



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

October 16, 2025

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: **Environmental Permits** for the Repairs to
US 74 A from the Buncombe/ Henderson Line to Cottage Hill Road
Henderson County, Division 14, WBS DF18314.1045039.

Please find enclosed the following permits for this project:

Agency	Permit Type	Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 3, Action ID: SAW-2025-01756 Dated October 10, 2025	March 14, 2026*
NC Division of Water Resources Section 401 Water Quality Certification	Individual Water Quality Certification, ID: 20251220 Dated September 26, 2025	expires with above Permit

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

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

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

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

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)



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

October 10, 2025

Regulatory Division
SAW-2025-01756

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 September 16, 2025, for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAW-2025-01756 and is known as the US 74A repair project. 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 US 74A and will result in the temporary impact to <0.01 acres of wetland, 152 lf of stream channel and the permanent impact to 90 lf of stream channel. The project begins along US 74A at the Buncombe/Henderson County line and extends 1.25 miles to terminate at the intersection of US 74A with Bearwallow Mountain Road in Gerton, Henderson County, North Carolina, at Latitude 35.48386 and Longitude -82.35314.

We have determined that the proposed work is authorized by NWP 3 pursuant to authorities under Section 404 of the Clean Water Act (33 U.S.C § 1344). The proposed work must be accomplished in strict accordance with the 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 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.

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 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 written in a cursive, flowing style.

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)														
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.														
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. 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.														
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. The certification can be submitted by email at crystal.c.amschler@usace.army.mil or by mail at the below address: U.S. Army Corps of Engineers Wilmington District Office Street Address: 151 Patton Ave Rm 208 City: Asheville State: NC Zip Code: 28801														
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-2025-01756</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 US 74A repair project</td> </tr> <tr> <td>Project Location (physical address):</td> <td style="border-bottom: 1px solid black; border-bottom: 3px double black;">Gerton, North Carolina</td> </tr> </table>			Corps Action Number:	SAW-2025-01756	Permit Type: <u>General Permit</u>		General Permit Number and Name (if applicable):		Name of Permittee:	Michael Turchy	Project Name:	the US 74A repair project	Project Location (physical address):	Gerton, North Carolina
Corps Action Number:	SAW-2025-01756													
Permit Type: <u>General Permit</u>														
General Permit Number and Name (if applicable):														
Name of Permittee:	Michael Turchy													
Project Name:	the US 74A repair project													
Project Location (physical address):	Gerton, North Carolina													
PERMITTEE'S CERTIFICATION														
Date Work Started: _____ Date Work Completed: _____ Enclose photographs showing the completed project (if available). 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.														
Name	Date	Signature												

401

Certification (NCDWR)

JOSH STEIN
Governor

D. REID WILSON
Secretary

RICHARD E. ROGERS, JR.
Director



September 26, 2025

DWR # 20251220
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
US 74A Helene Repairs, WBS# 18314.1045039

Location: 35.48386 / - 82.35314

Dear Mr. Turchy:

Attached hereto is a copy of Certification No. WQC008282 issued to Mr. Michael Turchy and The North Carolina Department of Transportation (NCDOT) dated September 26, 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:

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: 20251220_US 74A Helene Repairs WBS 18314.1045039_Approval_20250926.docx



NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

CERTIFICATION #WQC008282 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 September 16, 2025, with additional information received on September 22, 2025, and by Public Notice issued by the Division on September 16, 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)
S8	-	-	49	7	56	0
S9	-	-	48	28	76	0
Total	-	-	97	35	132	0

Total Stream Impact for Project: 132 linear feet

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

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

Project Specific Conditions

1. The NCDOT Division Environmental Officer or Environmental Assistant will conduct a pre-construction meeting with all appropriate staff to ensure that the project supervisor and essential staff understand the potential issues with stream and pipe alignment at the permitted



site. NCDWR staff shall be invited to the pre-construction meeting. [15A NCAC 02H.0506(b)(2) and (b)(3)]

2. The permittee shall use *Design Standards in Sensitive Watersheds* (15A NCAC 4B.0124[a]-[e]) in areas draining to trout (Tr) waters.
3. NCDOT shall be in compliance with the NCS00250 issued to the NCDOT, including the applicable requirements of the NCG01000. Please note the extra protections for the sensitive watersheds.

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 26th day of September 2025

Signed by:

Faith Hardin

3185423002EA45E...

Faith Hardin, Supervisor

401 & Buffer Transportation Permitting Branch



Permitted Drawings



North Carolina Department of Transportation
Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS



(Version 3.02; Released April 23, 2024)

WBS Element: TIP/Proj No: 18314.1045039 County(ies): Henderson Page 1 of 2

General Project Information

WBS Element:		TIP Number:	18314.1045039	Project Type:	Other	Date:	8/18/2025
NCDOT Contact:	Nathan Tanner, PE			Contractor / Designer:	Davin Morrison, PE		
	Address: NCDOT Highway Division 14 253 Webster Road Sylva, NC 28779				Address: HDR, Inc. 440 South Church Street, Suite 1200 Charlotte, NC 28202-2075		
	Phone: 828 331-5213				Phone: 980 337-5181		
	Email: ntanner@ncdot.gov				Email: davin.morrison@hdrinc.com		
City/Town:	Gerton & 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):	1.08	Surrounding Land Use:	Forested and Low Density Residential					
	Proposed Project		Existing Site					
Project Built-Up Area (ac.)	3.2	ac.	3.2	ac.				
Typical Cross Section Description:	Maintain existing two lane highway with 10' wide travel lanes, shoulders, and roadside ditches where Hurricane Helene storm damage to the roadway was minimal or did not occur. Where damage has occurred, roadway will be reconstructed to match existing width. Where slopes have failed reinforced slopes are proposed.		Pre-Hurricane Helene, US 74A was a two lane highway with 10' wide travel lanes with narrow shoulders and roadside ditches. Post-Hurricane Helene, the road was heavily damaged at several locations.					
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	3000	Year:	2040	Existing:	1500	Year:	2017

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

This SMP is for Work Package 2 from the Henderson and Buncombe County line to Bearwallow Mountain Road. A separate SMP will be submitted for Work Packages #3 and #4 from Bearwallow Mountain Road to Grant Mountain Road for Work Package #3 and from Grant Mountain Road to NC 9 for Work Package #4.

Impacts will be kept to a minimum by only replacing pipes that were damaged during Hurricane Helene and cleaning out pipes that were silted in during the hurricane.



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS

(Version 3.02; Released April 23, 2024)

WBS Element: TIP/Proj No.: 18314.1045039 County(ies): Henderson Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):	Hickory Creek	NCDWR Stream Index No.:	9-14
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C	
	Supplemental Classification:	Trout Waters (Tr)	
Other Stream Classification:			
Impairments:			
Aquatic T&E Species?	Comments:		
NRTR Stream ID:		Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No
Deck Drains Discharge Over Water Body?	No	(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)			

Surface Water Body (2):	UT to Hickory Creek	NCDWR Stream Index No.:	9-14
NCDWR Surface Water Classification for Water Body	Primary Classification:	Class C	
	Supplemental Classification:	Trout Waters (Tr)	
Other Stream Classification:			
Impairments:			
Aquatic T&E Species?	Comments:		
NRTR Stream ID:		Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	
Deck Drains Discharge Over Water Body?	No	(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)			

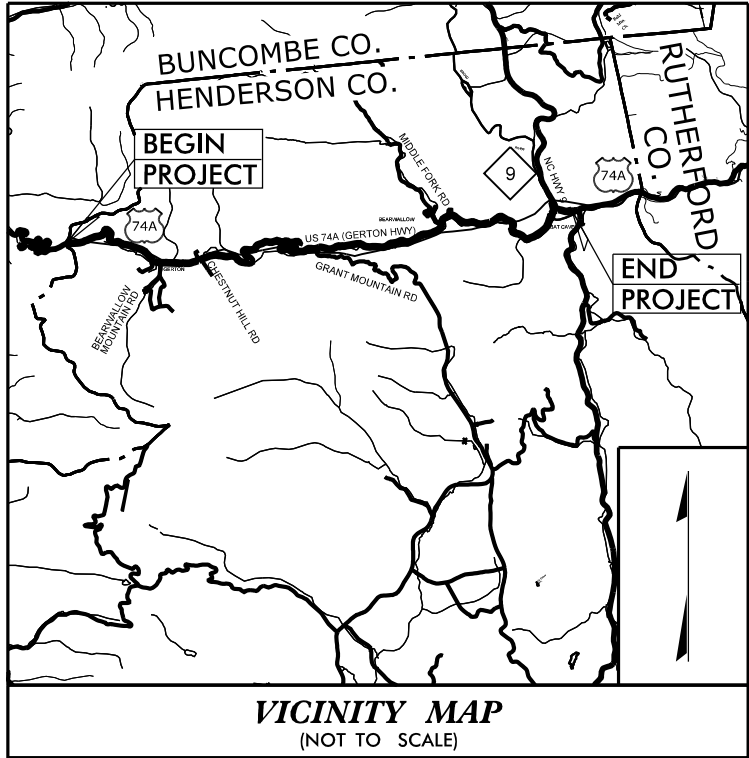
Surface Water Body (3):		NCDWR Stream Index No.:	
NCDWR Surface Water Classification for Water Body	Primary Classification:		
	Supplemental Classification:		
Other Stream Classification:			
Impairments:			
Aquatic T&E Species?	Comments:		
NRTR Stream ID:		Buffer Rules in Effect:	
Project Includes Bridge Spanning Water Body?		Deck Drains Discharge Over Buffer?	
Deck Drains Discharge Over Water Body?		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
(If yes, provide justification in the General Project Narrative)			

09/08/2025

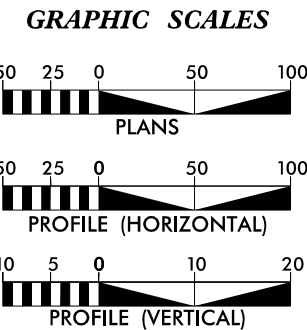
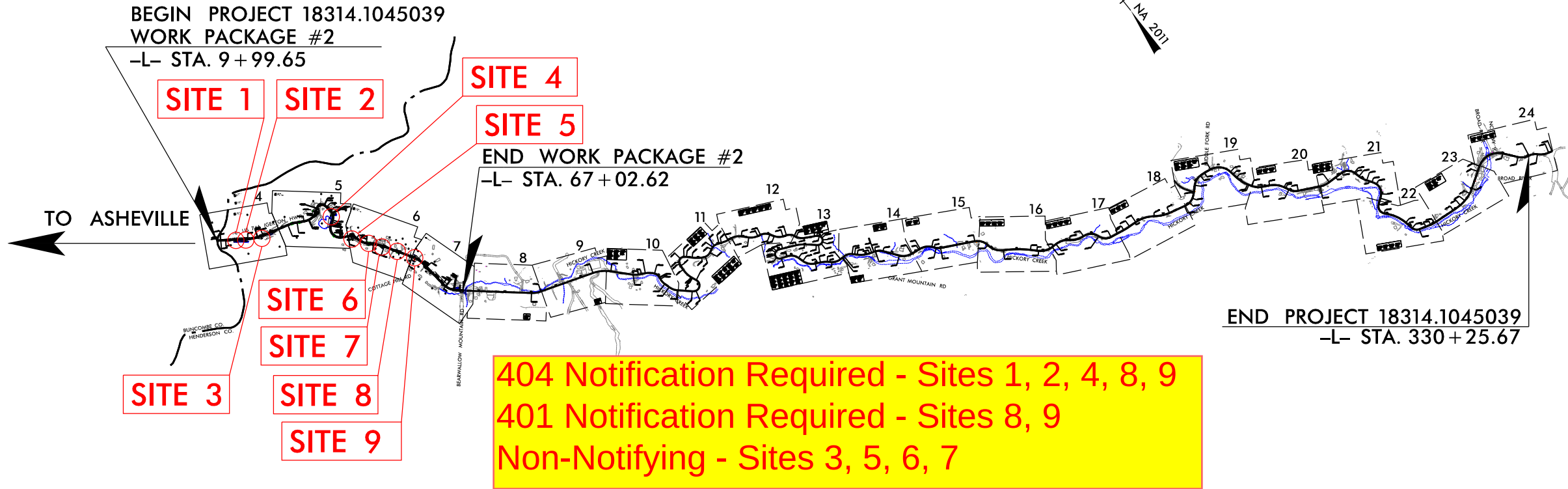
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PENTABLE: NCDOT_TSH.tbl
USER: DLEWIS
DATE: 8/27/2025
TIME: 1:15:29 PM
FILE: \

TIP PROJECT: 18314.1045039

CONTRACT:



VICINITY MAP
(NOT TO SCALE)

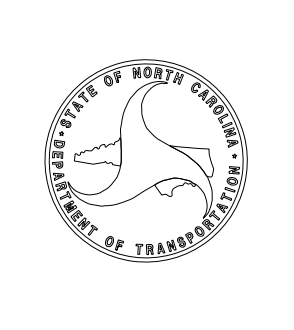


DESIGN DATA	
ADT 2022 =	1,500
ADT 2040 =	3,000
K =	%
D =	%
T =	8 %
V =	40 MPH
FUNC CLASS =	
MINOR ARTERIAL	

PROJECT LENGTH	
LENGTH ROADWAY WORK PACKAGE #2	= 1.08 MILES
TOTAL LENGTH TIP PROJECT US-74A	= 6.066 MILES

 2024 STANDARD SPECIFICATIONS	Prepared In the Office of: HDR Engineering, Inc. of the Carolinas 440 S Church St, Suite 1200, Charlotte, NC 28202 N.C.B.E.L.S. License Number: F-0116
	PHILLIP E. ROGERS, PE PROJECT ENGINEER
	MATTHEW J. WERDER, PE PROJECT DESIGN ENGINEER
	NATHAN R. TANNER, PE NCDOT CONTACT
RIGHT OF WAY DATE: _____	
LETTING DATE: _____	

HYDRAULICS ENGINEER	
SIGNATURE: _____	P.E.
ROADWAY DESIGN ENGINEER	
SIGNATURE: _____	P.E.



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HENDERSON COUNTY

LOCATION: US 74A (GERTON HWY) FROM WEST OF SR
1693 (BEARWALLOW MOUNTAIN RD) TO US 64
(CHIMNEY ROCK RD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND STRUCTURES

WORK PACKAGE #2: US 74A (GERTON HWY) FROM BUNCOMBE
COUNTY LINE TO SR 1693 (BEARWALLOW MOUNTAIN RD)

WETLANDS AND
SURFACE WATER
IMPACTS 8/27/2025

PERMIT DRAWING
SHEET 1 OF 15

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	18314.1045039	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
----	N/A	P.E.	
----	N/A	ROW	
----	N/A	CONST.	



TO CHIMNEY ROCK

HDR HDR Engineering, Inc. of the Carolinas
440 S Church St, Suite 1200, Charlotte, NC 28202
N.C.B.E.L.S. License Number: F-0116

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UNLESS ALL SIGNATURES COMPLETED

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USER: DLEWIS
FILE: \

PENTABLE: NCDOT_permits.NCON.WP#2.tbl
DATE: 8/27/2025
TIME: 1:16:16 PM

REVISIONS

6/2/99

JAMES M CLARKE ELSPETH FAMILY LIMITED PARTNERSHIP
Deed Book/Page 1924/0203

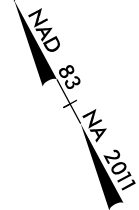
CLARKE DOUGLAS D\CLARKE BETSY
Deed Book/Page 1157/0165

HAMILTON, WILLIAM G\HAMILTON, SUSIE SKINNER CLARKE
Deed Book/Page 001518/00438

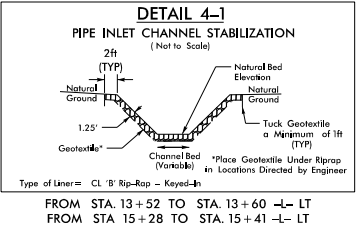
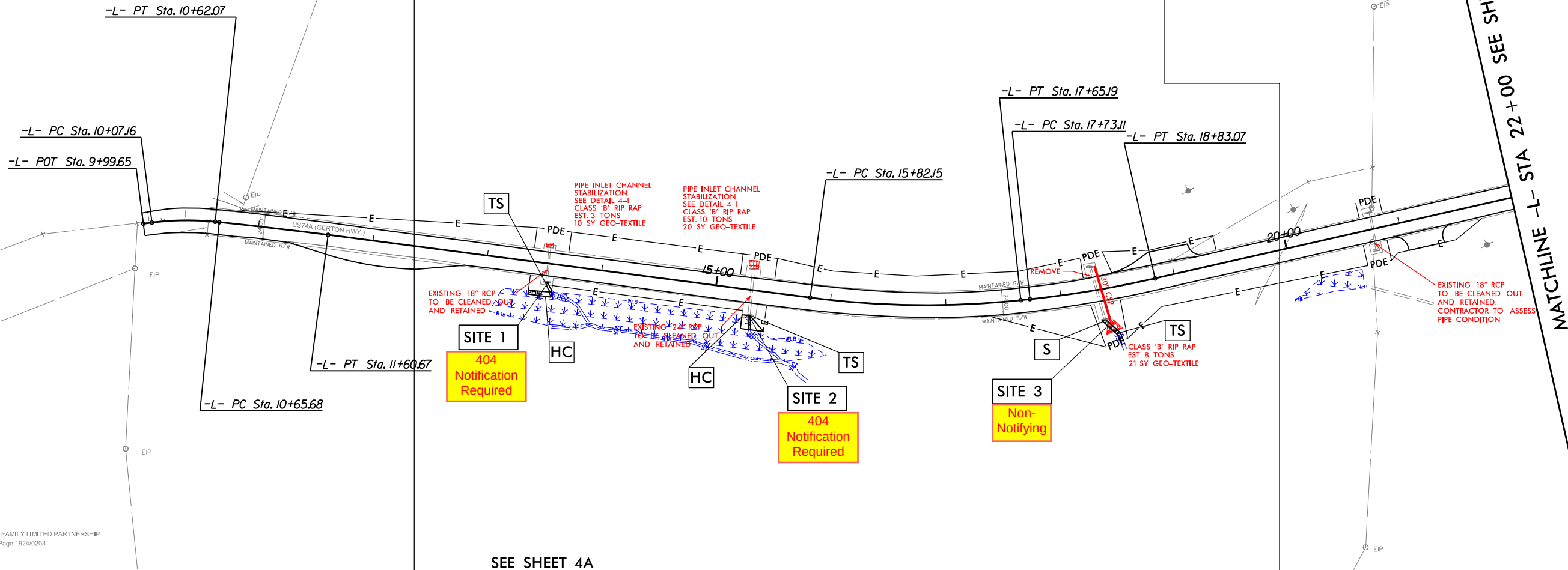
JAMES MCCLURE CLARKE AND ELSPETH MCCLURE CLARKE
FAMILY LIMITED PARTNERSHIP
Deed Book/Page 000913/00784

LEGEND

	SURFACE WATER IMPACTS
	TEMPORARY SURFACE WATER IMPACTS
	HAND CLEARING (NON-GRUBBING)



PROJECT REFERENCE NO.		SHEET NO.	
18314.1045039 (WP2)		04	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
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**PERMIT DRAWING
SHEET 2 OF 15**

PLOT DRIVER: NCDOT_color_eng_100.plt
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FILE: \

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DATE: 8/27/2025
TIME: 1:16:23 PM

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CLARKE DOUGLAS D\CLARKE BETSY
Deed Book/Page 1157/0165

JAMES M CLARKE ELSPETH FAMILY LIMITED PARTNERSHIP
Deed Book/Page 1924/0203

HAMILTON, WILLIAM G\HAMILTON, SUSIE SKINNER CLARKE
Deed Book/Page 001518/00438

JAMES MCCLURE CLARKE AND ELSPETH MCCLURE CLARKE
FAMILY LIMITED PARTNERSHIP
Deed Book/Page 000913/00784

LEGEND

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

HAND CLEARING (NON-GRUBBING)

CLARKE, DOUGLAS DIXON\CLARKE, BETSY HUTCHESON
Deed Book/Page 001499/00092

PROJECT REFERENCE NO.		SHEET NO.		
18314.1045039 (WP2)		04		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER			
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DETAIL 4-1
PIPE INLET CHANNEL STABILIZATION
(Not to Scale)

FROM STA. 13+52 TO STA. 13+60 -L- LT
FROM STA. 15+28 TO STA. 15+41 -L- LT

PERMIT DRAWING
SHEET 3 OF 15

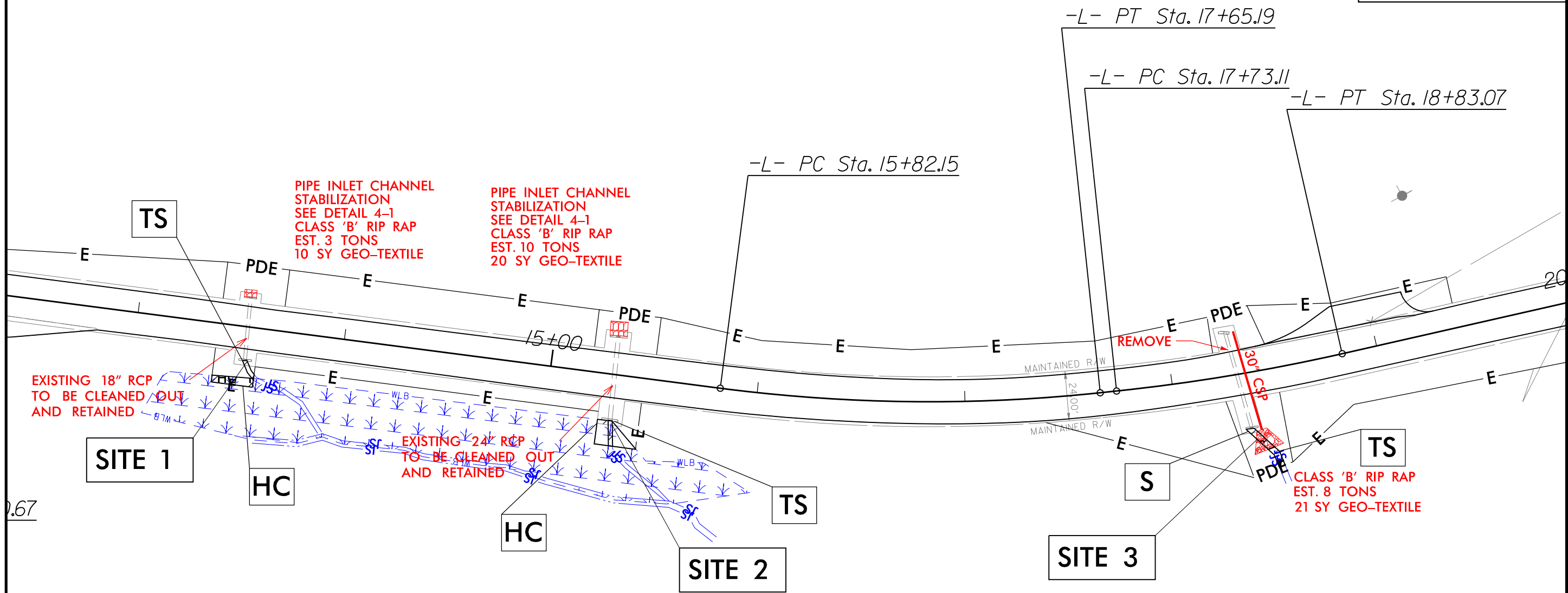
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6/2/99

REVISIONS

PROJECT REFERENCE NO.		SHEET NO.
18314.1045039 (WP2)		04A
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



PERMIT DRAWING
SHEET 4 OF 15

PLOT DRIVER: NCDOT_color_eng-100.plt
USER: DLEWIS
PENTABLE: NCDOT_permit.s_NCON_WP#2.tbl
DATE: 8/27/2025
TIME: 1:17:04 PM
FILE: \

6/2/99

REVISIONS

LEGEND

TS

TS

TEMPORARY SURFACE
WATER IMPACTS

HC

HC

HAND CLEARING (NON-GRUBBING)

MATCHLINE -L- STA 22+00 SEE SHEET 4

OZ HOLLOW LLC A NC LL COMPANY
Deed Book/Page 001505/00676

CLARKE, SINCLAIR B
Deed Book/Page 000690/00487

PIPE INLET CHANNEL
STABILIZATION
SEE DETAIL 5-1
CLASS 'B' RIP RAP
EST. 10 TONS
20 SY GEO-TEXTILE

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

-L- PC Sta. 23+91.29

-L- PT Sta. 25+74.78

-L- PC Sta. 27+08.09

-L- PC Sta. 29+32.14

-L- PT Sta. 29+16.11

-L- PT Sta. 30+07.35

-L- PC Sta. 30+88.50

-L- PC Sta. 28+10.85

-L- PT Sta. 27+97.04

SEE SHEET 5A

EXISTING 18" HDPE RCP CMP
TO BE CLEANED OUT AND
RETAINED WITHIN RIGHT-OF-WAY

CLASS 'B' RIP RAP
EST. 5 TONS
14 SY GEO-TEXTILE

EXISTING 36" CMP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED

-L- PT Sta. 32+51.62

-L- PC Sta. 32+60.66

-L- PT Sta. 33+12.88

-L- PC Sta. 34+17.96

-L- PT Sta. 34+58.90

-L- PC Sta. 34+83.16

-L- PT Sta. 36+02.75

-L- PC Sta. 36+72.77

-L- PT Sta. 37+07.82

-L- PC Sta. 37+20.84

-L- PC Sta. 40+69.73

-L- PT Sta. 40+45.89

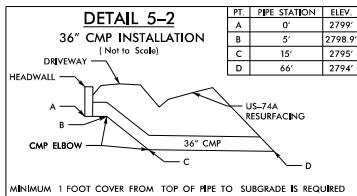
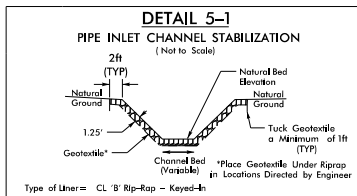
PT Sta. 41+01.89

40+00

ERSKINE, DAVID E, JR.; ERSKINE, JENNIFER H.
Deed Book/Page 003544/00292

ERSKINE, JENNIFER H.; ERSKINE, DAVID E, JR.
Deed Book/Page 001657/00291

PERMIT DRAWING
SHEET 5 OF 15



PROJECT REFERENCE NO.
18314.1045039 (WP2)

SHEET NO.
05

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

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N.C.B.E.L.S. License Number: F-0116

NAD 83
NA 2011

PLOT DRIVER: NCDOT_color_eng_100.plt
USER: DEWEIS
FILE: \

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DATE: 8/27/2025
TIME: 1:17:22 PM

6/2/99

REVISIONS

LEGEND

TS

TS

TEMPORARY SURFACE
WATER IMPACTS

HC

HC

HAND CLEARING (NON-GRUBBING)

MATCHLINE -L- STA 22+00 SEE SHEET 4

OZ HOLLOW LLC A NC LL COMPANY
Deed Book/Page 001505/00676

CLARKE, SINCLAIR B
Deed Book/Page 000690/00487

PIPE INLET CHANNEL
STABILIZATION
SEE DETAIL 5-1
CLASS 'B' RIP RAP
EST. 10 TONS
20 SY GEO-TEXTILE

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED

-L- PC Sta. 23+91.29

-L- PT Sta. 25+74.78

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

-L- PC Sta. 27+08.09

-L- PC Sta. 29+32.14

-L- PT Sta. 29+16.11

-L- PT Sta. 30+07.35

-L- PC Sta. 30+88.50

PIPE INLET CHANNEL
STABILIZATION
SEE DETAIL 5-1
CLASS 'B' RIP RAP
EST. 15 TONS
30 SY GEO-TEXTILE

-L- PC Sta. 28+10.85

-L- PT Sta. 27+97.04

SEE SHEET 5A

EXISTING 18" HDPE RCP CMP
TO BE CLEANED OUT AND
RETAINED WITHIN RIGHT-OF-WAY

CLASS 'B' RIP RAP
EST. 5 TONS
14 SY GEO-TEXTILE

EXISTING 36" CMP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

SNIPES, CHARLES WILLIAM SR.
TRUSTEE: SNIPES, BARBARA S. TRUSTEE: JOINT
REVOCABLE TRUST OF CHARLES WILLIAM
SNIPES SR. AND BARBARA S. SNIPES
Deed Book/Page 004174/00235

MOEBES, KAMERON
LYNN MOEBES, JASON PAUL
Deed Book/Page 003540/00360

-L- PC Sta. 32+60.66

-L- PT Sta. 32+51.62

-L- PT Sta. 33+12.88

MOEBES, KAMERON
LYNN MOEBES, JASON PAUL
Deed Book/Page 003540/00360

-L- PC Sta. 34+17.96

-L- PC Sta. 34+83.16

-L- PT Sta. 34+58.90

SANE, SYLVIA J.; SANE, JAMES R.
Deed Book/Page 003923/00523

REMOVE EXISTING DEBRIS
FROM PIPE INLET

-L- PT Sta. 36+02.75

-L- PC Sta. 36+72.77

-L- PT Sta. 37+07.82

-L- PC Sta. 37+20.84

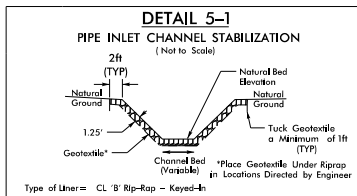
-L- PC Sta. 40+69.73

-L- PT Sta. 40+45.89

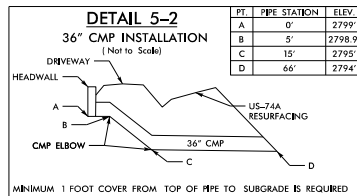
PT Sta. 41+01.89

EXISTING 18" RCP
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR
TO ASSESS PIPE CONDITION

PERMIT DRAWING
SHEET 6 OF 15



FROM STA 22+98 TO STA 23+10 -L- LT
FROM STA 30+12 TO STA 30+26 -L- LT



FROM STA 22+98 TO STA 23+10 -L- LT
FROM STA 30+12 TO STA 30+26 -L- LT

PROJECT REFERENCE NO.
18314.1045039 (WP2)

SHEET NO.
05

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

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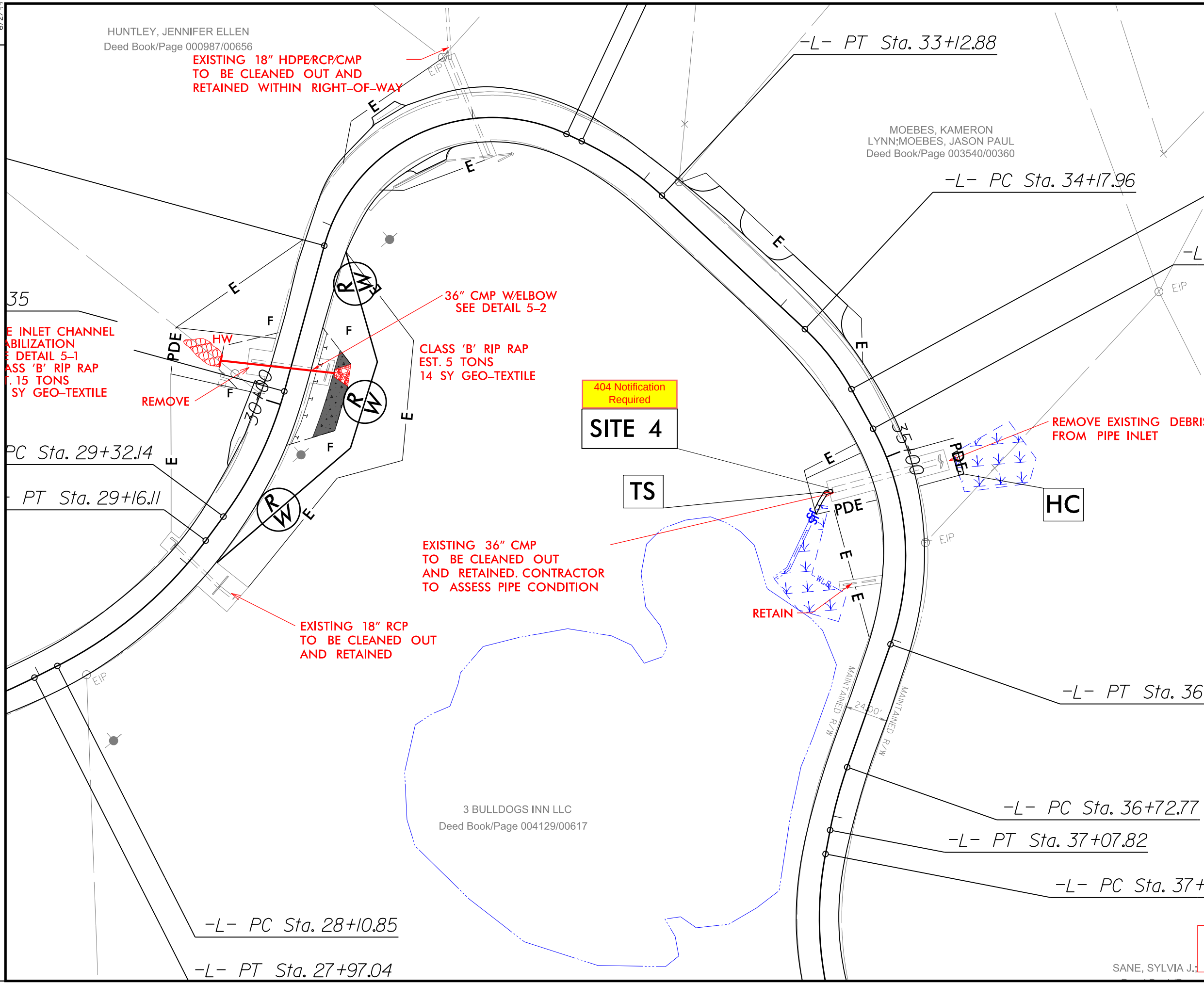
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

NAD 83
NA 2011

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TIME: 1:17:46 PM

REVISIONS

6/2/2025



PROJECT REFERENCE NO.		SHEET NO.	
18314.1045039 (WP2)		05A	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
</			

SANE, SYLVIA J.; SANE, JAM
Deed Book/Page 003923/00

PERMIT DRAWING
SHEET 7 OF 15

SANE, SYLVIA J.:

PLOT DRIVER: NCDOT_color_eng-100.plt
USER: DLEWIS
DATE: 8/27/2025
TIME: 1:18:07 PM

REVISIONS

6/2/2019

LEGEND

S

S

SURFACE WATER IMPACTS

TS

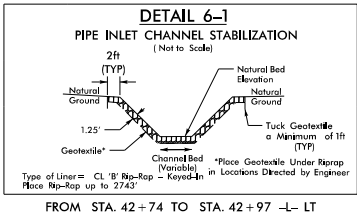
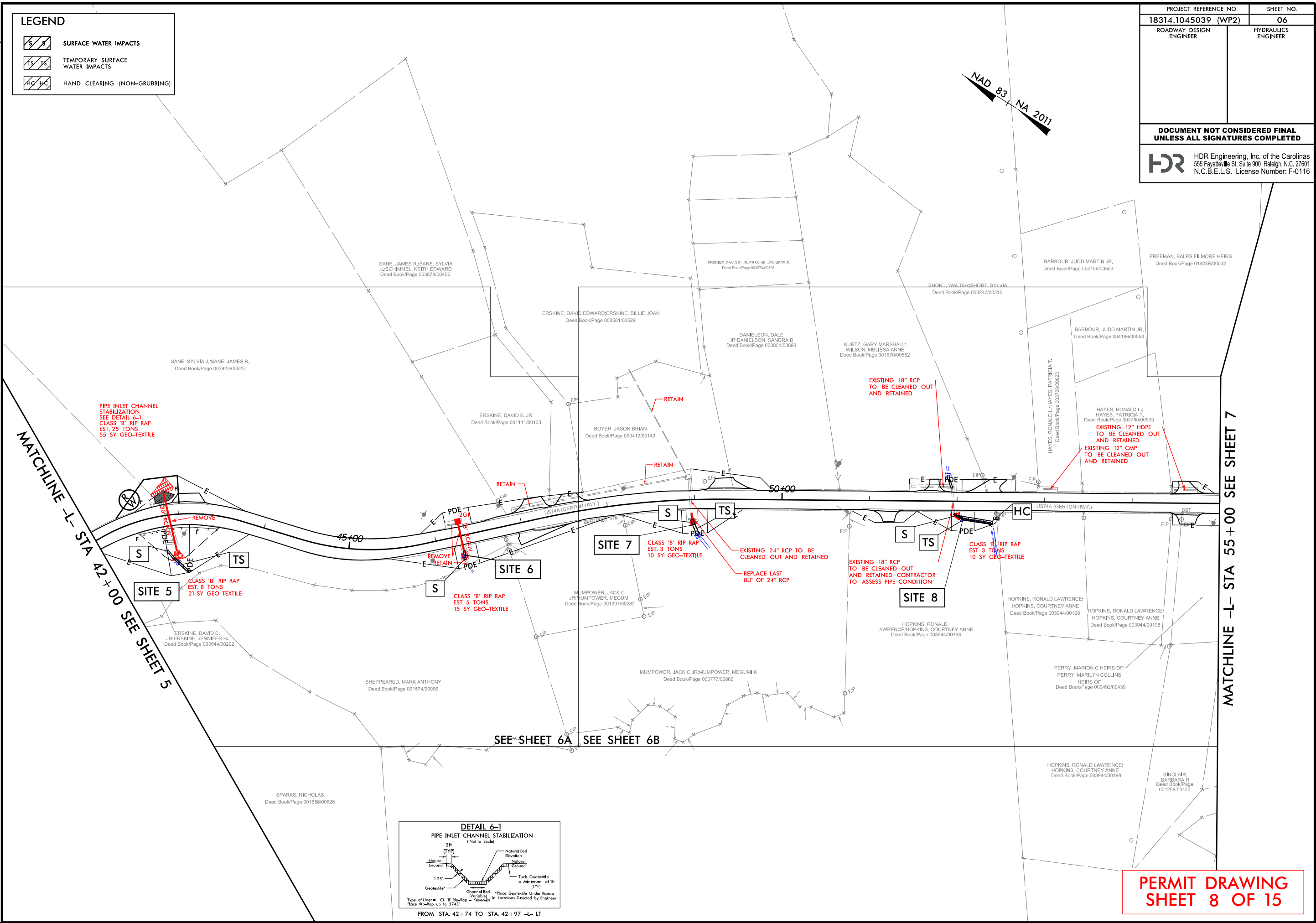
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TEMPORARY SURFACE WATER IMPACTS

HC

HC

HAND CLEARING (NON-GRUBBING)



PERMIT DRAWING
SHEET 8 OF 15

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DATE: 8/27/2025
TIME: 1:18:25 PM
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REVISIONS

6/2/99

LEGEND

S

S

SURFACE WATER IMPACTS

TS

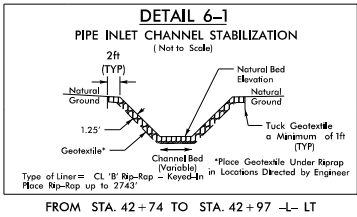
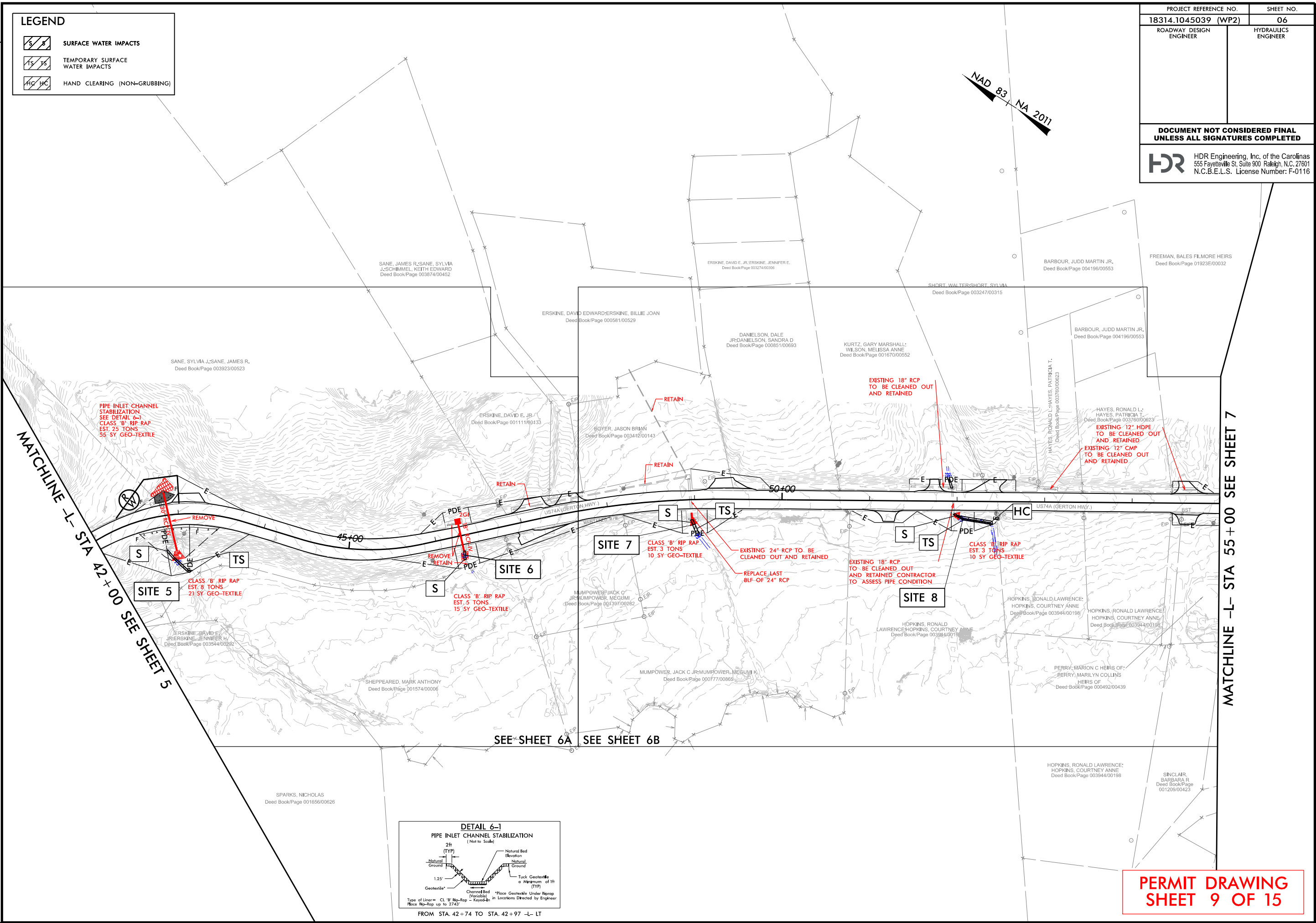
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TEMPORARY SURFACE WATER IMPACTS

HC

HC

HAND CLEARING (NON-GRUBBING)



PERMIT DRAWING
SHEET 9 OF 15

PROJECT REFERENCE NO.		SHEET NO.	
18314.1045039 (WP2)		06	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
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USER: DLEWIS
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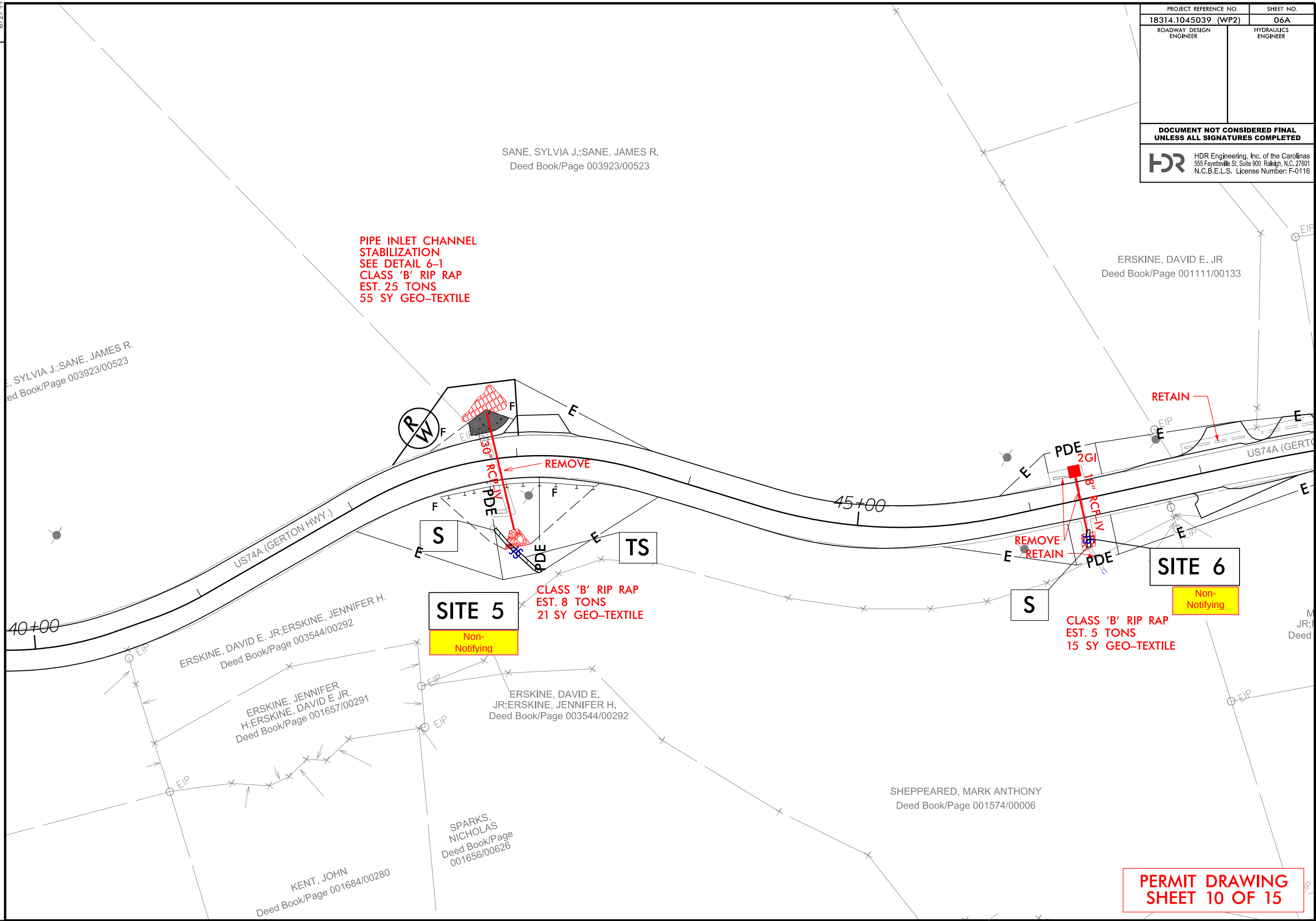
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REVISIONS

6/2/99

PROJECT REFERENCE NO.		SHEET NO.
18314.1045039 (WP2)		06A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	



REVISIONS

6/2/99

LEGEND

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS

PROJECT REFERENCE NO.

18314.1045039 (WP2)

SHEET NO.

07

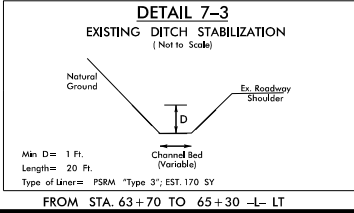
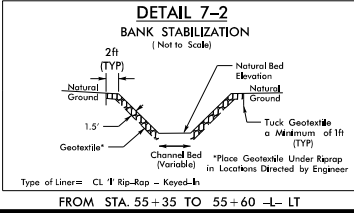
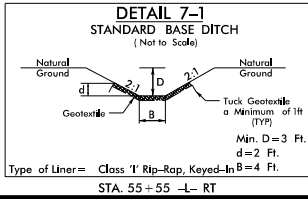
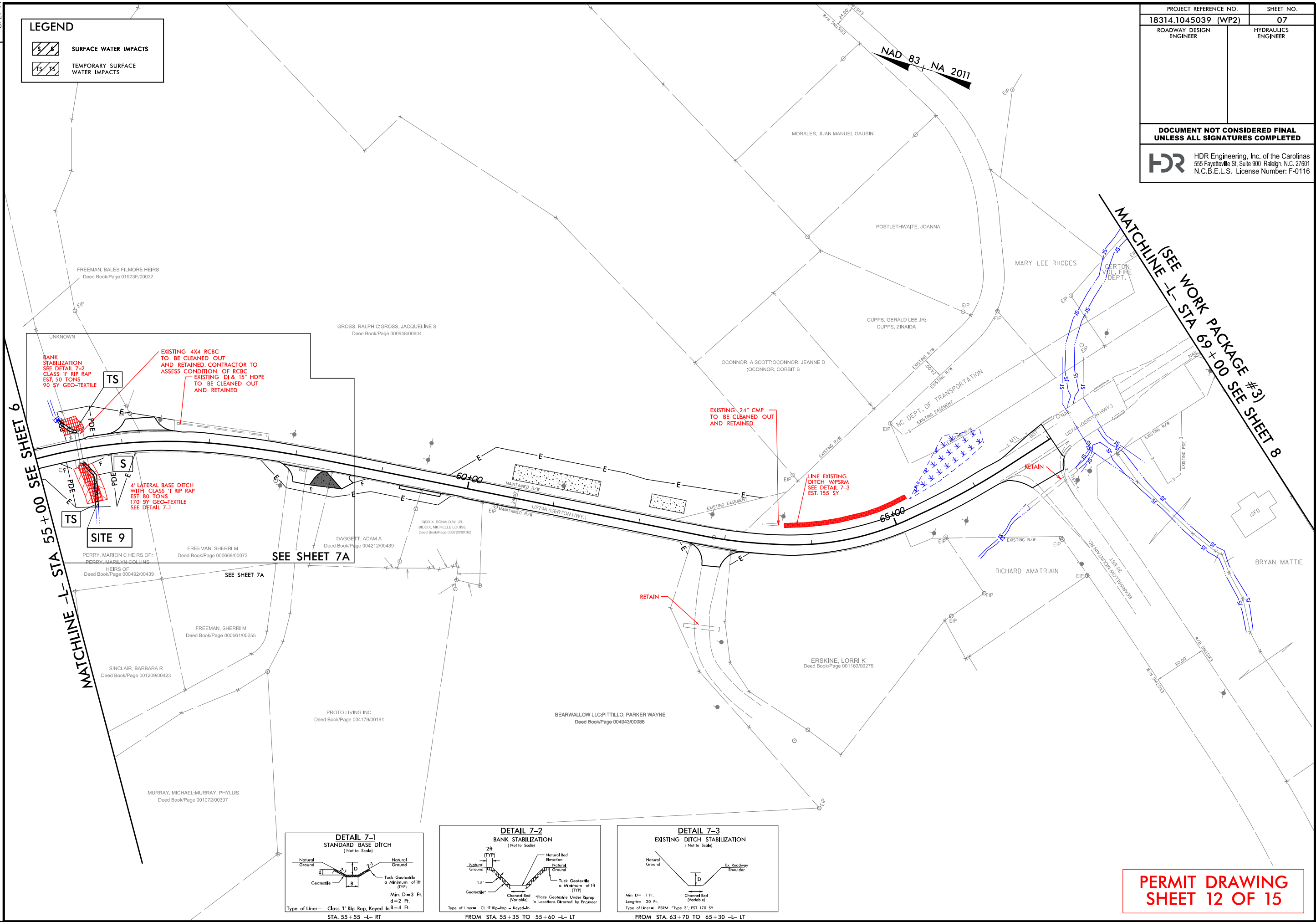
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

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HDR

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N.C.B.E.L.S. License Number: F-0116



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SHEET 12 OF 15

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USER: DEWEIS
DATE: 8/27/2025
TIME: 1:19:38 PM
FILE: \

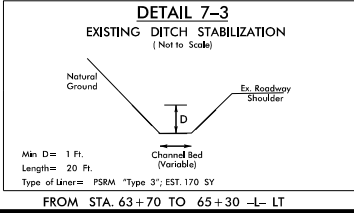
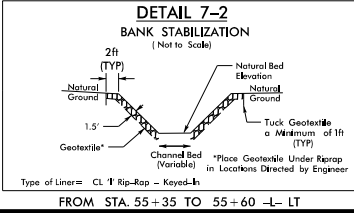
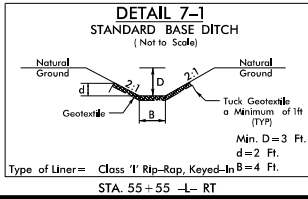
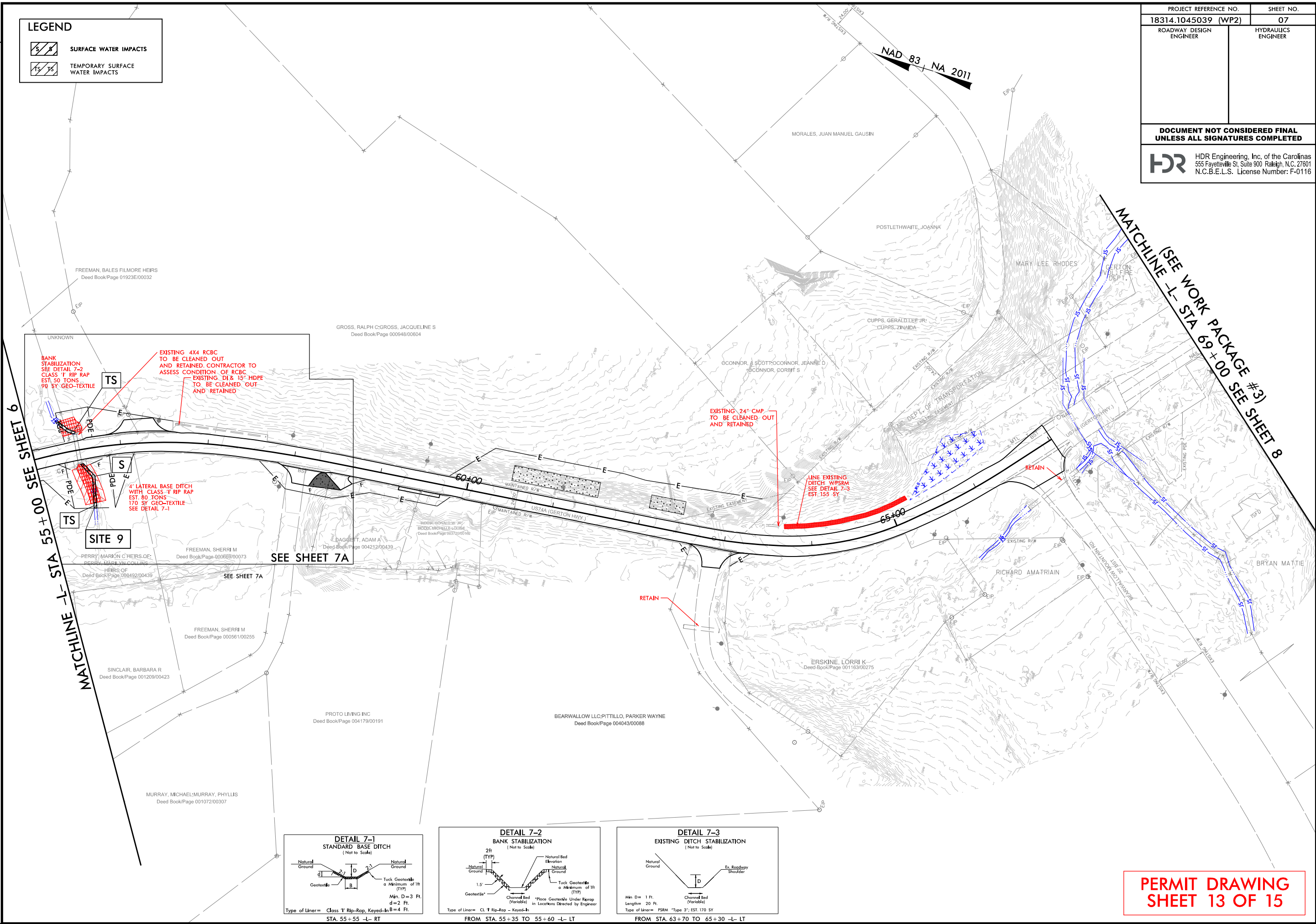
REVISIONS

6/2/99

LEGEND

SURFACE WATER IMPACTS

TEMPORARY SURFACE WATER IMPACTS



PERMIT DRAWING
SHEET 13 OF 15

PROJECT REFERENCE NO.		SHEET NO.	
18314.1045039 (WP2)		07	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
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PLOT DRIVER: NCDOT_color_eng-100.plt
USER: DLEWIS
FILE: \

PENTABLE: NCDOT_permit.s_NCON.WP#2.tbl
DATE: 8/27/2025
TIME: 1:19:48 PM

REVISIONS

6/2/99

UNKNOWN

BANK
STABILIZATION
SEE DETAIL 7-2
CLASS 'I' RIP RAP
EST. 50 TONS
90 SY GEO-TEXTILE

TS

EXISTING 4X4 RCBC
TO BE CLEANED OUT
AND RETAINED. CONTRACTOR TO
ASSESS CONDITION OF RCBC
EXISTING DI & 15" HDPE
TO BE CLEANED OUT
AND RETAINED

PDE

PDE

F

F

PDE

TS

F

PDE

S

E

4' LATERAL BASE DITCH
WITH CLASS 'I' RIP RAP
EST. 80 TONS
170 SY GEO-TEXTILE
SEE DETAIL 7-1

404 and 401
Notification Required

SITE 9

PERRY, MARION C HEIRS OF;
PERRY, MARILYN COLLINS

FREEMAN, SHERRI M
Deed Book/Page 000669/00073

BST

FE

F

PERMIT DRAWING
SHEET 14 OF 15

PROJECT REFERENCE NO.		SHEET NO.	
18314.1045039 (WP2)		07A	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
</			

DAGGE

Deed Book/Pa

WETLAND AND SURACE 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	13+54 -L- RT	18" RCP Cleanout					< 0.01		< 0.01		9	
2	15+30 -L- RT	24" RCP Cleanout					< 0.01		< 0.01		12	
3	18+35 -L- RT	30" CSP Installation						< 0.01	< 0.01	15	7	
4	35+08 -L- RT	36" CMP Cleanout					< 0.01		< 0.01		15	
5	42+90 -L- RT	30" RCP Installation						< 0.01	< 0.01	15	21	
6	46+30 -L- RT	18" RCP Installation						< 0.01		10		
7	48+97 -L- RT	24" RCP Extension						< 0.01	< 0.01	5	11	
8	52+00 -L- LT/RT	18" RCP Cleanout					< 0.01	< 0.01	< 0.01	7	49	
9	55+55 -L- LT/RT	Stabilization/Ditch Grading						< 0.01	< 0.01	48	28	
TOTALS*:							< 0.01	< 0.01	< 0.01	100	152	0

*Rounded totals are sum of actual impacts

NOTES:

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUST 2025
HENDERSON COUNTY
18314.1045039
GERTON HWY - US 74
SHEET 15 OF 15