

## NOTES

### TYPE E JOINT

The Modified Type E Joint as detailed is not to be used in lieu of the Longitudinal Joint as detailed on Standard Sheet PVT1. It is to be used when tying new concrete pavement to existing pavement (pavement placed prior to the project in which new pavement is placed) unless otherwise specified. The expansion anchor and the  $\frac{5}{8}$ " hook bolt are to meet the requirements of Section 709.7 of the Specifications.

Expansion Anchor / Hook Bolt assemblies are to be placed on 30" centers unless otherwise specified. All costs involved in the Modified Type E joint is to be included in the unit bid for the new concrete pavement.

All tie bars and J or Hook Bolt assemblies shall be epoxy coated in accordance with Section 709.1 of the Standard Specifications.

### TYPE H JOINT

The Type H Joint is to be used for connecting portland cement concrete pavement to asphalt pavement. The standard coated dowel bars are to meet the applicable requirements of Standard Sheet PVT4.

## RUMBLE STRIP

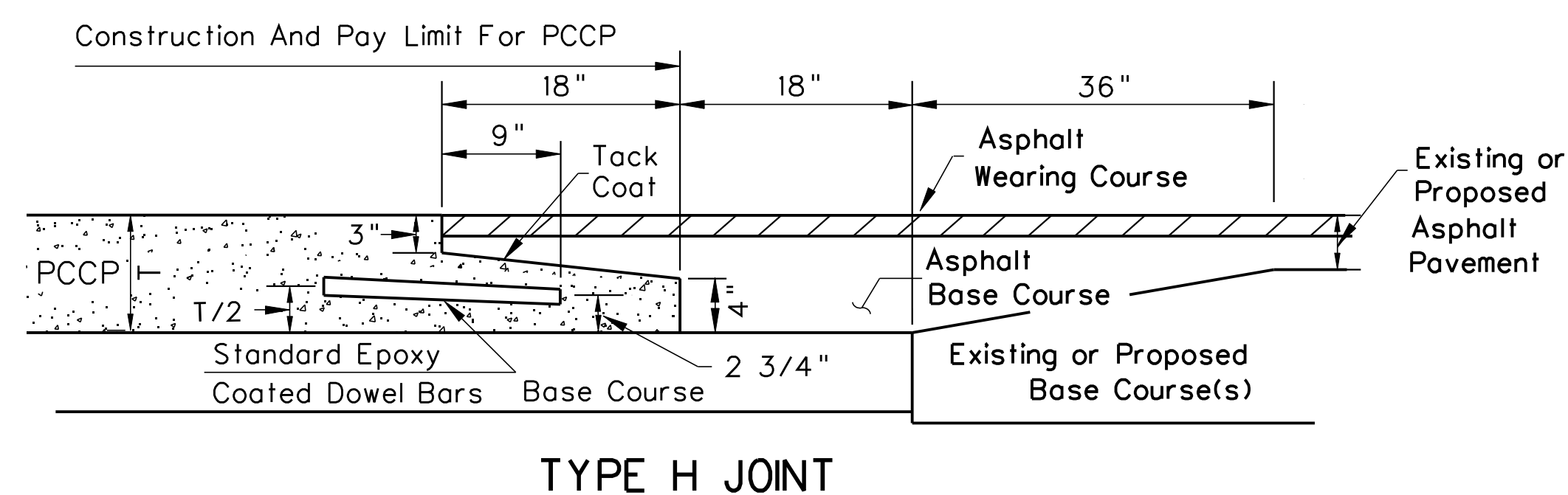
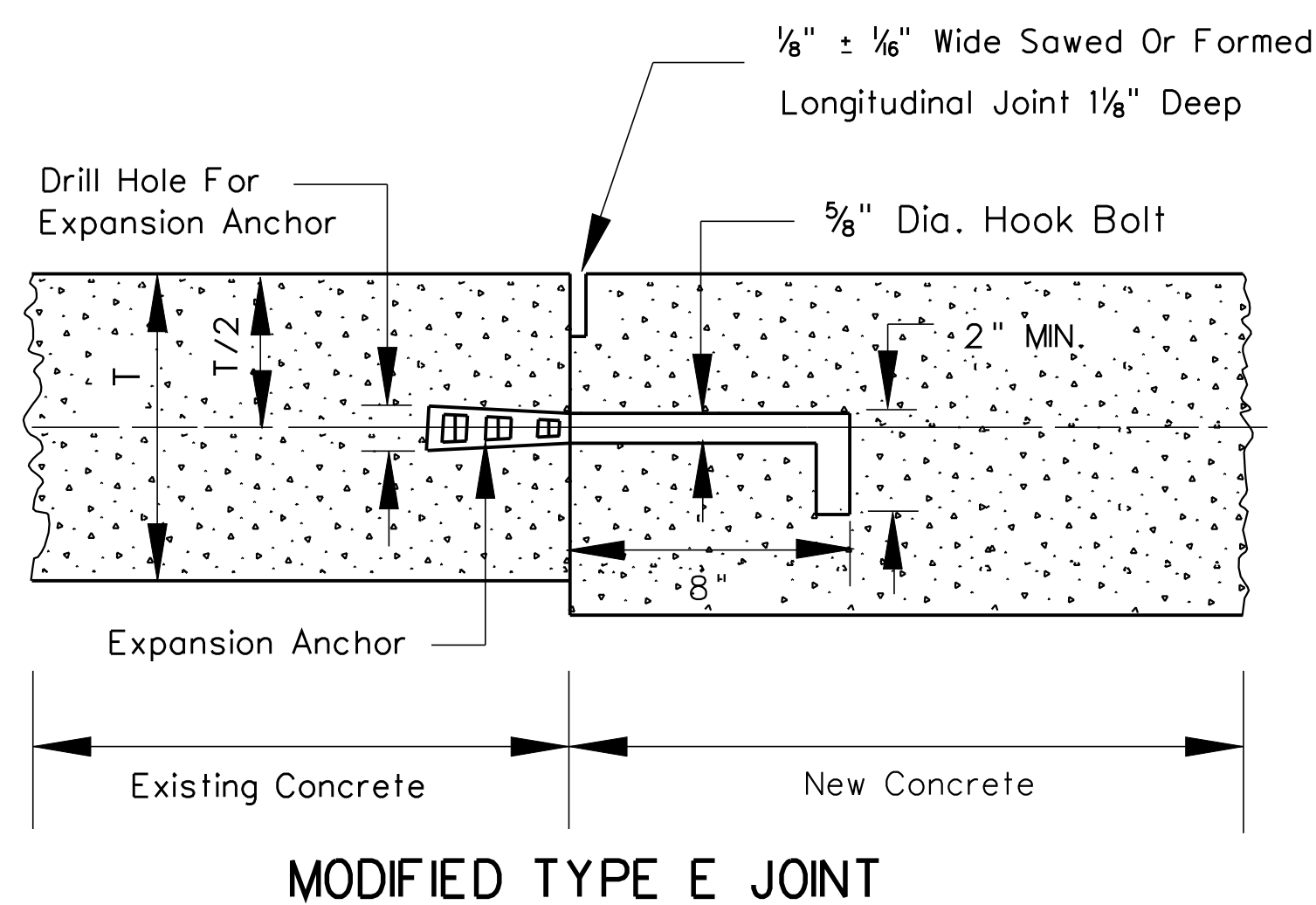
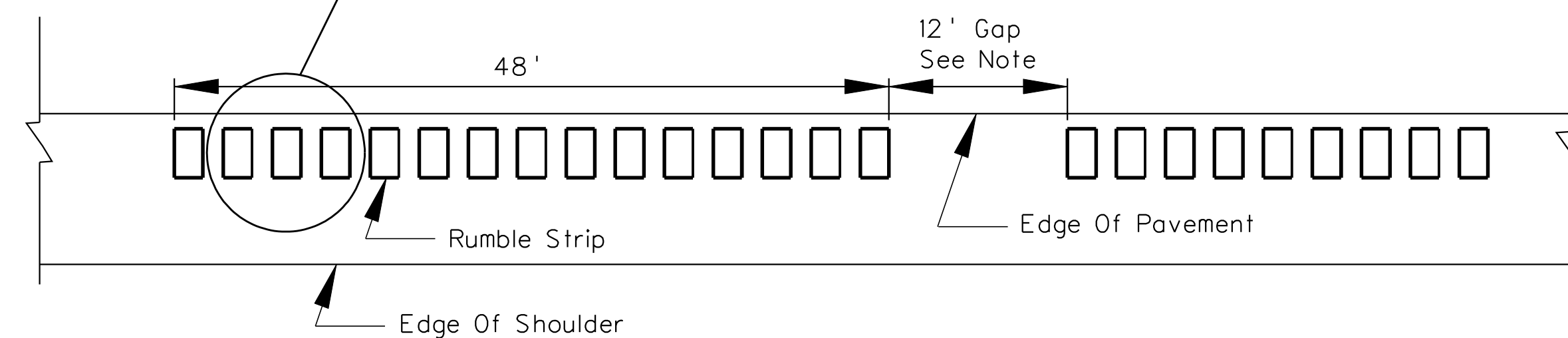
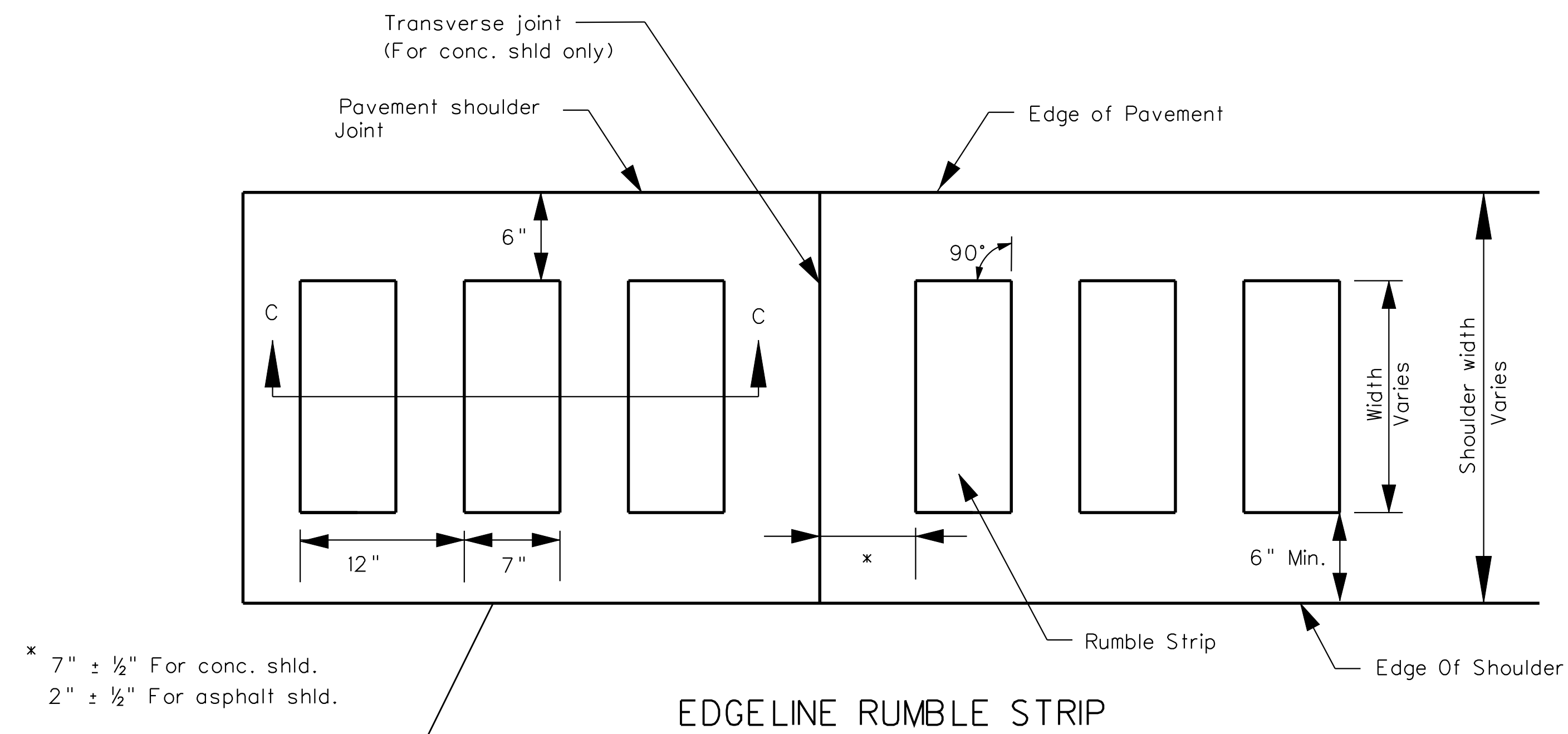
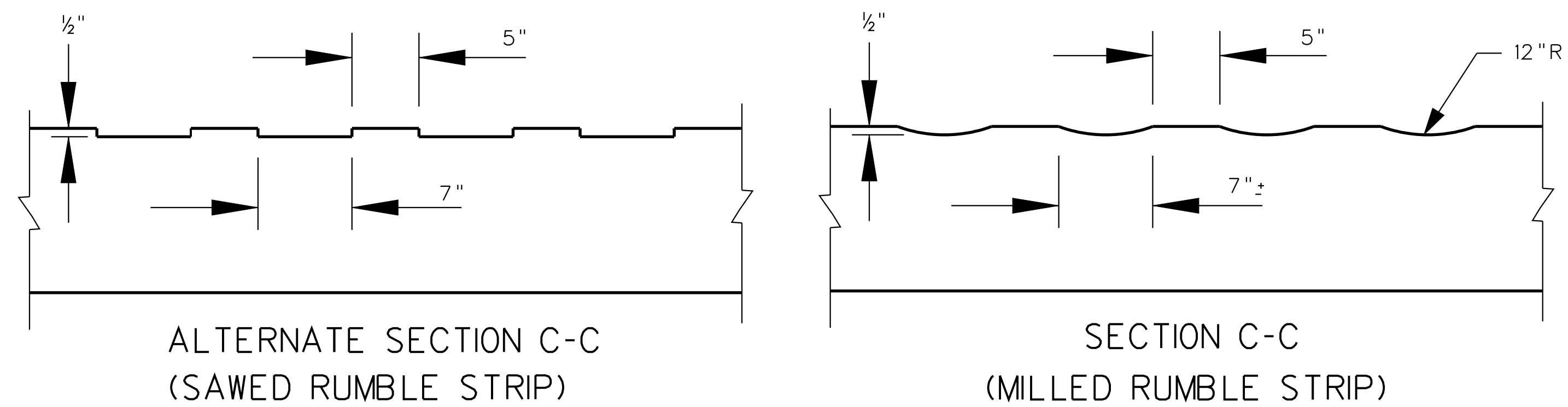
Rumble strips shall be sawed or milled unless otherwise indicated. The top of the rumble strips will be no higher than the top surface of the pavement.  
Any faulty or incorrectly installed rumble strips will be corrected by the contractor at his expense.

Rumble strips shall not be installed on bridge decks, loop detector saw-cut locations, structures, approach slabs or in other areas identified by the Engineer.

When called for on plans, rumble strip depth shall be reduced to  $\frac{3}{8}$ ". The center to center spacing of each individual cut shall remain as 12". Due to changed radius, other longitudinal (direction of traffic) dimensions will vary. This variance is acceptable.

Remove debris from areas disturbed by milling operation before opening roadway to traffic.

Edgeline rumble strips shall have a gap per detail. This gap will be eliminated for roadways that prohibit bicycles and on the inside shoulders of divided highways.



Edgeline Rumble Strip Widths	
Shoulder Width	Rumble Strip Width
4 ' or greater	16 "
Less than 4 '	12 "

6" Min. at Edge of Shoulder Shall Govern

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
STANDARD DETAIL

## REVISED STANDARD DETAIL

PREPARED 7-1-99

<b>REVISION DATE</b>
11-22-2010

## RUMBLE STRIPS, TYPE H JOINT, MODIFIED E JOINT

STANDARD DETAIL SHEET PVT2