STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

November 2, 2026

MEMORANDUM TO: Division Environmental and Construction Units

FROM: Michael A. Turchy, ECAP Group Leader
Environmental Analysis Unit

SUBJECT: Environmental Permits for the Replacement of:
Replacement of Bridge 159 over Reems Creek on Blackberry Inn Road
(SR 2115) in Buncombe County, Division 13, WBS DF18313.2011262.PR

Please find enclosed the following permits for this project:

Agency	Permit Type	Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 3 Action ID: SAW-2026-01489 Dated October 13, 2026	March 14, 2031
NC Division of Water Resources Section 401 Water Quality Certification	Water Quality Certification No. 8562 [3] Project ID: 20261095 Dated August 31, 2026	expires with above Permit

Work is authorized by the above-referenced documents and must be accomplished in strict accordance with the permitted plans.

The Environmental Coordination and Permitting Group (ECAP) or the Division Environmental Office must be consulted if any deviation from the permit(s) or accompanying drawings is required.

The General Conditions and Certifications for Nationwide and Regional Permits can be referenced at: https://xfer.services.ncdot.gov/pdea/EnvironmentalPermits/_General_Conditions_and_Certifications/

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

Telephone: (919) 707-6000
Customer Service: 1-877-368-4968
Website: www.ncdot.gov

Location:
1000 BIRCH RIDGE DRIVE
RALEIGH NC 27610

404 Permit (USACE)

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
151 Patton Avenue, Room 208
Asheville, NC 28801-5006

October 27, 2026

Regulatory Division
SAW-2026-01489
Reverification #1

North Carolina Department of Transportation
Attn: Mr. Michael A. Turchy
Environmental Coordination and Permitting Group Leader
1598 Mail Service Center
Raleigh, North Carolina 27699-1598
Sent Via Email: maturchy@ncdot.gov

Dear Mr. Turchy,

This letter is in response to the application you submitted to the U.S. Army Corps of Engineers (USACE), Wilmington District, WRDA/Transportation Branch on August 18, 2026, for a Department of the Army general permit verification to replace a bridge that was damaged by **Hurricane Helene**. This project will replace **Bridge No. 159** over Reems Creek on SR 2115 in Buncombe County, North Carolina (35.7092, -82.4610) and has been assigned file number SAW-2026-01489. In order to perform this work, NCDOT proposes to conduct the following activities in waters of the U.S.:

Summary of Proposed Impacts

Impact ID #	NWP / GP #	Open Water (ac)		Wetland (ac)		Stream (lf)	
		Temporary	Permanent	Temporary	Permanent	Temporary	Permanent
Site 1 (Reems Creek)	**NPW 3**					**143' / bank stabilization** **110' / dewater**	**113' / bank stabilization**
Impact Totals		**0**	**0**	**0**	**0**	**253'**	**113'**
Total Loss of waters of the U.S. (wetlands and/or open waters)			**0**	Total Loss of waters of the U.S.			**0**
Required wetland compensatory mitigation			**0**	Required stream compensatory mitigation			**0**

We have reviewed the proposed activities in waters of the U.S. and have determined that the activities are authorized by Nationwide Permit (NWP) 3 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the following:

- enclosed NWP general conditions and regional conditions for NWP 3
- special conditions of the verification letter for this project (see below)
- information in the PCN and attachments
- enclosed plans

If the extent of the project area and/or nature of the authorized impacts to waters are modified, a request detailing the proposed changes must be submitted to this office for written approval before work is initiated. Any deviation from the terms and conditions of the permit, the special conditions of this letter, the information contained in the PCN, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until **March 15, 2031**, unless the subject NWP is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the NWP.

Project Specific Special Conditions:

1. This verification letter does not authorize you to take a federally listed species. In order to legally take a federally listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or a Biological Opinion (BO) under ESA Section 7, with "incidental take" provisions with which you must comply). The U.S. Fish and Wildlife Service (USFWS) issued a document titled, "Biological and Conference Opinions and Informal Consultions – Batch Format, Replace Multiple Crossing Structures Destroyed by Tropical Storm Helene in Buncombe, McDowell, Mitchell, Rutherford, and Yancey Counties, North Carolina, Service Log #25-249 through 25-263" on July 21, 2025. This document contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with incidental take for this project. Your authorization under this verification letter and NWP 3 is conditional upon your compliance with the mandatory terms and conditions associated with incidental take listed in this document for this project. Failure to comply with the terms and conditions associated with incidental take detailed in this document, where a take of a federally listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your verification letter and NWP 3. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its Opinion and with the ESA.

2. The permittee shall comply with conditions #1-5 of the attached letter from the North Carolina Wildlife Resources Commission dated August 19, 2026.

3. The permittee shall require its contractors and/or agents to comply with the terms and conditions of this authorization letter in the construction and maintenance of this project and shall provide each of its contractors and/or agents associated with the construction or maintenance of this project with a copy of this authorization letter, all conditions, and any authorized modifications. A copy of this authorization letter, all conditions, and any authorized modifications, shall be available at the project site during construction and maintenance of this project.

This general permit verification and any associated authorizations do not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Lori Beckwith, Regulatory Project Manager of the WRDA/Transportation Branch at 828-230-0483, by mail at the above address, or by email at loretta.a.beckwith@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at https://regulatory.ops.usace.army.mil/customer-service-survey/.

Sincerely,

M. Scott Jones, PWS
WRDA / Transportation Branch Chief
USACE, Wilmington District

Enclosures

U.S. Army Corps of Engineers (USACE)

CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT

For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.

Form Approved - OMB No. 0710-0003 Expires 2027-10-31

The Agency Disclosure Notice (ADN)

The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PURPOSE: This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.

Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Wilmington District, Regulatory Office.

The certification can be submitted by email at loretta.a.beckwith@usace.army.mil or by mail at the below address:

U.S. Army Corps of Engineers, Wilmington District
Asheville Field Office
Street Address: 151 Patton Avenue, Room 208
Asheville, North Carolina 28801-5006

Corps Action Number: SAW-2026-01489

Permit Type: General Permit

General Permit Number and Name (*if applicable*): NWP 3

Name of Permittee: NCDOT, Division of Highways

Project Name: NCDOT/Hurricane Helene/DF 18313.2011262.PR/Br 159/SR 2115/Buncombe/Div 13

Project Location (*physical address*): ~~Bridge 159, Reems Creek, SR 2115, Buncombe Co, NC~~

PERMITTEE'S CERTIFICATION

Date Work Started: _____

Date Work Completed: _____

Enclose photographs showing the completed project (*if available*).

I _____ hereby certify that the work authorized by the above referenced permit has been completed in accordance with all of the permit terms and conditions, and that any required compensatory mitigation has been completed in accordance with the permit conditions.

Name	Date	Signature

Excerpted from Biological Opinion as conditioned by USACE Condition No. 1.

7.3 Reasonable and Prudent Measures

The Service believes the following reasonable and prudent measure(s) are necessary and appropriate to minimize take of gray bat, Indiana bat, northern long-eared bat, and tricolored bat. These non-discretionary measures reduce the level of take associated with project activities and include only actions that occur within the action area.

1. NCDOT shall ensure that the contractor(s) understands and follows the measures listed in the "Conservation Measures", "Reasonable and Prudent Measures," and "Terms and Conditions" sections of this Opinion.
2. NCDOT shall minimize the area of disturbance within the action areas to only the area necessary for the safe and successful implementation of the proposed actions.
3. NCDOT shall monitor and document any take numbers and the surrogate measures of take and report those to the Service in a batched format.

7.4 Terms and Conditions

In order to be exempt from the prohibitions of section 9 of the ESA, the Applicant must comply with the following terms and conditions, which implement the reasonable and prudent measures described above and outline required reporting and/or monitoring requirements. When incidental take is anticipated, the terms and conditions must include provisions for monitoring project activities to determine the actual project effects on listed fish or wildlife species (50 CFR §402.14(i)(3)). These terms and conditions are nondiscretionary. If this conference opinion is adopted as a biological opinion following a listing or designation, these terms and conditions will be non-discretionary.

1. NCDOT shall adhere to all measures as listed in the Avoidance and Minimization and Conservation Measures section as summarized in this Opinion.
2. The NCDOT will immediately inform the Service if the amount or extent of incidental take in the incidental take statement is exceeded.
3. When incidental take is anticipated, the Terms and Conditions must include provisions for monitoring project activities to determine the actual project effects on listed fish or wildlife species (50 CFR §402.14(i)(3)). In order to monitor the impact of incidental take, the NDOT must report the action impacts on the species to the Service according to the following:
    a. The NCDOT will submit a report each year not later than September 30 identifying, per individual project (via Service Log # and NCDOT identifiers), the following for the preceding calendar year ending December 31:
        i. Acreage and dates of tree removal (if any), if LAA for bats (excepting gray bat).
        ii. Dates of structure removal (if any), if LAA for bats.
        iii. List of implemented AMMs and BMPs [as listed in Section 2.3].



North Carolina Wildlife Resources Commission

M. Kyle Briggs, Executive Director

August 19, 2026

Loretta Beckwith
U.S. Army Corps of Engineers, Asheville Regulatory Field Office
151 Patton Avenue, Room 208
Asheville, NC 28801

Amy Annino
401 and Buffer Transportation Permitting Branch
North Carolina Department of Environmental Quality
2090 U.S. 70 Highway, Swannanoa, NC 28778-8211

SUBJECT: Comments on Application for Replacement of Bridge 159 on Blackberry Inn Road (SR 2115) over Reems Creek, Buncombe County (**DF18313.2011262**), DWR 20261095 ver.1

The North Carolina Department of Transportation (NCDOT) applied for a 404 Permit and 401 Certification for the subject project. The North Carolina Wildlife Resources Commission's (NCWRC) comments are offered to help conserve the wildlife resources affected by the project and to promote wildlife-based recreation in accordance with applicable provisions of the Clean Water Act of 1977 (33 U.S.C. 466 et seq.) and the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661-667d).

The project will replace a timber deck on steel beam bridge over Reems Creek that was damaged by flooding from Hurricane Helene. The new structure will be a 30' span bridge.

In early 2026, NCWRC biologists sampled Reems Creek upstream of this bridge and only found wild Rainbow Trout (*Oncorhynchus mykiss*). Due to an older record for Brown Trout (*Salmo trutta*) we recommended a long trout moratorium for this project, but the shorter moratorium for Rainbow Trout may now be appropriate for construction on this part of Reems Creek. Therefore, the upcoming moratoria for Rainbow Trout (January 1, 2027 to April 15, 2027, and subsequent moratorium periods), should be adhered to for instream disturbance from this bridge work.

Mailing Address: Habitat Conservation • 1721 Mail Service Center • Raleigh, NC 27699-1721
Telephone: (919) 707-0220 • **Fax:** (919) 707-0028

The NCWRC requests that the following conditions be included in authorizations to help conserve trout and other aquatic resources affected by the project:

1. The upcoming moratoria for Rainbow Trout (January 1, 2027 to April 15, 2027, and subsequent moratorium periods), should be adhered to for instream disturbance.
2. Applicable measures from the current *NCDOT Erosion and Sediment Control Design and Construction Manual* should be adhered to.
3. In accordance with standard GC conditions, matting used in riparian areas should not contain nylon mesh because it entangles and kills wildlife. Coir matting should be used on disturbed stream banks that are steep or susceptible to high water. Matting should be anchored with wooden stakes according to NCDOT specifications.
4. Sandbags, rock berms, cofferdams, or other diversion structures should be used whenever possible to isolate flowing water from in-channel construction.
5. Following construction the temporary detour should be regraded, excess rip rap removed above bankfull, and the area reforested to minimize long term trout habitat impacts.

Thank you for the opportunity to review and provide recommendations on this project. Please contact me at david.mchenry@ncwildlife.gov or (828) 476-1966 if you have any questions about these comments.

Sincerely,



Dave McHenry, NCWRC Western DOT Coordinator

cc: Yates Allen, NCDOT Division 14 Environmental Specialist II
Mike Sanderson , NCDOT Division 14 Environmental Supervisor
Rob Crowther, PWS, NCDOT ECAP

401 Certification (NCDWR)

Docusign Envelope ID: E8D4D4AB-F495-8955-836F-0F9E0D414F18

JOSH STEIN
Governor
D. REID WILSON
Secretary
RICHARD E. ROGERS, JR.
Director

NORTH CAROLINA
Environmental Quality

August 31, 2026

DWR # 20261095
Buncombe County

North Carolina Department of Transportation
Attn: Mr. Rob Crowther
1598 Mail Service Center
Raleigh, NC 27699

Delivered via email to: recrowther@ncdot.gov

Subject: **Certificate of Coverage Approval under Water Quality General Certification No. 8562**
Replacement of Bridge 159 over Reems Creek on SR 2115 (Blackberry Inn Road); WBS DF 18313.2011262.PR.

Location: 35.709222, -82.461

Dear Mr. Rob Crowther:

This Certificate of Coverage approval is issued to Mr. Rob Crowther and North Carolina Department of Transportation (NCDOT), dated August 31, 2026. This Certificate of Coverage authorizes work under General Certification No. 8562 for the impacts listed below and described in your application which was received by the N.C. Division of Water Resources (Division or DWR) on August 17, 2026, with fee received on August 18, 2026, and subsequent information on August 31, 2026, and within the *Reasonable Period of Time* pursuant to 40 CFR Part 121.6. This certificate is for the purpose and design described in your application. This approval requires you to follow all the conditions listed in the enclosed General Certification No. 8562.

This Water Quality Certification shall expire on the same day as the expiration date of the corresponding Section 404 Permit that is current at the time this Certification is issued. The conditions shall remain in effect for the life of the project, regardless of the expiration date of this Water Quality Certification.

Upon completion of the proposed project, the applicant shall submit a Certificate of Completion and/or shall provide as-built documentation. Certificates of Completion and/or as-built documentation can be submitted via the DWR website: https://edocs.deq.nc.gov/Forms/Certificate-of-Completion.

The following impacts are hereby approved. No other impacts are approved, including incidental impacts. [15A NCAC 02H .0506(b)]

Docusign Envelope ID: E8D4D4AB-F495-8955-836F-0F9E0D414F18

Type of Impact	Amount Approved Permanent	Amount Approved Temporary	Mitigation Amount Required
Perennial Streams			
Site 1 / Reems Creek / Dewatering downstream of bridge	0 linear feet	10 linear feet	0 credits
Site 1A / Reems Creek / Bank stabilization for bridge	113 linear feet	0 linear feet	0 credits
Site 1B / Reems Creek / Dewatering upstream of bridge	0 linear feet	10 linear feet	0 credits
Site 1C / Reems Creek / Dewatering downstream of detour bridge	0 linear feet	10 linear feet	0 credits
Site 1D / Reems Creek / Bank stabilization for detour bridge	0 linear feet	213 linear feet	0 credits
Site 1E / Reems Creek / Dewatering upstream of detour bridge	0 linear feet	10 linear feet	0 credits
Totals:	*113 linear feet*	*183 linear feet*	*0 credits*

Notice regarding the right to contest this 401 Water Quality Certification decision is attached to this letter.

This letter completes the Division's review under Section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Amy Annino at 828-296-4668 or amy.annino@deq.nc.gov if you have any questions or concerns.

Sincerely,

Signed by:
Faith Hardin
3185423002EA45E...

Faith Hardin, Supervisor
401 & Buffer Permitting Transportation Branch
Division of Water Resources, NCDEQ

Enclosures: Notice Regarding The Right To Contest A DWR 401 Water Quality Certification Decision And/Or Buffer Authorization
GC 8562

Docusign Envelope ID: E8D4D4AB-F495-8955-836F-0F9E0D414F18

Electronic cc: Lori Beckwith, USACE Asheville Regulatory Field Office
Holland Youngman, USFWS Asheville Field Office
Dave McHenry, NCWRC
Mike Sanderson, NCDOT Division 13 Environmental Officer
DWR 401 & Buffer Permitting Branch Electronic file

Docusign Envelope ID: E8D4D4AB-F495-8955-836F-0F9E0D414F18

NOTICE REGARDING THE RIGHT TO CONTEST A DWR 401 WATER QUALITY CERTIFICATION AND/OR BUFFER AUTHORIZATION

Right of Persons Aggrieved to File a Contested Case for the Decision on a 401 Water Quality Certification and/or Buffer Authorization:
The Division's decision is subject to review under NCGS 150B-23.

Rights of Persons Aggrieved to File a Contested Case: Pursuant to NCGS 150B, Article 3, a party or person aggrieved may commence a contested case by filing a petition under NCGS 150B-23 in the Office of Administrative Hearings within 60 days after the Division provides notice of its decision on an application, as provided in NCGS 150B-23(f). If no contested case is commenced within the required time, the Division's decision is final and is not subject to review.

General Filing Instructions: A petition for contested case hearing must be in the form of a written petition, conforming to NCGS 150B-23, and filed with the Office of Administrative Hearings, 1711 New Hope Church Road, Raleigh NC, 27609, along with a fee in an amount provided in NCGS 150B-23.2. A petition for contested case hearing form may be obtained upon request from the Office of Administrative Hearings or on its website at https://www.oah.nc.gov/hearings-division/filing/hearing-forms. Additional specific instructions for filing a petition are set forth at 26 NCAC Chapter 03.

Service Instructions: A party filing a contested case is required to serve a copy of the petition, by any means authorized under 26 NCAC 03 .0102, on the process agent for the Department of Environmental Quality:

Daniel Hirschman, General Counsel
North Carolina Department of Environmental Quality
1601 Mail Service Center
Raleigh, North Carolina 27699-1601

If the party filing the petition is a person aggrieved other than the recipient of the certificate (the "Permittee"), the party must also serve the Permittee in accordance with NCGS 150B-23(a).

Be aware that other rules or laws may apply to the filing of a petition for a contested case. Additional information is available at https://www.oah.nc.gov/hearings-division/hearing-process/filing-contested-case. Please contact the Office of Administrative Hearings at (984) 236-1850 with all questions regarding the filing fee and/or the details of the filing process.

Permitted Drawings

North Carolina Department of Transportation

Highway Stormwater Program

STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS

(Version 3.03; Released June 1, 2026)

WBS Element: DF18313.2011262.PR **TIP/Proj No:** 100159 **County(ies):** Buncombe

General Project Information

WBS Element:	DF18313.2011262.PR	**TIP Number:**	100159	**Project Type:**	Bridge Replacement	**Date:**	6/18/2026
NCDOT Contact:	Joel M. Davis	**Contractor / Designer:**	DRMP, Inc.				
Address:	Assistant Division Bridge Program Manager 20 Old 74 Asheville, NC 28803	**Address:**	5808 Faringdon Place Suite 100 Raleigh, NC 27609				
Phone:	(828) 488-0902	**Phone:**	(919) 650-1038				
Email:	jmdavis4@ncdot.gov	**Email:**	rmitchell@drmp.com				
City/Town:	Unincorporated	**County(ies):**	Buncombe				
River Basin(s):	French Broad	**CAMA County?**	No				
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	0.07	**Surrounding Land Use:**	Rural with forested land and a few residential parcels				
	Proposed Project			**Existing Site**			
Project Built-Upon Area (ac.)	0.20	ac.		0.2	ac.		
Typical Cross Section Description:	Typical Section includes two 9-foot lanes with 2-foot shoulders and a crowned roadway section sloping at 2% from the centerline. Runoff is conveyed by roadside grassed ditches with 4:1 side slopes. The bridge section provides a 20-foot clear roadway with timber bridge rails.			The existing site consists of an approximately 18-foot wide roadway with grass shoulders approaching an existing 21' overall length, 25' wide timber deck bridge supported by I-beams and vertical concrete abutments.			
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:		Year:	Existing:		Year:	

General Project Narrative: (Description of Minimization of Water Quality Impacts)

The North Carolina Department of Transportation (NCDOT) proposes to replace Bridge No. 100159 on SR 2115 (Blackberry Inn Road) over Reems Creek in Buncombe County, east of Weaverville, North Carolina. The project consists of an in-line replacement of the existing bridge utilizing an on-site detour bridge to maintain traffic during construction. Associated roadway, drainage, and stream stabilization improvements are proposed within the project limits, including roadway ditch grading, channel tie-ins, and bank stabilization measures adjacent to the bridge approaches. Riprap stabilization and streambed excavation have been incorporated at drainage outlets, bridge embankments, and disturbed channel areas to minimize erosion and maintain channel stability. Temporary impacts associated with the detour bridge and construction access will be restored to pre-construction contours and stabilized upon completion of construction. NCDOT standards for erosion control, ground cover, vegetation establishment, and slope stabilization will be implemented throughout the duration of the project in accordance with the project Erosion and Sediment Control Plan.

North Carolina Department of Transportation

Highway Stormwater Program

STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS

(Version 3.03; Released June 1, 2026)

WBS Element: DF18313.2011262.PR **TIP/Proj No.:** 100159 **County(ies):** Buncombe

General Project Information

Waterbody Information

Surface Water Body (1):	Reems Creek		**NCDWR Stream Index No.:**	6-87-(1)		
NCDWR Surface Water Classification for Water Body		**Primary Classification:**	Class C			
		Supplemental Classification:	Trout Waters (Tr)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species Habitat?	Yes	Comments:	Hellbender, Longsolid, Appalachian Elktoe			
NRTR Stream ID:				**Buffer Rules in Effect:**	N/A	
Project Includes Bridge Spanning Water Body?	Yes	**Deck Drains Discharge Over Buffer?**	N/A	**Dissipator Pads Provided in Buffer?**	No	
Deck Drains Discharge Over Water Body?	No	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

Surface Water Body (2):			**NCDWR Stream Index No.:**			
NCDWR Surface Water Classification for Water Body		**Primary Classification:**				
		Supplemental Classification:				
Other Stream Classification:						
Impairments:						
Aquatic T&E Species Habitat?		Comments:				
NRTR Stream ID:				**Buffer Rules in Effect:**		
Project Includes Bridge Spanning Water Body?		**Deck Drains Discharge Over Buffer?**		**Dissipator Pads Provided in Buffer?**		
Deck Drains Discharge Over Water Body?		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

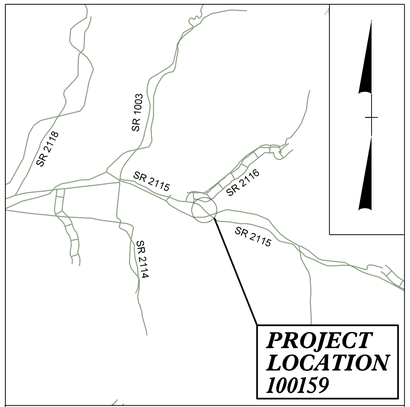
Surface Water Body (3):			**NCDWR Stream Index No.:**			
NCDWR Surface Water Classification for Water Body		**Primary Classification:**				
		Supplemental Classification:				
Other Stream Classification:						
Impairments:						
Aquatic T&E Species Habitat?		Comments:				
NRTR Stream ID:				**Buffer Rules in Effect:**		
Project Includes Bridge Spanning Water Body?		**Deck Drains Discharge Over Buffer?**		**Dissipator Pads Provided in Buffer?**		
Deck Drains Discharge Over Water Body?		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)		
(If yes, provide justification in the General Project Narrative)						

01/16/24

PROJECT: 100159

CONTRACT: C205122

See Sheet 1A For Index of Sheets



VICINITY MAP (NTS)

PRELIMINARY ROADWAY PLANS
SUBMITTAL NO. S-0002
FEBRUARY 27, 2026

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	100159	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
DF18313.2011262.PR	HELENE	P.E.

PERMIT DRAWING
SHEET 1 OF 6

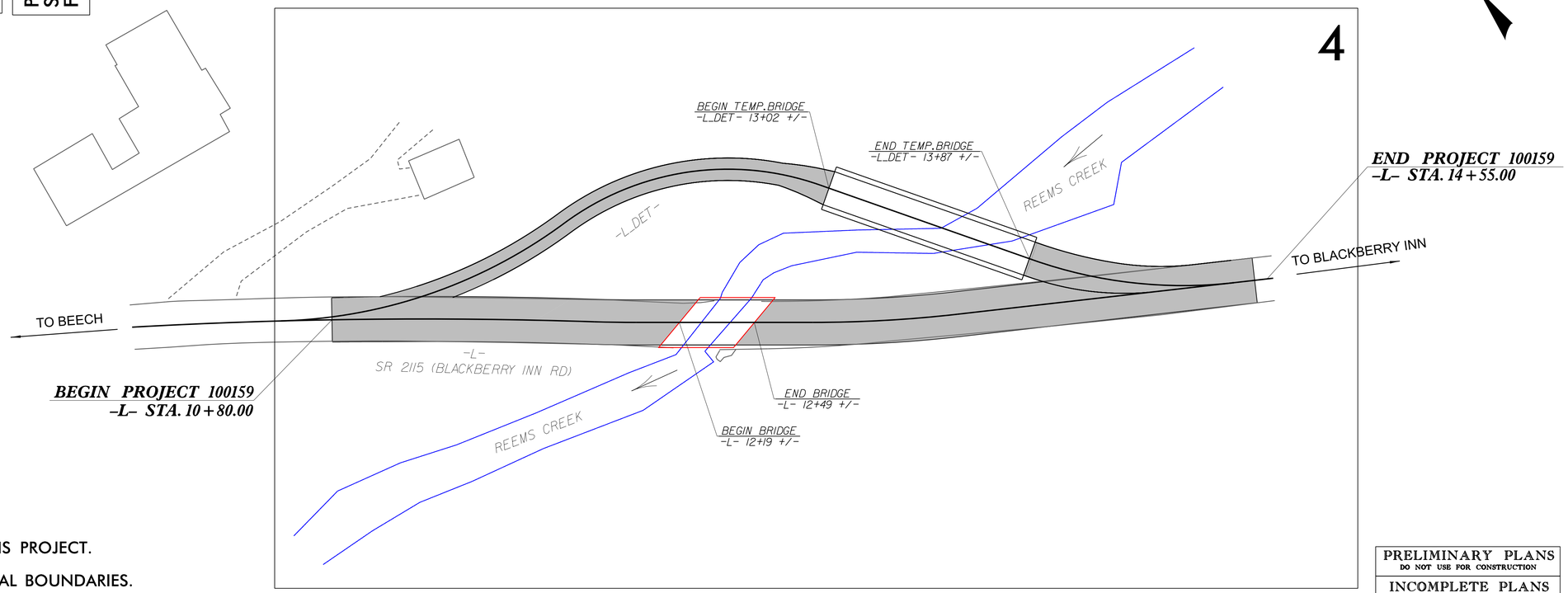
LOCATION: *REPLACE BRIDGE NO. 100159 ON SR 2115 (BLACKBERRY INN ROAD) OVER REEMS CREEK*

TYPE OF WORK: *GRADING, DRAINAGE, PAVING, STRUCTURE*

JUNE 2026

WETLAND AND SURFACE WATER IMPACTS PERMIT

NAD 83
NA 2011



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.

THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II MODIFIED.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES

20 10 0 20 40
PLANS

20 10 0 20 40
PROFILE (HORIZONTAL)

4 2 0 4 8
PROFILE (VERTICAL)

DESIGN DATA

ADT 2025 = 230
ADT = N/A
K = N/A %
D = N/A %
T = N/A % *
V = 40 MPH
* TTST = DUAL
FUNC CLASS =
LOCAL
SUB-REGIONAL

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 100159 = 0.065 MILES

LENGTH OF STRUCTURE PROJECT 100159 = 0.006 MILES

TOTAL LENGTH OF PROJECT 100159 = 0.071 MILES

PLANS PREPARED BY:

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DRMP, INC.
5808 FARINGDON PLACE, SUITE 100
RALEIGH, NORTH CAROLINA 27609
(919) 872-5115
NC LICENSE NO. F-1524

FOR
NCDOT ALTERNATIVE DELIVERY UNIT

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

TIMOTHY A. KLOTZ, PE
PROJECT ENGINEER

COOPER A. BOLZ, EI
PROJECT DESIGN ENGINEER

ROB COUSINS, PE
NCDOT PROJECT MANAGER

HYDRAULICS ENGINEER

SIGNATURE: *P.E.*

ROADWAY DESIGN ENGINEER

SIGNATURE: *P.E.*

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

11/14/23

PERMIT DRAWING
SHEET 2 OF 6

CONSTRUCT BANK AT 2:1
SLOPE WITH RIP RAP
ELEV. = 2509.2'
EST. 68 CY EXCAVATION
EST. 34 TONS CLASS II RIP RAP
EST. 411 SF GEOTEXTILE FABRIC

CL. II RIP RAP
-L_DET- 13+29, 20' LT
ELEV. = 2510.4'
EST. 68 TON
EST. 815 SF
GEOTEXTILE FABRIC

BEGIN TEMP. BRIDGE
-L_DET- 13+02 +/-

WILLIAM E. SEVIER, ETAL
DB 1434 PG 4
PB 53 PG 21

EXCAVATE TO
STREAMBED
ELEV. = 2509.8'
EST. 68 CY
EST. 72 TONS CL. II RIP RAP
EST. 72 SF GEOTECTILE FABRIC

CAMERON W. CANTRELL, ETAL
DB 5885 PG 694
PB 38 PG 70

END TEMP. BRIDGE
-L_DET- 13+87 +/-

CL. II RIP RAP
-L_DET- 13+95, 12' LT
ELEV. = 2513.5'
EST. 14 TON
EST. 160 SF GEOTEXTILE FABRIC

+/- 0.13 MI TO SAWYER COVE RD

1SFD
FFE= 2507.96'
LAG= 2504.39'
CAROL L. HILLEY
DB 1654 PG 541
SPECIAL LATERAL 'V' DITCH SEE DETAIL A
ROCK
36" CONC
12" ROCK WALL
GR
LAG= 2507.46'
DESIGN -L- 13+90.60
FFE= 2509.5'
62" WW & 1S ELEC
48" WW & 1S ELEC
WOODS
EXISTING RW
60'
VAR ROCK WALL
7435.6824
7435.6886
S24°58'02.5"E
2510.0'
2515.0'
2520.0'
2505.0'
2500.0'
NAD 83 NA 2011

-L- POC 10+59.51 =
-L_DET- POC 10+68.71

SR 2115 BLACKBERRY INN RD 17' BST
BL-3

BEGIN GRADE
-L_DET- POC 11+25.52

SEAT ELEV = 2508.77'
13' CONC WW
31' CONC HW
SEAT ELEV = 2507.79'
13' CONC WW
SEAT ELEV = 2508.17'
5' CONC WW
SEAT ELEV = 2508.66'
BST
6' CONC WW
31' CONC HW
159-2
WD BRIDGE #159
BM1

KAY L. PRUETT
RICHARD B. PRUETT
DB 6016 PG 1616
PB 53 PG 21
REEMS CREEK
48" WW & 1SBW

CL. II RIP RAP
-L_DET- STA. 12+88, 18' RT
ELEV. = 2505.9'
EST. 27 TON
EST. 370 SF GEOTEXTILE FABRIC

CL. II RIP RAP
-L_DET- 13+66, 8' RWRT
ELEV. = 2512.9'
EST. 21 TON
EST. 251 SF GEOTEXTILE FA

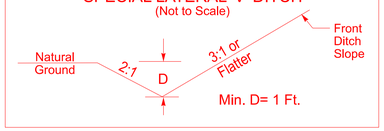
EXCAVATE TO
STREAMBED
ELEV. = 2506.8'
EST. 24 CY
EST. 40 TONS CL. II RIP RAP
EST. 477 SF GEOTEXTILE FABRIC

END GRADE
-L_DET- POC 14+12.36

-L- POT 14+41.61 =
-L_DET- POT 14+50.24

159-1

DETAIL A
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



FROM STA. -L_DET- 11+55 TO STA. -L_DET- 13+02 RT

100159
2B-1

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BUNCOMBE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

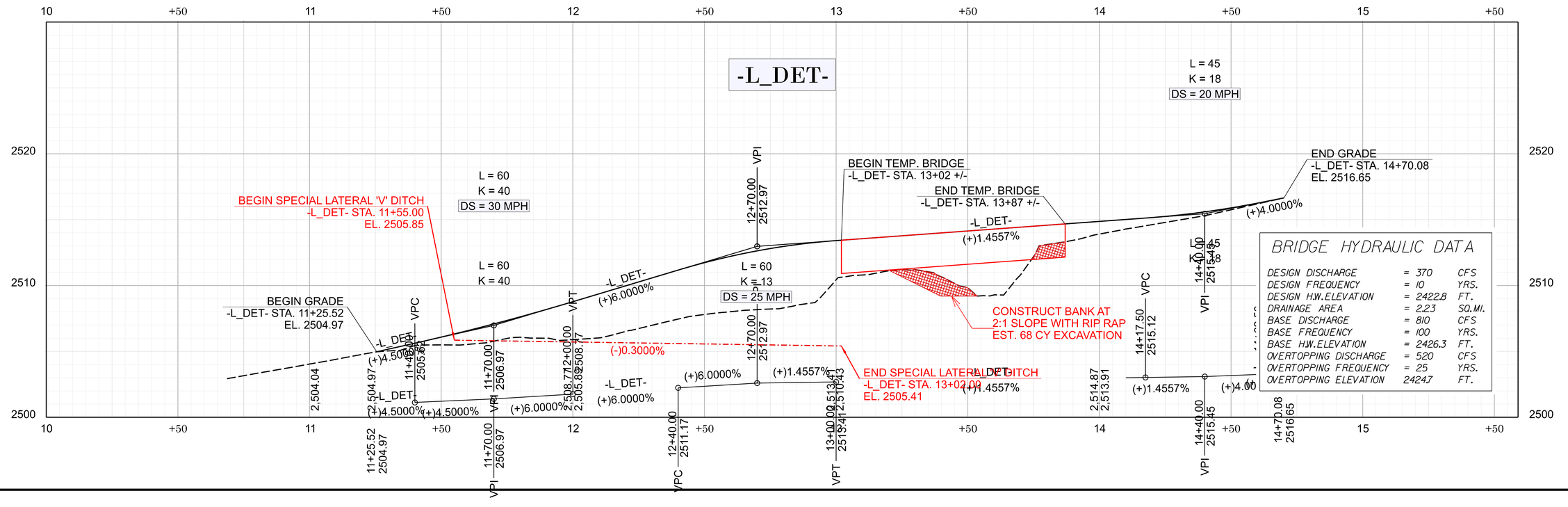
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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RALEIGH, NC 27609
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NC LICENSE NO. F-1524

REVISIONS



11/14/23

PERMIT DRAWING
SHEET 3 OF 6

SITE 1

NAD 83
NA 2011

10

1SFD

FFE=
2507.96'

G

-L- START 10+00.00

LAG=
2504.39'

ROCK

36"
CONC

12"
ROCK
WALL

9' GR

1
CAROL L. HILLEY
DB 1654 PG 541

FFE=
2508.75'

G

S

GR
LAG=
2507.46'

48" WW & 1S ELEC

CL. II RIP-RAP
-L- STA. 12+46, 35' LT
ELEV. = 2510.0'
EST. 15 TON
EST. 175 SF
GEOTEXTILE FABRIC

EXCAVATE TO
STREAMBED
ELEV. = 2503.5'
EST. 77 CY

HIGH WATER
MARK=2514.12'

-L- PRC 11+84.95

-L- PT 12+01.63

62" WW & 1S ELEC

7435.6824

-L- PC 12+72.37

TOP OF BANK (TYP.)

-L- PT 13+30.29

WOODS

894.6286

EXISTING RW

-L- END 14+57.45

2
WILLIAM E. SEVIER, ETAL
DB 1434 PG 4
PB 53 PG 21

3
CAMERON W. CANTWE
DB 5885 PG 69
PB 38 PG 70

WOODS

+/- 0.

SEAT ELEV = 2508.77'
13' CONC WW
31' CONC HW
SEAT ELEV = 2507.79'

-L-
S44°19'47.6"E

WD
BRIDGE
#159

13' CONC WW

-L-
S50°50'12.9"E

EXIST

60'

F

02

03

01

+/- 0.08 MI TO
MCDARIS COVE RD

SR 2113

BLACKBERRY INN RD

17' BST

BL-3

SEAT ELEV = 2508.17'

BEGIN PROJECT 100159
–L– POC 10+80.00

BEGIN BRIDGE
–L– 12+19 +/–

6' CONC
WW

SEAT ELEV = 2508.66'

BST

6' CONC
WW
31' CONC
HW

159-2

BM1

VAR ROCK WALL

EXISTING RW

END PROJECT 100159
–L– POT 14+55.00

WOODS

KAY L. PRUETT
RICHARD B. PRUETT
DB 6016 PG 1616
PB 53 PG 21

CL. II RIP-RAP
-L- STA. 11+94, 23' RT
ELEV. = 2501.7'
EST. 11 TON
EST. 135 SF
GEOTEXTILE FABRIC

REEMS CREEK

48" WW & 1SBW

CL. II RIP-RAP
-L- STA.12+22, 28' RT
ELEV. = 2505.5'
EST. 15 TON
EST. 174 SF GEOTEXTILE
FABRIC

END BRIDGE
–L– 12+49 +/–

WOODS

CAMERON W. CANTWELL, ETAL
DB 5885 PG 694
PB 38 PG 70

CL. II RIP-RAP
-L- STA. 12+86, 12' LT
ELEV. = 2511.4'
EST. 25 TON
296 SF GEOTEXTILE FABRIC

EXCAVATE TO
STREAMBED
ELEV. = 2503.5'
EST. 83 CY

FOR -L- PROFILE, SEE SHEET 5

REVISIONS

100159

4

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BUNCOMBE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN
ENGINEER

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11/14/23

PERMIT DRAWING
SHEET 4 OF 6

SITE 1

CL. II RIP-RAP
-L- STA. 12+46, 35' LT
ELEV. = 2510.0'
EST. 15 TON
EST. 175 SF
GEOTEXTILE FABRIC

EXCAVATE TO
STREAMBED
ELEV. = 2503.5'
EST. 77 CY

HIGH WATER
MARK=2514.12'

TOP OF BANK (TYP.)

10

1SFD

FFE=
2507.96'

G

-L- START 10+00.00

LAG=
2504.39'

ROCK

36"
CONC

72"
ROCK
WALL

9' GR

1
CAROL L. HILLEY
DB 1654 PG 541

FFE=
2508.75'

G

GR

S

LAG=
2507.46'

48" WW & 1S ELEC

-L- PRC 11+84.95

-L- PT 12+01.63

62" WW & 1S ELEC

7435.6824

-L- PC 12+72.37

-L- PT 13+30.29

WOODS

894.6286

EXISTING RW

-L- END 14+57.45

2
WILLIAM E. SEVIER, ETAL
DB 1434 PG 4
PB 53 PG 21

3
CAMERON W. CANTWE
DB 5885 PG 69
PB 38 PG 70

NAD 83
NA 2011

+/- 0.08 MI TO
MCDARIS COVE RD

SR 2113 BLACKBERRY INN RD

17' BST

SEAT ELEV = 2508.77'
13' CONC WW
31' CONC HW
SEAT ELEV = 2507.79'

-L- SWD
S44°19'47.6"E

EXIST 03 02 02

EXIST 02 01 EXIST

-L-
S50°50'12.9"E

60'

F

BL-3

SEAT ELEV = 2508.17'

BEGIN PROJECT 100159
–L– POC 10+80.00

BEGIN BRIDGE
–L– 12+19 +/–

CONC
WW

SEAT ELEV = 2508.66'
BST
6' CONC
WW
31' CONC
HW

159-2

BM1

VAR ROCK WALL

EXISTING RW

END PROJECT 100159
–L– POT 14+55.00

WOODS

KAY L. PRUETT
RICHARD B. PRUETT
DB 6016 PG 1616
PB 53 PG 21

CL. II RIP-RAP
-L- STA. 11+94, 23' RT
ELEV. = 2501.7'
EST. 11 TON
EST. 135 SF
GEOTEXTILE FABRIC

REEMS CREEK

48" WW & 1SBW

CL. II RIP-RAP
-L- STA.12+22, 28' RT
ELEV. = 2505.5'
EST. 15 TON
EST. 174 SF GEOTEXTILE
FABRIC

END BRIDGE
–L– 12+49 +/–

WOODS

CAMERON W. CANTWELL, ETAL
DB 5885 PG 694
PB 38 PG 70

CL. II RIP-RAP
-L- STA. 12+86, 12' LT
ELEV. = 2511.4'
EST. 25 TON
296 SF GEOTEXTILE FABRIC

EXCAVATE TO
STREAMBED
ELEV. = 2503.5'
EST. 83 CY

2530.0'
2520.0'
2515.0'
2510.0'
2505.0'
2500.0'
2495.0'

+/- 0.

FOR -L- PROFILE, SEE SHEET 5

REVISIONS

100159
4

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BUNCOMBE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN
ENGINEER

PRELIMINARY PLANS
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PERMIT DRAWING SHEET 5 OF 6

100159

5

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION BUNCOMBE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION

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REVISIONS

-L-

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 820	CFS
DESIGN FREQUENCY	= 10	YRS.
DESIGN H.W. ELEVATION	= 2510.96	FT.
DRAINAGE AREA	= 0.10	SQ.MI.
BASE DISCHARGE	= 1700	CFS
BASE FREQUENCY	= 100	YRS.
BASE H.W. ELEVATION	= 2512.3	FT.
OVERTOPPING DISCHARGE	= 1200	CFS
OVERTOPPING FREQUENCY	= 25	YRS.
OVERTOPPING ELEVATION	= 2510.5	FT.

BM-1 ELEV. 2512.86'
N=730887.6359' E=972805.0822'
-BL- STA. 3+17.65 21.71' RT
-L- STA. 13+17.54 21.24' RT
RR SPIKE IN 20" POPLAR

-L- STATION= 12+34.00
G.P. ELEVATION= 2510.96
SKEW= 140 DEGREES
TIMBER BRIDGE w/ 30ft 14" I-Beams
w/ Concrete Abutments

EXISTING GROUND

L = 50
K = 28

L = 45
K = 27

L = 15
K = 26

L = 30
K = 30

L = 50
K = 15

L = 55
K = 32

10+85.00 VPC 2503.90
11+10.00 VPI 2504.98
11+35.00 VPT 2506.51
11+60.00 VPC 2508.03
11+85.00 VPI 2509.56
12+10.00 VPT 2510.27
12+62.50 VPC 2511.77
13+17.50 VPT 2512.86
13+40.00 VPI 2513.11
13+62.50 VPC 2513.74
13+70.00 VPI 2513.95
13+77.50 VPT 2514.20
13+95.00 VPC 2514.79
14+10.00 VPI 2515.29
14+25.00 VPT 2515.94
14+50.00 2517.03

10+80.00 2503.69
11+10.00 VPI 2504.98
11+60.00 VPC 2508.03
12+10.00 VPT 2510.27
12+62.50 VPC 2511.77
13+17.50 VPT 2512.86
13+40.00 VPI 2513.11
13+62.50 VPC 2513.74
13+70.00 VPI 2513.95
13+77.50 VPT 2514.20
13+95.00 VPC 2514.79
14+10.00 VPI 2515.29
14+25.00 VPT 2515.94

(+)4.3000% (+)6.1100% (+)2.8500% (+)1.1160% (+)4.3428%

PROP 100-YR. ELEV = 2512.3'

PROP. 10-YR. ELEV = 2510.0'

EXCAVATE TO STREAMBED EST 77 CY

EXCAVATE TO STREAMBED EST 83 CY

NG RT (UPSTREAM)

NG LT (DOWNSTREAM)

NORMAL WSEL = 2504.7' (10/03/2024)

10-YR THEORETICAL ABUTMENT SCOUR

2,501.12 2,503.69 2,504.59 2,504.53 2,509.96 2,509.42 2,512.62 2,512.15 2,514.96 2,514.93

10 +50 11 +50 12 +50 13 +50 14 +50 15 +50

2550 2540 2530 2520 2510 2500 2490 2480

FOR -L- PLAN, SEE SHEET 4

PERMIT DRAWING
SHEET 5 OF 6

-L-

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 820	CFS
DESIGN FREQUENCY	= 10	YRS.
DESIGN H.W. ELEVATION	= 2510.0	FT.
DRAINAGE AREA	= 6.10	SQ.MI.
BASE DISCHARGE	= 1700	CFS
BASE FREQUENCY	= 100	YRS.
BASE H.W. ELEVATION	= 2512.3	FT.
OVERTOPPING DISCHARGE	= 1200	CFS
OVERTOPPING FREQUENCY	= 25	YRS.
OVERTOPPING ELEVATION	= 2510.5	FT.

BM-1	ELEV. 2512.86'
N=730887.6359'	E=972805.0822'
-BL- STA. 3+17.65	21.71' RT
-L- STA. 13+17.54	21.24' RT
RR SPIKE IN 20" POPLAR	

-L- STATION= 12+34.00
G.P. ELEVATION= 2510.96
SKEW= 140 DEGREES
TIMBER BRIDGE w/ 30ft 14" I-Beams
w/ Concrete Abutments

BEGIN BRIDGE
-NONE- STA. 12+17.00

END BRIDGE
-NONE- STA. 12+50.70

EXISTING GROUND

L = 50
K = 28

L = 45
K = 27

L = 15
K = 26

L = 30
K = 30

L = 55
K = 32

L = 50
K = 15

10+80.00 2503.69 VPI
10+85.00 2503.90 VPC
11+10.00 2504.98 VPI
11+35.00 2506.51 VPT
11+60.00 2508.03 VPC
11+85.00 2509.56 VPI
12+10.00 2510.27 VPT
12+62.50 2511.77 VPC
12+90.00 2512.55 VPI
13+17.50 2512.86 VPC
13+40.00 2513.11 VPI
13+62.50 2513.74 VPT
13+70.00 2513.95 VPI
13+77.50 2514.20 VPT
13+95.00 2514.79 VPC
14+10.00 2515.29 VPI
14+25.00 2515.94 VPT
14+50.00 2517.03

(+)4.3000%
(+)6.1100%
(+)6.1100%
(+)2.8500%
(+)2.8500%
(+)2.8500%
(+)1.1160%
(+)1.1160%
(+)2.7817%
(+)3.3541%
(+)4.3428%

-L-

PROP 100-YR
ELEV = 2512.3'

PROP. 10-YR.
ELEV = 2510.0'

NORMAL WSEL = 2504.7'
(10/03/2024)

NG RT (UPSTREAM)
NG LT (DOWNSTREAM)

EXCAVATE TO
STREAMBED
EST 83 CY

STREAM BED EXCAVATION WILL EXTEND ENTIRE
WIDTH OF STREAM FOR FOOTER INSTALLATION
AND REBUILD WITH ANTIVE MATERIAL.

STREAM-WIDENING EXCAVATION LIMITS INCLUDE
ALL EXCAVATION REQUIRED FOR SPREAD
FOOTING CONSTRUCTION.

EXCAVATE TO STREAMBED
EST 77 CY

10-YR THEORETICAL ABUTMENT SCOUR

2,501.12
2,503.69
2,504.59
2,504.53
2,509.96
2,509.42
2,512.62
2,512.15
2,514.96
2,514.93

10 +50 11 +50 12 +50 13 +50 14 +50 15 +50

2550 2540 2530 2520 2510 2500 2490 2480

FOR -L- PLAN, SEE SHEET 4

100159
5

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BUNCOMBE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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REVISIONS

WETLAND AND SURFACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 11+87.49/11+96.35	Downstream of Bridge							< 0.01		10	
1A	-L-11+96.35/12+86.08	Bank Stabilization/Bridge						0.03		113		
1B	-L- 12+86.08/12+96.61	Upstream of Bridge							< 0.01		10	
1C	DET 12+75.54/12+83.64	Downstream of Detour Bridge							< 0.01		10	
1D	DET 12+83.64/14+01.68	Bank Stabilization/ Detour Bridge							0.03		213	
1E	DET 14+01.68/14+10.97	Upstream of Detour Bridge							< 0.01		10	
TOTALS*:								0.03	0.06	113	253	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
06/18/2026
BUNCOMBE COUNTY
100159
DF18313.2011262.P