

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

County: Harnett

PIN/Lot Identifier: 0576-91-1720.000 / 120576 0021 29
Issued To: Jaqavius Cameron
Property Location: 124 Woods Edge Ln. Erwin NC 28339
AOWE/PE Plans/Evaluations Provided: Yes 🗹 No 🗌 If yes, name and license number of AOWE/PE: Thomas Boyce, 10006E
Facility Type: Single Family Home
✓ New
Basement? Yes V No Basement Fixtures? Yes V No
Type of Wastewater System** $\underline{III(g)}$ (Initial) $\underline{III(g)}$ (Repair)
Design Daily Flow: 360
Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies?
Installation Requirements/Conditions
Septic Tank Size: 1000 gallons Total Trench/Bed Length: 150 feet Trench/Bed Spacing: 9 feet on center
Drainfield square footage: 450 Trench/Bed Width: 36 inches LTAR: .6 gpd/ft²
Soil Cover: 6"+ inches Slope Adjusted Maximum Trench/Bed Depth: 24" inches
Aggregate Depth: N/A inches above pipe N/A inches below pipe N/A inches total
Pump Tank Size (if applicable): 1,000 if needed gallons Requires more than 1 pump? Yes V No
Pump Requirements: TBD ft. TDH vs. TBD GPM Grease Trap Size (if applicable): N/A gallons
Distribution Method: Serial D-Box or Parallel Pressure Manifold(s) LPP Other:
Artificial Drainage Required: Yes No 🗸 If yes, please specify details:
Legal Agreements (If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)
Multi-party Agreement Required [.1937(h)]: ☐ Yes
Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: Yes 🔽 No
Declaration of Restrictive Covenants: Yes No
**If applicable:
I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.
Owner/Legal Representative Print Name:
Owner/Legal Representative Signature: Jagavius Cameron Date: 07 / 28 / 2022
Pre-Construction Conference Required: Yes 🗹 No 🗌
Conditions: See attached permit conditions.
The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference
into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.
AOWE/PE Print Name: Thomas Boyce
AOWE/PE Signature: Sona Date: 7/28/22
This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).
See attached site sketch

		Co	ounty:
This Section for Local F	Health Departi	ment Use Only	
	4 50		
Initial submittal received:	Date	by Initials	=
Permit Number:			
G.S. 130A-335(a6) states the following: 'If a local health departs submitted pursuant to subsection (a5) of the section within 10 b department shall issue the construction authorization.'	ment fails to ad usiness days o	ct on an application f receipt of a com	on for a construction authorization plete application, the local health
In accordance with G.S. 130A-335(a5) the construction authorize	ation application	on is:	
☐ Incomplete (If box is checked, information in this section is	required.)		
The following items are missing:			
			*
Copies of this were sent to the AOWE/PE and the Owner on			
	Date		
State Authorized Agent:			Date:
☐ Denied (See attached report.)			
Copies of this were sent to the AOWE/PE and the Owner on			
	Date		
State Authorized Agent:			Date:
Complete			
		Dat	o of Issuance
State Authorized Agent:			
This Construction Authorization is issued pursuant to G.S. 130A evaluations attached here. This Construction Authorization is s changes, or if information submitted in the application was fals shall not be affected by a change in ownership of the site. This provisions of the Laws and Rules for Sewage Treatment and Disidentification of all property lines, easements, water lines, and Final landscaping shall be constructed to divert water and esta	subject to revo sified, inaccura s Construction sposal and to to other approp	cation if the site ate or misleading Authorization is the conditions of riate utilities sha	plan, plat, or the intended use . The Construction Authorization subject to compliance with the this permit. The location and
The Department, the Department's authorized agents, and the any liabilities, duties, and responsibilities imposed by statute or plans, evaluations, preconstruction conference findings, submit the General Statutes as a licensed engineer or a person certified Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), agents, and the local health departments shall be responsible a obligations under State law or rule, including the issuance of the Construction Authorization Evaluation Details	or in common littals, or action of pursuant to (a5), and (a7). and bear liabili ne operations p	aw from any clains from a person Article 5 of Chap The Department The for their action	m arising out of or attributed to licensed pursuant to Chapter 89C of ter 90A of the General Statutes as an t, the Department's authorized ns and evaluations and other
Construction Authorization Expiration Date:			
See attack	hed site sketch	1	

County	Harnett
IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11	
PIN/Lot Identifier: 0576-91-1720.000 / 120576 0021 29	
Issued To: Jaqavius Cameron	
Property Location: 124 Woods Edge Ln. Erwin NC 28339	
Subdivision: Lot #: Block:	Section:
LSS Report Provided: Yes ■ No □	
If yes, name and license number of LSS: Thomas Boyce, 1241	
New ■ Repair □ Expansion □ System Relocation □	
Proposed Structure: Single Family Home	
Proposed Wastewater System Type: III(g) (Initial)	(Repair)
Fill System: ☐ Yes ■ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system	area please provide a fill plan)
Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): .6 Proposed LTAR	R (Repair):6
Design Wastewater Strength: ■ domestic	
Number of bedrooms: 3 Number of Occupants: Max 6 Other:	
Pump Required: ☐ Yes ☐ No ■ May be required based upon final location and elevations of facilities	
Artificial Drainage Required: ☐ Yes ■ No If yes, please specify details:	- 1
Type of Water Supply: ■ Private well □ Public well □ Municipal Supply □ Spring □ Other:	
Drainfield location meets requirements of Rule .1945: Yes ■ No □	
Drainfield location meets requirements of Rule .1950: Yes ■ No □	
Permit valid for: ■ Five years [site plan submitted pursuant to GS 130A-334(13a)] □ No expiration [plat subm	nitted pursuant to GS 130A-334(7a)
Permit conditions:	
See attached permit conditions.	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Licensed Soil Scientist Print Name: Thomas Boyce	
h 0 3/	7/28/22
The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 1	3UA-335(aZ).
See attached site sketch	

	County:
This Section for Local Health Department Us	e Only
Initial submittal received: by	
Date	Initials
Permit Number:	
G.S. 130A-335(a4) states the following: 'If a local health department fails to act on an submitted pursuant to subsection (a3) of the section within 10 business days of receipt department shall issue the improvement permit.'	
In accordance with G.S. 130A-335(a3) the improvement permit application is:	
☐ Incomplete (If box is checked, information in this section is required.)	
The following items are missing:	, ,
Copies of this were sent to the LSS and the Owner on	
State Authorized Agent:	Date:
State Authorized Agent.	
☐ Denied (See attached report.)	
Copies of this were sent to the LSS and the Owner on	
Date	
State Authorized Agent:	Date:
□ Complete	
State Authorized Agent:	Date of Issuance:
This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) usi attached here. The issuance of this permit by the Health Department in no way gua permit holder is responsible for checking with appropriate governing bodies in meet revocation if the site plan, plat, or the intended use changes, or if information subminaccurate or misleading. The Improvement Permit shall not be affected by a chang subject to compliance with the provisions of the Laws and Rules for Sewage Treatmermit. The location and identification of all property lines, easements, water lines, responsibility of the owner. The Department, the Department's authorized agents, and the local health departmenty liabilities, duties, and responsibilities imposed by statute or in common law from evaluations, submittals, or actions from a licensed soil scientist or licensed geologist	trantees the issuance of other permits. The ting their requirements. This site is subject to litted in the application was falsified, the in ownership of the site. This permit is ent and Disposal and to conditions of this the and other appropriate utilities shall be the ments shall be discharged and released from meany claim arising out of or attributed to
Improvement Permit Expiration Date:	

See attached site sketch

NCLSS #1241 AOWE #10006E Thomas Boyce, LSS, REHS, AOWE Marlin Wastewater Services, LLC



(910)999-PUMP www.mseptic.com info@mseptic.com PO Box 865, West End NC, 27376

AOWE/SL2022-11 Permit Requirements

- Pre-construction conference with septic contractor required before beginning installation.
 The system must be installed/repaired by a septic system contractor approved by the AOWE.
- It is the responsibility of the contractor to contact the AOWE prior to installation.
- Systems shall not be installed in wet conditions or the permit will be revoked.
- Any changes to the proposed plans must be approved by the AOWE.
- Do not allow any traffic, construction, excavation, utilities, material storage, or any other disturbance to take place on the designated septic area or repair area. These activities may void your permit.
- The client/owner is responsible for marking any property lines and corners.
- The contractor is responsible for ensuring that the septic system is installed in the proper location and that all setbacks are met. See NCAC 18A . 1950 for setback requirements. The contractor is responsible for ensuring that the septic system is installed in accordance with local rules in counties where this is applicable.
- · The system installation must be inspected by the local health department at certain stages during the installation.
- For systems with pumps, the contractor is responsible for the proper installation of the electrical components.
 An electrical permit must be obtained and a person with a valid NC Electrical license must provide electrical service to the pump controller and alarm.
- This permit shall become invalid and/or may be revoked if the site is altered. There shall be no grading, cutting, logging or other soil
 disturbance in the septic area. Design does not guarantee functionality or future performance.
- The contractor is responsible for backfilling the system components so that no areas are subject to the retention or ponding of surface water. After the installation is completed, some settling of the backfill material may take place. The system owner is responsible for eliminating settled or sunken areas, stabilization, and final landscaping of the ground surface. No heavy equipment or vehicular traffic over the leach field.

Additional Requirements

- Installer to re-establish field layout prior to pre-construction conference for initial and repair systems as applicable.
- · Tanks must be leak tested by the manufacturer.
- Installer must be certified by NCOWCICB at appropriate grade level for system.
- Installer must carry adequate general liability insurance.

	Additional Nequilements.	
intenance Requirements: tem should be maintained in accordance very contents shall be pumped whenever the sometimes. Owner/Client Acknowledgement of Pe	olids level is found to be more than 1	1/3 of the liquid depth in any compartment.
Jaqavius Camerou Owner Signature	07 / 28 / 2022 Date	00000
Contractor Acknowledgement of Perm	iit Requirements	
I, laws, rules and conditions of this NC		ne system in accordance with all applicable
Contractor Signature	Date	_

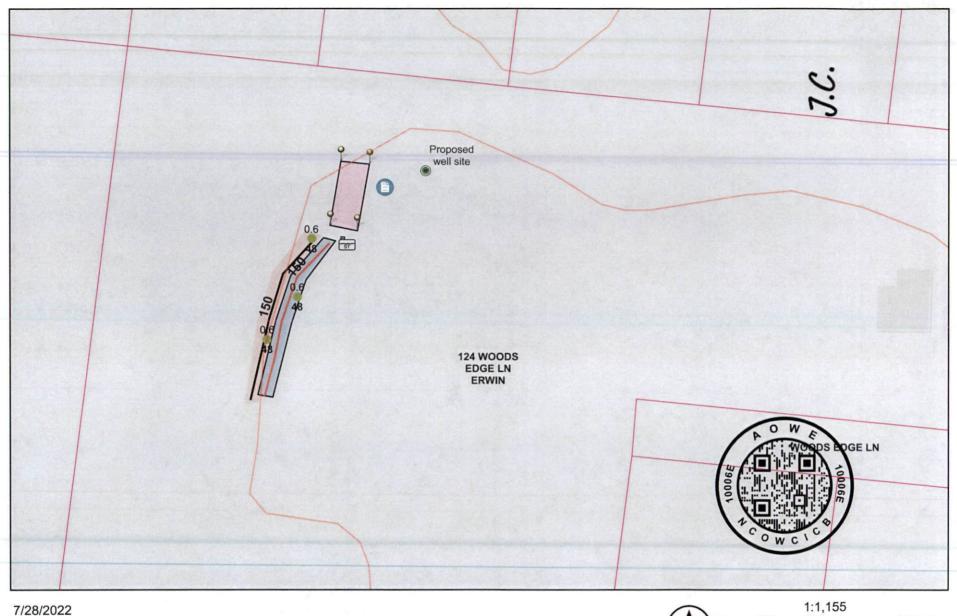
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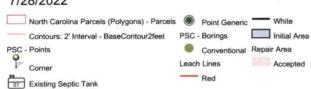
124 Woods Edge Borings

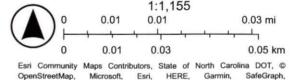
Long	-78.73562458776190	-78.73574897837760	-78.73566436695930
Lat	35.29349103732610	35.29325815111840	35.293356432719700
Boring_Type	Conventional	Conventional	Conventional
Slope	2-5	2-5	2-5
Landscape_Position	Linear	Linear	Linear
LTAR	0.6	0.6	0.6
Saprolite	No	No	No
Soil_Wetness	N/A	N/A	N/A
H1_Depth	48	48	48
H1_Texture	Sandy Loam	Sandy Loam	Sandy Loam
H1_Moist_Consistency	Loose	Loose	Loose
H1_Structure	Gr	Gr	Gr
H1_Mineralogy	Slightly Expansive	Slightly Expansive	Slightly Expansive
H1_Stickiness	Non Sticky	Slightly Sticky	Non Sticky
H1_Plasticity	Non Plastic	Slightly Plastic	Non Plastic
Usable_Depth	48	48	48

Septic_Tank_Capacity	1,000 Gallon
Pump_Tank_Capacity	
Initial_System_Type	Accepted
Line_Length_Initial	150'
Max_Depth_Initial	24
Repair_System_Type	Accepted
Line_Length_Repair	150'
Max_Depth_Repair	24
Distribution_Method	Parallel or Serial
Initial_LTAR	0.6
REDAIT LTAR	0.6
GPD SOF	360GPD - 3-Bedroom

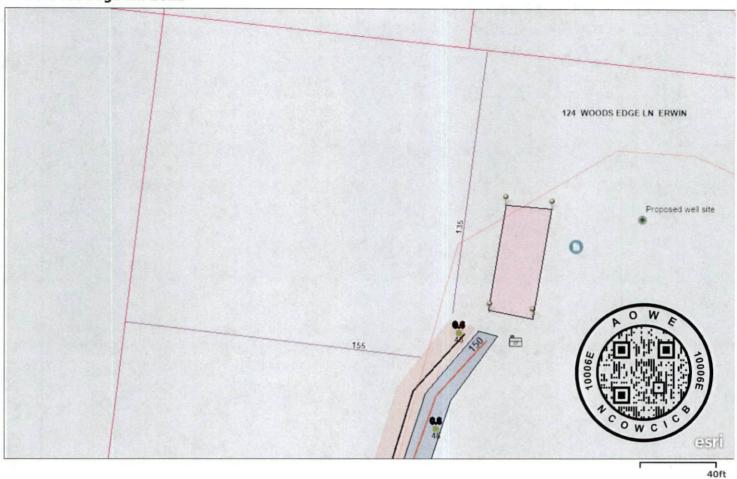
124 Woods Edge Ln 2022







124 Woods Edge Ln. 2022



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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/18/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to

	Terry Riney Agency, Inc. 11 Trotter Hills Circle Pinehurst		NC 28374-7930	PHONE (A/C, No, Ext): (910	R. Starr)295-1121 @rineyageno	FAX (A/C, No):	(910)	295-8980
						RDING COVERAGE		NAIC #
	1			INSURER A : Erie Ins	urance Exch	ange		26271
SU	ED			INSURER B:	A 24 A			
	Marlin Wastewater Service	s, LL(0	INSURER C:				- 1
	P.O. Box 865			INSURER D :				
	West End		NC 27376-	INSURER E :				
				INSURER F :	on the second			
01	ERAGES CER	TIFIC	ATE NUMBER:		T. Land	REVISION NUMBER:		4 1.
INI	IS IS TO CERTIFY THAT THE POLICIES OF DICATED. NOTWITHSTANDING ANY REC RTIFICATE MAY BE ISSUED OR MAY F CLUSIONS AND CONDITIONS OF SUCH	UIREM PERTA POLICI	MENT, TERM OR CONDITION O IN, THE INSURANCE AFFOR ES. LIMITS SHOWN MAY HAVI	OF ANY CONTRACT OR DED BY THE POLICIE	OTHER DOCU	IMENT WITH RESPECT TO	WHIC	CH THIS
R	TYPE OF INSURANCE	ADDL S	UBR NVD POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s	
1	X COMMERCIAL GENERAL LIABILITY		Q31-0122835		07/01/2022	EACH OCCURRENCE	\$	1,000,000
	CLAIMS-MADE X OCCUR		401012200	01101112021		DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	1,000,000
						MED EXP (Any one person)	s	5,000
						PERSONAL & ADV INJURY	s	1,000,000
1	GEN'L AGGREGATE LIMIT APPLIES PER:			GENERAL AGGREGATE		s	2,000,000	
1	X POLICY PRO-				PRODUCTS - COMP/OP AGG	s	2,000,000	
1	OTHER:					THOUSE COMMITTEE THOU	s	2,000,000
1	AUTOMOBILE LIABILITY		007.0422025	07/01/2021 07/01/2022 COMBINED (Ea accident	07/04/2022	COMBINED SINGLE LIMIT	s	1,000,000
1	X ANY AUTO		Q07-0132925	07/01/2021	01/01/2022	BODILY INJURY (Per person)	s	1,000,000
Ì	ALL OWNED SCHEDULED					BODILY INJURY (Per accident)	s	
ŀ	X HIRED AUTOS X NON-OWNED AUTOS					PROPERTY DAMAGE		
1	A HIRED AUTOS AUTOS					(Per accident)	s	
+	UMBRELLA LIAB OCCUP				200	51011000110051105		
1	- OCCOR					EACH OCCURRENCE	\$	
+	CLAIMS-MADE					AGGREGATE	\$	
+	DED RETENTION \$ WORKERS COMPENSATION	-	004 0404047	07/04/0004	07/04/0000	X PER OTH-	\$	
	AND EMPLOYERS' LIABILITY Y / N		Q91-0104617	07/01/2021	07/01/2022			1 000 000
	ANY PROPRIETOR/PARTNER/EXECUTIVE N	N/A				E.L. EACH ACCIDENT	\$	1,000,000
	Mandatory in NH) f ves. describe under					E.L. DISEASE - EA EMPLOYEE	100	1,000,000
+	f yes, describe under DESCRIPTION OF OPERATIONS below					E.L. DISEASE - POLICY LIMIT	\$	1,000,000
	Contractor's Errors & Ommissions		Q31-0122835	07/01/2021	07/01/2022	Each Occurrence Aggregate Deductible		1,000,000 1,000,000 1,000

CERTIFICATE HOLDER	CANCELLATION	AI 001118
XXXXXXXXXXX Sample Certificate	SHOULD ANY OF THE ABOVE DESCRIBED PO THE EXPIRATION DATE THEREOF, NOT ACCORDANCE WITH THE POLICY PROVISION	TICE WILL BE DELIVERED IN
XXXXXXXXXX	- AUTHORIZED REPRESENTATIVE	R. Starr

Fax:() -

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Markel Insurance Company



PROFESSIONAL LIABILITY INSURANCE DECLARATIONS

Claims Made and Reported Coverage: The coverage afforded by this policy is limited to liability for only those Claims that are first made against the Insured during the Policy Period or the Extended Reporting Period, if exercised, and reported to Markel Insurance Company during the Policy Period or the Extended Reporting Period, if exercised, or within 60 days after the expiration of the Policy Period or the Extended Reporting Period, if exercised.

Notice: This policy contains provisions that reduce the Limits of Liability stated in the policy by the costs of legal defense and permit legal defense costs to be applied against the deductible, unless the policy is amended by endorsement. Please read the policy carefully.

POLICY NUMBER: MEO1522-03

RENEWAL OF POLICY: MEO1522-02

NAMED INSURED: Thomas Boyce

BUSINESS ADDRESS: 2560 Silk Oak Rd Siler City, NC 27344

POLICY PERIOD:

From 10/15/2021 to 10/15/2022

12:01 A.M. Standard Time at address of Insured stated above.

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS POLICY, THE COMPANY AGREES WITH THE NAMED INSURED TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

1. PROFESSIONAL SERVICES: soil scientist

2. LIMITS OF LIABILITY

Professional Liability Coverage

A.	Each Claim:	\$1,000,000
B.	Policy Aggregate:	\$1,000,000
Ad	ditional Payments	

A.	Contingent Bodily Injury And Property Damage	\$0
B.	Pollution	\$10,000
C.	Pre-Claim Assistance Expenses	\$20,000
D.	Sexual Abuse	\$10,000
E.	Third Party Discrimination	\$25,000

Supplementary Payments

A.	Disciplinary Proceeding	\$25,000 per Policy Period
B.	Loss Of Earnings And Expense Reimbursement	\$10,000
C.	Public Relations Expenses	\$5,000
D.	Subpoena And Record Request Assistance	\$5,000

Producer	Number	Name and	Mailing	Address
liouucei	Hulling,	Haille allu	IVIAIIIIII	Audicaa

98496

Wade Associates, LLC. - New Bern

PO Box 1209

Davidson, NC, 28036

3. DEDUCTIBLE

A. Each Claim:

\$1,000

B. Aggregate:

\$3,000

4. RETROACTIVE DATE: 10/15/2019

5. PREMIUM RATE: Flat

PREMIUM BASE: \$15,000

6. PREMIUM FOR POLICY PERIOD

Minimum:

\$400.00

Deposit:

\$400.00

Adjusted Annual Premium:

\$400.00

7. PREMIUM PERCENTAGE FOR EXTENDED REPORTING PERIOD:

200%; 225%; 250%; 275%; 300% or

350%, of the total annual premium, respectively

ADDITIONAL PERIOD:

12 months; 24 months; 36 months;

48 months; 60 months; 72 months

8. FORMS AND ENDORSEMENTS ATTACHED AT POLICY INCEPTION:

See MDIL 1001 attached.

These declarations, together with the Coverage Form and any Endorsement(s), complete the above numbered policy.

ountersigned: 07/19/2021	
(Date)	
	By: John K clark

15A NCAC 18A .1950 LOCATION OF SANITARY SEWAGE SYSTEMS

(a) Every sanitary sewage treatment and disposal system shall be located at least the minimum horizontal distance from the following:

iig.		a 27 to 429
(1)	Any private water supply source, including any well or spring	100 feet;
(2)	Any public water supply source	100 feet;
(3)	Streams classified as WS-I	100 feet;
(4)	Waters classified as S.A.	100 feet, from
		mean high
		water mark;
(5)	Other coastal waters	50 feet, from
		mean high
		water mark;
(6)	Any other stream, canal, marsh, or other surface waters	50 feet;
(7)	Any Class I or Class II reservoir	100 feet, from
	•	normal pool
		elevation;
(8)	Any permanent storm water retention pond	50 feet, from
(-)	1	flood pool
		elevation;
(9)	Any other lake or pond	50 feet, from
. ,	CONTROL DESCRIPTION AND A CONTROL	normal pool
		elevation;
(10)	Any building foundation	5 feet;
(11)	Any basement	15 feet;
(12)	Any property line	10 feet;
(13)	Top of slope of embankments or cuts of 2 feet or more vertical height	15 feet;
(14)	Any water line	10 feet;
(15)	Drainage Systems:	
	(A) Interceptor drains, foundation drains, and storm water diversions	
	(i) upslope	10 feet,
	(ii) sideslope	15 feet, and
	(iii) downslope	25 feet;
	(B) Groundwater lowering ditches and devices	25 feet;
(16)	Any swimming pool	15 feet;
(17)	Any other nitrification field (except repair area)	20 feet;

- (b) Ground absorption sewage treatment and disposal systems may be located closer than 100 feet from a private water supply, except springs and uncased wells located downslope and used as a source of drinking water, for repairs, space limitations, and other site-planning considerations but shall be located the maximum feasible distance and in no case less than 50 feet.
- (c) Nitrification fields and repair areas shall not be located under paved areas or areas subject to vehicular traffic. If effluent is to be conveyed under areas subject to vehicular traffic, ductile iron or its equivalent pipe shall be used. However, pipe specified in Rule .1955 (e) may be used if a minimum of 30 inches of compacted cover is provided over the pipe.
- (d) In addition to the requirements of Paragraph (a) of this Rule, sites to be used for subsurface disposal for design units with flows over 3,000 gallons per day, as determined in Rule .1949 (a) or (b) of this Section, which include one or more nitrification fields with individual capacities of greater than 1,500 gallons per day, shall be located at least the minimum horizontal distance from the following:

(1)	Any Class I or II reservoir or any public water supply	
	source utilizing a shallow (under 50 feet) groundwater aquifer	500 feet;
(2)	Any other public water supply source, unless determined to utilize a confined aquifer	200 feet;
(3)	Any private water supply source, unless determined to utilize a confined aquifer	100 feet;
(4)	Waters classified as SA	200 feet, from
		mean high
		water mark;
(5)	Any waters classified as WS-I	200 feet;
(6)	Any surface waters classified as WS-II, WS-III, B, or SB	100 feet; and

(7)	Any property line	25 feet.				
	sewers, force mains, and supply lines shall be located at least t	ne minimum horizontal distance from	m the			
following:	TP.					
(1) Any public water supply source, including wells, springs,						
(-)	and Class I or Class II reservoirs	100 feet, unless				
	and Class I of Class II reservoirs	constructed of leakproof				
		pipe, such as ductile iron				
		pipe with mechanical				
		joints equivalent to				
		water main standards, in which cas				
		the minimum setback may be reduce				
		50 feet;	ccu to			
(2)	Any private water supply source including wells and springs	50 feet, unless				
(2)	Any private water supply source, including wells and springs	constructed of similar				
		leakproof pipe, such as				
		ductile iron pipe with				
		mechanical joints				
		equivalent to water main				
		standards, in which case				
		the minimum setback may				
(2)	1 'C 1 WG I WG II	be reduced to 25 feet;				
(3)	Any waters classified as WS-I, WS-II,	50.6				
	WS-III, B, SA, or SB	50 feet, unless				
		constructed of similar				
		leakproof pipe, such as				
		ductile iron pipe with				
		mechanical joints				
		equivalent to water main				
		standards, in which case				
		the minimum setback may				
		be reduced to 10 feet;				
(4)	Any other stream, canal, marsh, coastal	H L L L L L L L L L L L L L L L L L L L				
	waters, lakes and other impoundments, or other surface waters					
(5)	Any basement	10 feet;				
(6)	Any property line	5 feet;				
(7)	Top of slope of embankments or cuts of two feet or more verti	cal height 10 feet;				
(8)	Drainage Systems:					
	(A) Interceptor drains, storm drains, and storm water dive					
	(B) Ground-water lowering ditches and devices	10 feet;				
(9)	Any swimming pool	10 feet;				
(10)	Any other nitrification field	5 feet.				
(f) Sewer lines	may cross a water line if 18 inches clear separation distance is ma	intained, with the sewer line passing	under			

(f) Sewer lines may cross a water line if 18 inches clear separation distance is maintained, with the sewer line passing under the water line. When conditions prevent an 18-inch clear separation from being maintained or whenever it is necessary for the water line to cross under the sewer, the sewer line shall be constructed of ductile iron pipe or its equivalent and the water line shall be constructed of ferrous materials equivalent to water main standards for a distance of at least ten feet on each side of the point of crossing, with full sections of pipe centered at the point of crossing.

(g) Sewer lines may cross a storm drain if:

(1) 12 inches clear separation distance is maintained; or

(2) the sewer is of ductile iron pipe or encased in concrete or ductile iron pipe for at least five feet on either side of the crossing.

(h) Sewer lines may cross a stream if at least three feet of stable cover can be maintained or the sewer line is of ductile iron pipe or encased in concrete or ductile iron pipe for at least ten feet on either side of the crossing and protected against the normal range of high and low water conditions, including the 100-year flood/wave action. Aerial crossings shall be by ductile iron pipe with mechanical joints or steel pipe. Pipe shall be anchored for at least ten feet on either side of the crossing.

(i) Septic tanks, lift stations, wastewater treatment plants, sand filters, and other pretreatment systems shall not be located in areas subject to frequent flooding (areas inundated at a ten-year or less frequency) unless designed and installed to be watertight and to remain operable during a ten-year storm. Mechanical or electrical components of treatment systems shall be above the 100-year flood level or otherwise protected against a 100-year flood.

History Note:

Authority G.S. 130A-335(e) and (f);

Eff. July 1, 1982;

Amended Eff. January 1, 1990; October 1, 1982.

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