



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

July 2, 2026

MEMORANDUM TO: Division Environmental and Construction Units
FROM: *mat* Michael A. Turchy, ECAP Group Leader
Environmental Analysis Unit
SUBJECT: Environmental Permits for the Proposed Widening of NC 73 (Sam Furr Road) from NC 115 (Old Statesville Road) to SR 2693 (Davidson-Concord Road) in Huntersville in Mecklenburg County, Division 10, TIP No. **R-2632AB**

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	Regional General Permit 50	May 25, 2030
NC Division of Water Resources Section 401 Water Quality Certification	General Certification No. 7679 <i>Written authorization not required</i>	May 25, 2030

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/EnvironmentalPermits/_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

July 1, 2026

Regulatory Division
SAW-2010-01107

Sent Via Email: wabarrett@ncdot.gov

William Barrett, ECAP Environmental Coordinator
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, NC 27699-1598

Dear Mr. Barrett:

This letter is in response to the application you submitted to the Wilmington District, WRDA/Transportation Branch on May 22, 2026, for a Department of the Army general permit verification. This project has been assigned the file number SAW-2010-01107 and is known as NCDOT/R 2632 AB, NC73, Sam Furr Road from NC 115 to SR 2693 (Davidson Concord Rd). 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 improvement (widening) of an approximately three-mile-long segment of NC 73 (Sam Furr Road) and will include: permanent placement of culverts/fill in 628 linear feet (lf) (< 0.07 ac), permanent placement of 37 lf (< 0.01 acre) of rock armor/energy dissipator, permanent placement of 69 lf (< 0.01 acre) of stream bank stabilization, utilize a total of 128 lf (0.01 acre) temporary stream impacts from construction access/dewatering activities in Ramah Creek and its tributaries, and conduct < 0.01 acre mechanical land clearing and permanent placement of fill in < 0.01 acre of wetland areas for this R-2632 AB project. The project area for this determination includes a 267 acres area which is illustrated on the enclosed site plans/maps. The NCDOT R-2632 AB project/review area is located across Ramah Creek and its tributaries; along an approximately three-mile-long segment of NC 73 (Sam Furr Road) from NC 115 (Old Statesville Road) to SR 2693 (Davidson-Concord Road), at Latitude 35.440800 and Longitude -80.841400; in Huntersville, Mecklenburg County, North Carolina.

We have determined that the proposed work is authorized by Regional General Permit 50 (RGP-50) 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 enclosed general permit conditions, any regional conditions, the special conditions

listed in this letter, the application materials, and the enclosed plans, Sheets 1-10 of 10, entitled "North Carolina Division of Highways, TIP Project R-2632AB, Mecklenburg County". If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised application must be submitted to this office for written approval before work is initiated. Any deviation from the terms and conditions of the permit, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until May 25, 2030, unless the subject general permit(s) is suspended, revoked, or is modified prior to that date such that the activity no longer complies with the terms and conditions of the general permit.

Project Specific Special Conditions:

1. All work must be performed in strict compliance with (a) the description of work in the PCN and (b) the Wetlands and Surface Water Impact Permit Drawing(s) (Permit Plans) in the application dated January 13, 2025. Any modification to the description of work and/or the permit plans must be approved by the USACE prior to implementation.
2. The permittee shall require its contractors and/or agents to comply with the terms and conditions of this authorization letter in the construction and maintenance of this project and shall provide each of its contractors and/or agents associated with the construction or maintenance of this project with a copy of this authorization letter, all conditions, and any authorized modifications. A copy of this authorization letter, all conditions, and any authorized modifications, shall be available at the project site during construction and maintenance of this project.
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 Forms. The requirements of these forms, including any special conditions listed on these forms, are hereby incorporated as special conditions of this permit authorization.

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

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Stephen Brumagin, WRDA/Transportation Project Manager of the Charlotte Field Office at 704-798-6471, by mail at the above address, or by email at stephen.a.brumagin@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 style with a large, prominent "M" and "J".

M. Scott Jones, PWS
WRDA/Transportation Branch Chief

Enclosures

Permitted plans
GC 7678
RGP-50

cc (w/enclosures):

Erin Cheely, NCDOT, ECAP (via ekcheely@ncdot.gov)
Joel Howard, PDEA Eng, NCDOT Div 10 (via jmhoward@ncdot.gov)

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.		<i>Form Approved -</i> OMB No. 0710-0003 <i>Expires 2027-10-31</i>
The Agency Disclosure Notice (ADN)		
<p>The Public reporting burden for this collection of information, 0710-0003, is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p>		
<p>PURPOSE: This form is used by recipients of U.S. Army Corps of Engineer Regulatory permits to certify compliance with the permit terms and conditions.</p> <p>Your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.</p>		
<p>Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the U.S. Army Corps of Engineers, Wilmington District, Regulatory Office.</p> <p>The certification can be submitted by email at stephen.a.brumagin@usace.army.mil or by mail at the below address:</p>		
U.S. Army Corps of Engineers Wilmington District Office Street Address: 69 Darlington Avenue City: Wilmington State: North Carolina Zip Code: 28403		
COMPLETED BY THE CORPS		
Corps Action Number:	SAW-2010-01107	
Permit Type: <u>General Permit</u>		
General Permit Number and Name (if applicable):		
Name of Permittee:	William Barrett,	
Project Name:	NCDOT/R 2632AB, NC73, Sam Furr Rd. from NC 115 to SR 2693 (Davidson Concord Rd)	
Project Location (physical address):	Huntersville, 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

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: NCDMS provided NCDOT with an approval letter dated May 14, 2026, to provide in-lieu mitigation for impacts to 666 linear feet (lf) streams and 0.01-acre wetland in HUC 03040105.

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).***

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

USACE Project Manager: Stephen Brumagin
USACE Field Office: Charlotte Field Office
US Army Corps of Engineers
8430 University Executive Park Drive
Charlotte
Email: stephen.a.brumagin@usace.army.mil

Stephen A. Brumagin
Wilmington District Project Manager Signature

July 1, 2026

Date of Signature

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>.

Carpenter, Kristi

From: Carpenter, Kristi
Sent: Monday, June 29, 2026 10:57 AM
To: Cheely, Erin K; McHenry, David G; Harmon, Beth; Wescott, William G; Brumagin, Stephen A (Steve) CIV USARMY CESAW (USA); Sheldon, Chris J
Subject: TPB NCDOT - NC73 Widening (R-2632AB), DWR 20260651 Version 1, GC7679
Attachments: GC7679.pdf

All,
Due to a paperwork mishap the subject project that fell under GC7679 was put to public notice. Please be advised that public notice period has expired with no comments having been received. Project is still covered under the GC7679 attached.

This email is being sent to you because you have been identified as an electronic copy recipient of the subject document. If you have any questions about this email or the attached document, please contact Chris Sheldon at chris.sheldon@deq.nc.gov.

If you have General Certification questions please use the following link to access the site map for General Certifications on our Website: <https://www.deq.nc.gov/about/divisions/water-resources/water-quality-permitting/401-buffer-permitting/general-certifications>

Sincerely,
Kristi Lynn Carpenter

Kristi Lynn Carpenter
Program Coordinator II
401 & Buffer Transportation Permitting Branch
Department of Environmental Quality
Division of Water Resources

919.707.3872 office
kristilynn.carpenter@deq.nc.gov

512 N Salisbury Street, 12th Floor
1617 Mail Service Center
Raleigh, NC 27699-1617

Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN



(Version 3.02: Released April 23, 2024)

FOR NCDOT PROJECTS

WBS Element: 38824.1.2 TIP/Proj No: R-2632AB County(ies): Mecklenburg Page 1 of 2

General Project Information

WBS Element:	38824.1.2	TIP Number:	R-2632AB	Project Type:	Roadway Widening	Date:	3/19/2025
NCDOT Contact:	Radha Attaluri		Contractor / Designer:		Sierra Wolf, PE		
	Address:	716 W Maine St. Albemarle, NC 28001		Address:	1001 Morehead Square Dr Suite 610 Charlotte, NC		
	Phone:	(919)707-6038		Phone:	(704)342-8467		
	Email:	raattaluri@ncdot.gov		Email:	sierra.haynes@wsp.com		
City/Town:	Charlotte, NC		County(ies):	Mecklenburg			
River Basin(s):	Yadkin-Pee Dee		CAMA County?	No			
Wetlands within Project Limits?	Yes						

Project Description

Project Length (lin. miles or feet):	3.03 miles	Surrounding Land Use:	Residential, Rural					
	Proposed Project			Existing Site				
Project Built-Up Area (ac.)	44.8	ac.	18.4	ac.				
Typical Cross Section Description:	-L- alignment has 4 - 12' paved lanes with curb and gutter with closed drainage and left turn lanes protected with a concrete median. 10' wide Sidewalk with 2' grass strip featured along of -L- and along -Y3-			2-12' paved lanes with 2' paved shoulders, open channel ditches along corridor				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	57400	Year:	2046	Existing:	39300	Year:	2026

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

R-2632AB involves the widening of approximately 3 miles of NC Highway 73 from a 2 lane section to a 4 lane section with curb and gutter, with sidewalk to improve the walkability of the corridor. Because of the nature of the widening, most of the existing drainage along NC-73 is proposed to be replaced. Proposed widening will include new closed stormdrainage systems with inlets spaced along NC-73 to reduce spread within the travel lanes. New roadside ditches will also be incorporated where necessary. The roadway widening crosses existing wetlands and Jurisdictional Streams as shown in the plans. The proposed widening also crosses Ramah Creek and an Upper Tributary to Ramah Creek. Rip Rap pads are utilized at proposed outlets to reduce erosive velocities into adjacent streams. Erosion Control Measures will be implemented on the project site including placing silt fencing along the construction zone as well as checks and wattles along flow paths and sediment traps and basins where necessary and where practical and inlet protection around existing and proposed storm drainage inlets.



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



(Version 3.02; Released April 23, 2024)

WBS Element: 38824.1.2 TIP/Proj No.: R-2632AB County(ies): Mecklenburg Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):	Ramah Creek		NCDWR Stream Index No.:	13-17-4-4	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:		None		
Other Stream Classification:	None				
Impairments:	None				
Aquatic T&E Species?	No	Comments:			
NRTR Stream ID:			Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	N/A	Dissipator Pads Provided in Buffer?	No
Deck Drains Discharge Over Water Body?	N/A	(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
	(If yes, provide justification in the General Project Narrative)				

Surface Water Body (2):			NCDWR Stream Index No.:		
NCDWR Surface Water Classification for Water Body	Primary Classification:				
	Supplemental Classification:				
Other Stream Classification:					
Impairments:					
Aquatic T&E Species?		Comments:			
NRTR Stream ID:			Buffer Rules in Effect:		
Project Includes Bridge Spanning Water Body?		Deck Drains Discharge Over Buffer?		Dissipator Pads Provided in Buffer?	
Deck Drains Discharge Over Water Body?		(If yes, provide justification in the General Project Narrative)		(If yes, describe in the General Project Narrative; if no, justify in the General Project Narrative)	
	(If yes, provide justification in the General Project Narrative)				

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

09/28/19

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

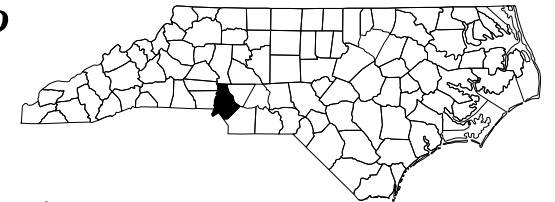
LOCATION: NC HWY 73 FROM NC HWY 115 TO S.R. 2693 DAVIDSON-CONCORD RD

TYPE OF WORK: PAVING, GRADING, DRAINAGE, CULVERT,
AND SIGNALS

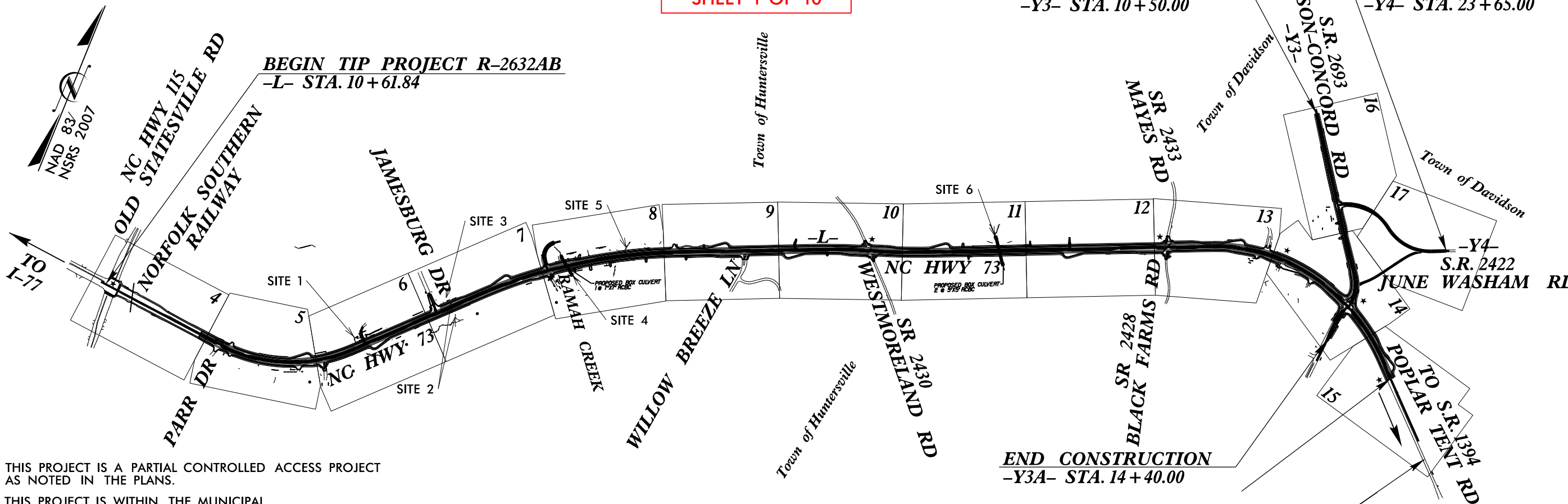
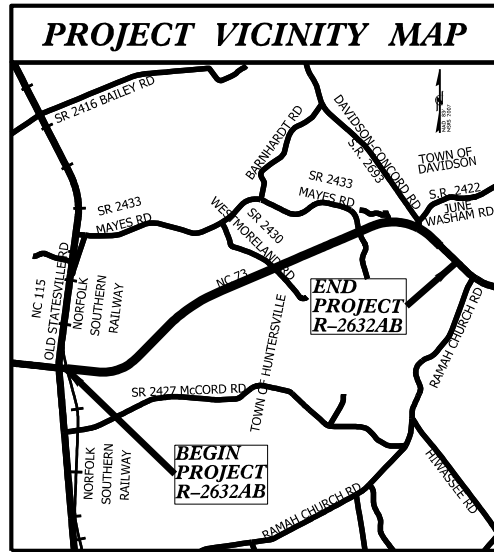
SURFACE WATER AND WETLAND IMPACTS PERMIT

PERMIT DRAWING
SHEET 1 OF 10

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2632AB	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
38824.1.2	STP-0073 (047)	PE	
38824.2.1	3882424	R / W	
38824.2.4	3882424	UTILITIES	
38824.3.2	3882424	CONST.	



TIP PROJECT: R-2632AB



THIS PROJECT IS A PARTIAL CONTROLLED ACCESS PROJECT AS NOTED IN THE PLANS.

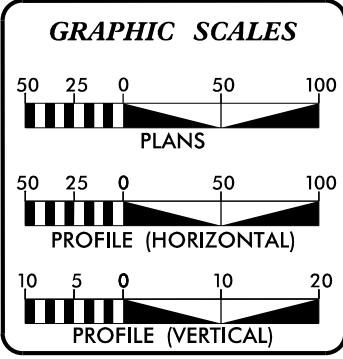
THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF HUNTERSVILLE AND THE TOWN OF DAVIDSON.

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

END TIP PROJECT R-2632AB
-L_INT- 170 + 80.00

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT:



DESIGN DATA

ADT 2026 =	39,300 vpd
ADT 2046 =	57,400 vpd
K =	8 %
D =	55 %
T =	10 % *
V =	50 MPH
* TTST 3% + DUAL 7%	
FUNC CLASS =	ARTERIAL
REGIONAL TIER	

PROJECT LENGTH

LENGTH OF -L- TIP PROJECT R-2632AB =	3.03 MILES
ROADWAY LENGTH =	3.03 MILES

Prepared In the Office of:

wsp

1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203
NC LIC NO. F-0165

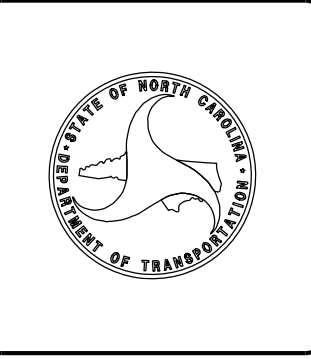
2024 STANDARD SPECIFICATIONS	SIERRA WOLF, P.E. PROJECT ENGINEER
RIGHT OF WAY DATE: JUNE 16, 2023	NARONG PHAL, P.E. PROJECT DESIGN ENGINEER
LETTING DATE: AUGUST 18, 2026	RADHA ATTALURI, P.E. NCDOT CONTACT

HYDRAULICS ENGINEER


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ROADWAY DESIGN ENGINEER

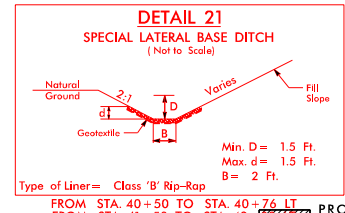
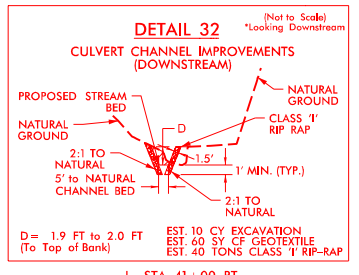
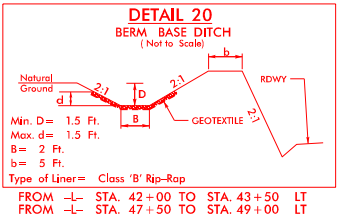
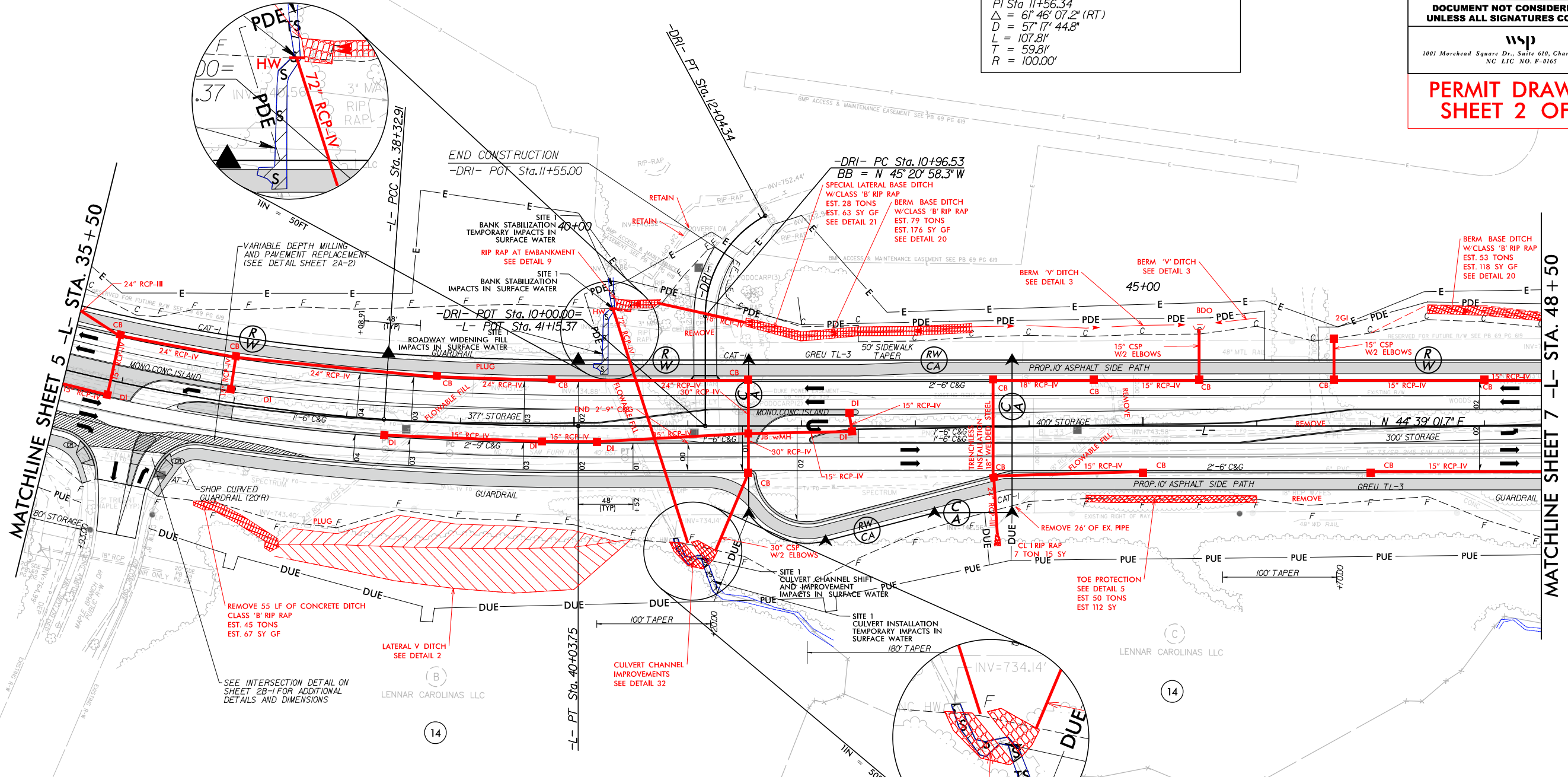
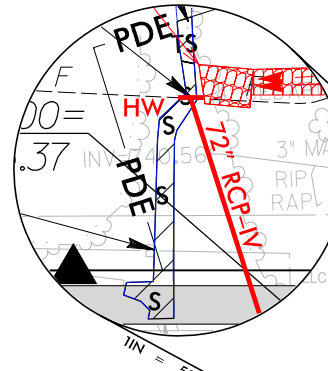
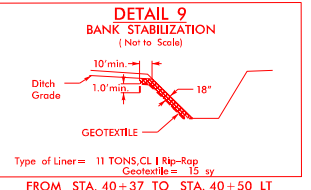
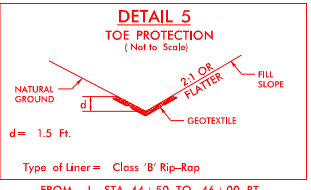
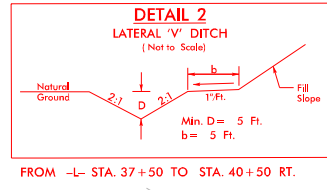
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






19-MAR-2025 11:13
N:\S\CH\ACADD\R-2632AB-hyd-prm-TSH.dgn
WSP

PROJECT REFERENCE NO.	SHEET NO.
R-2632AB	6
RW SHEET NO.	RW06
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203 NC LIC NO. F-0165	
PERMIT DRAWING SHEET 2 OF 10	

-L-	
PI Sta 31+94.30 $\Delta = 47^{\circ} 13' 06.7''$ (LT) $D = 3^{\circ} 28' 20.9''$ $L = 1,359.80'$ $T = 721.19'$ $R = 1,650.00'$ $e = 04$ $Lr = 192'$	PI Sta 39+18.36 $\Delta = 3^{\circ} 54' 55.8''$ (LT) $D = 2^{\circ} 17' 30.6''$ $L = 170.85'$ $T = 85.46'$ $R = 2,500.00'$ $e = 03$ $Lr = 144'$
-DRI-	
PI Sta 11+56.34 $\Delta = 61^{\circ} 46' 07.2''$ (RT) $D = 57^{\circ} 17' 44.8''$ $L = 107.81'$ $T = 59.81'$ $R = 100.00'$	




 SURFACE WATER IMPACTS
 TEMPORARY SURFACE WATER IMPACTS

NOTE:
 ALL DRIVEWAY APRONS 20'
 UNLESS OTHERWISE NOTED.
 PROPOSED MILLING, RESURFACING,
 AND PAVEMENT REPLACEMENT
 PROPOSED ASPHALT SIDE PATH
 PROPOSED C&G, SIDEWALK AND
 CONCRETE MONOLITHIC ISLAND
 SEE SHEET 18 & 19 FOR -L- PROFILE
 SEE SHEET 25 FOR -DRI- PROFILE

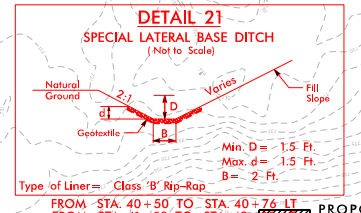
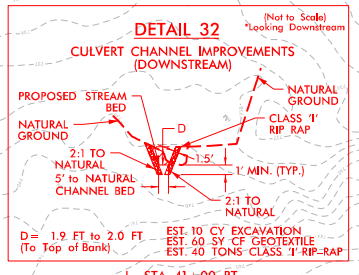
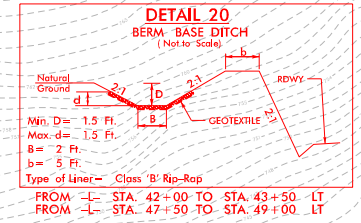
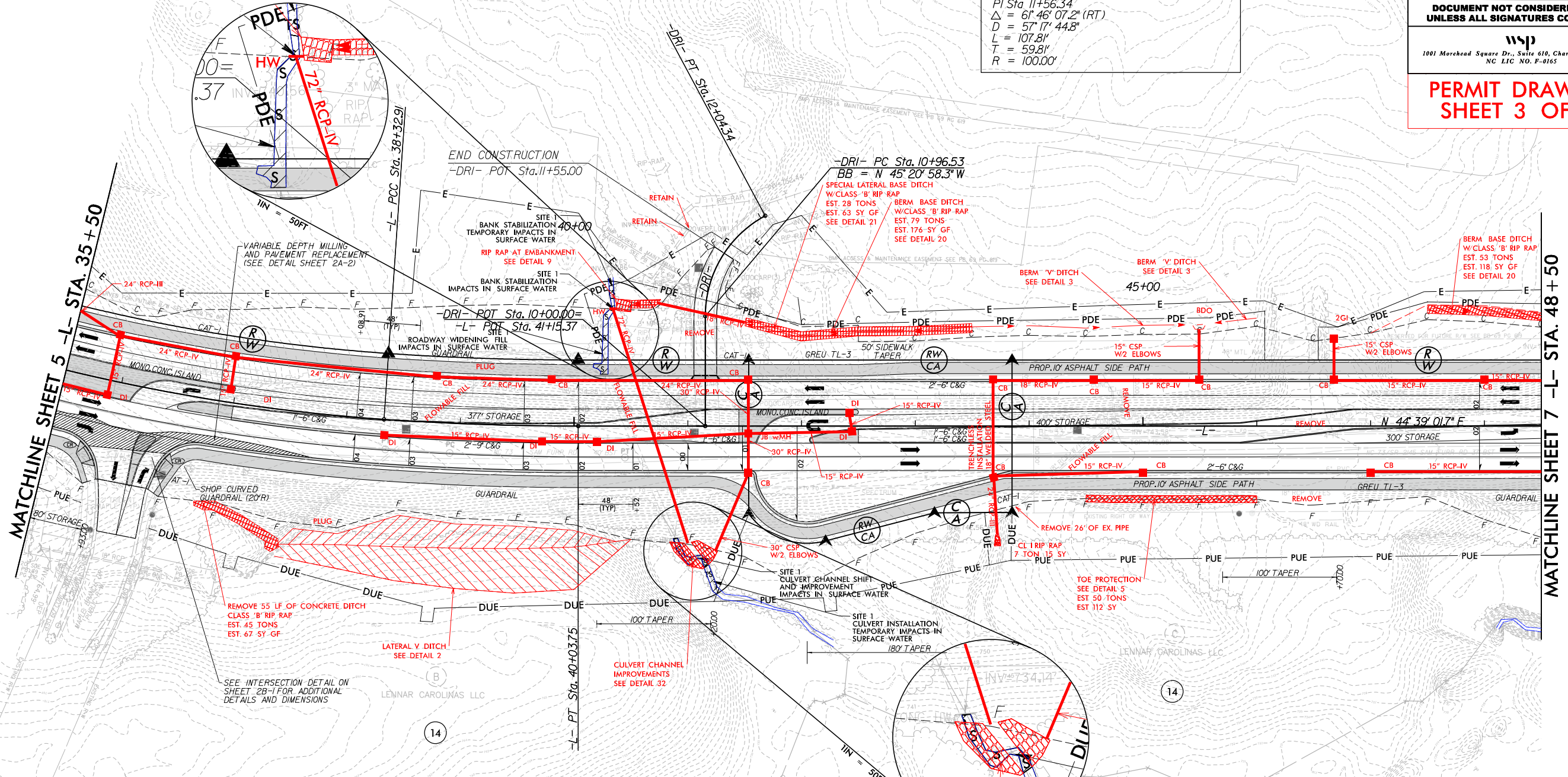
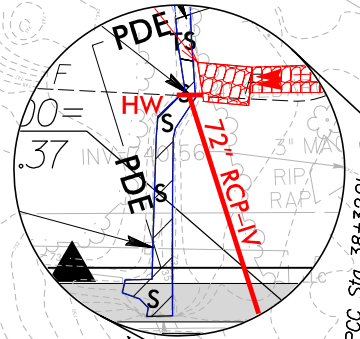
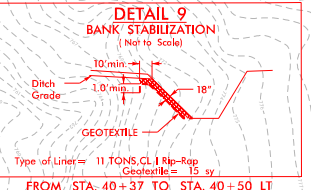
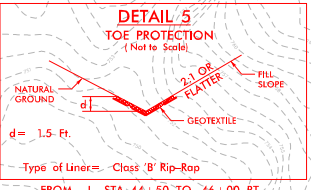
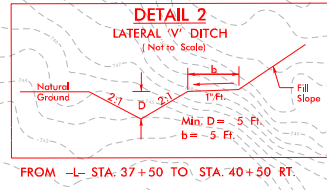
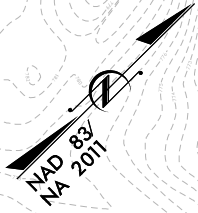
REVISIONS
 Design Rev 1: 10/04/2024 Revised several areas due to updated survey and new developments.
 R/W Rev 3: 11/26/2024 Revised R/W and TCE on parcel 8. Revised PUE and DUE on parcel 14.



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PROJECT REFERENCE NO.	SHEET NO.
R-2632AB	6
R/W SHEET NO.	RW06
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203 NC LIC NO. F-0165	

PERMIT DRAWING
SHEET 3 OF 10

-L-	
PI Sta 31+94.30 Δ = 47° 13' 06.7" (LT) D = 3' 28' 20.9" L = 1,359.80' T = 721.19' R = 1,650.00' e = 04 Lr = 192'	PI Sta 39+18.36 Δ = 3° 54' 55.8" (LT) D = 2' 17' 30.6" L = 170.85' T = 85.46' R = 2,500.00' e = 03 Lr = 144'
-DRI-	
PI Sta 11+56.34 Δ = 61° 46' 07.2" (RT) D = 57' 17' 44.8" L = 107.81' T = 59.81' R = 100.00'	



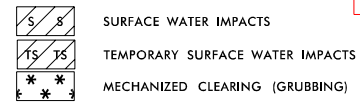
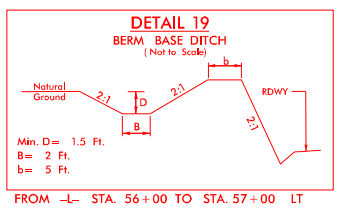
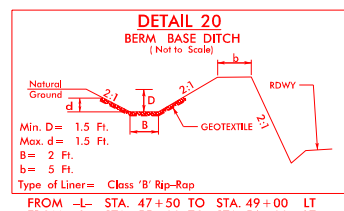
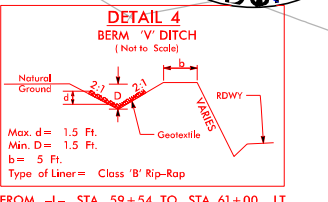
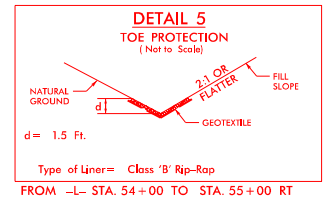
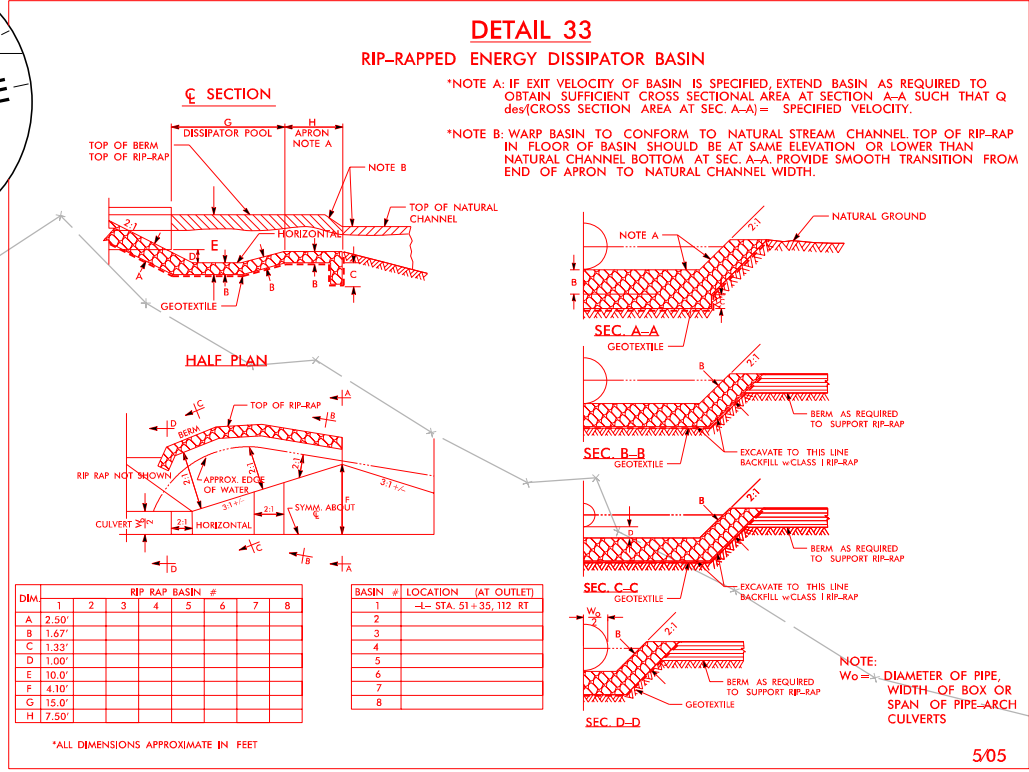
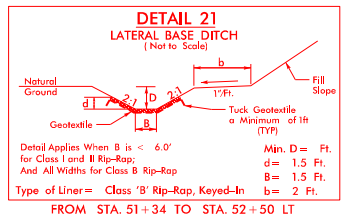
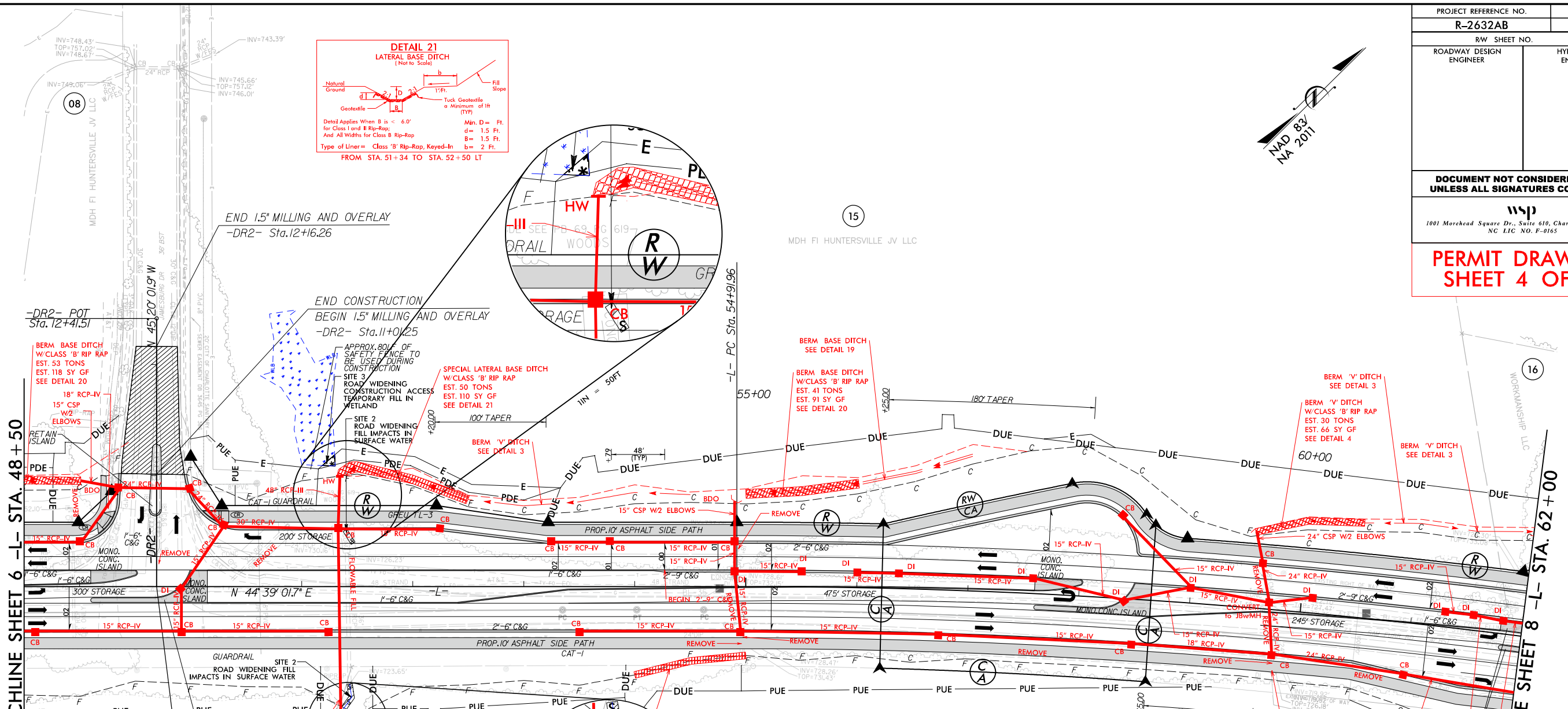
	SURFACE WATER IMPACTS
	TEMPORARY SURFACE WATER IMPACTS

NOTE:
ALL DRIVEWAY APRONS 20' UNLESS OTHERWISE NOTED.
 PROPOSED MILLING, RESURFACING, AND PAVEMENT REPLACEMENT
 PROPOSED ASPHALT SIDE PATH
 PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND
 SEE SHEET 18 & 19 FOR -L- PROFILE
 SEE SHEET 25 FOR -DRI- PROFILE

REVISIONS
 Design Rev 1: 10/04/2024 Revised several areas due to updated survey and new developments.
 R/W Rev 3: 11/26/2024 Revised R/W and TCE on parcel 8. Revised PUE and DUE on parcel 14.
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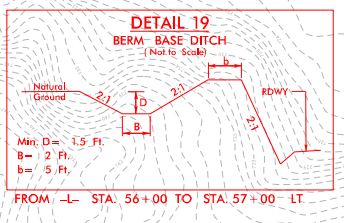
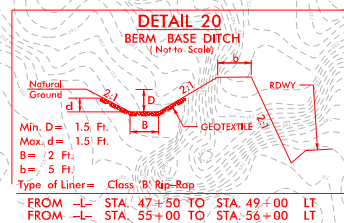
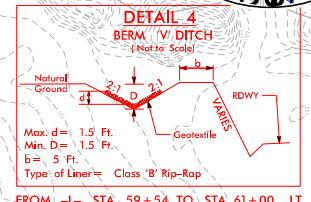
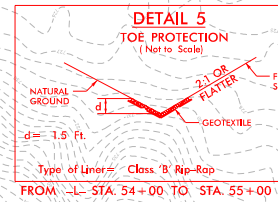
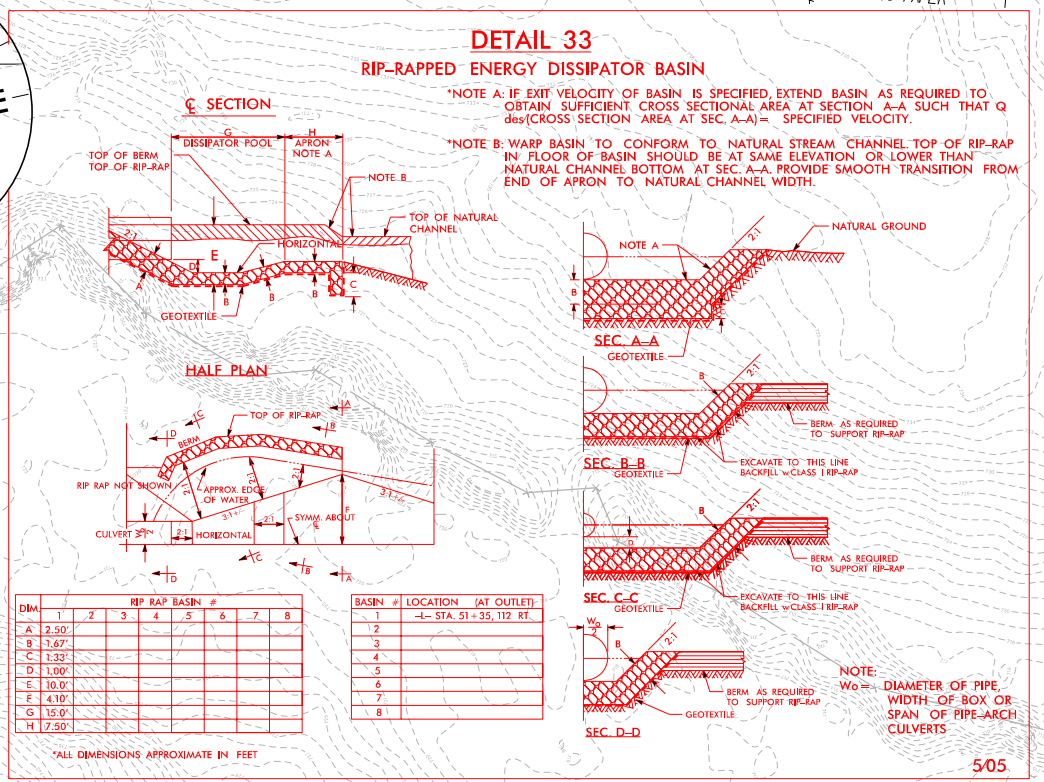
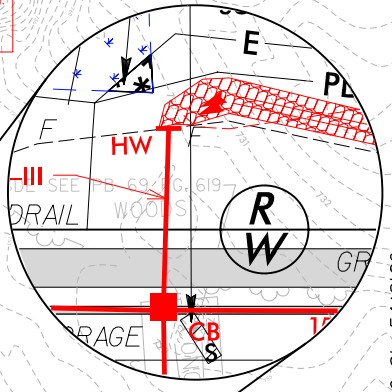
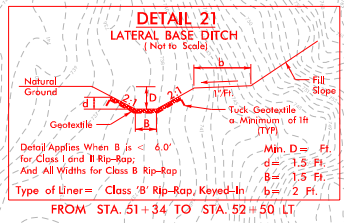
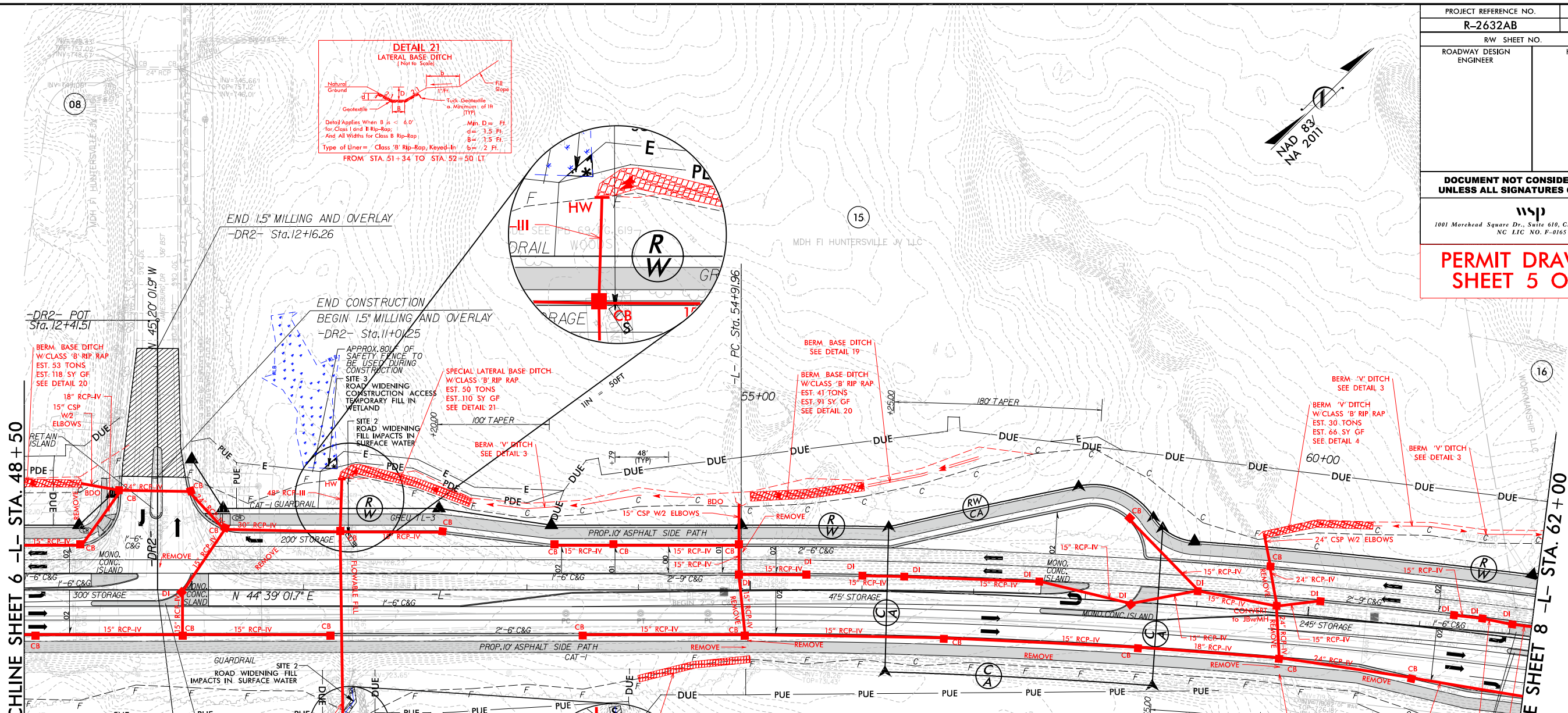
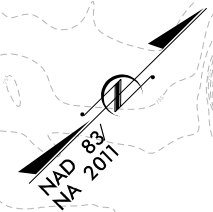
8/17/99

PERMIT DRAWING
SHEET 4 OF 10



REVISIONS
 Design Rev 1: 10/04/2024 Revised several areas due to updated survey and new developments.
 R/W Rev 3: 11/26/2024 Revised R/W on parcel 8. Revised TCE and PDE on parcel 15. Added TCE on parcel 14.

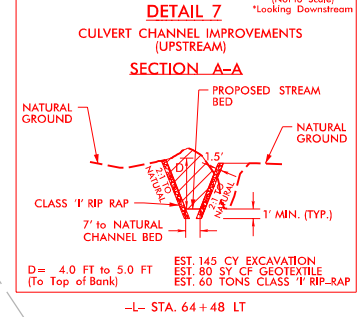
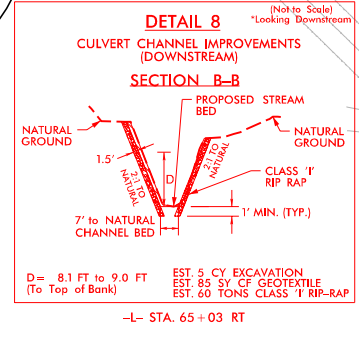
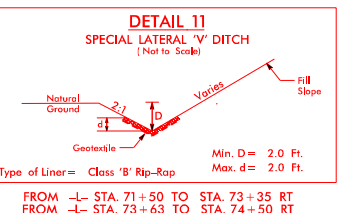
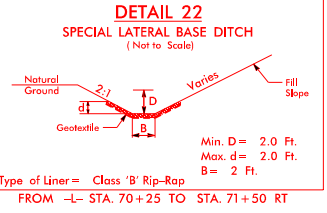
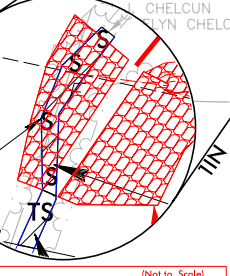
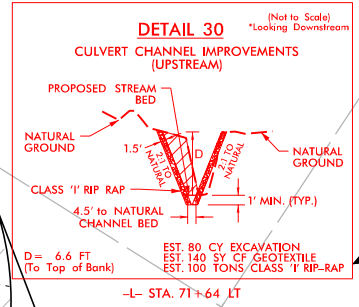
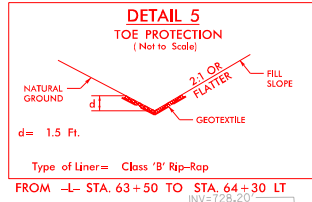
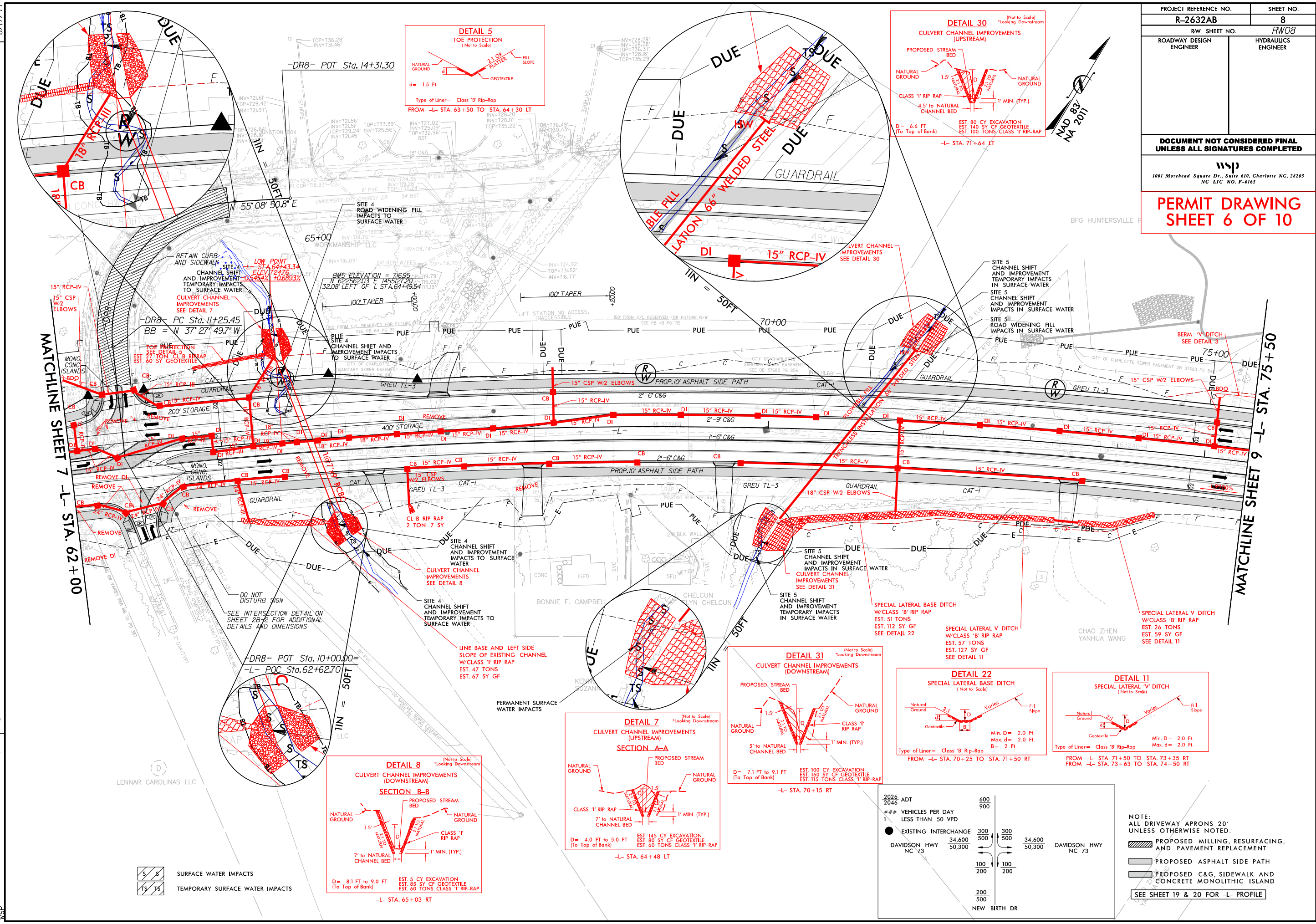
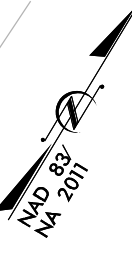
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

SURFACE WATER IMPACTS
 TEMPORARY SURFACE WATER IMPACTS
 MECHANIZED CLEARING (GRUBBING)

REVISIONS
 Design Rev 1: 10/04/2024 Revised several areas due to updated survey and new developments.
 R/W Rev 3: 11/26/2024 Revised R/W on parcel 8. Revised TCE and PDE on parcel 15. Added TCE on parcel 14.

8/17/99
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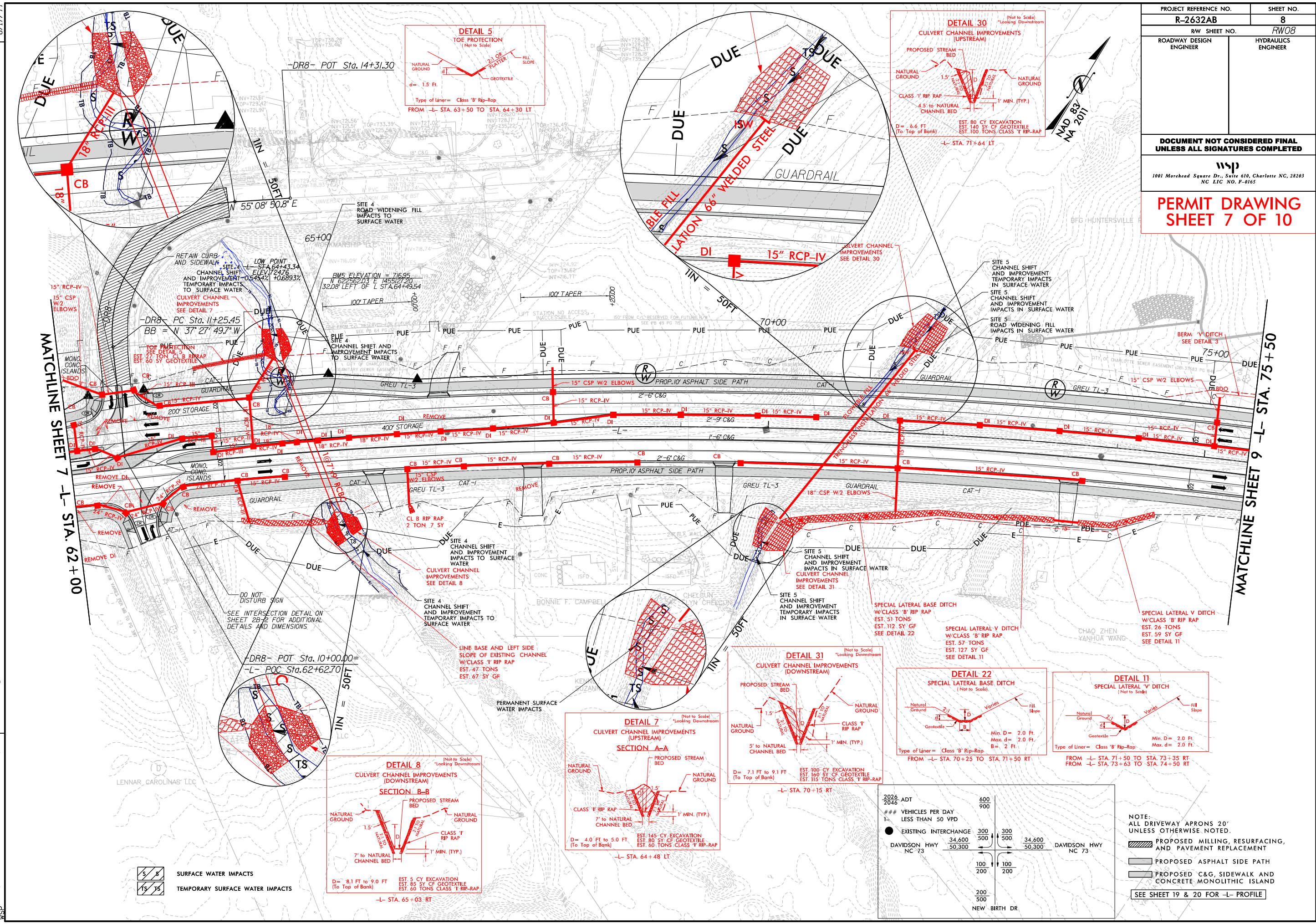


2026 ADT	600	900
2046	600	900
### VEHICLES PER DAY	LESS THAN 50 VPD	
● EXISTING INTERCHANGE	300	300
DAVIDSON HWY NC 73	34,600	50,300
	50,300	34,600
	100	100
	200	200
	500	500
	NEW BIRTH DR	

NOTE:
 ALL DRIVEWAY APRONS 20' UNLESS OTHERWISE NOTED.
 PROPOSED MILLING, RESURFACING, AND PAVEMENT REPLACEMENT
 PROPOSED ASPHALT SIDE PATH
 PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND
 SEE SHEET 19 & 20 FOR -L- PROFILE



Design Rev. 1: 10/10/2024 Revised general areas for updated survey and new developments.
 Design Rev. 2: 11/26/2024 Revised general areas for updated survey and new developments.
 R/W Rev. 1: 06/18/2025 Revised easement line, proposed TCE, proposed DUE for parcel 21.
 R/W Rev. 2: 07/22/2025 Revised easement line, proposed TCE, proposed DUE for parcel 21.
 R/W Rev. 3: 12/09/2025 Revised existing right of way, proposed TCE, and proposed DUE for parcel 21.

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Design Rev. 1: 10/01/2024 Revised general areas for updated survey and new developments.
 Design Rev. 2: 11/26/2024 Revised general areas for updated survey and new developments.
 R/W Rev. 1: 06/18/2025 Revised existing right of way, existing easement line, proposed TCE, proposed DUE for parcel 20.
 R/W Rev. 2: 07/22/2025 Revised existing right of way, existing easement line, proposed TCE, proposed DUE for parcel 21.
 R/W Rev. 3: 12/09/2025 Revised existing right of way, proposed TCE, and proposed DUE for parcel 21.

16-APR-2026 15:54
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 8/17/99

 SURFACE WATER IMPACTS
 TEMPORARY SURFACE WATER IMPACTS

2026 ADT	600
2046	900
## VEHICLES PER DAY	LESS THAN 50 VPD
● EXISTING INTERCHANGE	300
DAVIDSON HWY NC 73	50,300
	300
	500
	34,600
	50,300
	100
	200
	100
	200
	200
	500
	NEW BIRTH DR.

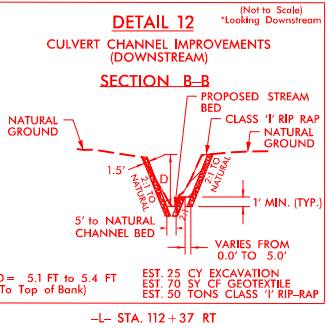
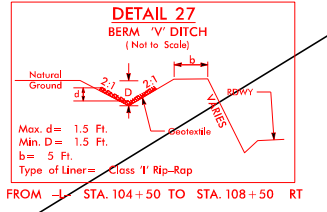
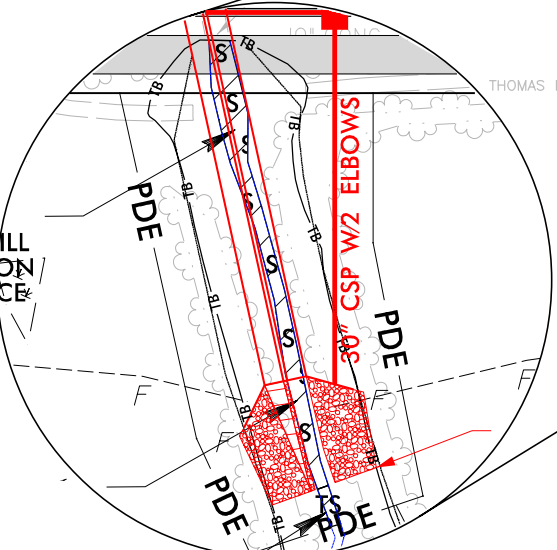
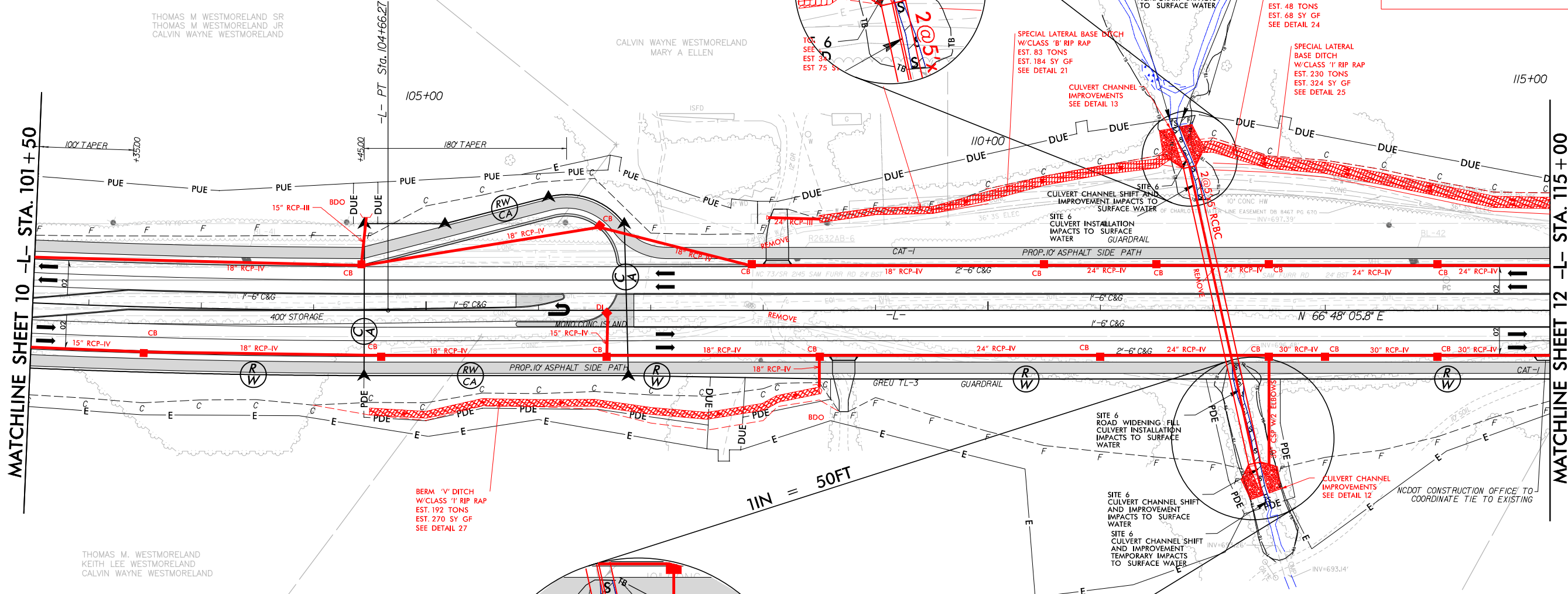
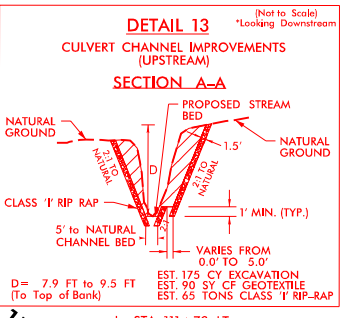
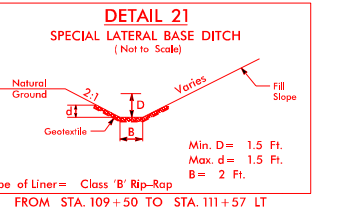
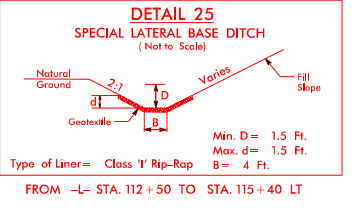
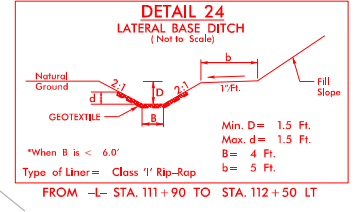
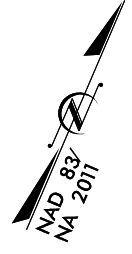
NOTE:
 ALL DRIVEWAY APRONS 20' UNLESS OTHERWISE NOTED.
 PROPOSED MILLING, RESURFACING, AND PAVEMENT REPLACEMENT
 PROPOSED ASPHALT SIDE PATH
 PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND
 SEE SHEET 19 & 20 FOR -L- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
R-2632AB	11
RW SHEET NO.	RW11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

wsp
1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203
NC LIC NO. F-0165

**PERMIT DRAWING
SHEET 8 OF 10**



- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS
- FILL IN WETLAND

- NOTE:
ALL DRIVEWAY APRONS 20'
UNLESS OTHERWISE NOTED.
- PROPOSED ASPHALT SIDE PATH
 - PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND
- SEE SHEET 20 & 21 FOR -L- PROFILE

REVISIONS

RW Rev 1: 8/9/2024, Parcel 40 has been split into two separate parcels. Parcel #77 was added
RW Rev 3: 11/26/2024 Revised TCE on parcel 41.

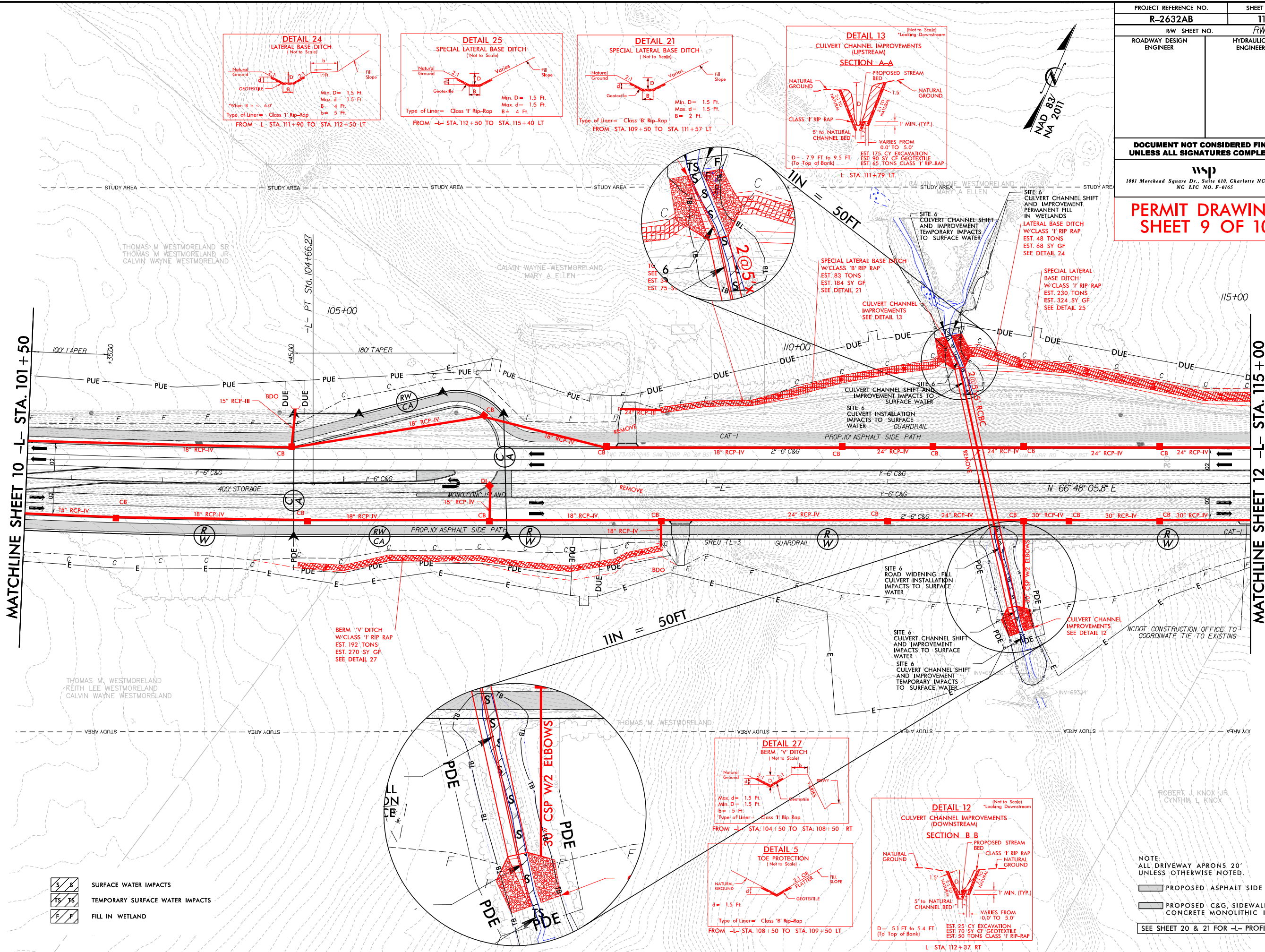
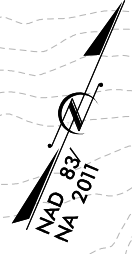
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PROJECT REFERENCE NO.	SHEET NO.
R-2632AB	11
RW SHEET NO.	RW11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203
NC LIC NO. F-0165

PERMIT DRAWING SHEET 9 OF 10



MATCHLINE SHEET 10 -L- STA. 101+50

MATCHLINE SHEET 12 -L- STA. 115+00

- SURFACE WATER IMPACTS
- TEMPORARY SURFACE WATER IMPACTS
- FILL IN WETLAND

NOTE:
ALL DRIVEWAY APRONS 20'
UNLESS OTHERWISE NOTED.

- PROPOSED ASPHALT SIDE PATH
- PROPOSED C&G SIDEWALK AND CONCRETE MONOLITHIC ISLAND

SEE SHEET 20 & 21 FOR -L- PROFILE

REVISIONS

RW Rev 1: 8/9/2024, Parcel 40 has been split into two separate parcels. Parcel #77 was added
RW Rev 3: 11/26/2024 Revised TCE on parcel 41.

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8/17/99

