

NCDOT NEPA/SEPA Consultation Form

NCDOT STIP Project No.	BR-0069
WBS Element	67069.1.1
Federal Aid Project No.	N/A

A. Project Description, Location and Purpose:

The proposed project involves replacing Bridge No. 160001 on U.S. 158/N.C. 86 over Country Line Creek in Caswell County in the Town of Yanceyville. Bartlett Yancey High School is located west of the bridge, along with various commercial developments. The North Carolina Wildlife Resources Commission owns large tracts of land to the south and east of the bridge. The Caswell Shooting Range is located within that property. The proposed project length is 0.220 miles, and the proposed Bridge Length is 0.047 miles. The roadway width is 24', with two 12' lanes. Total shoulder width is 8', with 4' paved and 4' turfed. The proposed bridge clear roadway is 44', with two 12' lanes and 10' shoulders. Side slopes are NCDOT Arterial Design Side Slopes (ADSS) due to an Average Daily Traffic (ADT) greater than 2000. The current 2024 ADT is 8,600, and projected future ADT in 2044 is 10,100. There are 10% trucks, with Tractor Trailer Semi Trucks (TTST) at 6%, and Dual Axle Trucks at 4%. Design Speed V is 60 mph. Functional Classification is listed as "Rural Arterial – Regional Tier". During construction of the replacement bridge traffic will be carried on an on-site detour and temporary bridge located on the north side of US 158/NC 86. No anticipated design exceptions. The purpose of the proposed project is to remove a structurally deficient bridge. NCDOT Bridge Management Unit records indicate Bridge No. 160001 was built in 1970 and is considered structurally deficient due to a 2022 superstructure condition appraisal of 4 out of 9 according to Federal Highway Administration standards. This bridge has priority maintenance for slope protection on both ends, and structural issues at bent No. 3.

B. Consultation Phase:

Construction

C. NEPA/SEPA Class of Action:

FHWA TYPE I A CE Date **3/13/2023**

D. Changes in Proposed Action & Environmental Consequences:

During the permitting process, it was determined that access on the east and west sides of the creek (currently under the existing bridge) were needed to allow removal of the existing bents. This access will be temporary fill, partially in the creek. The temporary accesses cover approximately 0.05 acres. The 401/404 permits have been acquired for the project. The original study area for the project encompasses this change.

Natural Systems

As of 3/28/24, IPaC lists Roanoke logperch and Atlantic pigtoe within the project area. Tricolored bat is also listed as proposed endangered. Since the NRTR, Atlantic pigtoe was uplisted from Proposed to Threatened, tricolored bat was added as Proposed, and James spiny mussel is no longer listed within the project area.

The USFWS concurred with a biological conclusion of May Affect, Not Likely to Adversely Affect

for the listed aquatic species on 2/28/22.

Tricolored Bat

The USFWS has issued a programmatic conference opinion (PCO) in conjunction with the Federal Highway Administration (FHWA), the US Army Corps of Engineers (USACE), and NCDOT for the Tricolored bat (TCB) (*Perimyotis subflavus*) in eastern North Carolina. The PCO covers the entire NCDOT program in Divisions 1-8, including all NCDOT projects and activities. NCDOT, FHWA, and USACE have agreed to three conservation measures (listed in the PCO) which will avoid/minimize take to TCBs. These conservation measures apply to all counties in Divisions 1-8. The programmatic determination for TCB for the NCDOT program is May Affect, Likely to Adversely Affect. Once the TCB is officially listed, the PCO will become the programmatic biological opinion (PBO) by formal request from FHWA and USACE. The PBO will ensure compliance with Section 7 of the ESA for approximately five years (effective through December 31, 2028) for all NCDOT projects with a federal nexus in Divisions 1-8, which includes Caswell County, where BR-0069 is located.

NCDOT will ensure compliance with the ESA for all protected species for this project.

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). The current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted below. 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. FHWA Appendix C Criteria:

If any of questions 1-7 below are marked "yes" then please review NCDOT and/or FHWA procedures prior to approval.		Yes	No
1	Does the project require formal consultation with U.S. Fish and Wildlife Service (USFWS) or National Marine Fisheries Service (NMFS)?	<input type="checkbox"/>	X
2	Does the project result in impacts subject to the conditions of the Bald and Golden Eagle Protection Act (BGPA)?	<input type="checkbox"/>	X
3	Does the project generate substantial controversy or public opposition, for any reason, following appropriate public involvement?	<input type="checkbox"/>	X
4	Does the project cause disproportionately high and adverse impacts relative to low-income and/or minority populations?	<input type="checkbox"/>	X
5	Does the project involve a residential or commercial displacement, or a substantial amount of right of way acquisition?	<input type="checkbox"/>	X
6	Does the project require an Individual Section 4(f) approval?	<input type="checkbox"/>	X
7	Does the project include adverse effects that cannot be resolved with a Memorandum of Agreement (MOA) under Section 106 of the National Historic Preservation Act (NHPA) or have an adverse effect on a National Historic Landmark (NHL)?	<input type="checkbox"/>	X

G. Coordination

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives. The Project Manager (Name of PM) hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Trent Huffman, P.E., Moffatt & Nichol	Date	4/1/2024
FHWA Engineer:	_____		
Environmental Specialist:	Erin Cheely		4/1/2024
Other:	Marc Hamel, M&N NEPA Specialist		4/1/2024

H. Consultation Approval for NCDOT Project TIP OR OTHER #

Prepared By:

4/15/2024

 Date

DocuSigned by:

 Marc Hamel, NEPA Specialist, M&N

Prepared For:

DocuSigned by:

 Tieme Peterson, P.E., NCDOT Structures Management Unit

Reviewed By:

4/15/2024

 Date

DocuSigned by:

 Marissa Rodman Cox, Western Regional Team Lead, EPU

Approved

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


or

Certified

If any of the threshold questions (1 through 7) of Section F are answered "yes," NCDOT certifies this Consultation.

4/15/2024

 Date

DocuSigned by:

 David Stotts, PE – PEF/Program Manager SMU
 North Carolina Department of Transportation

FHWA Approved:

FHWA signature required for Projects where an additional threshold has been exceeded or for any Type III CE, FONSI or ROD.

 Date

N/A

 Yolanda K. Jordan, Division Administrator, FHWA

PROJECT COMMITMENTS

Replace Bridge 01 on US 158/NC 86 over Country Line Creek

T.I.P Number:BR-0069

Caswell County

Federal Aid Number: N/A

WBS:67069.1.1

COMMITMENTS FROM PROJECT DEVELOPMENT AND DESIGN

EAU – ECAP - ESA federally protected species in the Study Area

Completed - A biological conclusion of "May Affect, Not Likely to Adversely Affect" was determined for the James spiny mussel, the Roanoke logperch, and the Atlantic pigtoe, the three federally listed species within the BR-0069 project study area per USFWS IPaC database and NOAA NMFS. An aquatic Species Survey Report was prepared in February 2022. USFWS coordination regarding the requirements of Section 7 (a)(2) was completed in February 2022.

Division Office - FEMA Floodplains and Floodways

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

Hydraulics - Floodplain Mapping Coordination

The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine status of project with regard to applicability of NCDOT'S Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).

Fulfilled on 2024-02-09

EAU – ECAP - Tricolored Bat Protection

ECAP or Division Environmental will evaluate measures to Avoid/Minimize Mortality to the Tricolored Bat. No tree clearing will occur within 150 feet of a known maternity roost tree May 1 - July 15 in order to protect non-volant young. Winter roost trees are not considered maternity roost trees. NCDOT will cross-reference information provided by the USFWS for location of maternity trees.

Fulfilled - At this time, no TCB Maternity Roost Trees have been identified in Divisions 1-8.

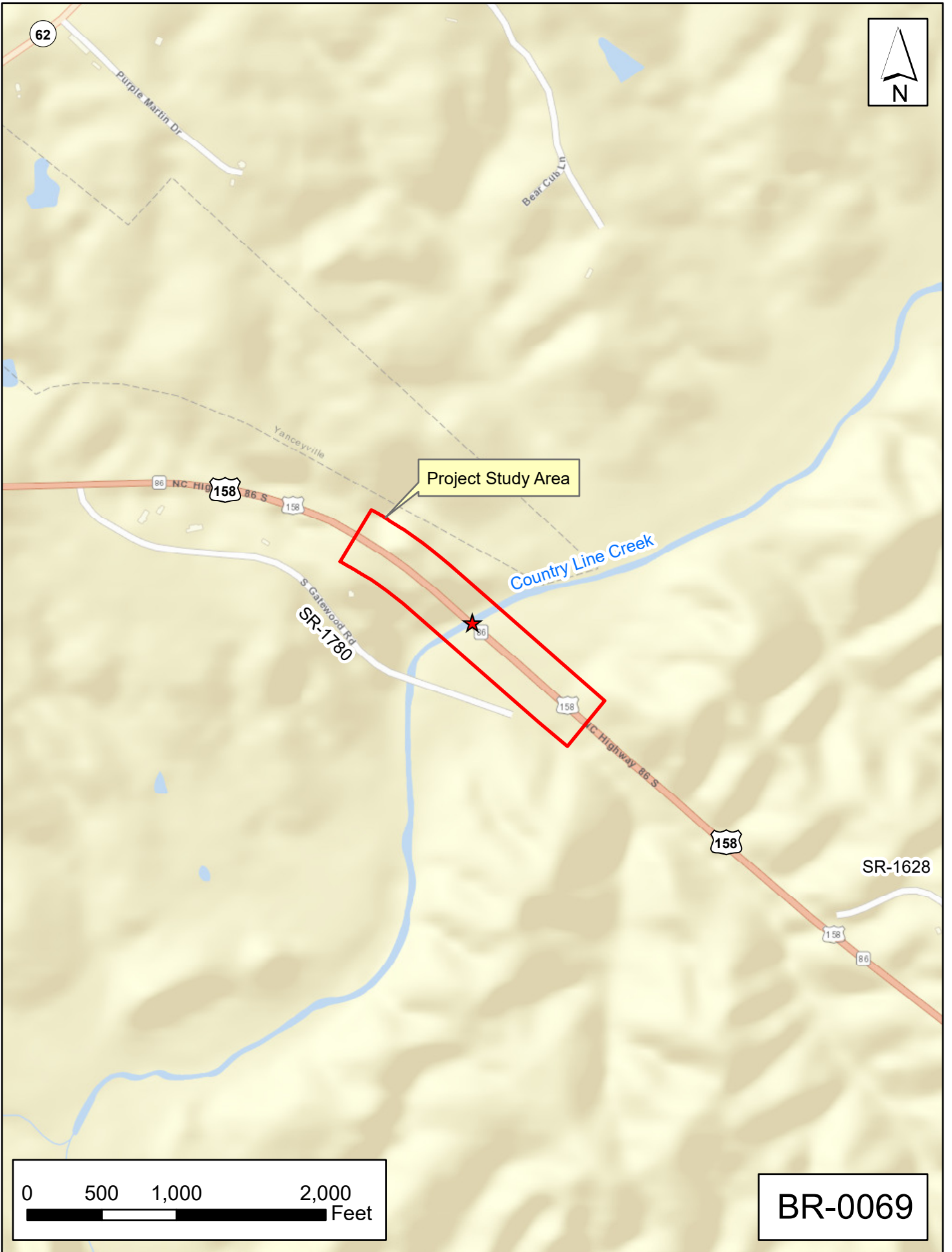
COMMITMENTS FROM PERMITTING

No commitments developed during project permitting.

*******END OF PROJECT COMMITMENTS*******

Replace Bridge 01 on US 158/NC 86 over Country Line Creek

67069.1.1



Project Study Area

Country Line Creek

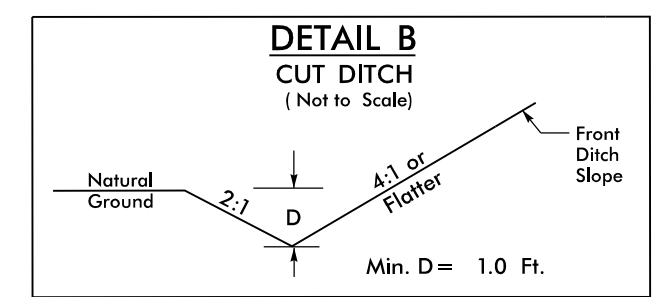
S Gatewood Rd
SR-1780

SR-1628

0 500 1,000 2,000 Feet

BR-0069

8/17/19



FROM STA. -LDET- 11+40 LT TO STA. -LDET- 13+47 LT

-LDET-

PROJECT REFERENCE NO. **BR-0069** SHEET NO. **2B-1**

R/W SHEET NO.

ROADWAY DESIGN ENGINEER

TRENT E. HUFFMAN

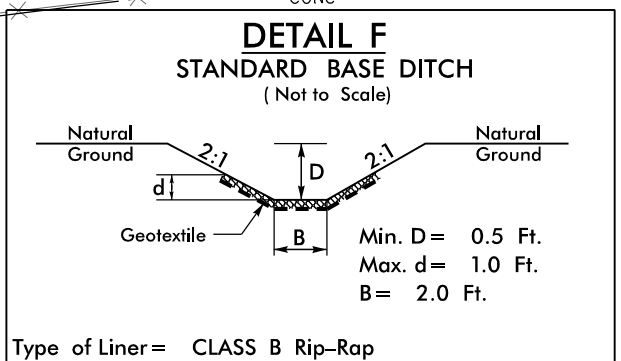
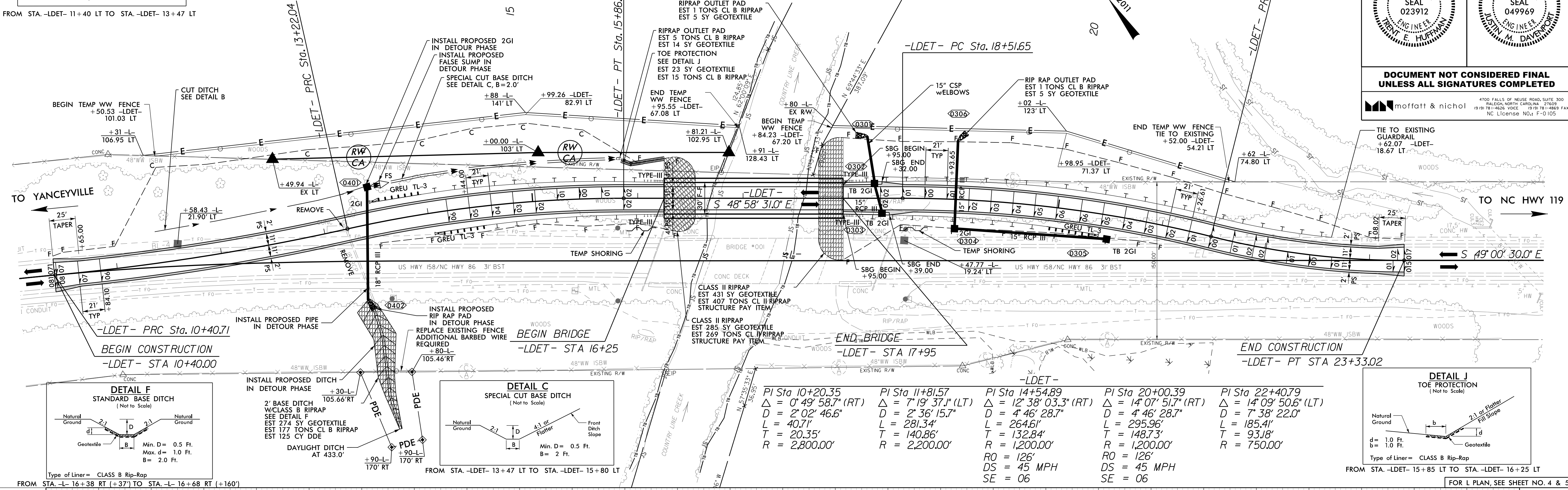
HYDRAULICS ENGINEER

JUSTIN M. DAVISON

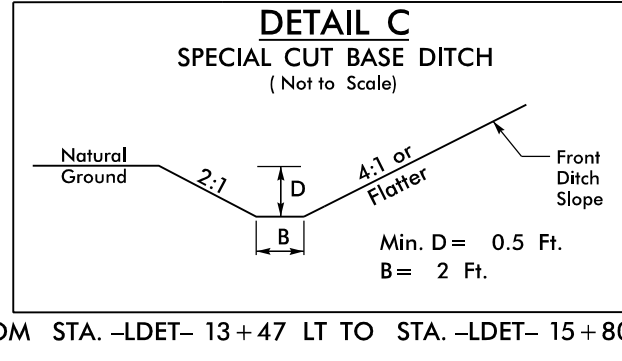
PROJECT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

moffatt & nichol

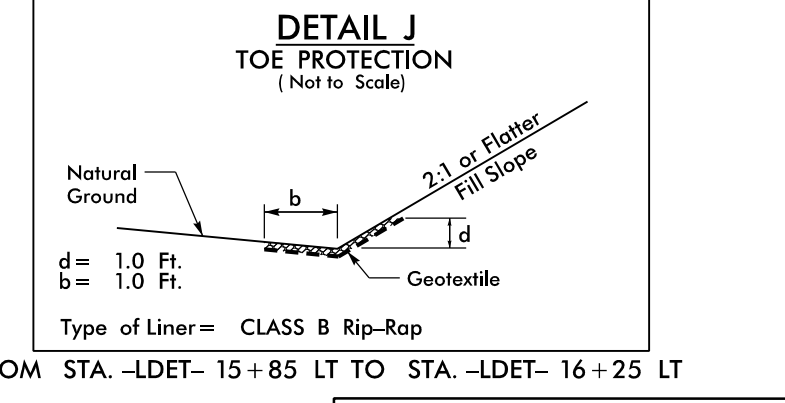
4700 FALLS OF NEUSE ROAD, SUITE 100
RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 VOICE (919) 781-4869 FAX
NC License No. F-0105



FROM STA. -L- 16+38 RT (+37') TO STA. -L- 16+68 RT (+160')

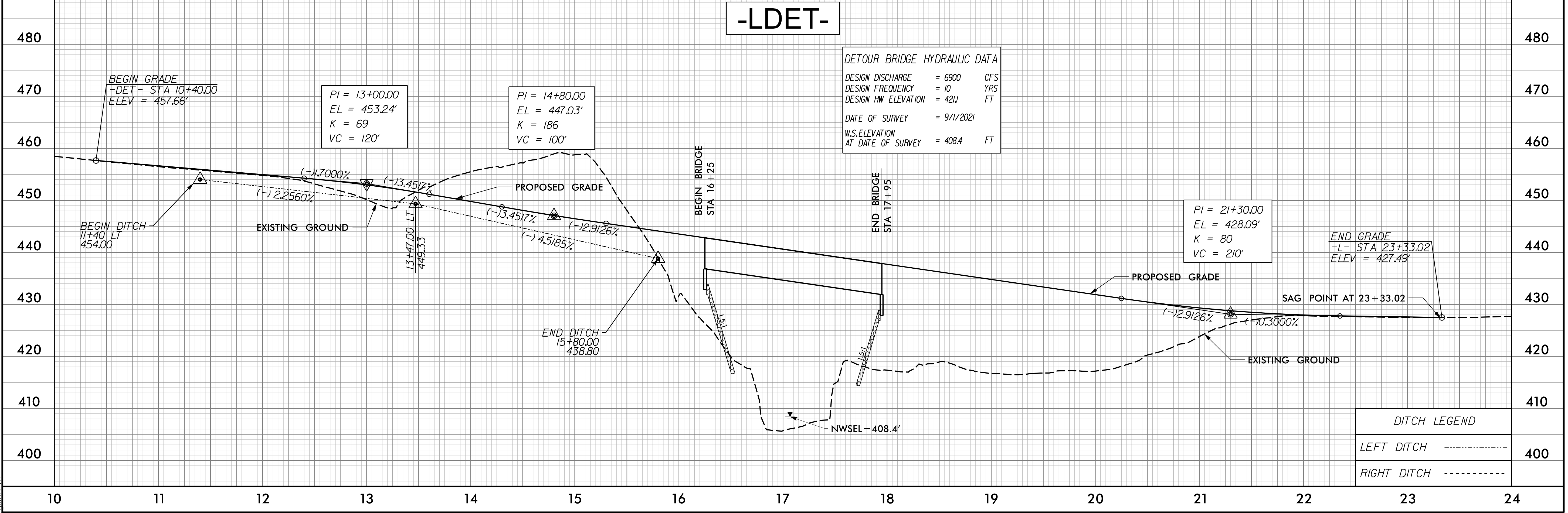


FROM STA. -LDET- 13+47 LT TO STA. -LDET- 15+80 LT



FROM STA. -LDET- 15+85 LT TO STA. -LDET- 16+25 LT

-LDET-



DITCH LEGEND

LEFT DITCH	-----	400
RIGHT DITCH	-----	400

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