

# North Carolina Department of Transportation

## NEPA/SEPA Consultation Form

STIP Project No.	<b>BR-0048</b>
WBS Element	<b>49079.1.1</b>
Federal Aid Project No.	<b>N/A</b>

### A. Project Description, Location, and Purpose:

*The proposed project will replace a deficient bridge in Surry County. Bridge No. 103 is along NC 268 over the Mitchell River. The new bridge will be placed immediately north of the existing structure and traffic maintained on the existing bridge during construction. The proposed total length of this project is 0.260 miles with approximate structure length of 218 feet. NC 268 is a part of the Mountain to Sea Bike Trail. Both approaches and the bridge will be set up to accommodate bicyclists. Approximately 34 linear feet of stream is anticipated to be impacted. The typical section for the approaches includes 12' travel lanes with 5' full depth paved shoulders to accommodate bicycles. On the structure, 12' travel lanes with 5' and 8' offsets to the bridge rail, left and right respectively, were provided to accommodate bicycles and pedestrians.*

### B. Consultation Phase: (Check one)

- ☐ Right-of-Way
- ☒ Construction
- ☐ Other: Identify the trigger – (e.g., design change, change in impacts)

### C. NEPA/SEPA Class of Action Initially Approved as: (Check one)

- ☒ SEPA MCDC May 6, 2019

Additional Notes:

*USACE Nationwide Permit, Action ID SAW-2020-01910, 01/29/2021  
NCDWR Project No. 20201518, Certification No. 4135, 11/23/2020*

### D. Changes in Proposed Action & Environmental Consequences:

#### **DESIGN**

Additional 3' offset on the bridge/paved shoulder for pedestrian accommodations.

#### **WATER RESOURCES**

Water resources and classifications in the project area have not changed since the above referenced documents.

## PROTECTED SPECIES

As of July 17, 2020, the USFWS lists five protected species for Surry County. Relevant information for northern long-eared bat and gray bay was provided to the USACE with the permit application to satisfy Section 7 for these species, which is considered resolved with the 404-permit issuance.

Habitat is present for Schweinitz's sunflower. Walking visual surveys of all areas of habitat were conducted by NCDOT biologists in 2018 and 2020, and no individuals of this species were identified during either survey. Therefore, this project will have no effect on Schweinitz's sunflower.

No habitat is present for the bog turtle, and small whorled pogonia is listed as historical for Surry County, therefore surveys are not required for these species.

All relevant sections of the Endangered Species Act have been resolved for this project.

## Historic Architecture & Archaeology

NCDOT has reviewed the Section 106 effects findings for historic properties within the project's area of potential effects (APE), that were made as part of the NEPA analysis. NCDOT has confirmed there is no new information that would alter the original Section 106 findings and, therefore, they remain valid.

### E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

### F. Coordination

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives and FHWA (where applicable). The NCDOT Project Manager, Keith Paschal, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	John Williams	2/11/2021
Environmental Specialist:	Erin Cheely	2/11/2021
FHWA (if applicable):	Click or tap here to enter text.	Date
Cultural Resources:	Mary Pope Furr	2/02/2021
Roadway Design:	Sherri Calhoun, PE	2/22/2021

G. Consultation Approval for NCDOT Project BR-0048

**Prepared By:**

3/3/2021

Date

DocuSigned by:

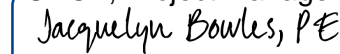


292116A6B9BD4EC

Verrol McLeary

NCDOT, Project Management Unit

**Prepared For:**



DD26E87EDFB647E...

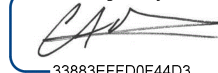
Jacquelyn Bowles, PE

NCDOT, Structures Management Unit

**Reviewed By:**

Date

DocuSigned by:



33883EEFED0E44D3

Colin Mellor,

NCDOT, Environmental Policy Unit



**Approved**

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

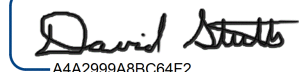
or



**Certified**

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

DocuSigned by:



A4A2999A8BC64F2...

Date

David Stutts, PE - Project Engineer - PEF/Program Management  
North Carolina Department of Transportation

FHWA Approved: FHWA signature required for Type I(B) CE, Type II(B) CE, Type III CE, FONSI or ROD.

Date

N/A

John F. Sullivan, III, PE, Division Administrator  
Federal Highway Administration

H. Project Commitments (as of February 03, 2021)

**Surry County**  
**Bridge No. 103 on NC 268 over Mitchell River.**  
**Federal Project No. N/A**  
**WBS # 49079.1.1**  
**TIP # BR-0048**

**COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN**

*Current status and additions to the project commitments as shown in the MCDG for the project are printed in italics*

**Mountains to Sea Trail**

The design of the project will accommodate bicycles regarding paved shoulders and the approaches and regarding offset and bicycle safe rail on the bridge.

*Status: The design includes bicycle accommodation with bicycle safe rail on the bridge.*

**Mitchell River Greenway**

The plans will contain a bench cut into the slope under the bridge on the east end to provide passage for a future greenway.

*Status: Plans have been updated to include the bench cut.*

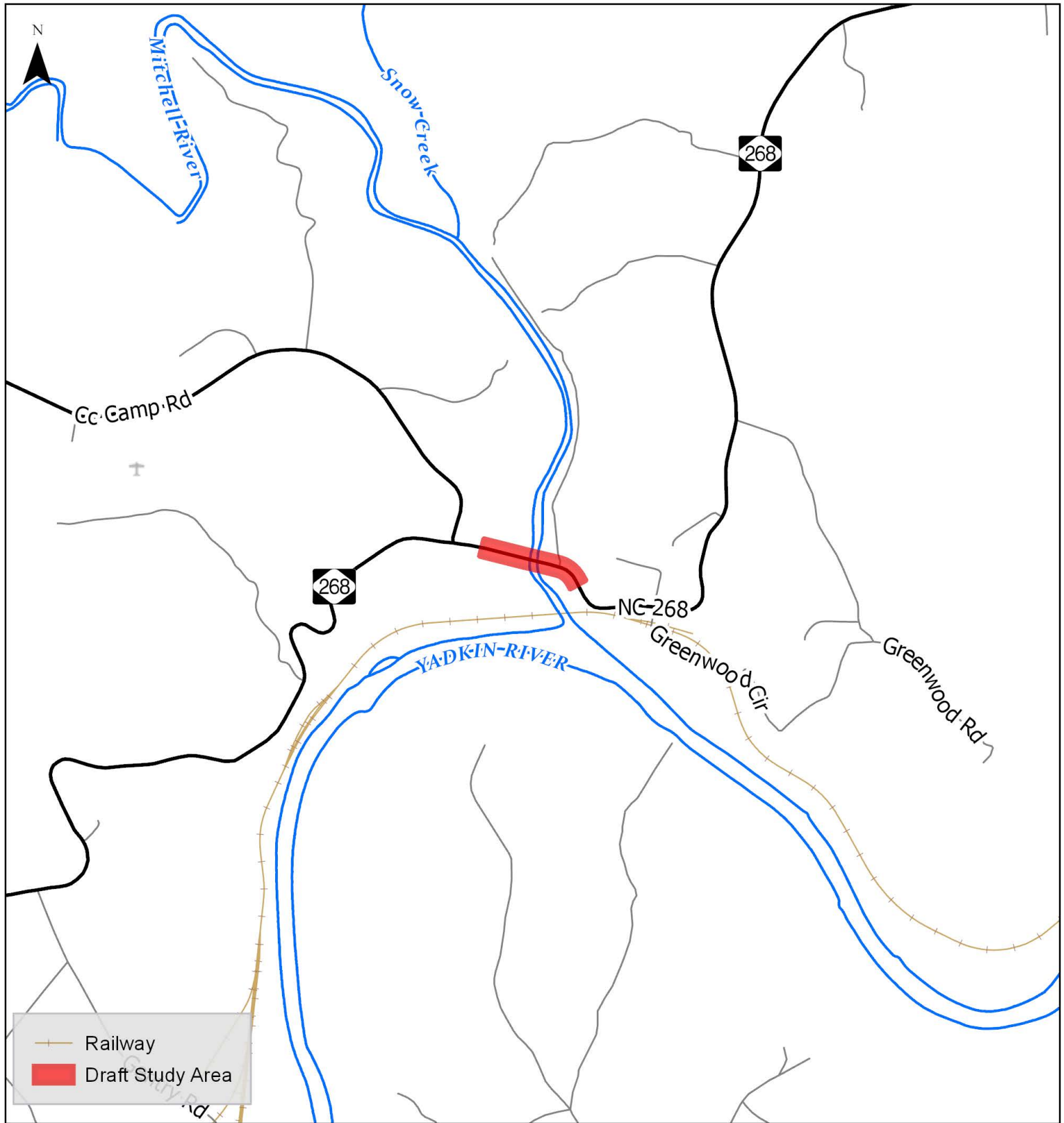
**COMMITMENTS FROM PERMITTING**

**NCDOT Division 11 Construction**

404 Special Condition #2: Prior to any bridge demolition or construction activities, the permittee will coordinate with Surry County Parks and Recreation and the North Carolina Wildlife Resources Commission to place signs at the Mountain Park Access (the only paddler access upstream on the Mitchell River) and the Burch Station Access. These signs will inform river users to make themselves seen and to watch for overhead construction when floating or fishing under the bridge

404 Special Condition #3: The permittee will ensure that (1) the contractor knows that the river is occasionally used by paddlers, (2) all onsite staff watch the area for river users, (3) work is halted if someone is seen approaching the bridge, and (4) all overhead work is paused until river users safely leave the area.

# ATTACHMENTS



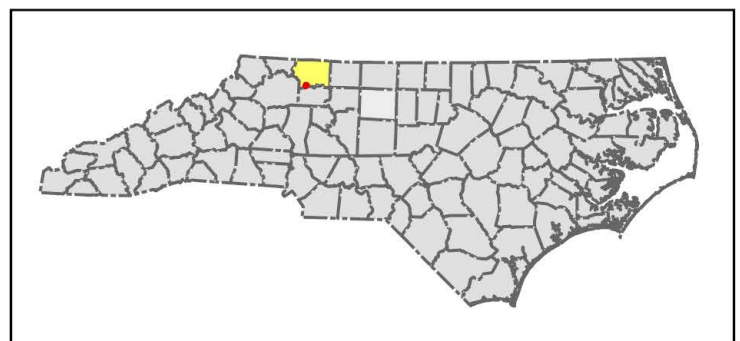
0 1,000 2,000 4,000 Feet



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

**PROJECT  
VICINITY  
MAP**

**BR-0048**  
Replace Surry Co. Bridge No. 103  
On NC 268 over Mitchell River



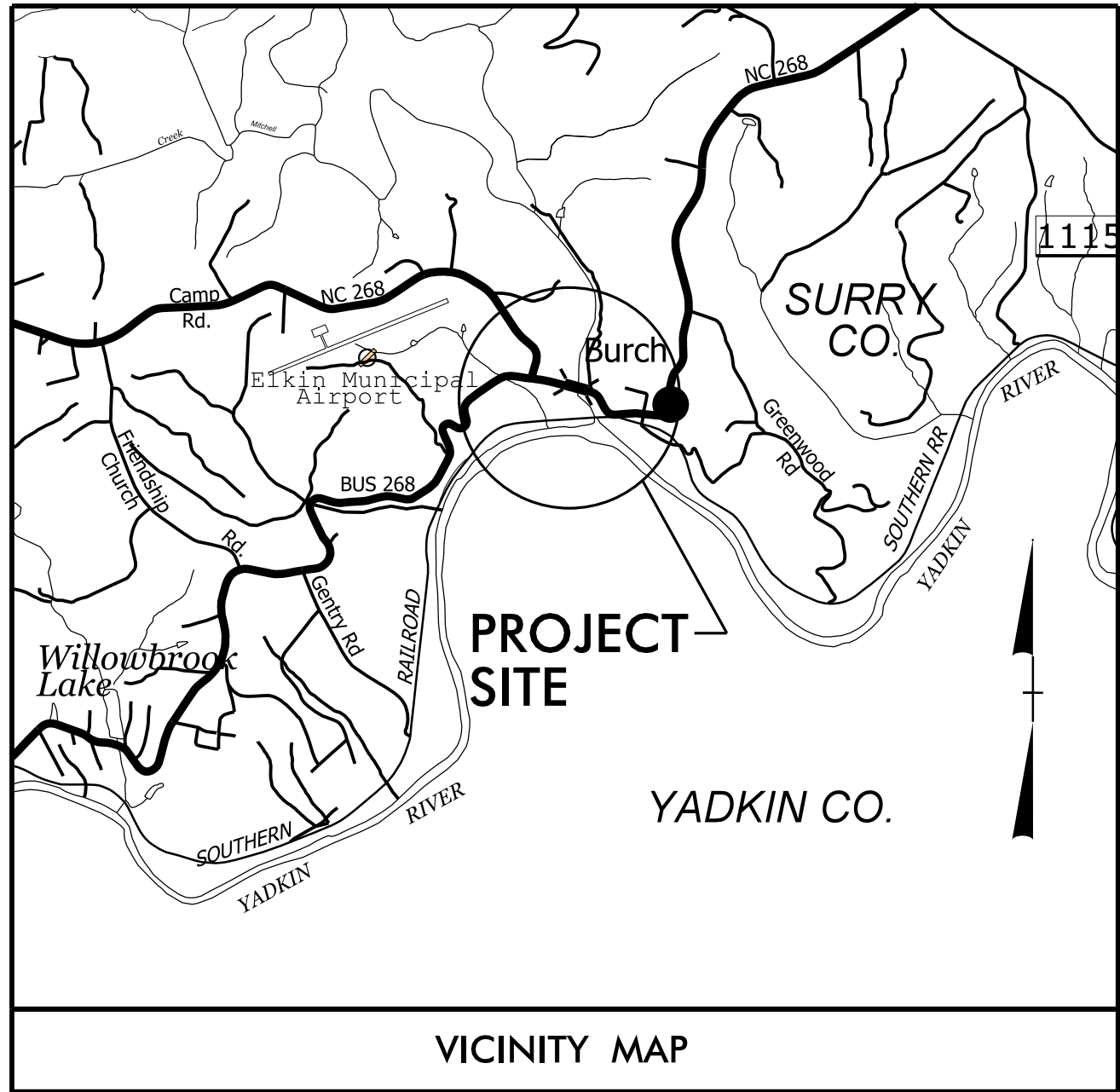


09/08/99

TIP PROJECT: BR-0048

CONTRACT: C204492

See Sheet 1A For Index of Sheets  
See Sheet 1B For Symbology Sheet



VICINITY MAP

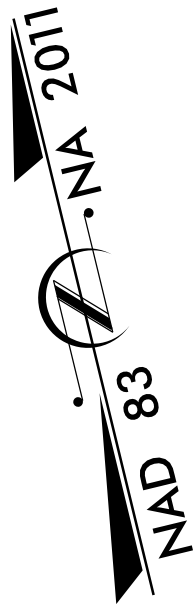
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**SURRY COUNTY**

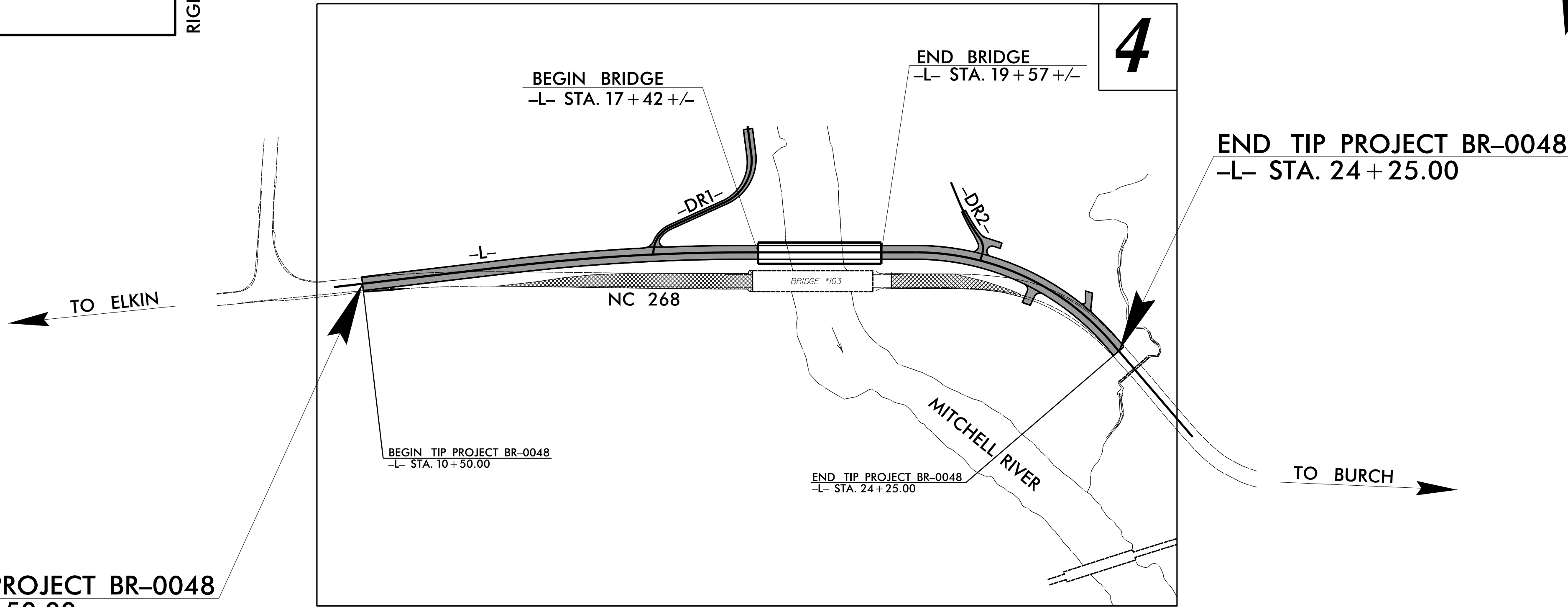
**LOCATION: BRIDGE #103 ON NC 268  
OVER MITCHELL RIVER**

**TYPE OF WORK: GRADING, PAVING, DRAINAGE  
AND STRUCTURE**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BR-0048	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
49079.1.1		PE	
49079.2.1		RW	
49079.3.1		CONST	



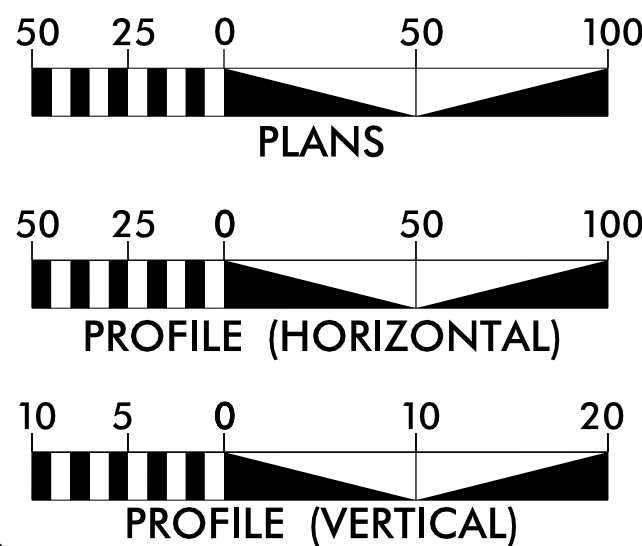
**BEGIN TIP PROJECT BR-0048**  
-L- STA. 10 + 50.00



THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES.  
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**GRAPHIC SCALES**



**DESIGN DATA**

ADT 2020 = 3,520  
ADT 2040 = 3,720  
K = 10 %  
D = 60 %  
T = 10 % \*  
V = 60 MPH  
\* TTST = 5% DUAL 5%  
FUNC CLASS =  
RURAL COLLECTOR  
REGIONAL TIER

**PROJECT LENGTH**

LENGTH ROADWAY TIP PROJECT BR-0048 = 0.219 MILES  
LENGTH STRUCTURES TIP PROJECT BR-0048 = 0.041 MILES  
TOTAL LENGTH TIP PROJECT BR-0048 = 0.260 MILES

Prepared In the Office of:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610

**2018 STANDARD SPECIFICATIONS**

**RIGHT OF WAY DATE:**  
DECEMBER 4, 2019

**LETTING DATE:**  
MARCH 16, 2021

**A. KEITH PASCHAL, PE**  
PROJECT MANAGER

**TATIA L. WHITE, PE, PLS**

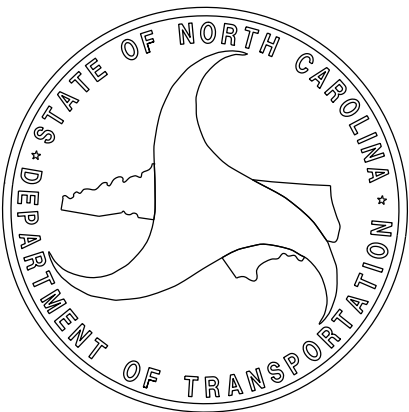
**SHERRI E. CALHOUN, PE**  
PROJECT TEAM LEAD

**HYDRAULICS ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.

**ROADWAY DESIGN  
ENGINEER**

SIGNATURE: \_\_\_\_\_ P.E.



30-MAR-2020 10:06  
\\BRO048.Rdy-Tsh.dgn  
\$\$\$\$\$USERNAME\$\$\$\$\$

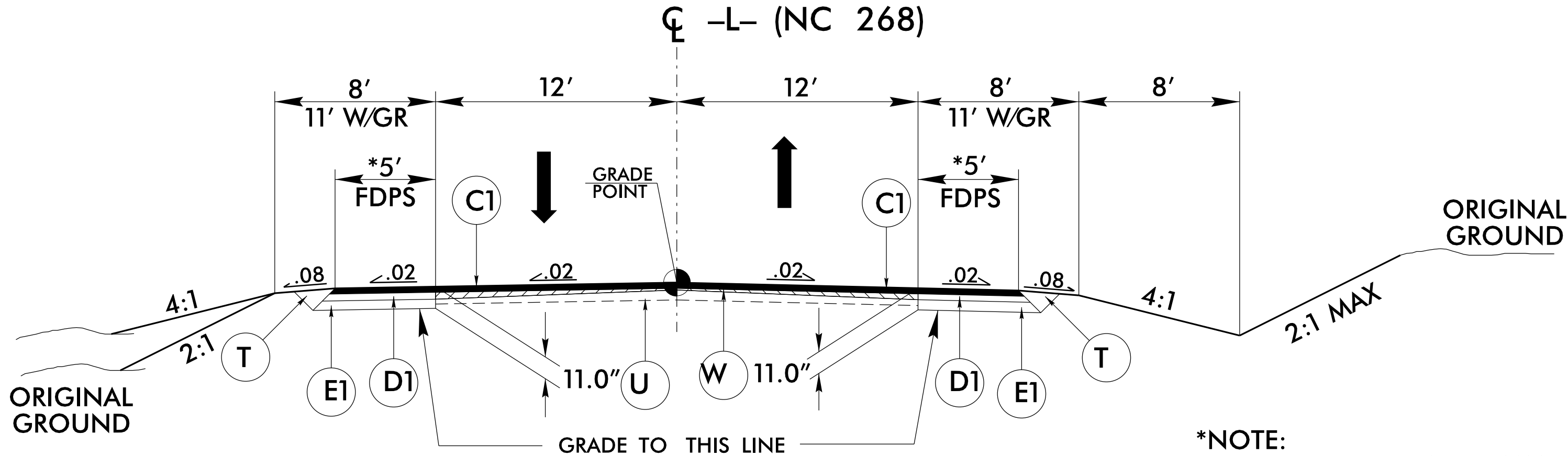
6/2/99

DESIGN REVISION: 20200330 ADDED A NOTE FOR PAVING THE SHOULDER UP THE GUARDRAIL LEFT AND RIGHT.

26-MAR-2020 05:59  
C:\PROJECTS\2020\03\20200330\20200330.dgn

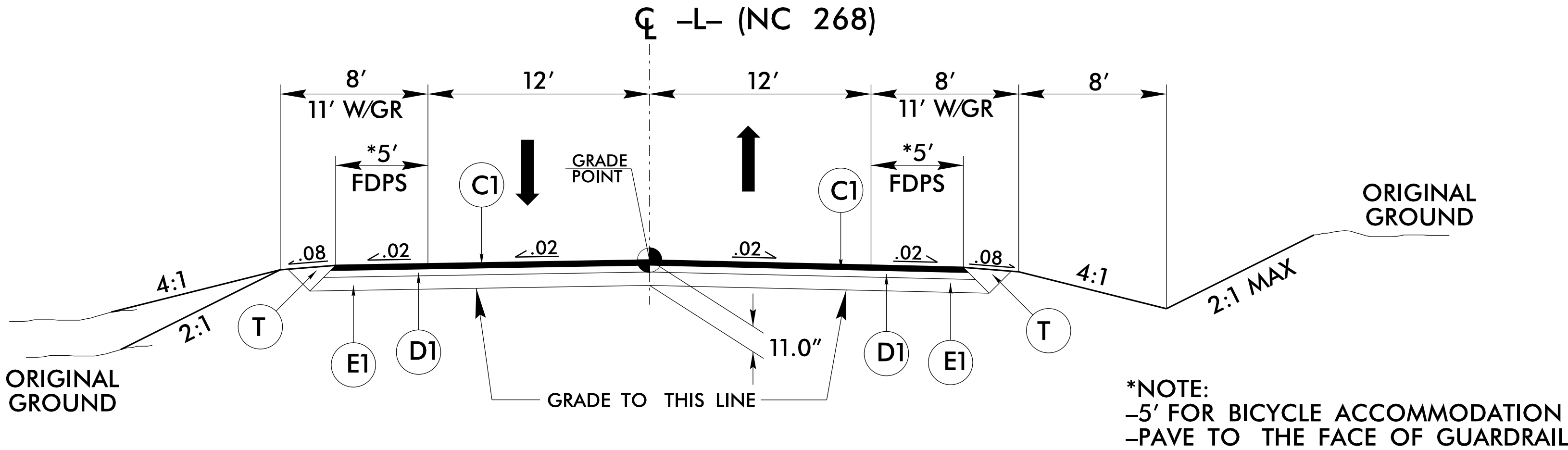
FINAL PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 1½" IN DEPTH.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE SURFACE COURSE, TYPE I9.5C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE I9.5C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 2.5" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 4" IN DEPTH.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. VAR. DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT LESS THAN 3" IN DEPTH OR GREATER THAN 5½" IN DEPTH.
J	8" AGGREGATE BASE COURSE.
R1	SHOULDER BERM GUTTER.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	VARIABLE DEPTH ASPHALT PAVEMENT.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



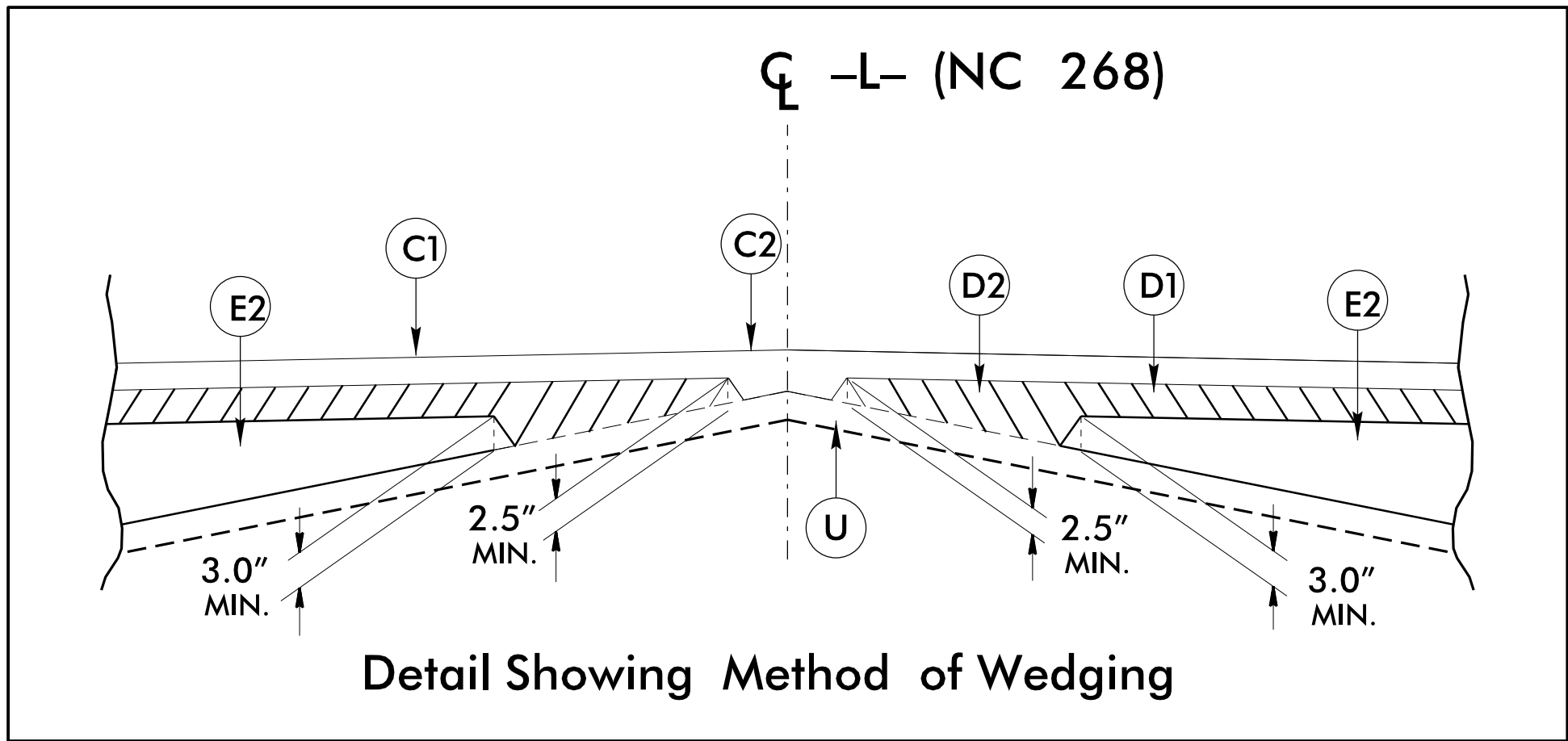
### TYPICAL SECTION NO. 1

- L- STA. 10+50.00 TO 11+00.00
- TRANSITION FROM EXISTING TO TYPICAL SECTION NO. 1
- L- STA. 10+50.00 TO 13+25.00
- L- STA. 22+25.00 TO 23+50.00
- L- STA. 23+50.00 TO 24+25.00
- TRANSITION FROM TYPICAL SECTION NO. 1 TO EXISTING



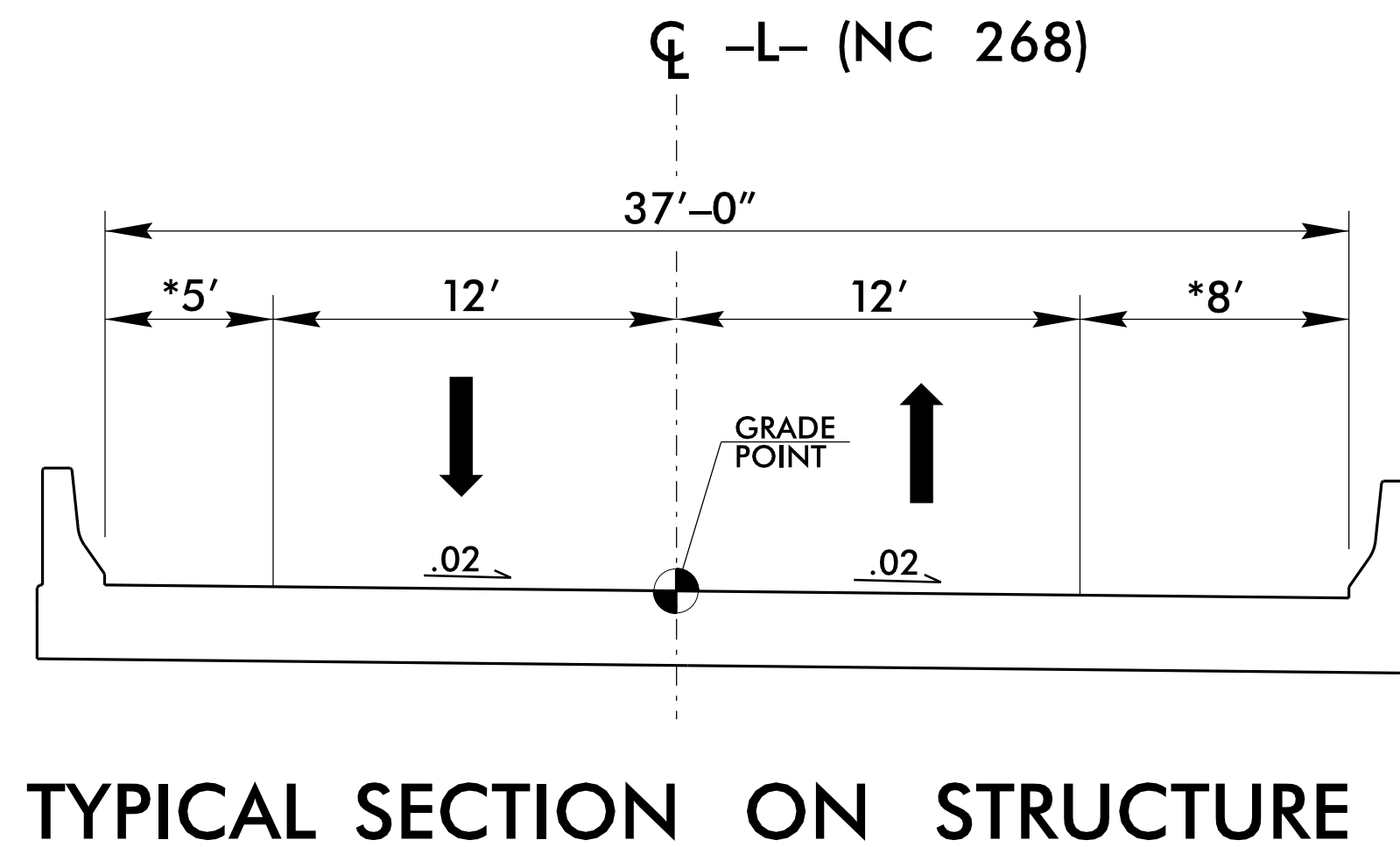
### TYPICAL SECTION NO. 2

- L- STA. 13+25.00 TO BEGIN BRIDGE
- END BRIDGE TO -L- STA 22+25.00





NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



**\*NOTE:**  
 -5' FOR BICYCLE ACCOMMODATION  
 -8' FOR BICYCLE, PEDESTRIAN ACCOMMODATION

PROJECT REFERENCE NO.		SHEET NO.	
BR-0048		2A-2	
ROADWAY DESIGN ENGINEER		PAVEMENT DESIGN ENGINEER	
<p align="center"><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>			