



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JOSH STEIN  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

September 15, 2025

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for Replacement of Bridge 62 over Cove Creek on SR 1500 (Poplar Cove Road) in Haywood County, Division 14, **WBS DF18313.2044210.**

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-2025-01541 Dated September 15, 2025	March 14, 2026*
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification, ID: 202501043 v1 Dated September 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**  
**WRDA TRANSPORTATION BRANCH**  
**69 DARLINGTON AVE**  
**WILMINGTON NORTH CAROLINA 28403**

September 15, 2025

Regulatory Division  
SAW-2025-01541

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

NC Department of Transportation  
Natural Environment Section  
Mr. Michael Turchy  
1598 Mail Service Center  
Raleigh, NC 27699-1598

Dear Mr. Turchy:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, WRDA/Transportation Branch on August 11, 2025, for a Department of the Army Nationwide Permit (NWP) verification. This project has been assigned the file number SAW-2025-01541 and is known as the Br 62 (DF18313.2044210) project. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work involves the permanent replacement of a bridge that was critically damaged by the Helene storm event and was temporarily replaced with two corrugated metal pipes. Impacts from the emergency repair have already occurred so this permit verification authorizes the emergency repairs after the fact. A new single-span, 50-foot-long bridge will replace the damaged bridge, and the temporary crossing will be removed. Specific impacts include the permanent impact to 63 lf of stream channel due to bank stabilization and the temporary impact to 40 lf of stream channel due to the temporary pipe placement. The project is located where Poplar Cove Road crosses Cove Creek, south of the intersection of Poplar Cove Road with Betsy's Gap Road in Fines Creek, Haywood County, North Carolina at Latitude 35.676300 and Longitude -82.932200.

We have determined that the proposed work is authorized by 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 general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until March 14, 2026, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Project Specific Special Conditions:

1. This Department of the Army permit does not authorize you to take an endangered species, in particular the federally listed or proposed gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalis*), tricolored bat (*Perimyotis subflavus*), and northern long-eared bat (*Myotis septentrionalis*, NLEB). In order to legally take a listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or a BO under ESA Section 7, with "incidental take" provisions with which you must comply). The enclosed U.S. Fish and Wildlife Service Biological Opinion (BO) contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that is also specified in the BO. Your authorization under this permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take of the attached BO, which terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with incidental take of the BO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your permit. The U.S. Fish and Wildlife Service is the appropriate authority to determine compliance with the terms and conditions of its BO, and with the ESA.

This NWP verification 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 Crystal Amschler, Project Manager of the WRDA/Transportation Branch at 828-526-6013, by mail at the above address, or by email at [crystal.c.amschler@usace.army.mil](mailto:crystal.c.amschler@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  
USACE - Wilmington District

Enclosures

<b>U.S. Army Corps of Engineers (USACE)</b> <b>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</b> 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.		<b>Form Approved -</b> <b>OMB No. 0710-0003</b> <b>Expires 2027-10-31</b>												
<b>The Agency Disclosure Notice (ADN)</b>														
<p>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 <a href="mailto:whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil">whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil</a>. 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.</p>														
<p><b>PURPOSE:</b> This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.</p> <p>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.</p>														
<p>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.</p> <p>The certification can be submitted by email at <a href="mailto:crystal.c.amschler@usace.army.mil">crystal.c.amschler@usace.army.mil</a> or by mail at the below address:</p> <div style="text-align: center; margin-top: 20px;">       U.S. Army Corps of Engineers        Wilmington District Office        Street Address: 151 Patton Ave Rm 208        City: Asheville      State: North Carolina      Zip Code: 28801     </div>														
<b>COMPLETED BY THE CORPS</b>														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Corps Action Number:</td> <td>SAW-2025-01541</td> </tr> <tr> <td>Permit Type: <u>General Permit</u></td> <td></td> </tr> <tr> <td>General Permit Number and Name (<i>if applicable</i>):</td> <td></td> </tr> <tr> <td>Name of Permittee:</td> <td>Michael Turchy</td> </tr> <tr> <td>Project Name:</td> <td>the Br 62 (DF18313.2044210) project</td> </tr> <tr> <td>Project Location (<i>physical address</i>):</td> <td>Poplar Cove Road crosses Cove Creek, in Fines Creek Haywood County, North Carolina</td> </tr> </table>			Corps Action Number:	SAW-2025-01541	Permit Type: <u>General Permit</u>		General Permit Number and Name ( <i>if applicable</i> ):		Name of Permittee:	Michael Turchy	Project Name:	the Br 62 (DF18313.2044210) project	Project Location ( <i>physical address</i> ):	Poplar Cove Road crosses Cove Creek, in Fines Creek Haywood County, North Carolina
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Project Location ( <i>physical address</i> ):	Poplar Cove Road crosses Cove Creek, in Fines Creek Haywood County, North Carolina													
<b>PERMITTEE'S CERTIFICATION</b>														
<p>Date Work Started: _____</p> <p>Date Work Completed: _____</p> <p>Enclose photographs showing the completed project (<i>if available</i>).</p> <p>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.</p>														
Name	Date	Signature												

401

# Certification (NCDWR)

**JOSH STEIN**  
Governor

**D. REID WILSON**  
Secretary

**RICHARD E. ROGERS, JR.**  
Director



**NORTH CAROLINA**  
*Environmental Quality*

September 9, 2025

DWR # 20251043  
Haywood County

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

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

**Subject: Approval of Individual 401 Water Quality Certification**  
Replace Bridge 62 on SR 1500

**Location:** 35.6763 / -82.9322

Dear Mr. Turchy:

Attached hereto is a copy of Certification No. WQC008146 issued to Mr. Michael Turchy and The North Carolina Department of Transportation (NCDOT) dated September 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].

The issuance of this certification does not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by other government agencies (i.e. local, state, and federal) having jurisdiction, including but not limited to applicable buffer rules, stormwater management rules, soil erosion and sedimentation control requirements, etc.

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:

*Faith Hardin*

3185423002EA45E...

Faith Hardin, Supervisor

401 & Buffer Transportation Permitting Branch

Electronic cc: Crystal Amschler, US Army Corps of Engineers, Asheville Field Office  
Patrick Breedlove, Division 14 PDEA Engineer  
Holland Youngman, US Fish and Wildlife Service  
Dave McHenry, NC Wildlife Resources Commission  
Transportation Permitting Branch Electronic file

Filename: 20251043\_ Bridge 62 over Cove Creek on SR 1500\_Approval\_20250909.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** #WQC008146 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 August 11, 2025, with additional information received on August 29, 2025, and by Public Notice issued by the Division on August 11, 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 ft)	Temporary Fill in Perennial Stream (linear ft)	Total Stream Impact (linear ft)	Stream Impacts Requiring Mitigation (linear ft)
S1 Bank stabilization	*63	-	63	0
S2 Temporary emergency culvert	-	40	40	0
S3 Temporary workpad	-	40	40	0
S4 Dewatering	-	22	22	0
<b>Total</b>	63	80	165	0

\*Permanent impact, not permanent loss. Mitigation not required.

**Total Stream Impact for Project: 165 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 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 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)]
5. 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 NCS000250 [delete if non-DOT project], 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)]
6. 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)]
7. 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)] The turbidity standard of 10 NTUs (Nephelometric Turbidity Units) shall not be exceeded as described in 15 A NCAC 02B .0200. Appropriate sediment and erosion control practices must be used to meet this standard. [15A NCAC 02B .0211 (21)]
8. 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)]



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 September 2025

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: DF18314.2044210 TIP/Proj No: County(ies): Haywood Page 1 of 2

## General Project Information

WBS Element:	DF18314.2044210	TIP Number:		Project Type:	Bridge Replacement	Date:	5/6/2025
NCDOT Contact:	Zachary Shuler, PE			Contractor / Designer:	Edward Vance, PE		
	Address:	345 Toot Hallow Road Bryson City, NC 28713			Address:	3600 Arco Corporate Drive, Suite 135 Charlotte, NC 28273	
	Phone:	828-488-0902			Phone:	704-287-9684	
	Email:	ztshuler@ncdot.gov			Email:	eddie.vance@carolina-tea.com	
City/Town:	Fines Creek, NC			County(ies):	Haywood		
River Basin(s):	French Broad			CAMA County?	No		
Wetlands within Project Limits?	No						

## Project Description

Project Length (lin. miles or feet):	340 feet	Surrounding Land Use:	Mountainous, Agricultural					
	Proposed Project		Existing Site					
Project Built-Upon Area (ac.)	0.2	ac.	0.1	ac.				
Typical Cross Section Description:	2 - 10' paved lanes with 3' grass shoulders without guardrail; 7' grass shoulders with guardrail.			2 - 8' gravel lanes with 0-3' grass shoulders. No guardrail.				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	N/A	Year:	N/A	Existing:	100	Year:	2025

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

This project is an emergency replacement of Haywood County Bridge #062 due to Hurricane Helene over Cove Creek near Fines Creek, NC. The project is on Poplar Cove Road (SR-1500). The drainage area for Cove Creek at the crossing is 4.1 square miles and is not located within a FEMA regulated floodplain. The existing single span, 26-foot long bridge is being replaced with a single span 50-feet at a 45-degree skew. The new bridge is shifted 45-feet downstream to allow for stage construction.

No concentrated stormwater runoff will discharge directly into Cove Creek. Stream banks will be stabilized with Class-I Riprap.



## North Carolina Department of Transportation

Highway Stormwater Program  
STORMWATER MANAGEMENT PLAN  
FOR NCDOT PROJECTS

(Version 3.02; Released April 23, 2024)

WBS Element: DF18314.2044210 TIP/Proj No.: County(ies): Haywood Page 2 of 2

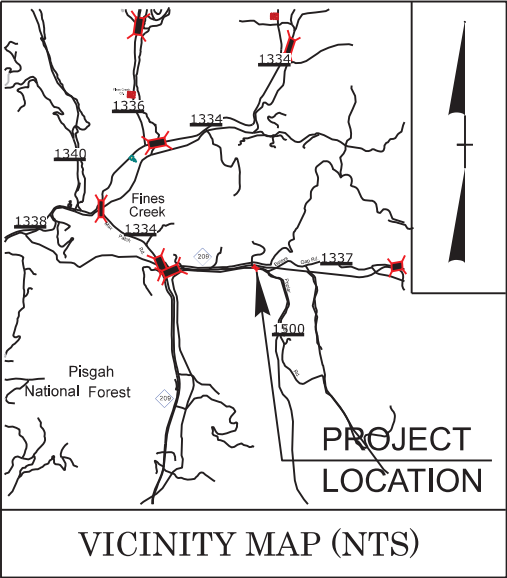
## General Project Information

## Waterbody Information

Surface Water Body (1):	Cove Creek		NCDWR Stream Index No.:	5-32-8	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		None		
Other Stream Classification:	None				
Impairments:	None				
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:	N/A		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?	
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)					

TIP PROJECT: DF18314.2044210

CONTRACT:

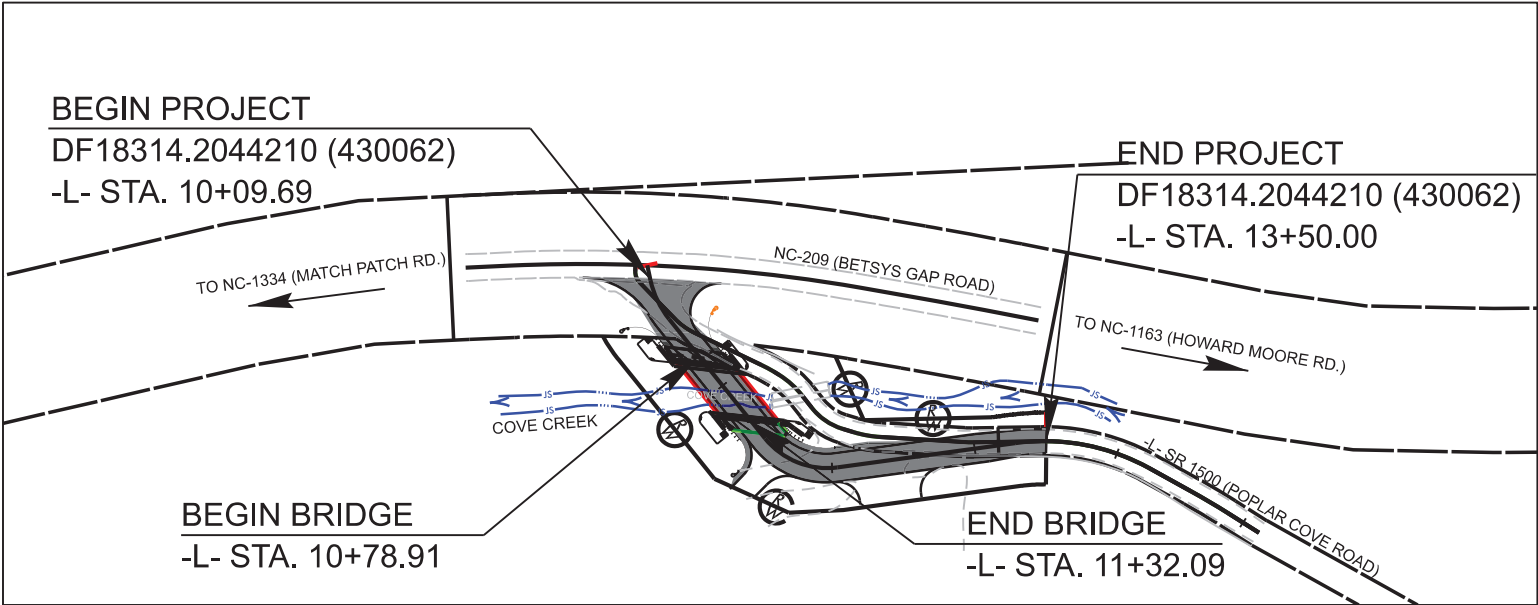
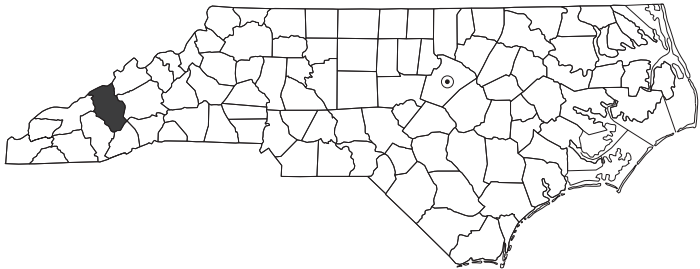


VICINITY MAP (NTS)

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
  
HAYWOOD COUNTY

LOCATION: *BRIDGE #430062 ON SR 1500 (POPLAR COVE ROAD)  
OVER COVE CREEK*

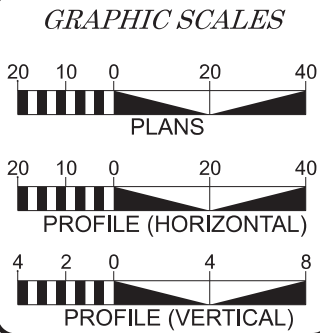
TYPE OF WORK: *GRADING, DRAINAGE, PAVING, AND STRUCTURE*



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18314.2044210	11	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

WETLAND AND SURFACE  
WATER IMPACTS  
07-30-2025

PERMIT DRAWING  
SHEET 1 OF 5



DESIGN DATA  
ADT 2025 = 100

V = 25 MPH  
FUNC CLASS = LOCAL  
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT DF18314.2044210 = 0.054 MILES  
LENGTH OF STRUCTURE TIP PROJECT DF18314.2044210 = 0.010 MILES  
TOTAL LENGTH OF TIP PROJECT DF18314.2044210 = 0.064 MILES

**CarolinaTEA**  
Carolina Transportation Engineers & Associates, PC

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

3700 ARCO CORPORATE DR. ST. #405  
CHARLOTTE, N.C. 28273

DEREK STATON, PE  
PROJECT ENGINEER

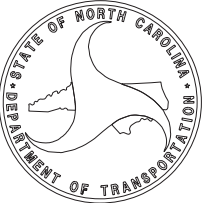
HISHAM ABDELAZIZ, PE  
PROJECT DESIGN ENGINEER

ZACHARY SHULER, PE  
NCDOT CONTACT

HYDRAULICS ENGINEER

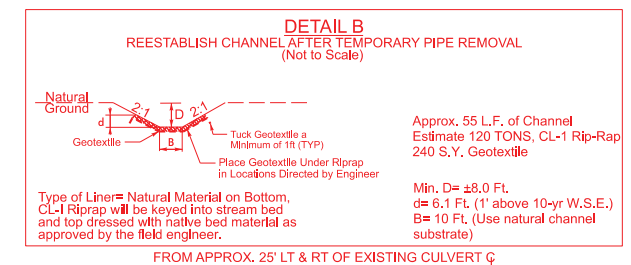
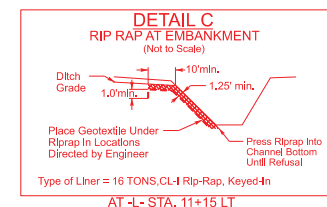
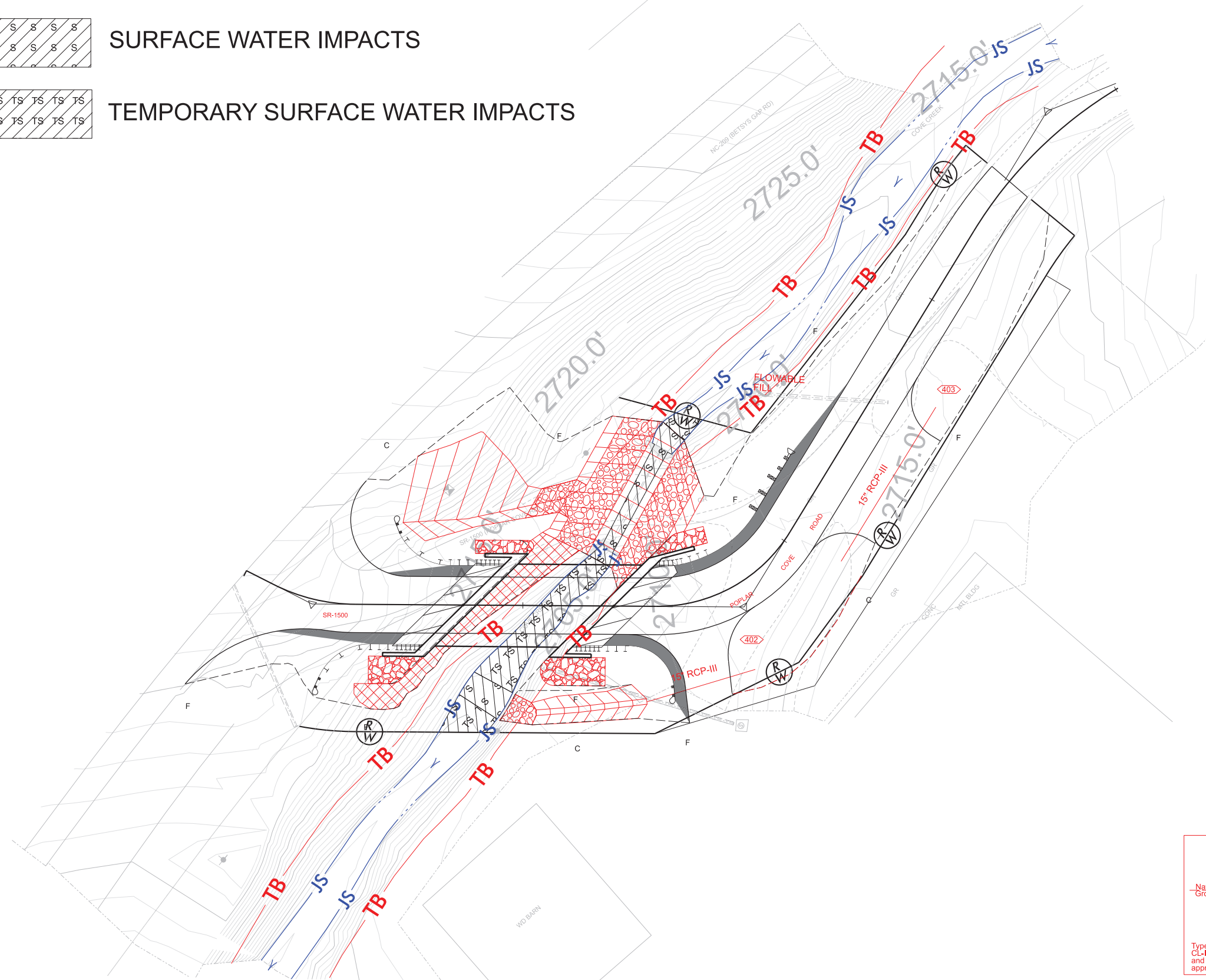
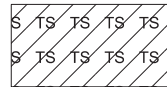
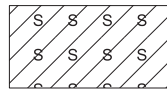
SIGNATURE: \_\_\_\_\_ P.E.  
ROADWAY DESIGN ENGINEER

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



PERMIT DRAWING  
SHEET 2 OF 5

## TEMPORARY SURFACE WATER IMPACTS

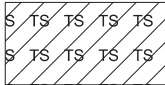


PERMIT DRAWING  
SHEET 3 OF 5

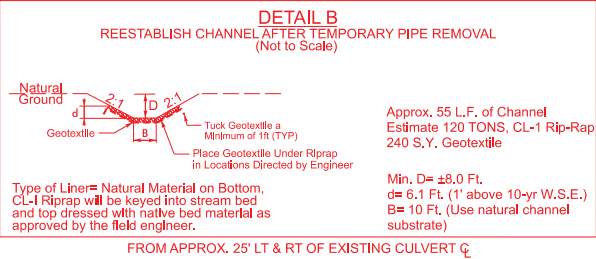
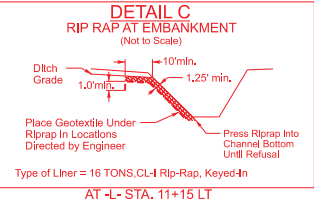
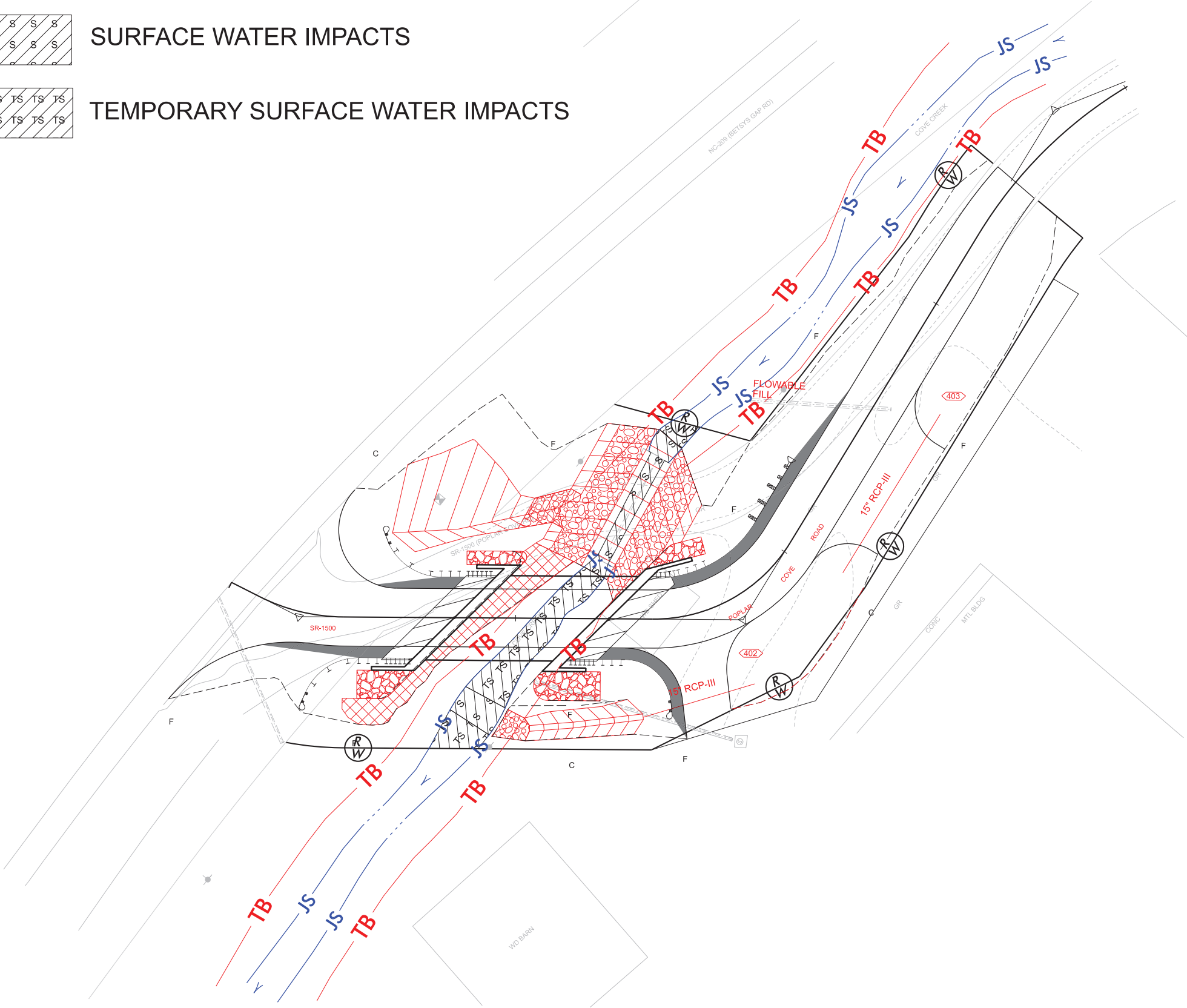
LEGEND



SURFACE WATER IMPACTS

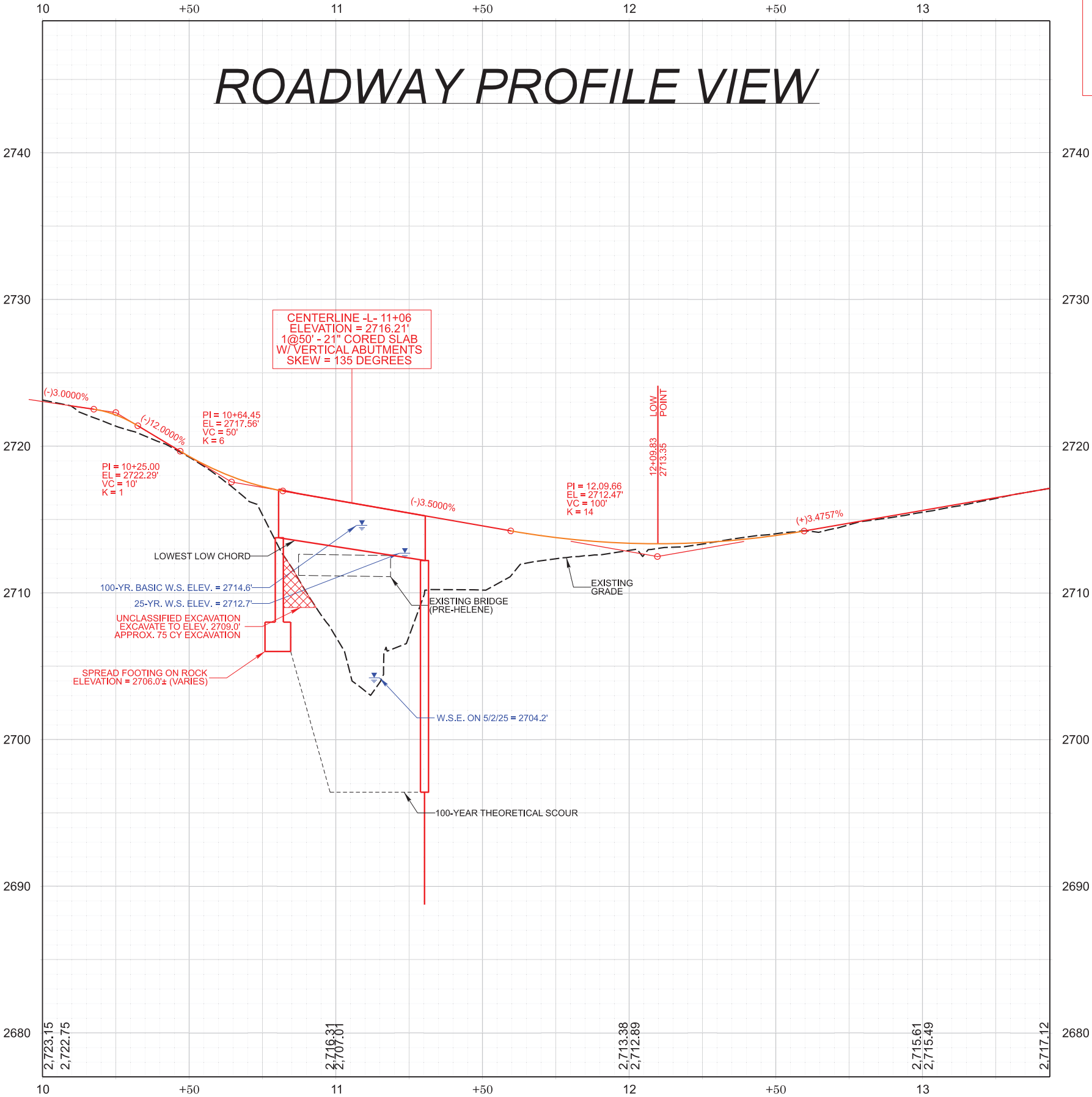


TEMPORARY SURFACE WATER IMPACTS





PERMIT DRAWING  
SHEET 4 OF 5



WETLAND AND SURACE 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+06	PROP. BRIDGE CONST.							0.02		75	
1	-L- 11+06 (RT)	RIP RAP AT EMBANKMENT						< 0.01		10		
1	-L- 11+06 (LT)	RIP RAP AT EMBANKMENT						< 0.01		53		
TOTALS*:								0.01	0.02	63	75	0

NOTES:

SHEET 5 OF 5