




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

August 8, 2025

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for the Restoration of NC 9 (Lower Section – from the US 74 A Intersection to Station 37) due to damage caused by Hurricane Helene in Henderson County, Division 14,
WBS: 18314.1045061

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, dated August 8, 2025	March 14, 2026*
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification, dated August 4, 2025.	with above 404 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.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL ANALYSIS UNIT
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

Telephone: (919) 707-6000
Customer Service: 1-877-368-4968
Website: www.ncdot.gov

Location:
1000 BIRCH RIDGE DRIVE
RALEIGH NC 27610

404 Permit (USACE) - August 2025



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
WILMINGTON REGULATORY OFFICE
69 DARLINGTON AVENUE
WILMINGTON NORTH CAROLINA 28403

August 8, 2025

Regulatory Division
SAW-2025-00325

Sent Via email: maturchy@ncdot.gov

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

Dear Mr., Turchy:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, WRDA/Transportation Branch on May 20, 2025, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-2025-00325 and is known as the Hurricane Helene NC 9 repair project (WBS#18314.1045061). This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the post Helene repairs to NC 9 and would result in the permanent impact to 15 lf of stream channel and the temporary impact to 1,234 lf of stream channel. The project is located along NC 9 starting at the intersection of NC 9 with US 64 and extending approximately 7.75 miles north to terminate at the Buncombe/Henderson County line in Bat Cave, Henderson County, North Carolina, at Latitude 35.455020 and Longitude -82.289520.

We have determined that the proposed work is authorized by NWP 3 and 33 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until March 14, 2025, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies

with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

Project Specific Special Conditions:

1. The U.S. Fish and Wildlife Service's (USFWS's) Programmatic Biological (PBO) and Conference Opinion (PCO) and Programmatic Conference Report titled "Five Imperiled Bat Species in Western North Carolina" dated April 1, 2025, contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that are specified in the PBO/PCO. The USFWS adopted the PBO/PCO as the Programmatic Biological Opinion (PBO) for the effects of this action on July 7, 2025. Your authorization under this Corps permit is conditional upon your compliance with all the mandatory terms and conditions associated with incidental take of the PBO, 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 PBO, 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 PBO, and with the ESA.
2. The Permittee shall implement commitments as described in the Historic Architecture and Landscapes Assessment of Effects Form (enclosed) to ensure no adverse effect to historic architecture resources. *The resource noted is not within the permitted area.*

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

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Crystal Amschler, WRDA Project Manager of the WRDA/Transportation Branch at 828-526-6013, by mail at the above address, or by email at crystal.c.amschler@usace.army.mil. 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 fluid and cursive, with the first letters of each name being capitalized and prominent.

M. Scott Jones, PWS
WRDA / Transportation Branch Chief
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 crystal.c.amschler@usace.army.mil or by mail at the below address:</p> <div style="text-align: center; margin-top: 20px;"> U.S. Army Corps of Engineers Wilmington District Office Street Address: 151 Patton Ave Rm 208 City: Asheville State: NC Zip Code: 28801 </div>														
COMPLETED BY THE CORPS														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;">Corps Action Number:</td> <td style="border-bottom: 1px solid black;">SAW-2025-00325</td> </tr> <tr> <td>Permit Type: <u>General Permit</u></td> <td></td> </tr> <tr> <td>General Permit Number and Name (if applicable):</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>Name of Permittee:</td> <td style="border-bottom: 1px solid black;">Michael Turchy</td> </tr> <tr> <td>Project Name:</td> <td style="border-bottom: 1px solid black;">the Hurricane Helene NC 9 repair project (WBS#18314.1045061)</td> </tr> <tr> <td>Project Location (physical address):</td> <td style="border-bottom: 1px solid black;">Bat Cave, North Carolina</td> </tr> </table>			Corps Action Number:	SAW-2025-00325	Permit Type: <u>General Permit</u>		General Permit Number and Name (if applicable):		Name of Permittee:	Michael Turchy	Project Name:	the Hurricane Helene NC 9 repair project (WBS#18314.1045061)	Project Location (physical address):	Bat Cave, North Carolina
Corps Action Number:	SAW-2025-00325													
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Name of Permittee:	Michael Turchy													
Project Name:	the Hurricane Helene NC 9 repair project (WBS#18314.1045061)													
Project Location (physical address):	Bat Cave, North Carolina													
PERMITTEE'S CERTIFICATION														
<p>Date Work Started: _____</p> <p>Date Work Completed: _____</p> <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) - Aug 2025

JOSH STEIN
Governor

D. REID WILSON
Secretary

RICHARD E. ROGERS, JR.
Director



NORTH CAROLINA
Environmental Quality

August 4, 2025

DWR # 20250664
Henderson County

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

Delivered via email to: maturchy@ncdot.gov

Subject: Approval of Individual 401 Water Quality Certification
NC 9 Helene Repairs, WBS# 18314.1045061

Location: 35.455019 / 82.289515

Dear Mr. Turchy:

Attached hereto is a copy of Certification No. WQC007905 issued to Mr. Michael Turchy and The North Carolina Department of Transportation (NCDOT) dated August 4, 2025. This approval is for the purpose and design described in your application.

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

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

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

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



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

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

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

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

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

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

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

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

Sincerely,

Signed by:

Faith Hardin

3185423002EA45E...

Faith Hardin, Supervisor

401 & Buffer Transportation Permitting Branch

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

Filename: 20250664_NC 9 Helene Repairs_Approval_20250804.docx



NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

CERTIFICATION #WQC007905 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 May 20, 2025, and subsequent information on July 28, 2025, and by Public Notice issued by the Division on May 20, 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	Permanent Fill in Intermittent Stream (linear ft)	Temporary Fill in Intermittent Stream (linear ft)	Permanent Fill in Perennial Stream (linear ft)	Temporary Fill in Perennial Stream (linear ft)	Total Stream Impact (linear ft)	Stream Impacts Requiring Mitigation (linear ft)
S1	-	-	*1,073	1,222	2,295	0
S2	*15	12	-	-	27	0
S3	*295	11	-	-	306	0
S4	*382	11	-	-	393	0
Total	*692	34	*1,073	1,222	3,021	0

*Permanent impact, not permanent loss. Impacts consist of fill material in original footprint and bank stabilization. Mitigation not required.

Total Stream Impact for Project: 3,021 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. Any material used to construct the temporary causeway and permanent bank stabilization within the Broad River shall be of a size and density to prevent movement by wave, current action, or stream flows, and shall consist of clean rock or masonry material free of debris or toxic pollutants. Rip rap shall not be installed in the streambed except in specific areas required for velocity control and to ensure structural integrity of bank stabilization measures. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC 02B .0201]
3. The permittee shall submit a temporary impact restoration plan for the restoration of the causeway and its associated impacts within the Broad River. The plan should identify the upland location where fill material removed from waters will be deposited. This Plan should include measures to protect water quality standards during project activities to remove temporary impacts / fill. Upon restoration of temporary impacts to wetlands and streams, the restored areas shall be monitored quarterly for at least two years with photo documentation. The monitoring may be extended up to another 3 years if the restoration sites have not adequately recovered. A Restoration Plan for these temporary impacts shall be submitted to the Division 30-days prior to the planned removal. The Division shall provide written approval of the Restoration Plan before conducting work. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]

General Conditions

1. Unless otherwise approved in this certification, placement of culverts and other structures in open waters and streams shall be placed below the elevation of the streambed by one foot for all culverts with a diameter greater than 48 inches, and 20 percent of the culvert diameter for culverts having a diameter less than 48 inches, to allow low flow passage of water and aquatic life. Design and placement of culverts and other structures including temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands or streambeds or banks, adjacent to or upstream and downstream of the above structures. The applicant is required to provide evidence that the equilibrium is being maintained if requested in writing by NCDWR. If this condition is unable to be met due to bedrock or other limiting features encountered during construction, please contact NCDWR for guidance on how to proceed and to determine whether or not a permit modification will be required. [15A NCAC 02H.0506(b)(2)]



2. If concrete is used during construction, a dry work area shall be maintained to prevent direct contact between curing concrete and stream water. Water that inadvertently contacts uncured concrete shall not be discharged to surface waters due to the potential for elevated pH and possible aquatic life and fish kills. [15A NCAC 02B.0200]
3. For all streams being impacted due to site dewatering activities, the site shall be graded to its preconstruction contours and revegetated with appropriate native species. [15A NCAC 02H.0506(b)(2)]
4. During the construction of the project, no staging of equipment of any kind is permitted in waters of the state or protected riparian buffers. [15A NCAC 02H.0506(b)(2)]
5. The dimension, pattern and profile of the stream above and below the crossing shall not be modified. Disturbed floodplains and streams shall be restored to natural geomorphic conditions. [15A NCAC 02H.0506(b)(2)]
6. The use of rip-rap above the Normal High Water Mark shall be minimized. Any rip-rap placed for stream stabilization shall be placed in stream channels in such a manner that it does not impede aquatic life passage. [15A NCAC 02H.0506(b)(2)]
7. The Permittee shall ensure that the final design drawings adhere to the permit and to the permit drawings submitted for approval. [15A NCAC 02H .0507 (c) and 15A NCAC 02H .0506 (b)(2) and (c)(2)]
8. All work in or adjacent to stream waters shall be conducted in a dry work area. Approved BMP measures from the most current version of NCDOT Construction and Maintenance Activities manual such as sandbags, rock berms, cofferdams and other diversion structures shall be used to prevent excavation in flowing water. [15A NCAC 02H.0506(b)(3) and (c)(3)]
9. Heavy equipment shall be operated from the banks rather than in the stream channel in order to minimize sedimentation and reduce the introduction of other pollutants into the stream. [15A NCAC 02H.0506(b)(3)]
10. All mechanized equipment operated near surface waters must be regularly inspected and maintained to prevent contamination of stream waters from fuels, lubricants, hydraulic fluids, or other toxic materials. [15A NCAC 02H.0506(b)(3)]
11. No rock, sand or other materials shall be dredged from the stream channel except where authorized by this certification. [15A NCAC 02H.0506(b)(3)]



12. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(3)]
13. The permittee and its authorized agents shall conduct its activities in a manner consistent with State water quality standards (including any requirements resulting from compliance with §303(d) of the Clean Water Act) and any other appropriate requirements of State and Federal law. If the NCDWR determines that such standards or laws are not being met (including the failure to sustain a designated or achieved use) or that State or federal law is being violated, or that further conditions are necessary to assure compliance, the NCDWR may reevaluate and modify this certification. [15A NCAC 02B.0200]
14. All fill slopes located in jurisdictional wetlands shall be placed at slopes no flatter than 3:1, unless otherwise authorized by this certification. [15A NCAC 02H.0506(b)(2)]
15. A copy of this Water Quality Certification shall be maintained on the construction site at all times. In addition, the Water Quality Certification and all subsequent modifications, if any, shall be maintained with the Division Engineer and the on-site project manager. [15A NCAC 02H.0507(c) and 15A NCAC 02H.0506 (b)(2) and (c)(2)]
16. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization, including all non-commercial borrow and waste sites associated with the project, shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H.0501 and .0502]
17. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02B.0506(b)(2)]
18. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer (or whomever is the authorized agent if a non-NCDOT project) shall complete and return the "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0507]
19. Native riparian vegetation (i.e., herbaceous, trees, and shrubs native to your geographic region) must be reestablished in the riparian areas within the construction limits of the project by the end of the growing season following completion of construction. [15A NCAC 02B.0506(b)(2)]
20. There shall be no excavation from, or waste disposal into, jurisdictional wetlands or waters associated with this permit without appropriate modification. Should waste or borrow sites, or access roads to waste or borrow sites, be located in wetlands or streams, compensatory mitigation will be required since that is a direct impact from road construction activities. [15A



NCAC 02H.0506(b)(3) and (c)(3)]

21. Erosion control matting that incorporates plastic mesh and/or plastic twine shall not be used along streambanks or within jurisdictional wetlands. [15A NCAC 2H.0506; 15A NCAC 2H.0507]
22. Erosion and sediment control practices must be in full compliance with all specifications governing the proper design, installation and operation and maintenance of such Best Management Practices in order to protect surface waters standards [15A NCAC 02H.0506(b)(3)]:
 - a. The erosion and sediment control measures for the project must be designed, installed, operated, and maintained in accordance with the most recent version of the North Carolina Sediment and Erosion Control Planning and Design Manual.
 - b. The design, installation, operation, and maintenance of the sediment and erosion control measures must be such that they equal, or exceed, the requirements specified in the most recent version of the North Carolina Sediment and Erosion Control Manual. The devices shall be maintained on all construction sites, borrow sites, and waste pile (spoil) projects, including contractor-owned or leased borrow pits associated with the project.
 - c. For borrow pit sites, the erosion and sediment control measures must be designed, installed, operated, and maintained in accordance with the most recent version of the North Carolina Surface Mining Manual.
 - d. The reclamation measures and implementation must comply with the reclamation in accordance with the requirements of the Sedimentation Pollution Control Act.
23. Sediment and erosion control measures shall not be placed in wetlands or surface waters without prior approval from DWR. [15A NCAC 02H.0506(b)(3)]

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

This, the 4th day of August 2025

Signed by:

Faith Hardin

3185423002EA45E...

Faith Hardin, Supervisor

401 & Buffer Transportation Permitting Branch



Permitted Drawings - August 2025



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: 18314.1045 TIP/Proj No: NC-9 County(ies): Henderson Page 1 of 2

General Project Information

WBS Element:	18314.1045035	TIP Number:	NC-9	Project Type:	Roadway Widening	Date:	5/1/2025
NCDOT Contact:	Josh Deyton			Contractor / Designer:	Sungate Design Group, PA		
Address:	253 Webster Road Sylva, NC 28779			Address:	905 Jones Franklin Rd Raleigh, NC 27606		
	Phone: 828-331-5211				Phone: 919-859-2243		
	Email: jbdeyton@ncdot.gov				Email: jdalton@sungatedesign.com		
City/Town:	Bat Cave			County(ies):	Henderson		
River Basin(s):	Broad			CAMA County?	No		
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	1.97	Surrounding Land Use:	Residential, Wooded, Conservation Forest					
	Proposed Project		Existing Site					
Project Built-Upon Area (ac.)	14.0	ac.	5.8	ac.				
Typical Cross Section Description:	NC-9: Southbound lane includes a 10' paved lane with 4' shoulders (2' paved + 2' grass from 10+12 to 91+00 -L-)(4' grass from 91+00 to 113+77 -L-). Northbound lane includes a 10' paved lane with 3' shoulders (2' paved + 1' grass from 10+12 to 91+00 -L-)(3' grass from 91+00 to 113+77 -L-). Varying cut and fill slopes (see XSC file for detailed information).			Existing NC-9: 10' paved lane with 3' shoulders (1' paved + 2' grass) in each direction. Varying cut and fill slopes.				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	1000	Year:	2025	Existing:	1000	Year:	2025

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

The North Carolina Department of Transportation (NCDOT) has proposed repairs to NC-9 from US 74 ALT to the Henderson County Line. The project, NC-9, was proposed in response to the damage caused by Hurricane Helene (09/2024). There is one major structure within the limits of the project (2@8'x10' RCBC) that is not being impacted by the proposed design. There have been 2 repiars proposed to the structure fixing erosion issues on either end of the culvert (see PSH 08 for inlet/outlet improvements). Erosion and Sediment Control measures to preserve water quality for instream construction activities will include floating turbidity curtains and/or impervious dikes. Rip rap has been added to outlets in jurisdictional features in order to dissipate energy and reduce velocities.

Note: This authorization request for
Section 329 - 10+00 to 37+00

Permit Drawing Sheets 1-12, 23



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: 18314.1045 TIP/Proj No.: NC-9 County(ies): Henderson 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?	No	Deck Drains Discharge Over Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)	Dissipator Pads Provided in Buffer?
(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)

Surface Water Body (2):	Grassy Creek	NCDWR Stream Index No.:	9-13
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:	Grassy Creek	Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)	Dissipator Pads Provided in Buffer?
(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)

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)			

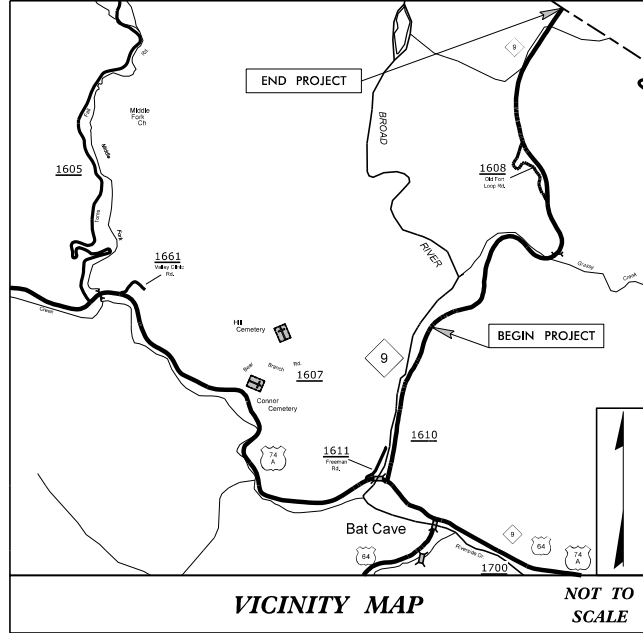
Note: This authorization request
for Section 329 - 10+00 to 37+00

Permit Drawing Sheets 1-12, 23

PROJECT: NC-9

CONTRACT:

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols



VICINITY MAP

NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HENDERSON COUNTY

LOCATION: NC-9 FROM THE US 74A /NC-9
INTERSECTION TO THE BUNCOMBE COUNTY
LINE

TYPE OF WORK: GRADING, DRAINAGE,
PAVING, AND RETAINING WALLS

WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING
SHEET 1 OF 24

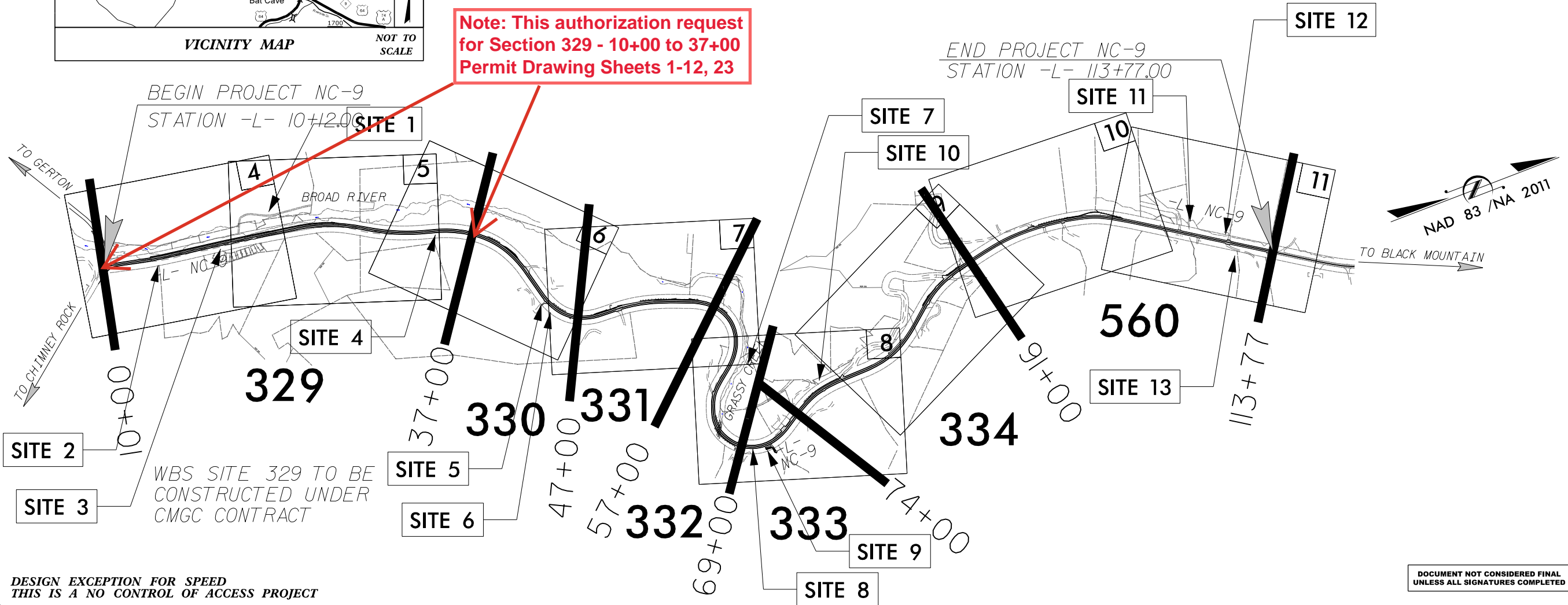
DATE: 5/1/2025

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	NC-9	1	
STATE PROJ. NO.	DESCRIPTION		
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18314.1045035	330		
18314.1045063	331		
18314.1045062	332		
18314.1045074	333		
18314.1045073	334		
18314.1045135	560		

RIGHT OF WAY PLAN SET



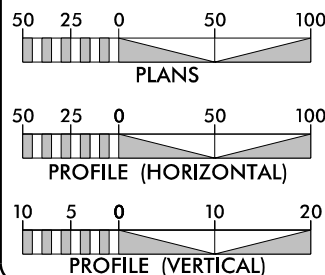
Note: This authorization request
for Section 329 - 10+00 to 37+00
Permit Drawing Sheets 1-12, 23



DESIGN EXCEPTION FOR SPEED
THIS IS A NO CONTROL OF ACCESS PROJECT

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 1000
K = N/A
D = N/A
T = 7%
V = 45 MPH

FUNC CLASSIFICATION =
MAJOR COLLECTOR
REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT NC-9 = 1.454 MILES
TOTAL LENGTH TIP PROJECT NC-9 = 1.454 MILES

PREPARED IN THE OFFICES OF:



FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

2024 STANDARD SPECIFICATIONS
3R GUIDELINES

STEVE SMALLWOOD, P.E.
PROJECT ENGINEER

A. DEAN SARVIS, P.E.
PROJECT DESIGN ENGINEER

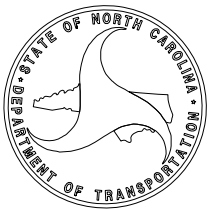
JOSH B. DEYTON, P.E.
NCDOT DIVISION 14 CONTACT

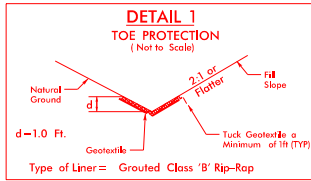
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SIGNATURE: P.E.

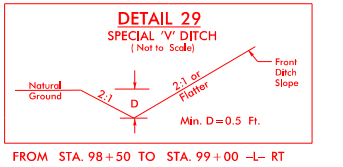
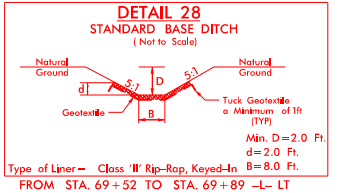
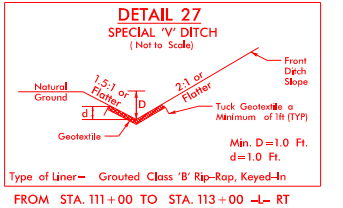
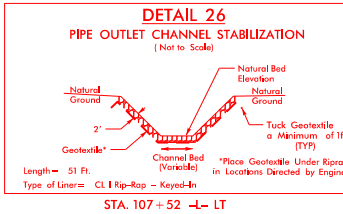
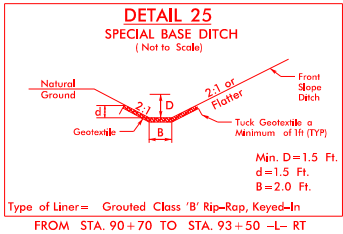
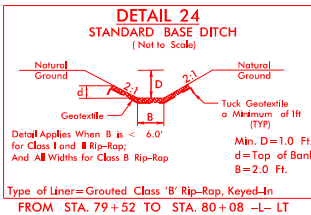
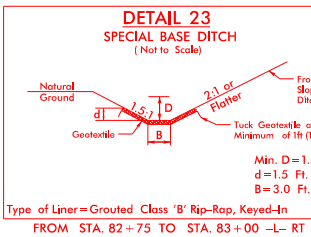
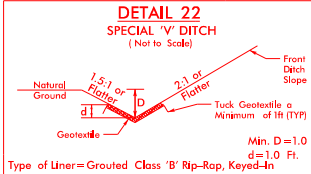
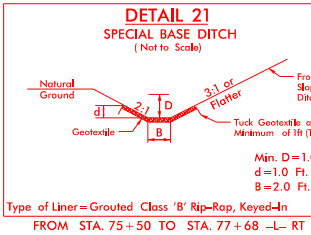
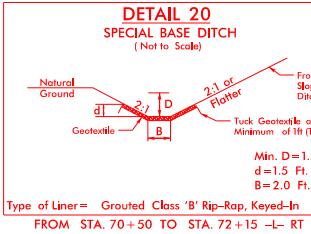
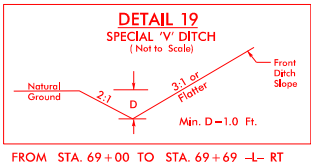
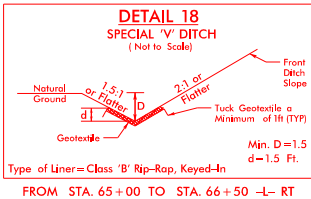
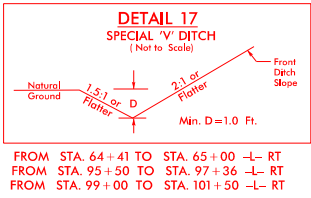
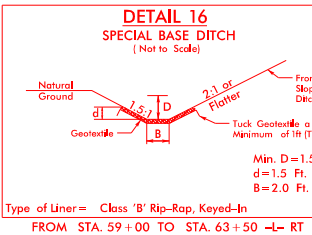
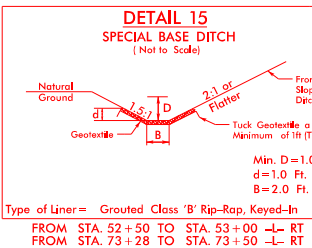
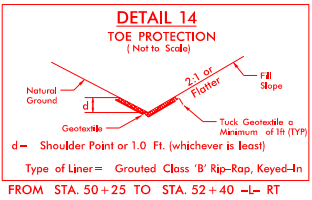
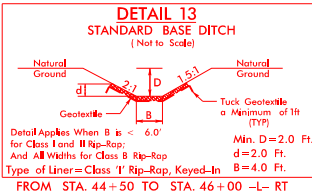
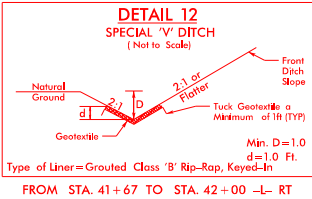
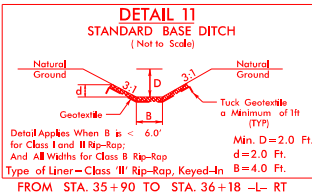
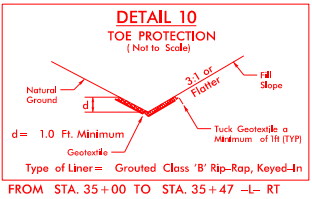
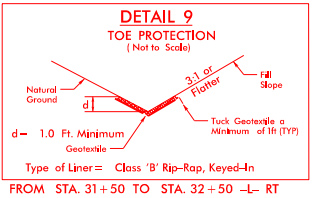
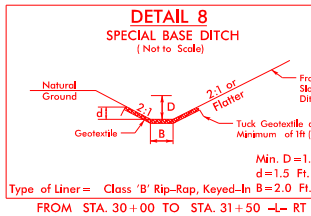
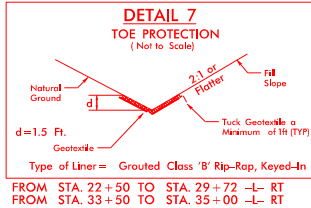
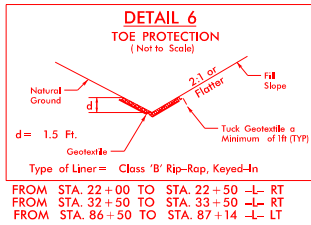
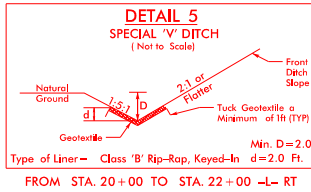
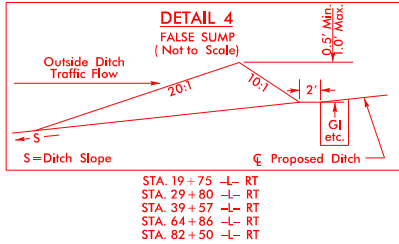
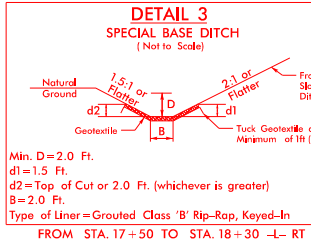
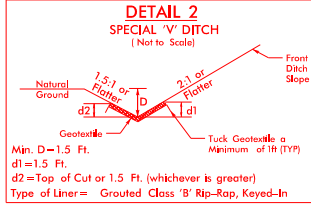
ROADWAY ENGINEER

SIGNATURE: P.E.







FROM STA. 10+50 TO STA. 11+28 -L- RT
FROM STA. 11+34 TO STA. 13+50 -L- RT
FROM STA. 53+00 TO STA. 56+80 -L- RT
FROM STA. 73+50 TO STA. 75+50 -L- RT
FROM STA. 77+68 TO STA. 80+00 -L- RT





PERMIT DRAWING
SHEET 2 OF 24

DATE: 5/1/2025

PROJECT REFERENCE NO. NC-9		SHEET NO. 2B-1	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
SUNGATE DESIGN GROUP, P.A.			
		905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL (919) 859-2243 ENG FIRM LICENSE NO. C-690	
		 Stantec	
8848 RED OAK BLVD SUITE A CHARLOTTE, NC 28217 (704) 523-4726		Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672	

PERMIT DRAWING
SHEET 3 OF 24

DATE: 5/1/2025

PROJECT REFERENCE NO.		SHEET NO.
NC-9		2B-2
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
SUNGATE DESIGN GROUP, P.A.		
 905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL (919) 856-2243 ENG FIRM LICENSE NO. C-690		
 Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672		

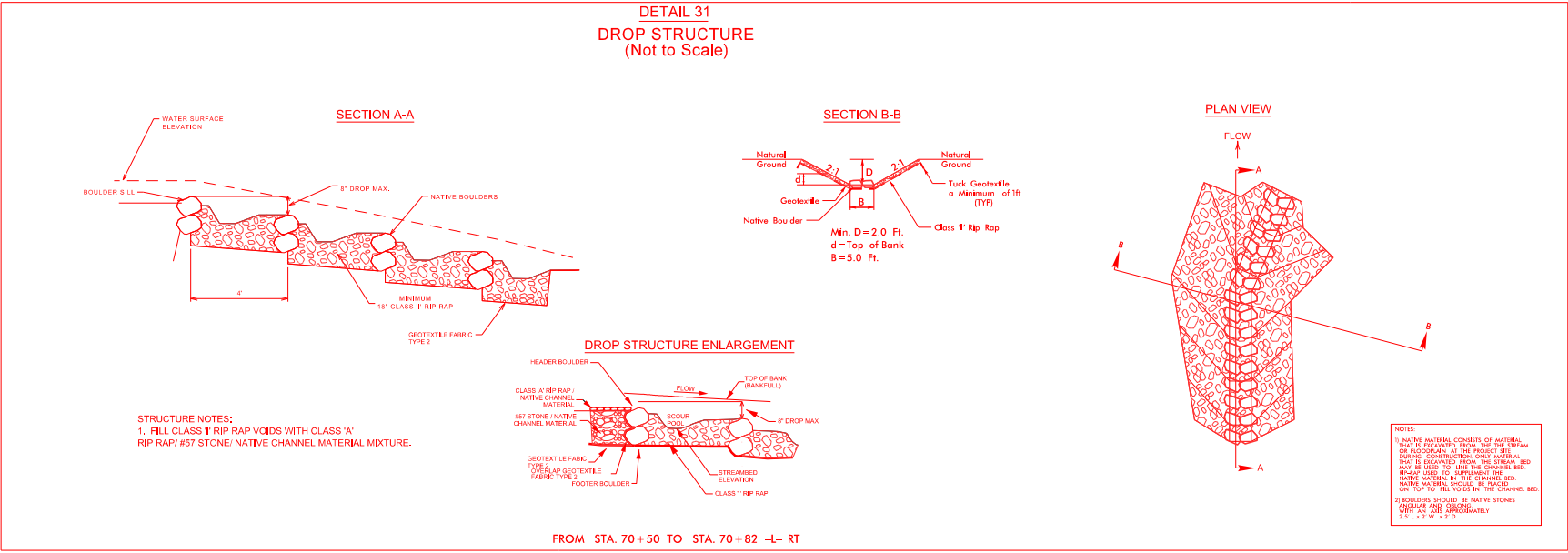
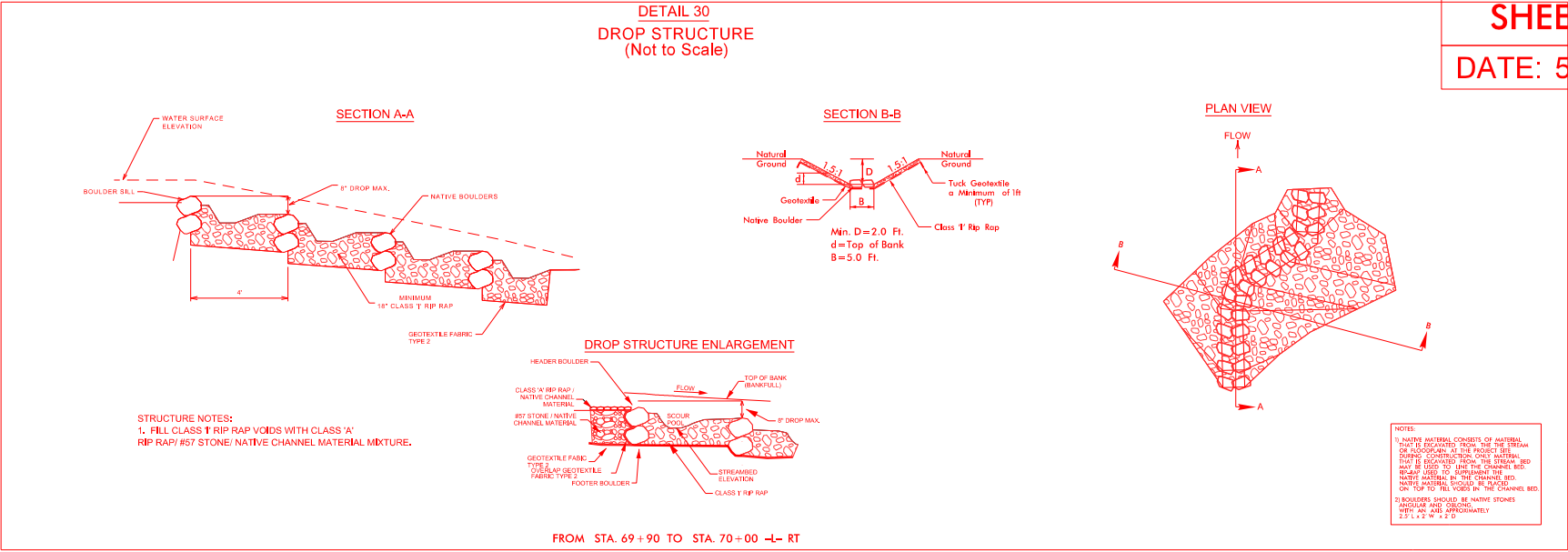




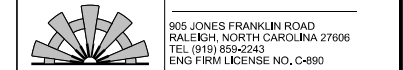
Figure 10.1

SCALE: 1" = 50'

PROJECT REFERENCE NO.		SHEET NO.	
NC-9		4	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

**DOCUMENT NOT CONSIDERED FINAL
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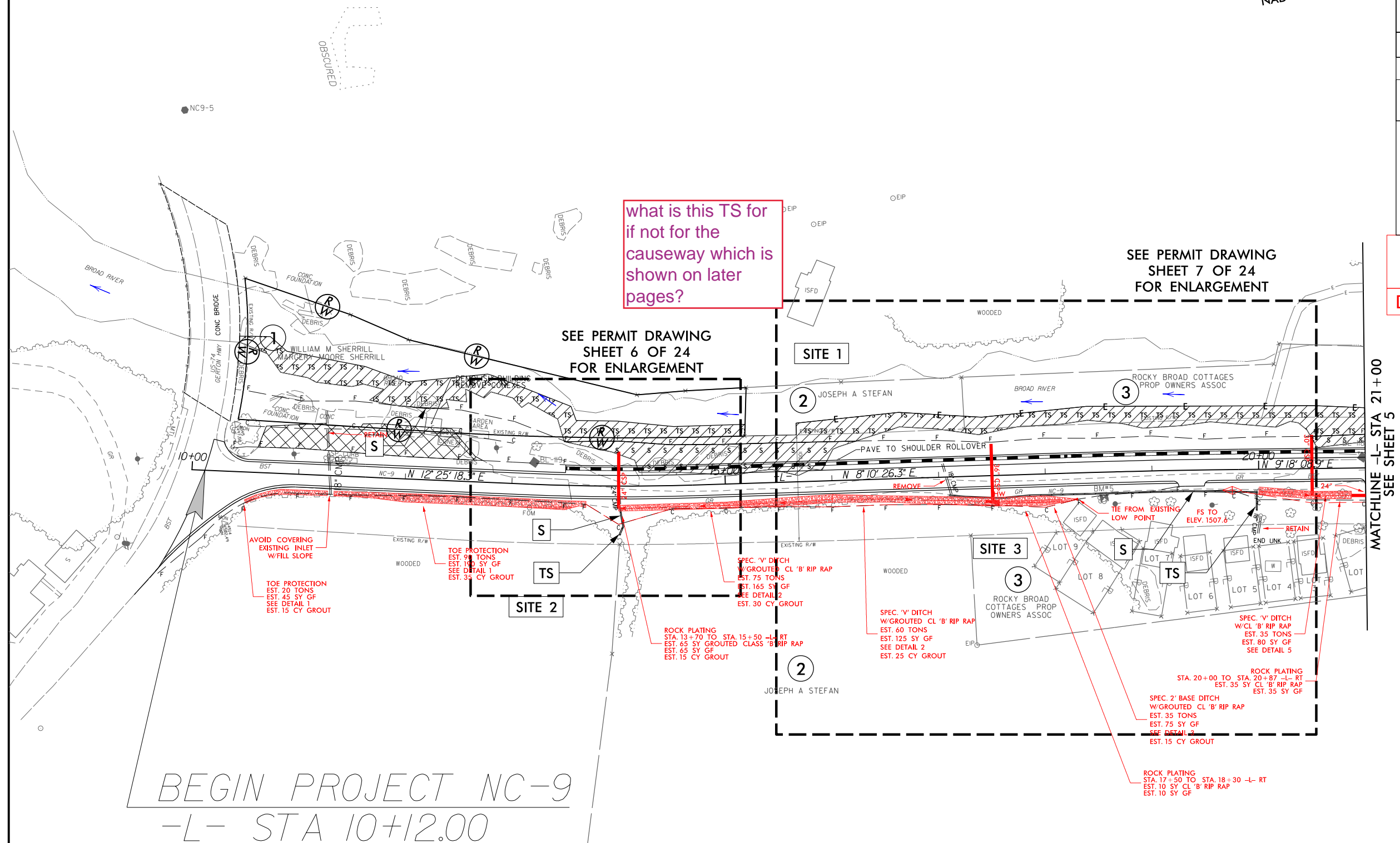
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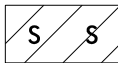


8848 RED OAK BLVD
SUITE A
CHARLOTTE, NC 28217
(704) 523-4726

PERMIT DRAWING
SHEET 4 OF 24

DATE: 5/1/2025



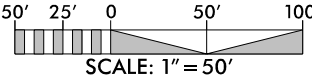


SURFACE WATER IMPACTS



TEMPORARY SURFACE WATER IMPACTS

NOTE: FOR -L- PROFILE SEE SHEET 12



PROJECT REFERENCE NO.	SHEET NO.
NC-9	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
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SUNGATE DESIGN GROUP, P.A.



905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL. (919) 856-2243
ENG FIRM LICENSE NO. C-890

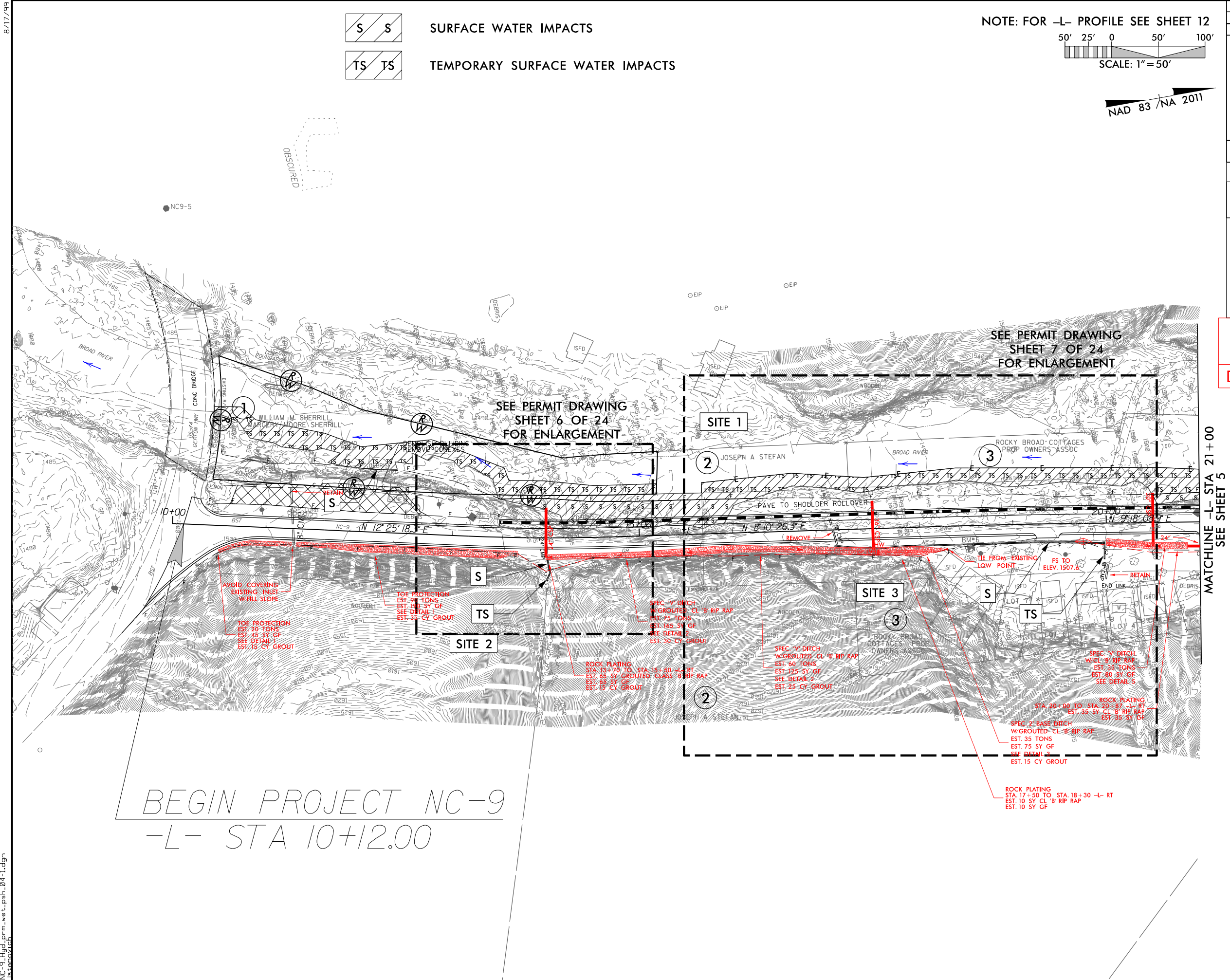


8848 RED OAK BLVD
SUITE A
CHARLOTTE, NC 28217
(704) 523-4726

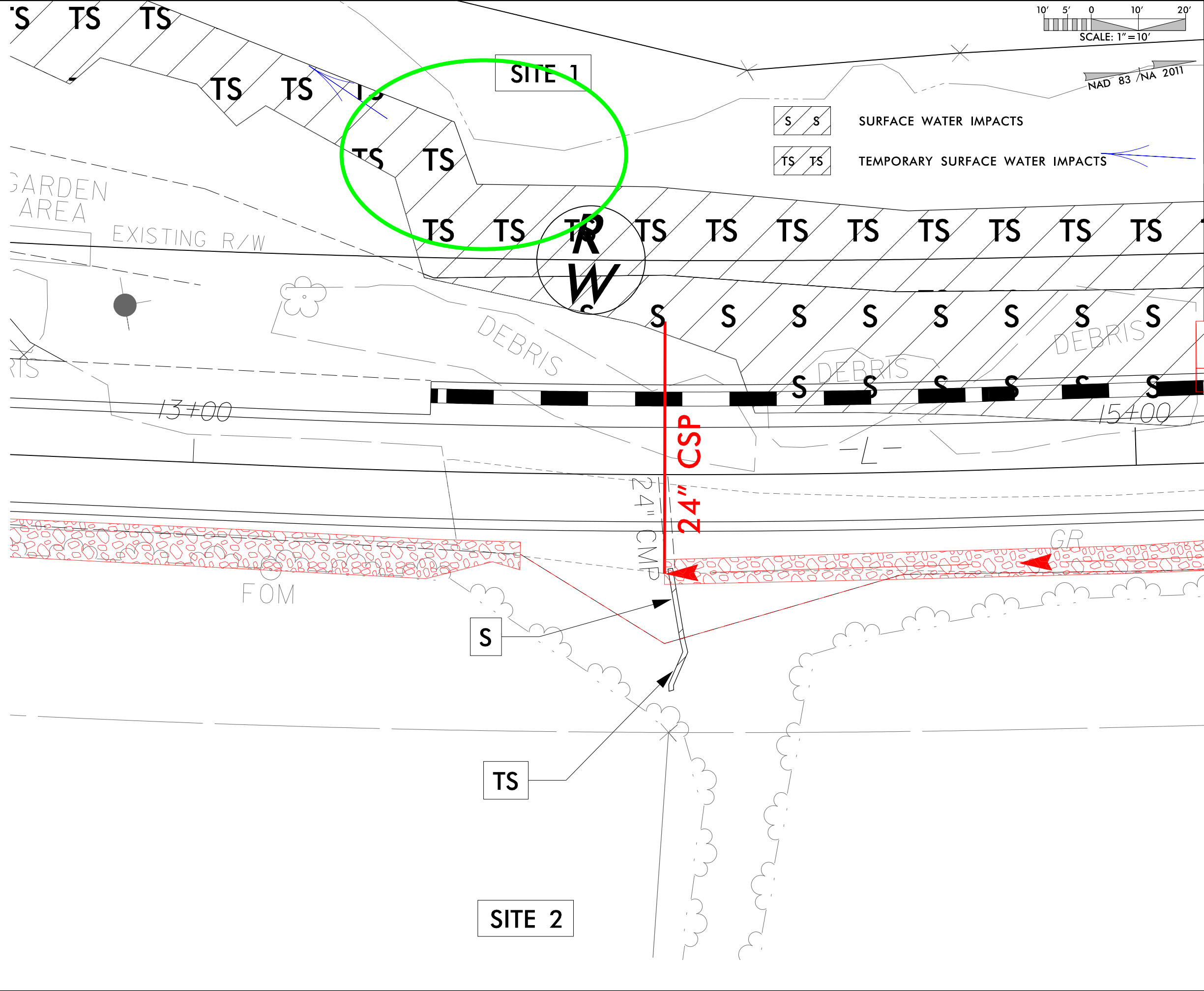
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672


PERMIT DRAWING
SHEET 5 OF 24

DATE: 5/1/2025



8/17/99

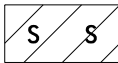


PROJECT REFERENCE NO. NC-9		SHEET NO.	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
SUNGATE DESIGN GROUP, P.A.			
 905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL: (919) 858-2243 ENG FIRM LICENSE NO. C-690			
 Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel: (919) 851-6866 Fax: (919) 851-7024 www.stantec.com License No. F-0672			

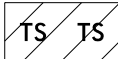
**PERMIT DRAWING
SHEET 6 OF 24**

DATE: 5/1/2025





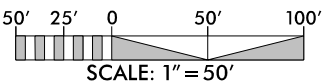
SURFACE WATER IMPACTS






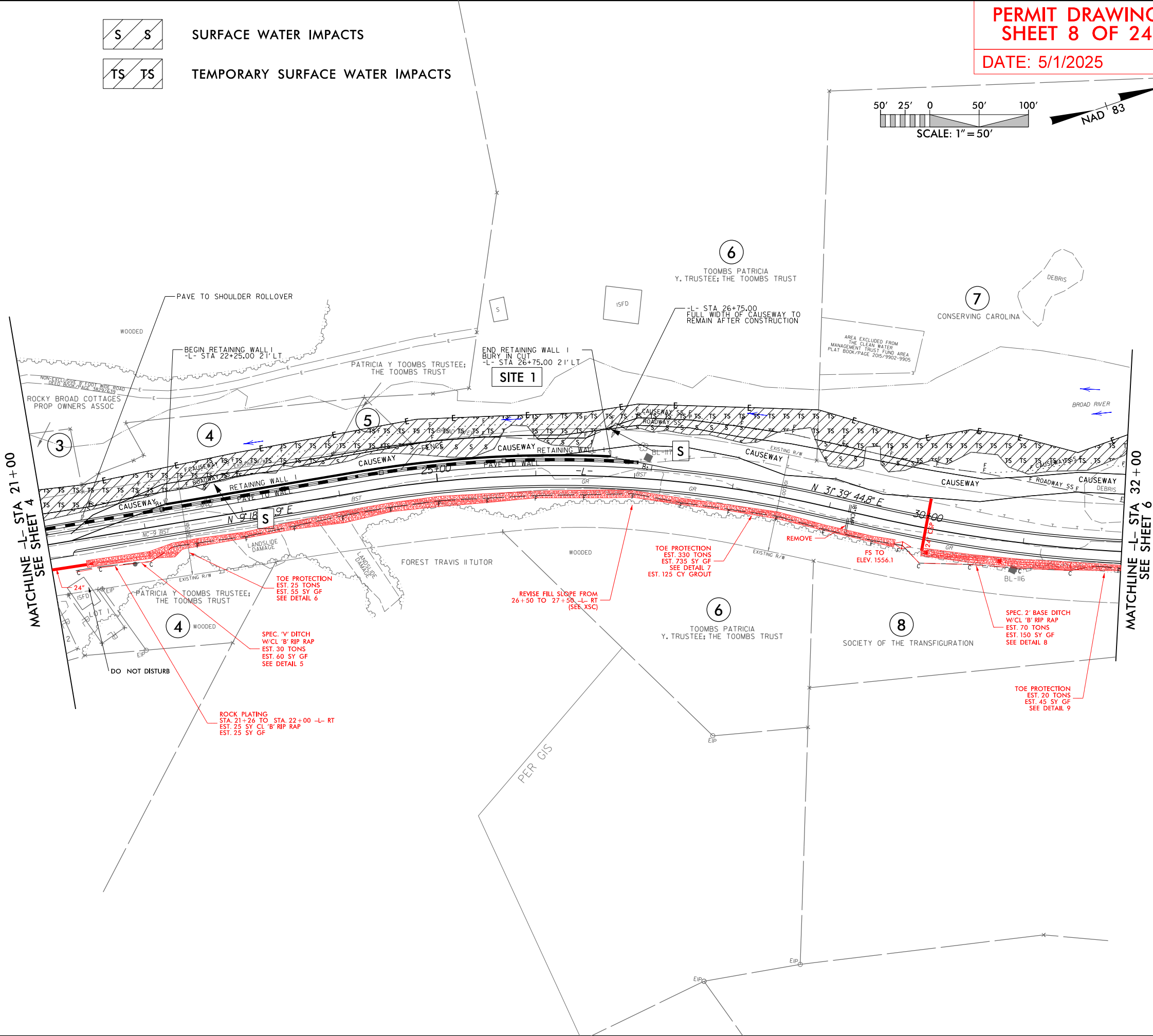
TEMPORARY SURFACE WATER IMPACTS

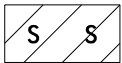
PERMIT DRAWING
SHEET 8 OF 24

DATE: 5/1/2025



PROJECT REFERENCE NO. NC-9		SHEET NO. 5
RW SHEET NO.		
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
SUNGATE DESIGN GROUP, P.A.		
		905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL. (919) 858-2243 ENG. FIRM LICENSE NO. C-890
		 Stantec Stantec Consulting Services 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672
48 RED OAK BLVD SUITE A CARLOTTE, NC 28217 (704) 523-4726		





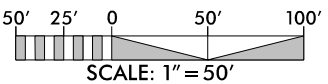
SURFACE WATER IMPACTS




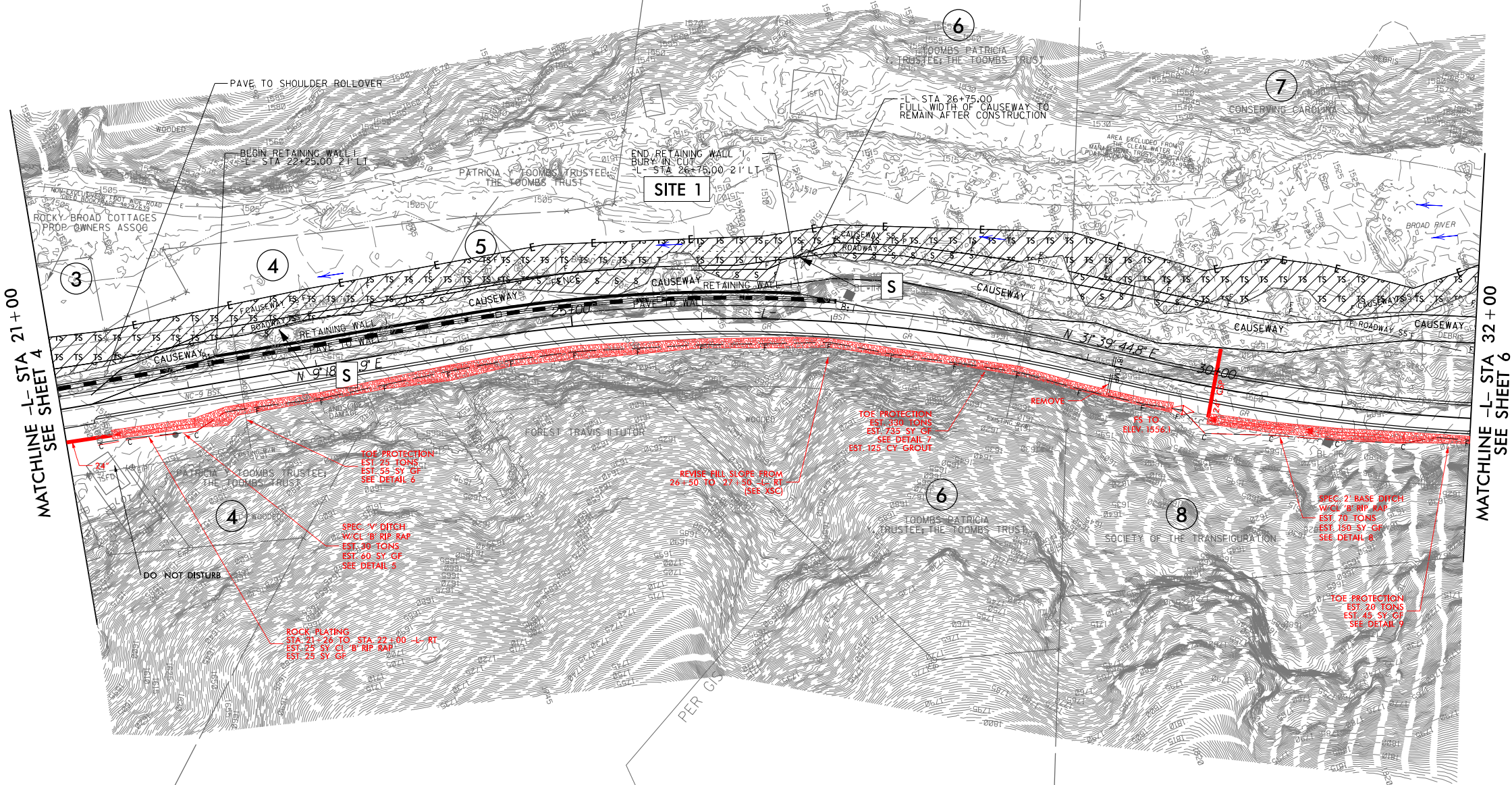
TEMPORARY SURFACE WATER IMPACTS


PERMIT DRAWING
SHEET 9 OF 24




DATE: 5/1/2025

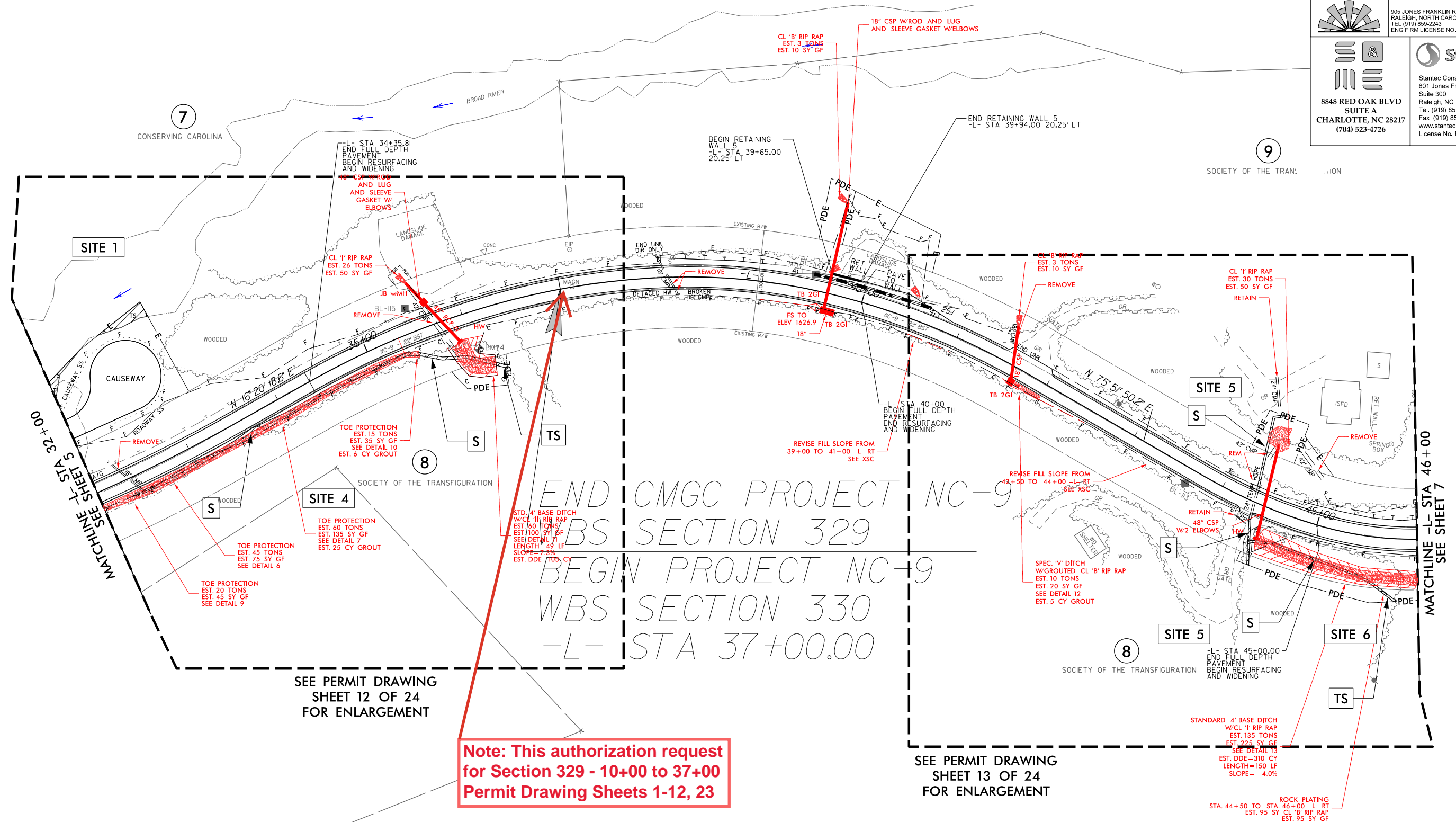


PROJECT REFERENCE NO. NC-9		SHEET NO. 5
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
SUNGATE DESIGN GROUP, P.A.		
 905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL (919) 856-2243 ENG FIRM LICENSE NO. C-890		
 Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672		
8848 RED OAK BLVD SUITE A CHARLOTTE, NC 28217 (704) 523-4726		



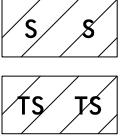
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PROJECT REFERENCE NO. <i>NC-9</i>		SHEET NO. <i>6</i>	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
		<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>SUNGATE DESIGN GROUP, P.A.</p>	
			
		<p>905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL (919) 859-2243 ENG FIRM LICENSE NO. C-890</p>	
			
<p>8848 RED OAK BLVD SUITE A CHARLOTTE, NC 28217 (704) 523-4726</p>		<p>Stantec Consulting Services Inc 801 Jones Franklin Road Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672</p>	



8/17/99

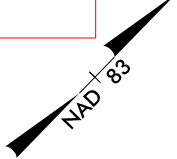
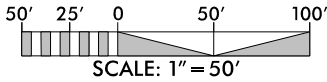
5/1/2025
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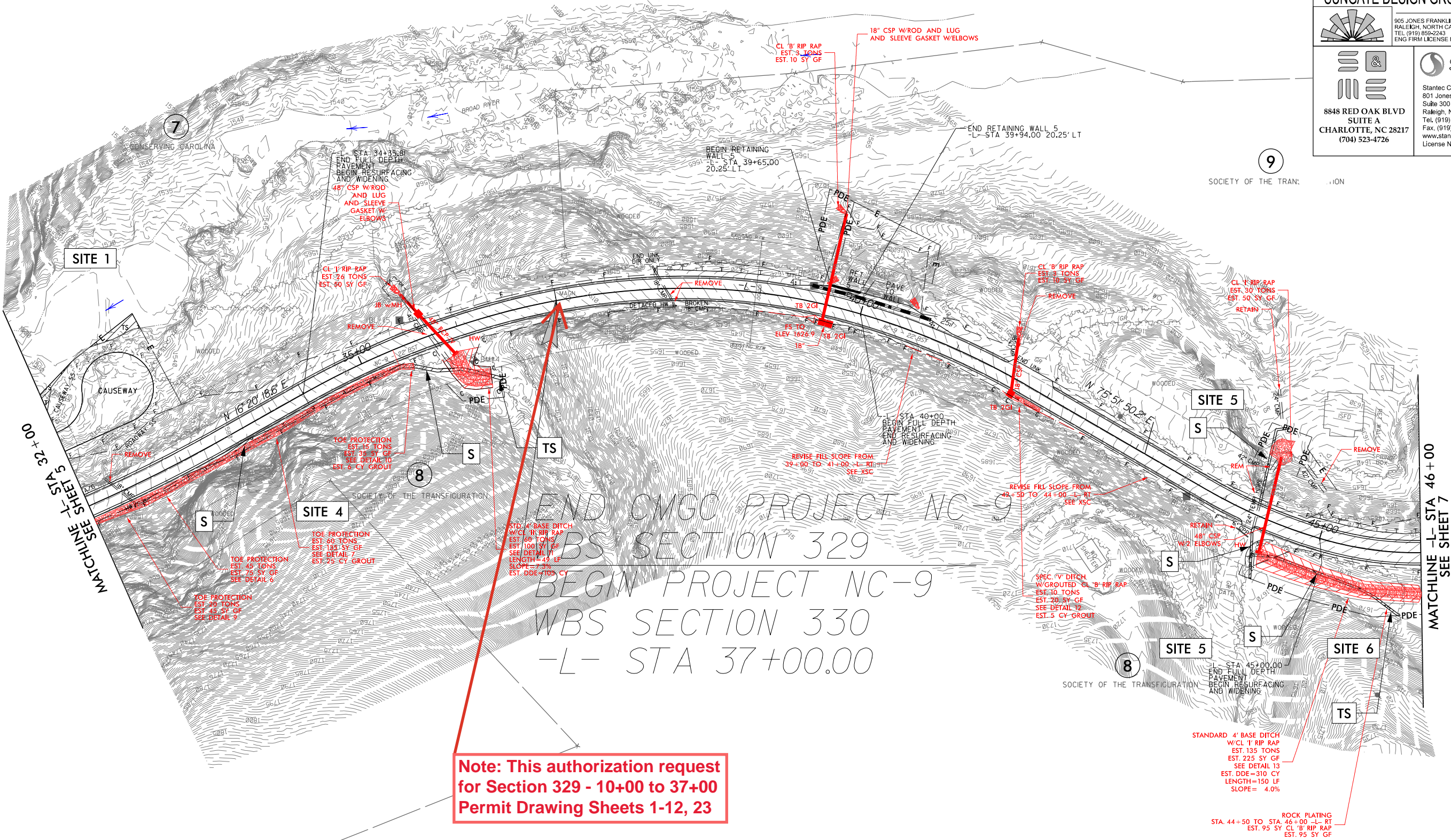
SURFACE WATER IMPACTS
TEMPORARY SURFACE WATER IMPACTS

PERMIT DRAWING
SHEET 11 OF 24

DATE: 5/1/2025

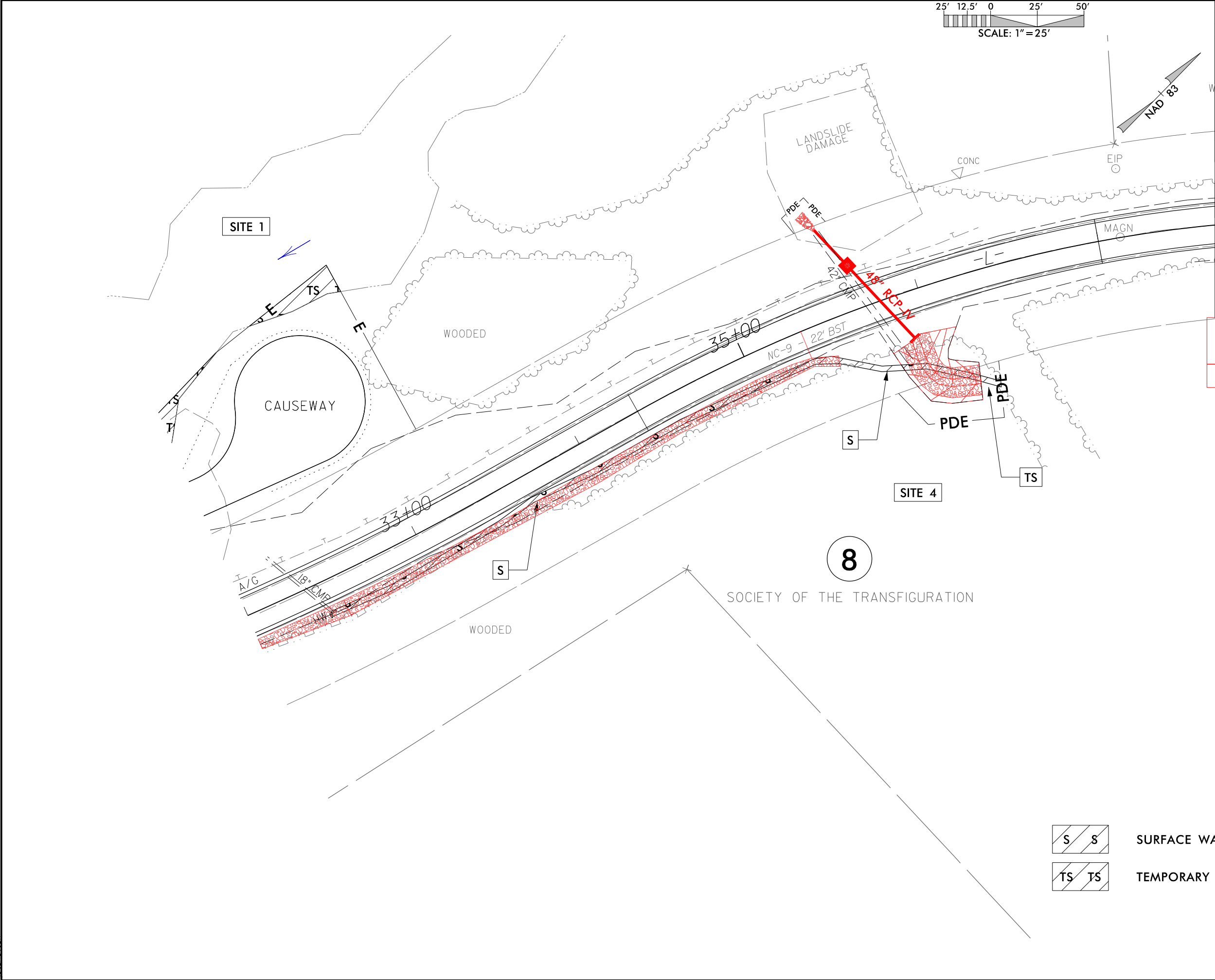




PROJECT REFERENCE NO. NC-9		SHEET NO. 6
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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SUNGATE DESIGN GROUP, P.A.		
 <div>905 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27606 TEL: (919) 858-2243 ENG FIRM LICENSE NO. C-890</div>		
<div> Stantec</div> <div>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024 www.stantec.com License No. F-0672</div>		



Note: This authorization request
for Section 329 - 10+00 to 37+00
Permit Drawing Sheets 1-12, 23



NOTE: FOR -L- PROFILE SEE SHEET 12 & 13



PROJECT REFERENCE NO. NC-9		SHEET NO.
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
SUNGATE DESIGN GROUP, P.A.		
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**PERMIT DRAWING
SHEET 12 OF 24**

DATE: 5/1/2025

- | | |
|---|--|
|  | SURFACE WATER IMPACTS |
|  | TEMPORARY SURFACE WATER IMPACTS |

WETLAND AND SURFACE WATER IMPACTS SUMMARY

			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	10+40 to 33+27-L-LT	ROADWAY FILL						0.278	1.029	1073	1222	
2	14+01 to 14+05-L-RT	ROADWAY FILL						0.001	0.001	15	12	
3	17+10 to 19+98-L-RT	ROADWAY FILL						0.007	0.001	295	11	
4	32+41 to 36+29-L-RT	ROADWAY FILL						0.024	0.001	340		
		PIPE INLET						0.003		42	11	
TOTALS*:			0.000	0.000	0.000	0.000	0.000	0.313	1.032	1765	1256	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

04-17-2025

HENDERSON COUNTY

NC-9

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