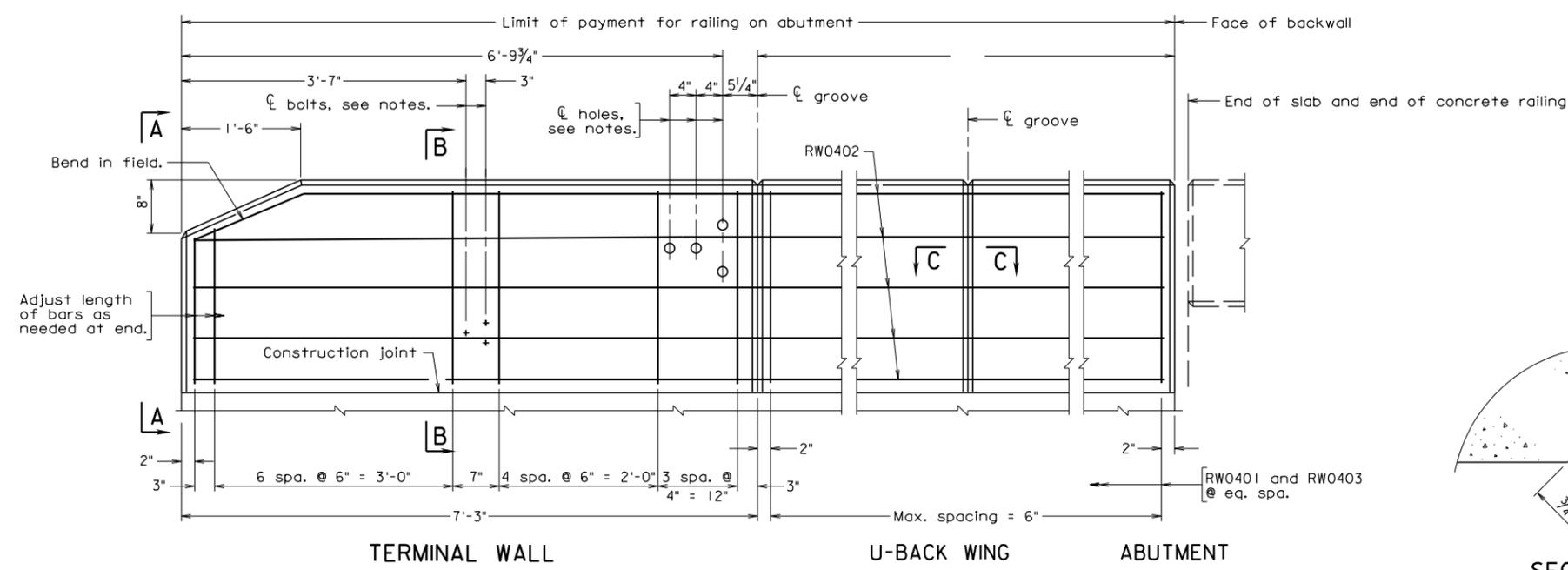
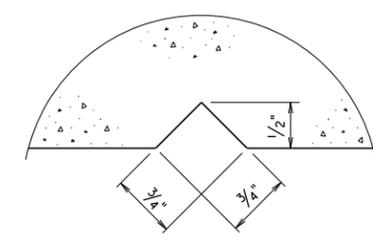


STATE	FEDERAL AID	STATE	SHEET NO.
VA.	PROJECT	ROUTE	PROJECT



TERMINAL WALL
U-BACK WING
ABUTMENT
ELEVATION



SECTION C-C
Full scale
Groove detail for both sides of wall

Notes:

All bevels for concrete on this sheet shall be $\frac{3}{4}$ ". Rounded edges with 1" radius may be used in lieu of bevels along top of rail.

All reinforcing bars shall be Corrosion Resistant Reinforcing Steel, Class ...

Each terminal wall shall be cast as one piece.

The Contractor shall determine all details necessary for installation.

All concrete shall be Class A4.

For details of wingwall below construction joint, see abutment sheets.

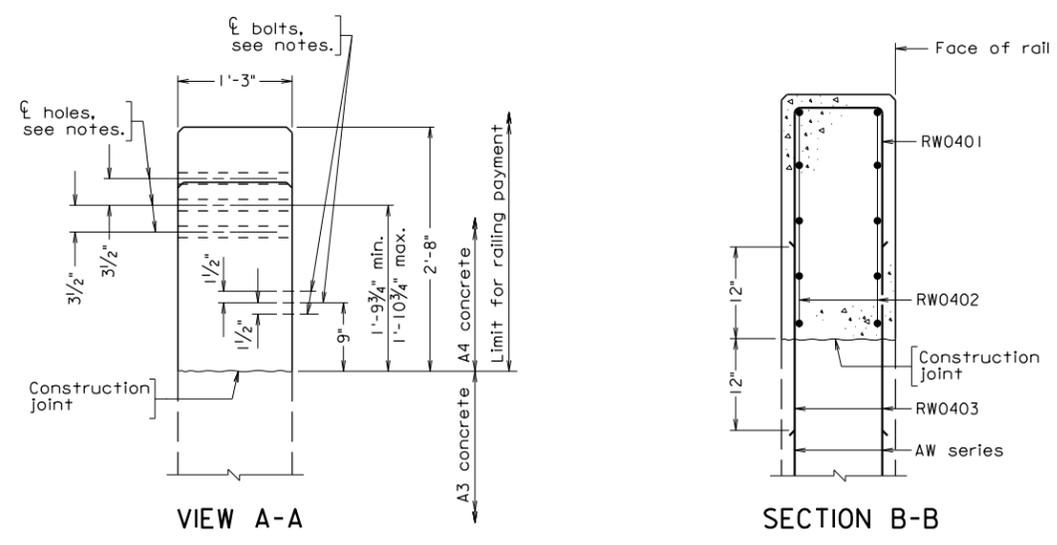
Terminal walls are detailed to take guardrail attachment GR-FOA-1.

Holes, where shown, shall be formed with sleeves of $1\frac{1}{2}$ " diameter nominal pipe.

Bolts, where shown, shall be $\frac{5}{8}$ " dia. expansion anchor bolts, 6" long to be drilled and installed when rub rail is attached.

For details and reinforcing steel schedule of cast-in-place concrete railing, see sheet ...

Bid item for terminal wall shall include concrete noted in plans and reinforcing steel indicated in Reinforcing Steel Schedule.



VIEW A-A
SECTION B-B

REINFORCING STEEL SCHEDULE					
RW0401					
Mark	No.	Size	Pin ϕ	Length	Location
RW0401		#4	3"	5'-10"	Terminal wall and U-back wing
RW0402		#4			Terminal wall and U-back wing
RW0403		#4		2'-0"	Terminal wall and U-back wing

Dimensions in bending diagram are out-to-out of bars, except as shown.

12-14-2012 bcr7.dgn BCR-7

Sealed and Signed by:
Julius F.J. Volgyi Jr.
Lic. No. 010487
On the date of
December 14, 2012

A copy of the original sealed and signed standard drawing is on file in the Central Office.

VDOT S&B DIVISION
RICHMOND, VA
STRUCTURAL ENGINEER

Scale: 1" = 1'-0" unless otherwise shown.

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
CAST-IN-PLACE TERMINAL WALL 32" KANSAS CORRAL					
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: ...S&B...DIV		
			Checked: S&B...DIV		
Revisions					
					BCR-7

**CAST-IN-PLACE CONCRETE RAILING
KANSAS CORRAL (2'-8")**

TERMINAL WALL ON ABUTMENT U-BACK WING

NOTES TO DESIGNER:

Include this standard when using standard BCR-3 or BCR-4.

Terminal wall is detailed on abutment U-back wing.

It is the Contractor's responsibility to determine the number of reinforcing bars required as well as any details or dimensions. Therefore, these items are to be left blank in the Reinforcing Steel Schedule.

AW series bars are included in abutment reinforcement.

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

VIEW A-A:

For projects with bituminous overlay, modify the vertical dimension 9" and the range (1'-9 $\frac{3}{4}$ " min. – 1'-10 $\frac{3}{4}$ " max.) for location of bolts and 2'-8" height of terminal wall so that these dimensions will be established from top of overlay surface.

NOTES:

Complete first note by adding the Class I, II or III of corrosion resistant reinforcing steel required. For additional information on corrosion resistant reinforcing steel (CRR), see Structure and Bridge Division Memorandum (current IIM-S&B-81).

Complete sheet no. for cast-in-place concrete railing.

REINFORCING STEEL SCHEDULE:

Add length for RW0402.

For projects with bituminous overlay, modify rebar lengths to allow for dimension changes.