

**SLOPE PROTECTION: STATIONS AND ELEVATIONS**

**GENERAL NOTES**

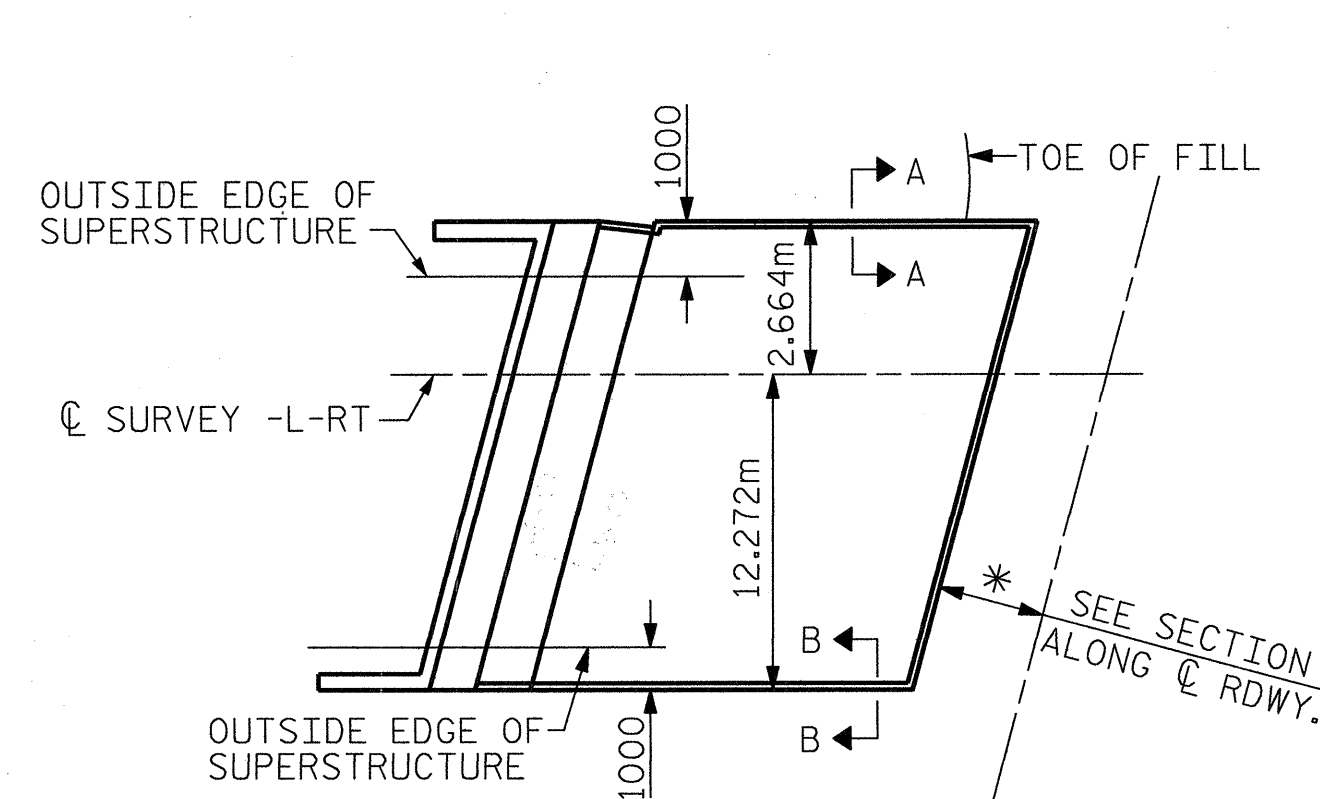
SLOPE PROTECTION SHALL BE PLACED UNDER THE ENDS OF THE BRIDGE AS SHOWN IN THE DETAILS. THE CONTRACTOR, AT HIS OPTION, MAY USE ALTERNATE "B" ONLY FOR HIGHWAY OVER HIGHWAY GRADE SEPARATIONS WITH 2:1 END BENT SLOPE IN RURAL, UNPOPULATED AREAS. STRAIGHT EDGING WILL NOT BE REQUIRED UNLESS, IN THE OPINION OF THE ENGINEER, VISUAL INSPECTION INDICATES A NEED FOR IT. METHOD OF MEASUREMENT AND BASIS OF PAYMENT SHALL BE AS PRESCRIBED IN SECTION 462 OF THE STANDARD SPECIFICATIONS. FOR BERM WIDTH, SEE GENERAL DRAWING.

**ALTERNATE "A"**

ALTERNATE "A" SHALL CONSIST OF 100mm POURED-IN-PLACE CONCRETE PAVING AS SHOWN IN THE DETAILS ON THIS SHEET. CONCRETE SHALL BE CLASS "B". THE CONCRETE SURFACE SHALL BE FLOATED WITH A WOODEN FLOAT AND FINISHED. WELDED WIRE FABRIC REINFORCING SHALL BE 152 X 152 - W9.1 X W9.1, 1520mm WIDE. SLOPE PROTECTION SHALL BE POURED IN 1520mm STRIPS AS SHOWN IN THE "POURING DETAIL" WITH 600mm LONG #13 BARS PLACED ALONG THE SLOPE BETWEEN STRIPS AT 450mm MAXIMUM SPACING. SLOPE PROTECTION MAY BE POURED IN ALTERNATE 1220mm AND 1520mm STRIPS AS SHOWN IN THE "OPTIONAL POURING DETAIL" WITH ADJACENT RUNS OF WELDED WIRE FABRIC LAPPING AT LEAST 152mm. THE COST OF THE WELDED WIRE FABRIC AND #13 BARS, IF USED, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER SQUARE METER FOR SLOPE PROTECTION.

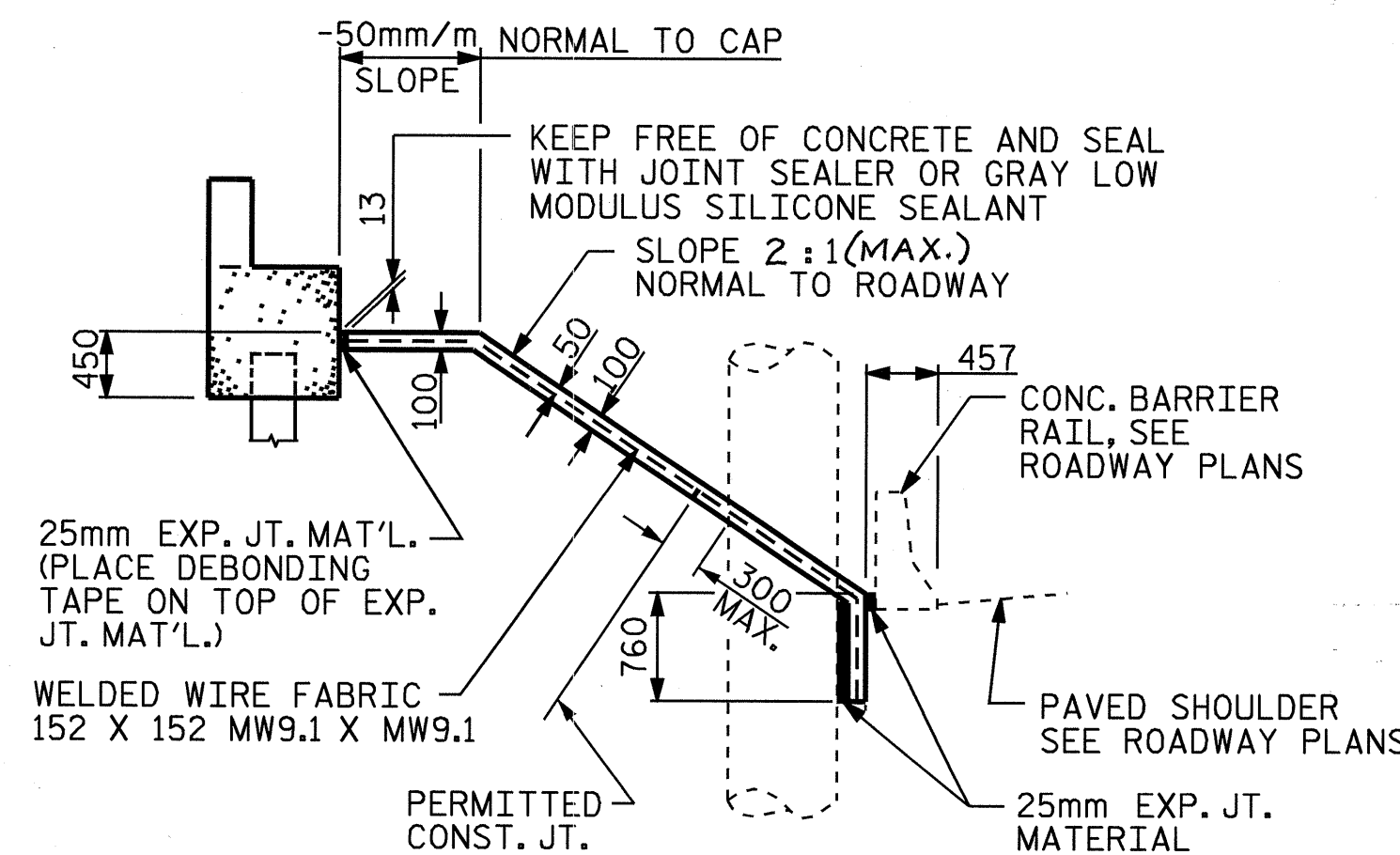
BRIDGE @ STA. 97+46.378	100mm SLOPE PROTECTION	* WELDED WIRE FABRIC 1520mm WIDE
	SQUARE METERS	APPROX. METERS
END BENT 1	222	156
END BENT 2	223	159

\* QUANTITY SHOWN IS BASED ON 1520mm POURS.

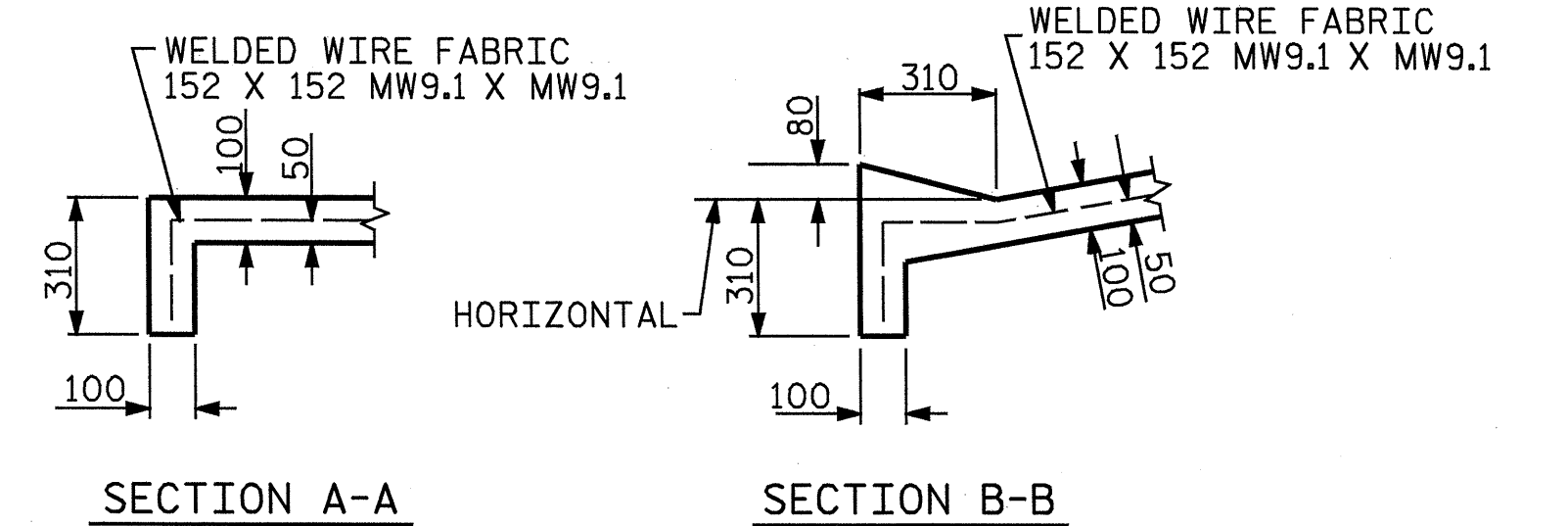


**PLAN**

END BENT 1 SHOWN, END BENT 2 SIMILAR

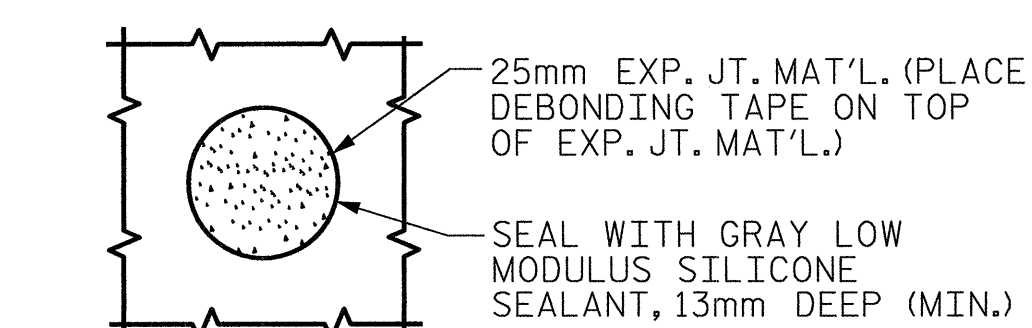


**SECTION ALONG C ROADWAY WITH SHOULDER PIER**

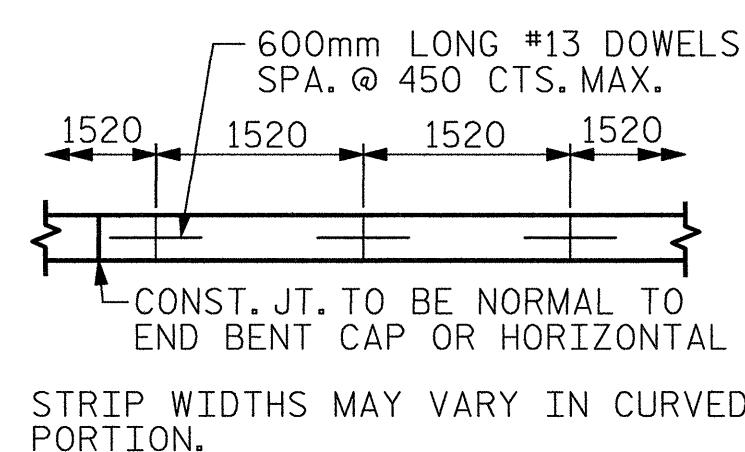


**SECTION A-A**

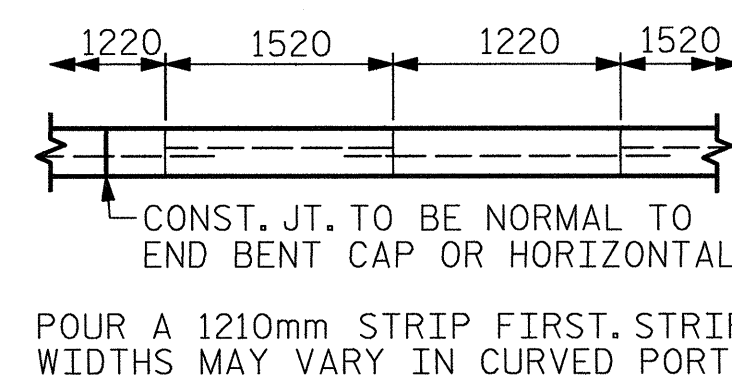
**SECTION B-B**



**PLAN WHERE CONCRETE SLOPE PROTECTION MUST BE PLACED AROUND A BENT COLUMN**



**POURING DETAIL**



**OPTIONAL POURING DETAIL**



PROJECT NO. **R-2552B**  
**JOHNSTON** COUNTY  
 STATION: **97+46.378-L-RT POC**

**CTE ENGINEERS**  
 CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.  
 13325 SOUTH POINT BOULEVARD, SUITE 400  
 CHARLOTTE, NORTH CAROLINA 28273-5820  
 (704) 563-0802

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**STANDARD**

**SLOPE PROTECTION DETAILS**

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS: 431

ASSEMBLED BY : MSB	DATE : 05/01/02
CHECKED BY : JDF	DATE : 05/01/02
DRAWN BY : ELR 5/92	REV. 8/16/99 RH/RDR
CHECKED BY : GRP 6/92	REV. 10/17/00 RWW/LES
	REV. 7/10/01 LES/RDR