



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

December 23, 2025

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for the Replacement of:
Replacement of Bridges 175 and 200 over North Fork Ivy Creek on NC 197 in
Buncombe County, Div. 13, WBS DF18313.1011180 & DF18313.1011181.

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-2025-02076 Dated December 23, 2025	March 14, 2026
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification Project ID: 20251509 Dated December 9, 2025	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.

*All 404 Nationwide Permits expire on March 14, 2026. Since new Nationwide Permits are not issued until the previous set expires, a one-year period exists between March 14, 2026, and March 14, 2027 to complete construction, or renew the permit under the new Nationwide Permit.

ECAP will coordinate with Division Environmental Staff to determine project completion timelines and initiate the renewal process, if necessary.

404 Permit (USACE)



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

December 23, 2025

Regulatory Division
SAW-2025-02076

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 November 10, 2025, for a Department of the Army general permit verification to replace two bridges that were destroyed by **Hurricane Helene**. This project will replace **Bridges 175 and 200** over North Fork Ivy Creek on NC 197 in Buncombe County, North Carolina (35.7994, -82.3692) and has been assigned file number SAW-2025-02076. In order to perform this work, NCDOT proposes to conduct the following activities in waters of the U.S. (North Fork Ivy Creek):

Summary of Proposed Impacts

Impact ID #	NWP / GP #	Open Water (ac)		Wetland (ac)		Stream (lf)	
		Temporary	Permanent	Temporary	Permanent	Temporary	Permanent
Site 1 (Bridge 175)	<u>NWP 3</u>					119' / dewater	95' / bank stabilization
Site 2 (Bridge 200)	<u>NWP 3</u>					93' / dewater	82' / bank stabilization
Impact Totals		0	0	0	0	212'	177'
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:

- general and regional conditions of NWP 3 (enclosed)
- special conditions of the verification letter (see below)
- information in the PCN and attachments
- enclosed project 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 14, 2026**, unless the subject RGP is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the RGP.

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, ““Modified Biological and Conference Opinions and Informal Consultations – Batch Format, Replace Multiple Crossing Structures Destroyed by Tropical Storm Helene in Buncombe, Madison, McDowell, Mitchell, and Yancey Counties, North Carolina, Service Log #25-276 through 25-299” on September 4, 2025. This document contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with incidental take for bat species on this project. Your authorization under this verification letter and NWP 3 is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take listed in this document for the aforementioned species. 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 #1-3 of the attached letter from the North Carolina Wildlife Resources Commission dated November 10, 2025.
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 does 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,



James Lastinger
Chief, Washington Regulatory Field Office
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-2025-02076

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 / Br 175 and 200 / NC 197 / Buncombe / Div 13

Project Location (*physical address*): Bridges 175 and 200 on NC 197 in Buncombe County, 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
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401

Certification
(NCDWR)

JOSH STEIN
Governor

D. REID WILSON
Secretary

RICHARD E. ROGERS, JR.
Director



December 9, 2025

DWR # 20251509
Buncombe County

North Carolina Department of Transportation
Attn: Michael Turchy
1598 Mail Service Center
Raleigh, North Carolina, 27699

Delivered via email to: maturchy@ncdot.gov

Subject: Approval of Individual 401 Water Quality Certification
Replacement of Bridges 175 and 200 over North Fork Ivy Creek on NC
197 in Buncombe County, WBS DF18313.1011180 and
DF18313.10111181

Location: 35.7994, -82.36921

Dear Mr. Michael Turchy:

Attached hereto is a copy of Certification No. WQC008470 issued to Michael Turchy and the North Carolina Department of Transportation, dated December 9, 2025. This approval is for the purpose and design described in your application.

This Water Quality Certification does not relieve the Permittee of the responsibility to obtain all other required Federal, State, or Local approvals before proceeding with the project, including those required by, but not limited to, Sediment and Erosion Control, Non-Discharge, Water Supply Watershed, and Trout Buffer regulations.

Upon the presentation of proper credentials, the Division of Water Resources (Division) may inspect the property.

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.

Non-compliance with or violation of the conditions herein set forth may result in revocation of this Water Quality Certification for the project and may also result in criminal and/or civil penalties.



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617
919.707.9000

This approval and its conditions are final and binding unless contested [G.S. 143-215.5].

This Certification can be contested as provided in Chapter 150B of the North Carolina General Statutes by filing a Petition for a Contested Case Hearing (Petition) with the North Carolina Office of Administrative Hearings (OAH) **within sixty (60) calendar days**. Requirements for filing a Petition are set forth in Chapter 150B of the North Carolina General Statutes and Title 26 of the North Carolina Administrative Code. Additional information regarding requirements for filing a Petition and Petition forms may be accessed at <https://www.oah.nc.gov> or by calling the OAH Clerk's Office at (919) 431-3000.

A party filing a Petition must serve a copy of the Petition on:

Dan Hirschman, General Counsel
Department of Environmental Quality
1601 Mail Service Center
Raleigh, NC 27699-1601

If the party filing the Petition is not the Permittee, then the party must also serve the recipient of the Certification in accordance with N.C.G.S. 150B-23(a).

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:



3185423002EA45E...

Faith Hardin, Supervisor
401 & Buffer Transportation Permitting Branch

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

Filename: 20251509_Bridges 175 and 200 on NC 197 _APPRVL.docx



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617
919.707.9000

NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

CERTIFICATION #WQC008470 is issued in conformity with the requirements of Section 401, Public Laws 92-500 and 95-217 of the United States and subject to North Carolina's Regulations in 15 NCAC 02H .0500 and 15A NCAC 02B .0200, to Mr. Michael Turchy and the North Carolina Department of Transportation, who have authorization for the impacts listed below, as described within your application received by the N.C. Division of Water Resources (Division) on November 10, 2025, and by Public Notice issued by the Division on November 10, 2025, and within the *Reasonable Period of Time* pursuant to 40 CFR Part 121.6.

The State of North Carolina certifies that this activity will comply with water quality requirements and the applicable portions of Sections 301, 302, 303, 306, 307 of the Public Laws 92-500 and PL 95-217 if conducted in accordance with the application, the supporting documentation, and conditions hereinafter set forth.

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

Stream Impacts in the French Broad River Basin

Site	Permanent Fill in Perennial Stream (linear feet)	Temporary Fill in Perennial Stream (linear feet)	Total Stream Impact (linear feet)	Stream Impacts Requiring Mitigation (linear feet)
Site 1: Bridge 175 - Bank Stabilization	95	-	95	0
Site 2: Bridge 175 - Dewatering	-	119	119	0
Site 3: Bridge 200 - Bank Stabilization	82	-	82	0
Site 4: Bridge 200 - Dewatering	-	93	93	0
Totals:	177	212	389	0

Total Stream Impact for Project: 389 linear feet

This approval requires you to follow the conditions listed in the Certification below.

CONDITIONS OF CERTIFICATION [15A NCAC 02H .0507(c)]:

Project Specific Conditions

1. The NCDOT Division Environmental Officer or Environmental Assistant will conduct a pre-construction meeting with all appropriate staff to ensure that the project supervisor and



essential staff understand the potential issues with the stream at the permitted site. NCDWR staff shall be invited to the pre-construction meeting. [15A NCAC 02H.0506(b)(2) and (b)(3)]

2. The permittee shall use Design Standards in Sensitive Watersheds in areas draining to Trout waters. [15A NCAC 4B.0124(a)-(e)]
3. NCDOT shall be in compliance with the NCS00250 issued to the NCDOT, including the applicable requirements of the NCG01000. Please note the extra protections for the sensitive watersheds.
4. The permittee will need to adhere to all appropriate in-water work moratoria (including the use of pile driving or vibration techniques) prescribed by the NC Wildlife Resources Commission. No in-water work is permitted between October 15 to April 15 trout moratorium. In addition, the permittee shall conform to the NCDOT policy entitled "Stream Crossing Guidelines for Anadromous Fish Passage (May 12, 1997) at all times.
5. The post-construction removal of any temporary bridge structures must return the project site to its preconstruction contours and elevations. The impacted areas shall be revegetated with appropriate native species. [15A NCAC 02H .0506(b)(2)]
6. As a condition of this 401 Water Quality Certification, the bridge demolition and construction must be accomplished in strict compliance with the most recent version of NCDOT's Best Management Practices for Construction and Maintenance Activities. [15A NCAC 02H .0507(d)(2) and 15A NCAC 02H .0506(b)(5)]
7. Bridge deck drains shall not discharge directly into the stream. Stormwater shall be directed across the bridge and pre-treated through site-appropriate means (grassed swales, pre-formed scour holes, vegetated buffers, etc.) before entering the stream. To meet the requirements of NCDOT's NPDES permit NCS0000250, please refer to the most recent version of the North Carolina Department of Transportation Stormwater Best Management Practices Toolbox manual for approved measures. [15A NCAC 02H .0507(d)(2) and 15A NCAC 02H .0506(b)(5)]
8. Bridge piles and bents shall be constructed using driven piles (hammer or vibratory) or drilled shaft construction methods. More specifically, jetting or other methods of pile driving are prohibited without prior written approval from the NCDWR first. [15A NCAC 02H.0506(b)(2)]
9. No drill slurry or water that has been in contact with uncured concrete shall be allowed to enter surface waters. This water shall be captured, treated, and disposed of properly. [15A NCAC 02H .0506(b)(3)]
10. All bridge construction shall be performed from the existing bridge, temporary work bridges, temporary causeways, or floating or sunken barges. If work conditions require barges, they shall be floated into position and then sunk. The barges shall not be sunk and then dragged into position. Under no circumstances should barges be dragged along the bottom of the surface water. [15A NCAC 02H .0506(b)(3)]



General Conditions

1. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams shall be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands or streambeds or banks, adjacent to or upstream and downstream of the above structures. The applicant is required to provide evidence that the equilibrium is being maintained if requested in writing by NCDWR. If this condition is unable to be met due to bedrock or other limiting features encountered during construction, please contact NCDWR for guidance on how to proceed and to determine whether or not a permit modification will be required. [15A NCAC 02H.0506(b)(2)]
2. If concrete is used during construction, a dry work area shall be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. [15A NCAC 02B.0200]
3. For all streams being impacted due to site dewatering activities, the site shall be graded to its preconstruction contours and revegetated with appropriate native species. [15A NCAC 02H.0506(b)(2)]
4. During the construction of the project, no staging of equipment of any kind is permitted in waters of the state or protected riparian buffers. [15A NCAC 02H.0506(b)(2)]
5. The dimension, pattern and profile of the stream above and below the crossing shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H.0506(b)(2)]
6. The use of rip-rap above the Normal High Water Mark shall be minimized. Any rip-rap placed for stream stabilization shall be placed in stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H.0506(b)(2)]
7. The Permittee shall ensure that the final design drawings adhere to the permit and to the permit drawings submitted for approval. [15A NCAC 02H .0507 (c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
8. All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities



manual such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water. [15A NCAC 02H.0506(b)(3) and (c)(3)]

9. Heavy equipment shall be operated from the banks rather than in the stream channel in order to minimize sedimentation and reduce the introduction of other pollutants into the stream. [15A NCAC 02H.0506(b)(3)]
10. All mechanized equipment operated near surface waters must be regularly inspected and maintained to prevent contamination of stream waters from fuels, lubricants, hydraulic fluids, or other toxic materials. [15A NCAC 02H.0506(b)(3)]
11. No rock, sand or other materials shall be dredged from the stream channel except where authorized by this certification. [15A NCAC 02H.0506(b)(3)]
12. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]
13. The permittee and its authorized agents shall conduct its activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with §303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. If the NCDWR determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the NCDWR may reevaluate and modify this certification. [15A NCAC 02B.0200]
14. All fill slopes located in jurisdictional wetlands shall be placed at slopes no flatter than 3:1, unless otherwise authorized by this certification. [15A NCAC 02H.0506(b)(2)]
15. A copy of this Water Quality Certification shall be maintained on the construction site at all times. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
16. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization, including all non-commercial borrow and waste sites associated with the project, shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H.0501 and .0502]
17. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B.0506(b)(2)]



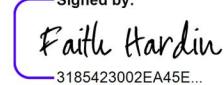
18. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer (or whomever is the authorized agent if a non-NCDOT project) shall complete and return the "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0507]
19. Native riparian vegetation (i.e., herbaceous, trees, and shrubs native to your geographic region) must be reestablished in the riparian areas within the construction limits of the project by the end of the growing season following completion of construction. [15A NCAC 02B.0506(b)(2)]
20. There shall be no excavation from, or waste disposal into, jurisdictional wetlands or waters associated with this permit without appropriate modification. Should waste or borrow sites, or access roads to waste or borrow sites, be located in wetlands or streams, compensatory mitigation will be required since that is a direct impact from road construction activities. [15A NCAC 02H.0506(b)(3) and (c)(3)]
21. Erosion control matting that incorporates plastic mesh and/or plastic twine shall not be used along streambanks or within jurisdictional wetlands. [15A NCAC 2H.0506; 15A NCAC 2H.0507]
22. Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to protect surface waters standards [15A NCAC 02H.0506(b)(3)]:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the North Carolina Sediment and Erosion Control Planning and Design Manual.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the North Carolina Sediment and Erosion Control Manual. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the North Carolina Surface Mining Manual.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.
23. Sediment and erosion control measures shall not be placed in wetlands or surface waters without prior approval from DWR. [15A NCAC 02H.0506(b)(3)]



24. DWR approves the stormwater drainage design as shown in the 401 application, under the assumption that it meets the requirements of the NCDOT NPDES permit #NCS000250. These plans are enforceable by DWR. Changes to the approved plans are prohibited without prior approval from DWR. If sediment or other pollutants are found to be discharged from the stormwater outfalls, DWR may take enforcement action. NCDOT and DWR shall assess the damage to water quality standards and implement an appropriate action plan to address the impacts. The action plan shall provide an appropriate timeline for implementation as agreed upon by both DWR and NCDOT. This may require NCDOT to obtain a modification to its current 401 and 404 permits.

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.

This, the 9th day of December 2025

Signed by:

3185423002EA45E...
Faith Hardin, Supervisor
401 & Buffer Transportation Permitting Branch



Permitted Drawings



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS

(Version 3.02; Released April 23, 2024)

WBS Element: 18313.1011180 / 18: TIP/Proj No: 18313.1011180 / 18313.1011181 County(ies): Buncombe

Page 1 of 2

General Project Information

WBS Element:	18313.1011180 / 18313.1011181	TIP Number:	18313.1011180 / 18313.1011181	Project Type:	Bridge Replacement	Date:	9/29/2025	
NCDOT Contact:	Andy Hussey	Contractor / Designer:	Joshua Dalton					
Address:	1020 Birch Ridge Dr Room #16 Raleigh, NC 27610	Phone:	Email:	905 Jones Franklin Rd Raleigh, NC 27606	Phone:	(919)707-6641		
	(919)710-8333			Email:	jahussey@ncdot.gov			
	idalton@sungatedesign.com							
City/Town:	Barnardsville	County(ies):	Buncombe					
River Basin(s):	French Broad	CAMA County?	No					
Wetlands within Project Limits?	No							
Project Description								
Project Length (lin. miles or feet):	0.052 mi.	Surrounding Land Use:	Rural, Mountainous, State Forest					
Project Built-Upon Area (ac.)	0.3	ac.	Proposed Project	Existing Site				
Typical Cross Section Description:	2-10' paved lanes w/ 3' grassed shoulders.			2-10' gravel lanes w/ variable width grassed shoulders.				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	480	Year:	2045	Existing:	NA	Year:	NA

General Project Narrative:
(Description of Minimization of Water Quality Impacts)
100175/100200 is a NCDOT bridge replacement project in Buncombe County that involves the removal and replacement of bridge no. 100175 and bridge no. 100200 on NC 197 (North Fork Rd) over North Fork Ivy Creek which is in the French Broad River basin. 100175 existing structure is a single span 14'-6" bridge with a timber deck and vertical stone abutments built in 1940. Bridge 100200 existing structure is a single span 14'-6" bridge with a timber deck with vertical abutments built in 1962. Bridge 100175 is at a 60 degree skew while bridge 100200 is at 90 degrees. The proposed 100175 bridge is a single span 25' bridge on 21" cored slab with vertical abutments on a 60 degree skew. The proposed 100200 bridge is a single span 25' bridge on 21" cored slab with vertical abutments. Both proposed structures will provide more vertical clearance over the stream and have a larger hydraulic opening. Existing drainage patterns are being maintained to the maximum extent practicable throughout the project. The bank will be rebuilt between the two bridges using CI 'll' Rip Rap along the banks and existing drainage patterns have been maintained. No deck drains will be used over open water and rip rap will be used at stormwater outfalls to dissipate energy and reduce erosion.



(Version 3.02; Released April 23, 2024)

North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS

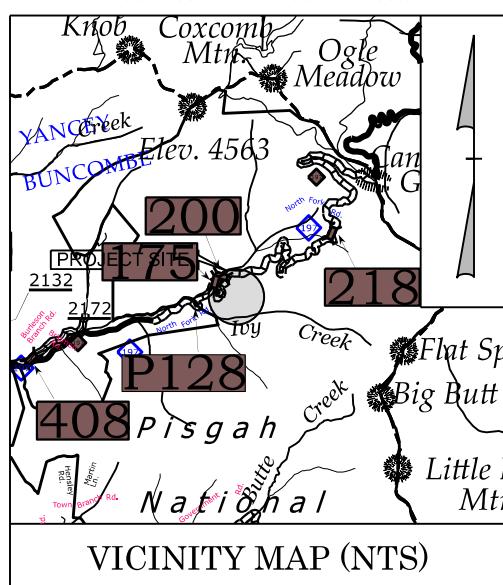
WBS Element: 18313.1011180 / 18: TIP/Proj No.: 18313.1011180 / 18313.1011181 County(ies): Buncombe

Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):	North Fork Ivy Creek		NCDWR Stream Index No.:	6-96-3	
NCDWR Surface Water Classification for Water Body		Primary Classification:	Water Supply II (WS-II)		
		Supplemental Classification:	High Quality Waters (HQW)	Trout Waters (Tr)	
Other Stream Classification:	None				
Impairments:	None				
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:				Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	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)	
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?		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)	
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?		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)	

DESIGN RECOMMENDATION
PLAN SET
7/17/2025STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

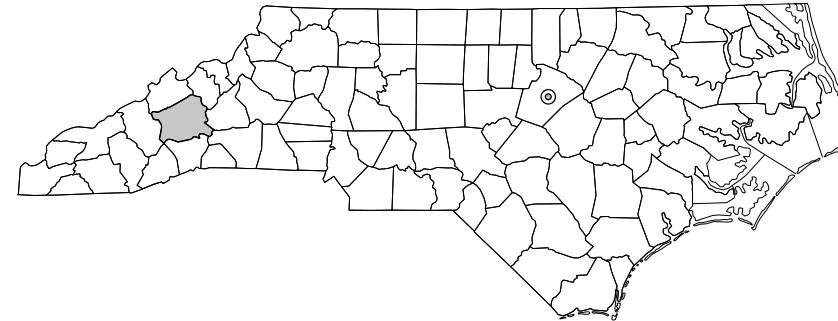
LOCATION: REPLACE BRIDGE #100175 & #100200 OVER
NORTH FORK IVY CREEK ON NC 197
(N FORK RD)
TYPE OF WORK: GRADING, PAVING, DRAINAGE, & BRIDGE

PERMIT DRAWING
SHEET 1 OF 4

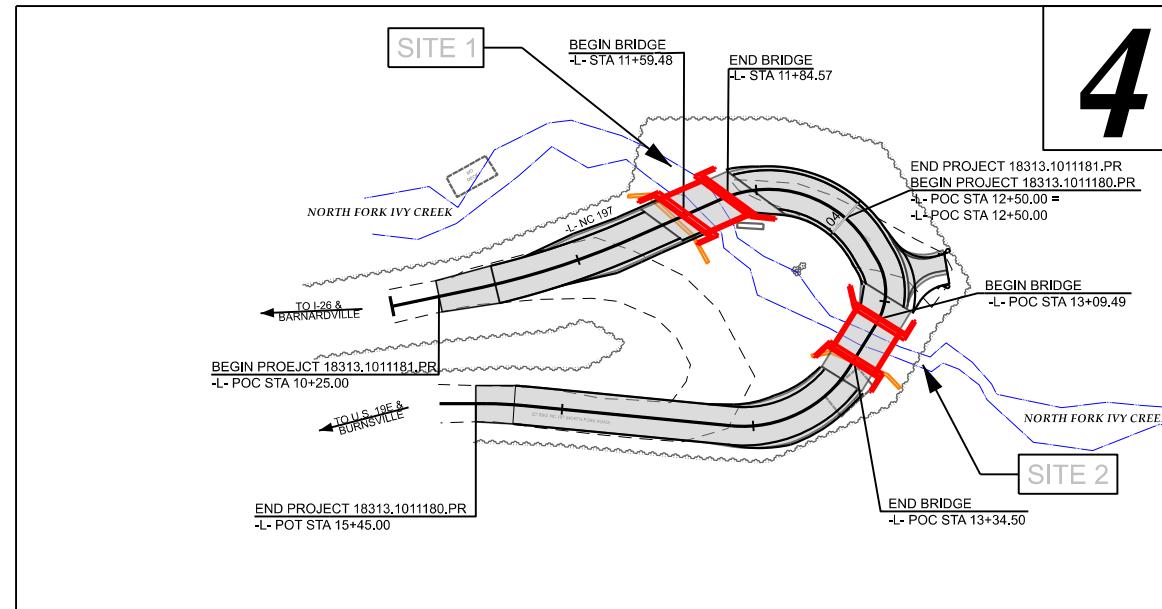
DATE: 10/28/2025

STATE	STATE PROJECT REFERENCE NO.	sheet no.	total sheets
N.C.	18313.1011181.PR 18313.1011180.PR	1	
STATE PROJ. NO.	F. A. PROJ. NO.		DESCRIPTION
18313.1011181.PR.1	N/A		PE
18313.1011180.PR.1	N/A		PE

WETLAND AND SURFACE WATER IMPACTS PERMIT



NAD
83
NC
GRID
2011

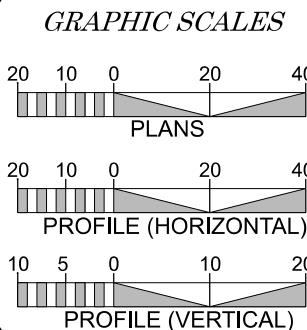


4

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NCDOT CONTACT:
ANDY HUSSEY, PE
AHUSSEY@NCDOT.GOV

NOTES:
1. THIS PROJECT IS NOT WITHIN ANY MUNICIPAL LIMITS
2. CLEARING ON THIS PROJECT SHALL BE PERFORMED
TO THE LIMITS ESTABLISHED BY METHOD II



DESIGN DATA

ADT 2025 = 660
ADT 2045 = 1060
K = %
D = %
T = % *
V = 15 MPH
* TTST = DUAL
FUNC CLASS =
MAJOR COLLECTOR
SUBREGIONAL TIER

PROJECT LENGTH

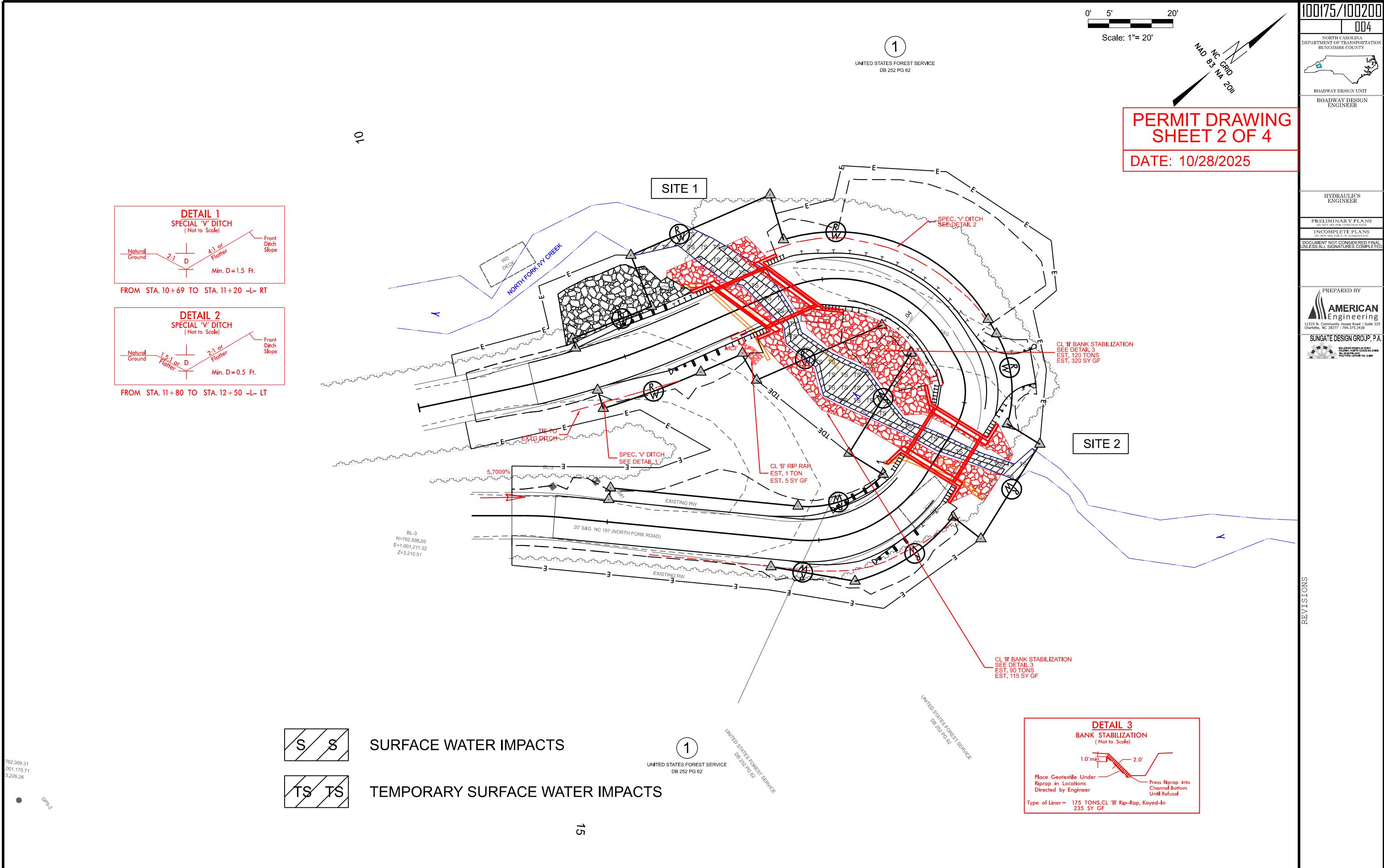
PROJECT LENGTH FOR PROJECT 18313.1011181.PR
LENGTH OF ROADWAY = 0.038 MILE
LENGTH OF STRUCTURE = 0.005 MILE
TOTAL LENGTH = 0.043 MILE

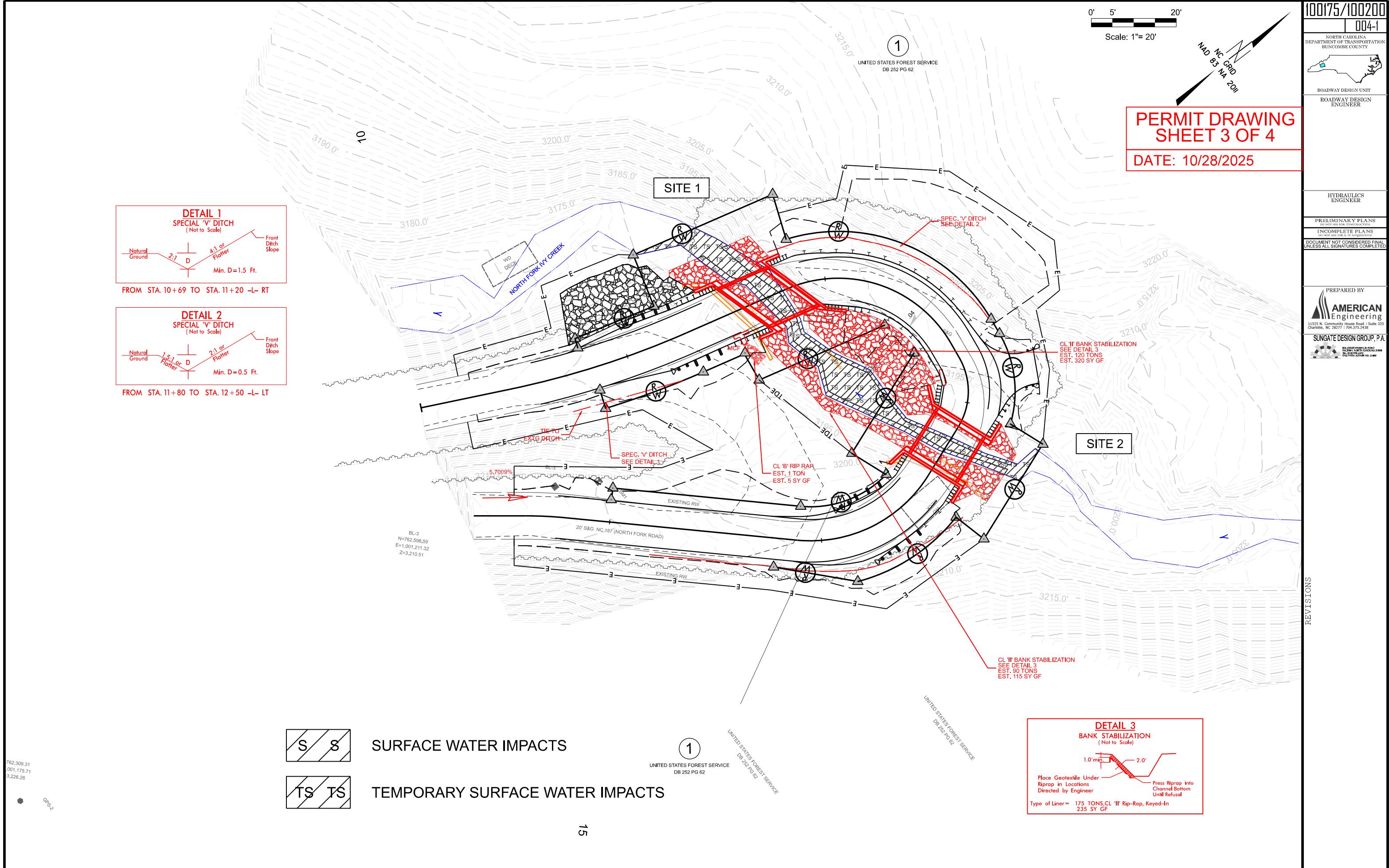
PROJECT LENGTH FOR PROJECT 18313.1011180.PR
LENGTH OF ROADWAY = 0.051 MILE
LENGTH OF STRUCTURE = 0.005 MILE
TOTAL LENGTH = 0.056 MILE

PREPARED IN
THE OFFICE OF:
FOR NCDOT
2024 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
LETTING DATE:
ALLISON C. JOHNSON, PE
PROJECT ENGINEER
BENJAMIN C. PICKERING II, PE
PROJECT DESIGN ENGINEER
ANDY HUSSEY, PE
NCDOT CONTACT

HYDRAULICS ENGINEER
P.E.
SIGNATURE:
ROADWAY DESIGN ENGINEER
P.E.
SIGNATURE:
ANDY HUSSEY, PE
NCDOT CONTACT
P.E.
SIGNATURE:







*Rounded totals are sum of actual impacts

NOTES:

Bridge Open Area #100175

Temporary Channel Impacts

Existing = 119 SF

Bridge #100175 - 95 LF of Temporary Channel Impacts are coincident to the Permanent Impacts

Proposed = 239 SF

Bridge #100200 - **82 LF** of Temporary Channel Impacts are coincident to the Permanent Impacts.

Bridge Open Area #100200

Existing SF = 127 SF

Proposed = 210 SF

5. *What is the relationship between the two main characters?*

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

10/28/2025

18, 20, 2020

BUNCOMBE COUNTY
18313 1011181 BB (Site 1)

18313.1011181.R (Site 1)