



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JOSH STEIN  
GOVERNOR

DANIEL H. JOHNSON  
SECRETARY

March 18, 2026

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:  
Yancey Bridge 14 over Banks Creek on SR 1136 (Banks Creek Road)  
Division 13, WBS DF18313.2100347.

Please find enclosed the following permits for this project:

Agency	Permit Type	Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Regional General Permit 50 Action ID: SAW-2026-00312 Dated March 18, 2026	May 25, 2030
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification Project ID: 20260200v1 Dated March 11, 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.

# 404 Permit (USACE)



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT**  
**WRDA / TRANSPORTATION BRANCH**  
**3331 HERITAGE TRADE DR, SUITE 105**  
**WAKE FOREST NC 27587**

March 18, 2026

Regulatory Division  
SAW-2026-00312

Sent Via Email: [maturchy@ncdot.gov](mailto:maturchy@ncdot.gov)

Michael Turchy  
ECAP  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, NC 27606

Dear Mr. Turchy:

This letter is in response to the application you submitted to the Wilmington District, WRDA / Transportation Branch on February 16, 2026, and subsequently revised on March 2, 2026, for a Department of the Army general permit verification. This project has been assigned the file number SAW-2026-00312 and is known as NCDOT / Hurricane Helene / DF18313.2100347 / Br 14 / SR 1136 / Banks Creek Rd / Yancey / Div 13. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the replacement of Bridge 14, impacting a total of 62 linear feet (<0.02 acre) of stream, as shown in the table below.

Aquatic Resource	Resource Type	Activity	Duration	Amount
Riprap	River/Stream	Discharge of fill material	Permanent	52 linear feet <0.01 acre -fill area
Temporary Dikes	River/Stream	Discharge of fill material	Temporary	0.01 acre -fill area

The project area for this determination is illustrated on the enclosed permit drawings. The project is located at Bridge 14 over Banks Creek on SR 1136 (Banks Creek Road), at Latitude 35.894560 and Longitude -82.3701, southwest of Burnsville in Yancey County, North Carolina.

We have determined that the proposed work is authorized by RGP 50 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 enclosed general permit

conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed permit drawings, *DF18313.2100414.PR, Sheets 1 - 5*, dated 2/28/2026. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised application must be submitted to this office for written approval before work is initiated. Any deviation from the terms and conditions of the permit, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until May 25, 2030, unless the subject general permit(s) is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the general permit.

**Project Specific Special Conditions:**

1. NCWRC: All recommendations in the attached letter from the North Carolina Wildlife Resources Commission dated February 16, 2026, are hereby incorporated as special conditions of this permit.

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 Eric Alsmeyer, Project Manager of the WRDA / Transportation Branch at 919-817-1570, by mail at the above address, or by email at [eric.c.alsmeyer@usace.army.mil](mailto:eric.c.alsmeyer@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,

A handwritten signature in black ink that reads "M. Scott Jones". The signature is written in a cursive, flowing style.

M. Scott Jones, PWS  
WRDA / Transportation Branch Chief

Enclosures

<p>U.S. Army Corps of Engineers (USACE)</p> <p><b>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</b></p> <p>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.</p>	<p><i>Form Approved -</i></p> <p><i>OMB No. 0710-0003</i></p> <p><i>Expires 2027-10-31</i></p>
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**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](mailto: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 [eric.c.alsmeyer@usace.army.mil](mailto:eric.c.alsmeyer@usace.army.mil) or by mail at the below address:

U.S. Army Corps of Engineers  
 Wilmington District Office  
 Street Address: 3331 Heritage Trade Dr, Suite 105  
 City: Wake Forest      State: NC      Zip Code: 27587

**COMPLETED BY THE CORPS**

Corps Action Number:	SAW-2026-00312
Permit Type: <u>General Permit</u>	
General Permit Number and Name ( <i>if applicable</i> ):	RGP50
Name of Permittee:	NCDOT
Project Name:	NCDOT / Hurricane Helene / DF18313.2100347 / Br 14 / SR 1136 / Banks Creek Rd / Yancey / Div 13
Project Location ( <i>physical address</i> ):	Banks Creek Rd Burnsville, North Carolina

**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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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 from the bridge work.
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. Heavy equipment needs to be well-maintained and concrete pouring needs to be closely monitored to avoid and quickly mitigate fuel, fluid, or wet concrete losses in or near streams.
5. Sandbags, rock berms, cofferdams, or other diversion structures should be used where excavation or other periods of extended stream disturbance has the potential for downstream sedimentation.
6. Areas of temporary disturbance of the stream channel (e.g on-site detours or diversion channels) should be restored to stable and reference conditions (width, depth, and pattern). Reference conditions can be approximated by observing conditions upstream or downstream that appear stable, or by consulting available regional curve information. Live stakes of native trees should be planted on stream banks where temporary detours are removed.
7. Added rip rap on streambanks should only extend to the ordinary high water elevation and matting and vegetation should be used above the ordinary high water elevation.

Thank you for the opportunity to review and provide recommendations on this project. Please contact me at [david.mchenry@ncwildlife.gov](mailto: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  
Michael Turchy, NCDOT ECAP

401

Certification

(NCDWR)



NORTH CAROLINA  
Environmental Quality

March 11, 2026

JOSH STEIN  
Governor

D. REID WILSON  
Secretary

RICHARD E. ROGERS, JR.  
Director

DWR # 20260200  
Yancey County

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

Delivered via email to: [maturchy@ncdot.gov](mailto:maturchy@ncdot.gov)

**Subject: Approval of Individual 401 Water Quality Certification**  
Helene Replacement of Bridge 14 over Banks Creek on SR 1333 in  
Yancey County, WBS DF18313.2011347

**Location:** 35.894562, -82.370102

Dear Mr. Michael Turchy:

Attached hereto is a copy of Certification No. WQC008751 issued to Michael Turchy and the North Carolina Department of Transportation, dated March 11, 2026. 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](mailto: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, NCDOT Division 13  
Holland Youngman, USFWS  
Dave McHenry, NCWRC  
DWR 401 & Buffer Permitting Branch Electronic file

Filename: 20260200\_Bridge 14 on SR1136 \_APPRVL\_20260311.docx



**NORTH CAROLINA 401 WATER QUALITY CERTIFICATION**

**CERTIFICATION #WQC008751** 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 February 16, 2026, with additional information received on March 1, 2026, and by Public Notice issued by the Division on February 18, 2026, 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: Temporary Dikes	-	62	62	0
Site 1A: Bank Stabilization	52	-	52	0
<b>Totals:</b>	<b>52</b>	<b>62</b>	<b>114</b>	<b>0</b>

**Total Stream Impact for Project: 52 linear feet Permanent and 62 linear feet of Temporary**

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 January 1 and April 15 of any year, without prior approval from the NC Division of Water Resources and the NC Wildlife Resources Commission. 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. When applicable, all construction activities shall be performed and maintained in full compliance with G.S. Chapter 113A Article 4 (Sediment and Pollution Control Act of 1973). Regardless of applicability of the Sediment and Pollution Control Act, all projects shall incorporate appropriate Best Management Practices for the control of sediment and erosion so



that no violations of state water quality standards, statutes, or rules occur. [15A NCAC 02H .0506(b)(3) and 15A NCAC 02B .0200]

Design, installation, operation, and maintenance of all sediment and erosion control measures shall be equal to or exceed the requirements specified in the most recent version of the North Carolina Sediment and Erosion Control Manual, or for linear transportation projects, the NCDOT Sediment and Erosion Control Manual.

All devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) sites, including contractor-owned or leased borrow pits and waste sites associated with the project. Sufficient materials required for stabilization and/or repair of erosion control measures and stormwater routing and treatment shall be on site at all times.

For borrow pit sites, the erosion and sediment control measures shall be designed, installed, operated, and maintained in accordance with the most recent version of the North Carolina Surface Mining Manual. Reclamation measures and implementation shall comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act and the Mining Act of 1971.

25. 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 11th day of March 2026

Signed by:

*Faith Hardin*

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: C2050522 TIP/Proj No: DF18313.2100347.PR County(ies): Yancey Page 1 of 2

General Project Information

WBS Element:	C2050522	TIP Number:	DF18313.2100347.PR	Project Type:	Bridge Replacement	Date:	11/17/2025
NCDOT Contact:	Jeffery L. Wait		Contractor / Designer:		Harminder Singh		
Address:	55 Orange Street Asheville, NC 28801		Address:	Wetherill Engineering 1223 Jones Franklin Road Raleigh NC, 27606			
Phone:	828-225-2763		Phone:	919-851-8077			
Email:	jlwait@ncdot.gov		Email:	hsingh@wetherilleng.com			
City/Town:	Price Creek		County(ies):	Yancey			
River Basin(s):	French Broad		CAMA County?	No			
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	0.072 miles	Surrounding Land Use:	Rural, Agricultural, Wooded					
Proposed Project			Existing Site					
Project Built-Upon Area (ac.)	0.2	ac.	0.2	ac.				
Typical Cross Section Description:	Two 9-foot travel lanes (one in each direction) with 3' paved shoulder or 7' paved with guardrail			Two 9-foot travel lanes (one in each direction) with variable 3-7 foot grass shoulders				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	573	Year:	2045	Existing:	470	Year:	2025

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

The North Carolina Department of Transportation (NCDOT) has proposed to replace Yancey County Bridge #990014 on SR 1136 (Banks Creek RD). The existing 1@20'-5" Timber Deck with Timber Joists bridge was washed out by Hurricane Helene. The temporary bridge in place is a rail car bridge. The bridge will be replaced with 1@70' 24" cored slab bridge with sloping abutments. Existing drainage patterns were maintained to the best extent possible.



North Carolina Department of Transportation

Highway Stormwater Program  
**STORMWATER MANAGEMENT PLAN**  
 FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: C2050522      TIP/Proj No.: DF18313.2100347.PR      County(ies): Yancey      Page 2 of 2

**General Project Information**

**Waterbody Information**

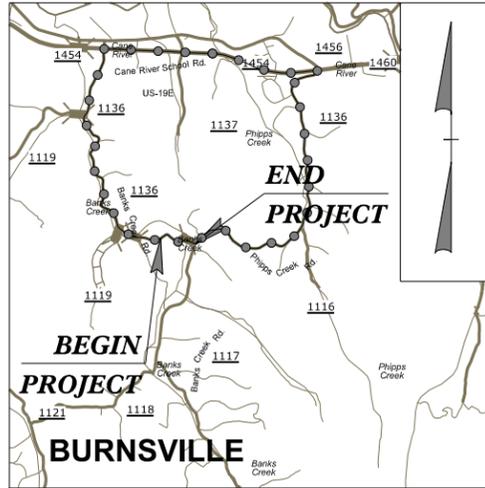
Surface Water Body (1):	Banks Creek		NCDWR Stream Index No.:	7-3-21-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		Trout Waters (Tr)		
Other Stream Classification:					
Impairments:	None				
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	Banks Creek			Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?	
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?		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?		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)					

CONTRACT: C205022 TIP PROJECT: DF18313.2100347.PR

See Sheet 1A For Index of Sheets



VICINITY MAP (NTS)



**PERMIT DRAWING  
SHEET 1 OF 5**

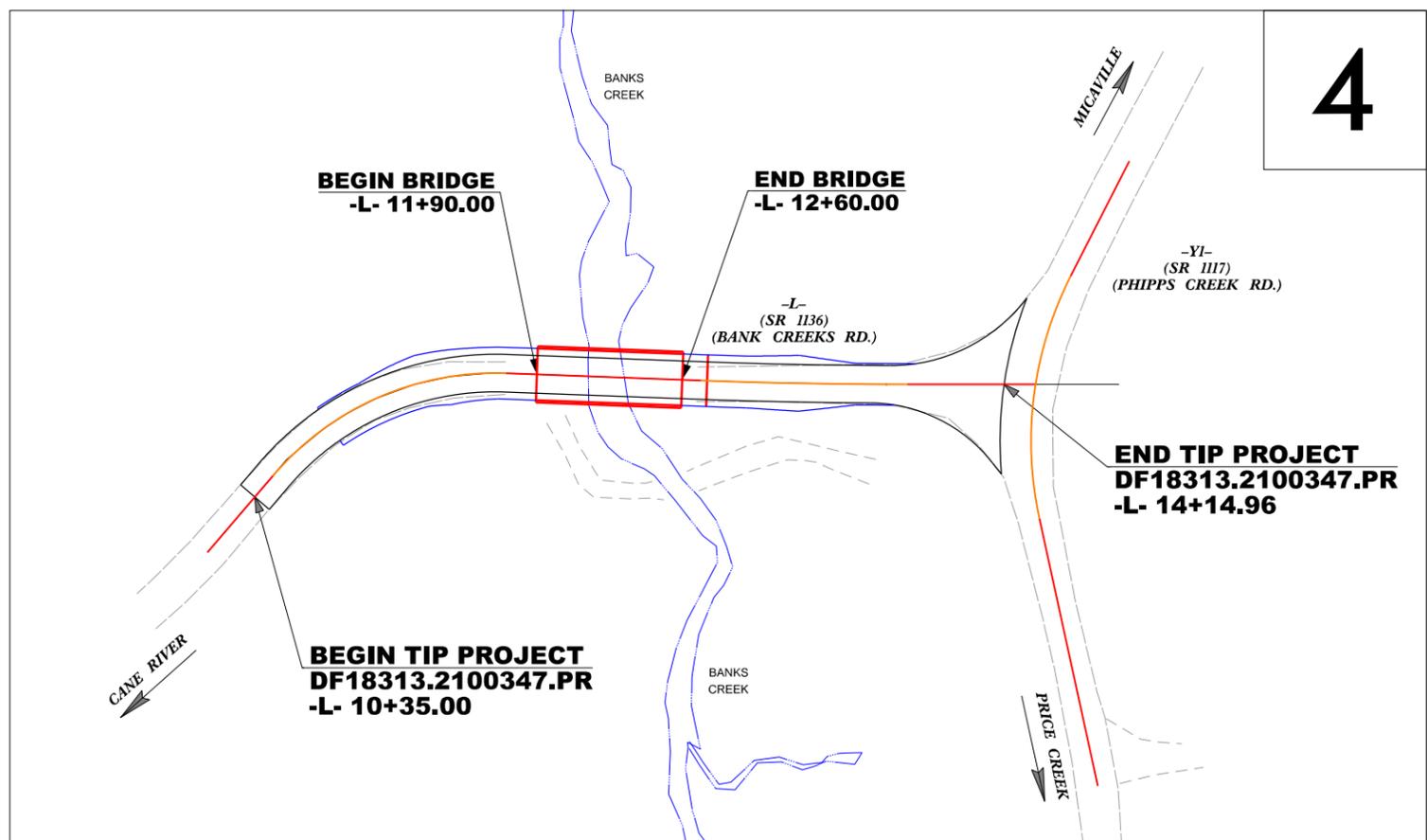
# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## YANCEY COUNTY

LOCATION: *BRIDGE NO. 990014 OVER BANKS CREEK  
ON SR 1136 (BANKS CREEK RD.)*

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

WETLAND AND SURFACE WATER IMPACTS PERMIT

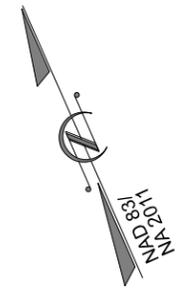


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18313.2100347.PR	11	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
		PE	
		ROW	
		UTILITY	
		CONST.	



**RIGHT OF WAY PLANS**  
NOVEMBER XX, 2025

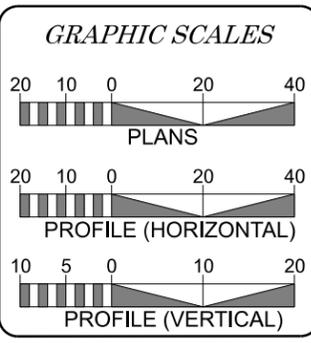
RELEASE FOR  
CONSTRUCTION  
DATE: \_\_\_\_\_



**BUCKEYE BRIDGE, LLC**  
P.O. BOX 1367  
CANTON, NC 28716  
(828)648-4511

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.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA	
ADT 2025 =	470
ADT 2045 =	573
K =	N/A
D =	N/A
T =	N/A
V =	30 MPH
FUNC CLASS = LOCAL RURAL	
SUB-REGIONAL TIER	

PROJECT LENGTH
LENGTH OF ROADWAY TIP PROJECT DF18313.2100347.PR = 0.063 MILES
LENGTH OF STRUCTURE TIP PROJECT DF18313.2100347.PR = 0.009 MILES
TOTAL LENGTH OF TIP PROJECT DF18313.2100347.PR = 0.072 MILES

Prepared in the Office of:  
**WETHERILL ENGINEERING**  
1223 Jones Franklin Rd. Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919.851.8077 Fax: 919.851.8107  
2024 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**  
JUNE 30, 2025

**LETTING DATE:**  
AUGUST 11, 2025

Prepared for:  
**DIVISION OF HIGHWAYS  
DIVISION 13**  
55 Orange Street  
Asheville, NC, 28801

**CHRIS ANDERSON, PE**  
PROJECT ENGINEER

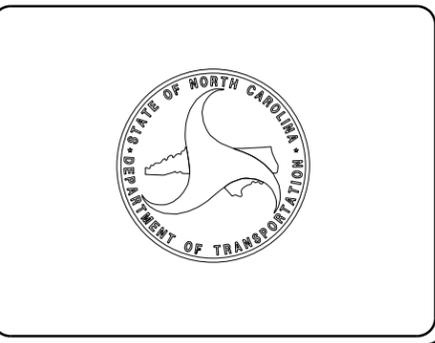
**JOSE A. ROSADO JR.**  
PROJECT DESIGN ENGINEER

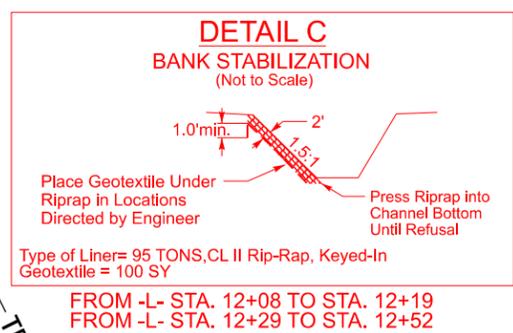
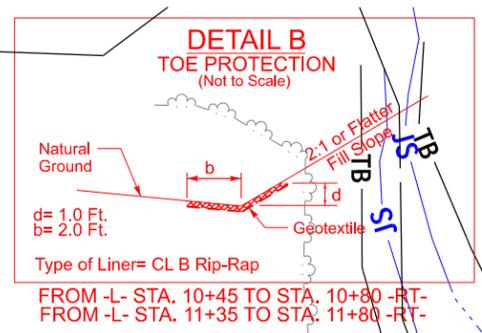
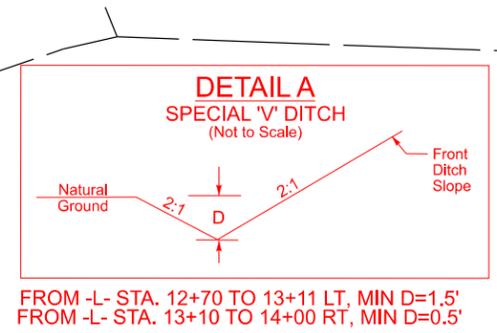
**DAN DUFFIELD, PE**  
NCDOT CONTACT

HYDRAULICS ENGINEER

\_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  
ROADWAY DESIGN ENGINEER

\_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  
P.E.





Sta = -L- 12+75 - 13+11 LT  
A= 2.78 ac  
C=0.35  
I= 4.84 in/hr  
Q= 4.71 cfs  
V= 1.89 fps  
d= 1.1 ft  
SS=2.1, 2:1  
S= 0 ft  
s= 0.005  
n=0.035  
Liner= Grass

END RADIUS  
-Y1- STA. 12+32.89  
15.26' LT  
R = 82.50'

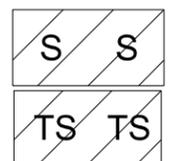
CL. "B" RIP RAP  
1 Ton  
5 SY Geotextile

END CONSTRUCTION  
-L- STA. 14+25.92, 41.51' LT =  
-Y1- STA. 12+33.70, 15' LT

Sta = -L- 13+10 - 14+00 RT  
A= 0.20 ac  
C=0.55  
I= 4.84 in/hr  
Q= 0.5 cfs  
V= 2.09 fps  
d= 0.4 ft  
SS=2.1, 2:1  
S= 0 ft  
s= 0.02  
n=0.035  
Liner= Grass

END RADIUS  
-Y1- STA. 11+59.59  
18.93' LT  
R = 75'

END CONSTRUCTION  
-L- STA. 14+13.66, 43.09' RT =  
-Y1- STA. 11+54.32, 15' LT

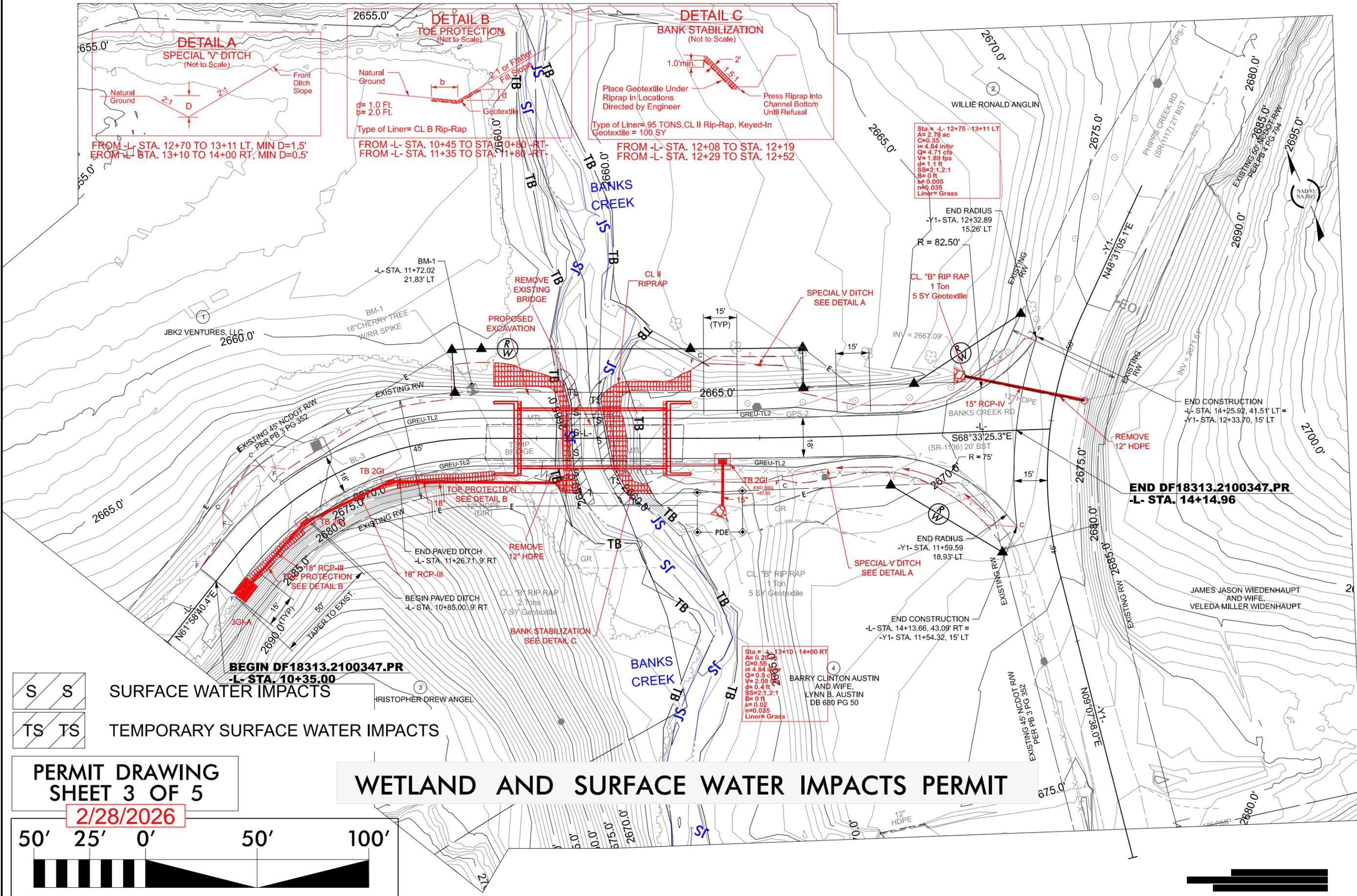


PERMIT DRAWING  
SHEET 2 OF 5

2/28/2026



**WETLAND AND SURFACE WATER IMPACTS PERMIT**



S	S
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 SURFACE WATER IMPACTS  

TS	TS
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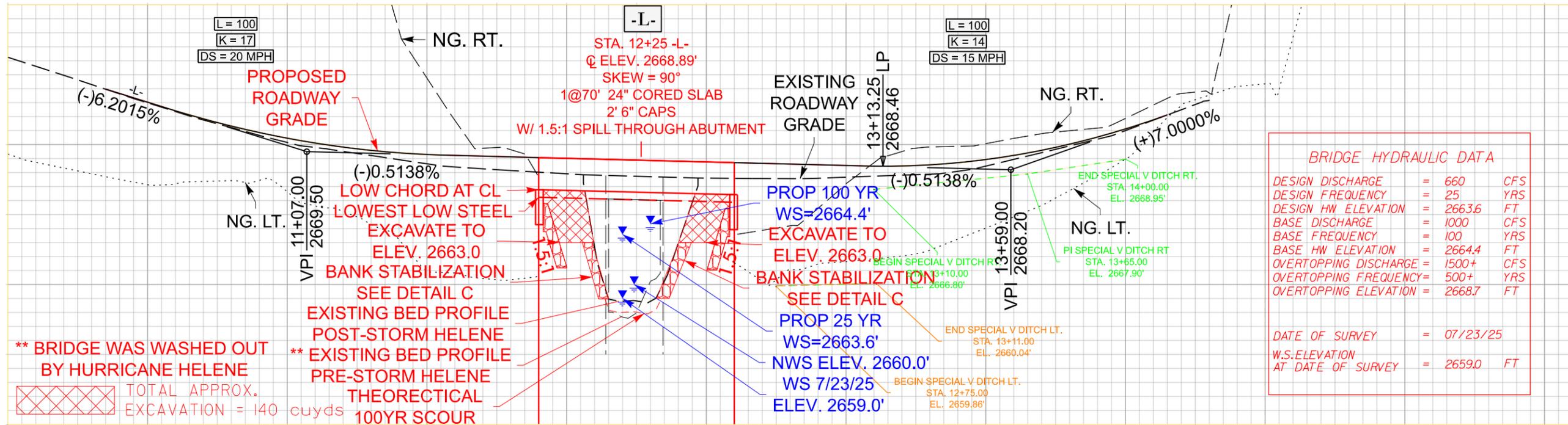
 TEMPORARY SURFACE WATER IMPACTS

**PERMIT DRAWING**  
**SHEET 3 OF 5**  
**2/28/2026**



**WETLAND AND SURFACE WATER IMPACTS PERMIT**

# PERMIT DRAWING SHEET 4 OF 5



BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 660 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 2663.6 FT
BASE DISCHARGE	= 1000 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 2664.4 FT
OVERTOPPING DISCHARGE	= 1500+ CFS
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING ELEVATION	= 2668.7 FT

DATE OF SURVEY	= 07/23/25
W.S. ELEVATION AT DATE OF SURVEY	= 2659.0 FT

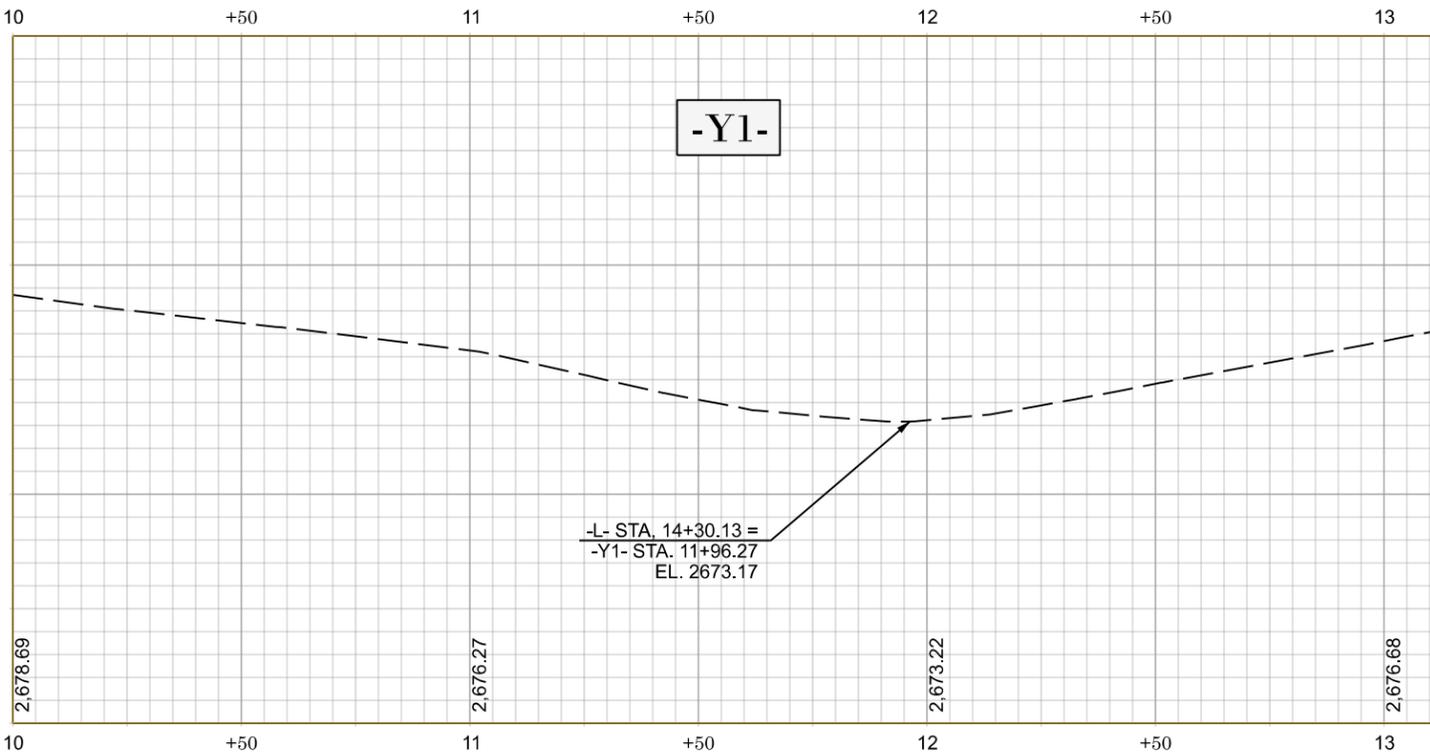
**\*\* BRIDGE WAS WASHED OUT BY HURRICANE HELENE**

TOTAL APPROX. EXCAVATION = 140 cu yds

LOW CHORD AT CL  
 LOWEST LOW STEEL EXCAVATE TO ELEV. 2663.0  
 BANK STABILIZATION SEE DETAIL C  
 EXISTING BED PROFILE POST-STORM HELENE  
 EXISTING BED PROFILE PRE-STORM HELENE  
 THEORETICAL 100YR SCOUR

PROP 100 YR WS=2664.4'  
 EXCAVATE TO ELEV. 2663.0  
 BANK STABILIZATION SEE DETAIL C  
 PROP 25 YR WS=2663.6'  
 NWS ELEV. 2660.0'

FOR -L- PLAN, SEE SHEET 4



FOR -Y1- PLAN, SEE SHEET 4

DF18313.2100414.PR  
 ROW 005  
 NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 YANCEY COUNTY  
 ROADWAY DESIGN UNIT  
 ROADWAY DESIGN ENGINEER  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED  
 HYDRAULICS ENGINEER  
 PRELIMINARY PLANS  
 PREPARED BY  
 J. W. HERRILL  
 ENGINEERING  
 1223 JONES FRANKLIN ROAD  
 RALEIGH, NC 27606  
 (919) 851-8077  
 NC LICENSE P-0377  
 BUCKEYE BRIDGE, LLC  
 P.O. BOX 1367  
 CANTON, NC 28716  
 (828) 648-4311

RELEASE FOR CONSTRUCTION  
 DATE: \_\_\_\_\_

REVISIONS

