



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

October 29, 2004

U. S. Army Corps of Engineers
Regulatory Field Office
151 Patton Avenue, Room 208
Asheville, NC 28801-5006

ATTN: Ms. Angie Pennock
NCDOT Coordinator

Dear Madam:

SUBJECT: **Revised Permit Drawings for Nationwide Permit Application 23 and 33** for the proposed replacement of Bridge No. 328 on SR 1001 (Bailey's Branch Road/Meadows Town Road) over the French Broad River, Madison County in Division 13. Federal Project No. BRZ-1001(14), State Project No. 8.2860401, T.I.P. No. B-2583.

Please reference the original permit application for Nationwide Permits 23 and 33 dated May 17, 2004. Design changes have resulted in a need to adjust the configuration of the temporary construction causeways. Longer spans will allow for two of the originally planned bents to be removed, thus providing additional avoidance and minimization. The total temporary fill in surface waters has increased from 0.523 ha to 0.57 ha. However, the causeways have also been redesigned to allow for more water flow by providing 10 additional cross pipes resulting in the installation of 15 pipes to be constructed in the causeway.

The attached revised permit drawings also addresses the incomplete application notice received from the U.S. Army of Engineers dated August 6, 2004.

Thank you for assistance with this project. If you have any questions or need additional information please call Chris Manley at (919) 715-1487 or e-mail cdmanley@dot.state.nc.us .

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory J. Thorpe" with a stylized flourish at the end.

Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

GJT/cdm

cc:

w/ attachment

Mr. John Hennessy, Division of Water Quality (7 copies)
Ms. Marella Buncick, USFWS
Ms. Marla Chambers, NCWRC
Mr. Harold Draper, TVA
Mr. David Chang, P.E., Hydraulics
Mr. Greg Perfetti, P.E., Structure Design
Mr. J. J. Swain, P.E., Division 13 Engineer
Mr. Roger Bryan, Division 13 DEO

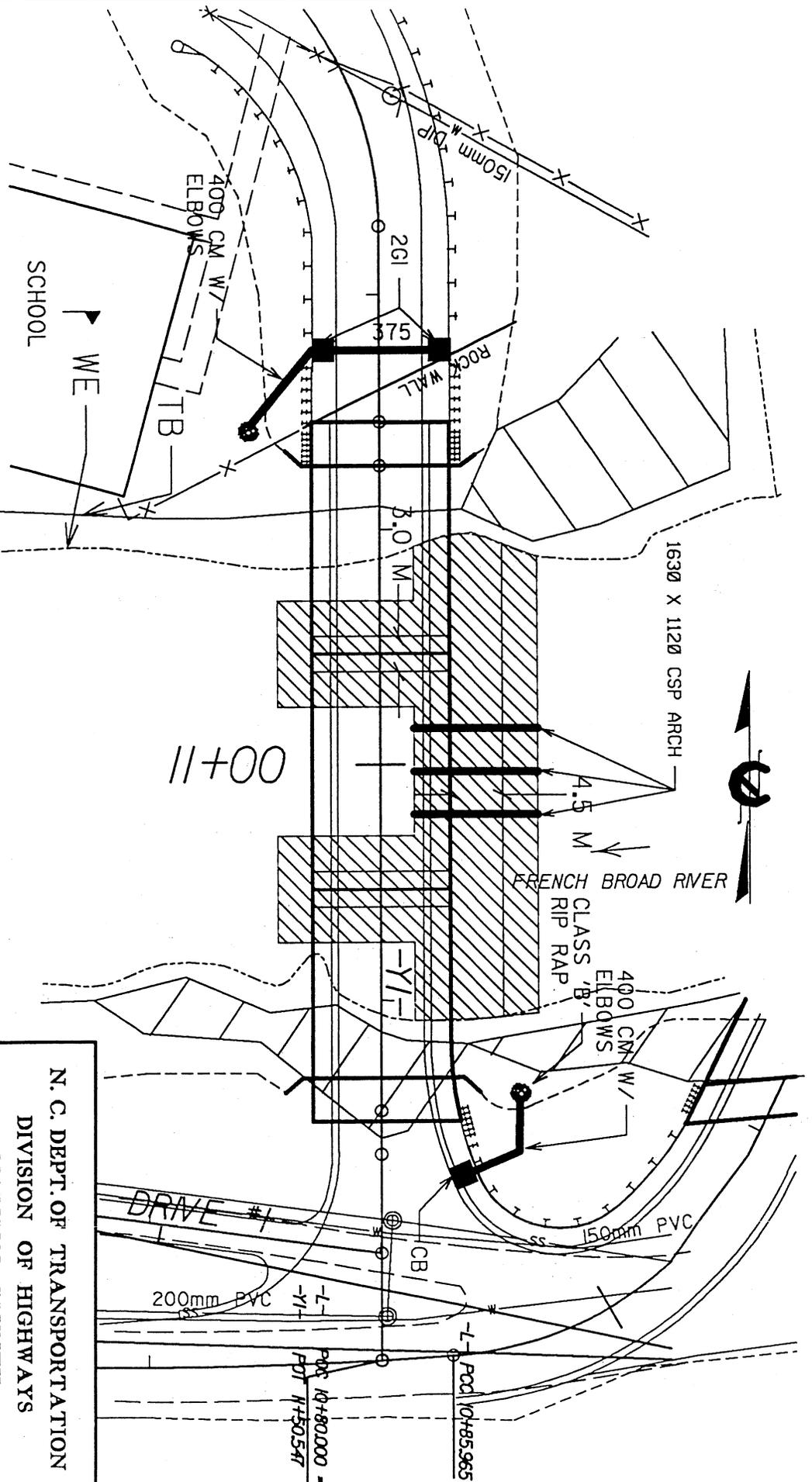
w/o attachment

Mr. Jay Bennett, P.E., Roadway Design
Mr. Omar Sultan, Programming and TIP
Mr. Art McMillan, P.E., Highway Design
Mr. Mark Staley, Roadside Environmental
Mr. David Franklin, USACE, Wilmington (Cover Letter Only)
Ms. Stacy Baldwin, P.E., PDEA Project Planning Engineer



 DENOTES TEMPORARY FILL
SURFACE WATERS
(CAUSEWAY)

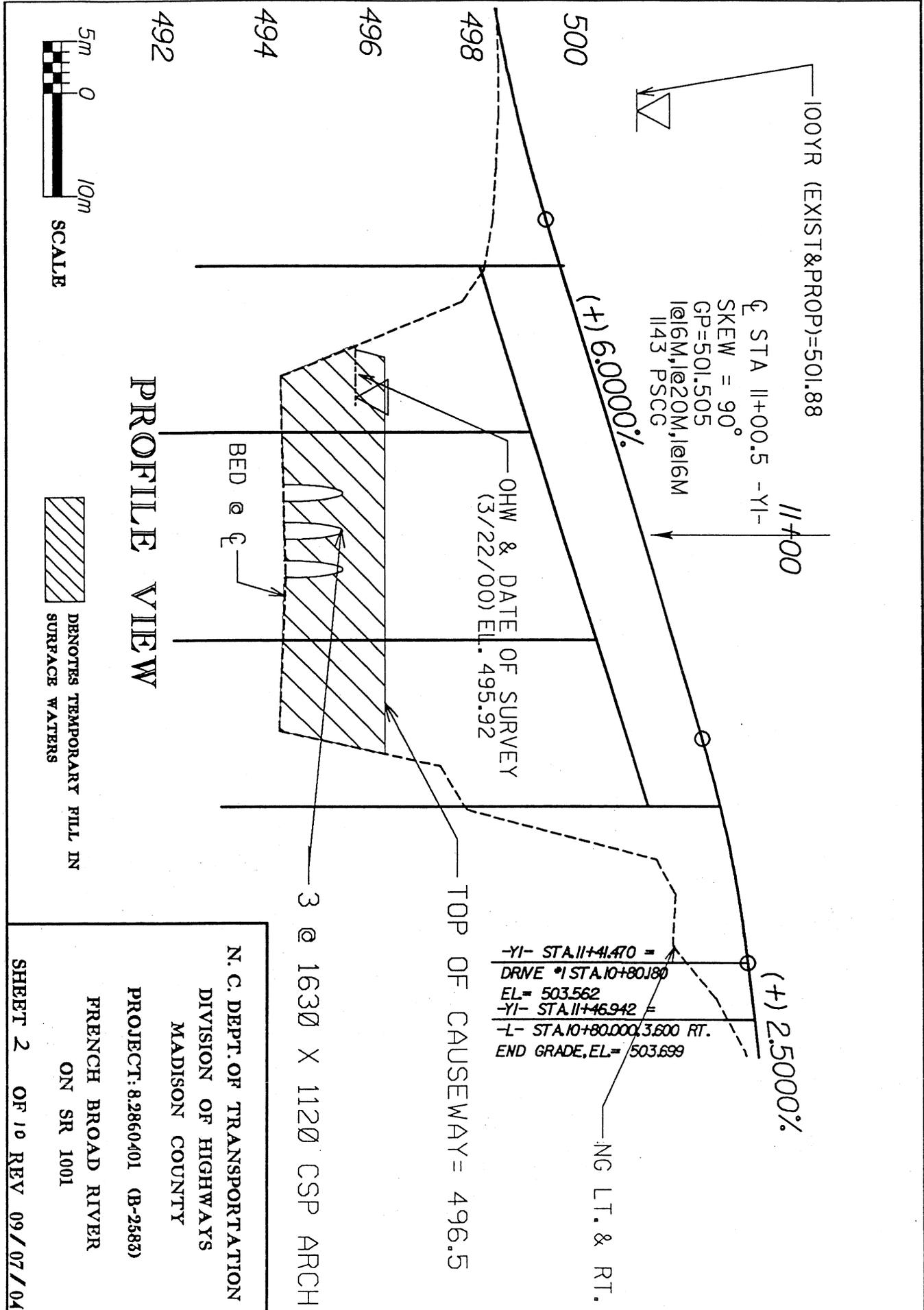
PHASE I PLAN VIEW



N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
MADISON COUNTY

PROJECT: 8.2860401 (B-2585)
BRIDGE NO. 298 OVER
FRENCH BROAD RIVER
ON SR 1001

SHEET 1 OF 10 REV 09/07/04



100YR (EXIST&PROP)=501.88

CL STA 11+00.5 -YI-

SKEW = 90°

GP=501.505

1@16M, 1@20M, 1@16M

1143 PSCG

(+) 6.0000%

11+00

OHW & DATE OF SURVEY
(3/22/00) EL. 495.92

BED @ CL

PROFILE VIEW



DENOTES TEMPORARY FILL IN SURFACE WATERS

(+) 2.5000%

-YI- STA. 11+41.470 =
DRIVE #1 STA. 10+80.180

EL = 503.562

-YI- STA. 11+46.942 =

-L- STA. 10+80.000, 3.600 RT.

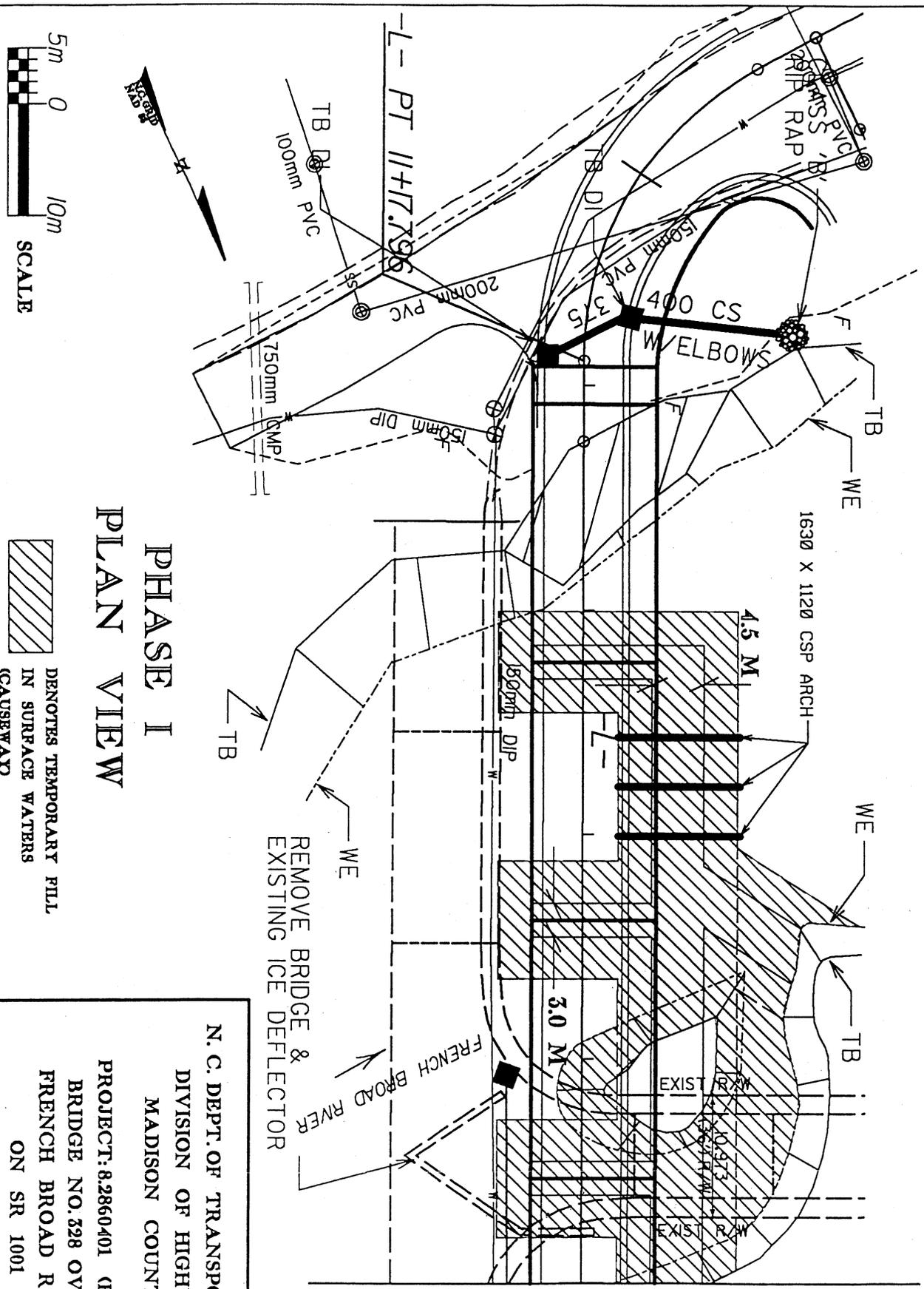
END GRADE, EL = 503.699

TOP OF CAUSEWAY = 496.5

3 @ 1630 X 1120 CSP ARCH

NG LT. & RT.

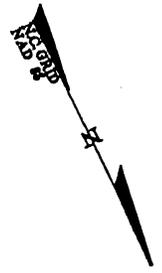
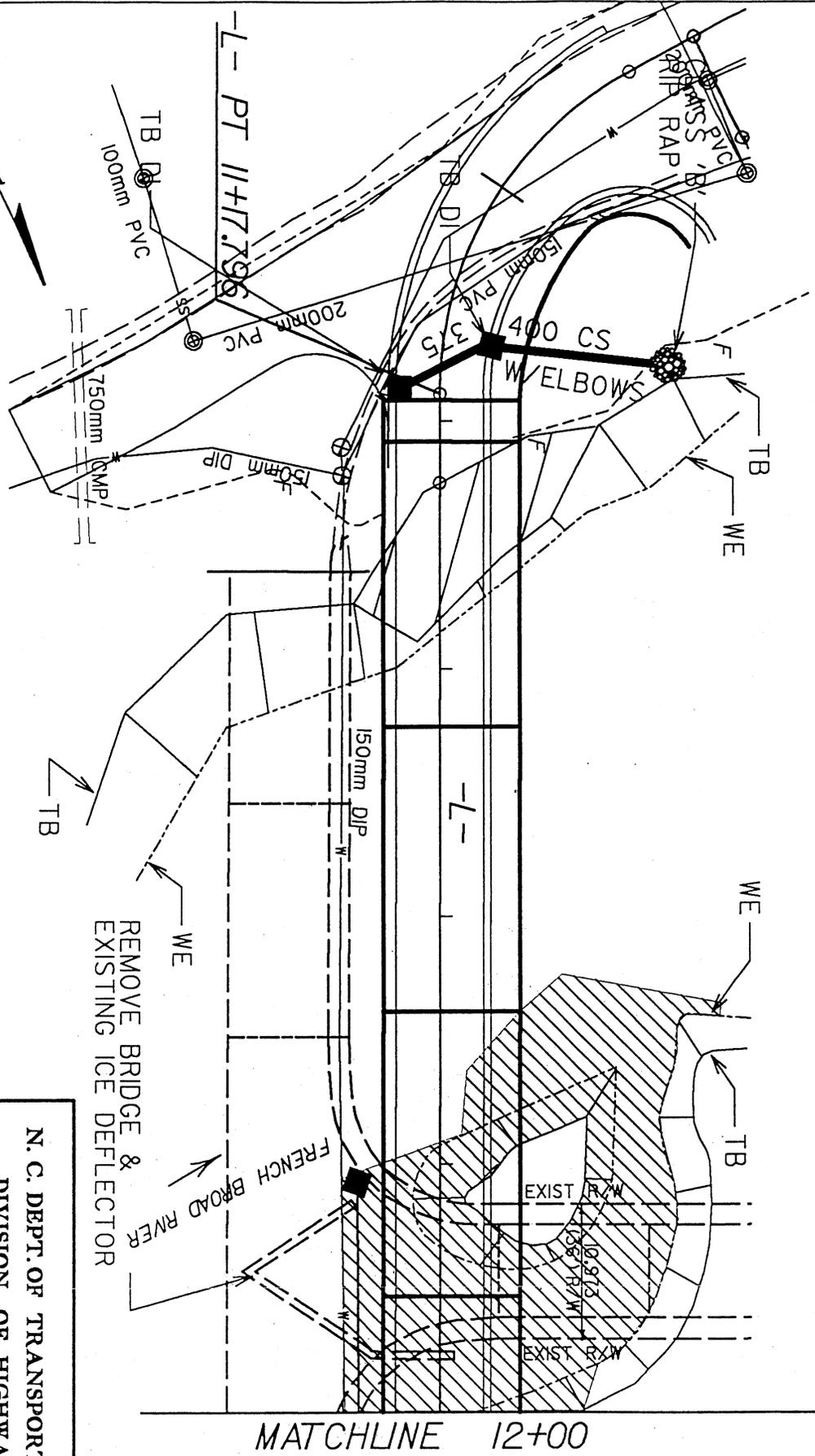
N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
MADISON COUNTY
PROJECT: 8.2860401 (B-2585)
FRENCH BROAD RIVER
ON SR 1001
SHEET 2 OF 10 REV 09/07/04



**PHASE I
PLAN VIEW**

 DENOTES TEMPORARY FILL
 IN SURFACE WATERS
 (CAUSEWAY)

N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 MADISON COUNTY
 PROJECT: 8.2860401 (B-2583)
 BRIDGE NO. 328 OVER
 FRENCH BROAD RIVER
 ON SR 1001
 SHEET 3 OF 10 REV 09/07/04



PHASE II PLAN VIEW

 DENOTES TEMPORARY FILL
IN SURFACE WATERS
(CAUSEWAY)

REMOVE BRIDGE &
EXISTING ICE DEFLECTOR

MATCHLINE 12+00

N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
MADISON COUNTY

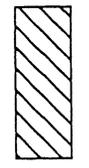
PROJECT: 8.2860/01 (B-2583)
BRIDGE NO. 328 OVER
FRENCH BROAD RIVER
ON SR 1001

SHEET 4 OF 10 REV 08/26/04

MATCHLINE 12+00

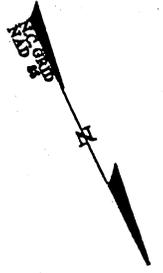
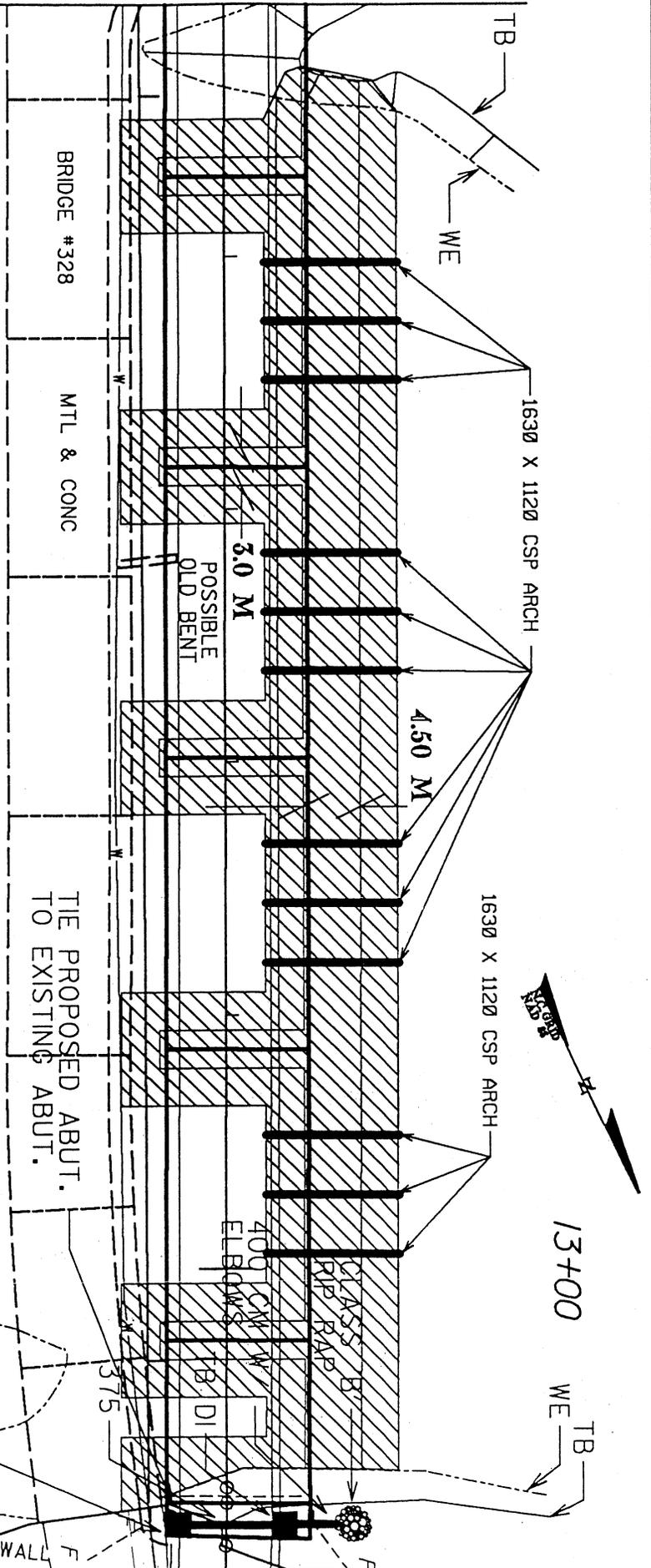


PHASE II CONT
PLAN VIEW



DENOTES TEMPORARY FILL
IN SURFACE WATERS
(CAUSEWAY)

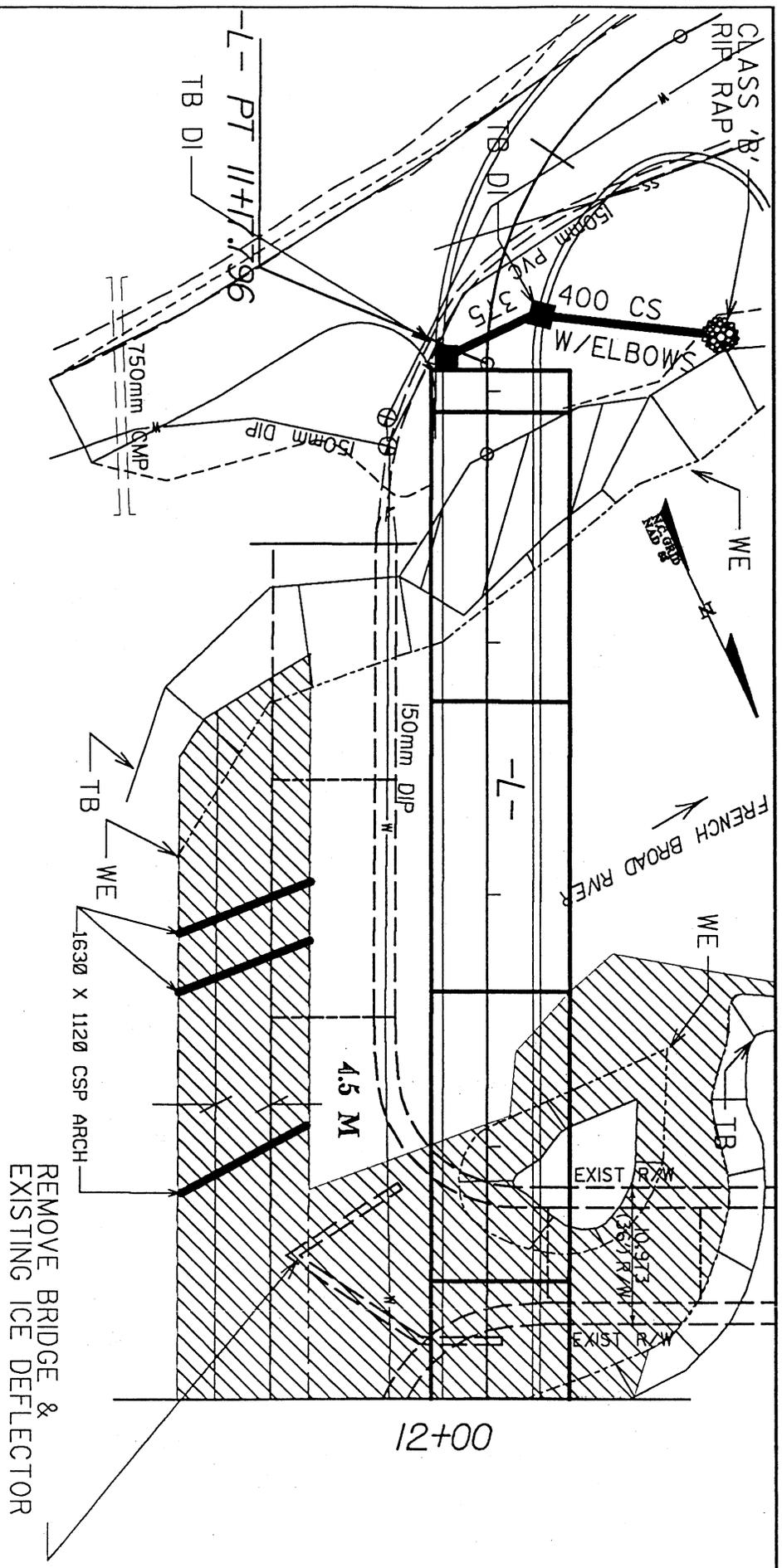
FRENCH BROAD RIVER



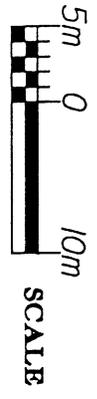
N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
MADISON COUNTY

PROJECT: 8.2860401 (B-2583)
BRIDGE NO. 328 OVER
FRENCH BROAD RIVER
ON SR 1001

SHEET 5 OF 10 REV 09/07/04



PHASE III PLAN VIEW



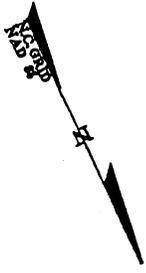
 DENOTES TEMPORARY FILL IN SURFACE WATERS (CAUSEWAY)

REMOVE BRIDGE & EXISTING ICE DEFLECTOR

N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 MADISON COUNTY

PROJECT: 8.2860401 (B-2583)
 BRIDGE NO. 328 OVER
 FRENCH BROAD RIVER
 ON SR 1001

SHEET 6 OF 10 REV 0/07/04



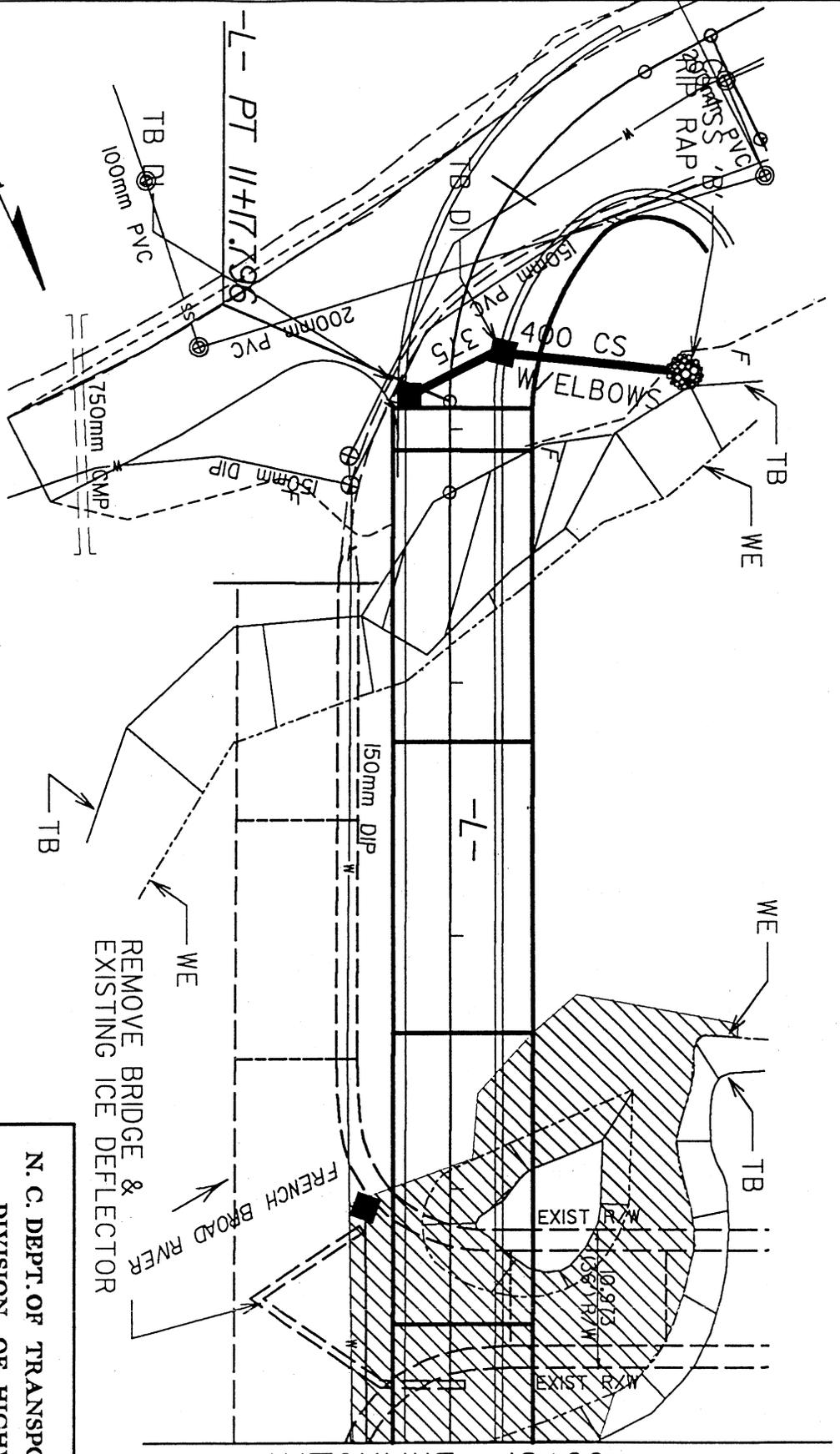
PHASE IV PLAN VIEW

 DENOTES TEMPORARY FILL
IN SURFACE WATERS
(CAUSEWAY)

REMOVE BRIDGE &
EXISTING ICE DEFLECTOR

FRENCH BROAD RIVER

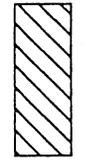
MATCHLINE 12+00



N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
MADISON COUNTY

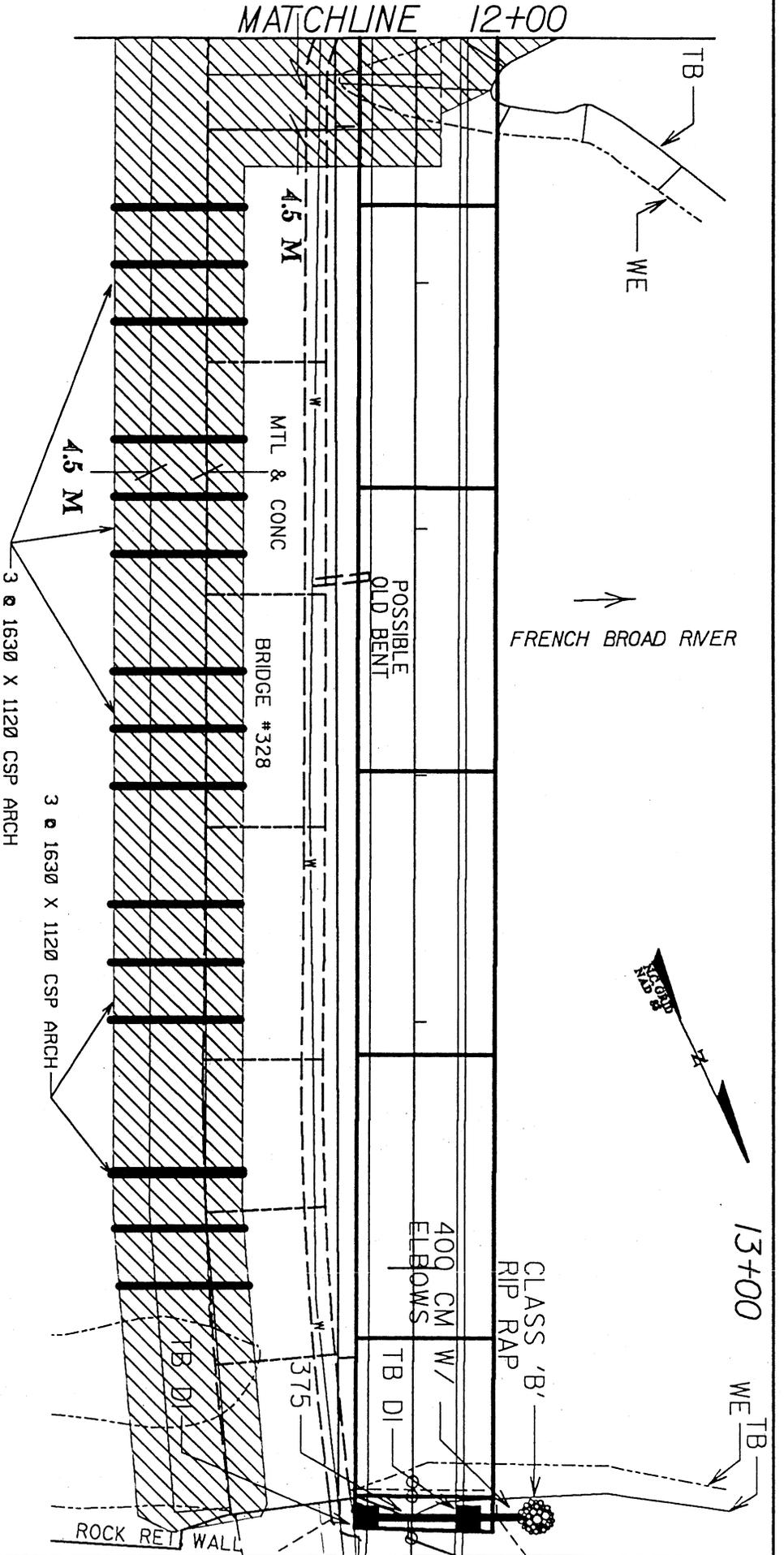
PROJECT: 8.2860401 (B-2585)
BRIDGE NO. 328 OVER
FRENCH BROAD RIVER
ON SR 1001

SHEET 7 OF 10 REV 08/26/04



DENOTES TEMPORARY FILL
IN SURFACE WATERS
(CAUSEWAY)

PHASE IV CONT PLAN VIEW



N. C. DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
MADISON COUNTY

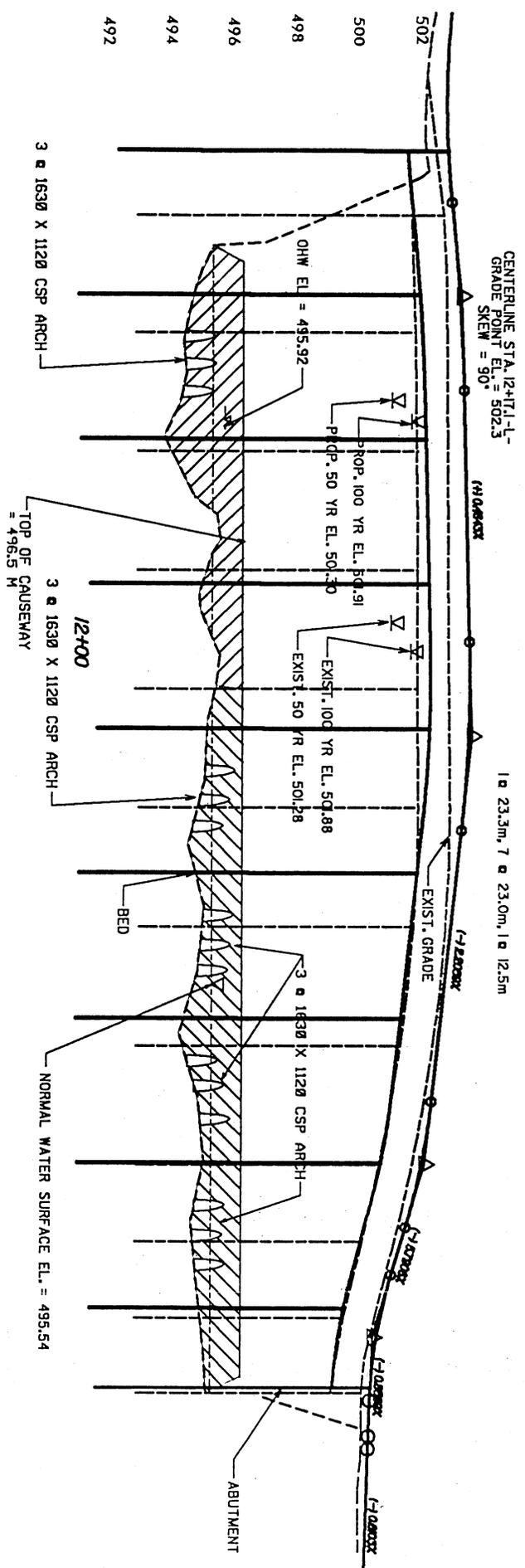
PROJECT: 8.2860401 (B-2583)
BRIDGE NO. 328 OVER
FRENCH BROAD RIVER
ON SR 1001

SHEET 8 OF 10 REV 09/07/04

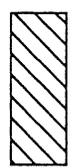
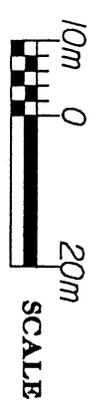
11+00

12+00

13+00



PROFILE VIEW



DENOTES TEMPORARY FILL IN SURFACE WATERS

N. C. DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 MADISON COUNTY

PROJECT: 8.2860401 (B-2586)
 BRIDGE NO. 328 OVER
 FRENCH BROAD RIVER
 ON SR 1001

SHEET 9 OF 10 REV 08/18/04

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS					
			Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation In Wetlands (ac)	Mechanized Clearing (Method III) (ac)	Fill In SW (Natural) (ac)	Fill In SW (Pond) (ac)	Temp. Fill In SW (ac)	Existing Channel Impacted (ft)	Natural Stream Design (ft)	
1	Bridge	Phase #1					0.006		0.42			
	Bridge	Phase #2							0.42			
	Bridge	Phase #3 and #4							0.57			
TOTALS:			0.00	0.00	0.00	0.00	0.006	0.00	1.41	0.00	0.00	

Velocities in the channel range from 0.5 ft/sec to 2.0 ft/sec with causeways in place at normal flow

The surface area for the berms (drilled piers) is 0.0046 acres and 0.0009 acres for structures 1 and 2 respectively

Form Revised 3/22/01

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 Madison County
 Project: 8.2860401 (B-2583)
 SHEET 10 OF 10 Rev. 10/25/04

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT

Action Id. 200430995 and 20040996 County Madison U.S.G.S. Quad Marshall

INCOMPLETE APPLICATION

Responsible Party: North Carolina Department of Transportation
Project Development and Environmental Analysis
Attn: Chris Manley

Address: 1548 Mail Service Center
Raleigh, North Carolina 27699-1548

Telephone: (919) 733-3141

Cc: Division of Water Quality
North Carolina Department of
Environment and Natural Resources
Attn: Brian Wrenn
1650 Mail Service Center
Raleigh, North Carolina 27699-1650

Size and Location of Property (waterbody, Highway name/number, town, etc.): The project is located at Bridge No. 328 on SR 1001 (Bailey's Branch Road/Meadows Town Road), over the French Broad River, in Marshall, Madison County, North Carolina.

Type of Permit Applied For (check one): IP () NWP (X) GP ()

Applicable law: Section 404 of the Clean Water Act (X); Section 10, Rivers and Harbor Act (X)

YOUR APPLICATION IS INCOMPLETE AND CANNOT BE PROCESSED UNTIL THE FOLLOWING INFORMATION IS RECEIVED (CHECK ALL THAT APPLY):

Your application form has not been completed and/or signed (see remarks)

Under the conditions of Nationwide Permit , mitigation is required for your project. The mitigation proposal submitted with your application is either insufficient or absent (see remarks).

Your application did not include a statement explaining how avoidance and minimization for losses of waters of the U.S. were achieved on the project site.

Your submitted project plans or maps were insufficient, too large, or not legible (see remarks)

Your application did not include an accurate delineation of affected special aquatic sites, including wetlands, vegetated shallows, and riffle and pool complexes as required.

You must submit a copy of your application to the NC Wildlife Resources

Commission (WRC) since your proposed work is in a designated trout water county (see remarks section below for the address of your WRC representative). SEE REMARKS.

X Other (see remarks below)

REMARKS: The proposed project includes a large causeway that spans the French Broad River and includes three 5-foot arch culverts. New plans must be submitted with an improved design to handle the flow of the French Broad River and protect navigation as this is a Section 10 water as discussed during our site visit on August 5, 2004. The plans submitted with the project application do not reflect the current design (the number of bents and corresponding fingers on the causeway have been reduced). The avoidance and minimization statement in the application refers to socioeconomic impact reduction and does not address the causeway or impacts to jurisdictional waters of the United States in detail. These issues must be resolved before DA authorization is issued.

Date: August 6, 2004

Corps Regulatory Official: Angie Pennock *AP* **Telephone No.:** (828) 271-7980 ext 226

Corps Regulatory Field Office Address: Asheville Regulatory Field Office
151 Patton Avenue, Room 208
Asheville, NC 28801-5006