



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

DANIEL H. JOHNSON
SECRETARY

July 1, 2026

MEMORANDUM TO: Division Environmental and Construction Units

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

SUBJECT: Environmental Permits for the Replacement of:
Bridge 157 over Elk Shoal Creek on Elk Shoals Creek Road (SR 1388) in
Yancey County, Division 13, WBS DF18313.2100309.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-2026-00939 Dated July 1, 2026	March 14, 2031
NC Division of Water Resources Section 401 Water Quality Certification	Water Quality Certification No. 8562 [3] Project ID: 20260608 Dated June 26, 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.

404 Permit (USACE)



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WILMINGTON DISTRICT
WRDA / TRANSPORTATION BRANCH
3331 HERITAGE TRADE DR, SUITE 105
WAKE FOREST NC 27587

July 1, 2026

Regulatory Division
SAW-2026-00939

Sent Via email: recrowther@ncdot.gov

Robert Crowther
NCDOT
1598 Mail Service Center
Raleigh, NC 27699

Dear Mr. Crowther:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Wilmington District, WRDA / Transportation Branch on May 15, 2026, for a Department of the Army Nationwide Permit (NWP) verification. This project has been assigned the file number SAW-2026-00939 and is known as NCDOT / Hurricane Helene / DF18313.2100309.PR / Br 157 / SR 1388 / Yancey / Div 13. 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 a new single-span, 18 foot-long bridge to replace the existing bridge that was damaged by Hurricane Helene, in the same location as the previous bridge. A temporary crossing will serve Elk Shoals Creek Road as this roadway has no outlet. Additionally, a second temporary crossing is required to serve a driveway. Aquatic resource impacts to Elk Shoals Creek are described in Table 1. The project area for this determination is illustrated on the enclosed permit drawings. The project is located at Bridge No. 157 over Elk Shoals Creek, on SR 1388, Elk Shoals Creek Road, at Latitude 35.950860 and Longitude -82.405610; west of Burnsville, Yancey County, North Carolina.

Table 1: Impacts:

Permit site	Duration	Amount (linear feet; acre)
Site 1 Detour Driveway Culvert	Temporary	34; 0.0039
Site 1b 18' RCP Outlet Riprap	Permanent	30; 0.0007
Site 1c Class II Rip Rap Abutment	Permanent	16; 0.0004
Site 1d Bridge opening riprap	Permanent	28; 0.0006
Site 1e Rip Rap Abutment	Permanent	20; 0.0005
Site 1f Detour Culvert	Temporary	66; 0.0076

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 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. **NCWRC:** All recommendations in the attached letter from the North Carolina Wildlife Resources Commission dated May 21, 2026, are hereby incorporated as special conditions of this permit.
2. **Gray bat, Northern long-eared bat, Tricolored bat:** The permittee must comply with all conservation measures in the PBO titled "Programmatic Biological and Conference Opinion and Programmatic Conference Report, Five Imperiled Bat Species in Western North Carolina", dated April 1, 2025.

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 Eric Alsmeyer, Project Manager of the WRDA / Transportation Branch at 919-817-1570, by mail at the above address, or by email at eric.c.alsmeyer@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

Enclosures

<p>U.S. Army Corps of Engineers (USACE)</p> <p>CERTIFICATION OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT</p> <p>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.</p>	<p><i>Form Approved -</i></p> <p><i>OMB No. 0710-0003</i></p> <p><i>Expires 2027-10-31</i></p>
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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 Enter Email Name@usace.army.mil or by mail at the below address:

U.S. Army Corps of Engineers
 Wilmington District Office
 Street Address: 3331 Heritage Trade Dr, Suite 105
 City: Wake Forest State: NC Zip Code: 27587

COMPLETED BY THE CORPS

Corps Action Number:	SAW-2026-00939
Permit Type: <u>General Permit</u>	
General Permit Number and Name (if applicable):	<u>NWP 3</u>
Name of Permittee:	<u>Robert Crowther</u>
Project Name:	<u>NCDOT / Hurricane Helene / DF18313.2100309.PR / Br 157 / SR 1388 / Yancey / Div 13</u>
Project Location (physical address):	<u>Elk Shoals Creek Road</u> <u>Burnsville, North Carolina</u>

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
------	------	-----------

The NCWRC requests that the following conditions be included in authorizations to help conserve trout and other aquatic resources affected by the project:

1. The upcoming moratoria for Rainbow Trout (January 1, 2027 to April 15, 2027, and subsequent moratorium periods), should be adhered to for instream disturbance.
2. Applicable measures from the current *NCDOT Erosion and Sediment Control Design and Construction Manual* should be adhered to. *Design Standards in Sensitive Waters* should be incorporated into the erosion control of this project to target 25-year performance (see part (d) of 15A NCAC 04B .0124).
3. In accordance with standard GC conditions, matting used in riparian areas should not contain nylon mesh because it entangles and kills wildlife. Coir matting should be used on disturbed stream banks that are steep or susceptible to high water. Matting should be anchored with wooden stakes according to NCDOT specifications.
4. Sandbags, rock berms, cofferdams, or other diversion structures should be used whenever possible to isolate flowing water from in-channel construction.
5. Temporary detours should be removed and the profile and dimensions of the channel restored to natural conditions using native bed material.
6. Placement of additional rip rap on streambanks should only extend to the ordinary high water elevation and matting and vegetation should be used above the ordinary high water elevation.

Thank you for the opportunity to review and provide recommendations on this project. Please contact me at david.mchenry@ncwildlife.gov or (828) 476-1966 if you have any questions about these comments.

Sincerely,



Dave McHenry, NCWRC Western DOT Coordinator

cc: Yates Allen, NCDOT Division 13 Environmental Specialist II
Mike Sanderson, NCDOT Division 13 Environmental Supervisor
Rob Crowther, NCDOT ECAP

Measures incorporated by way of 404 Condition No. 2:

Bat CM - Tree Clearing Bat Fund Contribution: For individual bridge projects likely to adversely affect bat species during tree removal, the NCDOT will contribute a payment* to the N.C. Nongame Terrestrial Species Fund (or other Service-approved fund) in support of the recovery of federally protected bat species.

Bat CM Structure Removal Bat Fund Contribution: For individual bridge projects that are LAA bat species during structure removal, the NCDOT will contribute a payment** to the N.C. Nongame Terrestrial Species Fund (or other Service-approved Fund) in support of the recovery of federally listed bat species.

*Contributions made will be based on a 2:1 ratio multiplier specified for the non-volant pup season (May 15-July 31). This ratio offers the most protective coverage as time of year clearing will occur is unknown. The amount will be determined using the United States Department of Agriculture Farm Real Estate Value for North Carolina for 2024 (\$5,190/acre).

https://www.nass.usda.gov/Publications/Todays_Reports/reports/land0824.pdf

If tree clearing is unknown, an assumed clearing acreage of 0.1 acre will be used based on estimates from previous clearing work at bridges (NCDOT 2015). The formula is calculated as follows:

$\$5,190 \times 0.1 \text{ ac} = 519 \times 2 \text{ (critical life stage multiplier)} = \$1,038 \text{ contribution}$

**Structures with documented bat use are generally larger than the average bridge, with a median size of 0.10 acre (length x width) (KYTC 2019). Therefore 0.10 acre per bridge is used to calculate the amount of suitable bat habitat lost for projects involving structure impacts. However, the displacement affects to bats that must find a new roost while a new structure is being constructed are considered temporary in nature because the new structure will be replaced with a similar structure that will provide adequate roosting habitat again. Therefore, the ratio multiplier was reduced to 1.5:1 vs 2:1 used in the tree clearing contribution explained above. If the structure is demolished after March 15 when bats return to the landscape, a payment will be required, if not, no payment is required. The formula is calculated as follows:

$\$5,190 \times 0.1 \text{ ac} = 519 \times 1.5 \text{ (temporary affect multiplier)} = \$779 \text{ contribution/structure}$

401

Certification

(NCDWR)



NORTH CAROLINA
Environmental Quality

June 26, 2026

JOSH STEIN
Governor

D. REID WILSON
Secretary

RICHARD E. ROGERS, JR.
Director

DWR # 20260608
Yancey 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
Bridge 157 over Elk Shoal Creek on Elk Shoals Creek Rd (SR 1388), WBS
DF18313.2100309.PR

Location: 35.950861, -82.405611

Dear Mr. Crowther:

This Certificate of Coverage approval is issued to Robert Crowther and the North Carolina Department of Transportation, dated June 26, 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 (Division or DWR) on May 14, 2026, with fee received on May 15, 2026, with additional information received on June 22, 2026, and within the *Reasonable Period of Time* pursuant to 40 CFR Part 121.6. 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>.

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



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

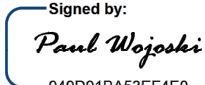
Type of Impact	Amount Approved Permanent	Amount Approved Temporary	Mitigation Amount Required
Perennial Streams			
Site 1 / Elk Shoals Creek / Temp Dewatering	0 linear feet	194 linear feet	0 credits
Site 1a / Elk Shoals Creek / Temp Driveway Culvert	0 linear feet	34 linear feet	0 credits
Site 1b / Elk Shoals Creek / Pipe Outlet Stabilization	*30 linear feet	0 linear feet	0 credits
Site 1c / Elk Shoals Creek / Abutment Bank Stabilization	*16 linear feet	0 linear feet	0 credits
Site 1d / Elk Shoals Creek / Bank Stabilization	*28 linear feet	0 linear feet	0 credits
Site 1e / Elk Shoals Creek / Abutment Bank Stabilization	*20 linear feet	0 linear feet	0 credits
Site 1f / Elk Shoals Creek / Detour Culvert	0 linear feet	66 linear feet	0 credits
<i>Totals:</i>	<i>94 linear feet</i>	<i>294 linear feet</i>	<i>0 credits</i>

**Permanent Fill, not permanent loss.*

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 Amy Annino at 828-296-4668 or amy.annino@deg.nc.gov if you have any questions or concerns.

Sincerely,

Signed by:

 949D91BA53EF4E0...
 Faith Hardin, Supervisor
 401 & Buffer Transportation Permitting 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
Holland Youngman, USFWS
Mike Sanderson, NCDOT Division 13 Environmental Officer
Michael Turchy, NCDOT ECAP
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 3.02; Released April 23, 2024)

WBS Element: N/A TIP/Proj No: EEDB 00226.004 County(ies): Yancey Page 1 of 2

General Project Information

WBS Element:	N/A	TIP Number:	EEDB 00226.004	Project Type:	Bridge Replacement	Date:	2/25/2026
NCDOT Contact:	Joel M. Davis		Contractor / Designer:		DRMP / Ryan P. Mitchell		
Address:	Assistant Division Bridge Program Manager		Address:	5808 Faringdon Place			
	20 Old 74			Suite 100			
	Asheville, NC 28803			Raleigh, NC 27609			
Phone:	(828) 488-0902		Phone:	(919) 650-1038			
Email:	jmdavis4@ncdot.gov		Email:	rmitchell@drmp.com			
City/Town:	Unincorporated		County(ies):	Yancey			
River Basin(s):	French Broad		CAMA County?	No			
Wetlands within Project Limits?	No						

Project Description

Project Length (lin. miles or feet):	0.07	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:	18' overall length, two-lane crowned roadway with 9.5' lanes with variable slopes. 20' out-to-out bridge width, including 6" shoulder widths on bridge.			18.42' overall length, with a 18.09' deck with/out to out, 17.08' clear roadway, and grass shoulders. It carries a slightly sloped two-lane roadway..				
Annual Avg Daily Traffic (veh/hr/day):	Design/Future:	N/A	Year:	N/A	Existing:	270	Year:	2025

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

The North Carolina Department of Transportation (NCDOT) proposes to replace bridge #990157 on SR-1388 (Elk Shoals Creek Rd) across Elk Shoal Creek. The project is located in Yancey County, northwest of the town of Burnsville, NC. The project is an in-line replacement of the existing bridge with an on-site detour route. Additional drainage improvements are proposed upstation/downstation of the proposed bridge. Rip rap / bank stabilization at pipe outlets and the proposed bridge 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 3.02; Released April 23, 2024)

WBS Element: N/A TIP/Proj No.: EEDB 00226.004 County(ies): Yancey Page 2 of 2

General Project Information

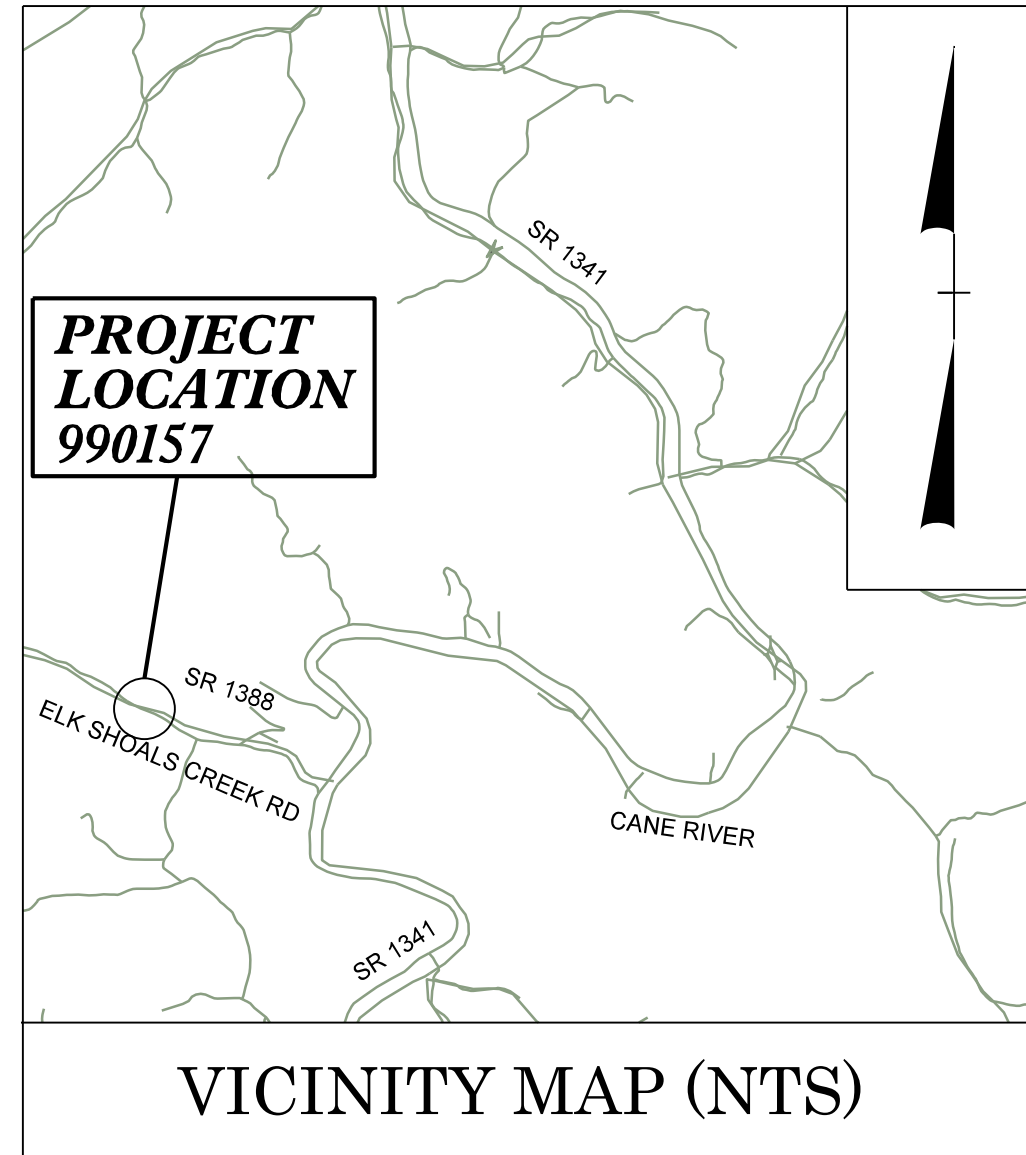
Waterbody Information

Surface Water Body (1):	Elk Shoal Creek		NCDWR Stream Index No.:	7-2-25		
NCDWR Surface Water Classification for Water Body	Primary Classification:		Class C			
	Supplemental Classification:		Trout Waters (Tr)			
Other Stream Classification:	None					
Impairments:	None					
Aquatic T&E Species?	No	Comments:				
NRTR Stream ID:	N/A				Buffer Rules in Effect:	N/A
Project Includes Bridge Spanning Water Body?	Yes	Deck Drains Discharge Over Buffer?	No	Dissipator Pads Provided in Buffer?		
Deck Drains Discharge Over Water Body?	No	(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)						

See Sheet 1A For Index of Sheets



PRELIMINARY ROADWAY PLANS
SUBMITTAL NO. S-002
JANUARY 9, 2026

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

YANCEY COUNTY

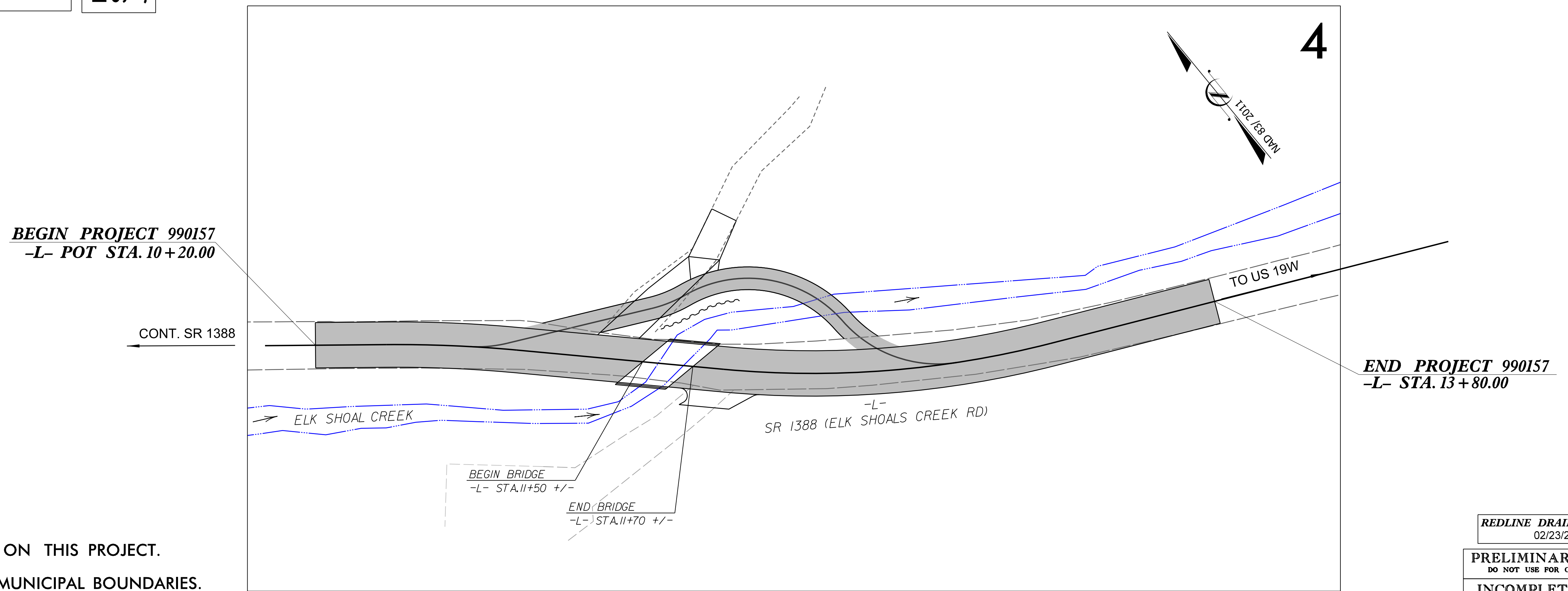
LOCATION: *REPLACE BRIDGE NO. 990157 ON
SR 1388 (ELK SHOALS CREEK RD)
OVER ELK SHOAL CREEK*

TYPE OF WORK: *GRADING, DRAINAGE, PAVING, STRUCTURE*
APRIL 2026

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	990157	11	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
DF18313.2100309.PR	HELENE	P.E.	

**PERMIT DRAWING
SHEET 1 OF 5**

WETLAND AND STREAM IMPACTS



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.
THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II MODIFIED.

REDLINE DRAINAGE PLANS
02/23/2026

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

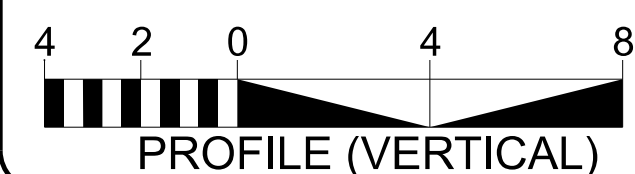
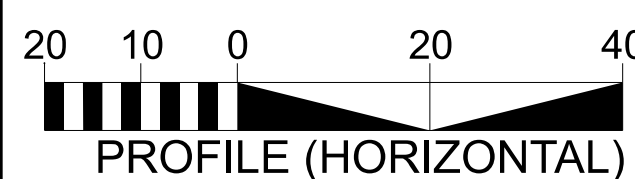
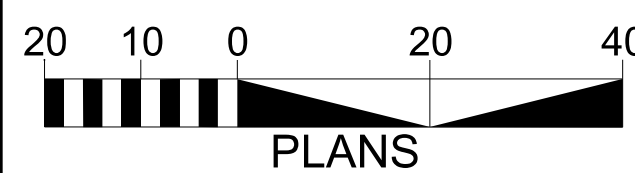
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROJECT: 990157

CONTRACT: C205065

GRAPHIC SCALES



DESIGN DATA

ADT 2025 = 150
ADT = N/A
K = N/A %
D = N/A %
T = N/A % *
V = 40 MPH
* TTST = DUAL
FUNC CLASS = LOCAL
SUB-REGIONAL

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT 990157 = 0.064 MILES
LENGTH OF STRUCTURE TIP PROJECT 990157 = 0.004 MILE
TOTAL LENGTH OF TIP PROJECT 990157 = 0.068 MILES

PLANS PREPARED BY:



DRMP, INC.
5808 FARINGDON PLACE, SUITE 100
RALEIGH, NORTH CAROLINA 27609
(919) 872-5115
NC LICENSE NO. F-1524

FOR
NCDOT ALTERNATIVE DELIVERY UNIT

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

TIMOTHY A. KLOTZ, PE
PROJECT ENGINEER

COOPER A. BOLZ, EI
PROJECT DESIGN ENGINEER

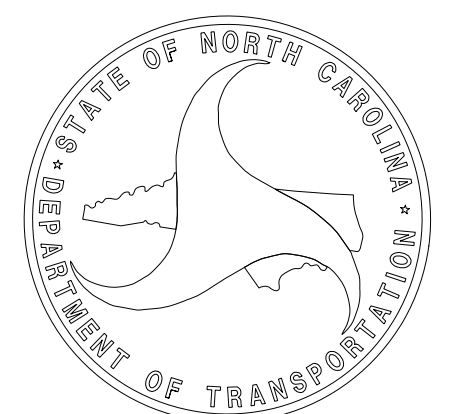
ROB COUSINS, PE
NCDOT PROJECT MANAGER

HYDRAULICS
ENGINEER

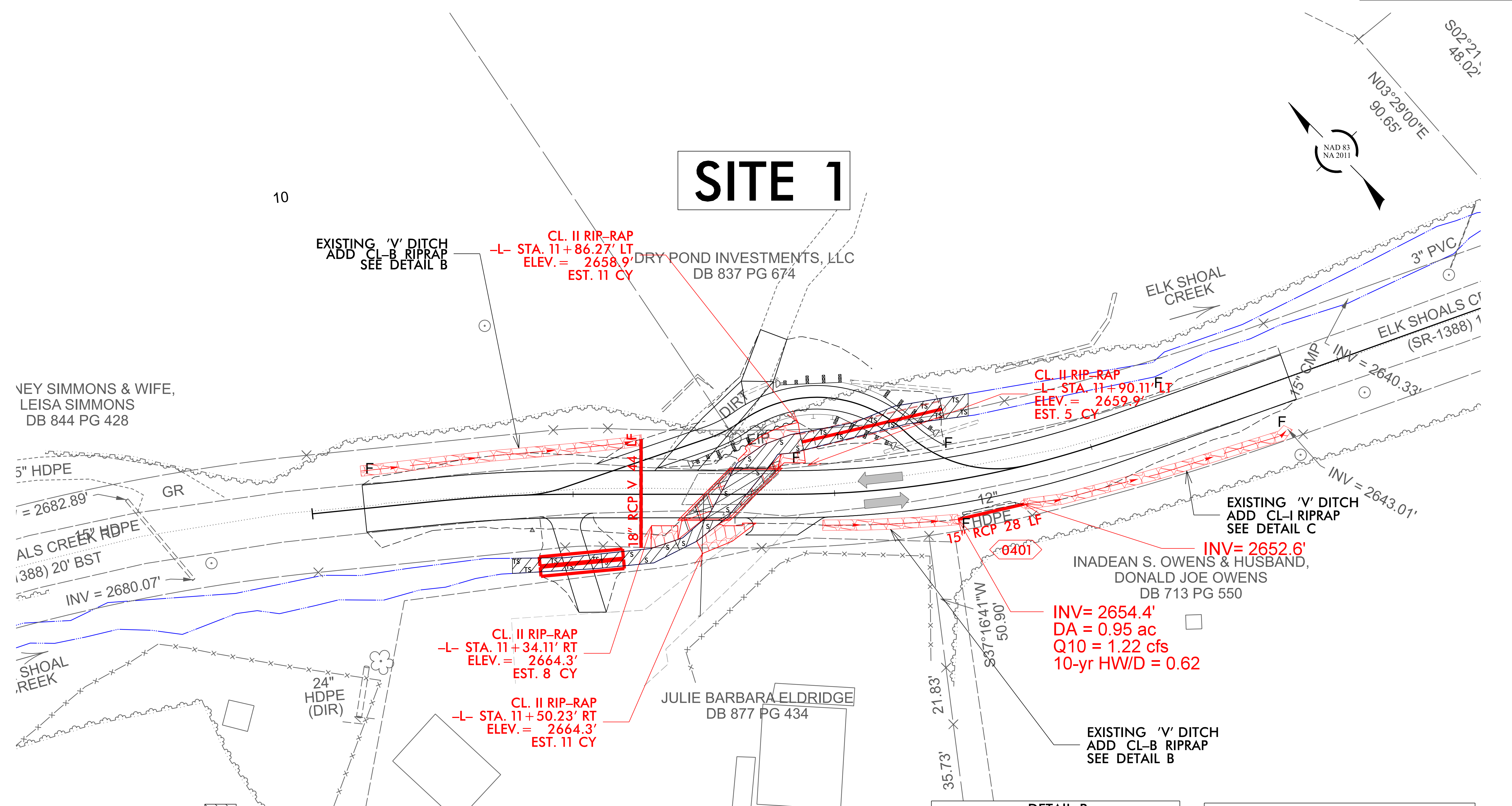
SIGNATURE: _____ P.E.

ROADWAY DESIGN
ENGINEER

SIGNATURE: _____ P.E.



SITE 1

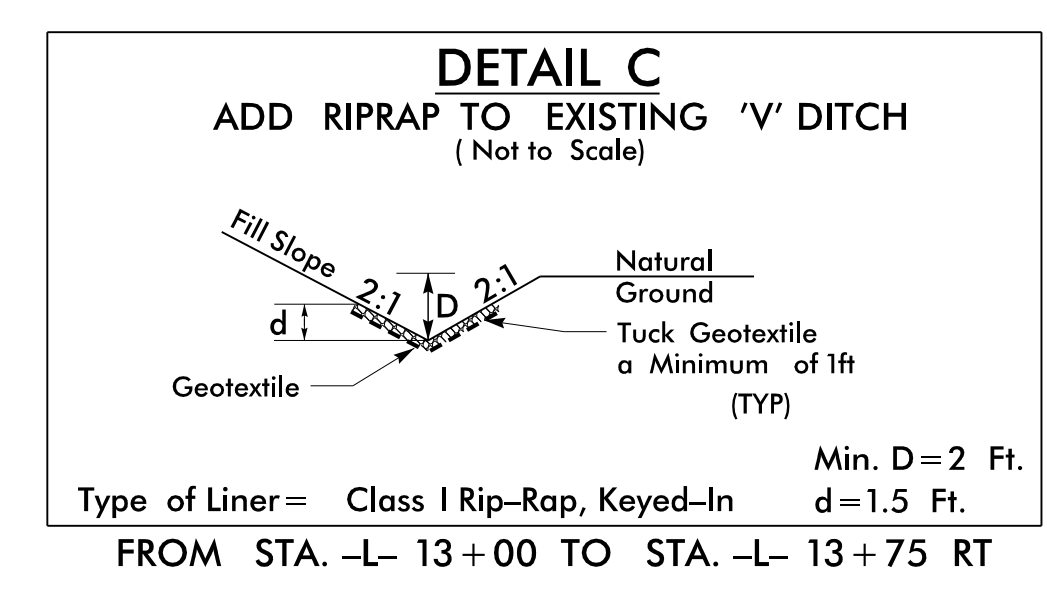
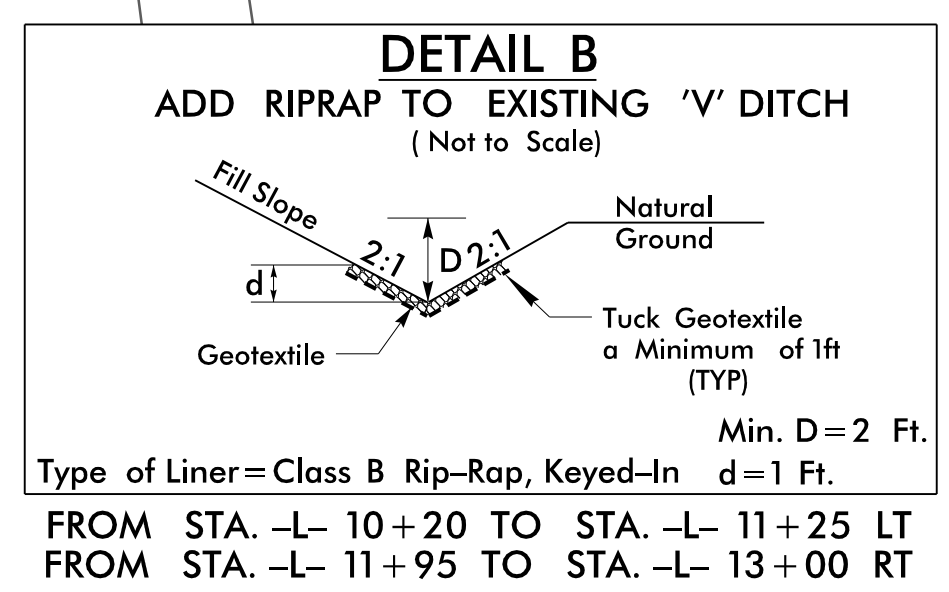
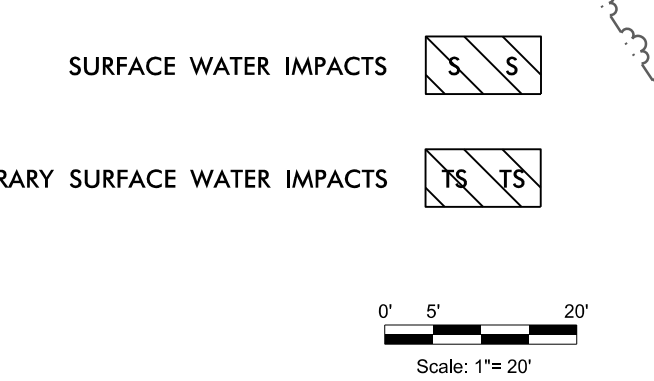


NEY SIMMONS & WIFE,
LEISA SIMMONS
DB 844 PG 428

DRY POND INVESTMENTS, LLC
DB 837 PG 674

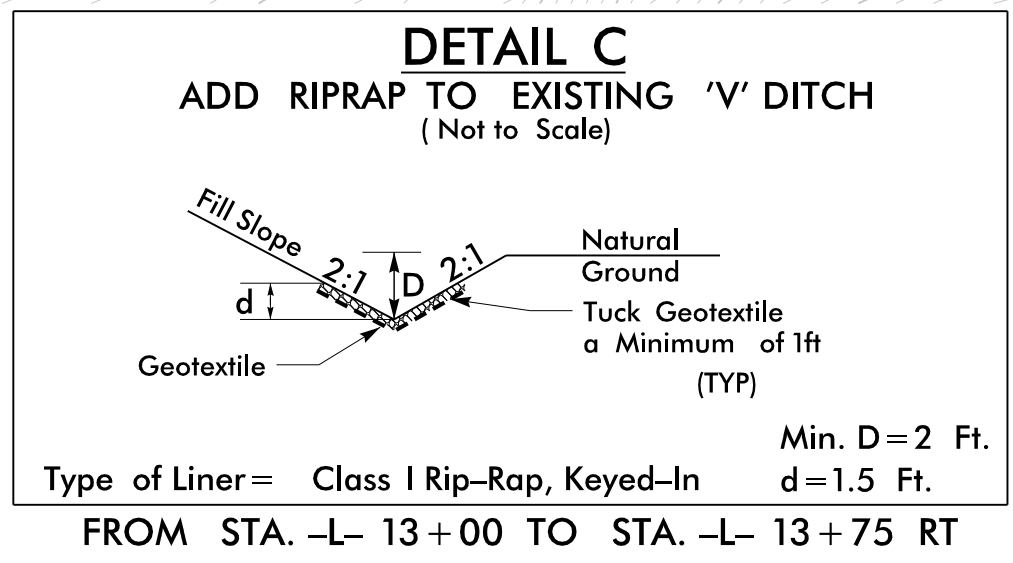
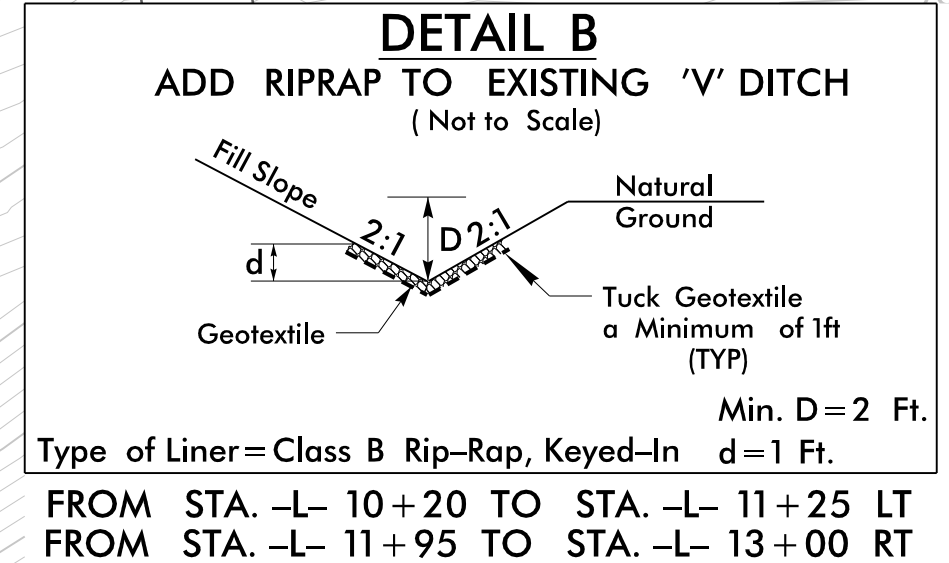
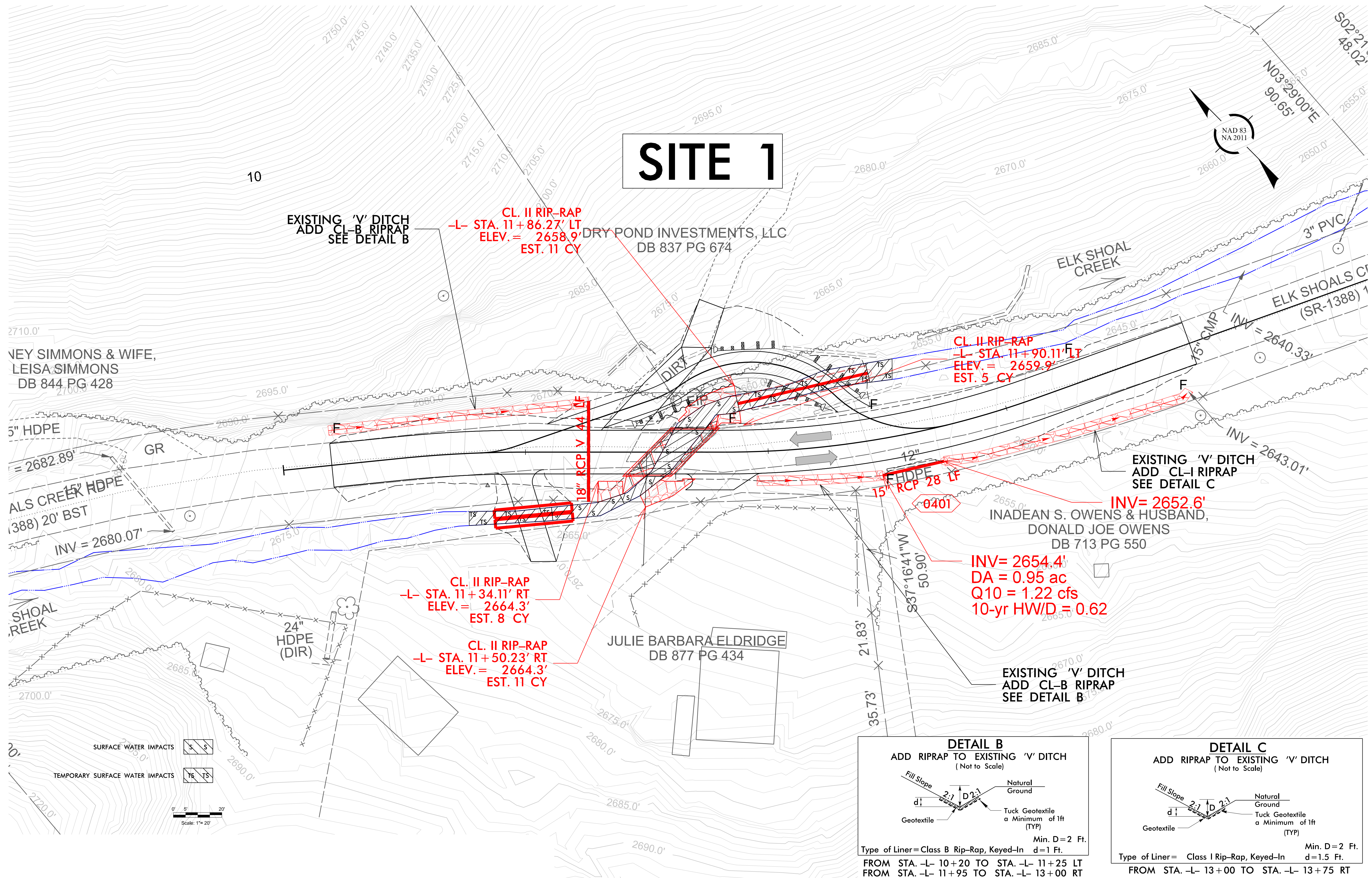
JULIE BARBARA ELDRIDGE
DB 877 PG 434

INADEAN S. OWENS & HUSBAND,
DONALD JOE OWENS
DB 713 PG 550



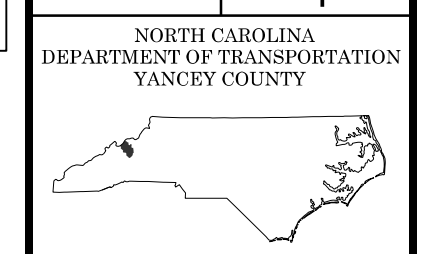
FOR -L- PROFILE, SEE SHEET 5

REVISIONS



FOR -L- PROFILE, SEE SHEET 5

REVISIONS



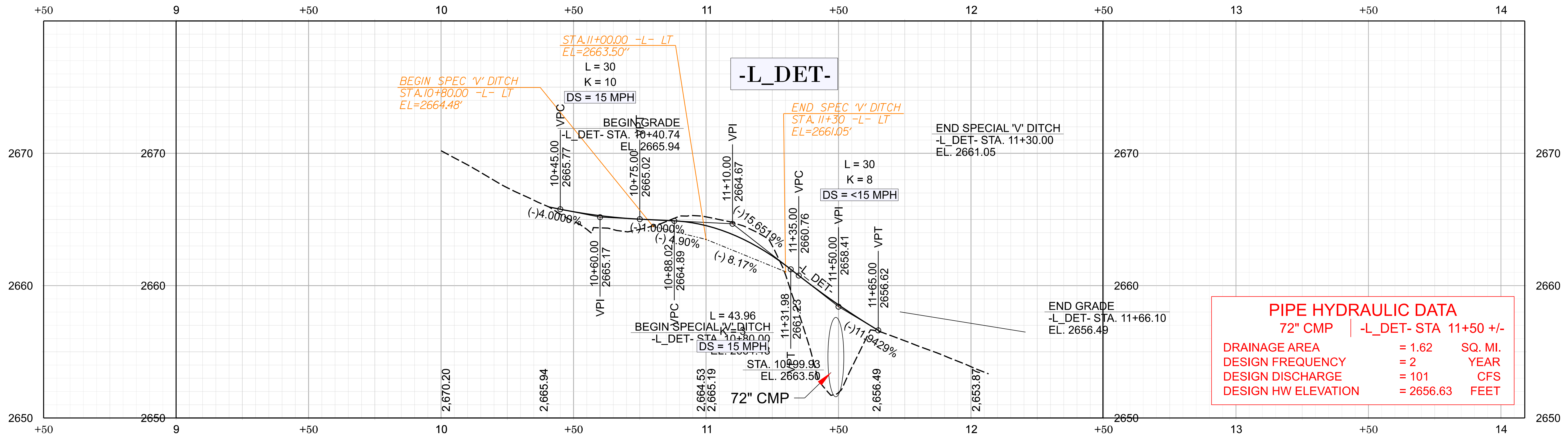
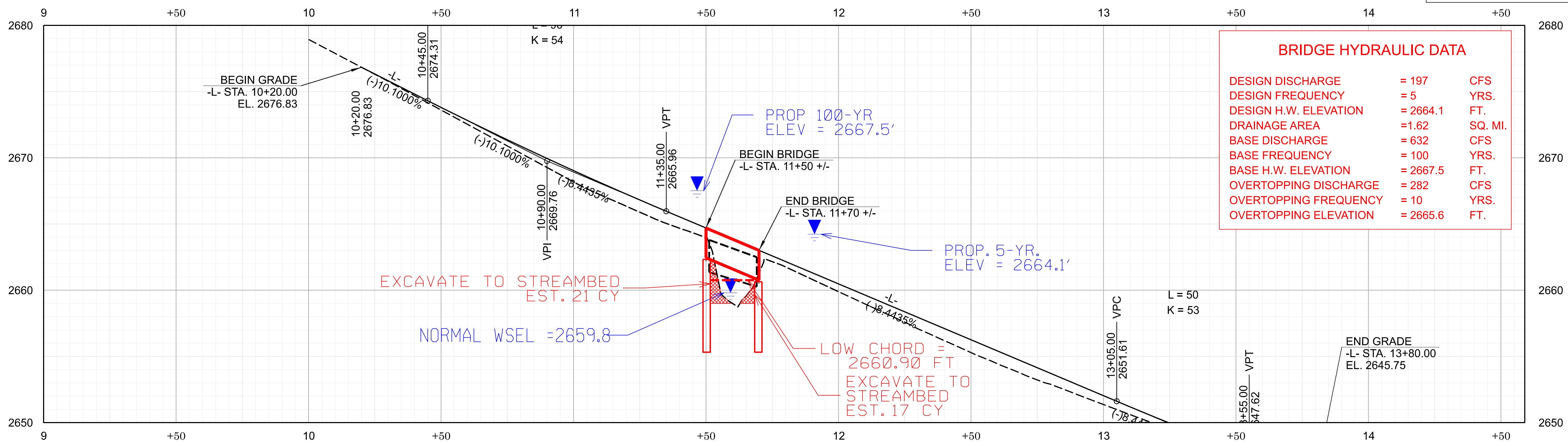
ROADWAY DESIGN UNIT
ROADWAY DESIGN ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR BIDDING OR CONSTRUCTION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

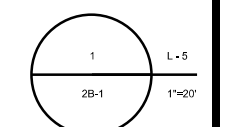
HYDRAULICS ENGINEER

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REVISIONS



WETLAND AND SURFACE WATER IMPACTS SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- 10+76/11+11	Detour Driveway Culvert						< 0.01			34	
1b	-L- 11+11/11+40	18" RCP Cross Pipe Outlet						< 0.01		30		
1c	-L- 11+40/11+52	Class II Rip Rap Abutment						< 0.01		16		
1d	-L- 11+52/11+79	Bridge Opening						< 0.01		28		
1e	-L- 11+79/11+88	Class II Rip Rap Abutment						< 0.01		20		
1f	-L- 11+88/12+57	Detour Culvert							0.01		66	
TOTALS*:								0.01	0.01	94	100	0

*Rounded totals are sum of actual impacts

NOTES:
 Linear impacts were measured along stream centerline.
 Linear permanent impacts supersede temporary impacts where the two overlap along stream centerline.

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 02/27/2026
 YANCEY COUNTY
 990157
 50647.1.1
 SHEET 5 OF 5