

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT

Action ID: 200001104(23)
200001472(33)

TIP No. B-3152

State Project No. 8.1442701

County: Cumberland
& Sampson

GENERAL PERMIT (REGIONAL AND NATIONWIDE) VERIFICATION

Property Owner: North Carolina Department of Transportation (NCDOT)
Address: William D. Gilmore, P.E., Manager
Project Development and Environmental Analysis
1548 Mail Service Center
Raleigh, North Carolina 27699-1548

Telephone Number: (910) 733-3141

Size and Location of project (waterway, road name/number, town, etc.): Bridge No. 46 over the South River on NC 242, Cumberland and Sampson Counties, North Carolina.

Description of Activity: Discharge of fill material, including of debris associated with demolition of the existing bridge deck not to exceed 180 cubic yards, permanently impacting a total of 0.75 acres, consisting of 0.53 acres of fill and 0.22 acres of mechanized clearing, of waters of the United States, including wetlands, for construction of TIP Project No. B-3152 for replacement of Bridge No. 46 over the South River on NC 242, Cumberland and Sampson Counties, North Carolina as described in NCDOT letters dated April 13, 2000, November 9, 2000, February 6, 2001, and April 11, 2001. Construction access to the new bridge will utilize a temporary workbridge along the west side of the existing bridge. Bridge No. 46 will be replaced with a new bridge 325 feet long and 30.0 feet wide on new alignment to the west of the existing bridge. Traffic will be maintained on the existing bridge during construction. No in-stream construction activities will take place between April 1 and June 15 of any year to avoid interfering with the spawning of numerous fish species inhabiting the South River. The NCDOT will provide compensatory mitigation for the 0.75 acres of unavoidable wetland losses in accordance with its letter dated April 11, 2001. This verification supercedes the November 29, 2000 and February 28, 2001 verification for this project.

Applicable Law: Section 404 (Clean Water Act, 33 U.S.C. 1344)
 Section 10 (River and Harbor Act of 1899)

Authorization: 23,33 Nationwide Permit Number
 Regional General Permit Number

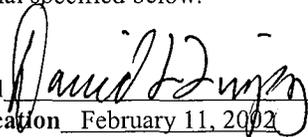
Your work is authorized by this Regional General (RGP) or Nationwide (NWP) Permit provided it is accomplished in strict accordance with the attached conditions and your submitted plans. If your activity is subject to Section 404 (if Section 404 block above is checked), before beginning work you must also receive a Section 401 water quality certification from the N.C. Division of Environmental Management, telephone (919) 733-1786. For any activity within the twenty coastal counties, before beginning work you must contact the N.C. Division of Coastal Management, telephone (919) 733-2293.

Please read and carefully comply with the attached conditions of the RGP or NWP. Any violation of the conditions of the RGP or NWP referenced above may subject the permittee to a stop work order, a restoration order, and/or appropriate legal action.

This Department of the Army RGP or NWP verification does not relieve the permittee of the responsibility to obtain any other required Federal, State, or local approvals/permits. The permittee may need to contact appropriate State and local agencies before beginning work.

If there are any questions regarding this authorization or any of the conditions of the RGP or NWP, please contact the Corps Regulatory Official specified below.

Date May 14, 2001

Corps Regulatory Official  Telephone No. (910) 251-4634

Expiration Date of Verification February 11, 2002

SURVEY PLATS, FIELD SKETCH, WETLAND DELINEATION FORM, ETC., MUST BE ATTACHED TO THE FILE COPY OF THIS FORM, IF REQUIRED OR AVAILABLE.

CF: FHWA, NCDENR-Division of Water Quality, NMFS, NCWRC.

PROJECT COMMITMENTS

Replacement of Bridge No. 46
Over South River on NC 242
Cumberland and Sampson Counties
Federal-Aid No. MABRSTP-242(1), State Project No. 8.1442701
T.I.P. No. B-3152

Commitments Developed Through Project Development and Design

Roadway Design Unit, Division 6 Construction Office

- In addition to Best Management Practices (BMPs), “Design Standards in Sensitive Watersheds” and “Stream Crossing Guidelines for Anadromous Fish Passage” will be implemented and adhered to during the life of the project.

Roadway Design Unit, Roadside Environmental Unit, Division 6 Construction Office

- All conditions and requirements outlined in NCDOT’s “Guidelines for the Location and Design of Hazardous Spill Basins” will be followed for this project. This project will include one or more hazardous spill catch basins, as dictated by design criteria and site conditions, to help protect the water of the South River from possible contamination from accidental spills of fuels, oils, or other materials at the bridge site.
- Once the construction of the new bridge and approaches are complete, the existing bridge will be removed. The majority of the existing approach fill will be removed to natural grade and the area will be planted with native grasses and/or tree species as appropriate. Since the area is deemed suitable for mitigation of wetland impacts, it will be used as such. (see attached Restoration Plan, revised May 11, 2001)

Roadway Design Unit, Roadside Environmental Unit, Division 6 Construction Office, Structure Design

- NCDOT will adhere to BMPs for “Bridge Demolition and Removal” during the removal of Bridge No. 46.

Commitments Developed Through Permitting

Roadway Design Unit, Division 6 Construction Office, Structure Design

- No in-stream construction activities will take place between April 1 and June 15 of any year to avoid interfering with the spawning of numerous fish species inhabiting the South River.
- All temporary fill will be placed on geo-textile fabric.
- A temporary workbridge will be utilized on the west side of the existing bridge.

Roadway Design Unit, Division 6 Construction Office, Roadside Environmental Unit, Contracts & Proposals, PDEA

- The NCDOT will provide compensatory mitigation for 0.25 acres of unavoidable wetland losses in accordance with the NCDOT letter dated April 11, 2001 and

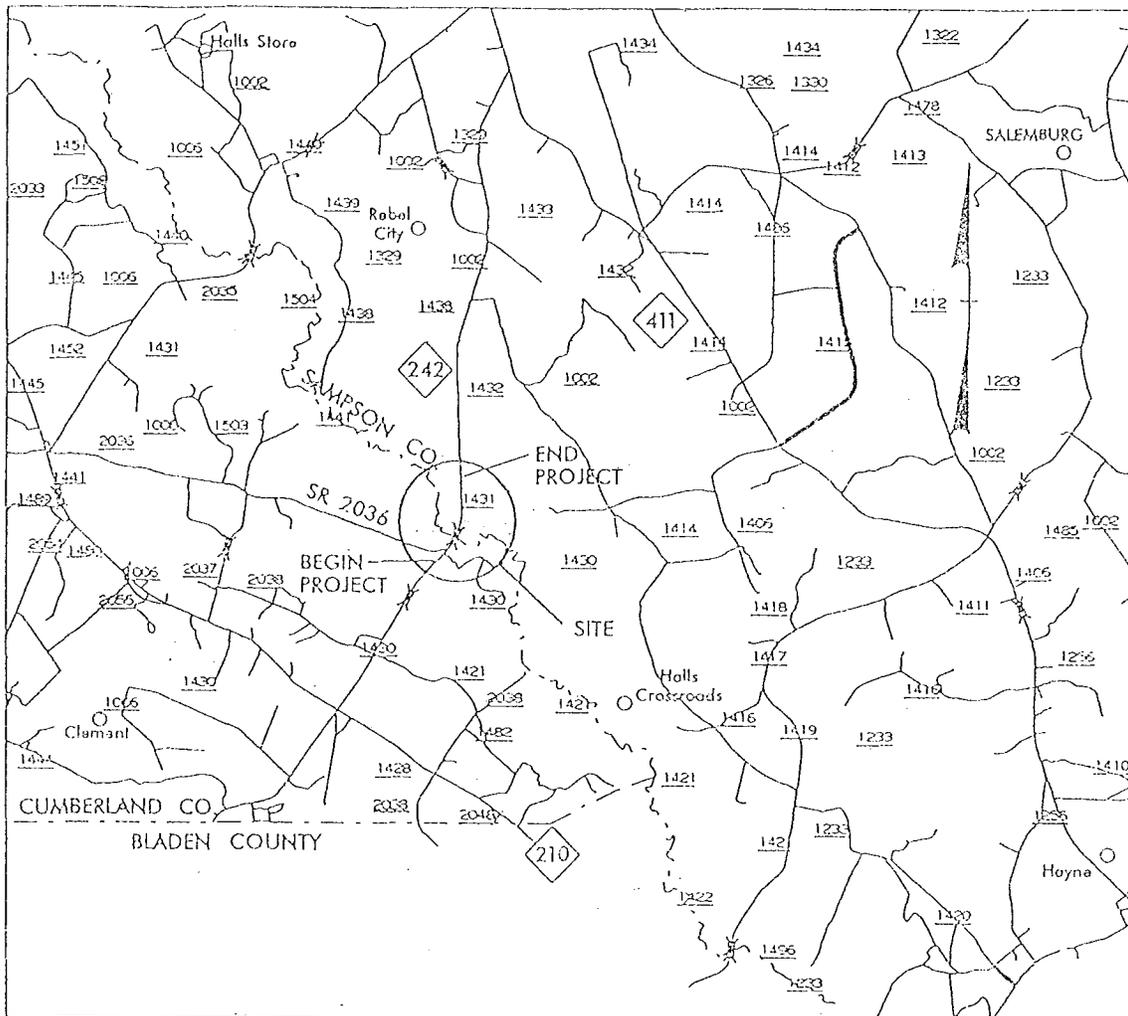
PROJECT COMMITMENTS

the Restoration Plan, revised May 11, 2001 (attached). The letter specifies that 0.25 acres of onsite restoration will occur by restoring a portion of the old roadbed.

- Planting will occur between the first December 15 to March 15 time interval following completion of the project.
- Pictorially measured, photos will be provided at an annual monitoring meeting.
- At the end of the third year, NCDOT, regulatory, and resource agencies will meet on site to determine 75% survivability.

Roadway Design Unit, Division 6 Construction Office

- No material associated with bridge removal and demolition will be permanently discharged into the South River.



N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 CUMBERLAND / SAMPSON COUNTY
 PROJECT: 8.1442701, B-3152
 BRIDGE NO. 46 ON NC 242
 OVER THE SOUTH RIVER

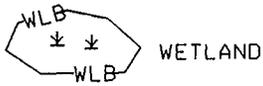
VICINITY MAP

SHEET 1 OF 7

3-26-01

LEGEND

—WLB— WETLAND BOUNDARY



← ← FLOW DIRECTION

—TB— TOP OF BANK

—WE— EDGE OF WATER

—C— PROP. LIMIT OF CUT

—F— PROP. LIMIT OF FILL

▲ PROP. RIGHT OF WAY

—NG— NATURAL GROUND

—PL— PROPERTY LINE

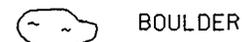
—TDE— TEMP. DRAINAGE EASEMENT

—PDE— PERMANENT DRAINAGE EASEMENT

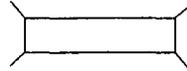
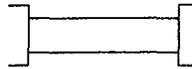
—EAB— EXIST. ENDANGERED ANIMAL BOUNDARY

—EPB— EXIST. ENDANGERED PLANT BOUNDARY

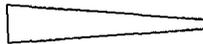
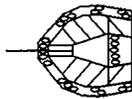
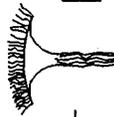
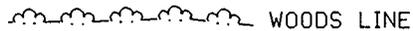
▽ WATER SURFACE



— — — CORE FIBER ROLLS



(DASHED LINES DENOTE EXISTING STRUCTURES)



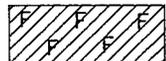
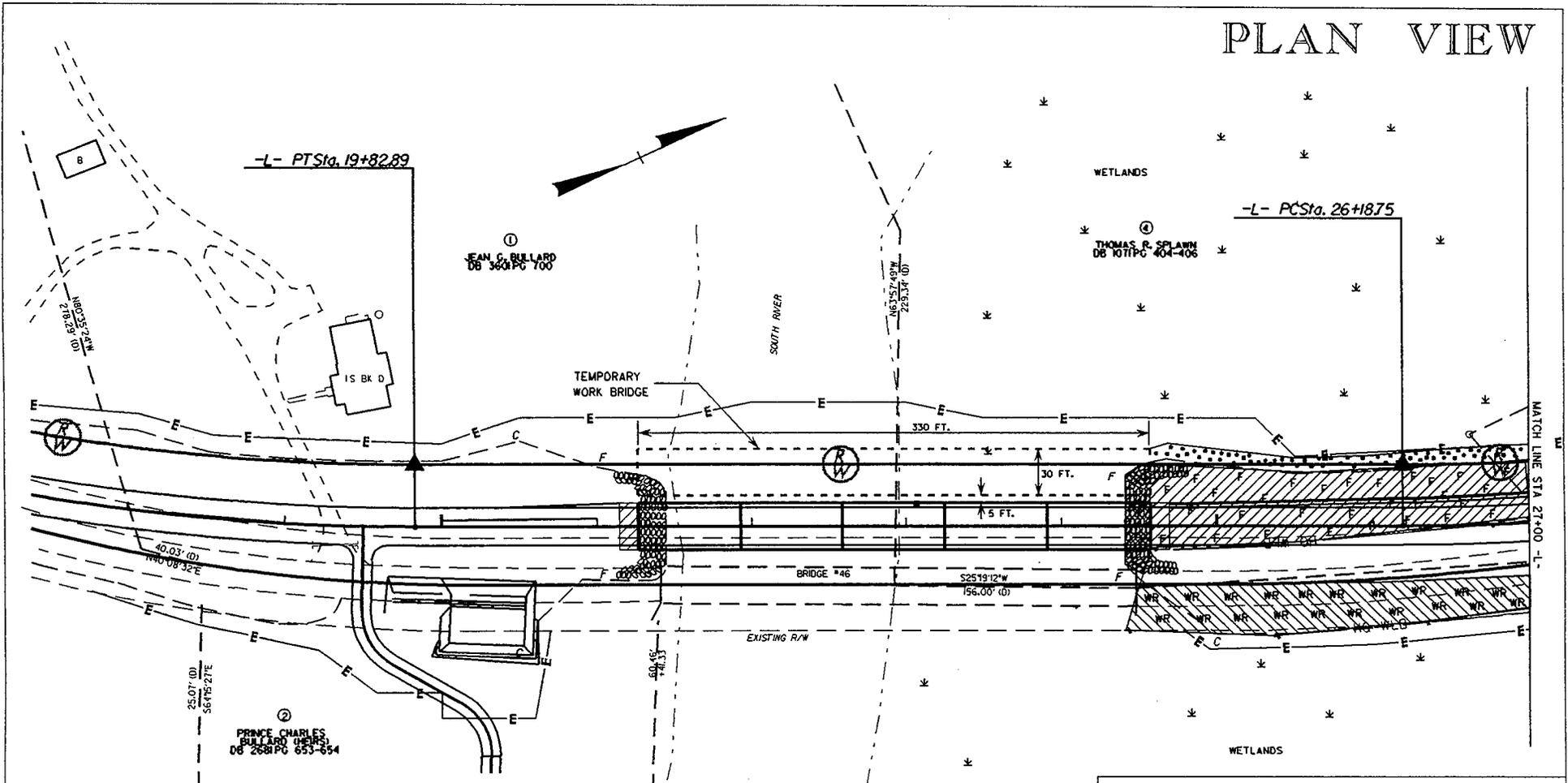
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**N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
SAMPSON/CUBERLAND COUNTY
PROJECT: 8.1442701 B-3152**

**BRIDGE NO. 46 ON NC 242
(SOUTH RIVER)**

SHEET 2 OF 7

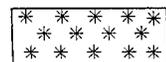
PLAN VIEW



DENOTES FILL IN WETLANDS



DENOTES WETLANDS RESTORATION



DENOTES MECHANIZED CLEARING

NOTE: NO GRUBBING UNDER THE WORK BRIDGE

SCALE 1" = 100'



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 CUMBERLAND/SAMPSON COUNTY

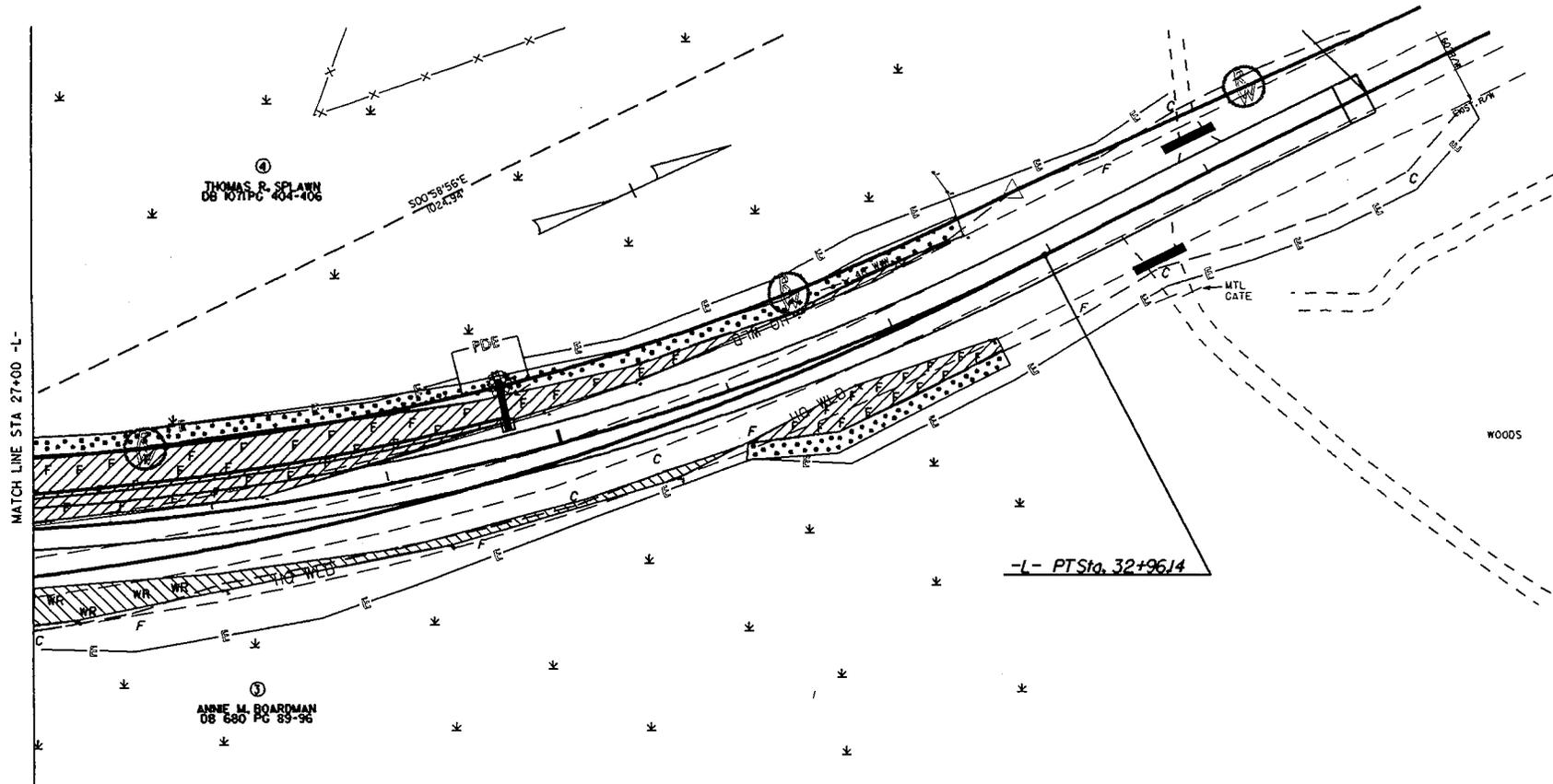
PROJECT: 8.1442701 (B-3152)

BRIDGE NO. 46 ON NC 242
 OVER THE SOUTH RIVER

SHEET 3 OF 7

3/26/01

PLAN VIEW



DENOTES WETLANDS RESTORATION

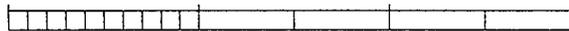


DENOTES FILL IN WETLANDS



DENOTES MECHANIZED CLEARING

SCALE 1" = 100'



N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 CUMBERLAND/SAMPSON COUNTY

PROJECT: 8.1442701 (B-3152)

BRIDGE NO. 46 ON NC 242
 OVER THE SOUTH RIVER

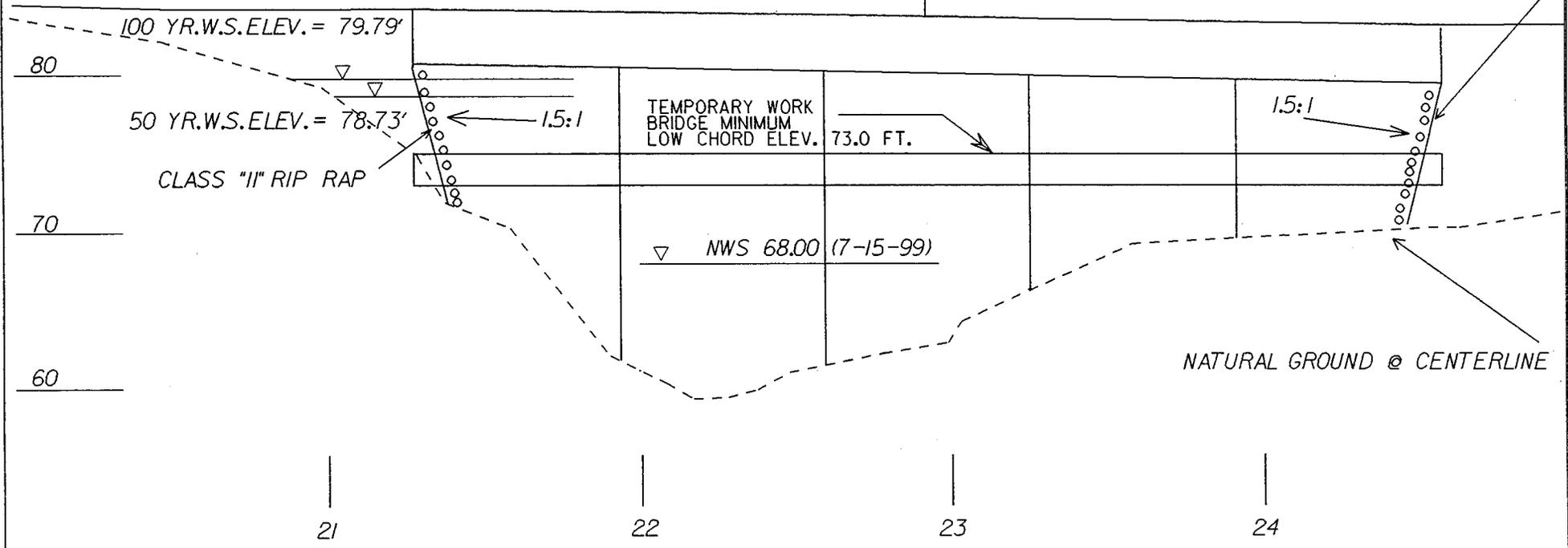
SHEET 4 OF 7

3/26/01

STA 22+92.00 -L-
 STEEL GIRDERS
 GRADE POINT ELEV 83.75
 SPANS : 5 @ 66'
 90° SKEW

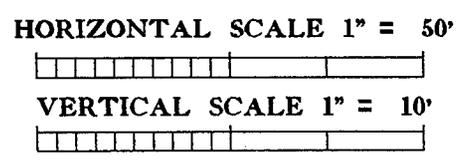
(- 0.300 %)

CLASS "II" RIP RAP

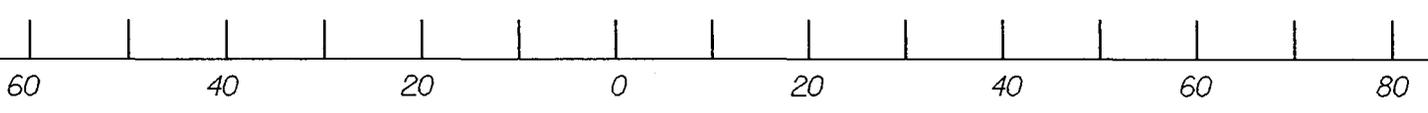
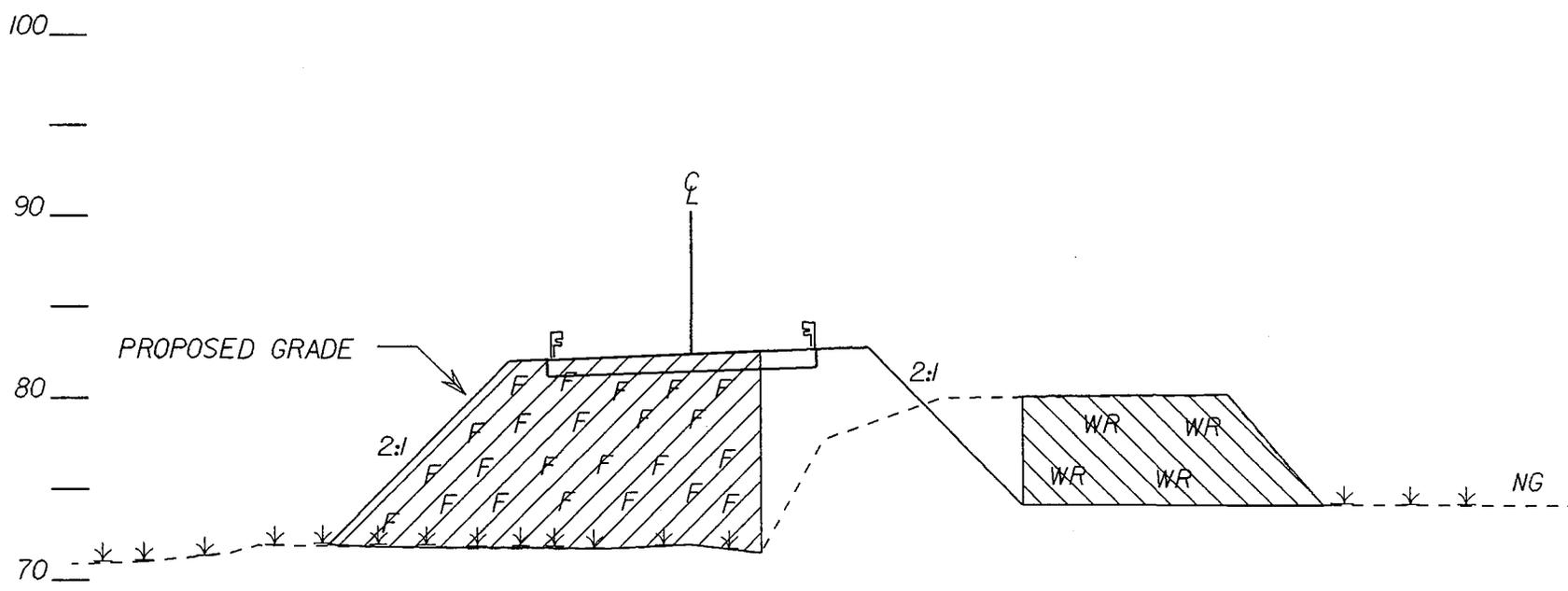


NOTE: THERE WILL BE A DECK DRAIN SYSTEM USED ON THE BRIDGE

PROFILE VIEW



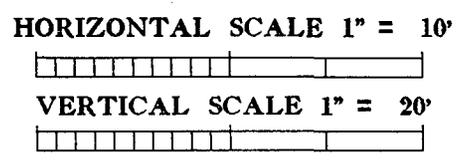
N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 CUMBERLAND - SAMPSON COUNTY
 PROJECT: 8.1442701 (B-3152)
 BRIDGE NO. 46
 OVER SOUTH RIVER ON NC 42
 SHEET 5 OF 7
 3/26/01



-  EXCAVATION FOR WETLAND RESTORATION
-  DUNES FILL IN WETLAND

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 PROJECT: 8.1442701 (B-3152)
 BRIDGE NO. 46
 OVER SOUTH RIVER ON NC 42
 SHEET 6 OF 7 3/26/01

SECTION VIEW
-L- STA 25 + 00



SUMMARY

Site No.	Station (From/To)	Structure Size	WETLAND IMPACTS					SURFACE WATER IMPACTS						
			Fill In Wetlands (acres)	Temp. Fill In Wetlands (acres)	Excavation In Wetlands (acres)	Interchange Isolated Wetland (acres)	Mechanized Clearing (Method III) (acres)	Fill In SW (Natural) (acres)	Fill In SW (Pond) (acres)	Temp. Fill In SW (acres)	Existing Channel Filled (ft)	Relocated Channel (ft)	Enclosed Channel (ft)	
I	-L- 21+50 TO	BRG. And												
	-L- 32+60	WORK BRG>	0.53		-	-		0.22	-	-		-	-	-
TOTALS:			0.53	0	0	0	0	0.22	0	0	0	0	0	0

NOTE : .25 AC OF WETLAND RESTORED RT OF -L- STA 25+00 TO 31+00.
SEE PERMIT

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SHEET 7 OF 7

3/26/01