



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

January 3, 2024

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 Bridge 35 on NC 770 over the Mayo River in Rockingham County, Division 7, **TIP: BR-0093.**

Please find enclosed the following permits for this project:

| Agency | Permit Type | Permit Expiration |
|---|-------------------------------------|-------------------|
| US Army Corps of Engineers Section 404 Clean Water Act Permit | Nationwide Permit 14 | March 14, 2026 |
| NC Division of Water Resources Section 401 Water Quality Certification | Individual Certification No. 006424 | March 14, 2026 |

Work is authorized by the above referenced permit provided it is accomplished in strict accordance with the permitted plans. The Environmental Coordination and Permitting Group or the Division Environmental Office must be consulted if any deviation from the permit(s) is required.

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

The Project Commitments "Greensheet" is located on the Preconstruction SharePoint Dashboard at:
<https://connect.ncdot.gov/site/preconstruction>

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. **SAW-2023-02219**

County: **Rockingham County**

U.S.G.S. Quad: **Mayodan**

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Permittee: **Michael Turchy**
NC Department of Transportation

Address: **Natural Environment Unit**
Raleigh NC, 27699-1598

Telephone Number: **(919)707-6108 (Erin Cheely)**

Size (acres) **N/A** Nearest Town **Stoneville**

Nearest Waterway **Mayo River** River Basin **Roanoke**

USGS HUC **03010103** Coordinates Latitude: **36.471023**; Longitude: **-79.950666**

Location description: **Bridge No. 35 over the Mayo River, on NC 770, west of Stoneville, NC**

Description of projects area and activity: **TIP BR-0093, impacting 187 linear feet (0.22 acre) of tributary (167 linear feet (0.04 acre) bank stabilization, 20 linear feet (0.04 acre) dewatering, 0.14 acre temporary work pads) #**

Applicable Law: ☒ Section 404 (Clean Water Act, 33 USC 1344);
☐ Section 10 (Rivers and Harbors Act, 33 USC 403)

Authorization: Nationwide Permit Number: **NWP 14 Linear Transportation Projects**
SEE ATTACHED NWP GENERAL, REGIONAL AND/OR SPECIAL CONDITIONS

Your work is authorized by the above referenced permit provided it is accomplished in strict accordance with the attached conditions and your submitted application and attached information dated November 15, 2023. Any violation of the attached conditions or deviation from your submitted plans may subject the permittee to a stop work order, a restoration order, a Class I administrative penalty, and/or appropriate legal action.

This verification will remain valid until the expiration date identified below unless the nationwide and/or regional general permit authorization is modified, suspended or revoked. If, prior to the expiration date identified below, the nationwide and/or regional general permit authorization is reissued and/or modified, this verification will remain valid until the expiration date identified below, provided it complies with all requirements of the modified nationwide permit. If the nationwide and/or regional general permit authorization expires or is suspended, revoked, or is modified, such that the activity would no longer comply with the terms and conditions of the nationwide permit, activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon the nationwide and/or regional general permit, will remain authorized provided the activity is completed within twelve months of the date of the nationwide and/or regional general permit's expiration, modification or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend or revoke the authorization.

This Department of the Army verification does not relieve the permittee of the responsibility to obtain any other required Federal, State or local approvals/permits.

If there are any questions regarding this verification, any of the conditions of the Permit, or the Corps of Engineers regulatory program, please contact **Eric Alsmeyer at (919) 817-1570 or Eric.C.Alsmeyer@usace.army.mil.**

Corps Regulatory Official: Monte Matthews 2024.01.02 12:36:39 -05'00' Date: **January 2, 2024**
Expiration Date of Verification: **March 14, 2026**

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at <https://regulatory.ops.usace.army.mil/customer-service-survey/>

SPECIAL CONDITIONS

1. **Boater Safety Plan:** NCDOT shall implement the attached BOATER SAFETY PLAN DURING CONSTRUCTION OF BRIDGENO.35, dated January 2024.
2. **Causeways:** The temporary causeways shall not block more than 50% of streamflow at one time.
3. **Tri-colored bat:** The U.S. Fish and Wildlife Service's (USFWS's) Programmatic Conference Opinion (PCO) titled "NCDOT Program Effects on the Tricolored Bat in Divisions 1-8", dated November 20, 2023, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that are specified in the PCO. Your authorization under this Corps permit is conditional upon your compliance with all the mandatory terms and conditions associated with incidental take of the PCO, 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 PCO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your Corps permit. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PCO, and with the ESA.
4. **NLEB:** The Wilmington District, Federal Highway Administration, U.S. Fish and Wildlife Service (USFWS), and the North Carolina Department of Transportation (NCDOT) have conducted programmatic Section 7(a)(2) consultation for the Northern long-eared bat (NLEB) for NCDOT projects located in Divisions 1-8. The result of this programmatic consultation is a Programmatic Biological Opinion (PBO) issued by the USFWS titled, "Programmatic Biological Opinion – Revised, NCDOT Program Effects on the Northern Long-eared Bat in Divisions 1-8", dated December 15, 2022. This PBO contains agreed upon conservation measures which would minimize take of NLEB. As noted in the PBO, applicability of these conservation measures varies depending on the location of the project. The USFWS has documented that no reasonable and prudent measures, nor terms and conditions, are necessary or appropriate to minimize the amount or extent of incidental take of NLEB caused by the Action; therefore, the incidental take statement does not provide reasonable and prudent measures for this species. Department of the Army (DA) authorization under general permit or standard permit (Individual Permit) is conditional upon the permittee's compliance with applicable, agreed upon conservations measures of the PBO, which is incorporated by reference in this verification letter. Failure to comply with the applicable conservation measures, where a take of the NLEB occurs, would constitute an unauthorized take by the permittee, and would also constitute permittee non-compliance with this verification letter. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PBO and the ESA. All PBOs can be found on our website at: <https://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Agency-Coordination/ESA/>.

Action ID Number: SAW-2023-02219

County: Rockingham County

Permittee: Michael Turchy
NC Department of Transportation

Project Name: NCDOT / BR-0093 / Bridge 35 on NC 770 over the Mayo River / Rockingham County / Div 7

Date Verification Issued: January 2, 2024

Project Manager: Eric Alsmeyer

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

US ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT
Attn: Eric Alsmeyer
Raleigh Regulatory Field Office
3331 Heritage Trade Drive, Suite 105
Wake Forest, NC 27587
919.554.4884, Ext. 23

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and condition of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

BR-0093 REPLACEMENT OF BRIDGE NO. 35
NC 770 OVER MAYO RIVER
ROCKINGHAM COUNTY

BOATER SAFETY PLAN
DURING CONSTRUCTION OF BRIDGE NO. 35
January 2024



BOATER SAFETY PLAN

The intent of the Boater Safety Plan is to inform the NC Wildlife Resources Commission (NCWRC)-Enforcement, Rockingham County Emergency Management, Mayo River State Park officials, Dan River Association program coordinator, construction workers and the public of boater safety during construction of Bridge No. 35.

The North Carolina Department of Transportation (NCDOT) Division 7 proposes to replace Bridge No. 35 on NC 770 over the Mayo River. Replacement of Bridge No. 35 will occur on the existing alignment with an offsite detour for vehicle traffic during construction. The offsite detour includes US 220, US 220 Business, and Janet Road. Public access under Bridge No. 35 will not be closed for the duration of construction activities.

Inform Stakeholders and the Public of Ongoing Construction Activities

NCDOT will contact the following local emergency services at least one month prior to road closure:

- Rockingham County Emergency Management – (336) 634-3017 Director Rodney Cates or Jay Brooks

NCDOT will contact the following local agencies to help notify the public of constraints/restrictions to boating on Mayo River:

- Mayo River State Park – Superintendent Sam Koch (336) 427-2530
- NCWRC – Enforcement – Hunter Purde (336) 932-5258
- Dan River Association – NC Program Coordinator (919) 864-6909

The construction contractor (here within “contractor”) must provide signage at the bridge project and at the Anglin Mill river access point upriver of the bridge to inform boaters of impacts to waterway access under Bridge No. 35. Signage must be displayed for a minimum of two (2) weeks prior to start of construction (this included the demolition of the existing bridge). Signage will include information about the project, contractor, NCWRC-Enforcement, Mayo River State Park, and Rockingham County Emergency management. Applicable postal addresses and telephone numbers will be included to accommodate written and verbal public inquiries, report of damage, report of concerns, and general comments. A map showing the location of the Anglin Mill river access point, relative to the project, is included in the Appendix.

BOATER SAFETY PLAN DURING CONSTRUCTION OF BRIDGE NO. 35

NCDOT will develop an erosion control and sedimentation plan as part of the design. The erosion control and sedimentation plan will include provisions for construction entrances and temporary rock causeways, which will limit public access to the project area. The contractor must adhere to the erosion and sedimentation control plan.

Construction entrances are considered part of the project and addressed in the contractor's erosion and sedimentation control plan. Construction equipment and workers will access Bridge No. 35 from the shoreline and temporary rock causeways. The contractor will ensure that Mayo River shorelines and adjacent properties are not disturbed or damaged due to construction activities.

The contractor must provide barriers that are signed, marked, and illuminated consistent with Uniform Waterway Marking System and in accordance with NCDOT guidelines and standards.:

The contractor must follow specifications and procedures included in design plans regarding lead containing paint removal and disposal, asbestos assessment, and asbestos containing material removal and disposal. The contractor must perform the removal of the existing bridge so as not to allow debris to fall into the water.

Continue Public Preparation of Required Safety Equipment

The public is encouraged to observe the following NCWRC safety regulations to avoid conflicts between public use of the river and construction activities:

- All recreational vessels must have one Type I, II, or III Personal Floatation Device (PFD) approved by the USCG and of appropriate size for each person aboard.
- All recreational vessels 16 feet in length and over must have one Type I, II, or III PFD of appropriate size for each person aboard, and in addition, one throwable Type IV PFD (ring buoy or buoyant cushion).
- Vessels less than 40 feet in length, while not required to have a horn or whistles and bells, should be provided with some means of making an efficient sound signal.
- Vessels operating at night (no personal watercrafts) are required to display navigation lights between sunset and sunrise.
- Vessels of 10 horsepower or less may carry from one-half hour after sunset to one-half hour before sunrise a white light in the stern or have on board a hand flashlight in good working condition which shall be ready at hand and shall be temporarily displayed in sufficient time to prevent collision.
- Vessels under oars and sailboats less than 23 feet in length may display navigation lights or have ready at hand an electric torch or lighted lantern shining a white light which shall be exhibited in sufficient time to prevent collision.

Supplement Safety Procedures to Include Construction Activity Awareness

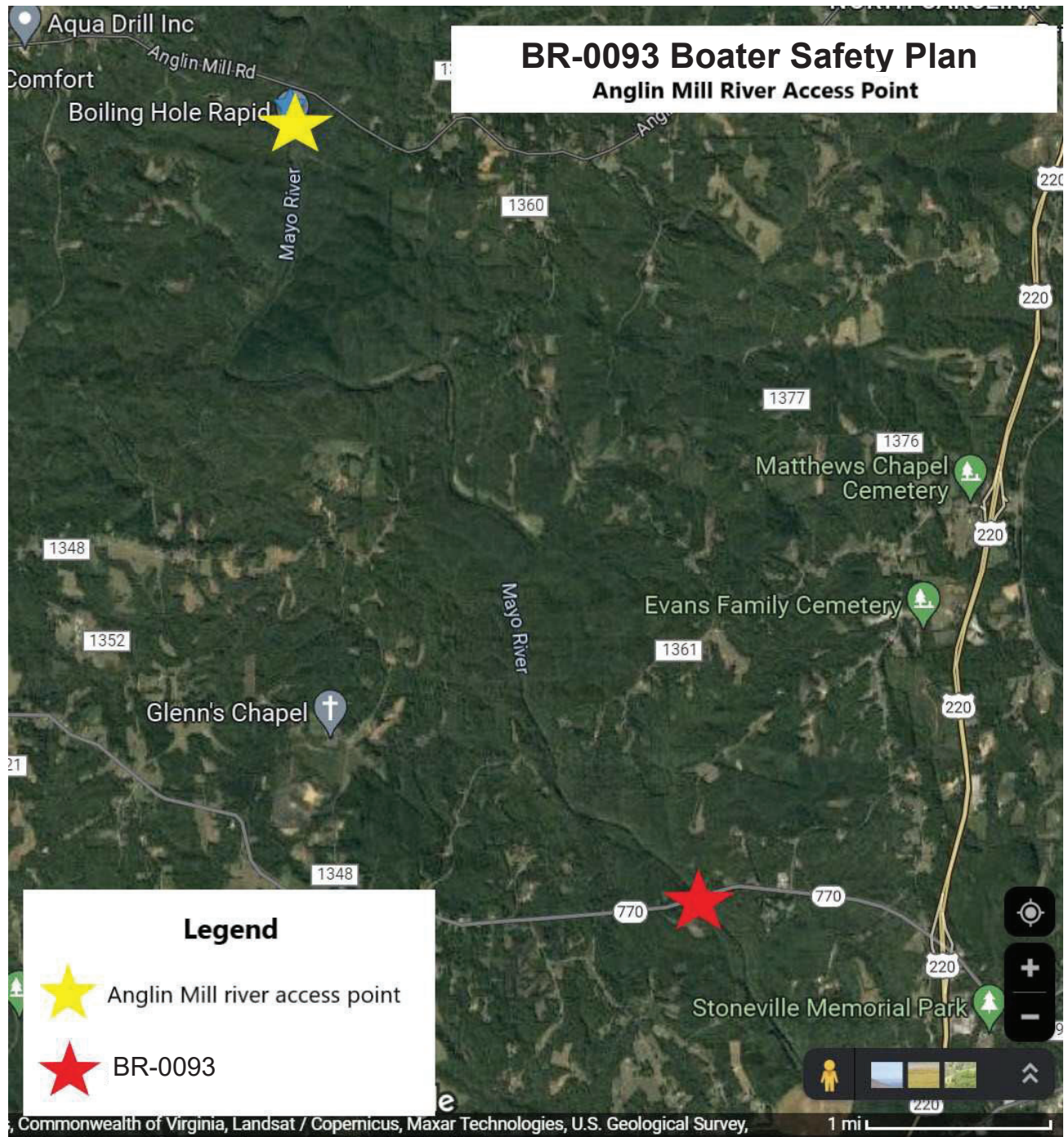
The Boater Safety Plan During Construction of Bridge No. 35 provides additional safety procedures for operation of recreational on the Mayo River.

BOATER SAFETY PLAN DURING CONSTRUCTION OF BRIDGE NO. 35

- Obey local and state boating laws.
- Alcohol is prohibited in all USACE recreation areas.
- Smoking is prohibited in USACE facilities (restrooms and shower houses).
- Possession of loaded firearms, ammunition, loaded projectile firing devices, bows and arrows, crossbows, or other weapons is prohibited in USACE recreation areas outside of federal and state authorized shooting ranges and hunting sites.
- Observe navigational “rules of the road” as required by North Carolina law.
- Do not operate a personal watercraft between sunset and sunrise.
- Do not operate vessels or personal water crafts under the influence of alcohol or drugs.
- Do not operate vessels at speeds prohibited by local and State boating laws, or excessive speeds which endangers persons or property.
- Do not operate vessels in a reckless or negligent manner so as to endanger the life, limb or property of any person.
- Observe placards displayed at boat launch loading areas informing boaters of impacts to waterway access under Bridge No. 35.
- Observe signs and markings in place around the construction area.
- Stay 25 feet away from temporary rock causeways around the construction area.

The Boater Safety Plan During Construction of Bridge No. 35 will be coordinated with Mayo River State Park staff and the Dan River Association. This plan takes effect two (2) weeks prior to the start of construction and will terminate at the end of construction.

APPENDIX



ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

RICHARD E. ROGERS, JR.

Director



NORTH CAROLINA
Environmental Quality

December 19, 2023

Ms. Erin Cheely
NCDOT
1598 Mail Service Center
Raleigh, NC 27699-1598
ekcheely@ncdot.gov

Subject: 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with
ADDITIONAL CONDITIONS for the proposed replacement of Bridge 35 on NC 770 over the
Mayo River, Rockingham County. STIP No. BR-0093. NCDWR Project No. 20231549

Dear Ms. Cheely,

Attached hereto is a copy of Certification No. 006424 issued to the NCDOT dated December 19th, 2023.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

DocuSigned by:

Amy Chapman

Richard E. Rogers, Jr. Director
Division of Water Resources

Electronic copy only distribution:

Eric Alsmeyer, US Army Corps of Engineers, Raleigh Field Office
Michael A. Turchy, NCDOT Environmental Group Leader

401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with ADDITIONAL CONDITIONS.

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Resources (NCDWR) Regulations in 15 NCAC 2H .0500. This certification authorizes the NCDOT to impact 187 linear feet of jurisdictional streams in Rockingham County. The project shall be constructed pursuant to the application dated received November 15, 2023. The authorized impacts are as described below:

Stream Impacts in the Roanoke River Basin

| Site | Perm. Fill in Perennial Stream (linear ft) | Temp. Fill in Perennial Stream (linear ft) | Total Stream Impact (linear ft) | Stream Impacts Requiring Mitigation (linear ft) |
|------------------------|---|---|--|--|
| S1- Bank Stabilization | 167 | 20 | 187 | |
| Totals | 167 | 20 | 187 | |

Total Stream Impacts: 187 linear feet.

The application provides adequate assurance that the discharge of fill material into the waters of the Roanoke River Basin in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application dated received November 15, 2023. Should your project change, you are required to notify the NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If any additional wetland impacts, or stream impacts, for this project (now or in the future) exceed one acre or 150 linear feet, respectively, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (h) (6) and (7).

For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations. This Certification shall expire on the same day as the expiration date of the corresponding Corps of Engineers Permit.

This Water Quality Certification neither grants nor affirms any property right, license, or privilege in any lands or waters, or any right of use in any waters. This Water Quality Certification does not authorize any person to interfere with the riparian rights, littoral rights, or water use rights of any other person and does not create any prescriptive right or any right of priority regarding any usage of water. This Water Quality Certification shall not be interposed as a defense in any action respecting the determination of riparian or littoral rights or other rights to water use. No consumptive user is deemed by virtue of this Water Quality Certification to possess any prescriptive or other right of priority with respect to any other consumptive user regardless of the quantity of the withdrawal or the date on which the withdrawal was initiated or expanded. Upon the presentation of proper credentials, the Division may inspect the property.

Condition(s) of Certification:**Project Specific Conditions**

1. If multiple pipes or barrels are required, they shall be designed to mimic natural stream cross section as closely as possible including pipes or barrels at flood plain elevation and/or sills where appropriate. Widening the stream channel should be avoided. Stream channel widening at the inlet or outlet end of structures typically decreases



water velocity causing sediment deposition that requires increased maintenance and disrupts aquatic life passage. [15A NCAC 02H.0506(b)(2)]

2. Riprap shall not be placed in the active thalweg channel or placed in the streambed in a manner that precludes aquatic life passage. Bioengineering boulders or structures should be properly designed, sized and installed. [15A NCAC 02H.0506(b)(2)]
3. The stream channel shall be excavated no deeper than the natural bed material of the stream, to the maximum extent practicable. Efforts must be made to minimize impacts to the stream banks, as well as to vegetation responsible for maintaining the stream bank stability. Any applicable riparian buffer impact for access to stream channel shall be temporary and be revegetated with native riparian species. [15A NCAC 02H.0506(b)(2)]
4. 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)].
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 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)]

General Conditions

1. 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]
2. During the construction of the project, no staging of equipment of any kind is permitted in waters of the U.S., or protected riparian buffers. [15A NCAC 02H.0506(b)(2)]
3. 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)]
4. 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)]
5. 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)]
6. 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)]
7. 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)]
8. 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)]



9. 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)]
10. Discharging hydroseed mixtures and washing out hydro seeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]
11. 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]
12. 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)]
13. 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)]
14. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization 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]
15. 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.
16. 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)]
17. Upon completion of the project (including any impacts at associated borrow or waste sites), NCDOT project engineer (or appointee) shall complete and return the enclosed "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0502(f)]
18. 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)]
19. 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) and (c)(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.
20. Sediment and erosion control measures shall not be placed in wetlands or waters unless otherwise approved by this Certification. [15A NCAC 02H.0506(b)(3) and (c)(3)]
 21. 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 (c)(3) and 15A NCAC 02B.0200]
 22. 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 *NC DOT 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 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.
 23. 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.

This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or Coastal Area Management Act Permit. This Certification shall expire upon the expiration of the 404 or CAMA permit. Please be aware that impacting waters without first applying for and securing the issuance of a 401 Water Quality Certification violates Title 15A of the North Carolina Administrative Code (NCAC) 2H .0500. Title 15A NCAC 2H .0500 requires certifications pursuant to Section 401 of the Clean Water Act whenever construction or operation of facilities will result in a discharge into navigable waters, including wetlands, as described in 33 Code of Federal Regulations (CFR) Part 323. It also states any person desiring issuance of the State certification or coverage under a general certification required by Section 401 of the Federal Water Pollution Control Act shall file with the Director of the North Carolina Division of Water Quality. Violations of any condition herein set forth may result in revocation of this Certification and may result in criminal and/or civil penalties. Pursuant to G.S. 143-215.6A, these violations and any future violations are subject to a civil penalty assessment of up to a maximum of \$25,000.00 per day for each violation.

This approval and its conditions are final and binding unless contested [G.S. 143-215.5]. Please be aware that impacting waters without first applying for and securing the issuance of a 401 Water Quality Certification violates Title 15A of the North Carolina Administrative Code (NCAC) 2H .0500. Title 15A NCAC 2H .0500 requires certifications pursuant to Section 401 of the Clean Water Act whenever construction or operation of facilities will result in a discharge into navigable waters, including wetlands, as described in 33 Code of Federal Regulations (CFR) Part 323. It also states any person desiring issuance of the State certification or coverage under a general certification required by Section 401 of the Federal Water Pollution Control Act shall file with the Director of the North Carolina Division of Water Quality. Pursuant to G.S. 143-215.6A, these violations and any future violations are subject to a civil penalty assessment of up to a maximum of \$25,000.00 per day for each violation.

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 <http://www.ncoah.com/> 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:

William F. Lane, 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 the 19th day of December 2023

DIVISION OF WATER RESOURCES

DocuSigned by:

Amy Chapman

9C9886312DCD474...

Richard E. Rogers, Jr., Director

WQC No. 006424



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 Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.00; Released August 2021)

WBS Element: 67093.1.1 TIP/Proj No: BR-0093 County(ies): Rockingham Page 1 of 2

General Project Information

| | | | | | | | | | | | | |
|---------------------------------|----------|--|--|-------------|---------|------------------------|---------------|--|--|-------|-----------|--|
| WBS Element: | | 67093.1.1 | | TIP Number: | BR-0093 | | Project Type: | Bridge Replacement | | Date: | 8/25/2023 | |
| NCDOT Contact: | | Sara Sherman, PE | | | | Contractor / Designer: | | TGS Engineers / Ben Henegar, PE | | | | |
| | Address: | 1000 Birch Ridge Drive Raleigh, NC 27610 | | | | | Address: | 706 Hillsborough St. Suite 200 Raleigh, NC 27603 | | | | |
| | Phone: | (919) 707-6303 | | | | | Phone: | (919) 773-8887 ext. 123 | | | | |
| | Email: | sisherman1@ncdot.gov | | | | | Email: | bhenegar@tgsengineers.com | | | | |
| City/Town: | | Stoneville, NC | | | | County(ies): | | Rockingham | | | | |
| River Basin(s): | | Roanoke | | | | CAMA County? | | No | | | | |
| Wetlands within Project Limits? | | No | | | | | | | | | | |

Project Description

| | | | |
|--|---|-----------------------|--|
| Project Length (lin. miles or feet): | 0.170 miles | Surrounding Land Use: | State Park and Rural Residential |
| | | Proposed Project | Existing Site |
| Project Built-Upon Area (ac.) | 0.73 | ac. | 0.52 |
| Typical Cross Section Description: | Two 12' wide paved travel lanes, two 5' to 6' wide paved shoulders, and 2' to 3' graded shoulders, and side slopes ranging from 4(H):1(V) to 2(H):1(V). | | Two 12' wide paved travel lanes, 6' graded shoulders, and side slopes ranging from 4(H):1(V) to 2(H):1(V). |
| Annual Avg Daily Traffic (veh/hr/day): | Design/Future: | 2,800 | Year: 2045 |
| | Existing: | 2,315 | Year: 2024 |

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

BR-0093 involves the replacement of bridge No. 780035 on NC 770 over Mayo River in Rockingham County, NC. The proposed 290' long by 37.3' wide three-span 54" Florida I-Beam bridge would replace the existing 271' long by 33.4' wide five-span 45" PPC Girder bridge. The proposed grade will be approximately 1' above the existing grade at the bridge.

The proposed bridge will have no direct discharge into Mayo River (no deck drains). Stormwater runoff from the proposed bridge will flow to traffic bearing grated drop inlets at the east end of the bridge and will outlet to the south onto a Class I Rip-Rap outlet pad at the toe of embankment in the floodplain of Mayo River.

Project minimum measures include:

- >Maximizing Shoulder Section.
- >Minimizing Roadway Side Slopes.
- >Providing Adequate Ground Cover.
- >Stabilizing Embankments and Drainage Ditches.
- >Providing Adequate Energy Dissipation.
- >Utilizing Natural Features and Drainage Pathways - Existing drainage pathways were utilized to the maximum extent practicable.
- >Minimizing direct discharges from bridges.



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS

(Version 3.00; Released August 2021)

WBS Element: 67093.1.1

TIP/Proj No.: BR-0093

County(ies): Rockingham

Page 2 of 2

General Project Information

Waterbody Information

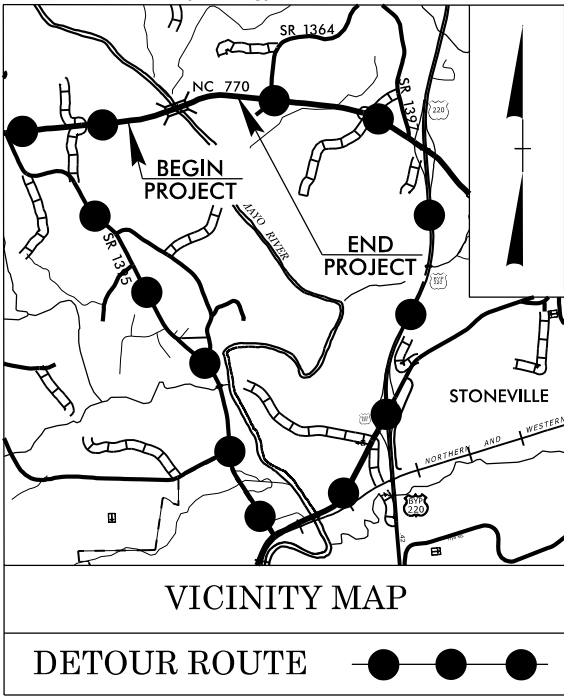
| | | | | | |
|--|------------------------------|--|-------------------------|--|----|
| Surface Water Body (1): | Mayo River | | NCDWR Stream Index No.: | 22-30-(5.5) | |
| NCDWR Surface Water Classification for Water Body | Primary Classification: | | Water Supply IV (WS-IV) | | |
| | Supplemental Classification: | | None | | |
| Other Stream Classification: | None | | | | |
| Impairments: | None | | | | |
| Aquatic T&E Species? | No | Comments: | | | |
| NRTR Stream ID: | Mayo River | | 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) | |
| (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) | | | | | |

09/08/09

TIP PROJECT: BR-0093

CONTRACT:

See Sheet 1A For Index of Sheets
See Sheet 1B For Symbology Sheet

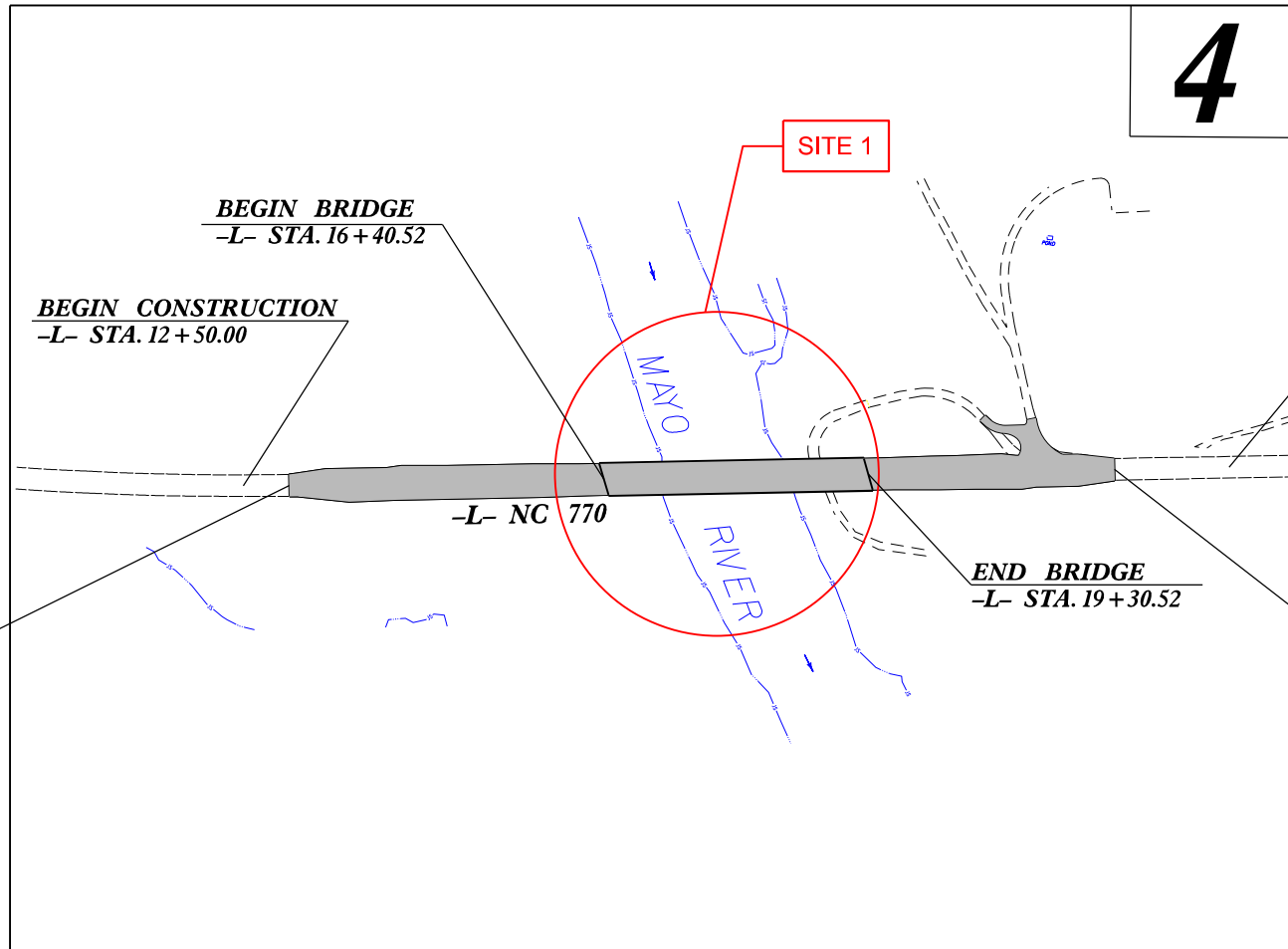


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ROCKINGHAM COUNTY

LOCATION: *BRIDGE 780035 ON NC 770 OVER MAYO RIVER*

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

WETLAND AND SURFACE WATER IMPACTS PERMIT



| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | BR-0093 | 11 | |
| STATE PROJ. NO. | F. A. PROJ. NO. | DESCRIPTION | |
| 67093.1.1 | N/A | PE | |
| 67093.2.1 | N/A | UTIL/RW | |
| 67093.3.1 | N/A | CONST. | |
| | | | |
| | | | |
| | | | |

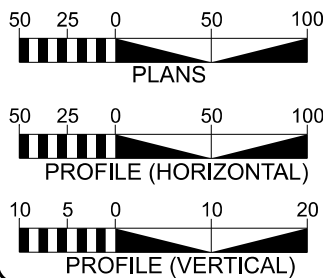
PERMIT DRAWING
SHEET 1 OF 5



THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II

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

GRAPHIC SCALES



DESIGN DATA

ADT 2024 = 2,315
ADT 2045 = 2,800
K = 9 %
D = 65 %
T = 10 % *
V = 60 MPH
* TTST 4% DUAL 6%
FUNC CLASS =
MAJOR COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT BR-0093 = 0.115 Mi.
LENGTH STRUCTURE TIP PROJECT BR-0093 = 0.055 Mi.
TOTAL LENGTH TIP PROJECT BR-0093 = 0.170 Mi.

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
JULY 14, 2023

LETTING DATE:
JUNE 18, 2024

SARA SHERMAN, PE
PROJECT MANAGER

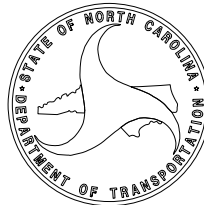
JORDAN WOODARD, PE
ROADWAY GROUP LEAD

HAN NGUYEN, PE
ROADWAY TEAM LEAD

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.
ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



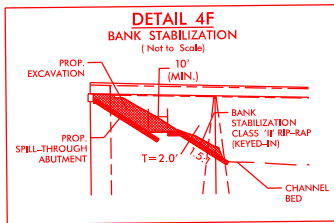
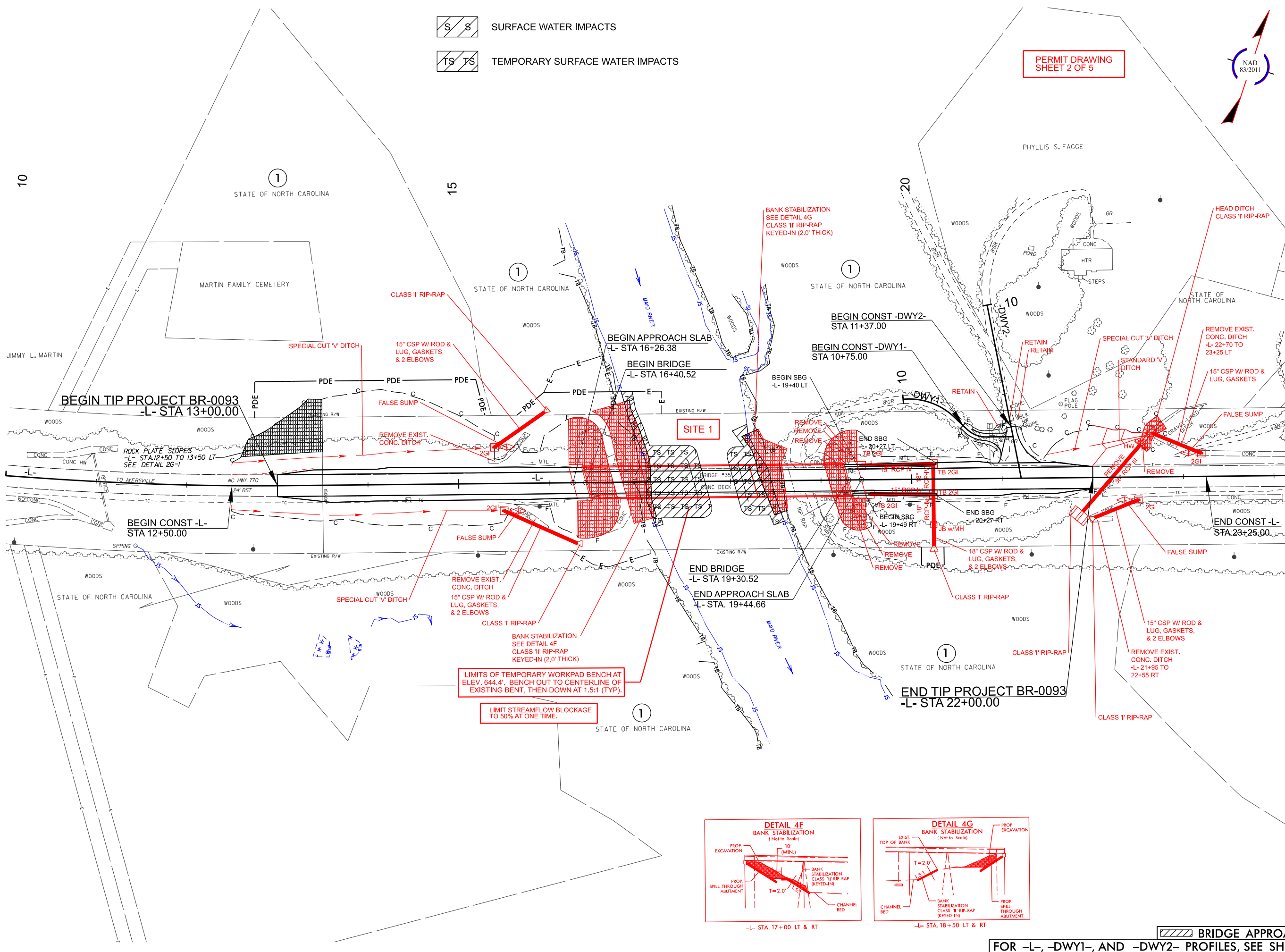


SURFACE WATER IMPACTS

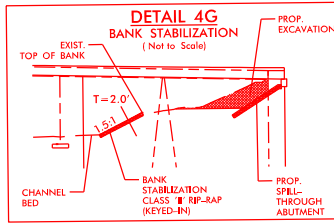


TEMPORARY SURFACE WATER IMPACTS

PERMIT DRAWING
SHEET 2 OF 5



-L- STA. 17+00 LT & RT



-L- STA. 18+50 LT & RT

BRIDGE APPROACH SLAB

FOR -L-, -DWY1-, AND -DWY2- PROFILES, SEE SHEET NO. 5

