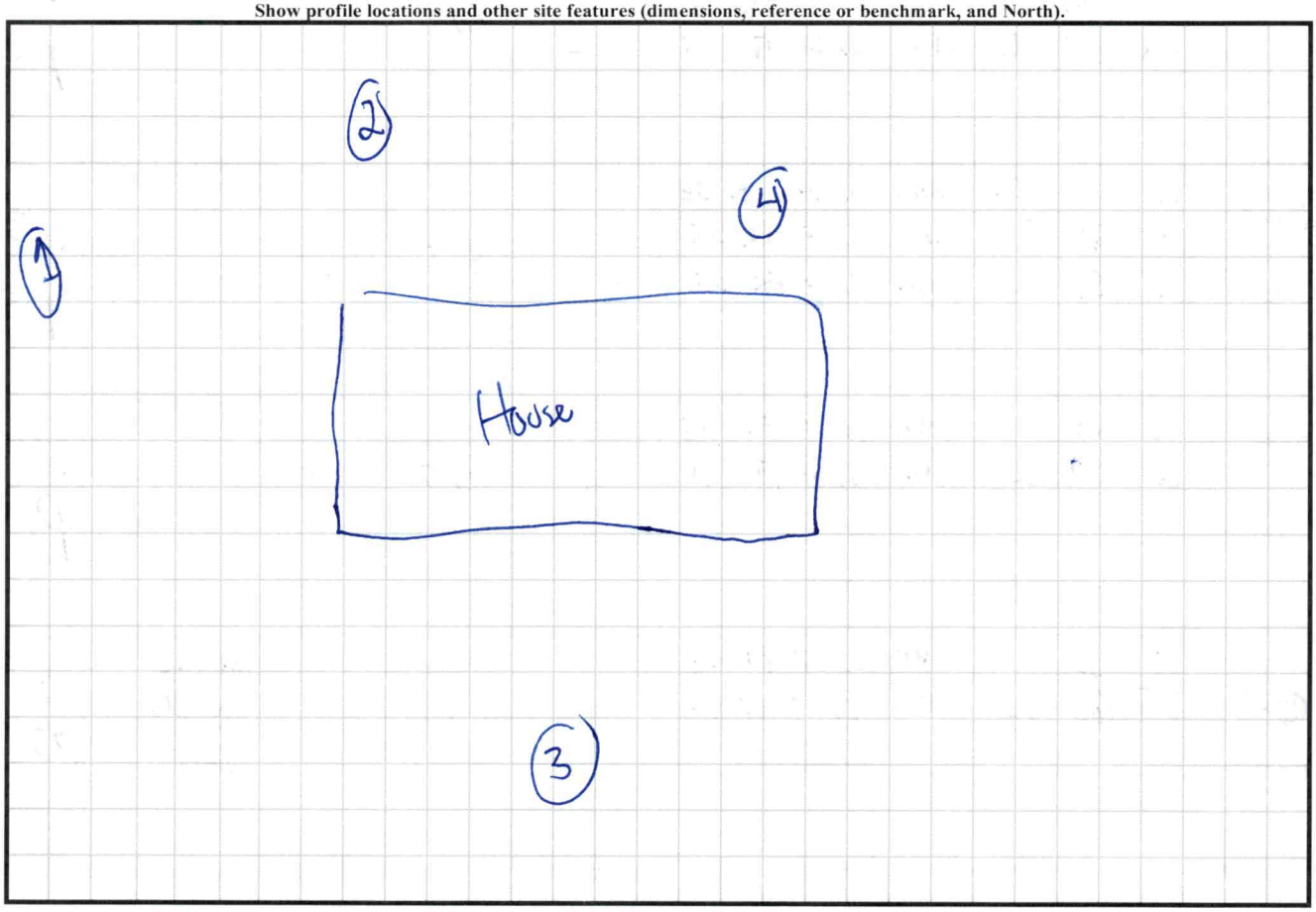
NOTES

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).



Updated February 2014

PERMIT SNAPSHOT REPORT OSWP-2023-34860 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: On Hold
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Whicker, Cory
App Date: 08/23/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:
Description: perc 10/31 Sent Email. Site visit, site ready 3 acre lot **see internal notes**GM

Parcel: 4726603681.000 Main
Address: 148 Ridgeview Rd Statesville, NC 28625 Main
Zone: RA(Residential Agricultural District)

Property Owner
Timothy Kinler
Home: (985) 246-9036
Business: (985) 246-9036
Mobile: (985) 246-9036

Applicant/Authorized Agent
Cathy Monaco
148 Ridgeview Road

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	70' x 54'
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	Basement with Plumbing
Residential/Business/Other	Residential	Water Supply	Municipal Water	Desired Septic System Type	Conventional (most common)
Has this project been approved by TRC	No	Lot Acreage	3.02	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Oct 30 2023 12:00AM	Zoning Permit Expiration Date	Apr 27 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	08/28/2023 15:31	OSWP-2023-34860	need setback measurements from all 4 sides of the property line	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Cathy_Monaco_8/23/2023.jpg	08/23/2023 17:23	Monaco, Cathy		Uploaded via CSS
148 Ridgeview rd - perk permission_v1.pdf	08/25/2023 10:48	Nebel, Barbara	Available Online	Authorize to Act as Agent
Monaco house plan_v1.pdf	09/21/2023 13:28	Horton, Amanda	Available Online	Floor Plan(s)
Monaco septic plan w setbacks labeled_v2.pdf	09/21/2023 13:28	Horton, Amanda	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-157395	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	10/31/2023	10/31/2023 0:00	10/31/2023 0:00	10/31/2023 12:37	10/31/2023 12:37

Inspectors: McLeod, Grace (Primary)

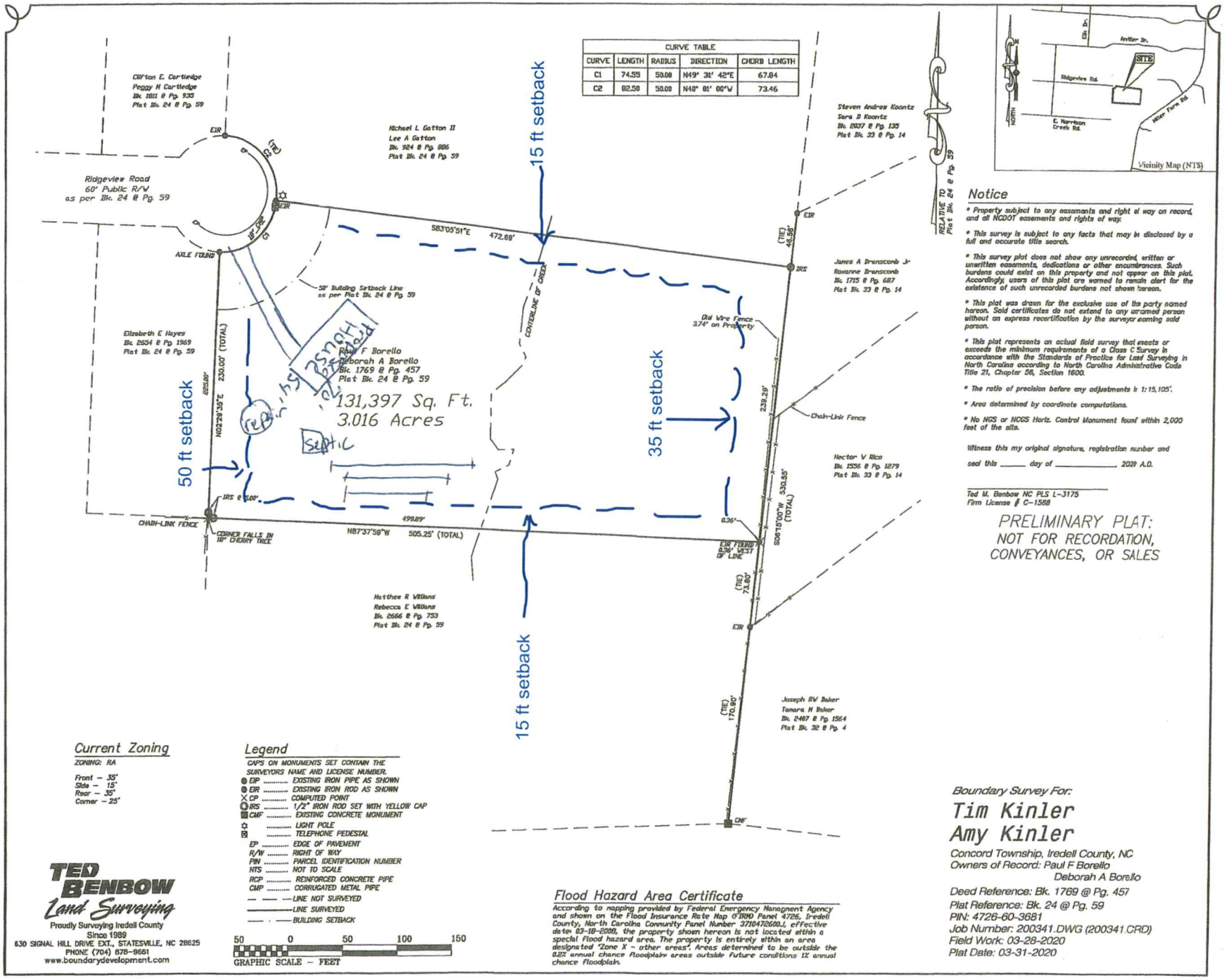
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

PERMIT SNAPSHOT REPORT (OSWP-2023-34860)

Note	Created By	Date and Time Created
1. 10/31 Sent Email. Site visit site ready. 3 acre lot Some of the HB on rt side in ravine. Culvert pipe in middle of lot you can cross over to get to back property line on top of hill. GM	Grace McLeod	10/31/2023 9:22
2. Sent email 11/2 to schedule test pits	Cory Whicker	11/02/2023 9:10

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00021068	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-00021068	$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		08/25/2023 10:49	08/25/2023 10:49
Confirm application complete v.1	Generic Action		08/25/2023 10:49
Fees v.1		09/21/2023 13:33	10/31/2023 8:10
Issue Invoice v.1	Generic Action		09/21/2023 13:33
Fees Paid v.1	Generic Action		10/31/2023 8:10
Lot Readiness Verification v.1		10/31/2023 12:36	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/31/2023 12:36	10/31/2023 12:37
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		08/25/2023 10:49	10/31/2023 8:02
~~Floodplain Admin Overview v.1~~	Task		09/21/2023 13:33
Iredell County Zoning Approval v.1	Task	08/25/2023 10:49	10/31/2023 8:02
Issue Invoice v.1	Generic Action		09/21/2023 13:33
Fees Paid v.1	Generic Action		10/31/2023 8:02
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		
State Authorization to Construct v.1	Generic Action		



Notice

* Property subject to any easements and right of way on record, and all NCDOT easements and rights of way.
* This survey is subject to any facts that may be disclosed by a full and accurate title search.
* This survey plat does not show any unrecorded, written or unwritten easements, dedications or other encumbrances. Such burdens could exist on this property and not appear on this plat. Accordingly, users of this plat are warned to remain alert for the existence of such unrecorded burdens not shown hereon.
* This plat was drawn for the exclusive use of the party named hereon. Said certificates do not extend to any unnamed person without an express recertification by the surveyor earning said person.
* This plat represents an actual field survey that exists or exceeds the minimum requirements of a Class C Survey in accordance with the Standards of Practice for Land Surveying in North Carolina according to North Carolina Administrative Code Title 21, Chapter 56, Section 1600.
* The ratio of precision before any adjustments is 1:15,105'.
* Area determined by coordinate computations.
* No NGS or NCGS Horiz. Control Monument found within 2,000 feet of the site.

Witness this my original signature, registration number and seal this _____ day of _____, 2020 A.D.

Ted M. Benbow NC PLS L-3175
Firm License # C-1588

PRELIMINARY PLAT:
NOT FOR RECORDATION,
CONVEYANCES, OR SALES

Current Zoning

ZONING: RA

Front – 35'
Side – 15'
Rear – 35'
Corner – 25'

Legend

CAPS ON MONUMENTS SET CONTAIN THE SURVEYORS NAME AND LICENSE NUMBER.

- EIP ..... EXISTING IRON PIPE AS SHOWN
- EIR ..... EXISTING IRON ROD AS SHOWN
- CP ..... COMPUTED POINT
- IRS ..... 1/2" IRON ROD SET WITH YELLOW CAP
- CMF ..... EXISTING CONCRETE MONUMENT
- ..... LIGHT POLE
- ..... TELEPHONE PEDESTAL
- EP ..... EDGE OF PAVEMENT
- R/W ..... RIGHT OF WAY
- PIN ..... PARCEL IDENTIFICATION NUMBER
- NTS ..... NOT TO SCALE
- RCP ..... REINFORCED CONCRETE PIPE
- CMP ..... CORRUGATED METAL PIPE
- — — — LINE NOT SURVEYED
- ———— LINE SURVEYED
- —— · —— BUILDING SETBACK

50 0 50 100 150
GRAPHIC SCALE – FEET

Flood Hazard Area Certificate

According to mapping provided by Federal Emergency Management Agency and shown on the Flood Insurance Rate Map (FIRM) Panel 4726, Iredell County, North Carolina Community Panel Number 3710472600J, effective date 03-18-2008, the property shown hereon is not located within a special flood hazard area. The property is entirely within an area designated "Zone X – other areas". Areas determined to be outside the 0.2% annual chance floodplain areas outside future conditions 1% annual chance floodplain.

TED BENBOW Land Surveying
Proudly Surveying Iredell County
Since 1989
630 SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878-9661
www.boundarydevelopment.com

Boundary Survey For:

Tim Kinler
Amy Kinler

Concord Township, Iredell County, NC
Owners of Record: Paul F Borello
Deborah A Borello
Deed Reference: Bk. 1769 @ Pg. 457
Plat Reference: Bk. 24 @ Pg. 59
PIN: 4726-60-3681
Job Number: 200341.DWG (200341.CRD)
Field Work: 03-28-2020
Plat Date: 03-31-2020