

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0357-01	2008	51	185

## CONCRETE PAVEMENT WIDENING DETAIL

### GENERAL NOTE:

Each dowel bar shall be coated with an epoxy coating with the average film thickness of not less than 10 mil on any bar exclusive of end faces, with individual determinations within a tolerance of  $\pm 3$  mil of the average. The coating material shall be a powdered epoxy resin and shall be uniformly applied according to accepted practices and the resin manufacturer's recommendations. For Alt. 1 the coating need not be applied to the end faces of the bars and will not be required within 2" of the end which will be fixed in the supporting basket by welding.

The cutting to length of the dowel bars shall be done in such a manner to result in no appreciable deformation of the ends.

Wire sizes shown are minimum required. Basket shall be staked to subgrade, as shown. Ramsset or similar type fastener with clip to be used when subgrade condition requires it.

A string line shall be stretched between the pavement forms along the center line of the joint. The position of the joint shall be carefully marked so that the saw cut will coincide with the center line of the joint.

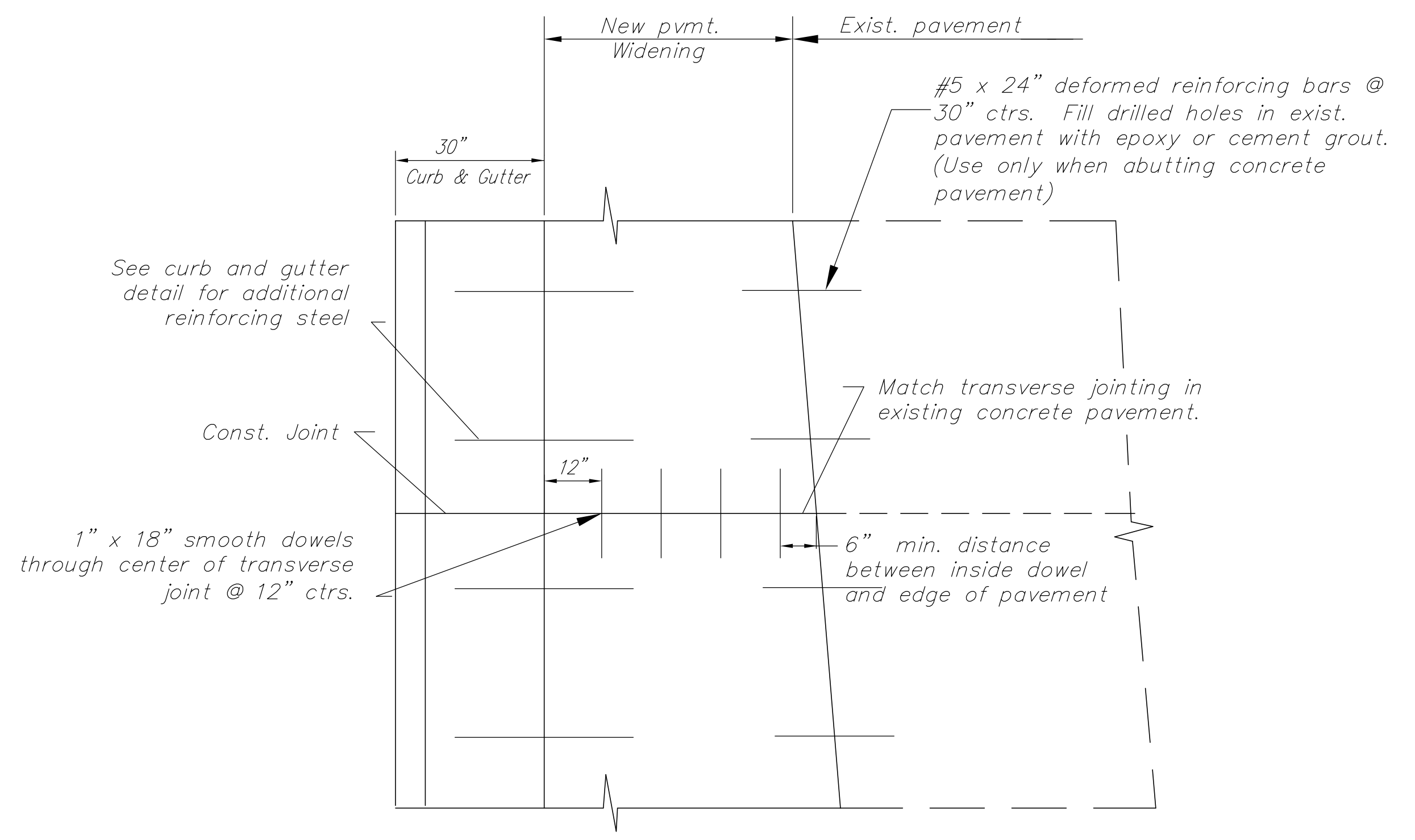
In order to identify the location of the bond breaker application, the working end of dowel and the supporting leg shall receive a light application of red paint at the place of fabrication. The bond breaker shall be applied three-fifths of the length of each dowel bar with hard grease at the working end identified by the red paint.

The entire joint assembly shall be carefully leveled so that the dowels are parallel to the slab surface and free to slide in the dowel holders. Any coating scraped off the dowels in assembling the joint shall be replaced.

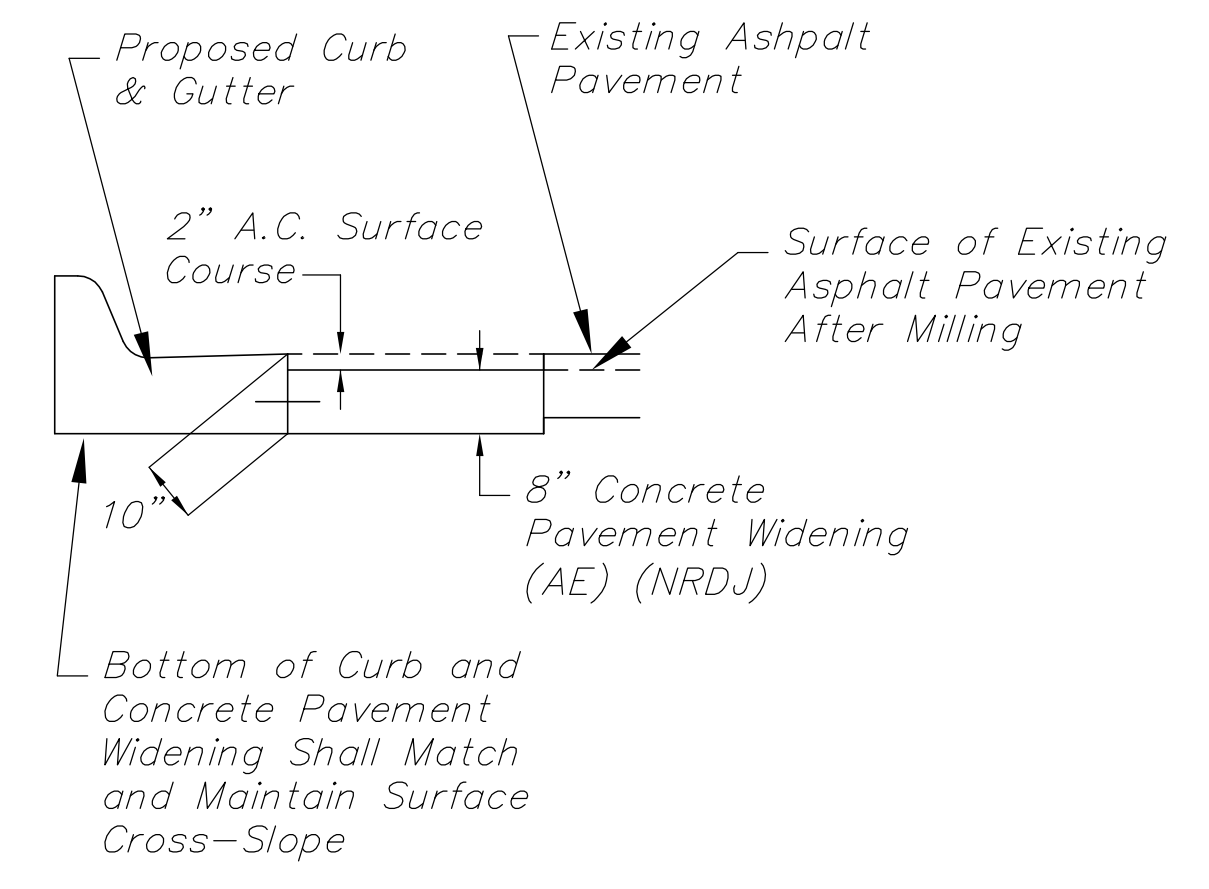
After the complete contraction joint is assembled, it shall be checked to be certain that the vertical plane of the joint will be perpendicular to the finished surface of the slab and at a right angle with the center line of the slab unless shown otherwise on the plans. The dowels shall be checked to be certain that they are level and will remain in a position parallel with the finished surface of the slab.

Concrete shall be placed over and adjacent to the joint in accordance with the requirements of the specifications.

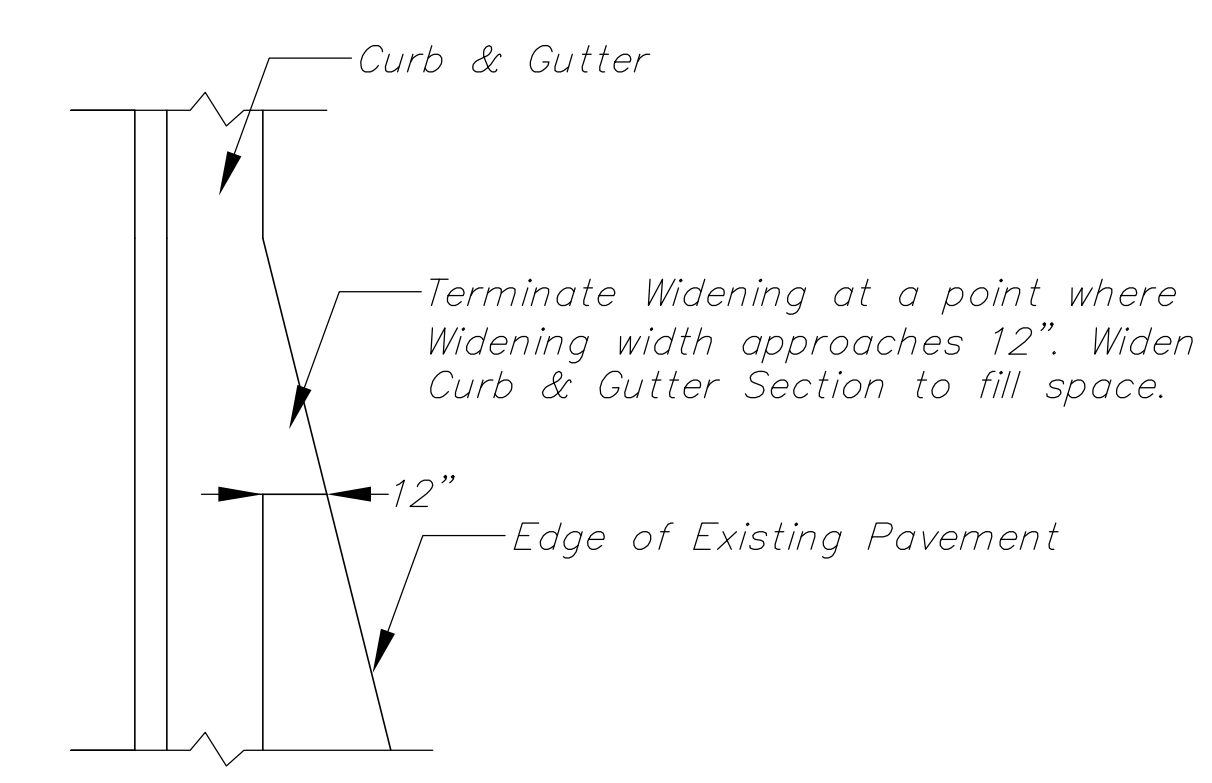
Other approved designs may be used in lieu of the type shown, if approved by the Engineer.



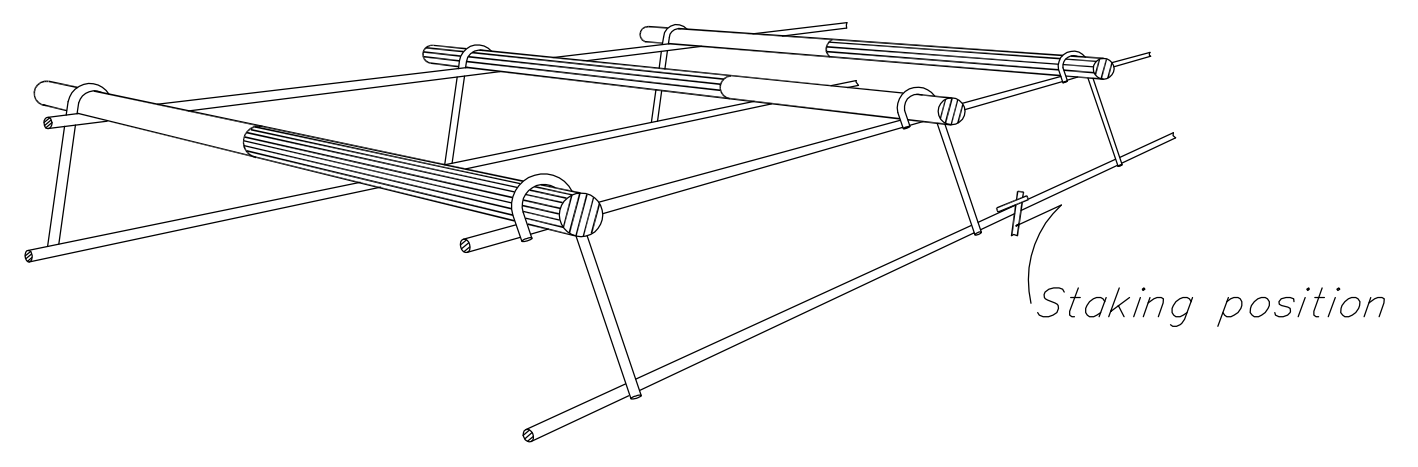
PAVEMENT WIDENING PLAN



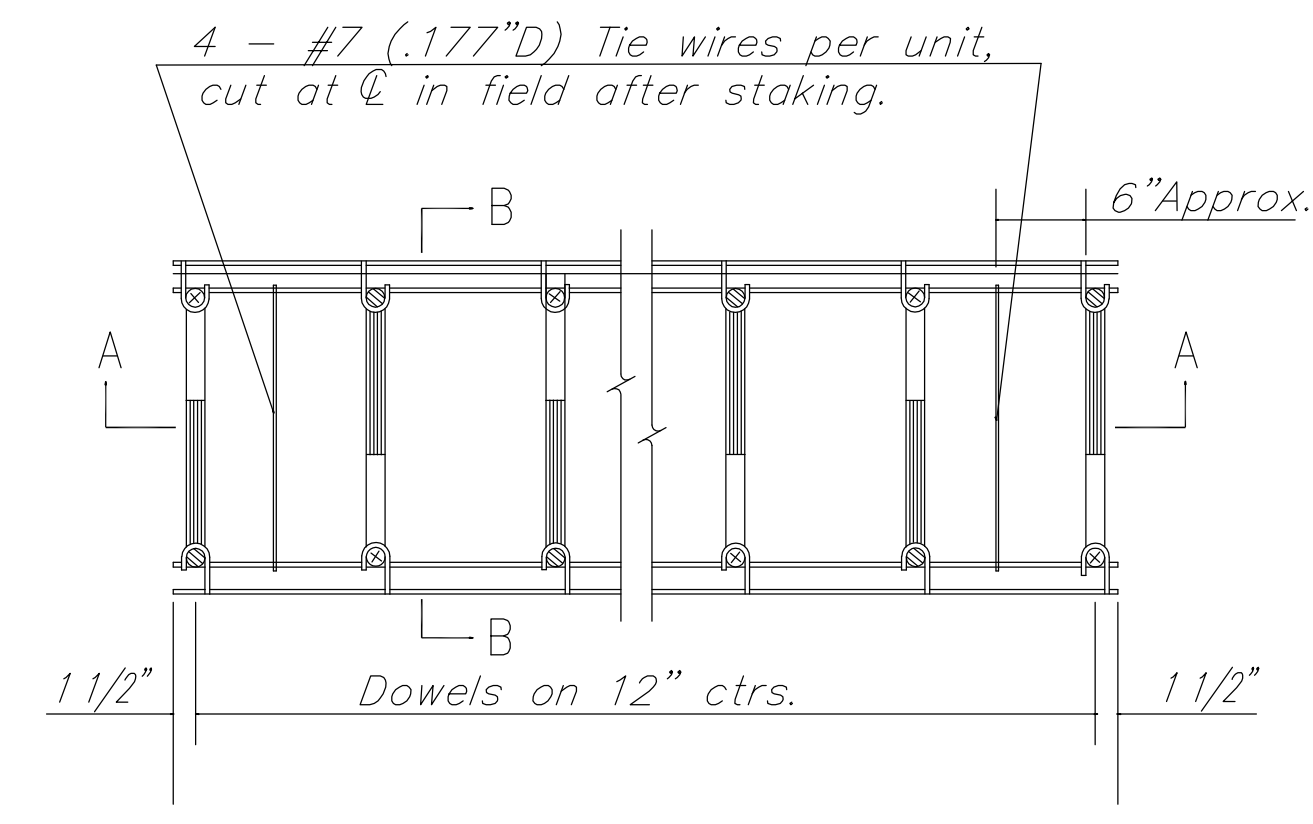
PAVEMENT WIDENING SECTION (ABUTTING ASPHALT)



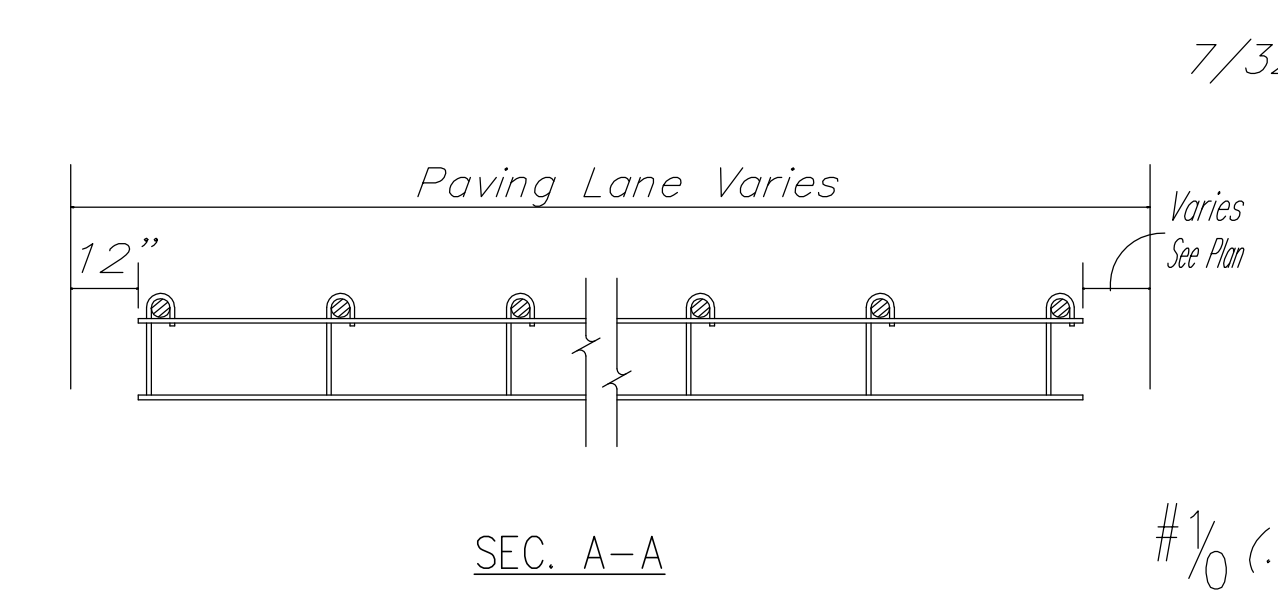
WIDENING TAPER DETAIL



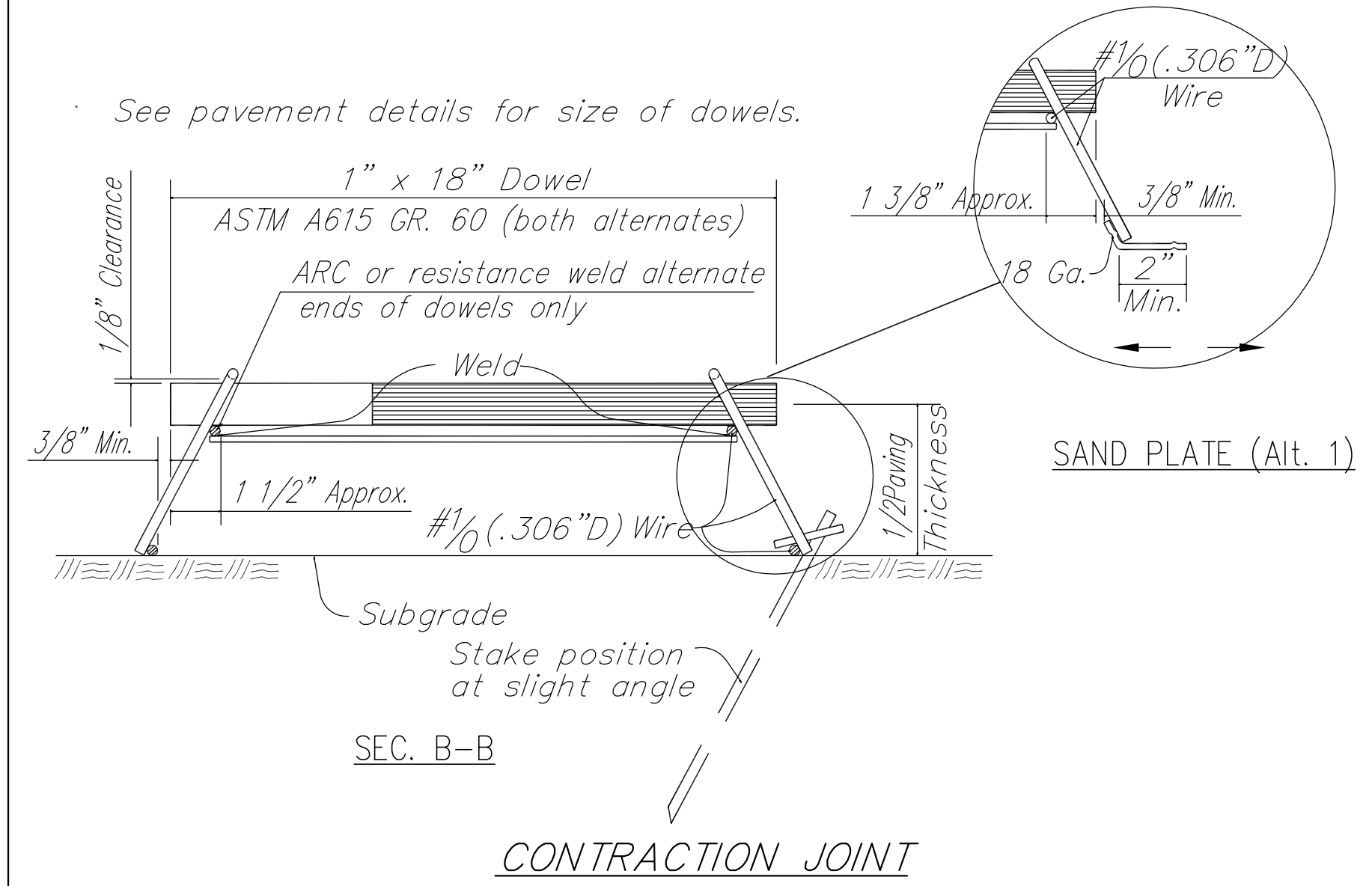
PERSPECTIVE VIEW



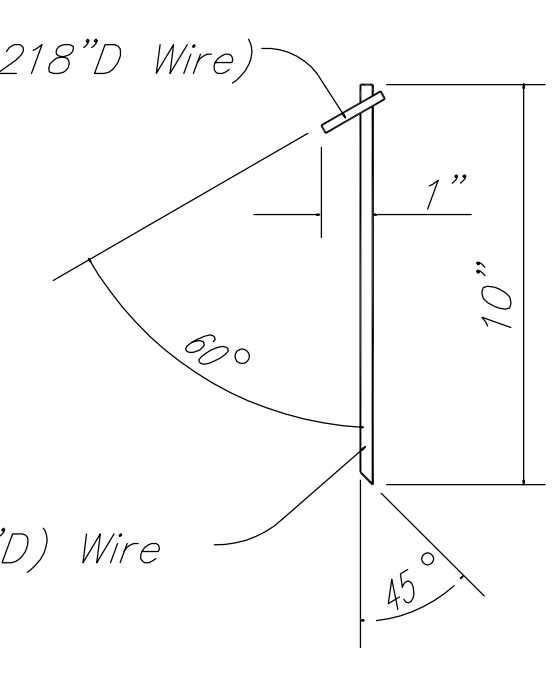
PLAN VIEW



SEC. A-A



CONTRACTION JOINT



STAKE DETAIL

(6 Pieces minimum required)

KANSAS DEPARTMENT OF TRANSPORTATION  
 OLIVER IMPROVEMENTS  
 CONCRETE PAVEMENT  
 WIDENING DETAILS  
 PROJECT NO. 87 N-0357-01 SEDGWICK CO.  
 M K E C ENGINEERING CONSULTANTS, INC.  
 WICHITA, KANSAS

DESIGNED BY: JRA	CHECKED BY: JRA
DRAWN BY: WNJ	DATE: DEC. 2005

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