



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

July 3, 2023

Addendum No. 1

RE: Contract # C204725
WBS # 45983.3.1
FEDERAL AID NO. 0581032
Nash County (B-5947)
BRIDGE #630091 OVER TAR RIVER ON NC-581.

July 18, 2023 Letting

To Whom It May Concern:

Reference is made to the proposal and plans furnished to you on this project.

The following revisions have been made to the Structures Plans.

Sheet No.	Revision
S-05	Plan Sheet Notes have been revised/deleted.

Please void the above listed Sheet in your Plans and staple the revised Sheet thereto.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads “Includes Addendum No. 1 Dated 07-03-2023”.
ST-2	The Unit Project Special Provision entitled CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 23+90.50 -LREV- has been revised. Third paragraph entitled “Temporary Work Bridge” revised.
P-27 thru P-31	The Unit Project Special Provision entitled PERMITS has been revised. Drawings and impact table have been revised to refer to temporary access instead of temporary work bridge.

Please void the above listed existing Pages in your proposal and staple the revised Pages thereto.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:
Ronald Elton Davenport, Jr.
F81B6038A47A442...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/cms
Attachments

cc: Mr. Boyd Tharrington, PE
Mr. Keith Eason, PE
Mr. Ken Kennedy, PE
Mr. Mike Gwyn
Project File (2)

Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Mr. Jon Weathersbee, PE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 07-03-2023

DATE AND TIME OF BID OPENING: **Jul 18, 2023 AT 02:00 PM**

CONTRACT ID C204725
WBS 45983.3.1

FEDERAL-AID NO. 0581032
COUNTY NASH
T.I.P NO. B-5947
MILES 0.487
ROUTE NO. NC-581
LOCATION BRIDGE #630091 OVER TAR RIVER ON NC-581.

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

ST-2

Project B-5947

Nash County

CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 23+90.50 -LREV-

(SPECIAL)

1.0 GENERAL

Construct, maintain, and remove the temporary access required to provide the working area necessary for construction of the new bridge, construction of the temporary detour structure, or for the removal of an existing bridge, as applicable. Temporary access may involve the use of a rock causeway, a work bridge, or other methods; however, all types of temporary access are required to meet the requirements of all permits, the Standard Specifications, and this Special Provision.

2.0 TEMPORARY ROCK CAUSEWAY

At the contractor's option, construction of a temporary rock causeway within the limits shown on the plans is permitted. Build the causeway with Class II riprap topped by a layer of Class B riprap or as otherwise designated on the plans or approved by the Engineer. If desired, recycle the Class II riprap used in the causeway for placement in the final riprap slope protection as directed by the Engineer. No payment will be made for recycled riprap as this material is considered incidental to the causeway placement and removal. If this option is exercised, no adjustment in contract bid price will be allowed due to an underrun in the quantity of "Rip Rap Class II (2'-0" Thick)".

Completely remove all causeway material including pipes and return the entire causeway footprint to the original contours and elevations within 90 days of the completion of the deck slab or as otherwise required by permits.

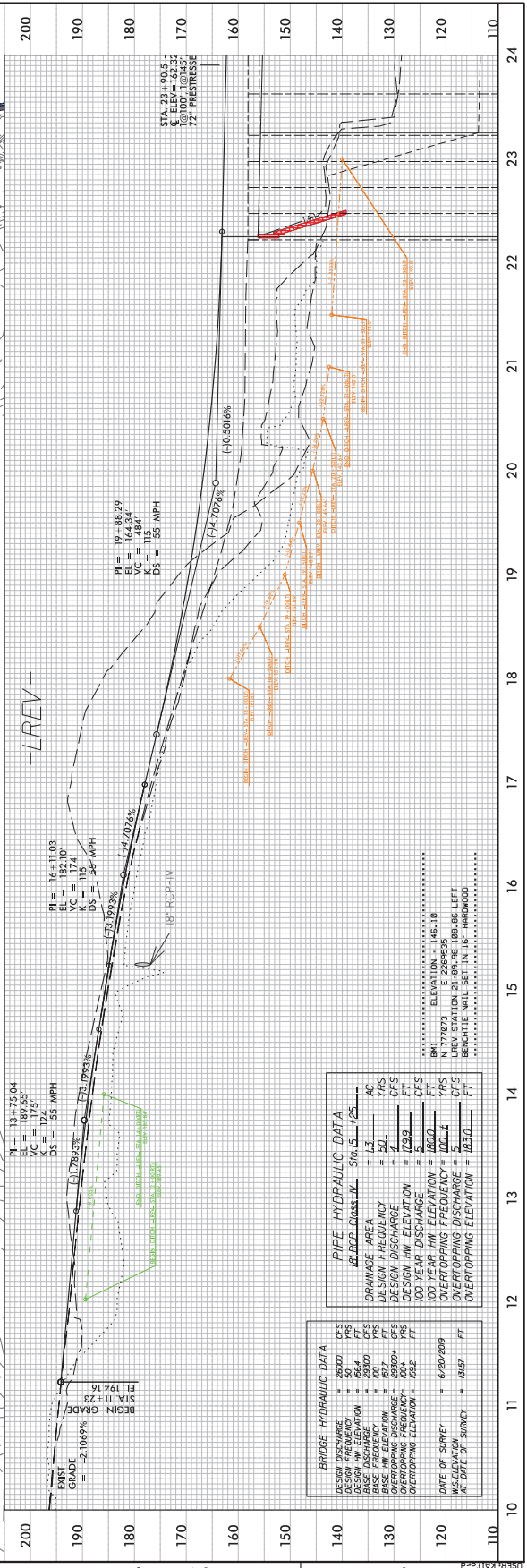
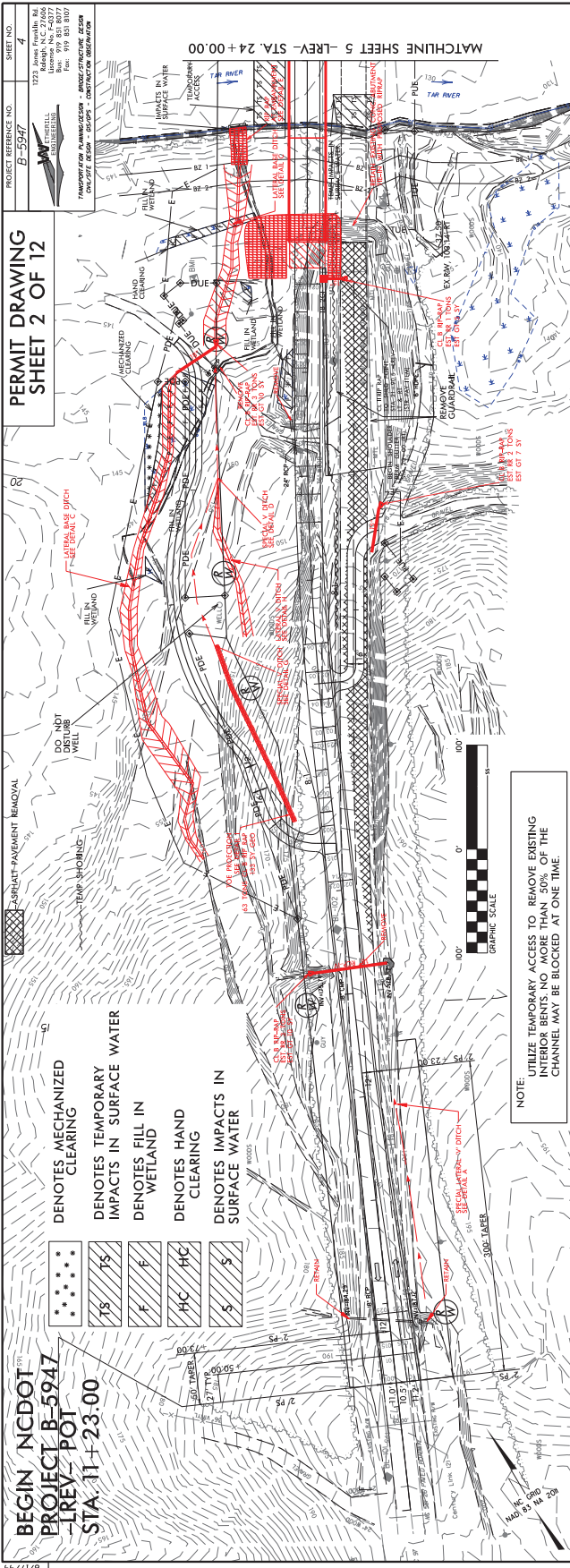
For sites affected by moratoriums or restrictions on in-stream work: Do not construct or remove causeway during the moratorium period shown on the permit. If the completion of the deck slab falls within the prohibitive dates for causeway construction or removal, begin causeway removal immediately following the prohibitive dates.

3.0 TEMPORARY WORK BRIDGE

Construction of a temporary work bridge within the limits shown on the plans is permitted. The temporary work bridge shall have a minimum width of 30 feet and shall span channel with bent spacing and height in compliance with permits. Submit details of the temporary work bridge to the Engineer prior to constructing the work bridge to ensure conformance with the plans and all permits. Completely remove the temporary bridge prior to final acceptance or as otherwise required by the permits.

4.0 BASIS OF PAYMENT

The lump sum price bid for "Construction, Maintenance and Removal of Temporary Access at Station 23+90.50 -LREV-" will be full compensation for the above work, or other methods of access, including all material, pipes, work bridge components, equipment, tools, labor, disposal, and incidentals necessary to complete the work.



BRIDGE HYDRAULIC DATA		PIPE HYDRAULIC DATA	
DESIGN FLOW	5070 CFS	DESIGN FLOW	12,122 CFS
DESIGN HW ELEVATION	156.4 FT	DRAINAGE AREA	1.3 AC
BASE HW ELEVATION	157.7 FT	DESIGN FLOW	50 CFS
DESIGN FLOW	5070 CFS	DESIGN HW ELEVATION	129.9 FT
DESIGN HW ELEVATION	156.4 FT	100 YEAR HW DISCHARGE	5 CFS
BASE HW ELEVATION	157.7 FT	100 YEAR HW ELEVATION	120.4 FT
DESIGN FLOW	5070 CFS	OVERTOPPING DISCHARGE	5 CFS
DESIGN HW ELEVATION	156.4 FT	OVERTOPPING ELEVATION	123.0 FT
DATE OF SURVEY	6/10/2019		
HW ELEVATION	157.7 FT		
DATE OF SURVEY	10/57		

REVISIONS

PROJECT REFERENCE NO. B-5947
 SHEET NO. 4
 TRANSPORTATION PLANNING & DESIGN, INC.
 12220 W. 15th Avenue, Suite 100, Golden, CO 80401
 Phone: 303.440.4400
 Fax: 303.440.4401
 WWW.TPDINC.COM

PROJECT REFERENCE NO. B-5947
 SHEET NO. 4
 TRANSPORTATION PLANNING & DESIGN, INC.
 1323 W. HARRIS BLVD., SUITE 200
 WARRIOR, NC 27886
 PHONE: 919.851.8077
 FAX: 919.851.8107
 TRANSPORTATION PLANNING & DESIGN, INC.
 CIVIL ENGINEERING - PROJECT MANAGEMENT
 CIVIL ENGINEERING - DESIGN

PERMIT DRAWING
 SHEET 3 OF 12

BEGIN NCDOT
 PROJECT B-5947
 -LREV- POT
 STA. 11 + 23.00

MATCHLINE SHEET 5 -LREV- STA. 24 + 00.00

REVISIONS

DO NOT DISTURB WELL

ASPHALT PAVEMENT REMOVAL

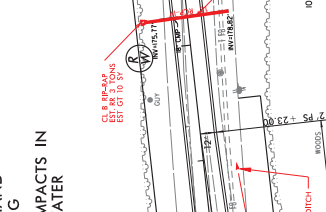
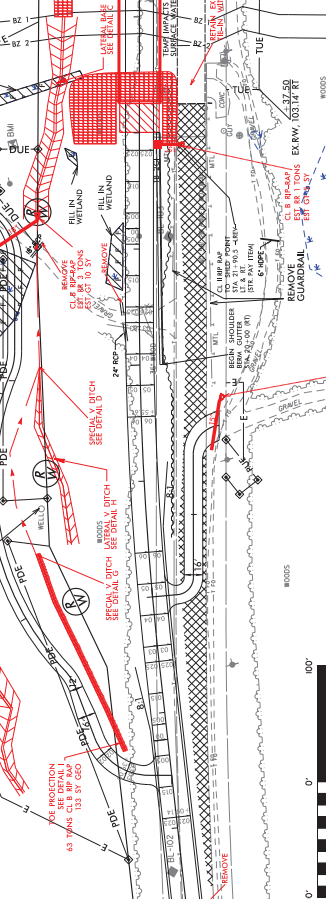
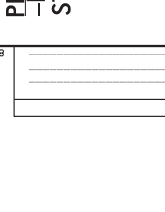
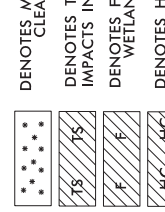
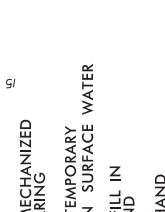
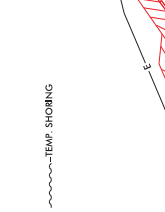
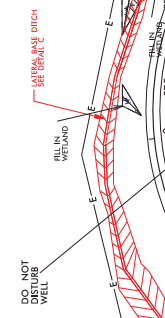
TEMP. SHOULDER

IMPACTS IN SURFACE WATER

IMPACTS IN WETLAND

IMPACTS IN SURFACE WATER

- DENOTES MECHANIZED CLEARING
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING
- DENOTES IMPACTS IN SURFACE WATER



BRIDGE HYDRAULIC DATA

DESIGN FREQ. WIND	+ 50/70	YES
DESIGN FREQ. SEISMIC	+ 150/200	YES
DESIGN HW ELEVATION	+ 156.4	FT
DESIGN DISCHARGE	+ 100	CFS
DESIGN WIND VELOCITY	+ 100	MPH
DESIGN WIND DIRECTION	+ 187	DEG
DESIGN WIND PERIOD	+ 100	SEC
DESIGN WIND RETURN PERIOD	+ 100	YRS
DESIGN WIND OVERTOPPING ELEVATION	+ 159.2	FT
DATE OF SURVEY	+ 6/10/2009	
MS ELEVATION	+ 145.7	FT
DATE OF SURVEY	+ 10/5	FT

PIPE HYDRAULIC DATA

DESIGN FREQ. WIND	+ 50/70	YES
DESIGN FREQ. SEISMIC	+ 150/200	YES
DESIGN HW ELEVATION	+ 156.4	FT
DESIGN DISCHARGE	+ 100	CFS
DESIGN WIND VELOCITY	+ 100	MPH
DESIGN WIND DIRECTION	+ 187	DEG
DESIGN WIND PERIOD	+ 100	SEC
DESIGN WIND RETURN PERIOD	+ 100	YRS
DESIGN WIND OVERTOPPING ELEVATION	+ 159.2	FT
DATE OF SURVEY	+ 6/10/2009	
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DATE OF SURVEY	+ 10/5	FT

BRIDGE HYDRAULIC DATA

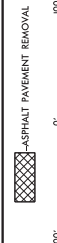
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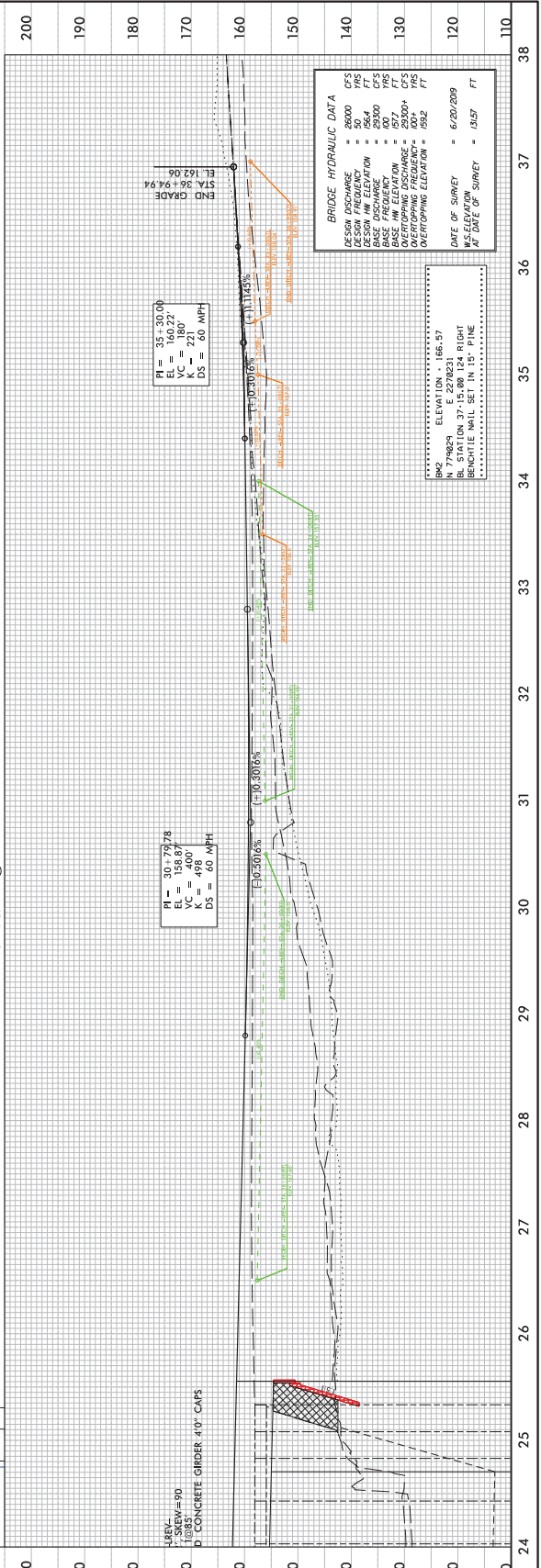
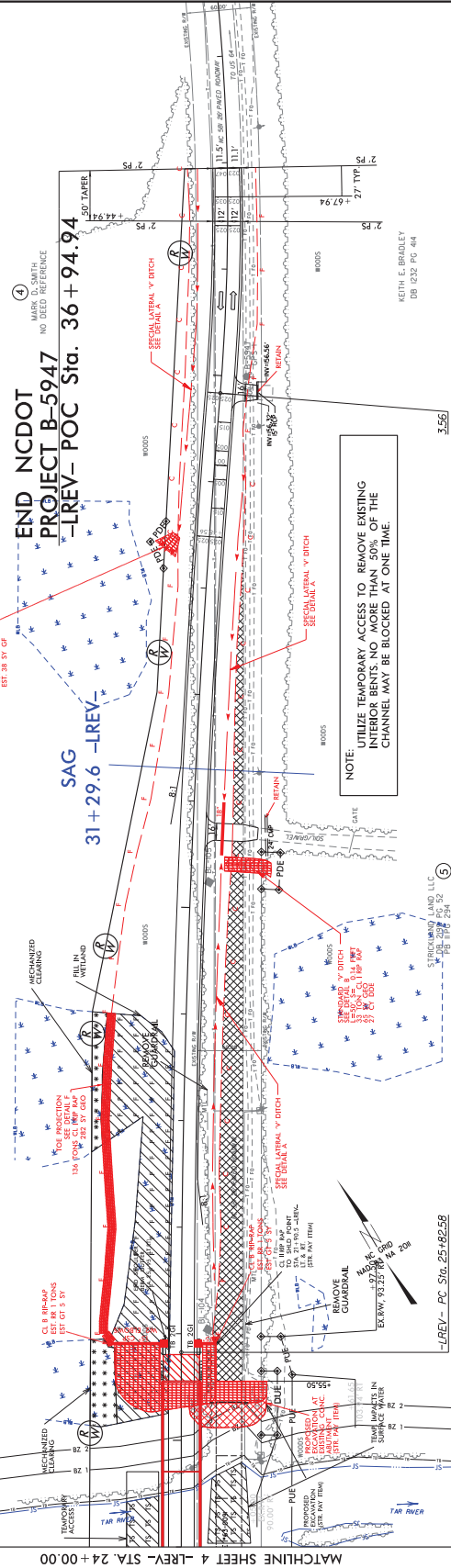
PROJECT REFERENCE NO. B-5947
 SHEET NO. 5
 TRANSPORTATION PLANNING & DESIGN, INC.
 1223 W. HARRIS BLVD.
 RALEIGH, NC 27606
 License No. 40377
 Phone No. 919 851 8100
 Fax No. 919 851 8107

PERMIT DRAWING
 SHEET 5 OF 12



- HC HC DENOTES HAND CLEARING
- S S DENOTES IMPACTS IN SURFACE WATER
- F F DENOTES FILL IN WETLAND
- M M DENOTES MECHANIZED CLEARING
- T T DENOTES TEMPORARY IMPACTS IN SURFACE WATER
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- W W DENOTES FILL IN WETLAND



MATCHLINE SHEET 4 -LREV- STA. 24+00.00

MATCHLINE SHEET 6 -LREV- STA. 38+00.00

WETLAND PERMIT IMPACT 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	-LREV- 10+00 to 41+53	Roadway and Bridge	0.52			0.09	< 0.01	< 0.01	0.08					
1	-LREV- 23+25.5 to 24+70.5	Temporary Access							< 0.01					
TOTALS*:			0.52			0.09	< 0.01	< 0.01	0.08	0	0	0		

*Rounded totals are sum of actual impacts

NOTES:
 Utilize temporary access to remove existing interior bents. No more than 50% of channel may be blocked at one time.
 The Temp. SW Impacts at existing bridge are based on the use of a causeway.
 The Permanent SW impact is due to riprap embankment (131 sq ft).

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 B-5947
 NASH CO.
 7/03/2023

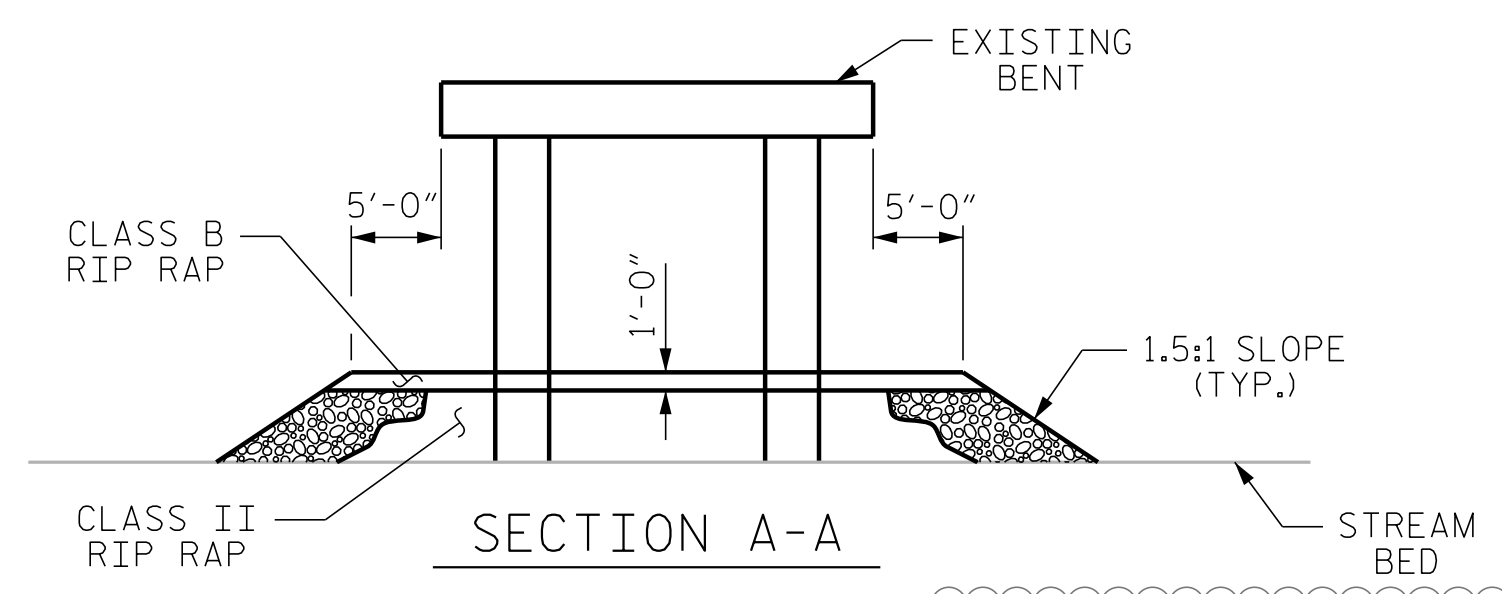
NOTES

FOR CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY ACCESS AT STATION 23+90.50 -LREV-, SEE SPECIAL PROVISIONS.

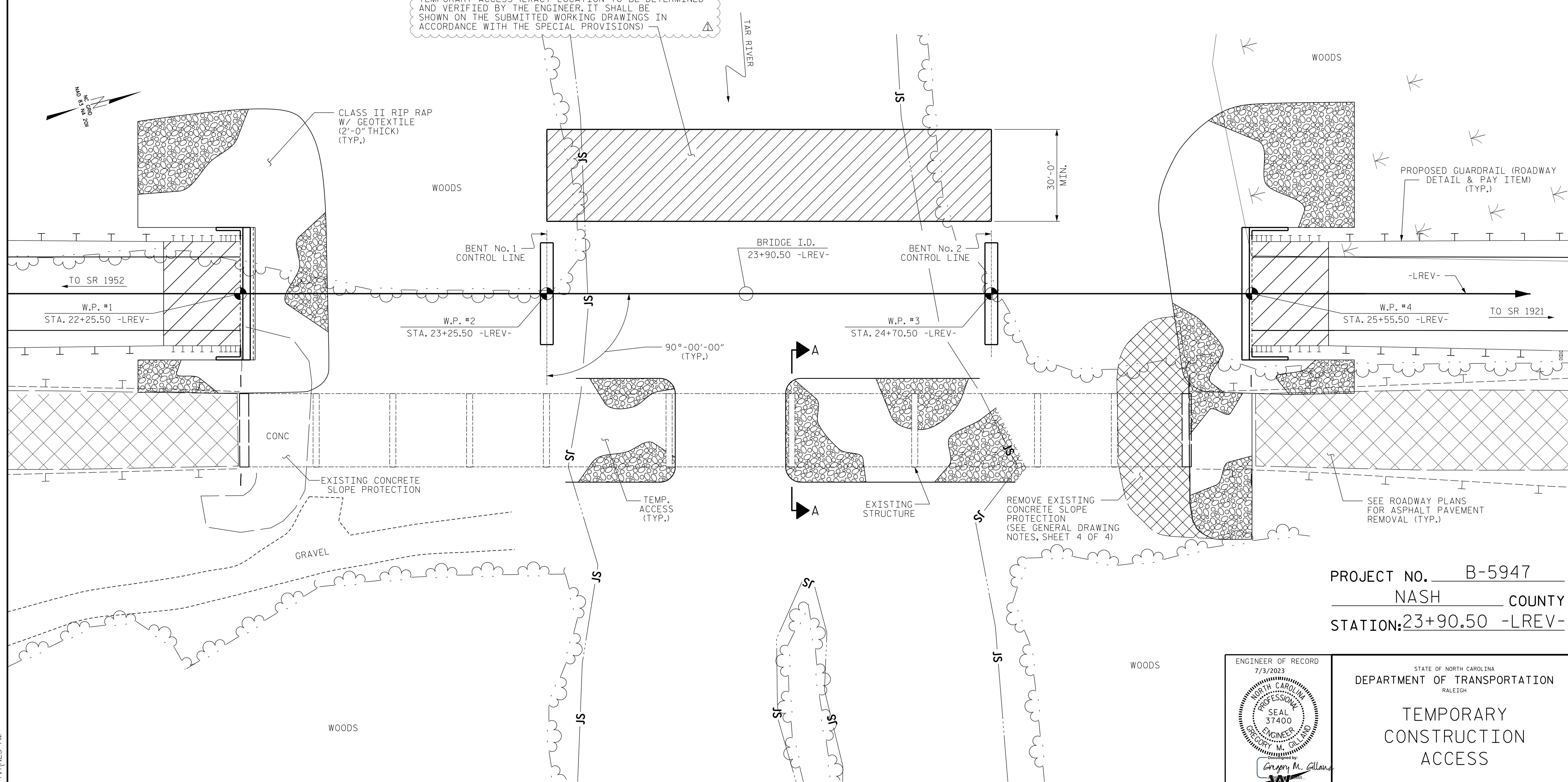
AT THE CONTRACTOR'S OPTION, AND UPON REMOVAL OF THE CAUSEWAY, THE CLASS II RIP RAP USED IN THE CAUSEWAY MAY BE PLACED AS RIP RAP SLOPE PROTECTION. SEE SPECIAL PROVISIONS FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 23+90.50 -LREV-.

IF A TEMPORARY WORK BRIDGE IS UTILIZED THEN IT SHALL BE ILLUMINATED AT NIGHT WITH BLINKING YELLOW LIGHTS AS WELL AS REFLECTIVE SIGNAGE POSTED ON THE UPSTREAM/DOWNSTREAM/LEFT /RIGHT CHANNEL OPENING FOR PUBLIC NAVAGATION SAFETY.

AT NO TIME IS THE TEMPORARY ACCESS PERMITTED TO OBSTRUCT MORE THAN 50% OF STREAM FLOW.



TEMPORARY ACCESS (EXACT LOCATION TO BE DETERMINED AND VERIFIED BY THE ENGINEER. IT SHALL BE SHOWN ON THE SUBMITTED WORKING DRAWINGS IN ACCORDANCE WITH THE SPECIAL PROVISIONS)



PLAN

(PILES FOR END BENTS AND COLUMNS FOR BENTS NOT SHOWN FOR CLARITY)

PROJECT NO. B-5947
NASH COUNTY
 STATION: 23+90.50 -LREV-

ENGINEER OF RECORD
 7/3/2023

 Gregory M. Gilland
 WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 LICENSE NO. F-0377

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**TEMPORARY
 CONSTRUCTION
 ACCESS**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-05
1	JTD	7-3-23	3			TOTAL SHEETS
2			4			39

DRAWN BY: D. HODGE DATE: 6/20
 CHECKED BY: G. GILLAND DATE: 6/20

△ REVISED TEMPORARY ACCESS/WORK BRIDGE NOTES

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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