




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

December 24, 2025

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for the Replacement of:
Buncombe Bridge 115 over Broad River on SR 2789 (Sand Branch Road)
Division 13, WBS DF18313.2011188.PR.

Please find enclosed the following permits for this project:

Agency	Permit Type	Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 3 Action ID: SAW-2025-02185 Dated December 23, 2025	March 14, 2026*
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification ID: 20251607 Dated December 8, 2025	expires with above Permit

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

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

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

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

404 Permit (USACE)



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

December 23, 2025

Regulatory Division
SAW-2025-02185

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

Dear Mr. Turchy,

This letter is in response to the application you submitted to the U.S. Army Corps of Engineers (USACE), Wilmington District, WRDA/Transportation Branch on December 3, 2025, for a Department of the Army general permit verification to replace a bridge that was damaged by **Hurricane Helene**. This project will replace **Bridge No. 115** over the Broad River on SR 2789 in Buncombe County, North Carolina (35.5320, -82.2585) and has been assigned file number SAW-2025-02185. In order to perform this work, NCDOT proposes to conduct the following activities in waters of the U.S.:

Summary of Proposed Impacts

Impact ID #	NWP / GP #	Open Water (ac)		Wetland (ac)		Stream (lf)	
		Temporary	Permanent	Temporary	Permanent	Temporary	Permanent
Site 1 (Broad River)	<u>NWP 3</u>					126' (0.006 ac) / dewater and construction access	105' / bank stabilization
Site 2 (UT to Broad River)	<u>NWP 3</u>					130' (0.006 ac) / dewater and construction access	25' / bank stabilization
Impact Totals		0	0	0	0	256' (0.012 ac)	130'
Total Loss of waters of the U.S. (wetlands and/or open waters)			0	Total Loss of waters of the U.S.			0
Required wetland compensatory mitigation			0	Required stream compensatory mitigation			0

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

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

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

This verification is valid until **March 14, 2026**, unless the subject RGP is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the RGP.

Project Specific Special Conditions:

1. This verification letter does not authorize you to take a federally listed species. In order to legally take a federally listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or a Biological Opinion (BO) under ESA Section 7, with “incidental take” provisions with which you must comply). The U.S. Fish and Wildlife Service (USFWS) issued a document titled, “Modified Biological and Conference Opinions and Informal Consultations – Batch Format, Replace Multiple Crossing Structures Destroyed by Tropical Storm Helene in Buncombe, Madison, McDowell, Rutherford, and Yancey Counties, North Carolina, Service Log #25-236 through 25-248” on July 8, 2025. This document contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with incidental take for bat species on this project. Your authorization under this verification letter and NWP 3 is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take listed in this document for the aforementioned species. Failure to comply with the terms and conditions associated with incidental take detailed in this document, where a take of a federally listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your verification letter and NWP 3. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its Opinion and with the ESA.

2. The permittee shall ensure that no more than 50% of river flow is constricted at any one time.

3. The permittee shall comply with conditions #1, 2, 4, and 5 of the attached letter from the North Carolina Wildlife Resources Commission dated December 4, 2025.

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

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

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

Sincerely,

A handwritten signature in black ink that reads "James Lastinger". The signature is fluid and cursive, with the first name "James" and last name "Lastinger" clearly distinguishable.

James Lastinger
Chief, Washington Regulatory Field Office
USACE, Wilmington District

Enclosures

U.S. Army Corps of Engineers (USACE) CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.		Form Approved - OMB No. 0710-0003 Expires 2027-10-31
The Agency Disclosure Notice (ADN)		
<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 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.</p>		
<p>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.</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 loretta.a.beckwith@usace.army.mil or by mail at the below address:</p> <div style="text-align: center; margin-top: 20px;"> <p>U.S. Army Corps of Engineers, Wilmington District</p> <p>Asheville Field Office</p> <p>Street Address: 151 Patton Avenue, Room 208</p> <p>Asheville, North Carolina 28801-5006</p> </div>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Corps Action Number:</div> <div style="width: 70%; border-bottom: 1px solid black;">SAW-2025-02185</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">Permit Type:</div> <div style="width: 70%; border-bottom: 1px solid black;">General Permit</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">General Permit Number and Name (if applicable):</div> <div style="width: 70%; border-bottom: 1px solid black;">NWP 3</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">Name of Permittee:</div> <div style="width: 70%; border-bottom: 1px solid black;">NCDOT, Division of Highways</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">Project Name:</div> <div style="width: 70%; border-bottom: 1px solid black;">NCDOT / Hurricane Helene / DF18313.2011188.PR / Br 115 / SR 2789 / Buncombe / Div 13</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">Project Location (physical address):</div> <div style="width: 70%; border-bottom: 1px solid black;">Bridge 115 on SR 2789 in Buncombe County, NC</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">-</div> <div style="width: 70%; border-bottom: 1px solid black;"></div> </div>		
PERMITTEE'S CERTIFICATION		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Date Work Started:</div> <div style="width: 70%; border-bottom: 1px solid black;"></div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">Date Work Completed:</div> <div style="width: 70%; border-bottom: 1px solid black;"></div> </div> <p>Enclose photographs showing the completed project (if available).</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



December 8, 2025

DWR # 20251607
Buncombe County

Mr. Michael Turchy,
Environmental Coordination and Permitting Group Leader
NCDOT Environmental Analysis Unit
1598 Mail Service Center
Raleigh NC 27699
maturchy@ncdot.gov

Subject: Approval of Individual 401 Water Quality Certification
Emergency Replacement of Bridge 115 on SR 2789 over Broad River,
DOT Project # DF18313.2011188.PR

Dear Mr. Turchy:

Attached hereto is a copy of Certification No. WQC 8539 issued to The North Carolina Department of Transportation, dated December 8, 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.

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



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

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

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

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

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

Sincerely,

Signed by:

Faith Hardin

3185423002EA45E...

Faith Hardin, Supervisor
401 & Buffer Transportation Permitting Branch

Electronic cc:

Lori Beckwith, USACE Asheville Regulatory Field Office (Loretta.A.Beckwith@usace.army.mil)

Mike Sanderson, Division 13 Environmental Officer (jmsanderson@ncdot.gov)

Dave McHenry, NCWRC (david.mchenry@ncwildlife.gov)

DWR 401 & Buffer Permitting Branch Electronic file



NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

CERTIFICATION #WQC 8539 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 The North Carolina Department of Transportation, who has authorization for the impacts listed below, as described within your application received by the N.C. Division of Water Resources (Division) on December 2, 2025, and by Public Notice issued by the Division on December 2, 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 Broad River Basin

Site	Riprap Stabilization to Perennial Stream (linear feet)	Temporary Impact to Perennial Stream (linear feet)	Total Stream Impact (linear feet)
1	105	126	231
2	25	130	155
Total	130	256	386

Total Stream Impact for Project: 386 linear feet

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

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

Project Specific Conditions

1. The NCDOT Division Environmental Officer or Environmental Assistant will conduct a pre-construction meeting with all appropriate staff to ensure that the project supervisor and essential staff understand the potential issues with stream and pipe alignment 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** (15A NCAC 4B.0124[a]-[e]) in areas draining to Trout waters.
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. For projects impacting waters classified by the NC Environmental Management Commission as



Trout (Tr), stormwater shall be directed to vegetated buffer areas, grass-lined ditches or other means appropriate to the site for the purpose of pre-treating storm water runoff prior to discharging directly into streams. Mowing of existing vegetated buffers is strongly discouraged.

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. 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)]
6. 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)]
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)] [if applicable]
8. 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)]
9. A turbidity curtain will be installed in the stream if driving or drilling activities occur within the stream channel, on the stream bank, or within 5 feet of the top of bank, or during the removal of bents from an old bridge. This condition can be waived with prior approval from the NCDWR. [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)]
11. Channel relocations shall be completed and stabilized, prior to diverting water into the new channel. Stream banks shall be matted with coir-fiber matting. Vegetation used for bank stabilization shall be limited to native riparian vegetation, and should include establishment of a vegetated buffer on both sides of the relocated channel to the maximum extent practical. Also, rip-rap may be allowed if it is necessary to maintain the physical integrity of the stream, but



should only extend vertically to or near the expected scour elevation. Once the stream has been turned into the new channel, it may be necessary to relocate stranded fish to the new channel to prevent fish kills. [15A NCAC 02H .0506(b)(3)]

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. 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)]
3. 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)]
4. 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)]
5. 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)]
6. 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)]
7. 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)]
8. 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)]
9. 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)]

10. 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)]
11. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]
12. 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]
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, 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]
15. 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)]
16. 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]
17. 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)]
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 control matting that incorporates plastic mesh and/or plastic twine shall not be used along streambanks or within jurisdictional wetlands. Coir fiber matting shall be used on disturbed streambanks and areas subject to high water, and secured with wooden stakes according to NCDOT specifications. [15A NCAC 2H.0506; 15A NCAC 2H.0507]
20. 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.
21. 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)]
22. 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.



23. 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]
24. 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 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. If the project occurs in waters or watersheds classified as Trout (Tr), then the sedimentation and erosion control designs shall comply with the requirements set forth in 15A NCAC 04B .0124, *Design Standards in Sensitive Watersheds*. [15A NCAC 02H.0506(b)(3) and (c)(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 8th day of December 2025

Signed by:

Faith Hardin



3185423002EA45E...



Faith Hardin, Supervisor
401 & Buffer Transportation Permitting Branch



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

Permitted Drawings

		<div>North Carolina Department of Transportation</div> <div>Highway Stormwater Program</div> <div>STORMWATER MANAGEMENT PLAN</div> <div>FOR NCDOT PROJECTS</div>																			
(Version 3.02; Released April 23, 2024)																					
WBS Element:		DF18313.2011188.F			TIP/Proj No:		DF18313.2011188.PR			County(ies):		Buncombe		Page		1		of		2	
General Project Information																					
WBS Element:		DF18313.2011188.PR			TIP Number:		DF18313.2011188.PR			Project Type:		Bridge Replacement			Date:		10/15/2025				
NCDOT Contact:		Mike Sanderson (Division Environmental Officer)						Contractor / Designer:		TGS Engineers (David B. Petty, PE)											
		Address:		Highway Division 13 55 Orange Street Asheville, NC 28801								Address:		706 Hillsborough Street Suite 200 Raleigh NC, 27603							
		Phone:		828-250-3002								Phone:		919-773-8887 ext. 104							
		Email:		jmsanderson@ncdot.gov								Email:		dpetty@tgsengineers.com							
City/Town:		Black Mountain						County(ies):		Buncombe											
River Basin(s):		Broad						CAMA County?		No											
Wetlands within Project Limits?		No																			
Project Description																					
Project Length (lin. miles or feet):		0.038 miles			Surrounding Land Use:		Rural: wooded, farmland, low density residential														
		Proposed Project										Existing Site									
Project Built-Up Area (ac.)		0.2			ac.						0.2			ac.							
Typical Cross Section Description:		Two 10' paved lanes (3 ft unpaved shoulders, plus 3 ft w/ guardrail)										One 11 ft unpaved lane (1-2 ft unpaved shoulders)									
Annual Avg Daily Traffic (veh/hr/day):		Design/Future:		130			Year:		2045			Existing:		100			Year:		2025		
General Project Narrative: (Description of Minimization of Water Quality Impacts)		<p>NCDOT Project ID DF18313.2011188.PR involves the replacement of Bridge #100115 on SR-2789 (Sand Branch Rd) over the Broad River in Buncombe County, NC south of Black Mountain. The bridge was damaged during Hurricane Helene in September 2024 and temporary repairs were made to reinstate the bridge substantially as it was prior to the storm. Proposed single-span (1@40'), 27 ft wide, 21" Cored Slab bridge with Alaska Rail to replace existing 36 ft long by 18 ft wide (timber floor on I-beams) single-span bridge.</p> <p>Stormwater runoff from the existing bridge discharges under the bridge rails directly into the Broad River. The proposed bridge will have no direct discharge into the stream. Runoff will flow to the east side of the bridge and discharge over the roadway shoulder on the north and south sides of the bridge at the end of the east approach where it will then be diffused with riprap pads. All proposed stormwater runoff will be discharged as far away from the stream and at the lowest non-erosive velocities as practicable.</p> <p>All impacts on the project have been minimized to the maximum extent practicable.</p>																			

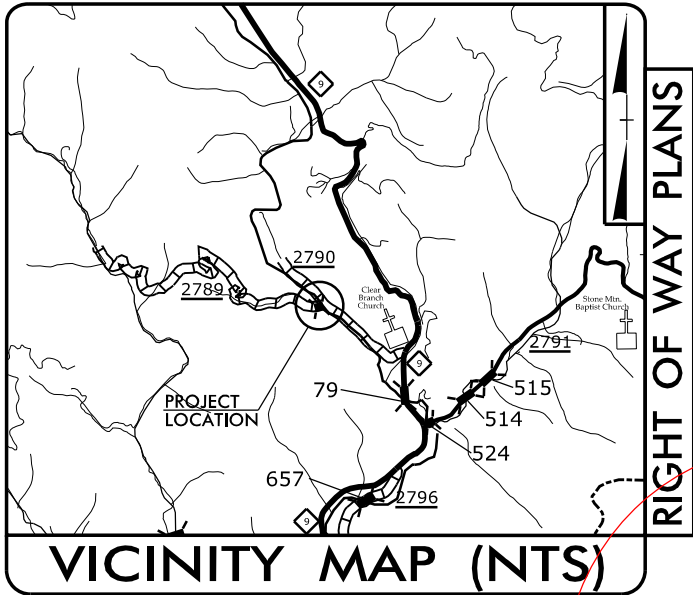
		<div>North Carolina Department of Transportation</div> <div>Highway Stormwater Program</div> <div>STORMWATER MANAGEMENT PLAN</div> <div>FOR NCDOT PROJECTS</div>					
(Version 3.02; Released April 23, 2024)							
WBS Element: DF18313.2011188.F		TIP/Proj No.: DF18313.2011188.PR		County(ies): Buncombe		Page 2 of 2	
General Project Information							
Waterbody Information							
Surface Water Body (1):		Broad River		NCDWR Stream Index No.:		9-(1)	
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class C			
		Supplemental Classification:		Trout Waters (Tr)			
Other Stream Classification:		None					
Impairments:		None					
Aquatic T&E Species?				Comments:			
NRTR Stream ID:		Broad River		Buffer Rules in Effect:		N/A	
Project Includes Bridge Spanning Water Body?		Yes		Deck Drains Discharge Over 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?			
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?			
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)					

10/15/2025
X:\NCDOT\EDB Div 13 Group 15\Buncombe 100115\Hydraulics\PERMITS\Environmental\Drawings\100115_Hyd_perm_tsh.dgn
User:kgray

PROJECT: DF18313.2011188.PR

CONTRACT: C205047

See Sheet 1A For Index of Sheets



RIGHT OF WAY PLANS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BUNCOMBE COUNTY

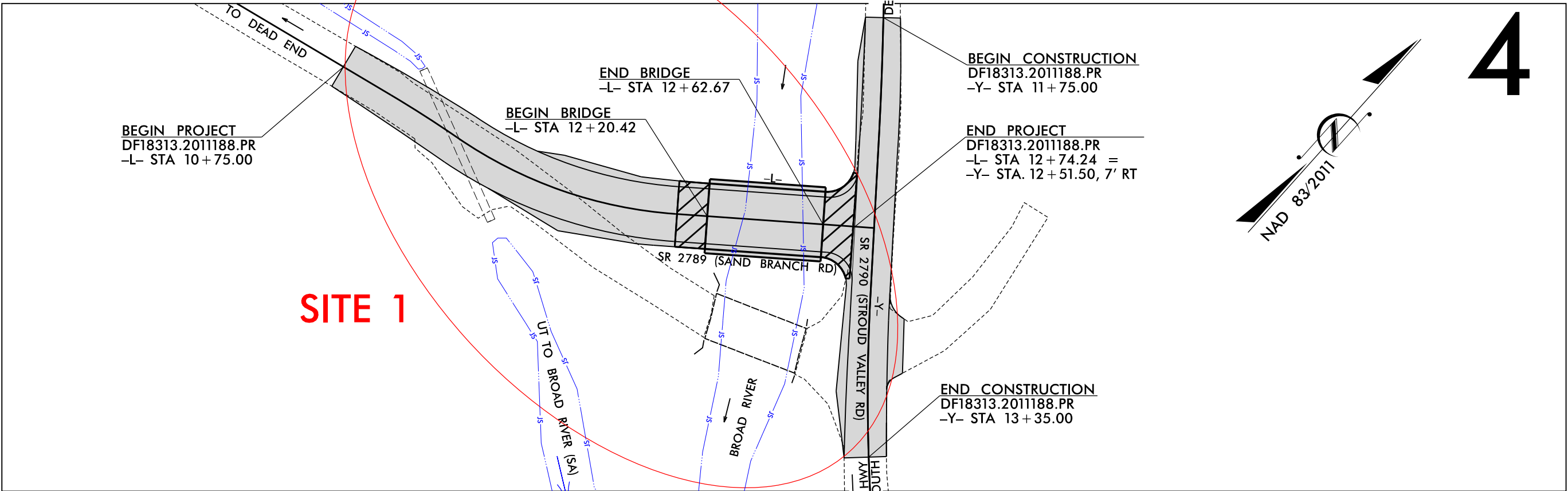
LOCATION: REPLACEMENT OF STRUCTURE #100115
ON SR 2789 (SAND BRANCH RD) OVER
BROAD RIVER
TYPE OF WORK: GRADING, DRAINAGE,
PAVING, & STRUCTURE

WETLAND AND SURFACE WATER IMPACTS PERMIT

10-15-2025

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18313.2011188.PR	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
DF18313.2011188.PR		PE	
DF18313.2011188.PR		R/W	
DF18313.2011188.PR		UTIL.	
DF18313.2011188.PR		CONST.	

PERMIT DRAWING
SHEET 1 OF 5

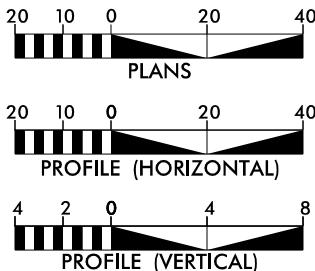


SITE 1

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

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 100
ADT 2045 = 130
V = 25 MPH
FUNC CLASS = LOCAL
SUBREGIONAL TIER

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT DF18313.2011188.PR = 0.030 MILES
LENGTH OF STRUCTURE PROJECT DF18313.2011188.PR = 0.008 MILES
TOTAL LENGTH OF PROJECT DF18313.2011188.PR = 0.038 MILES

PLANS PREPARED BY:
TGS ENGINEERS
201 W. VARIOUS ST
SHELBY, NC 28150
PH: (704) 476-0005
CORP. LICENSE: NCU C-0275

BURNS
R.E. BURNS & SONS CO
P.O. BOX 1188
STATESVILLE, NC 28150
PH: (704) 324-8888
2024 STANDARD SPECIFICATIONS
RIGHT OF WAY DATE:
MAR. 18, 2025
LETTING DATE:
MAR. 18, 2025

PLANS PREPARED FOR:
NCDOT
ALTERNATIVE DELIVERY UNIT
1020 BIRCH RIDGE DR
RALEIGH, NC 27610

JIMMY L. TERRY, PE
PROJECT ENGINEER

KATELYN S. ALMOND
PROJECT DESIGN ENGINEER

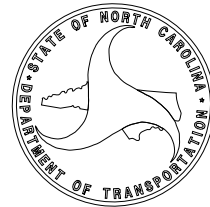
SOLOMON MENGESHA
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN
ENGINEER

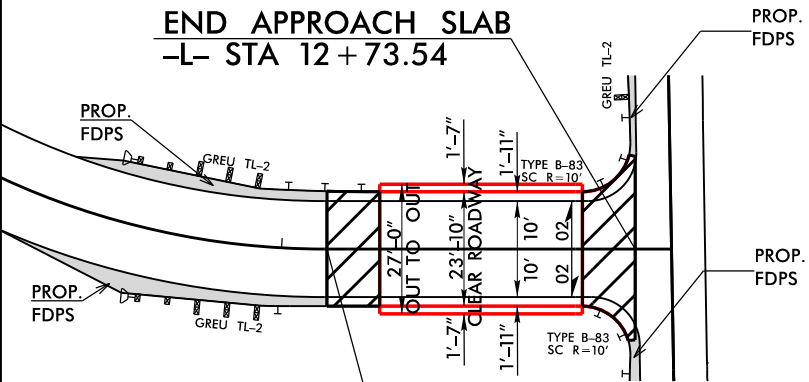
SIGNATURE: _____ P.E.



8/17/99

BRIDGEROADWAY RELATIONSHIP SKETCH

END APPROACH SLAB
-L- STA 12+73.54



BEGIN APPROACH SLAB
-L- STA 12+09.54

NAD 83/2011

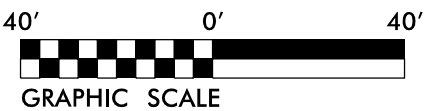
PERMIT DRAWING
SHEET 2 OF 5



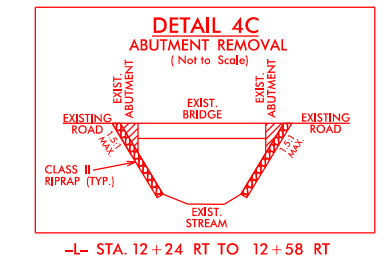
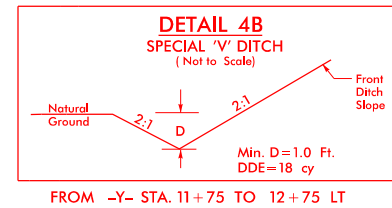
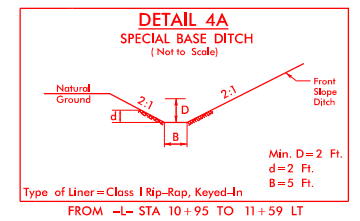
SURFACE WATER IMPACTS



TEMPORARY SURFACE
WATER IMPACTS



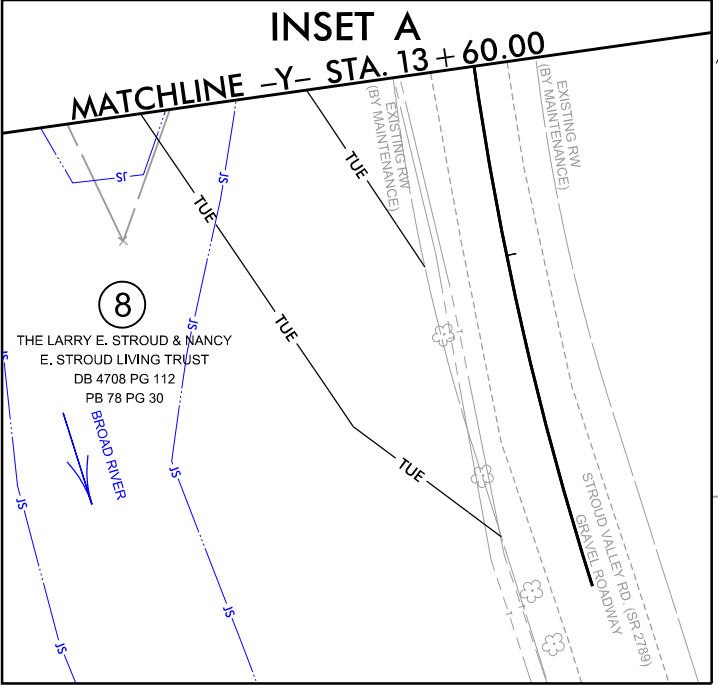
PROJECT REFERENCE NO. DF18313.2011188.PR	SHEET NO. 4
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 201 W. MARION ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



BEGIN CONSTRUCTION
DF18313.2011188.PR
-Y- STA 11+75.00

BEGIN PROJECT
DF18313.2011188.PR
-L- STA 10+75.00

INSET A
MATCHLINE -Y- STA. 13+60.00



6
CAROLYN S. FARIS
& CHARLES H. FARIS
DB 1316 PG 400

CLASS B RIPRAP
1 TON,
2 SY GEO

WARP GUTTER
TO DRAIN
HEADWALL
EXCAVATE TO ELEV 2205'

7
CAROL N. CHAPPEL
DB 1E PG 1110
DB 1311 PG 393

CLASS B RIPRAP
(1 TON, NO GEO)

CLASS I RIPRAP
18 TONS,
NO GEO

CLASS II RIP RAP
BANK STABILIZATION
1.5:1 MAX. SLOPES
(STRUCTURES ITEM)
(TYP.)
(SEE ABUTMENT
REMOVAL DETAIL 4C)

REMOVE EXIST. BRIDGE
AND GRAVEL ROAD.
GRADE AREA TO DRAIN.
SEED AND MULCH AREA.

8
THE LARRY E. STROUD & NANCY
E. STROUD LIVING TRUST
DB 4708 PG 112
PB 78 PG 30

6
CAROLYN S. FARIS
& CHARLES H. FARIS
DB 1316 PG 400

SPECIAL V DITCH
SEE DETAIL 4B

CLASS B RIPRAP
1 TON, 2 SY GEO

PROP. ASPHALT DRIVE

COLLAR AND EXTEND 4 FT

REMOVE
GRADE TO
DRAIN

END CONSTRUCTION
DF18313.2011188.PR
-Y- STA 13+35.00

FOR -L- PROFILE, SEE SHEET NO. 5

FOR -Y- PROFILE, SEE SHEET NO. 5

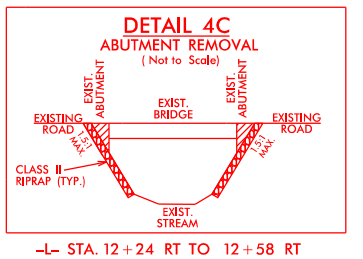
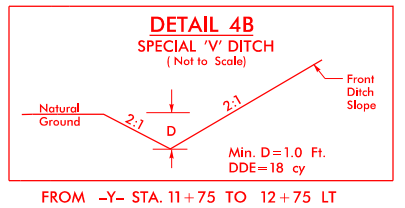
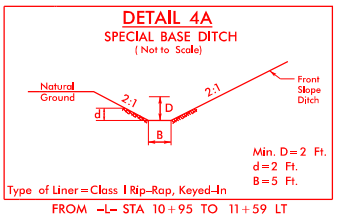
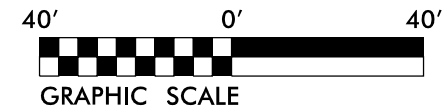
SEE S-1 TO S-X FOR STRUCTURE PLANS

SEE INSET A FOR
MATCHLINE AT -Y- STA. 13+60.00

REVISIONS

10/15/2005 X:\KOR\EDB Div 13 Group 15\Buncombe 100115\Hydraulics\Permits\Environmental\Drawings\100115_Hyd_perm_psh.dgn User:koran

PERMIT DRAWING
SHEET 3 OF 5



BEGIN CONSTRUCTION
DF18313.201188.PR
-Y- STA 11+75.00

END PROJECT
DF18313.2011188.PR
-L- STA 12+74.24 =
-Y- 12+51.50, 7' RT

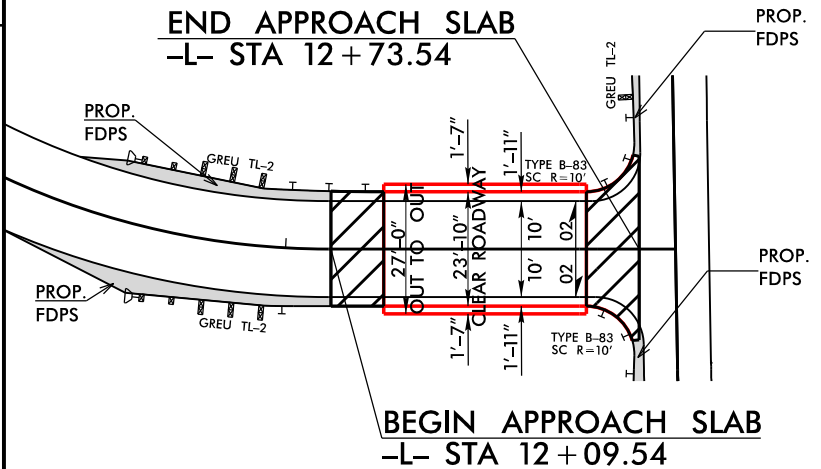
FOR -L- PROFILE, SEE SHEET NO. 5

FOR -Y- PROFILE, SEE SHEET NO. 5

SEE S-1 TO S-X FOR STRUCTURE PLANS

BRIDGE/ROADWAY RELATIONSHIP SKETCH

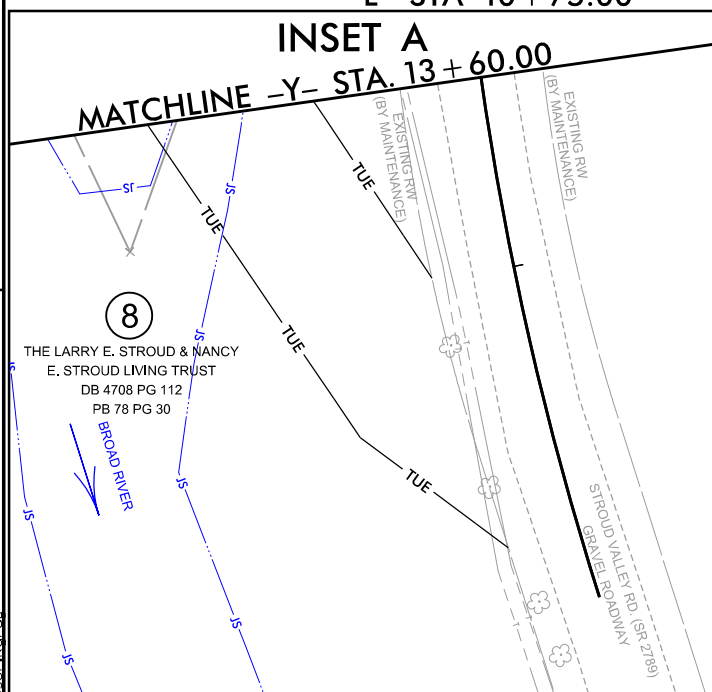
END APPROACH SLAB
-L- STA 12+73.54



BEGIN APPROACH SLAB
-L- STA 12 + 09.54

BEGIN PROJECT
DF18313.2011188.PR
-L- STA 10+75.00

INSET A



**SPECIAL BASE DITCH
SEE DETAIL 4A**

CLASS B RIPRAP
1 TON,
2 SY GEO

WARP GUTTER
TO DRAIN
EXCAVATE TO ELEV 2205'
HEADWALL

24" HD

CLASS B RIPRAP
(1 TON, NO GEO)

CLASS I RIPRAP
18 TONS,
NO GEO

CLASS II RIP RAP
BANK STABILIZATION
1.5:1 MAX. SLOPES
(STRUCTURES ITEM)
(TYP.)
(SEE ABUTMENT
REMOVAL DETAIL 4C)

REMOVE EXIST. BRIDGE
AND GRAVEL ROAD. IS
GRADE AREA TO DRAIN.
SEED AND MULCH AREA.

SPECIAL V DITCH
SEE DETAIL 4B

CLASS B RIPRAP
1 TON, 2 SY GEO

—PROP. ASPHALT DRIVE

COLLAR AND EXTEND 4 FT

END CONSTRUCTION
DF18313.201188.PR
-Y- STA 13+35.00

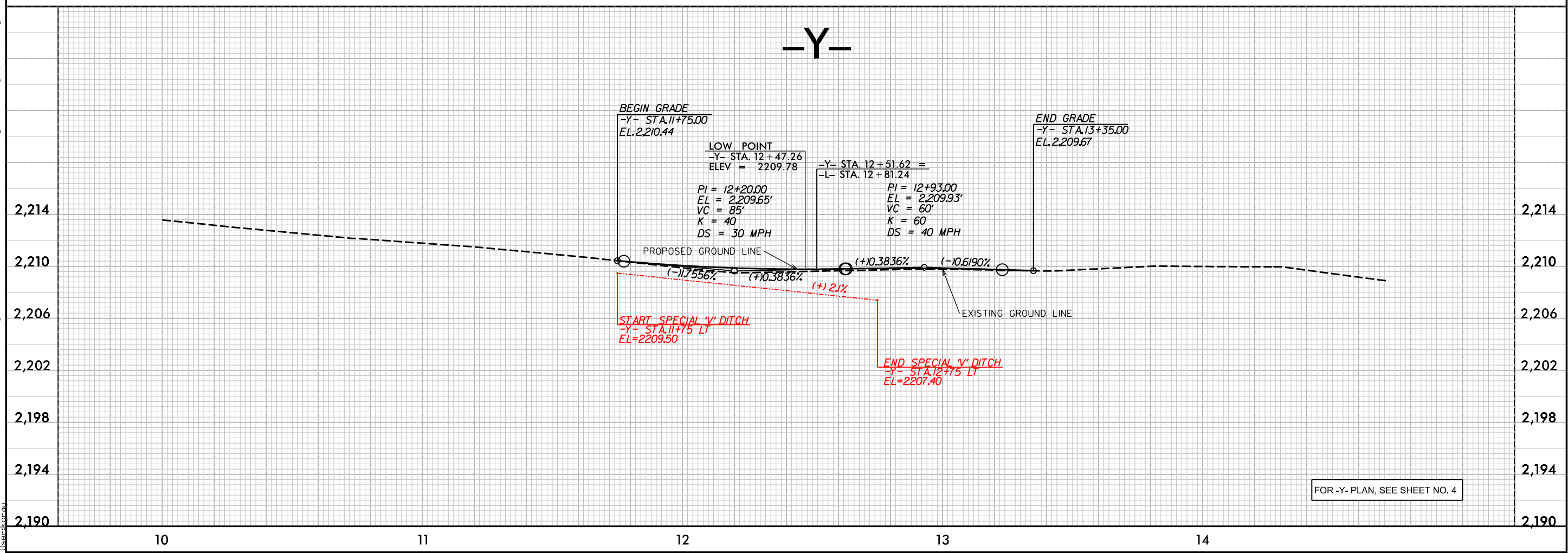
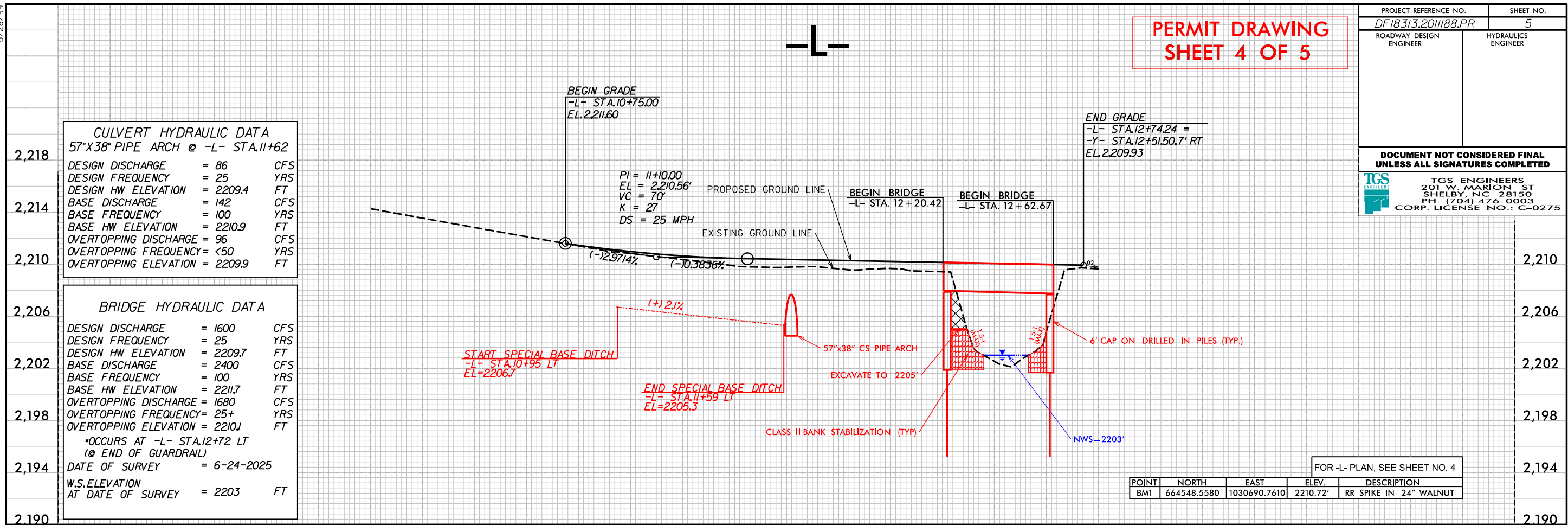
SEE INSET A FOR
MATCHLINE AT -Y- STA. 13+60.00

5/28/99

10/14/2005
X:\NCOR\EDB Div 13 Group 15\Buncombe 100115\Hydraulics\PERMITS\Environmental\Drawings\100115_Hyd_perm-pfl.dgn
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PERMIT DRAWING
SHEET 4 OF 5

PROJECT REFERENCE NO. DF18313.201188.PR	SHEET NO. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
TGS ENGINEERS 201 W. MARION ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



WETLAND AND SURACE WATER IMPACTS SUMMARY													
Site No.	Station (From/To)	Structure Size / Type	Stream Name	WETLAND IMPACTS					SURFACE WATER IMPACTS				
				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- 12+29 to 12+57 LT & RT	Bank Stabilization	Broad River						0.023		105		
1	-L- 12+27 to 12+57 LT & RT	Temporary Dewatering	Broad River							0.006		126	
1	-L- 11+60 to 11+77 RT	Bank Stabilization	UT to Broad River (SA)						0.005		25		
1	-L- 10+74 to 11+79 LT & RT	Temporary Dewatering	UT to Broad River (SA)							0.006		130	
TOTALS:				0.000	0.000	0.000	0.000	0.000	0.028	0.012	130	256	0

1. Estimate <0.1 acre of trees greater than 3" DBH to be cleared.

ised 2018 Feb