ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BCW BLDR-2023-395544

PERMIT # 2023-28570

PIN # 4718 -- 98 -- 9657

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

APPLICANT/OWNER: K Cone

APPLICANT ADDRESS: 184 Barringer Dr, Statesville

SITE ADDRESS: 185 Barringer Dr, Statesville 28625

PHONE: 704-773-2925 ALT. PHONE -

SITE DIRECTIONS: 115 N - Pisgah Church - Barringer

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: - SECTION: - LOT # - LOT AREA: 10.8 acres

DESIGN FLOW: 480 gpd L.T.A.R.: 0.3

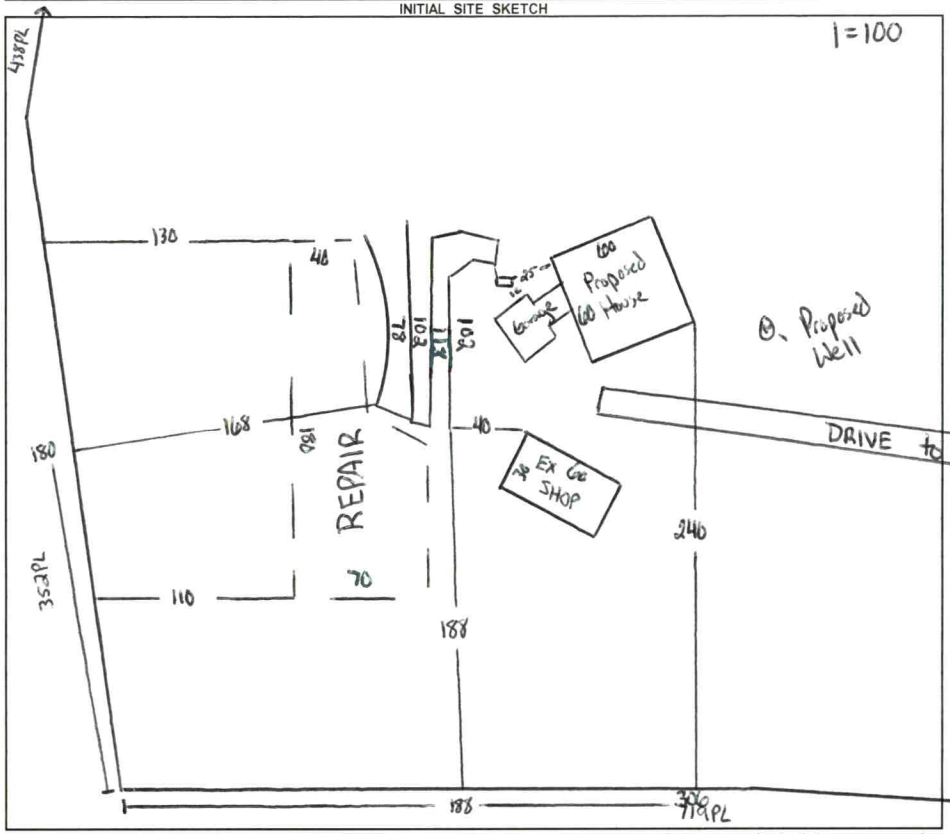
Septic Tank	1000	(gal)	STB	160	Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	25% reduction			
Pump Make			Model		Serial #		Repair System Description:	50% reduction			
# Nitrification Fields	1	# Lines	4	Linear Ft	400'		Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36 in	Trench Bottom Depth(Low side)	28 in	Gravel Depth	-			☒ GRAVITY	☐ PRESSURE		

☒ Residence	No. Bedrooms	4	**Water Supply**
☐ Business	No. Persons	8	☒ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☐ Crawl Space		☐ Community
☒ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Install on contour with the land. Do not grade, park, or drive on septic area. Must install 4 bedroom system.

* Grinder pump must be installed for basement plumbing *

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.

System flagged
Still at time of install - See GPS
Line 3 & 4 slightly further down hill

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: Harden Const. Taylor Rocks ✓

IMPROVEMENT PERMIT by: Cary Child ✓ Date: 9/20/23 OPERATION PERMIT by: D. Wieberg ✓ Date: 6/17/24

AUTHORIZATION TO CONSTRUCT by: Cary Child ✓ Date: 9/20/23 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 #: 4718989657
COUNTY: Iredell

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

Grinder Pump for basement plumbing

OWNER: K Cone
ADDRESS: 184 Baringer Dr
PROPOSED FACILITY: 4bd/r home
PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: 185 Baringer Dr, Statesville
APPLICATION DATE: 6/19/23
DATE EVALUATED: 7/18/23
PROPERTY SIZE: 16.8 acres
PROPERTY RECORDED: yes
WATER SUPPLY: Private Public X 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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Ridge 15%	0 - 7	SCL SBK	SS SP FR SE	—	48	Mang CL	inc in layer	3 - PS
		7 - 28	C SBK	SS SP FR SE			SAP CL	inc in layer	
		28 - 48	CL SBK	SS SP FR SE					
2	Ridge 10%	0 - 30	C SBK	SS SP FR SE	—	48	Heavy CL	SAP in layer	3 PS
		30 - 48	CL SBK	SS SP FR SE			Mang 25"	inc at	
3	Ridge 13%	0 - 8	SCL SBK	SS SP FR SE	—	48	Mang 30"	inc at	3 PS
		8 - 34	C ABK	SS SP FR SE					
		34 - 48	CL SBK	SS SP FR SE					
4	Linear 8%	0 - 8	SCL SBK	SS SP FR SE	—	48	—	—	3 PS
		8 - 28	C ABK	SS SP FR SE					
		28 - 48	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):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT: Bradley Moore

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.

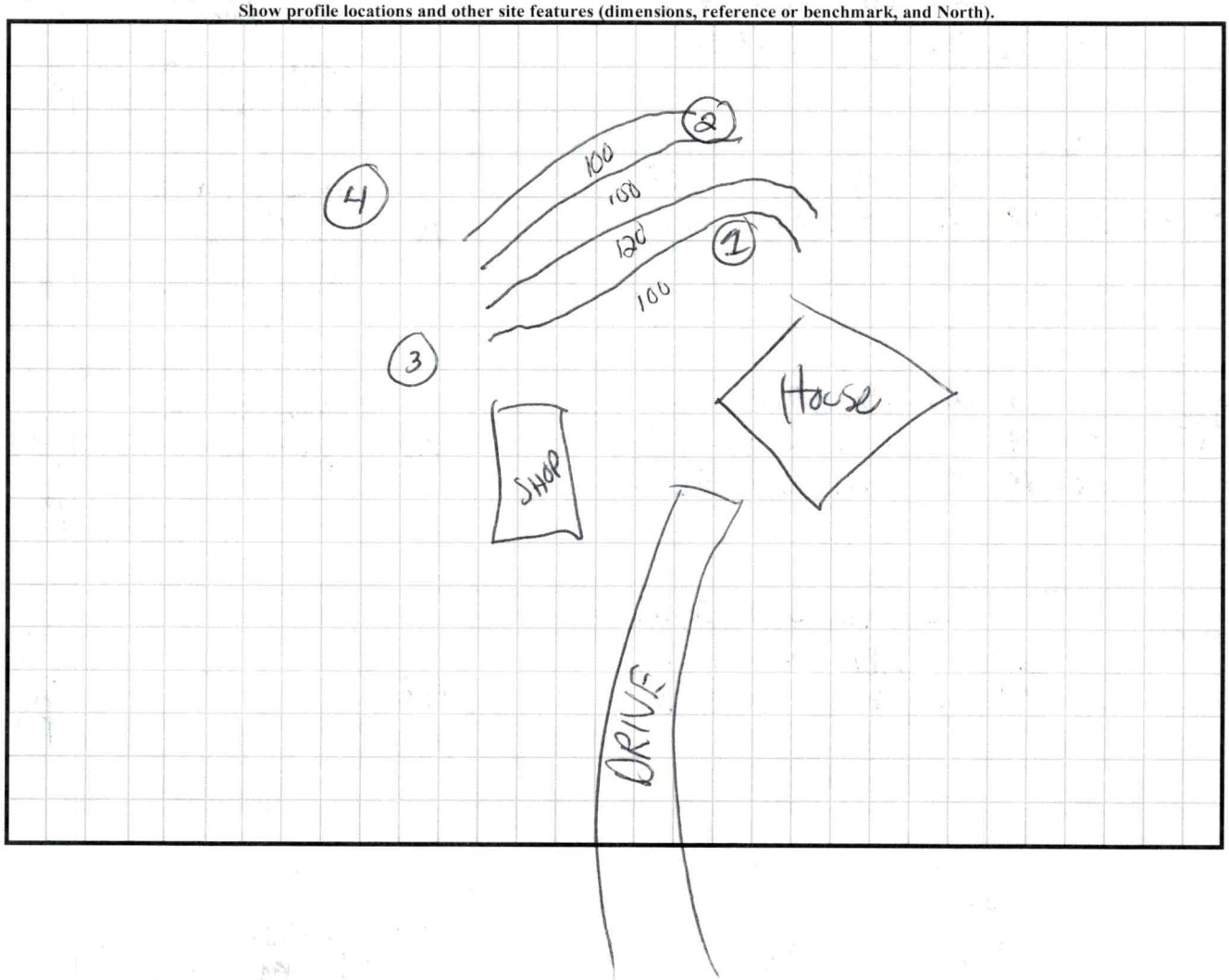
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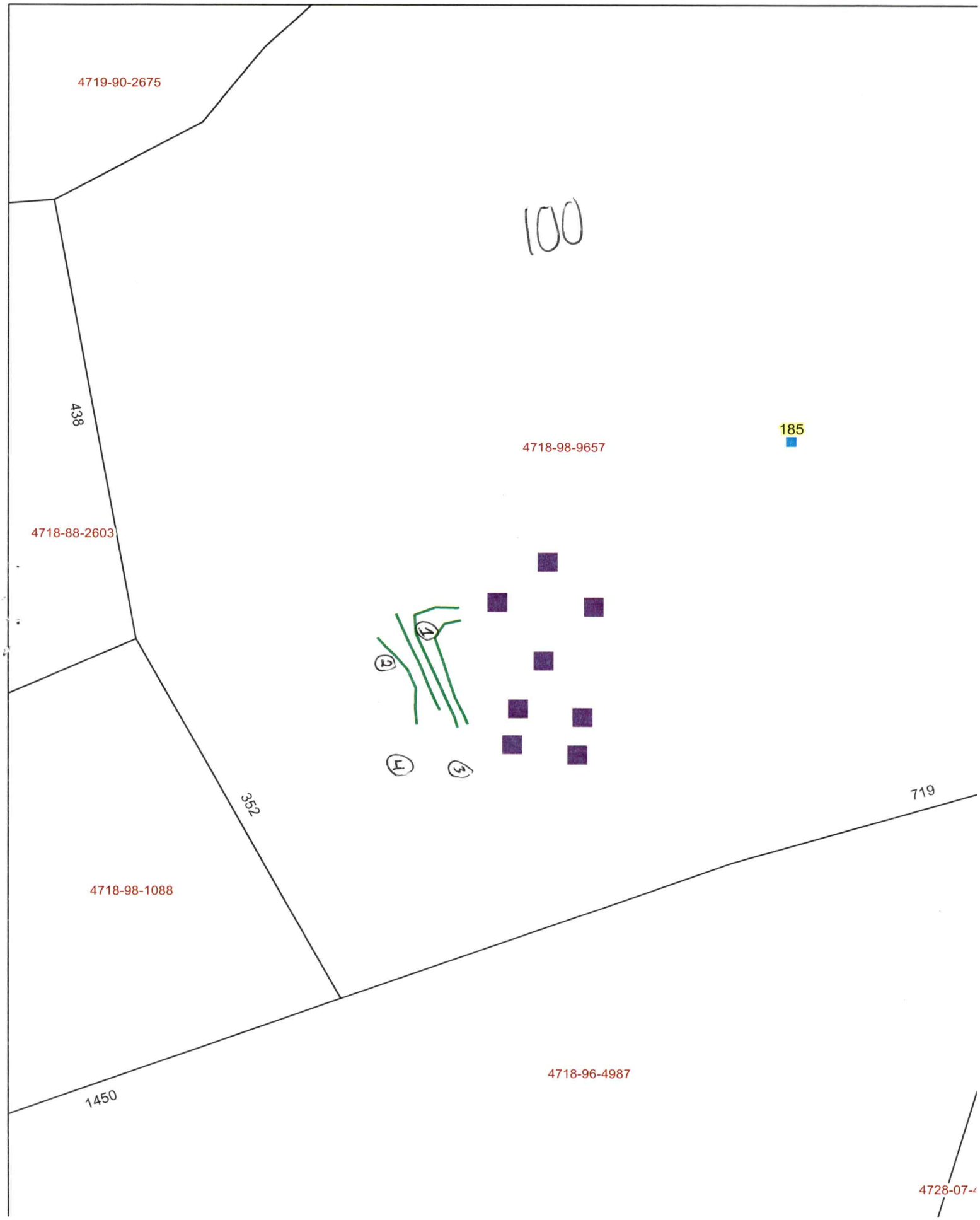
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).




4719-90-2675
100
438
185
4718-98-9657
4718-88-2603
352
719
4718-98-1088
1450
4718-96-4987
4728-07-4

PERMIT SNAPSHOT REPORT OSWP-2023-28570 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/19/2023
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:**	Whicker, Cory	**Approval Expire Date:**	

Description: Go down gravel road at end of cul-de-sac- This is a permit for the new home New septic system for a 4-bedroom home. Three bedrooms to be built initially with a fourth finished later. SENT EMAIL REQUESTING ADDRESS AND NEW SITE PLAN 06/20
per planning access via 184 Barringer Dr and pin 4728087922.000. i have attached the deed in the files.

Parcel: 4718989657.000 Main	**Address:** 185 Barringer Dr Main Statesville, NC 28625	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
PROVIDENCE PARTNERS II II	K. B CONE
8101 Tower Point Drive, STE 200 1234 Mann Drive Charlotte, NC 28227 Business: (704) 266-6621	184 Barringer Drive Statesville, NC 28625 Mobile: (704) 773-2925

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	House - 93'x44' Pool - 35'x15' Accessory Building - 32'x56'
What are the proposed structures	Accessory Building, New Single Family Residence, Swimming Pool	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	New Well	Desired Septic System Type	Conventional (most common)
Has this project been approved by TRC	No	Lot Acreage	16.8	Front Setback	35
Back Setback	35	Left Setback	15	Lake/Stream Setback	50
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	Zoning Notes/Addendums	Must meet both the 50-foot setback from the streambank and the 35-foot setback from the rear property line for any structure.	Additional Unique Setbacks Apply	Yes
Watershed	WSIV PA SOUTH YADKIN				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_K._CONE_6/19/2023.jpg	06/19/2023 15:36	CONE, K.		Uploaded via CSS
DOC TO AUTHORIZE AN OWNER 3_18_v1.pdf	06/20/2023 11:59	COMEAUX, DEBRA	Available Online	Authorize to Act as Agent
FLOOR PLAN SHEET_v1.pdf	06/22/2023 16:49	Williams, Deborah	Available Online	Floor Plan(s)
KBC SITE PLAN_v1.pdf	06/26/2023 14:50	Williams, Deborah	Available Online	Site Plan

PERMIT SNAPSHOT REPORT (OSWP-2023-28570)

Site plan with flood plain and topo_v3.pdf	06/26/2023 14:50	Williams, Deborah	Available Online	Site Plan
28570 01 deed.pdf	06/26/2023 14:53	Williams, Deborah	Available Online	
28570 deed.pdf	06/26/2023 14:53	Williams, Deborah	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-111569	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	07/07/2023	07/07/2023 0:00	07/07/2023 0:00	07/07/2023 14:30	07/07/2023 14:30

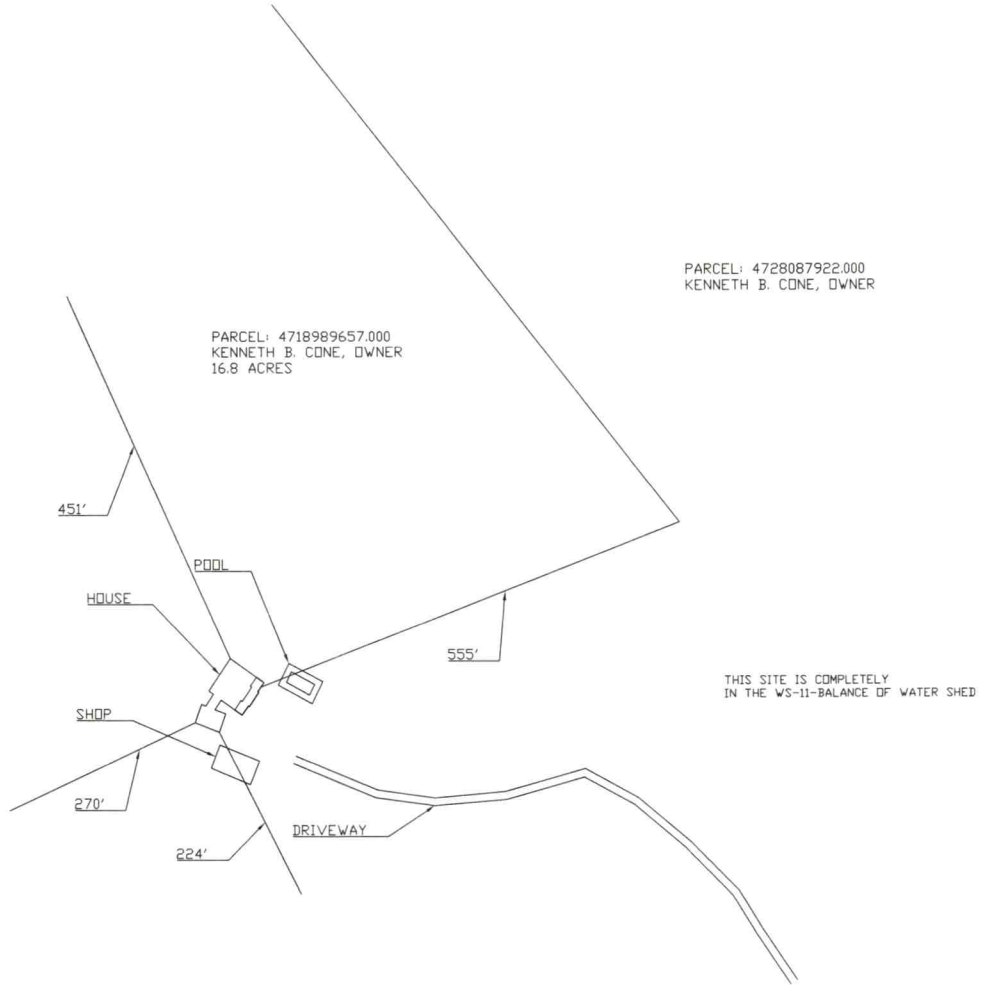
Inspectors: Holland, Sydney (Primary)

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. 7/5/23	Sydney Holland	07/05/2023 7:56

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00016438	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-00016438	$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		06/26/2023 15:15	06/26/2023 15:15
Confirm application complete v.1	Generic Action		06/26/2023 15:15
Fees v.1		06/30/2023 16:24	06/30/2023 16:24
Issue Invoice v.1	Generic Action		06/30/2023 16:24
Fees Paid v.1	Generic Action		06/30/2023 16:24
Zoning Review v.1		06/28/2023 12:30	06/28/2023 12:30
~~Floodplain Admin Overview v.1~~	Task		06/26/2023 15:15
Iredell County Zoning Approval v.1	Task	06/28/2023 12:30	06/28/2023 12:30
Issue Invoice v.1	Generic Action		06/28/2023 12:30
Fees Paid v.1	Generic Action		06/28/2023 12:30
Lot Readiness Verification v.1		07/07/2023 14:30	
OSWP Septic Preliminary Site Visit v.1	Inspection	07/07/2023 14:30	07/07/2023 14:30
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		


PARCEL: 4728087922.000
KENNETH B. CONE, OWNER
PARCEL: 4718989657.000
KENNETH B. CONE, OWNER
16.8 ACRES
451'
POOL
HOUSE
555'
THIS SITE IS COMPLETELY
IN THE WS-11-BALANCE OF WATER SHED
SHOP
270'
224'
DRIVEWAY