



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JOSH STEIN  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

September 12, 2025

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for the Replacement of Bridge 115 on SR 1569 (Old Northcove School Road) over North Fork Catawba River in McDowell County, Division 13, **WBS DF18313.2059012.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 and 33, Action ID: SAW-2025-01467 Dated September 12, 2025	March 14, 2026*
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification, ID: 20250996 v1 Dated August 20, 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

September 12, 2025

Regulatory Division  
SAW-2025-01467

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](mailto: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 July 29, 2025, for a Department of the Army general permit verification to replace a bridge that was destroyed by **Hurricane Helene** with another bridge. This project will replace **Bridge No. 115** over the North Fork Catawba River on SR 1560 in McDowell County, North Carolina (35.8376, -81.9888) and has been assigned file number SAW-2025-01467. 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
<b>Site 1 (North Fork Catawba River)</b>	<b><u>NWP 3</u></b>						<b>101' / bank stabilization</b>
Impact Totals		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>101'</b>
Total Loss of waters of the U.S. (wetlands and/or open waters)			<b>0</b>	Total Loss of waters of the U.S.			<b>0</b>
Required wetland compensatory mitigation			<b>0</b>	Required stream compensatory mitigation			<b>0</b>

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:

- enclosed NWP general conditions
- enclosed NWP regional conditions
- information in the PCN and attachments
- enclosed 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 NWP is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the NWP.

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](mailto: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 "M. Scott Jones". The signature is written in a cursive, flowing style.

M. Scott Jones, PWS  
WRDA / Transportation Branch Chief  
USACE, Wilmington District

Enclosures

**Compliance Certification Form**

**File Number: SAW-2025-01467**

**County: McDowell**

**Permittee: NCDOT, Mr. Michael Turchy**

**Project Name: NCDOT / Hurricane Helene / DF18313.2059012.PR / Br 115 /  
SR 1569 / Woodlawn / McDowell**

**Date Verification Issued: September 12, 2025**

**Project Manager: Lori Beckwith**

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: Lori Beckwith  
151 Patton Avenue, Room 208  
Asheville, NC 28801-5006  
or  
loretta.a.beckwith@usace.army.mil**

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 USACE 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, and mitigation (if applicable), has been completed in accordance with the terms and conditions of the said permit and verification letter, including all applicable conditions.

**Date Authorized Work Started: \_\_\_\_\_ Completed: \_\_\_\_\_**

Describe any deviations from permit (attach drawing(s) depicting the deviations):

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**\*Note: The description of any deviations on this form does not constitute approval by the USACE.**

\_\_\_\_\_  
**Signature of Permittee**

\_\_\_\_\_  
**Date**

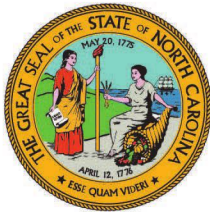
401

# Certification (NCDWR)

**JOSH STEIN**  
Governor

**D. REID WILSON**  
Secretary

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



**NORTH CAROLINA**  
*Environmental Quality*

August 20, 2025

DWR # 20250996  
McDowell County

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

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

**Subject: Approval of Individual 401 Water Quality Certification**  
Replacement of Bridge 115 on SR 1569 (North Cove School Road)  
over Tributary to North Fork Catawba River, WBS  
DF18313.2059012.PR

**Location:** 35.8376, -81.9888

Dear Mr. Turchy:

Attached hereto is a copy of Certification No. WQC008100 issued to Michael Turchy and the North Carolina Department of Transportation, dated August 20, 2025. This approval is for the purpose and design described in your application.

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

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

This Water Quality Certification shall expire on the same day as the expiration date of the corresponding Section 404 Permit that is current at the time this Certification is issued. The conditions shall remain in effect for the life of the project, regardless of the expiration date of this Water Quality Certification.

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



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

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

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

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

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

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

This letter completes the Division's review under Section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Kaylie Yankura at 919-707-3870 or [kaylie.yankura@deq.nc.gov](mailto:kaylie.yankura@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  
Mike Sanderson, Division 13 Environmental Officer  
Holland Youngman, USFWS  
Dave McHenry, NCWRC  
DWR 401 & Buffer Permitting Branch Electronic file



## NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

**CERTIFICATION** #WQC008100 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 July 29, 2025, and by Public Notice issued by the Division on July 29, 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 Catawba River Basin

Site	Permanent Fill in Perennial Stream (linear feet)	Total Stream Impact (linear feet)	Stream Impacts Requiring Mitigation (linear feet)
Site 1	*101 linear feet	101 linear feet	0 linear feet
<i>Totals:</i>	<i>*101 linear feet</i>	<i>101 linear feet</i>	<i>0 linear feet</i>

\*Permanent impact for bank stabilization, no permanent loss. Mitigation not required.

### Total Stream Impact for Project: 101 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 bridge 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 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)]



3. As a condition of this 401 Water Quality Certification, bridge 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)]
4. 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)]
5. The permittee shall use Design Standards in Sensitive Watersheds (15A NCAC 4B.0124[a]-[e]) in areas draining to Trout waters (North Fork Catawba River).
6. 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)]
7. 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)]

#### 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. 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)]
14. 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)]



15. 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]
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), 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]
18. 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)]
19. 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)]
20. 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]
21. 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.
- 22. 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)]
- 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.
- 25. DWR approves the stormwater drainage design as shown in the 401 application, under the assumption that it meets the requirements of the NCDOT NPDES permit #NCS000250. These plans are enforceable by DWR. Changes to the approved plans are prohibited without prior approval from DWR. If sediment or other pollutants are found to be discharged from the stormwater outfalls, DWR may take enforcement action. NCDOT and DWR shall assess the damage to water quality standards and implement an appropriate action plan to address the impacts. The action plan shall provide an appropriate timeline for implementation as agreed upon by both DWR and NCDOT. This may require NCDOT to obtain a modification to its current 401 and 404 permits.



This Water Quality Certification shall expire on the same day as the expiration date of the corresponding Section 404 Permit that is current at the time this Certification is issued. The conditions shall remain in effect for the life of the project, regardless of the expiration date of this Water Quality Certification.

This, the 20th day of August 2025

Signed by:

*Faith Hardin*

3185423002EA45E...

Faith Hardin, Supervisor

401 & Buffer Transportation Permitting Branch

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

Filename: 20250996\_Ver 1\_Approval Letter\_20250820.docx



**JOSH STEIN**

*Governor*

**D. REID WILSON**

*Secretary*

**RICHARD E. ROGERS, JR.**

*Director*



**NORTH CAROLINA**  
*Environmental Quality*

**NCDWR Project No.:** \_\_\_\_\_

**County:** \_\_\_\_\_

**Applicant:** \_\_\_\_\_

**Project Name:** \_\_\_\_\_

**Date of Issuance of 401 Water Quality Certification:** \_\_\_\_\_

**Certificate of Completion**

Upon completion of all work approved within the 401 Water Quality Certification or applicable Buffer Rules, and any subsequent modifications, the applicant is required to return this certificate to the 401 Transportation Permitting Unit, North Carolina Division of Water Resources, 1617 Mail Service Center, Raleigh, NC, 27699-1617. This form may be returned to NCDWR by the applicant, the applicant's authorized agent, **or** the project engineer. It is not necessary to send certificates from all of these.

***Applicant's Certification***

I, \_\_\_\_\_, hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

***Agent's Certification***

I, \_\_\_\_\_, hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

***Engineer's Certification***

\_\_\_\_\_ Partial \_\_\_\_\_ Final

I, \_\_\_\_\_, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to observe (periodically, weekly, full time) the construction of the project for the Permittee hereby state that, to the best of my abilities, due care and diligence was used in the observation of the construction such that the construction was observed to be built within substantial compliance and intent of the 401 Water Quality Certification and Buffer Rules, the approved plans and specifications, and other supporting materials.

Signature \_\_\_\_\_ Registration No. \_\_\_\_\_



Date \_\_\_\_\_

Completed hard copies can be emailed to [kristilynn.carpenter@ncdenr.gov](mailto:kristilynn.carpenter@ncdenr.gov) or mailed to:

NCDEQ Transportation Permitting  
1617 Mail Service Center  
Raleigh NC 27699-1617



# Permitted Drawings

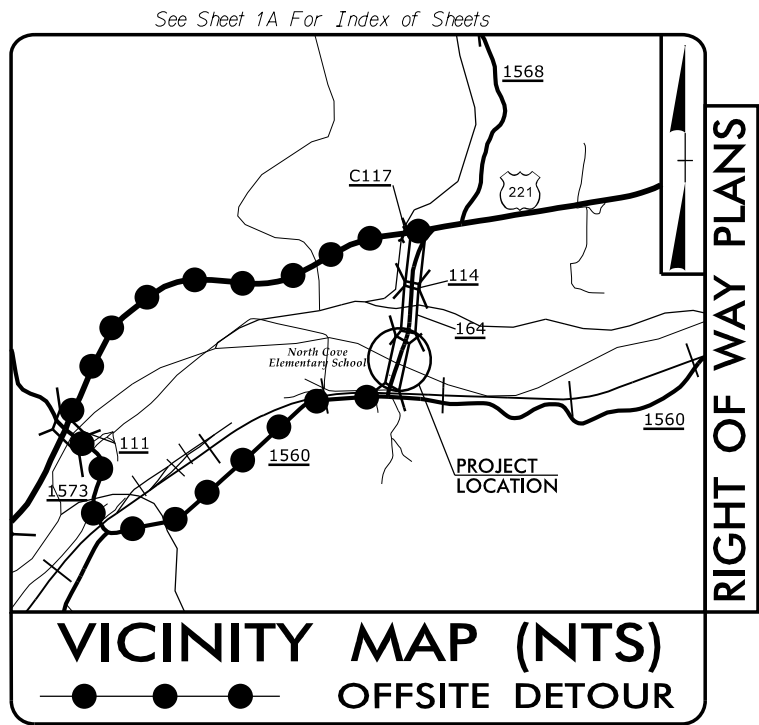
		<div>North Carolina Department of Transportation</div> <div>Highway Stormwater Program</div> <div>STORMWATER MANAGEMENT PLAN</div> <div>FOR NCDOT PROJECTS</div>															
(Version 3.02; Released April 23, 2024)																	
WBS Element: N/A		TIP/Proj No: DF18313.2059012.PR		County(ies): Mcdowell		Page 1 of 2											
General Project Information																	
WBS Element:		N/A		TIP Number:		DF18313.2059012.PR		Project Type: Bridge Replacement		Date: 7/18/2025							
NCDOT Contact:		Yates Allen (Division Environmental Officer)				Contractor / Designer:		TGS Engineers (Rusty Lassiter)									
		Address: NCDOT 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. 121									
		Email: <a href="mailto:yallen@ncdot.gov">yallen@ncdot.gov</a>						Email: <a href="mailto:rlassiter@tgsengineers.com">rlassiter@tgsengineers.com</a>									
City/Town:		Marion				County(ies):		Mcdowell									
River Basin(s):		Catawba				CAMA County?		No									
Wetlands within Project Limits?		No															
Project Description																	
Project Length (lin. miles or feet):		0.083 miles		Surrounding Land Use:		Rural: Farm Land, low-density residential, manufacturing plant											
		Proposed Project						Existing Site									
Project Built-Up Area (ac.)		0.3		ac.		0.2		ac.									
Typical Cross Section Description:		Two 10' paved lanes with 3'-0' paved shoulders.						Two 9.0'-paved lanes w/ 5' shoulders.									
Annual Avg Daily Traffic (veh/hr/day):		Design/Future:		330		Year:		2050		Existing:		250		Year:		2024	
General Project Narrative: (Description of Minimization of Water Quality Impacts)		<p>NCDOT Project DF18313.2059012.PR involves the emergency replacement of Structure #580115 over North Fork Catawba River on SR-1569 (North Cove School Rd) in McDowell County, NC north of Marion. The bridge was washed out during Hurricane Helene in September 2024. Proposed 2-span (1@90', 1@55'), OAL=145 ft, 30 ft wide, 33" Box Beam bridge to replace pre-existing 70 ft long by 27 ft wide (prestressed concrete cored slab units) 2-span bridge.</p> <p>The proposed grade will be from 0.5'-2' above existing grade within the vicinity of the bridge and roughly match existing grade approximately 120 ft south and 95 ft north of the bridge. The existing bridge has one interior bent at the waters edge, whereas the proposed bridge will have one in the overbank area..</p> <p>The existing bridge had scuppers in the bridge rail that allow for runoff to discharge directly into North Fork Catawba River. The proposed bridge will have no direct discharge into the river. Stormwater runoff from the bridge will flow to rip rap pads directly outside of the shoulders in the north quadrant, where flow will be diffused. All proposed stormwater runoff is discharged as far away from the stream and at the lowest velocities practicable.</p> <p>The existing interior bent is to be removed using a vibratory extractor/ driver and crane.</p> <p>The existing temporary bridge ( rail car) will be removed.</p> <p>All impacts to the project have been minimized to the maximum extent practicable.</p>															

<div><div><div>NCDOT</div><div>Highway Stormwater</div><div>PROGRAM</div></div><div>North Carolina Department of Transportation</div><div>Highway Stormwater Program</div><div>STORMWATER MANAGEMENT PLAN</div><div>FOR NCDOT PROJECTS</div></div> <div><div>STATE OF NORTH CAROLINA</div><div>DEPARTMENT OF TRANSPORTATION</div></div>									
(Version 3.02; Released April 23, 2024)									
WBS Element: N/A		TIP/Proj No.: DF18313.2059012.PR		County(ies): Mcdowell		Page 2 of 2			
General Project Information									
Waterbody Information									
Surface Water Body (1):		North Fork Catawba River		NCDWR Stream Index No.:		11-24-(2.5)			
NCDWR Surface Water Classification for Water Body		Primary Classification:		Class B					
		Supplemental Classification:		Trout Waters (Tr)					
Other Stream Classification:		None							
Impairments:		None							
Aquatic T&E Species?		No		Comments:					
NRTR Stream ID:		North Fork Catawba River				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 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 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)									

7/18/2025 X:\NCDOT\LEDB Div 13 Group\1580115\Hydraulics\PERMITS\_Environmental\Drawings\1a580115\_prm\_tsh.dgn User:rtasster

PROJECT: DF18313.2059012.PR

CONTRACT: C205019



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

# MCDOWELL COUNTY

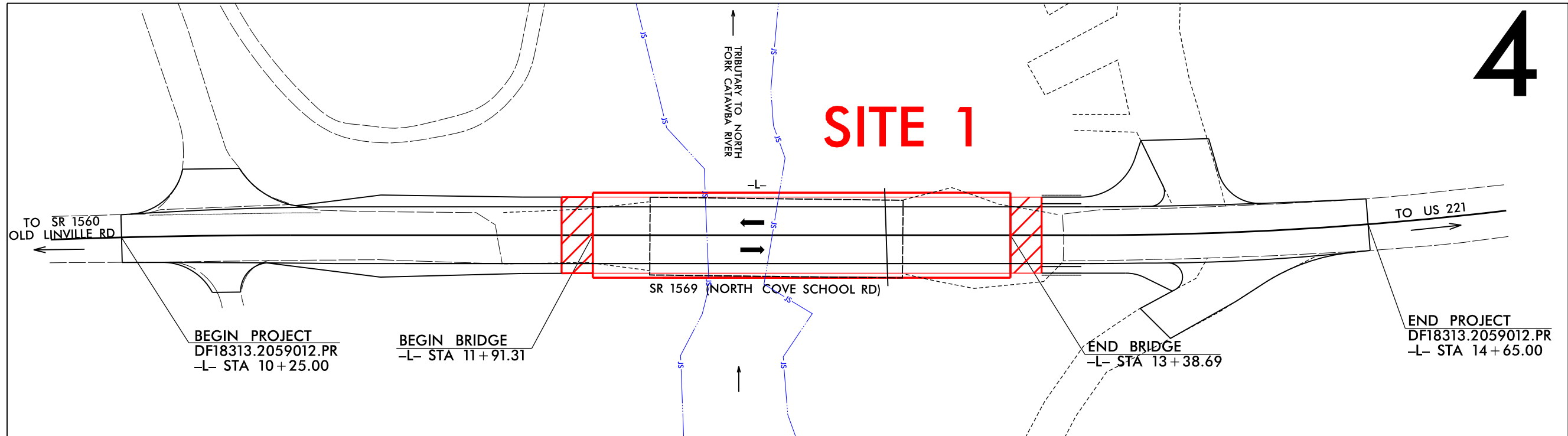
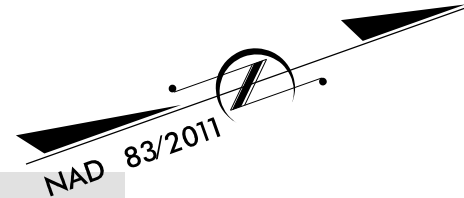
**LOCATION: REPLACEMENT OF STRUCTURE #580115  
ON SR 1569 (NORTH COVE SCHOOL RD)  
OVER TRIBUTARY TO NORTH FORK CATAWBA RIVER**

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

**PERMIT DRAWING  
SHEET 1 OF 5**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18313.2059012.PR	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
DF18313.2059012.PR		PE	
DF18313.2059012.PR		RW	
DF18313.2059012.PR		UTIL.	
DF18313.2059012.PR		CONST.	

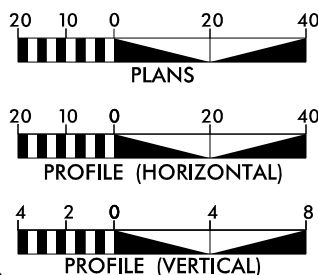
**WETLAND AND SURFACE WATER IMPACTS PERMIT  
2025.07.18**



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 2024 = 250  
ADT 2050 = 330  
V = 60 MPH  
TTST = 3% DUAL = 3%  
FUNC CLASS = LOCAL  
SUBREGIONAL TIER

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT DF18313.2059012.PR = 0.055 MILES  
LENGTH OF STRUCTURE PROJECT DF18313.2059012.PR = 0.028 MILES  
TOTAL LENGTH OF PROJECT DF18313.2059012.PR = 0.083 MILES

PLANS PREPARED BY:  
**TCS ENGINEERS**  
TCS ENGINEERS  
2011 W. MARION ST  
SHELBY, NC 28150  
PH (704) 476-0005  
CORP. LICENSE NO. C-10275

**BURNS**  
R.E. BURNS & SONS CO  
P.O. BOX 7168  
STATESVILLE, NC 28687  
PH (704) 924-8648

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
DEC. 17, 2024

LETTING DATE:  
DEC. 17, 2024

PLANS PREPARED FOR:  
NCDOT  
ALTERNATIVE DELIVERY UNIT  
1000 Birch Ridge Dr.  
Raleigh, NC 27610

**JIMMY L. TERRY, PE**  
PROJECT ENGINEER

**KATELYN S. ALMOND**  
PROJECT DESIGN ENGINEER

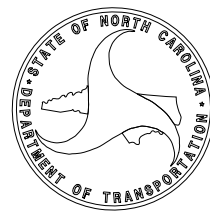
**BYRON T. KYLE**  
NCDOT CONTACT

**HYDRAULICS ENGINEER**

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


**ROADWAY DESIGN ENGINEER**

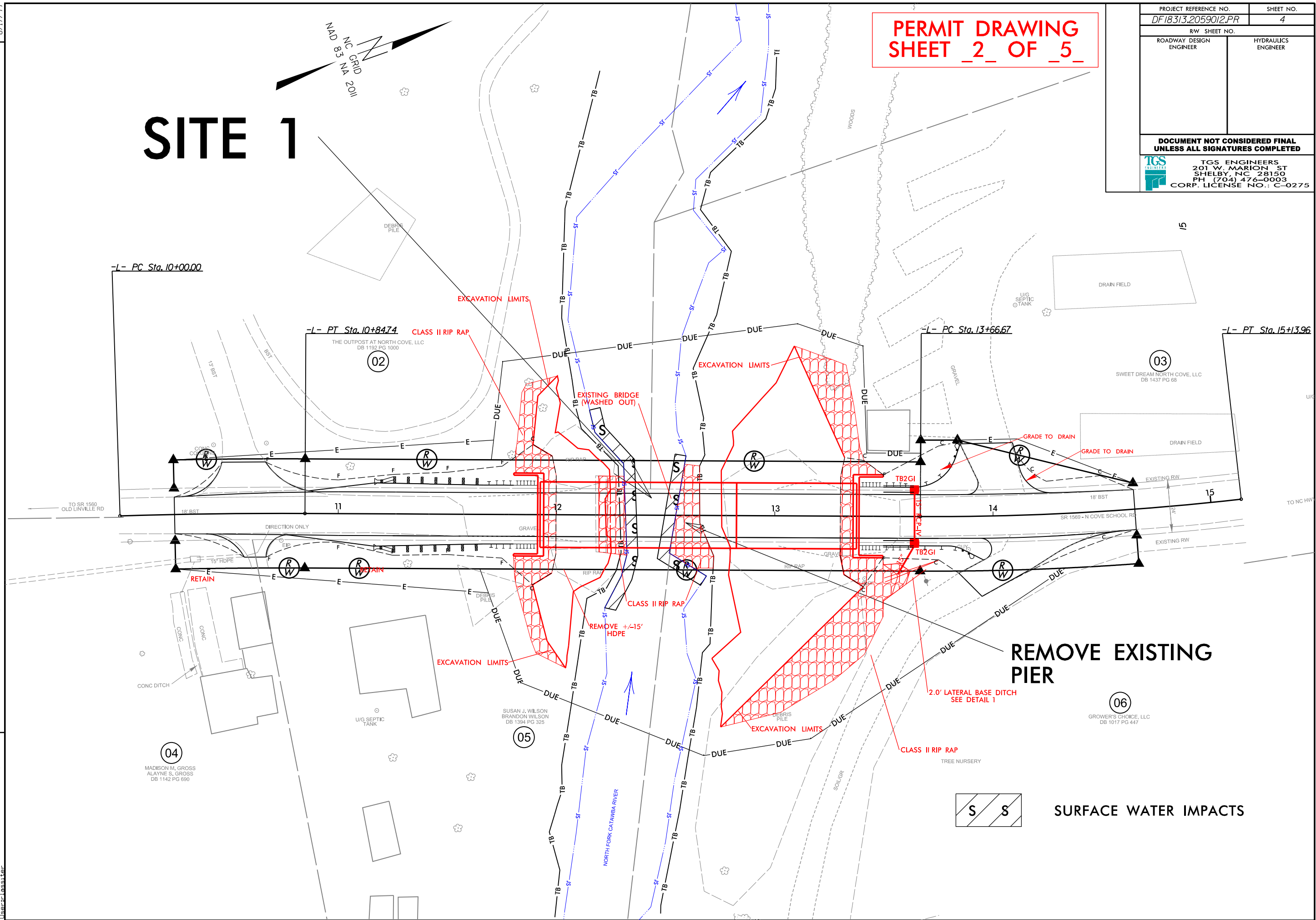
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# SITE 1

PERMIT DRAWING  
SHEET 2 OF 5

PROJECT REFERENCE NO.	SHEET NO.
DF18313.2059012.PR	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<p align="center"><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>	
	<p align="center">TGS ENGINEERS 201 W. MARION ST SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275</p>



## SURFACE WATER IMPACTS

8/17/99

7/23/2025  
X:\NORTH FORK\EDB Div 13 Group 1\580115\Hydraulics\PERMITS\Environmental\Drawings\3\580115\_perm\_psh\_Con.dgn  
User: jklossiter

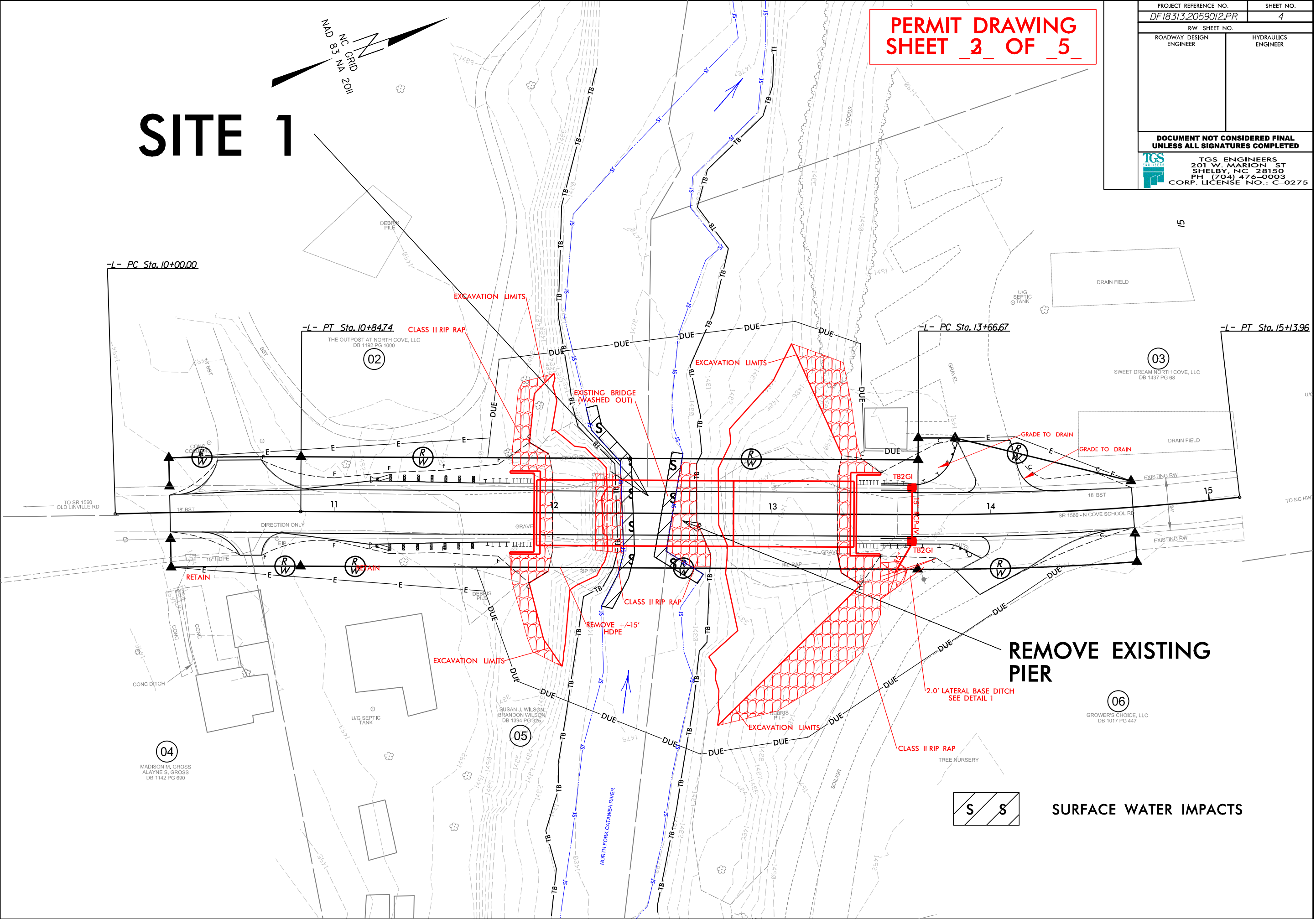
REVISIONS

# SITE 1

NAD 83  
NC GRID  
2011

PERMIT DRAWING  
SHEET 3 OF 5

PROJECT REFERENCE NO. DF18313.2059012.PR	SHEET NO. 4
RW SHEET NO.	
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	



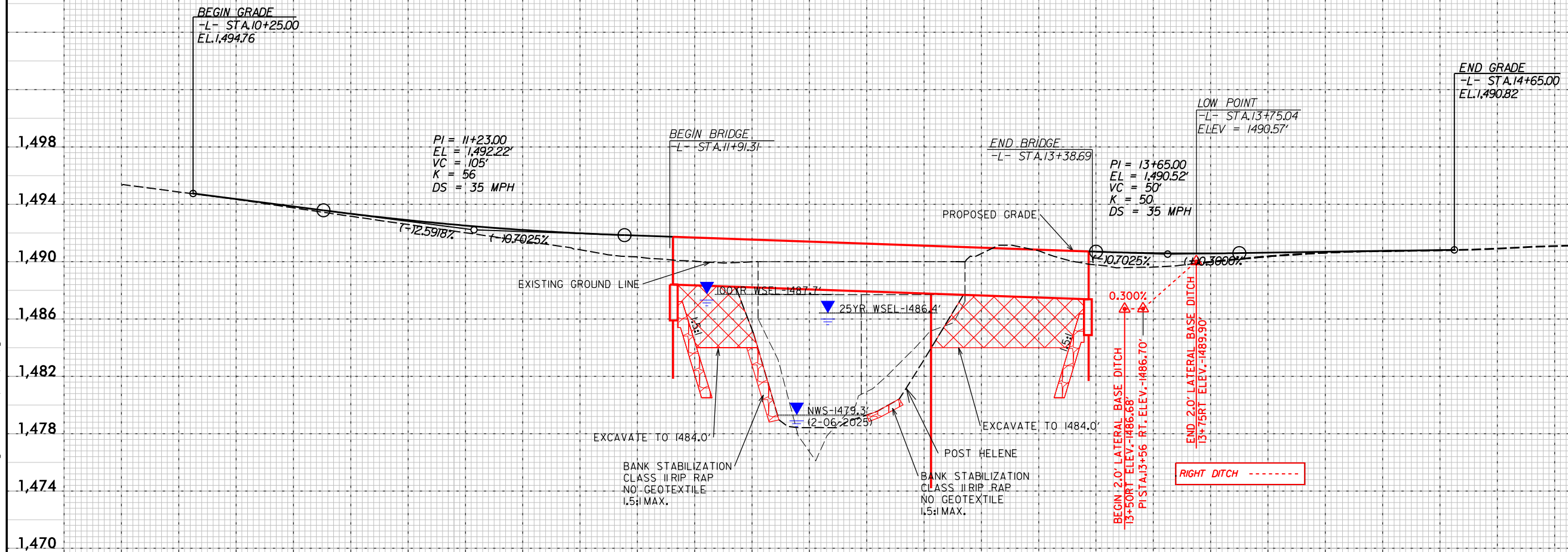
PERMIT DRAWING  
SHEET 4 OF 5

BRIDGE HYDRAULIC DATA  
BRIDGE #580115

DESIGN DISCHARGE = 3500 CFS  
DESIGN FREQUENCY = 25 YRS  
DESIGN HW ELEVATION = 1486.4 FT  
BASE DISCHARGE = 5100 CFS  
BASE FREQUENCY = 100 YRS  
BASE HW ELEVATION = 1487.7 FT  
OVERTOPPING DISCHARGE = 7000 CFS  
OVERTOPPING FREQUENCY = 500 YRS  
OVERTOPPING ELEVATION = 1490.6 FT\*

\*OVERTOPPING ELEV. REPRESENTS  
THE SAG WHICH OCCURS  
@ -L- STA.13+75 RT EOP.

DATE OF SITE VISIT = 2/6/2025  
APPROX. W.S. ELEVATION  
ON DATE OF SITE VISIT = 1479.3 FT



				FOR -L- PLAN, SEE SHEET NO. 4
POINT	NORTH	EAST	ELEV.	DESCRIPTION
BM1	772989.5687	1114179.9430	1492.5934'	CTL VERTICAL BENCH MARK

## WETLAND AND SURFACE WATER IMPACTS SUMMARY

				WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Stream Name	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+20 to 12+70 LT & RT	Bank Stabilization/ Temporary Erosion Control	North Fork Catawba River						0.019		101		
TOTALS*:				0.000	0.000	0.000	0.000	0.000	0.019	0.000	101	0	0

\*Rounded totals are sum of actual impacts

NOTES:

1. No wetlands were identified within the study area.
2. Estimate 0.1 acres of trees greater than 3" DBH to be cleared.

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
7/18/2025  
McDowell County  
DF18313.2059012.PR  
Bridge 580115  
SHEET 5 OF 5