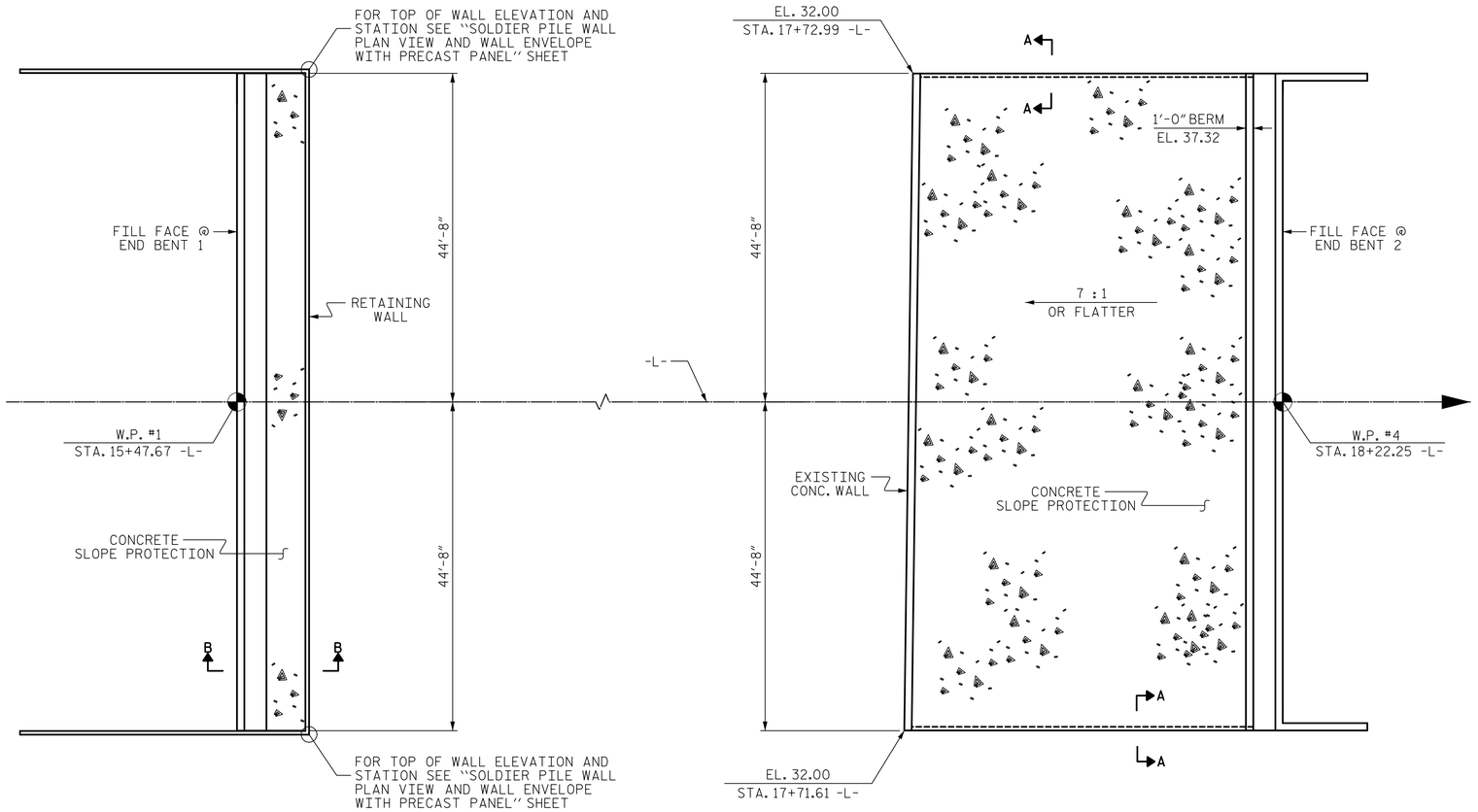
DocuSign Envelope ID: FFACE48C-EF9B-4723-AFC0-B1A1551A9670



PLAN @ END BENT 1

PLAN @ END BENT 2

GENERAL NOTES

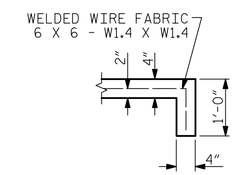
SLOPE PROTECTION SHALL BE PLACED UNDER THE END OF THE BRIDGE AS SHOWN IN THE DETAILS. STRAIGHT EDGING WILL NOT BE REQUIRED UNLESS, IN THE OPINION OF THE ENGINEER, VISUAL INSPECTION INDICATES A NEED FOR IT. MEASUREMENT AND PAYMENT SHALL BE AS PRESCRIBED IN SECTION 462 OF THE STANDARD SPECIFICATIONS. FOR BERM WIDTH, SEE GENERAL DRAWING.

CONCRETE SLOPE PROTECTION SHALL CONSIST OF 4" 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 6 X 6 - W1.4 X W1.4, 60" WIDE. SLOPE PROTECTION SHALL BE POURED IN 5' STRIPS AS SHOWN IN THE "POURING DETAIL" WITH 2'-0" LONG #4 BARS PLACED ALONG THE SLOPE BETWEEN STRIPS AT 1'-6" MAXIMUM SPACING. SLOPE PROTECTION MAY BE POURED IN ALTERNATE 4' AND 5' STRIPS AS SHOWN IN THE "OPTIONAL POURING DETAIL" WITH ADJACENT RUNS OF WELDED WIRE FABRIC LAPPING AT LEAST 6". THE COST OF THE WELDED WIRE FABRIC AND #4 BARS, IF USED, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR SLOPE PROTECTION.

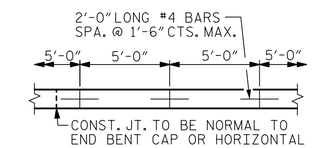
LOCATION OF THE EXISTING CONCRETE WALL UNDERNEATH THE EXISTING BRIDGE AT END BENT 2 SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

BRIDGE @ STA. 16+84.96 -L-	4 INCH SLOPE PROTECTION	* WELDED WIRE FABRIC 60 INCHES WIDE
	SQUARE YARDS	APPROX. L.F.
END BENT 1	52.5	89.3
END BENT 2	470.0	940.0

* QUANTITY SHOWN IS BASED ON 5' POURS.

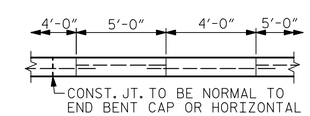


SECTION A-A



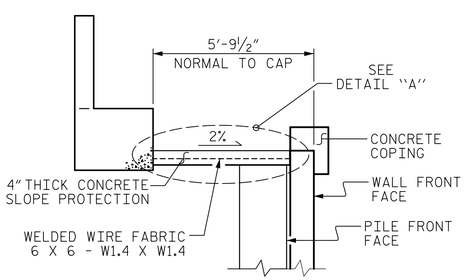
STRIP WIDTHS MAY VARY IN CURVED PORTION.

POURING DETAIL

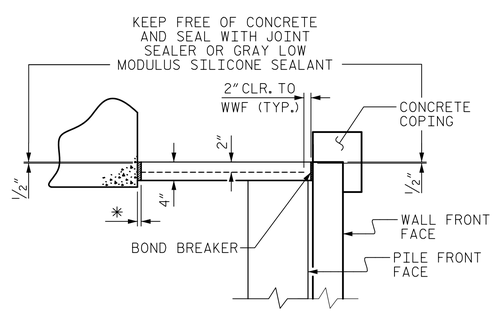


POUR A 4'-0" STRIP FIRST. STRIP WIDTHS MAY VARY IN CURVED PORTION.

OPTIONAL POURING DETAIL

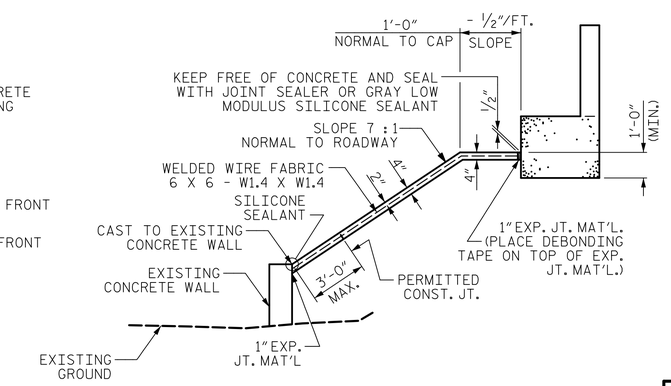


SECTION B-B



DETAIL A

*1" EXP. JT. MAT'L. (PLACE DEBONDING TAPE ON TOP OF EXP. JT. MAT'L.)



SECTION ALONG ℄ ROADWAY

PROJECT NO. B-5103

NEW HANOVER COUNTY

STATION: 16+84.96 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

CONCRETE SLOPE PROTECTION DETAILS

Prepared by
URS
URS Corporation – North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560
PHONE: (919) 461-1100 FAX: (919) 461-1415
NC LIC.# C-2243

11/5/2014
NORTH CAROLINA PROFESSIONAL SEAL 038447 ENGINEER ANDREW S. MILLER
DocuSigned by: Andrew S. Miller
D5D820D9405446D...

ASSEMBLED BY : R. L. WHITCHER		DATE : 8/15/14	
CHECKED BY : M. K. TOM		DATE : 8/20/14	
DESIGNED BY : R. L. WHITCHER		DATE : 8/15/14	
DRAWN BY : ELR 5/92	REV. 5/1/06	TLA/GM	
CHECKED BY : GRP 6/92	REV. 10/1/11	MAA/GM	
	REV. 12/21/11	MAA/GM	

REVISIONS								SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:			S-46
1			3					TOTAL SHEETS
2			4					48

STD. NO. SP1

11/5/2014
R:\Structures\Submittals\2014_1101 Final Design and Tracings\Design Files\401_093_S01_B5103_SP_01.dgn
matt_tom