



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

JOSH STEIN  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

4/22/2025

MEMORANDUM TO: Division Environmental and Construction Units

FROM: Jason L Dilday, ECAP Eastern Region Supervisor  
Environmental Analysis Unit

SUBJECT: Environmental Permits for the Replacement of Bridge 24 on NC 11 over  
Cashie River in Bertie County, Division 1, **TIP: BR-0153.**

Please find enclosed the following permits for this project:

Agency	Permit Type	Permit Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 14	March 14, 2026
NC Division of Water Resources Section 401 Water Quality Certification	Certification No. WQC007511	March 14, 2026

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

The General Conditions and Certifications for Nationwide and Regional Permits can be referenced at:  
[https://xfer.services.ncdot.gov/pdea/PermIssued/\\_General\\_Conditions\\_and\\_Certifications/](https://xfer.services.ncdot.gov/pdea/PermIssued/_General_Conditions_and_Certifications/)

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



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

April 15, 2025

Regulatory Division  
SAW-2004-11370

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

Jason Dilday  
ECAP  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, North Carolina 27699-1598

Dear Mr. Dilday:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, WRDA/Transportation Branch on January 14, 2025, and determined complete on April 1, 2025, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-2004-11370 and is known as NCDOT Hwy 11 Bridge 24 Cashie River. 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 replacement of a 3-span, 90-foot bridge with a 2-span, 130-foot bridge on NC11 on the existing alignment, utilizing an on-site detour. The project will permanently fill 0.19 acres of wetlands and permanently impact 244 linear feet of stream.. The project will permanently fill 0.19 acres of wetlands and permanently impact 244 linear feet of stream. The project area for this determination includes an area which is illustrated on the site plans. The project/review area is located on NC 11 approximately 0.48 miles north of the intersection of NC 308, at Latitude 36.142880 and Longitude -77.165530; in Lewiston Woodville, Bertie County, North Carolina.

We have determined that the proposed work is authorized by NWP 14 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

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

**Project Specific Special Conditions:**

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

appropriate authority to determine compliance with the terms and conditions of its PCO, and with the ESA.

3. In order to compensate for impacts associated with this permit, mitigation shall be provided in accordance with the provisions outlined on the most recent version of the attached Compensatory Mitigation Responsibility transfer form.

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 Kyle Barnes, WRDA/ Transportation Branch Project Manager at 910-251-4584, by mail at the above address, or by email at [kyle.w.barnes@usace.army.mil](mailto:kyle.w.barnes@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



<b>U.S. Army Corps of Engineers (USACE)</b> <b>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</b> For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.		<b>Form Approved -</b> <b>OMB No. 0710-0003</b> <b>Expires 2027-10-31</b>
<b>The Agency Disclosure Notice (ADN)</b>		
<p>The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at <a href="mailto:whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil">whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil</a>. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p>		
<p><b>PURPOSE:</b> This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.</p> <p>Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.</p>		
<p>Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Wilmington District, Regulatory Office.</p> <p>The certification can be submitted by email at <u>Enter Email Name</u> @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: 69 Darlington Avenue        City: Wilmington      State: North Carolina      Zip Code: Wilmington Regulatory Office     </div>		
<b>COMPLETED BY THE CORPS</b>		
Corps Action Number:  Permit Type: <u>General Permit</u>  General Permit Number and Name (if applicable):  Name of Permittee:  Project Name:  Project Location (physical address):	<u>SAW-2004-11370</u> <hr/> <u>Jason Dilday</u> <hr/> <u>NCDOT Hwy 11 Bridge 24 Cashie River</u> <hr/> <u>Lewiston Woodville, North Carolina</u> <hr/>	
<b>PERMITTEE'S CERTIFICATION</b>		
Date Work Started: _____ Date Work Completed: _____ <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

**US Army Corps of Engineers – Wilmington District**  
**Compensatory Mitigation Responsibility Transfer Form**

**Permittee:** Jason Dilday  
**Project Name:** NCDOT Hwy 11 Bridge 24 Cashie River

**Action ID:** SAW-2004-11370  
**County:** Bertie

**Instructions to Permittee:** The Permittee must provide a copy of this form to the Mitigation Sponsor, either an approved Mitigation Bank or the North Carolina Division of Mitigation Services (NCDMS), who will then sign the form to verify the transfer of the mitigation responsibility. Once the Sponsor has signed this form, it is the Permittee's responsibility to ensure that Wilmington District Project Manager identified on page two is in receipt of a signed copy of this form before conducting authorized impacts, unless otherwise specified below. If more than one Mitigation Sponsor will be used to provide the mitigation associated with the permit, or if the impacts and/or the mitigation will occur in more than one 8-digit Hydrologic Unit Code (HUC), multiple forms will be attached to the permit, and the separate forms for each Sponsor and/or HUC must be provided to the appropriate Mitigation Sponsors.

**Instructions to Sponsor:** The Sponsor verifies that the mitigation requirements (credits) shown below have been released and are available at the identified site. By signing below, the Sponsor is accepting full responsibility for the identified mitigation, regardless of whether they have received payment from the Permittee. Once the form is signed, the Sponsor must update the bank ledger and provide a copy of the signed form and the updated ledger to the Permittee, the Project Manager who issued the permit, the Bank Project Manager, and the District Mitigation Office (see contact information on page 2). The Sponsor must also comply with all reporting requirements established in their authorizing instrument.

**Permitted Impacts and Compensatory Mitigation Requirements**

Permitted Impacts Requiring Mitigation\*: 8-digit HUC and Basin: 03010107, Roanoke River Basin

Stream Impacts (linear feet)			Wetland Impacts (acres)			
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal
244			.19			

\*If more than one mitigation sponsor will be used for the permit, only include impacts to be mitigated by this sponsor.

Compensatory Mitigation Requirements: 8-digit HUC and Basin: 03010107, Roanoke River Basin

Stream Mitigation (credits)			Wetland Mitigation (credits)			
Warm	Cool	Cold	Riparian Riverine	Riparian Non-Riverine	Non-Riparian	Coastal
244			.19			

**Mitigation Site Debited:** \_\_\_\_\_

(List the name of the bank to be debited. For umbrella banks, also list the specific site. For NCDMS, list NCDMS. If the NCDMS acceptance letter identifies a specific site, also list the specific site to be debited).

***Section to be completed by the Mitigation Sponsor***

**Statement of Mitigation Liability Acceptance:** I, the undersigned, verify that I am authorized to approve mitigation transactions for the Mitigation Sponsor shown below, and I certify that the Sponsor agrees to accept full responsibility for providing the mitigation identified in this document (see the table above), associated with the USACE Permittee and Action ID number shown. I also verify that released credits (and/or advance credits for NCDMS), as approved by the Wilmington District, are currently available at the mitigation site identified above. Further, I understand that if the Sponsor fails to provide the required compensatory mitigation, the USACE Wilmington District Engineer may pursue measures against the Sponsor to ensure compliance associated with the mitigation requirements.

**Mitigation Sponsor Name:** NCDMS

**Name of Sponsor's Authorized Representative:** Beth Harmon

*Beth Harmon*

Signature of Sponsor's Authorized Representative

04/22/2025

Date of Signature

## USACE Wilmington District – MRTF Page 2

### Conditions for Transfer of Compensatory Mitigation Credit:

- Once this document has been signed by the Mitigation Sponsor and the District is in receipt of the signed form, the Permittee is no longer responsible for providing the mitigation identified in this form, though the Permittee remains responsible for any other mitigation requirements stated in the permit conditions.
- Construction within jurisdictional areas authorized by the permit identified on page one of this form can begin only after the District is in receipt of a copy of this document signed by the Sponsor, confirming that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein. When NCDMS provides mitigation for authorized impacts conducted by the North Carolina Department of Transportation (NCDOT), construction within jurisdictional areas may proceed upon permit issuance; however, a copy of this form signed by NCDMS must be provided to the District within 30 days of permit issuance. NCDOT remains fully responsible for the mitigation until the District has received this form, confirming that the Sponsor has accepted responsibility for providing the mitigation requirements listed herein.
- Signed copies of this document must be retained by the Permittee, Mitigation Sponsor, and in the USACE administrative records for both the permit and the Bank/ILF Instrument. It is the Permittee's responsibility to ensure that the District Project Manager (address below) is provided with a signed copy of this form.
- If changes are proposed to the type, amount, or location of mitigation after this form has been signed and returned to the District, the Sponsor must obtain case-by-case approval from the District Project Manager and/or North Carolina Interagency Review Team (NCIRT). If approved, higher mitigation ratios may be applied, as per current District guidance and a new version of this form must be completed and included in the District administrative records for both the permit and the Bank/ILF Instrument.

### Comments/Additional Conditions:

This form is not valid unless signed below by the District Project Manager and by the Mitigation Sponsor on Page 1. ***Once signed, the Sponsor should provide copies of this form along with an updated bank ledger to: 1) the Permittee, 2) the District Project Manager at the address below, 3) the Bank Manager listed in RIBITS, and 4) the Wilmington District Mitigation Office, 3331 Heritage Trade Drive, Suite 105, Wake Forest, NC 27587 (or by email to [SAWMIT@usace.army.mil](mailto:SAWMIT@usace.army.mil)).***

Questions regarding this form or any of the permit conditions may be directed to the District Mitigation Office.

**USACE Project Manager:** Kyle Barnes  
**USACE Field Office:** WRDA  
US Army Corps of Engineers  
2407 West 5th Street  
Washington  
**Email:** [kyle.w.barnes@usace.army.mil](mailto:kyle.w.barnes@usace.army.mil)

  
\_\_\_\_\_  
Wilmington District Project Manager Signature

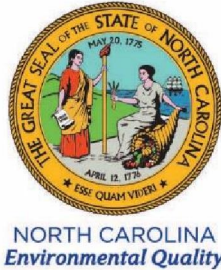
\_\_\_\_\_  
April 15, 2025

Current Wilmington District mitigation guidance, including information on mitigation ratios, functional assessments, and mitigation bank location and availability, and credit classifications (including stream temperature and wetland groupings) is available at <http://ribits.usace.army.mil>.

**JOSH STEIN**  
Governor

**D. REID WILSON**  
Secretary

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



April 7, 2025

Mr. Jason Dilday  
Environmental Coordination and Permitting Group  
Environmental Analysis Unit  
North Carolina Department of Transportation  
1598 Mail Service Center  
Raleigh, North Carolina, 27699-1598

Subject: 401 Water Quality Certification Pursuant to Section 401 of the Federal Clean Water Act with  
ADDITIONAL CONDITIONS for the Proposed Replacement of Bridge No. 24 over the Cashie River on  
NC 11 in Bertie County, TIP BR-0153.  
NCDWR Project No. 20250044

Dear Mr. Dilday:

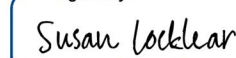
Attached hereto is a copy of Certification No. WQC007511 issued to The North Carolina Department of  
Transportation (NCDOT) dated April 7, 2025.

This approval is for the purpose and design described in your application. The plans and specifications for this  
project are incorporated by reference as part of this Water Quality Certification. If you change your project, you  
must notify the Division and you may be required to submit a new application package with the appropriate fee. If  
the property is sold, the new owner must be given a copy of this Certification and is responsible for complying with  
all conditions. [15A NCAC 02H .0507(d)(2)]. This 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.

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

Sincerely,

Signed by:

Handwritten signature of Susan Locklear in blue ink.

375CAE2BB9F540C...

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

cc: Kyle Barnes, USACE, Washington Regulatory Field Office  
Beth Harmon, NC Division of Mitigation Services  
Garcy Ward, NC Division of Water Resources, Washington Regional Office  
File Copy



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

**THIS CERTIFICATION** is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Resources (NCDWR) Regulations in 15 NCAC 2H .0500. This certification authorizes the NCDOT to impact 405 linear feet of jurisdictional streams and 0.228 acres of wetlands in Bertie County. The project shall be constructed pursuant to the application dated received January 14, 2025 and revised plans received March 26, 2025. The authorized impacts are as described below:

**Weland Impacts in the Roanoke River Basin**

Site	Fill Permanent (ac)	Fill Temporary (ac)	Excavation (ac)	Mechanized Clearing (ac)	Total (ac)
1	0.031	0.028	0.034	0.135	0.228

**Stream Impacts in the Roanoke River Basin**

Site	Stream Permanent (lf)	Stream Temporary (lf)	Total
2 – bank stabilization	129	0	129
2 – roadside drainage	244	32	276
Total	373	32	405

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

This approval is only valid for the purpose and design that you submitted in your application dated received January 14, 2025 and revised plans received March 26, 2025. Should your project change, you are required to notify the NCDWR and submit a new application. If the property is sold, the new owner must be given a copy of this Certification and approval letter, and is thereby responsible for complying with all the conditions. If any additional wetland impacts, or stream impacts, for this project (now or in the future) equal or exceed one-tenth of one acre or 300 linear feet of perennial stream, respectively, additional compensatory mitigation may be required as described in 15A NCAC 2H .0506 (c). For this approval to remain valid, you are required to comply with all the conditions listed below. In addition, you should obtain all other federal, state or local permits before proceeding with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations. This Certification shall expire on the same day as the expiration date of the corresponding Corps of Engineers Permit.

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





**Condition(s) of Certification:**

1. 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.
2. This certification corresponds to the Nationwide 14 Permit when issued by the Corps of Engineers.
3. Compensatory mitigation for impacts to 0.2 acres of riparian wetlands is required. We understand that you have chosen to perform compensatory mitigation for impacts to wetlands through the North Carolina Division of Mitigation Services (DMS), and that the DMS has agreed to implement the mitigation for the project. DMS has indicated in a letter dated March 25, 2025 that they will assume responsibility for satisfying the federal Clean Water Act compensatory mitigation requirements for the above-referenced project, in accordance with DMS's Mitigation Banking Instrument signed July 28, 2010. [15A NCAC 02H .0506(c)]
4. 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)]
5. The outside buffer, wetland or water boundary located within the construction corridor approved by this authorization shall be clearly marked by highly visible fencing prior to any land disturbing activities. Impacts to areas within the fencing are prohibited unless otherwise authorized by this certification. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
6. During the construction of the project, no staging of equipment of any kind is permitted in waters of the U.S. or protected riparian buffers. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
7. 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)]
8. 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)]
9. 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)(1)]
10. 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)]
11. As a condition of this 401 Water Quality Certification, the bridge demolition and construction must be accomplished in strict compliance with the most recent version of NCDOT's Best Management Practices for Construction and Maintenance Activities. [15A NCAC 02H .0507(c) and 15A NCAC 02H .0506(b)(2)]
12. 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.) where possible 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.0506(b); 15A NCAC 02H .0507(c)]
13. All bridge construction shall be performed from the existing bridge, temporary work bridges, temporary causeways, or floating or sunken barges. If work conditions require barges, they shall be floated into position and then sunk. The barges shall not be sunk and then dragged into position. Under no



circumstances should barges be dragged along the bottom of the surface water. [15A NCAC 02H .0506(b)(2)]

14. Bridge piles and bents shall be constructed using driven piles (hammer or vibratory) or drilled shaft construction methods. More specifically, jetting or other methods of pile driving are prohibited without prior written approval from the NCDWR first. [15A NCAC 02H.0506(b)(2)]
15. 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]
16. 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 15A NCAC 02H .0507(c)]
  - a. 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*.
  - b. 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.
  - c. 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.
  - d. If the project occurs in waters or watersheds classified as Primary Nursery Areas (PNAs), SA, WS-1, WS-11, High Quality Waters (HQW), or Outstanding Resource Waters (ORW), then the sedimentation and erosion control designs shall comply with the requirements set forth in 15A NCAC 04B .0124, *Design Standards in Sensitive Watershed*. [15A NCAC 02H.0506(b)(3) and (c)(3); GC 4135]
17. Sediment and erosion control measures shall not be placed in wetlands or surface waters or within 5 feet of the top of bank without prior approval from DWR. [15A NCAC 02H.0506(b); 15A NCAC 02H .0507(c)]
18. Erosion control matting in riparian areas shall not contain a plastic or nylon mesh grid which can impinge and entrap small animals. Matting should be secured in place by staples, stakes, or wherever possible live stakes of native trees. Riparian areas are defined as a distance 25 feet from top of stream bank. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
19. If placement of sediment and erosion control devices in wetlands and waters is unavoidable, then design and placement of temporary erosion control measures shall not be conducted in a manner that may result in dis-equilibrium of wetlands, stream beds, or banks, adjacent to or upstream and downstream of the above structures. All sediment and erosion control devices shall be removed from wetlands and waters and the natural grade restored within two (2) months of the date that the Division of Energy, Mining and Land Resources (DEMLR) or locally delegated program has released the specific area within the project. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c); 15A NCAC02B .0200; 15A NCAC 02B .0231]
20. Any rip-rap required for proper culvert placement, stream stabilization, or restoration of temporarily disturbed areas shall be restricted to the area directly impacted by the approved construction activity. All rip-rap shall be placed such that the original streambed elevation and streambank contours are restored and maintained and shall consist of clean rock or masonry material free of debris or toxic pollutants. Placement of rip-rap or other approved materials shall not result in de-stabilization of the stream bed or banks





upstream or downstream of the area or be installed in a manner that precludes aquatic life passage. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]

21. 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)]
22. NCDOT shall be in compliance with the NCS00250 issued to the NCDOT, including the applicable requirements of the NCG01000.
23. Native riparian vegetation 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)]
24. Discharging hydroseed mixtures and washing out hydroseeders and other equipment in or adjacent to surface waters is prohibited. [15A NCAC 02H.0506(b)(2)]
25. 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 02H .0506(b); 15A NCAC 02H .0507(c)]
26. The Permittee shall report any violations of this certification to the Division of Water Resources within 24 hours of discovery. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
27. The NCDOT will conduct a pre-construction meeting with all appropriate staff to ensure that the project supervisor and essential staff understand the permit conditions and any potential issues at the permitted site. NCDWR staff shall be invited to the pre-construction meeting. [15A NCAC 02H .0506(b); 15A NCAC 02H .0507(c)]
28. Upon completion of the project (including any impacts at associated borrow or waste sites), the NCDOT Division Engineer shall complete the "Certification of Completion Form" to notify the NCDWR when all work included in the 401 Certification has been completed. [15A NCAC 02H.0507(c)]
29. 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)]

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

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





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

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

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

William F. Lane, General Counsel  
Department of Environmental Quality  
1601 Mail Service Center  
Raleigh, NC 27699-1601

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

This the 7<sup>th</sup> day of April, 2025

DIVISION OF WATER RESOURCES

Signed by:  
  
375CAE2BB9F540C...

Richard E. Rogers, Jr., Director

WQC No. 007511



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

09/28/24

See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

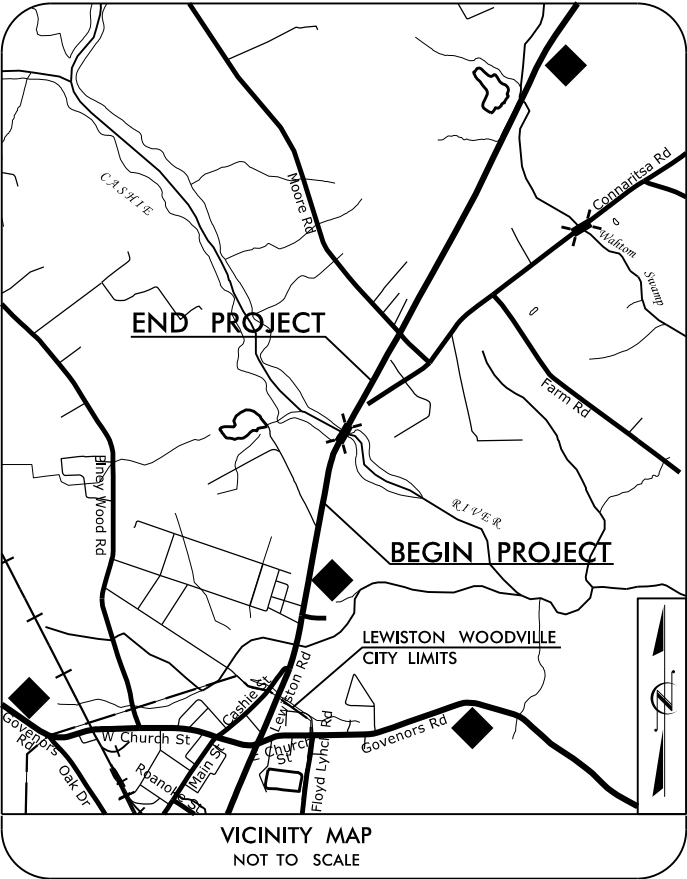
BERTIE COUNTY

LOCATION: BRIDGE 24 ON NC 11 OVER CASHIE RIVER  
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURES

WETLAND AND SURFACE WATER IMPACTS PERMIT

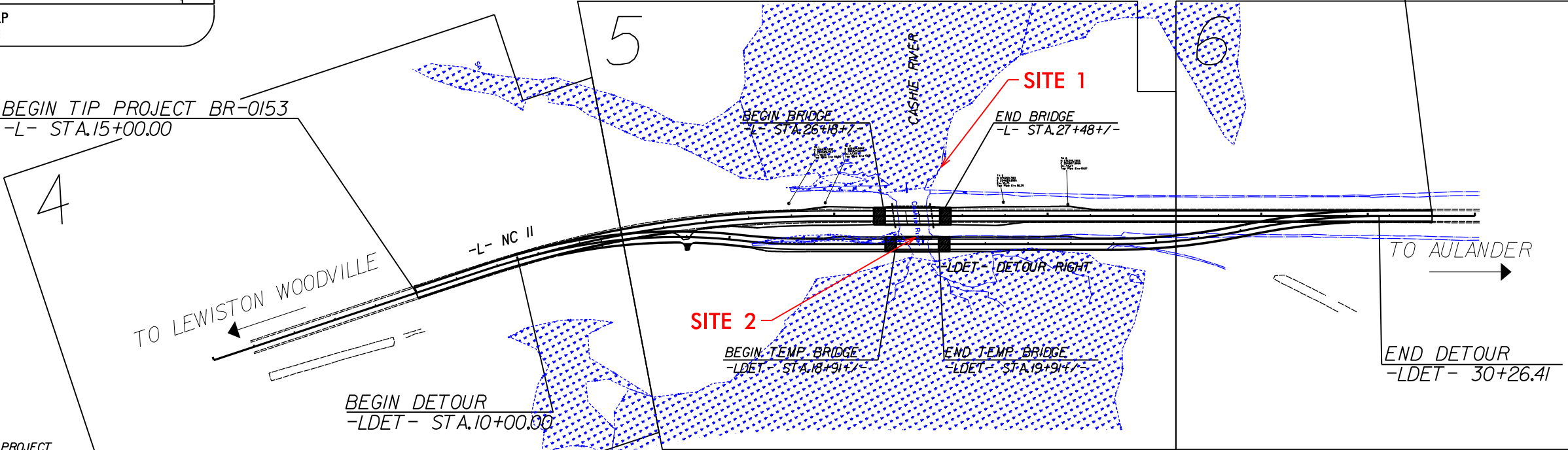
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0153	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
67153.1.1		PE	
67153.2.1		ROW/UTILITIES	
67153.3.1		CONSTRUCTION	

PERMIT DRAWING  
SHEET 1 OF 16



BEGIN TIP PROJECT BR-0153  
-L- STA.15+00.00

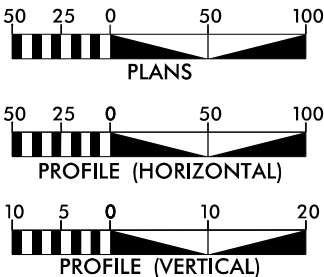
END TIP PROJECT BR-0153  
-L- STA.39+00.00



THIS IS A PARTIAL CONTROLLED ACCESS PROJECT  
WITH ACCESS BEING LIMITED TO POINTS AS SHOWN  
ON THE PLANS.  
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED  
TO THE LIMITS ESTABLISHED BY METHOD II.

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

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 6,350  
ADT 2045 = 6,900  
K = 8 %  
D = 55 %  
T = 16 % \*  
V = 60 MPH  
\* TTST = 12 DUAL = 4  
FUNC CLASS =  
MINOR ARTERIAL  
STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT BR-0153 = 0.430 MI  
LENGTH STRUCTURE TIP PROJECT BR-0153 = 0.025 MI  
TOTAL LENGTH TIP PROJECT BR-0153 = 0.455 MI



Prepared In the Office of:  
NC FIRM LICENSE No: F-1320  
8000 REGENCY PARKWAY, STE 175  
CARY, NC 27518  
(984) 275-2490

RIGHT OF WAY DATE:  
OCTOBER 2024

LETTING DATE:  
APRIL 2025

LAURA C. FISHER, PE  
PROJECT ENGINEER

ERIC D. SPALDING, PE  
PROJECT DESIGN ENGINEER

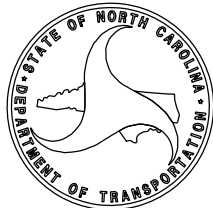
DAVID S. STUTTS, PE  
NCDOT CONTACT

HYDRAULICS ENGINEER

SIGNATURE: P.E.

ROADWAY DESIGN  
ENGINEER

SIGNATURE: P.E.




3/24/2025  
tit:BR-0153\_hyd-prm\_tsh.dgn  
USER:jsaddler

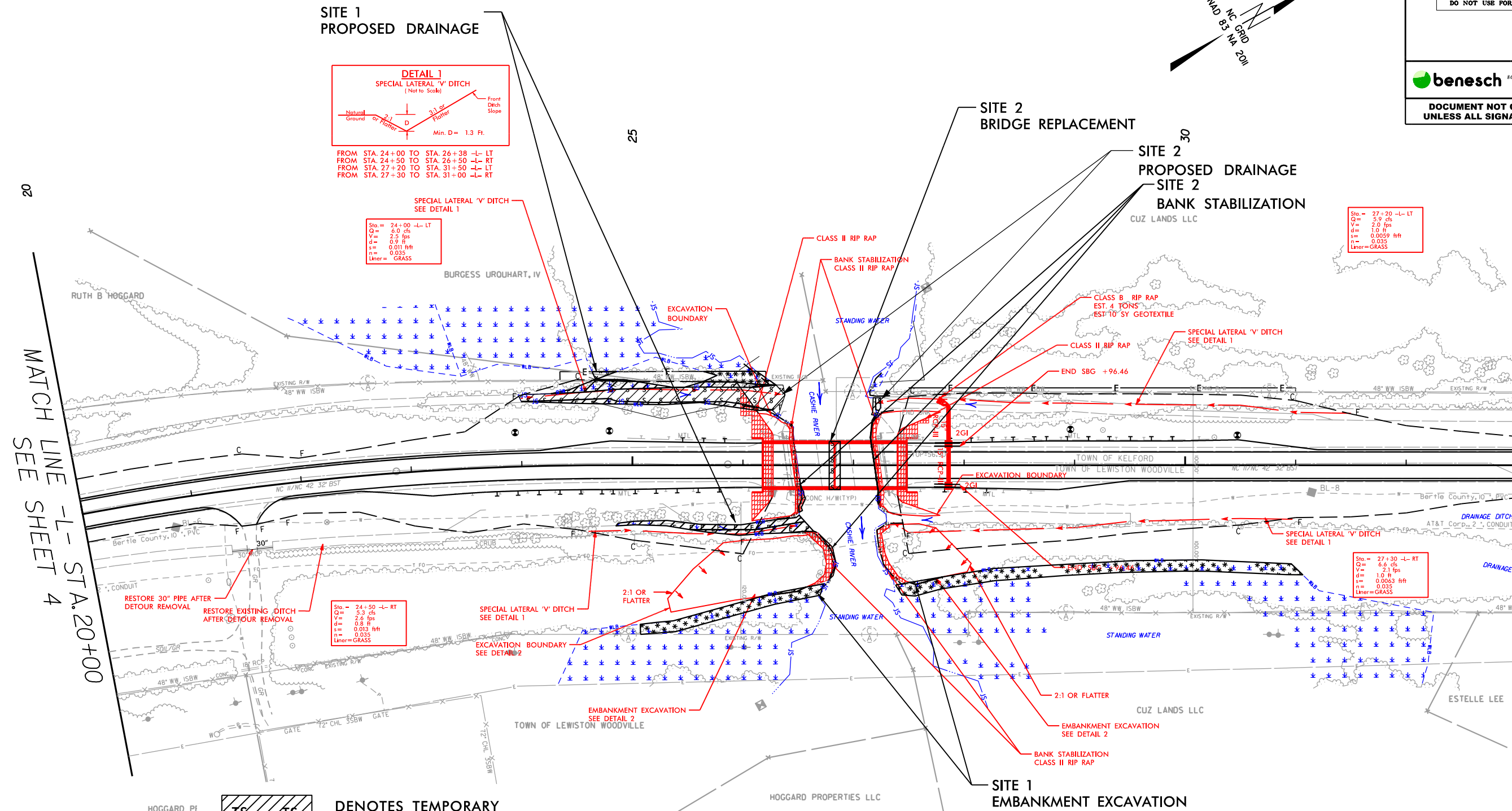
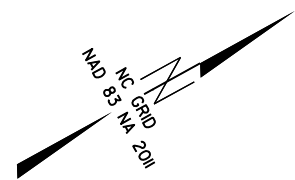
TIP PROJECT: BR-0153

CONTRACT:

5/14/99 3/24/2025 BR-0153\_Hyd.prm.PSH5.dgn USER: isaddler




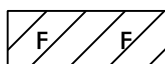
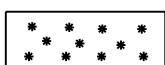
PERMIT DRAWING  
SHEET 2 OF 16

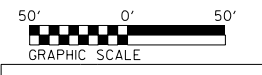
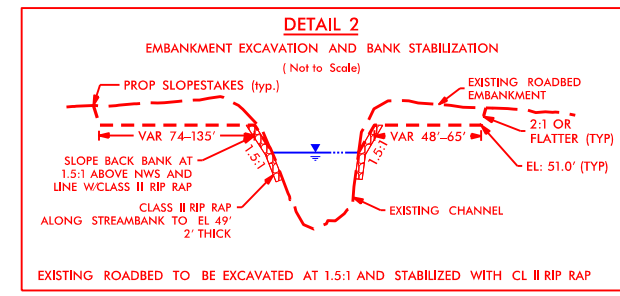
PROJECT REFERENCE NO. <b>BR-0153</b>		SHEET NO. <b>5</b>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION			
 <small>NC FIRM LICENSE No. F-1329 8000 REGENCY PARKWAY, STE 175 CARY, NC 27518 (919) 275-2400</small>			
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



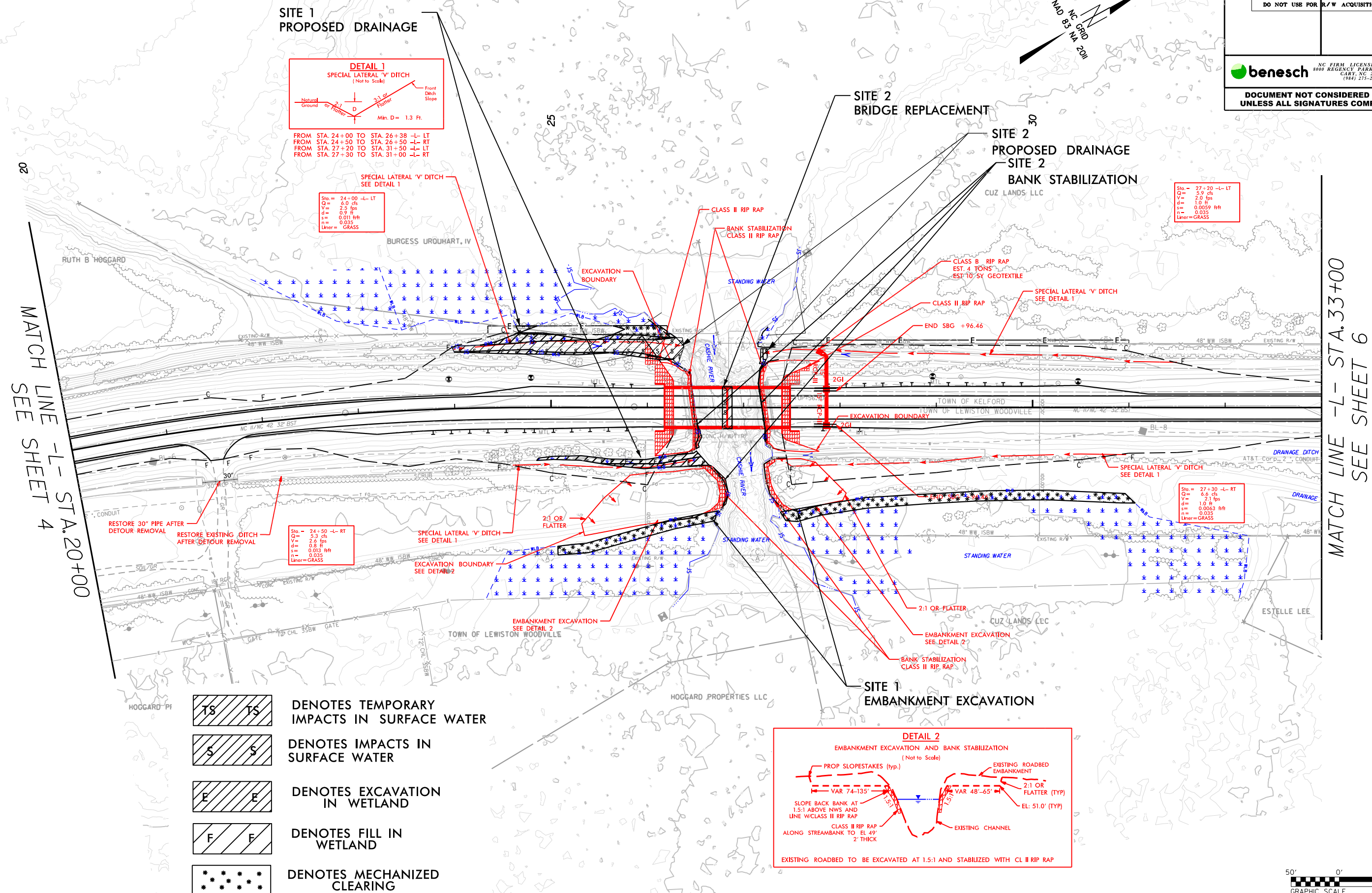
MATCH LINE -L- STA. 20+00  
SEE SHEET 4

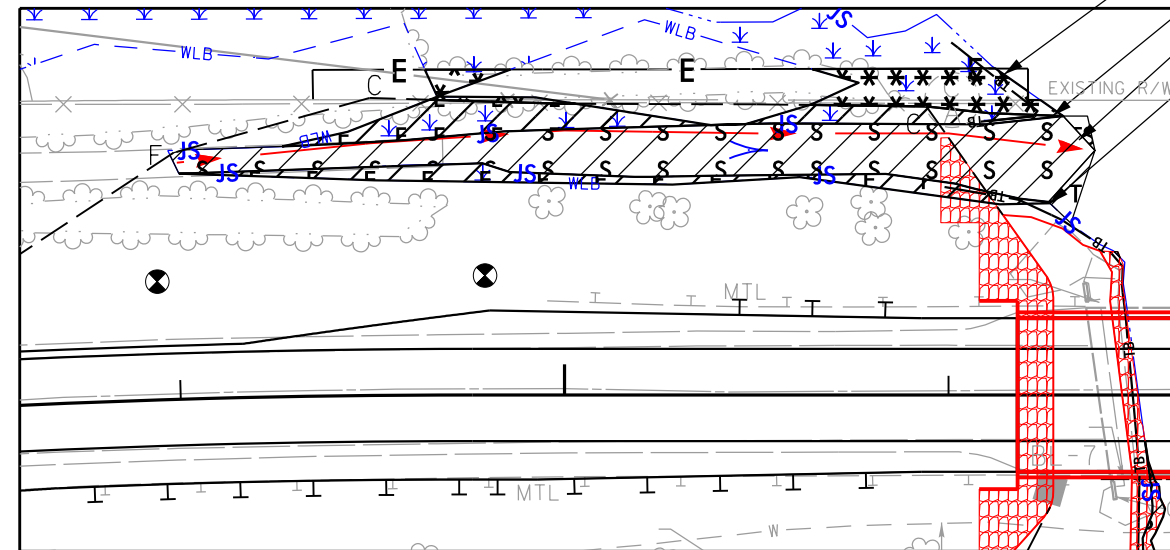
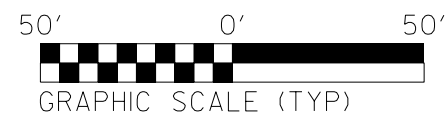
MATCH LINE -L- STA. 33+00  
SEE SHEET 6

-  DENOTES TEMPORARY IMPACTS IN SURFACE WATER
-  DENOTES IMPACTS IN SURFACE WATER
-  DENOTES EXCAVATION IN WETLAND
-  DENOTES FILL IN WETLAND
-  DENOTES MECHANIZED CLEARING

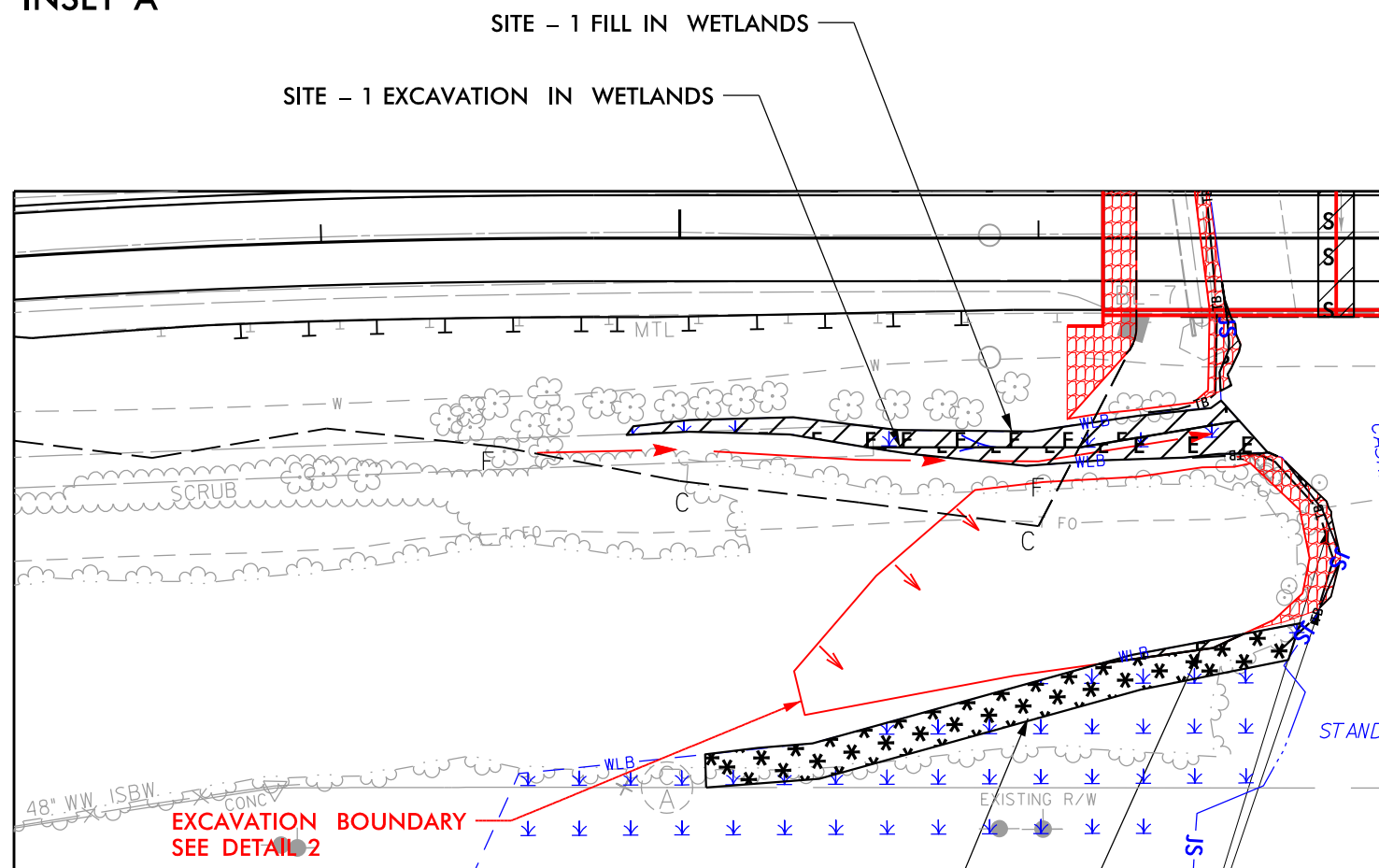




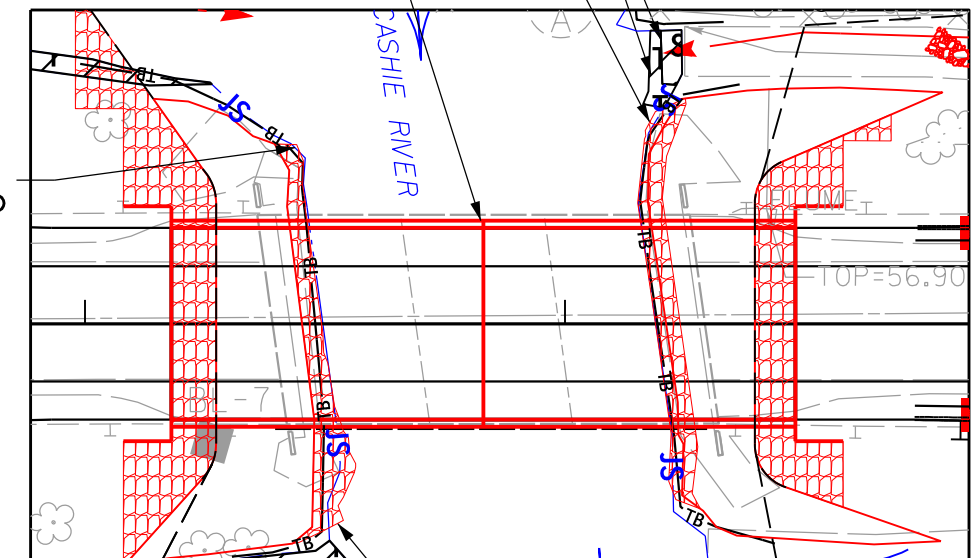




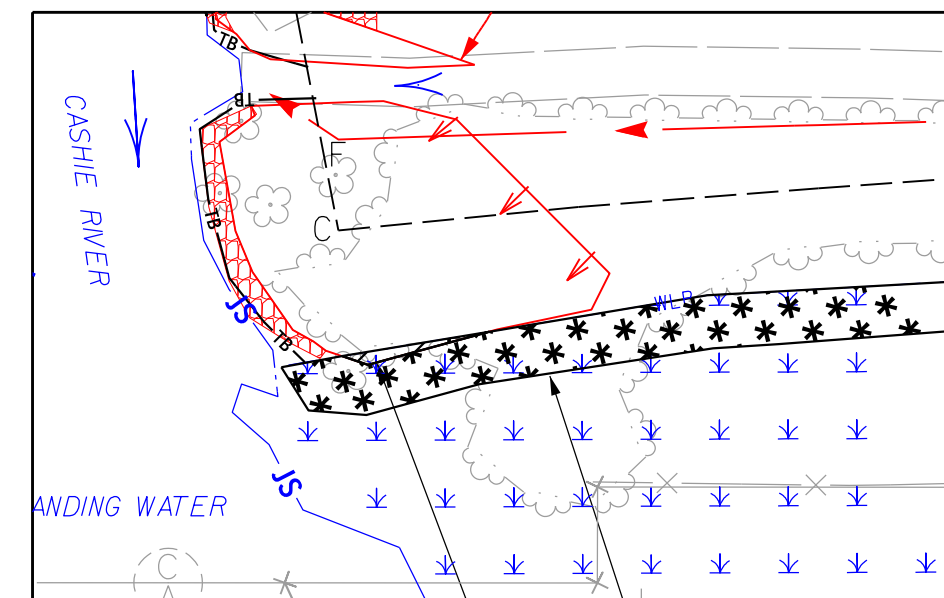
### INSET A



**INSET B**



### INSET C




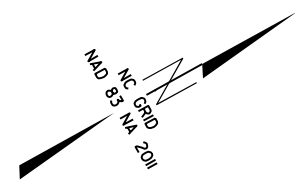
**INSET D**

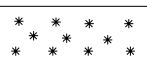



5/14/99  
3/24/2025  
3/24/2025 Hyd.pr.m.-PSH2B-1.dgn  
USER: btschiller

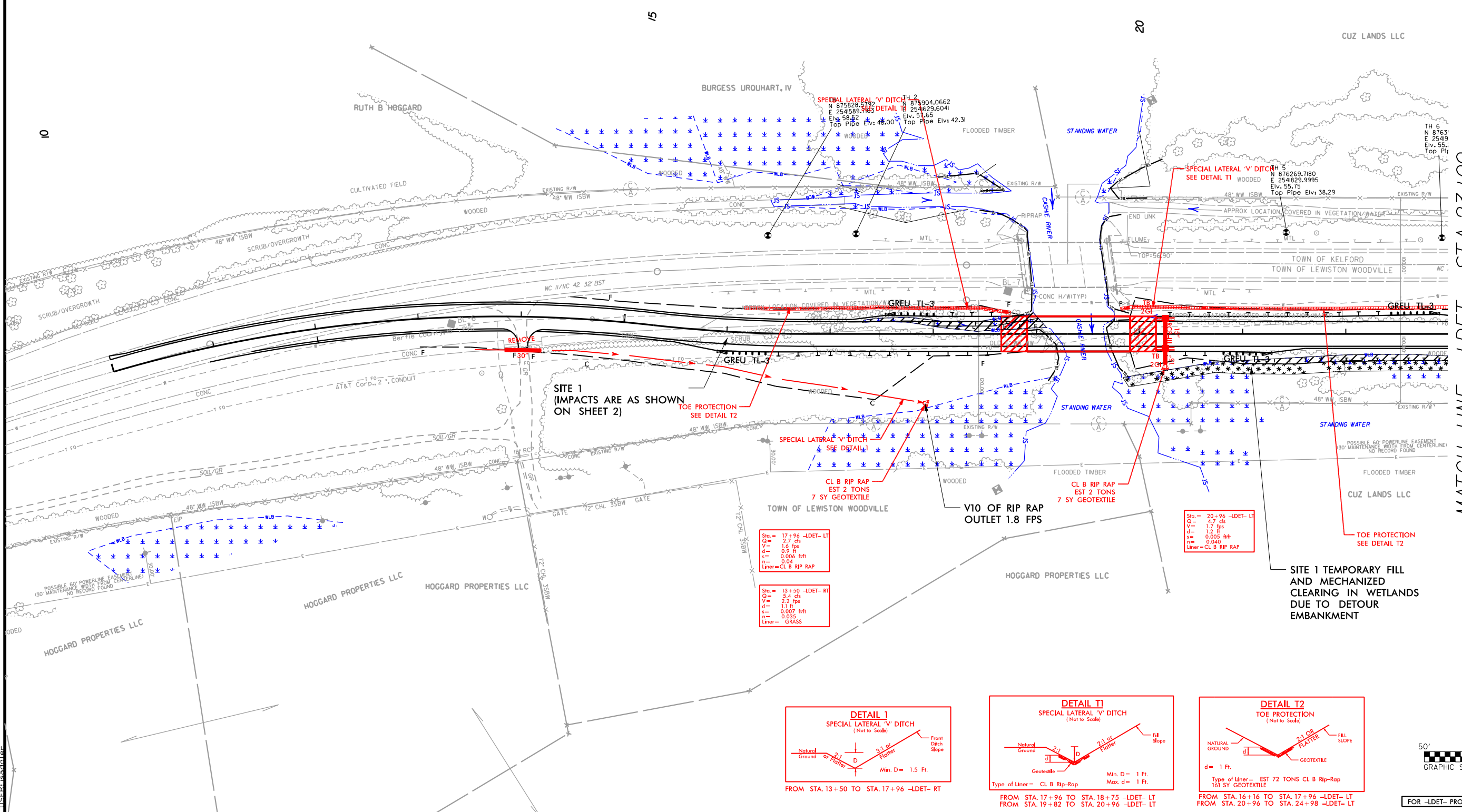
PERMIT DRAWING  
SHEET 5 OF 16

PROJECT REFERENCE NO. <b>BR-0153</b>		SHEET NO. <b>2B-1</b>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION			
 <small>NC FIRM LICENSE No: F-1329 8000 REGENCY PARKWAY, STE 175 CARY, NC 27518 (919) 275-2400</small>			
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED			

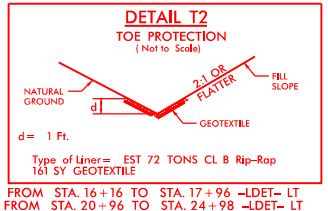
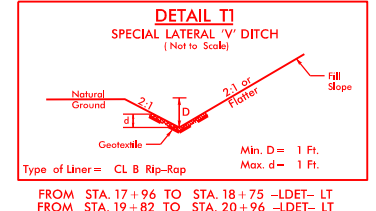
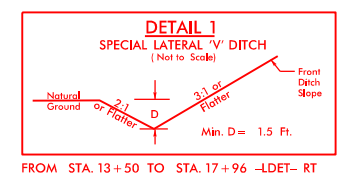


 DENOTES MECHANIZED  
CLEARING

 DENOTES TEMPORARY  
FILL IN WETLAND




MATCH LINE -LDET- STA. 23+00  
SEE SHEET 2B-2

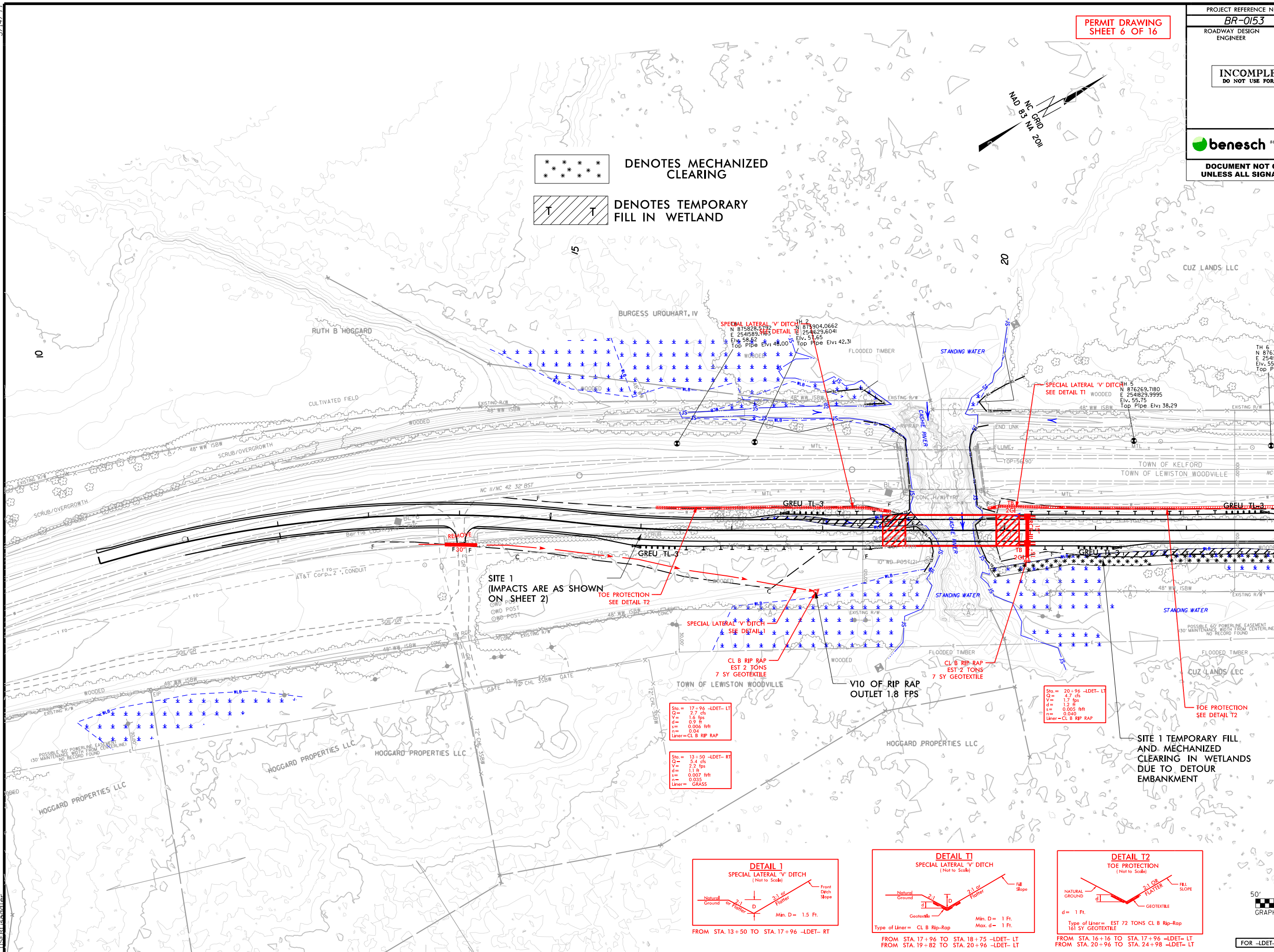


FOR -LDET- PROFILE, SEE SHEET NO. 8

5/14/99  
3/24/2025  
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d:\prj\PSH2B-1\Con.dgn  
10:56:01  
10:56:01

PERMIT DRAWING  
SHEET 6 OF 16

PROJECT REFERENCE NO. <b>BR-0153</b>		SHEET NO. <b>2B-1</b>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION			
 NC FIRM LICENSE No. F-1320 8000 REGENCY PARKWAY, STE 175 CARY, NC 27518 (919) 275-2400			
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED			



\* \* \* \* \*  
DENOTES MECHANIZED  
CLEARING

T T  
DENOTES TEMPORARY  
FILL IN WETLAND

MATCH LINE -LDET- STA. 23+00  
SEE SHEET 2B-2

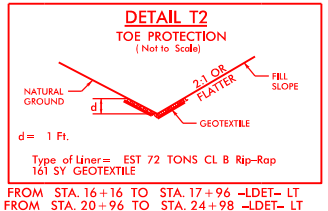
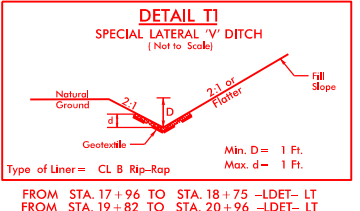
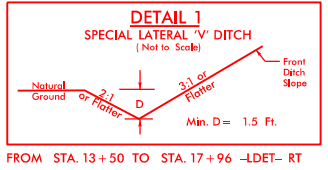
SITE 1  
(IMPACTS ARE AS SHOWN  
ON SHEET 2)

Sta. = 17+96 -LDET- LT  
Q = 2.4 cfs  
V = 1.6 fps  
d = 0.9 ft  
s = 0.005 f/ft  
n = 0.04  
Liner = CL B RIP RAP

Sta. = 13+50 -LDET- RT  
Q = 2.2 cfs  
V = 2.2 fps  
d = 1.1 ft  
s = 0.007 f/ft  
n = 0.035  
Liner = GRASS

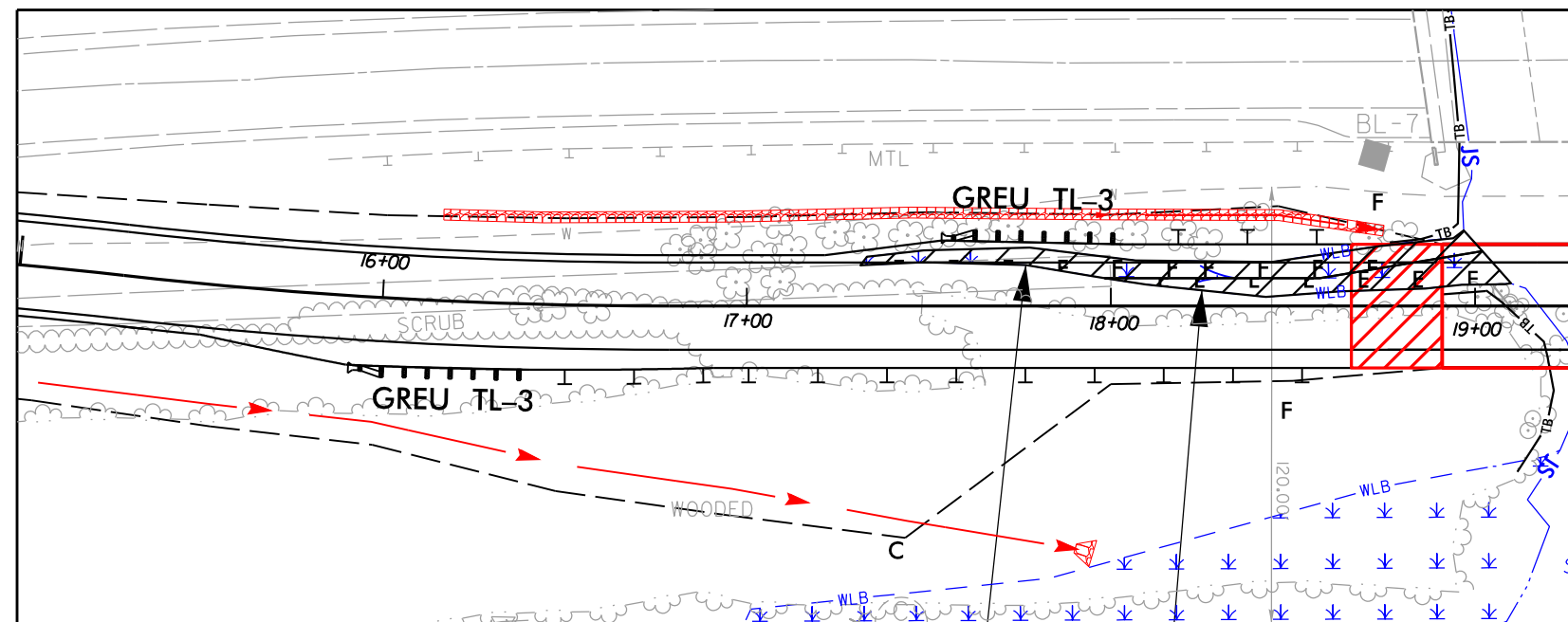
Sta. = 20+96 -LDET- LT  
Q = 4.7 cfs  
V = 1.7 fps  
d = 1.2 ft  
s = 0.005 f/ft  
n = 0.040  
Liner = CL B RIP RAP

SITE 1 TEMPORARY FILL  
AND MECHANIZED  
CLEARING IN WETLANDS  
DUE TO DETOUR  
EMBANKMENT



FOR -LDET- PROFILE, SEE SHEET NO. 8

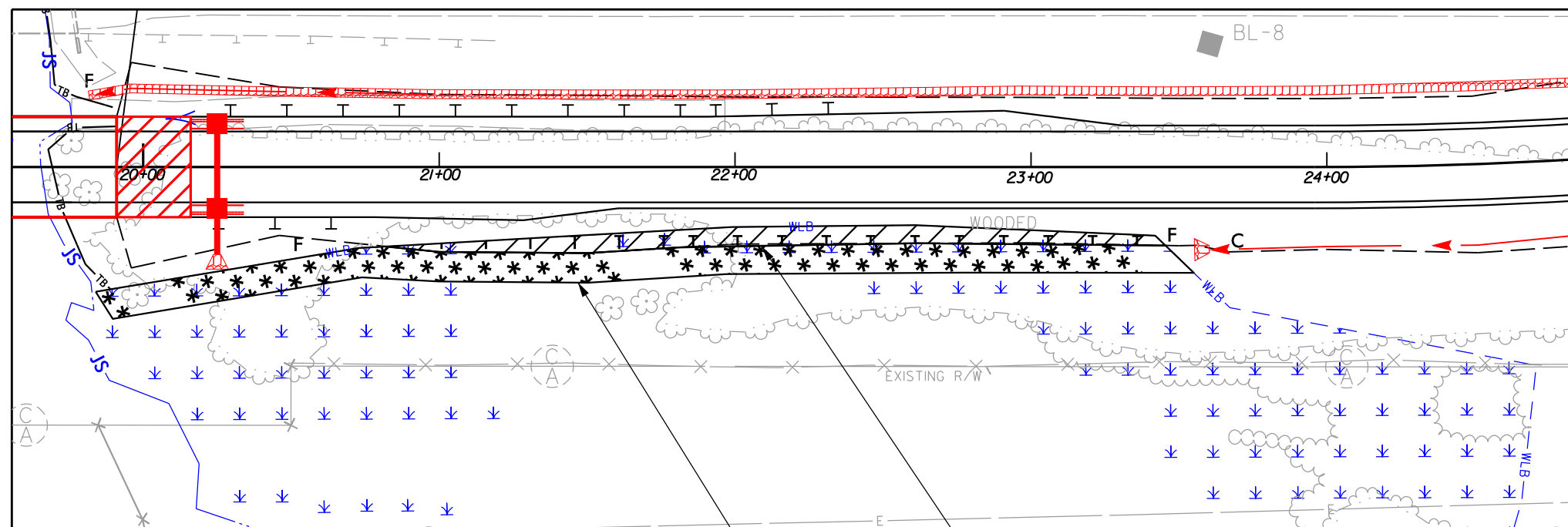




## INSET E

## SITE – 1 FILL IN WETLANDS

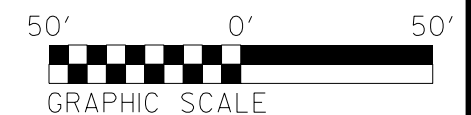
## SITE – 1 EXCAVATION IN WETLANDS



## INSET F

## SITE 1 – TEMPORARY FILL IN WETLANDS

## SITE 1 – MECHANIZED CLEARING IN WETLANDS

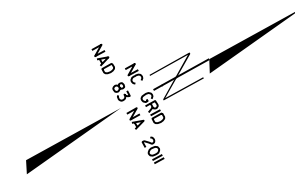




5/14/99

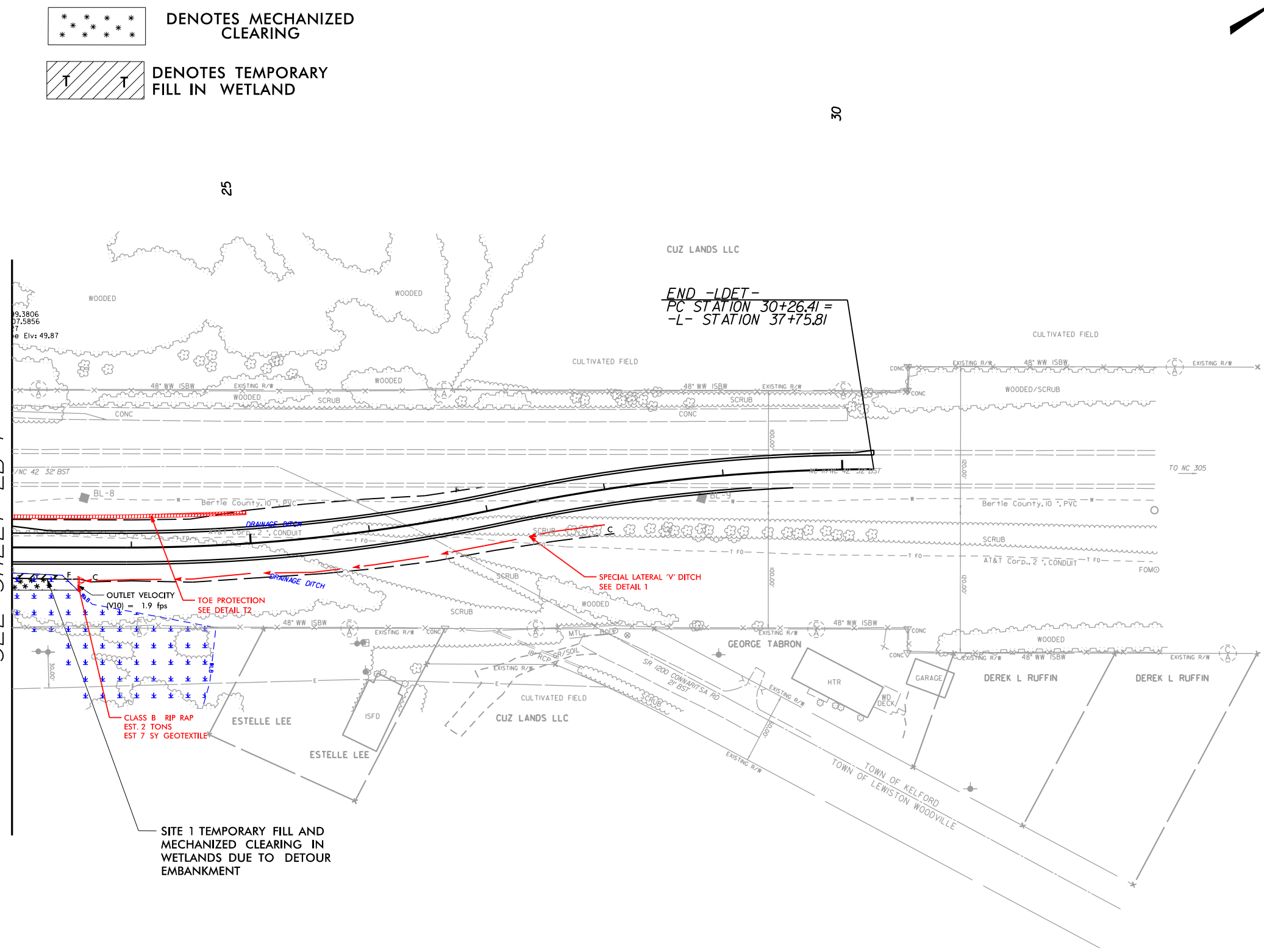
3/24/2025  
BR-0153\_Hyd.pr.m\_PSH2B-2.dgn  
JUSEB:issd

PERMIT DRAWING  
SHEET 8 OF 16

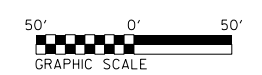
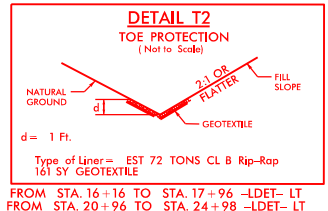
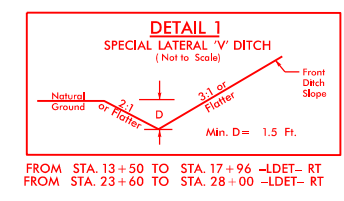


PROJECT REFERENCE NO. <b>BR-0153</b>	SHEET NO. <b>2B-2</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
benesch <small>NC FIRM LICENSE No: F-1329 8000 REGENCY PARKWAY, STE 175 CARY, NC 27518 (919) 275-2490</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

MATCH LINE -LDET- STA. 23+00  
SEE SHEET 2B-1



SITE 1 TEMPORARY FILL AND  
MECHANIZED CLEARING IN  
WETLANDS DUE TO DETOUR  
EMBANKMENT



FOR -LDET2- PROFILE, SEE SHEET NO. 8

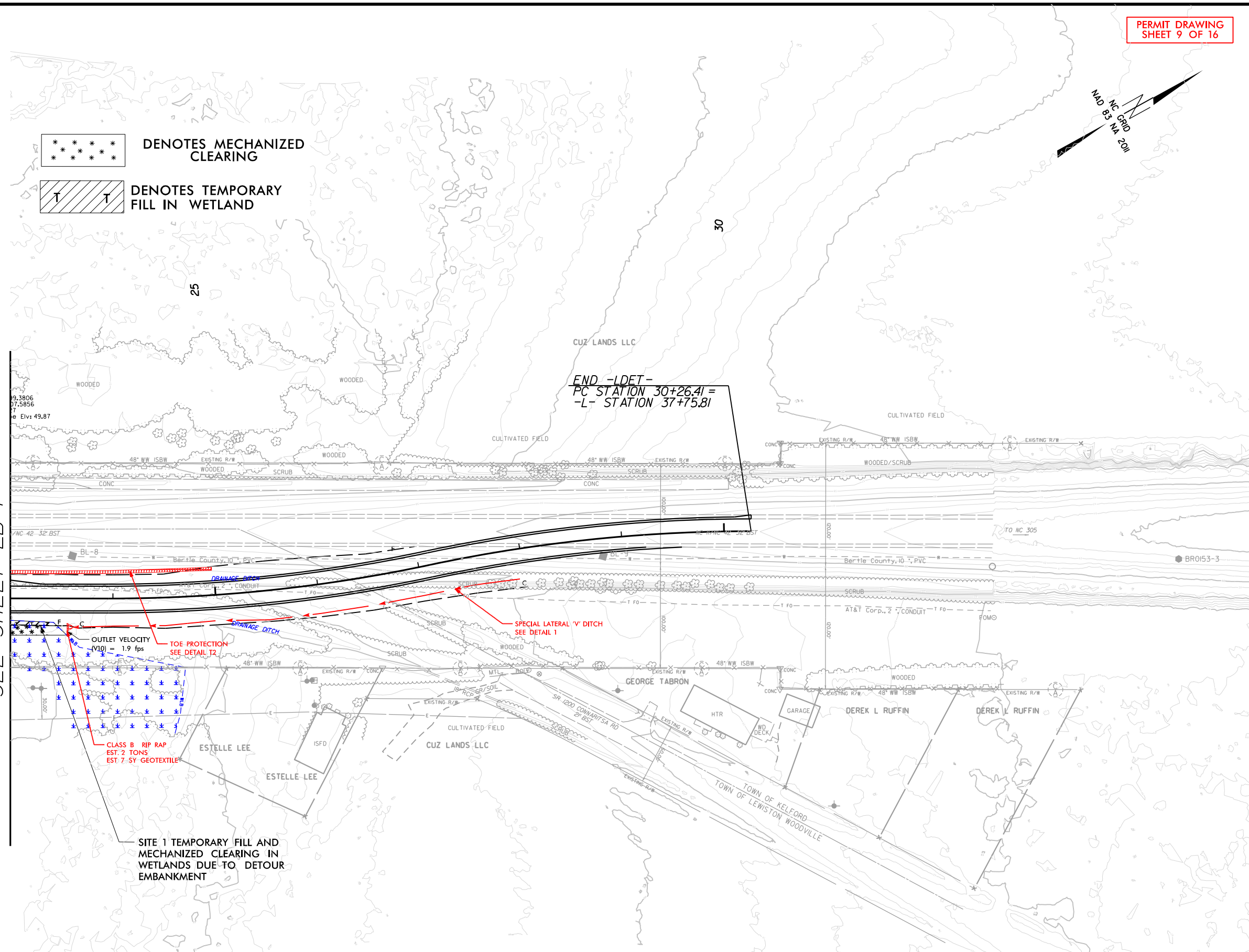
5/14/99

3/24/2025

\\B6-0153\\d.prj.PSH2B-2\_Con.dgn

TISEB:usd1

MATCH LINE -LDET- STA.23+00  
SEE SHEET 2B-1



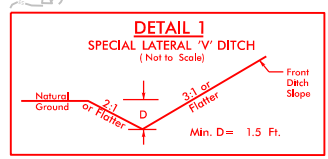
PERMIT DRAWING  
SHEET 9 OF 16

PROJECT REFERENCE NO. <b>BR-0153</b>	SHEET NO. <b>2B-2</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>INCOMPLETE PLANS</b> DO NOT USE FOR R/W ACQUISITION	
<b>benesch</b> <small>NC FIRM LICENSE No: F-1329 8000 REGENCY PARKWAY, STE 175 CARY, NC 27518 (919) 275-2490</small>	
<b>DOCUMENT NOT CONSIDERED FINAL</b> UNLESS ALL SIGNATURES COMPLETED	

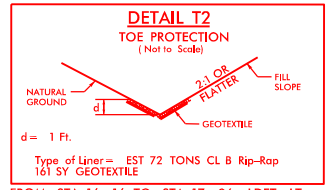
OUTLET VELOCITY  
(V10) = 1.9 fps

CLASS B RIP RAP  
EST. 2 TONS  
EST. 7 SY GEOTEXTILE

SITE 1 TEMPORARY FILL AND  
MECHANIZED CLEARING IN  
WETLANDS DUE TO DETOUR  
EMBANKMENT



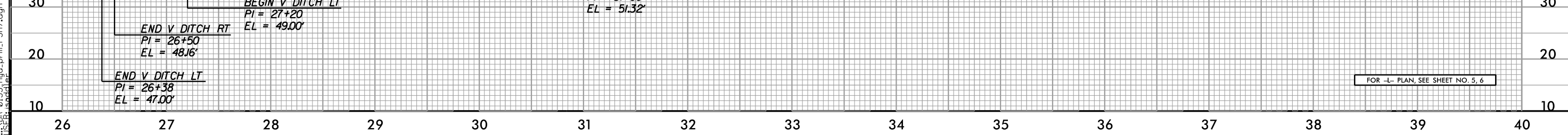
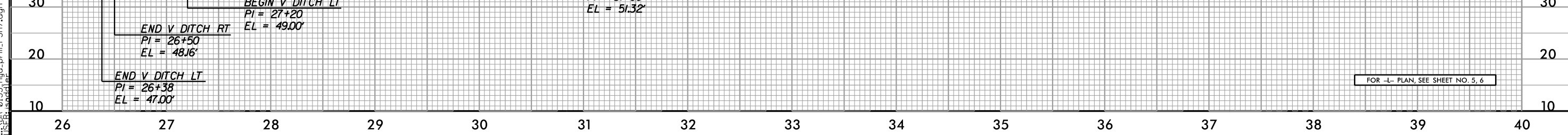
FROM STA. 13+50 TO STA. 17+96 -LDET- RT  
FROM STA. 23+60 TO STA. 28+00 -LDET- RT



FROM STA. 16+16 TO STA. 17+96 -LDET- LT  
FROM STA. 20+96 TO STA. 24+98 -LDET- LT



FOR -LDET2- PROFILE, SEE SHEET NO. 8

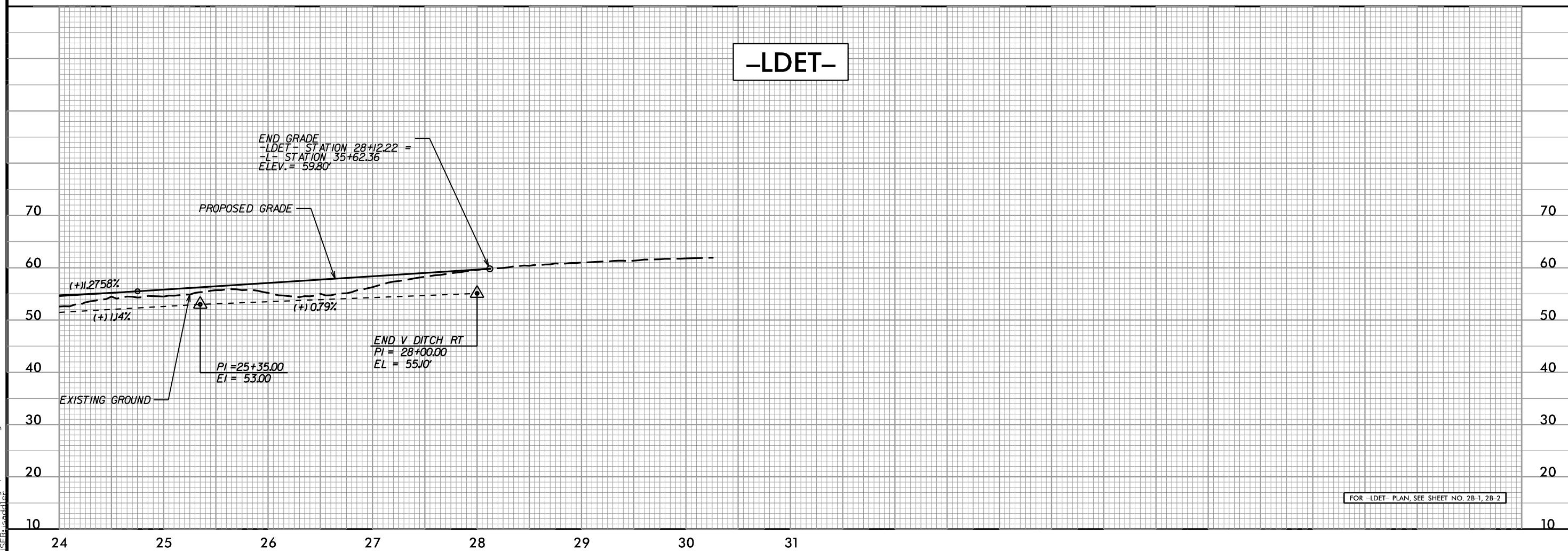
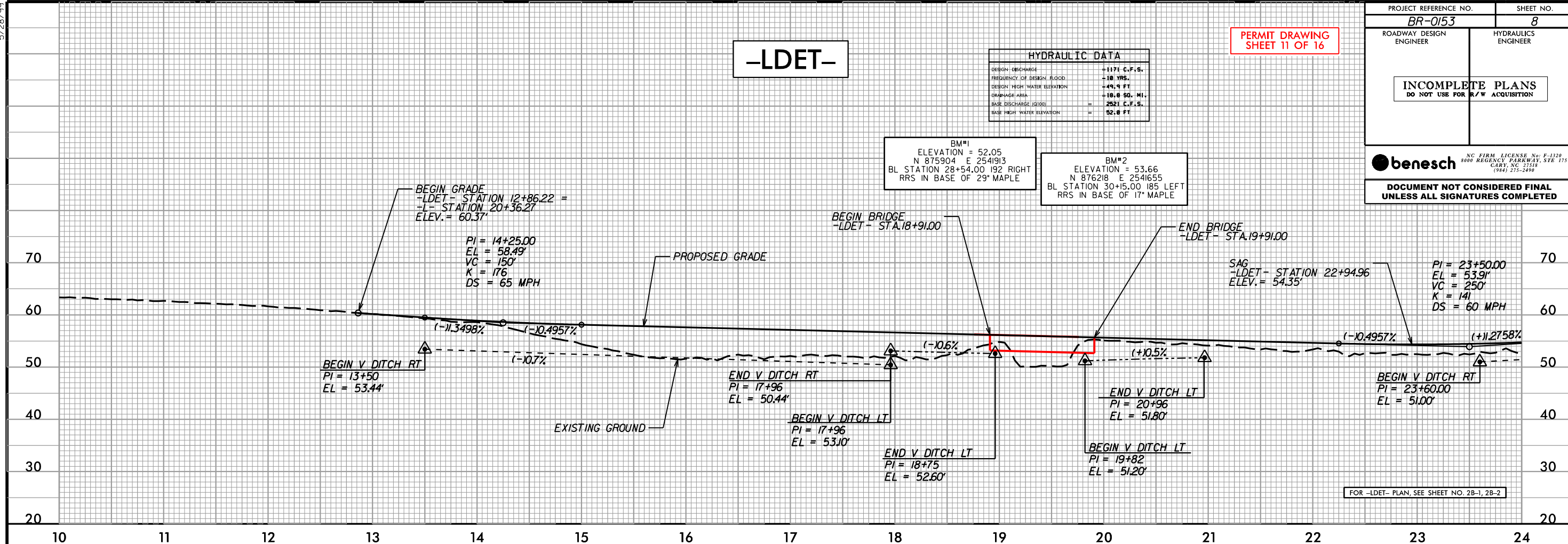




HYDRAULIC DATA		
DESIGN DISCHARGE		= 1171 C.F.S.
FREQUENCY OF DESIGN FLOOD		= 10 YRS.
DESIGN HIGH WATER ELEVATION		= 49.9 FT
DRAINAGE AREA		= 18.8 SQ. M.
BASE DISCHARGE (Q100)	=	2521 C.F.S.
BASE HIGH WATER ELEVATION	=	52.0 FT

BM#1  
ELEVATION = 52.05  
N 875904 E 2541913  
BL STATION 28+54.00 192 RIGHT  
RRS IN BASE OF 29" MAPLE

BM#2  
ELEVATION = 53.66  
N 876218 E 2541655  
BL STATION 30+15.00 185 LEF  
RRS IN BASE OF 17" MAPLE



6/23/16

PERMIT DRAWING  
SHEET 12 OF 16

WETLAND

WETLAND

WETLAND

23 + 50.00

23 + 00.00

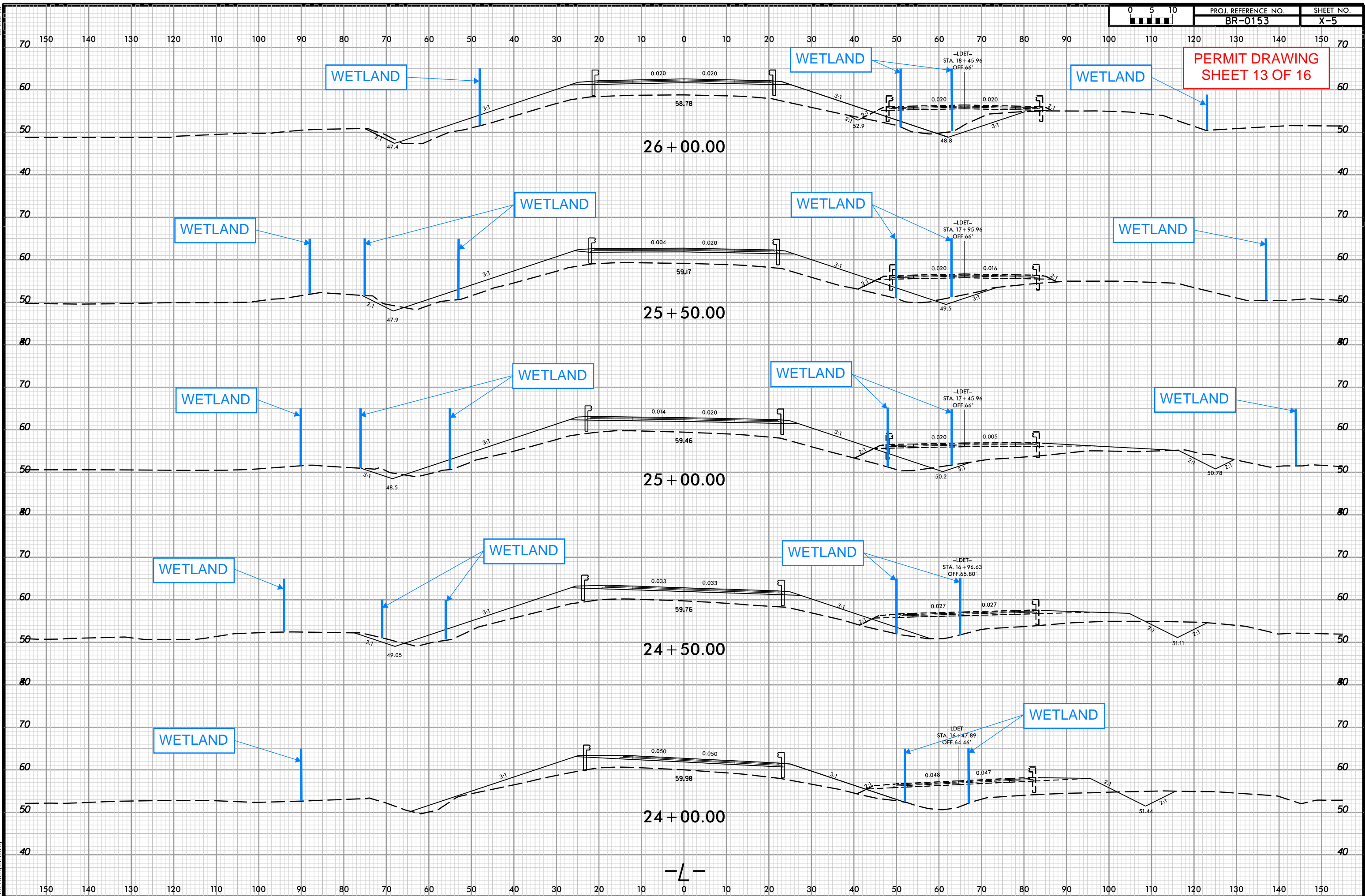
22 + 50.00

22 + 00.00

21 + 50.00

-L-

\$\$\$\$\$SYTIME\$\$\$\$\$  
BR-0153.dgn  
User: plding REV: dng







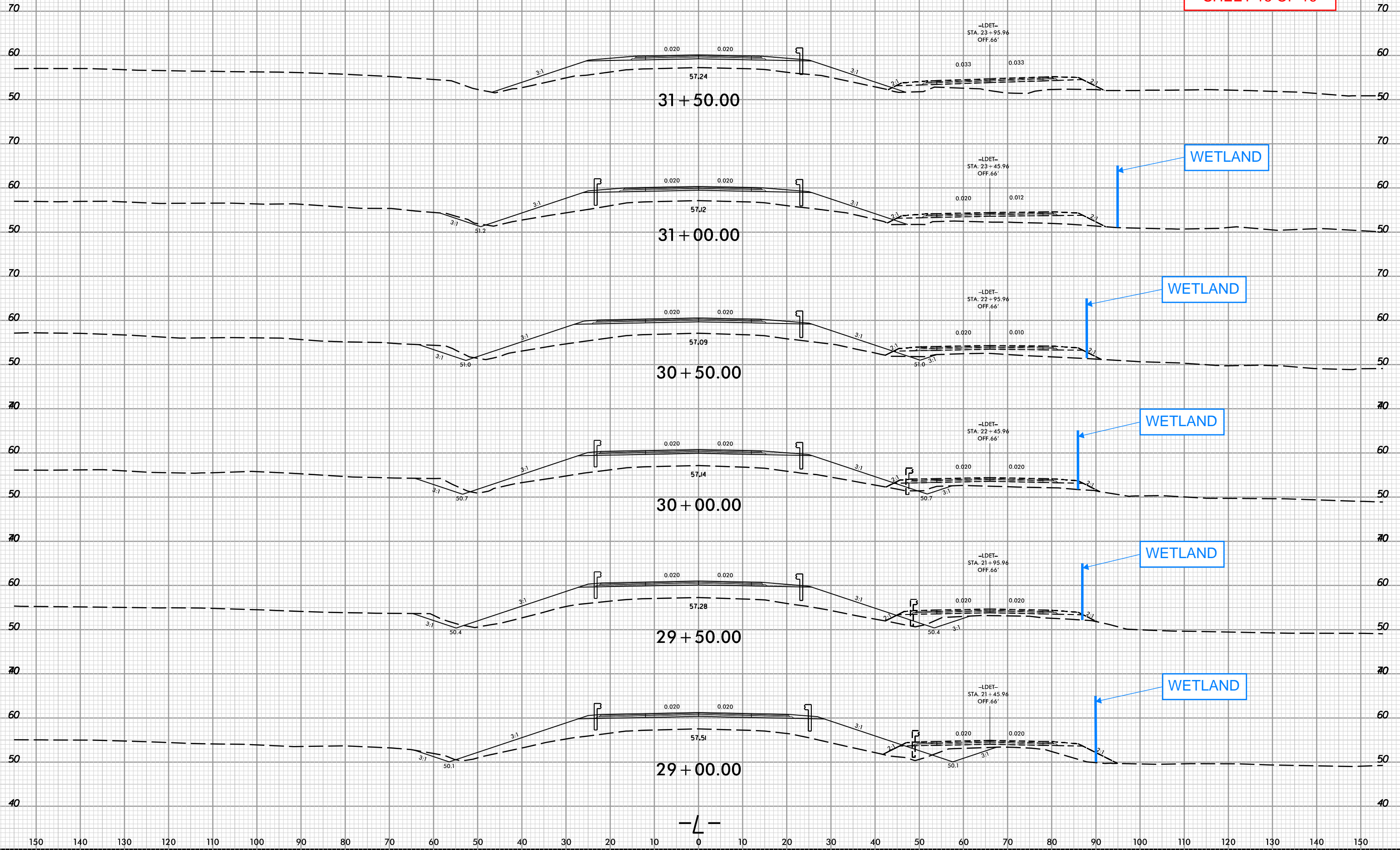
6/23/16



PROJ. REFERENCE NO.  
BR-0153

SHEET NO.  
X-7

PERMIT DRAWING  
SHEET 15 OF 16



\\BR-0153-REV.dgn  
User:spj  
6/23/16



WETLAND AND SURFACE WATER IMPACTS SUMMARY												
Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	23+04 to 26+63 -L-	Permanent Roadside Drainage in Wetlands	0.031		0.032	0.015						
1	15+57 to 23+42 -LDET-	Detour Bridge and Embankment in Wetlands		0.028	0.002	0.120						
2	26+45 to 27+38 -L-	BR-0153 bank stabilization***						0.012	0.017	129		
2	27+18 to 27+25 -L-	Permanent Roadside Drainage						0.063	0.004	244	32	
TOTALS*:			0.03	0.03	0.03	0.13	0.00	0.07	0.02	373	32	0

\*Rounded totals are sum of actual impacts

NOTES:

Site 1 Excavation in wetlands = 96.3 sf

\*\*\*Site 2 includes interior bent installation,Permanent SW impacts = 0.01 sq ft, 43 ft. impact is coincident with bank stabilization impacts

All Site 1 impacts are to wetlands

All site 2 impacts are to Surface Water (Cashie River)

NC DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

March 21, 2025

Bertie County

BR-0153

WBS # 67153.1.1

SHEET 16 OF 16

Revised 2018 Feb