



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

October 5, 2026

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for the Replacement of:
Buncombe Bridge 449 over Sugar Creek on SR 1390 (Sugar Creek Road)
Division 13, WBS DF18313.2011391.PR

Please find enclosed the following permits for this project:

Agency	Permit Type	Expiration
US Army Corps of Engineers Section 404 Clean Water Act Permit	Nationwide Permit 3 Action ID: SAW-2004-30621 Dated September 15, 2026	March 14, 2031
NC Division of Water Resources Section 401 Water Quality Certification	Certificate of Coverage 8562 [3]. Project No. 20261195 Dated: September 11, 2026.	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.

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/

404 Permit (USACE)



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
ASHEVILLE REGULATORY FIELD OFFICE
151 PATTON AVENUE, ROOM 208
ASHEVILLE, NORTH CAROLINA 28801

September 15, 2026

Regulatory Division
SAW-2004-30621

North Carolina Department of Transportation
Attention: Mr. Robert Crowther
Environmental Coordination & Permitting (Division 13)
1598 Mail Service Center
Raleigh, North Carolina 27699

Sent Via Email: recrowther@ncdot.gov

Dear Mr. Crowther,

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the U.S. Army Corps of Engineers (USACE), Wilmington District, WRDA/Transportation Branch on September 11, 2026, for a Department of the Army general permit verification. The project review area is located at 160 Sugar Creek Road (SR 1390), at Latitude 35.670139 and Longitude -82.792861; in Leicester, Buncombe County, North Carolina. This project has been assigned File No. SAW-2004-30621 and 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 the North Carolina Department of Transportation (NCDOT) structure 449 on Sugar Creek Road (SR 1390) due to damage caused by Tropical Storm Helene in September 2024. In order to accomplish this work, the NCDOT proposes to conduct the following activities in waters of the U.S.:

Summary of Proposed Impacts

Impact ID #	Activity	NWP / GP #	Open Water (ac)		Wetland (ac)		Stream (lf)	
			Temp	Perm	Temp	Perm	Temp	Perm
Site 1 (Sugar Creek)	~64 lf culvert replaced with ~86 lf culvert; both are triple-barrel pipes	<u>NWP 3</u>	--	--	--	--	--	24 lf (loss)
Site 1a (Sugar Creek)	Dewatering	<u>NWP 3</u>	--	--	--	--	10 lf	--
Site 1b (Sugar Creek)	Bank stabilization	<u>NWP 3</u>	--	--	--	--	--	47 lf
Site 1c (Sugar Creek)	Riprap for 36-inch RCP outlet	<u>NWP 3</u>	--	--	--	--	--	10 lf
Site 1d (Sugar Creek)	Dewatering	<u>NWP 3</u>	--	--	--	--	10 lf	--
Site 1e (Sugar Creek)	Bank stabilization	<u>NWP 3</u>	--	--	--	--	--	78 lf

Impact ID #	Activity	NWP / GP #	Open Water (ac)		Wetland (ac)		Stream (lf)	
			Temp	Perm	Temp	Perm	Temp	Perm
Site 2a (Stream SA)	Riprap for 36-inch RCP inlet	<u>NWP 3</u>	--	--	--	--	10 lf	--
Site 2b (Stream SA)	Riprap for 36-inch RCP outlet	<u>NWP 3</u>	--	--	--	--	--	7 lf
Impact Totals			0	0	0	0	30 lf	24 lf (loss) 142 lf (perm impacts)

We have determined that the proposed work is authorized by Nationwide Permit 3 – Maintenance 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 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 deviation from the terms and conditions of the permit, the special conditions of this letter, the information contained in the PCN, or your submitted plans, may subject the permittee to enforcement action.

This verification is valid until **March 15, 2031**, 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 approved a Programmatic Biological and Conference Opinion [Programmatic Opinion (PO)], and a Programmatic Conference Report titled "Five Imperiled Bat Species in Western North Carolina" on April 1, 2025. This PO contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that are specified in the PO. Your authorization under this USACE authorization/verification is conditional upon your compliance with all the mandatory terms and conditions associated with incidental take of the PO, which are incorporated by reference in this authorization/verification. Failure to comply with the terms and conditions associated with incidental take of the PO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with your USACE authorization/verification. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its PO, and with the ESA.

2. NCDOT 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.

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. Please reference the attached email from the North Carolina Wildlife Resources Commission dated September 9, 2026. No trout moratorium would be required for this proposed project. However, we highly recommend you adhere to the recommendations in this email to further reduce impacts to the aquatic community.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Brooke Davis, Regulatory Project Manager of the WRDA/Transportation Branch at 828-271-7980 ext. 4232, by mail at the above address, or by email at brooke.a.davis@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

Copies furnished (via email only):

Wesley Williams, North Carolina Division of Water Resources
Dave McHenry, North Carolina Wildlife Resources Commission

The maximum estimate for tree clearing per structure replacement location is 0.10 acre. That amount will likely be less at most locations, given the variability in site conditions and the extreme scour (and resulting loss of riparian vegetation) during TS Helene flooding. The season during which clearing will occur is not known for each location but is assumed to occur during any time of year, including summer months. Clearing and grading will occur to allow for access roads and general construction functionality.

Where damaged structures or portions of damaged structures remain in place, demolition will occur. The details of demolition activities and seasonality of demolition will vary by project, with an assumption that these activities will occur during any time of year, including summer months.

2.3 Avoidance and Minimization and Conservation Measures

NCDOT will employ the following agency standards, guidelines, and best practices to avoid and minimize project-mediated activities that could negatively impact listed/proposed species or their habitat.

2.3.1 Avoidance and minimization measures (AMMs)

General (regardless of species): The following General AMMs will be implemented on all projects to minimize impacts to listed/proposed species and habitat:

- General AMM1 -NCDOT will ensure all operators, employees, and contractors working in areas of suitable habitat for federally listed/proposed species are aware of all NCDOT environmental commitments, including all applicable AMMs and all associated NCDOT guidance documents.
- General AMM2 - Best management practices (BMP) and sediment and erosion control (SEC) measures will be utilized to prevent non-point source pollution, control storm water runoff, and minimize sediment damage to avoid and reduce overall water quality degradation.
- General AMM3 - Areas of disturbance, such as tree clearing, grubbing, and grading, will be limited to the maximum extent possible.

Bats - General AMMs will minimize impacts to listed/proposed bats. **To the maximum extent possible**, the following AMMs will also be incorporated into project work – though implementation of all bat AMMs below cannot be guaranteed at the time of this consultation, given the scale, scope, and timeline constraints addressed previously:

- Bat AMM Noise - Percussive activities will occur only after the tree clearing within the action area has been completed, helping to reduce the exposure of any tree-roosting bats within the action area to high decibel noise.
- Bat AMM Lighting - No new permanent lighting will be added to the action area. Any lighting needed for night work will be directed at the work area and shielded from surrounding waters/landscape, only on when needed, no brighter than necessary, and blue light emissions will be limited.
- Bat AMM Riparian Planting – Disturbed riparian areas will be replanted with native, fast-growing tree and shrub species where feasible, with the understanding that plantings likely cannot be done in utility/drainage/construction easements.

Davis, Brooke A CIV (USA)

From: Beckwith, Loretta A CIV USARMY CESAW (USA)
Sent: Wednesday, September 9, 2026 3:50 PM
To: Davis, Brooke A CIV (USA)
Subject: FW: [Non-DoD Source] WRC Comments for NCDOT / Helene Structure 449 / Sugar Creek / Sugar Creek Road (SR 1390) / Buncombe / Div 13 / DF18313.2011391.PR

WRC for Bridge 449 (this is the one that we'll talk about tomorrow).

Thanks!

From: McHenry, David G <david.mchenry@ncwildlife.gov>
Sent: Wednesday, September 9, 2026 3:39 PM
To: Beckwith, Loretta A CIV USARMY CESAW (USA) <Loretta.A.Beckwith@usace.army.mil>; Annino, Amy <amy.annino@deq.nc.gov>
Cc: Turchy, Michael A <maturchy@ncdot.gov>; Allen, Yates <ryallen@ncdot.gov>
Subject: [Non-DoD Source] WRC Comments for NCDOT / Helene Structure 449 / Sugar Creek / Sugar Creek Road (SR 1390) / Buncombe / Div 13 / DF18313.2011391.PR

As noted in scoping comments, the trout moratorium should not be needed with this work. This site is in a "trout watershed" and there are a few records for trout in the upper Sandymush watershed. But the records are old and aquatic habitat is highly impacted in Sugar Creek.

It appears that the low flow barrel will have 1' sills, though I didn't see that design specifically called out. If they are not included, then the WRC recommends adding them and backfilling (rip rap/native mix) the culverts. This would be generally consistent with hydraulic design guidelines.

Thanks

Dave McHenry

NCWRC Western DOT Coordinator

828-476-1966



JOSH STEIN
Governor
D. REID WILSON
Secretary
MARC RECKTENWALD
Director



September 2, 2026

Mr. Robert Crowther
Environmental Analysis Unit
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Mr. Crowther:

Subject: Mitigation Acceptance Letter:

Replace Bridge 449 on SR 1390 (Sugar Creek Road) over Sugar Creek – Helene Recovery, Buncombe County, WBS DF18313.2011391.PR

The purpose of this letter is to notify you that the North Carolina Department of Environmental Quality – Division of Mitigation Services (NCDEQ-DMS) will provide the mitigation for the subject project. Based on the information received from you on September 1, 2026, the impacts are located in CU 06010105 of the French Broad River basin, and are as follows:

Stream and Wetlands	Service Area	Stream			Wetlands		
		Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh
Impacts	French Broad 06010105	0	24.000	0	0	0	0

*Some of the stream and/or wetland impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

This impact and associated mitigation needs were not projected by the NCDOT in the 2026 impact dataset. NCDMS commits to implementing sufficient mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies in accordance with the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from NCDEQ-DMS.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-707-8420.

Sincerely,

Elizabeth A. Harmon
DMS NCDOT ILF Coordinator

cc: Mr. Scott Jones, USACE
Ms. Faith Hardin, NCDWR
Mr. Brad Chilton, NCDOT – EAU
File: SR 1390 – Bridge 449 – Division 13



North Carolina Department of Environmental Quality | Division of Mitigation Services
217 West Jones Street | 1652 Mail Service Center | Raleigh, North Carolina 27699-1652
919.707.8976

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 brooke.a.davis@usace.army.mil or by mail at the below address: U.S. Army Corps of Engineers Wilmington District Office, Asheville Field Office 151 Patton Avenue, Room 208 Asheville, North Carolina 28801		
COMPLETED BY THE CORPS		
Corps Action Number:	SAW-2004-30621	
Permit Type:	Nationwide Permit	
General Permit Number and Name (<i>if applicable</i>):	3-Maintenance	
Name of Permittee:	NC Department of Transportation	
Project Name:	Helene Structure 449, Sugar Creek Rd (SR 1390), Buncombe/Div 13/DF18313.2011391.PR	
Project Location (<i>physical address</i>):	160 Sugar Creek Road Leicester, North Carolina	
PERMITTEE'S CERTIFICATION		
Date Work Started: _____ Date Work Completed: _____		
Enclose photographs showing the completed project (<i>if available</i>).		
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



NORTH CAROLINA
Environmental Quality

September 11, 2026

DWR # 20261195
Buncombe County

North Carolina Department of Transportation
Attn: Robert Crowther
1598 Mail Service Center
Raleigh, NC 27699

Delivered via email to: recrowther@ncdot.gov

Subject: Certificate of Coverage Approval under Water Quality General Certification No. 8562
Helene Structure 449 / Sugar Creek Road (SR 1390)

Location: Lat. 35.670139/Long. -82.792861

Dear Mr. Crowther:

This Certificate of Coverage approval is issued to Robert Crowther and the North Carolina Department of Transportation, dated September 11, 2026. This Certificate of Coverage authorizes work under General Certification No. 8562 for the impacts listed below and described in your application which was received by the N.C. Division of Water Resources on September 3, 2026 with fee received on September 3, 2026. This certificate is for the purpose and design described in your application. This approval requires you to follow all the conditions listed in the enclosed General Certification No. 8562.

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.

Upon completion of the proposed project, the applicant shall submit a Certificate of Completion and/or shall provide as-built documentation. Certificates of Completion and/or as-built documentation can be submitted via the DWR website: <https://edocs.deq.nc.gov/Forms/Certificate-of-Completion>.



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

The following impacts are hereby approved. No other impacts are approved, including incidental impacts. [15A NCAC 02H .0506(b)]

Type of Impact	Amount Approved Permanent	Amount Approved Temporary	Mitigation Amount Required
Perennial Streams			
Site 1A/ Sugar Creek/Dewatering	0	10	0
S1B/ Sugar Creek/ Bank Stabilization	47	0	0
S1E/ Sugar Creek/ Bank Stabilization	78	0	0
S1C/ Sugar Creek/ RCP outlet	10	0	0
S1D/ Sugar Creek/ Dewatering	0	10	0
S2A/ SA/ RCP Inlet	0	10	0
S2B/SA/ RCP Outlet	7	0	0
S1/ Sugar Creek/ Culvert	24	0	0
Totals:	166 linear feet	30 linear feet	0 credits

Notice regarding the right to contest this 401 Water Quality Certification decision is attached to this letter.

This letter completes the Division's review under Section 401 of the Clean Water Act and 15A NCAC 02H .0500. Please contact Wesley Williams at 336-813-9619 or Wesley.williams@deq.nc.gov if you have any questions or concerns.

Sincerely,

Signed by:

Faith Hardin
3185423002EA45E...

Faith Hardin, Supervisor
401 & Buffer Permitting Transportation Branch
Division of Water Resources, NCDEQ

Enclosures: Notice Regarding The Right To Contest A DWR 401 Water Quality Certification Decision
And/Or Buffer Authorization
GC 8562

Electronic cc: Lori Beckwith, USACE Asheville Regulatory Field Office
Dave McHenry, NCWRC
DWR 401 & Buffer Permitting Branch Electronic file



**NOTICE REGARDING THE RIGHT TO CONTEST A DWR 401 WATER QUALITY
CERTIFICATION AND/OR BUFFER AUTHORIZATION**

Right of Persons Aggrieved to File a Contested Case for the Decision on a 401 Water Quality Certification and/or Buffer Authorization:

The Division's decision is subject to review under NCGS 150B-23.

Rights of Persons Aggrieved to File a Contested Case: Pursuant to NCGS 150B, Article 3, a party or person aggrieved may commence a contested case by filing a petition under NCGS 150B-23 in the Office of Administrative Hearings within 60 days after the Division provides notice of its decision on an application, as provided in NCGS 150B-23(f). If no contested case is commenced within the required time, the Division's decision is final and is not subject to review.

General Filing Instructions: A petition for contested case hearing must be in the form of a written petition, conforming to NCGS 150B-23, and filed with the Office of Administrative Hearings, 1711 New Hope Church Road, Raleigh NC, 27609, along with a fee in an amount provided in NCGS 150B-23.2. A petition for contested case hearing form may be obtained upon request from the Office of Administrative Hearings or on its website at <https://www.oah.nc.gov/hearings-division/filing/hearing-forms>. Additional specific instructions for filing a petition are set forth at 26 NCAC Chapter 03.

Service Instructions: A party filing a contested case is required to serve a copy of the petition, by any means authorized under 26 NCAC 03 .0102, on the process agent for the Department of Environmental Quality:

Daniel Hirschman, General Counsel
North Carolina Department of Environmental Quality
1601 Mail Service Center
Raleigh, North Carolina 27699-1601

If the party filing the petition is a person aggrieved other than the recipient of the certificate (the "Permittee"), the party must also serve the Permittee in accordance with NCGS 150B-23(a).

Be aware that other rules or laws may apply to the filing of a petition for a contested case. Additional information is available at <https://www.oah.nc.gov/hearings-division/hearing-process/filing-contested-case>. Please contact the Office of Administrative Hearings at (984) 236-1850 with all questions regarding the filing fee and/or the details of the filing process.



Permitted Drawings



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN

FOR NCDOT PROJECTS



(Version 3.03; Released June 1, 2026)

WBS Element: DF18313.2011391.F TIP/Proj No: EEDB 00226.005 County(ies): Buncombe Page 1 of 2

General Project Information

WBS Element:	DF18313.2011391.PR	TIP Number:	EEDB 00226.005	Project Type:	Bridge Replacement	Date:	6/24/2026
NCDOT Contact:	Joel M. Davis			Contractor / Designer:	DRMP / Ryan P. Mitchell		
	Address: Assistant Division Bridge Program Manager 20 Old 74 Asheville, NC 28803				Address: 5808 Faringdon Place Suite 100 Raleigh, NC 27609		
	Phone: (828) 488-0902				Phone: (919) 650-1038		
	Email: (828) 488-0902				Email: rmitchell@drmp.com		
City/Town:	N/A			County(ies):	Buncombe		
River Basin(s):	French Broad			CAMA County?	No		
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	0.077 mi	Surrounding Land Use:	Rural with forested land and a few residential parcels	
	Proposed Project		Existing Site	
Project Built-Upon Area (ac.)	0.2	ac.	0.2	ac.
Typical Cross Section Description:	The roadway consists of a 20-foot crowned two-lane roadway with 2-foot grass shoulders on each side. Stormwater is conveyed beneath the roadway by a proposed triple-barrel 112" x 75" corrugated metal pipe arch (CMPA) culvert with headwalls.		Roadway consists of an approximately 18-foot-wide crowned two-lane roadway. Stormwater is conveyed beneath the roadway by an existing triple-barrel 73" x 55" corrugated steel pipe arch (CSPA) culvert, approximately 64 feet in length.	
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	Year:	Existing:	Year:

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

The North Carolina Department of Transportation (NCDOT) proposes to replace structure #100449 on SR-1390 (Sugar Creek Rd) across Sugar Creek. The project is located in Buncombe County, northwest of the town of Leicester, NC. The project is an in-line replacement of the existing triple barrel culvert with an on-site detour route. Additional drainage improvements are proposed upstation/downstation of the proposed culvert. Rip rap / bank stabilization at pipe outlets and the proposed culvert embankment has been incorporated to minimize erosion on slopes where vegetation will not be adequate. NCDOT standards for ground cover, vegetation, and slope stabilization will be adhered to during the life of this project, and will be specified in the NCDOT Erosion and Sediment Control Plan for the project.



North Carolina Department of Transportation

Highway Stormwater Program
STORMWATER MANAGEMENT PLAN
FOR NCDOT PROJECTS

(Version 3.03; Released June 1, 2026)

WBS Element: DF18313.2011391.F TIP/Proj No.: EEDB 00226.005

County(ies): Buncombe

Page 2 of 2

General Project Information

Waterbody Information

Surface Water Body (1):	Sugar Creek		NCDWR Stream Index No.:	6-92-8	
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C		
	Supplemental Classification:				
Other Stream Classification:	None				
Impairments:	None				
Aquatic T&E Species Habitat?	No	Comments:			
NRTR Stream ID:	N/A		Buffer Rules in Effect:	N/A	
Project Includes Bridge Spanning Water Body?	No	Deck Drains Discharge Over Buffer?	No	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 Habitat?		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 Habitat?		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)					



100449

2CONST.04

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BUNCOMBE COUNTY

ROADWAY DESIGN UNIT

ROADWAY DESIGN
ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

HYDRAULICS
ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PREPARED BY

DRMP

DRMP, INC.
5808 FARMINGTON PLACE
RALEIGH, NC 27609
(919) 872-3113 www.drmp.com
NC LICENSE NO. F-1524

SITE 2

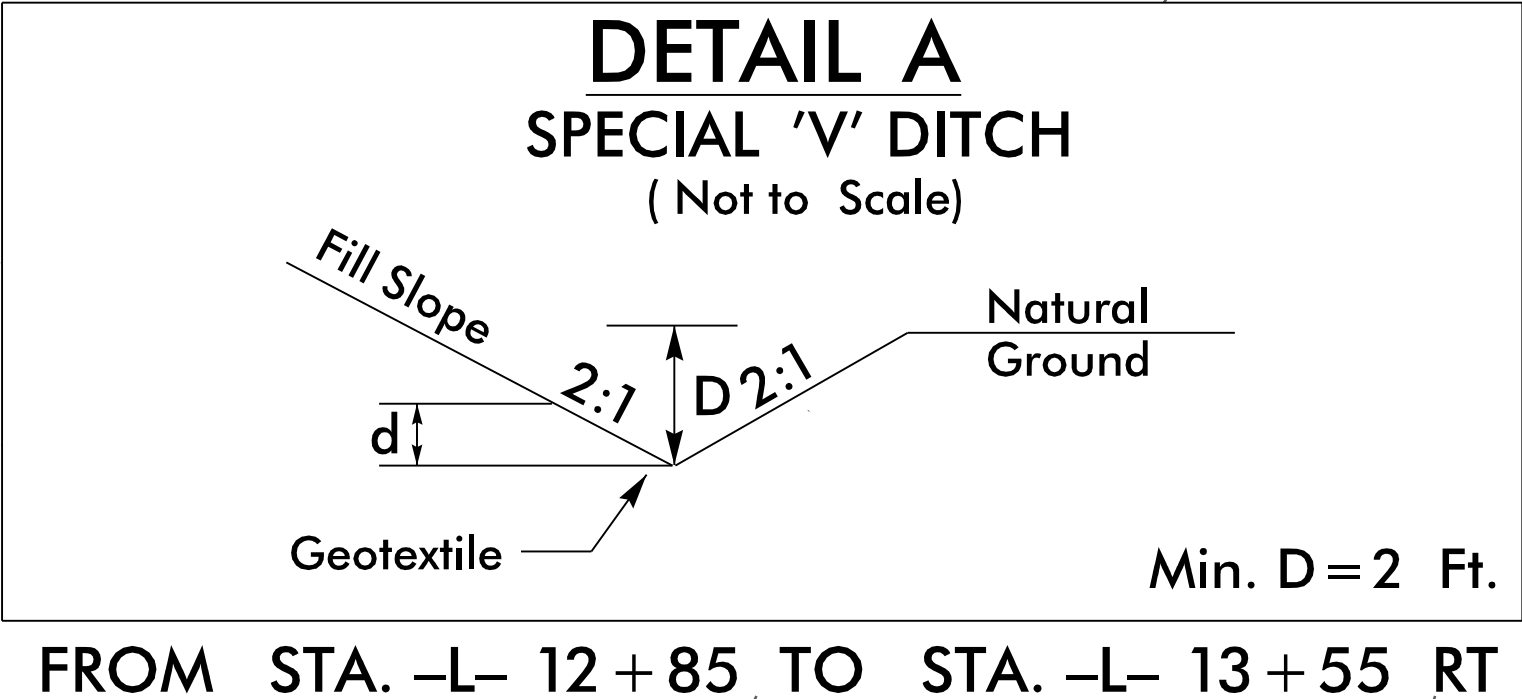
SITE 1

END PROJECT 100449
-L- POC 14+35.00

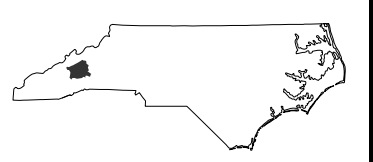
BEGIN PROJECT 100449
-L- POC 10+30.00

TIMOTHY W. KING
DB 4641 PG 1910
PB 122 PG 128
PB 176 PG 106
PB 210 PG 188

TIMOTHY W.
DB 4641 PG
PB 122 PG
PB 176 PG
PB 210 PG



- NOTES:
- ON-SITE DETOUR TO BE REMOVED ONCE TRAFFIC RELOCATED TO SUGAR CREEK RD (SEE TMP). AREA TO BE REGRADED TO PRE-CONSTRUCTION CONDITIONS AND SEEDED AS NECESSARY.



SITE 2

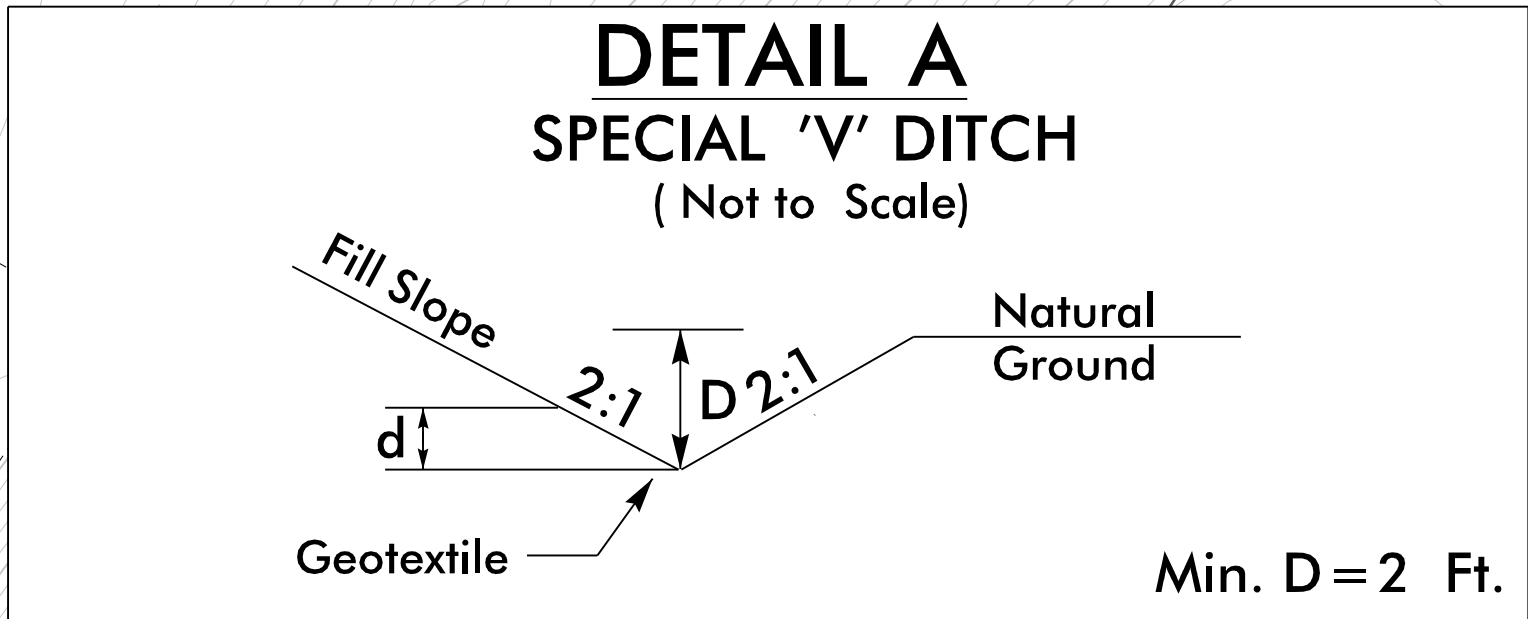
SITE 1

END PROJECT 100449
-L- POC 14+35.00

BEGIN PROJECT 100449
-L- POC 10+30.00

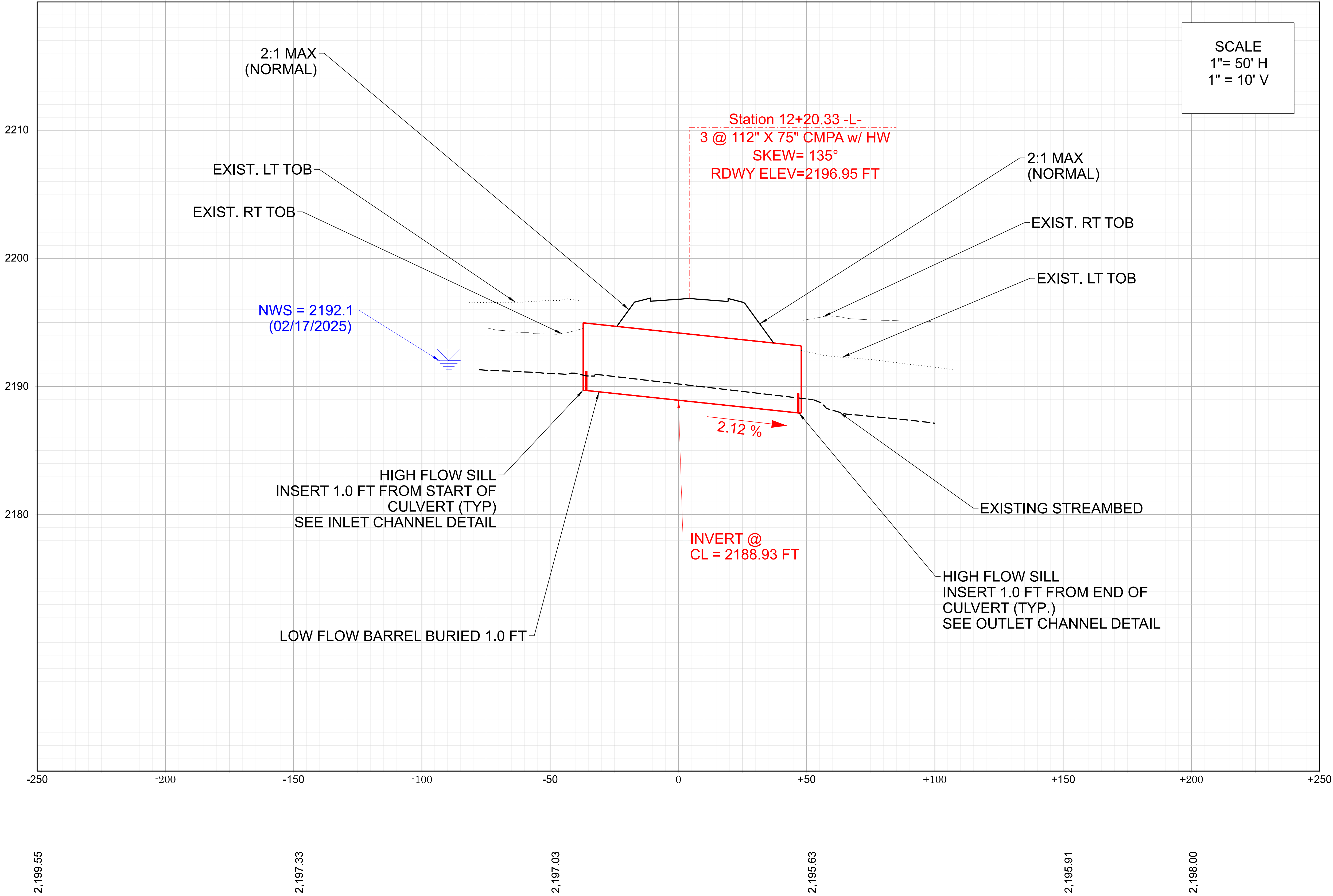
TIMOTHY W. KING
DB 4641 PG 1910
PB 122 PG 128
PB 176 PG 106
PB 210 PG 188

TIMOTHY W.
DB 4641 PG
PB 122 PG
PB 176 PG
PB 210 PG



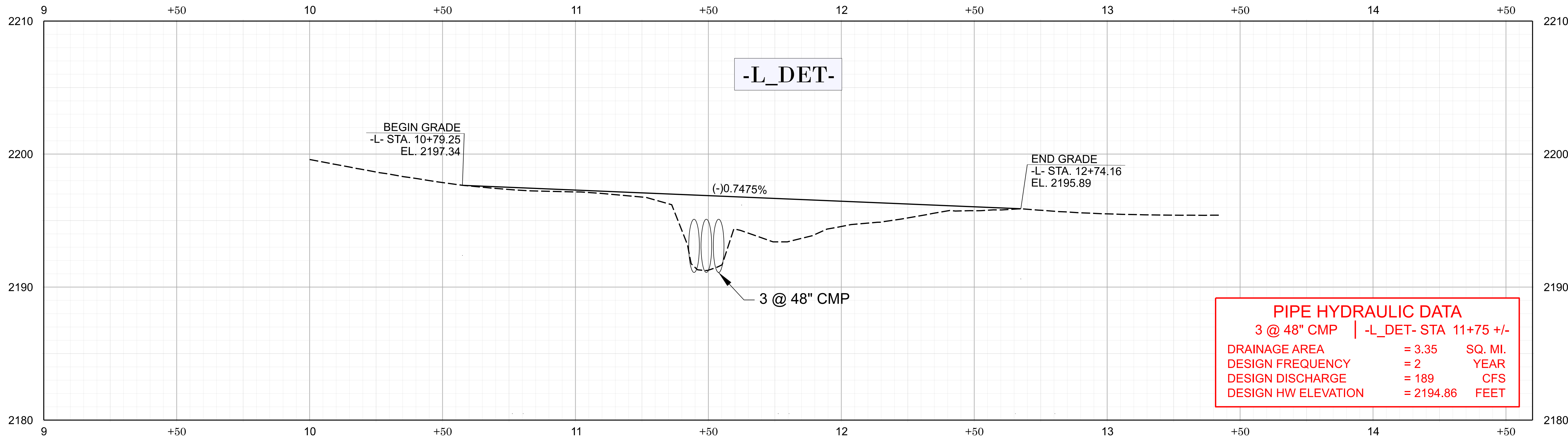
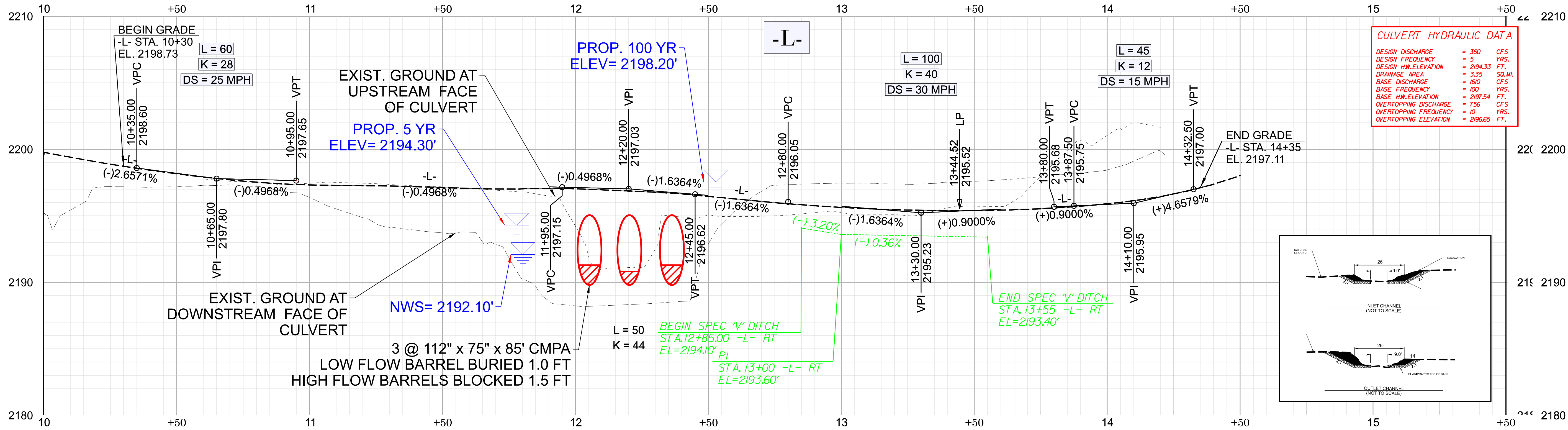
FROM STA. -L- 12+85 TO STA. -L- 13+55 RT

- NOTES:
- ON-SITE DETOUR TO BE REMOVED ONCE TRAFFIC RELOCATED TO SUGAR CREEK RD (SEE TMP). AREA TO BE REGRADED TO PRE-CONSTRUCTION CONDITIONS AND SEEDED AS NECESSARY.



NOTE: CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES

PERMIT DRAWING
SHEET 5 OF 6



100449
5 28-1
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BUNCOMBE COUNTY
ROADWAY DESIGN UNIT
ROADWAY DESIGN
ENGINEER
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
HYDRAULICS
ENGINEER
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED
PREPARED BY
DRMP
DRMP, INC.
5808 FARMINGTON PLACE
RALEIGH, NC 27609
(919) 872-3113 www.drmp.com
NC LICENSE NO. F-1524

REVISIONS

WETLAND AND SURFACE WATER IMPACTS SUMMARY												
			WETLAND IMPACTS					SURFACE WATER IMPACTS				
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 11+32.30/11+43.24	Upstream of Project							< 0.01		10	
1b	-L-11+43.24/11+81.37	Bank Stabilization/Culvert						0.02		51		
1e	-L- 12+29.79/13+43.91	Bank Stabilization/Culvert						0.02		98		
1c	-L- 13+65.18/13+76.85	36" RCP Outlet						< 0.01		10		
1d	-L- 13+76.85/13+88.51	Downstream of Project							< 0.01		10	
2	-L- 10+85.21/10+92.81	36" RCP Inlet							< 0.01		10	
2b	-L- 11+58.23/11+68.74	36" RCP Outlet						< 0.01		7		
TOTALS*:								0.05	< 0.01	166	30	0

NOTES:

Linear impacts were measured along stream centerline.

Linear permanent impacts supersede temporary impacts where the two overlap along stream centerline.

Site 1b has 34 LF of temporary impact overlap.

SHEET 6 OF 6