



MARICOPA COUNTY  
Department of Transportation

MEMORANDUM

Date: April 7, 2010

To: MAG Specifications and Details Committee

From: Robert Herz, MCDOT Representative

Subject: Proposed revision to Standard Detail 230 - SIDEWALKS Case 10-07

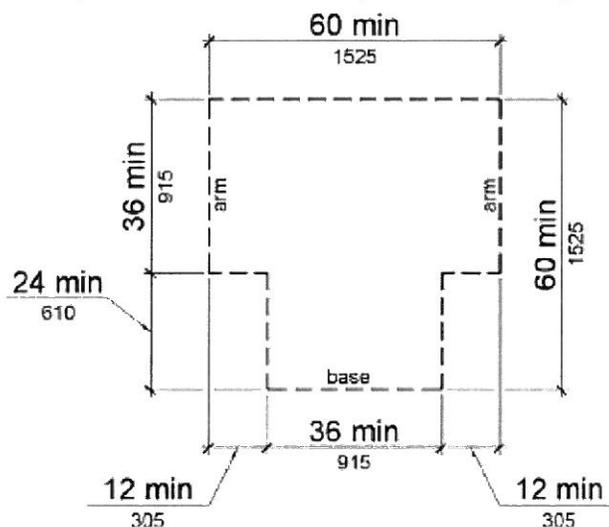
**PURPOSE:** Revise minimum sidewalk width to match the minimum ADA requirements for two (2) wheel chairs to pass and to match minimum ADA requirements for a wheel chair to u-turn.

**REVISION:** Revise minimum sidewalk width from 4' to 5'.

**ADA Accessible Routes Requirement:**

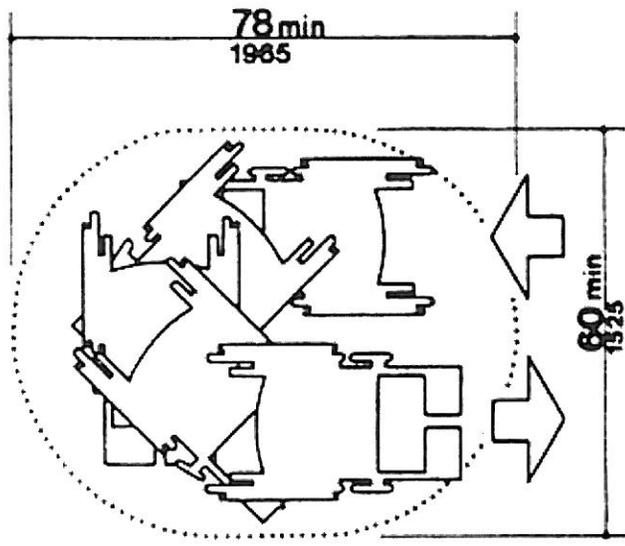
403.5.3 Passing Spaces. An accessible route with a clear width less than 60 inches shall provide passing spaces at intervals of 200 feet maximum. Passing spaces shall be either: a space 60 inches minimum by 60 inches minimum; or, an intersection of two walking surfaces providing a T-shaped space complying with 304.3.2 where the base and arms of the T-shaped space extend 48 inches minimum beyond the intersection..

**Figure 304.3.2 T-Shaped Turning Space**

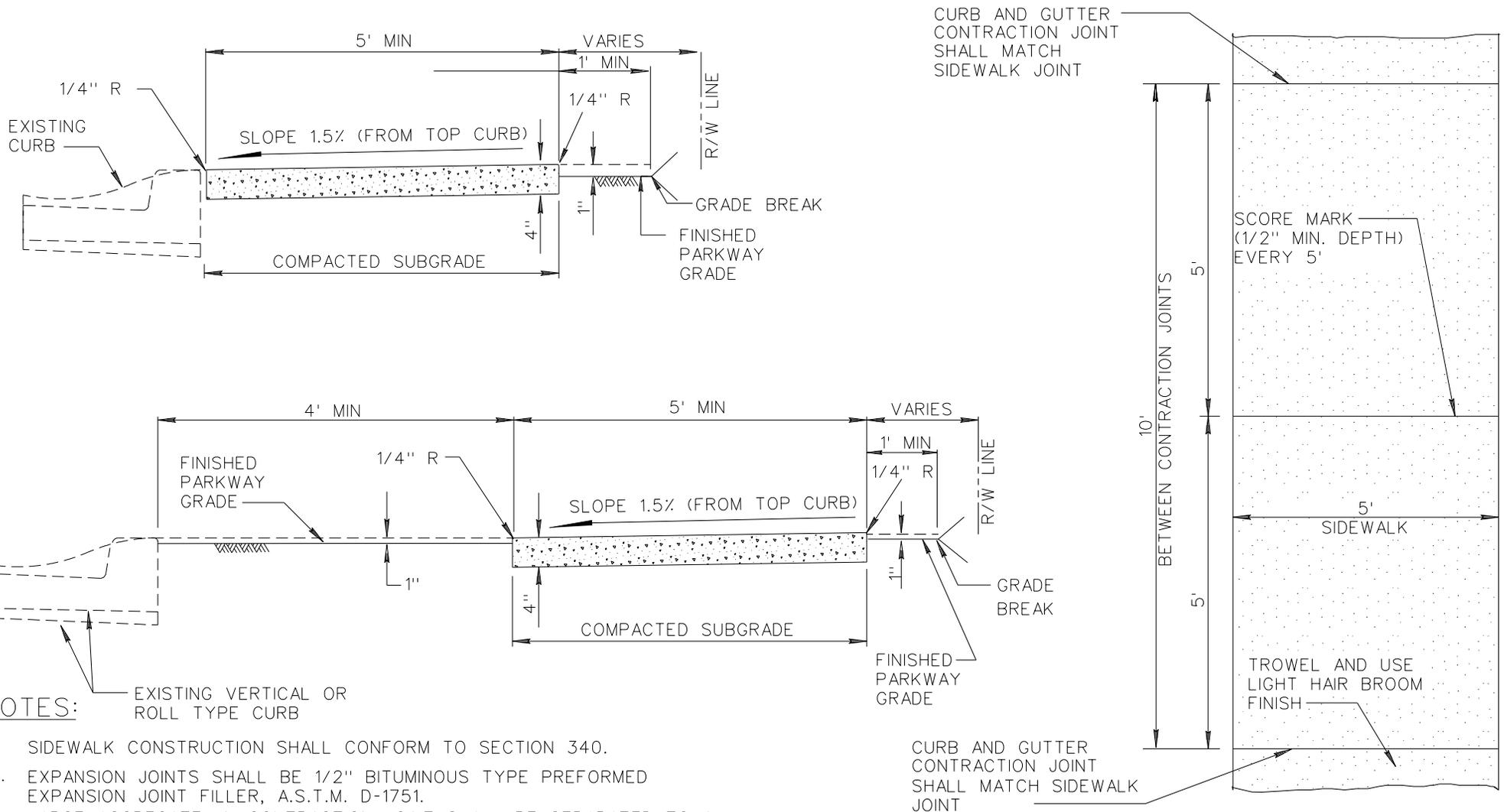


From Code of federal regulations 28 CFR Part 36:

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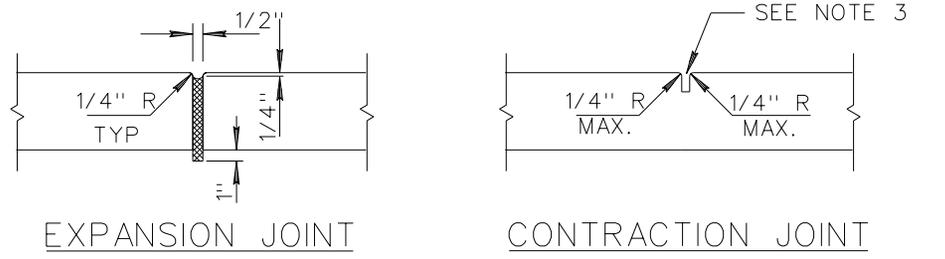


**Fig. A2**  
**Space Needed for Smooth U-Turn in a Wheelchair**



**NOTES:**

- 1. SIDEWALK CONSTRUCTION SHALL CONFORM TO SECTION 340.
- 2. EXPANSION JOINTS SHALL BE 1/2" BITUMINOUS TYPE PREFORMED EXPANSION JOINT FILLER, A.S.T.M. D-1751.
- 3. LARGE AGGREGATE, IN CONTRACTION JOINT SHALL BE SEPARATED TO A DEPTH OF 1", FINISH DEPTH SHALL BE A MINIMUM OF 3/4".
- 4. EXPANSION JOINTS SHALL CONFORM TO SECTION 340, BE INSTALLED PRIOR TO CONCRETE PLACEMENT, AND AT A MAXIMUM SPACING OF 50'. THE EXPANSION JOINT MUST PROVIDE COMPLETE SEPERATION OF THE SIDEWALK FROM ADJOINING CONCRETE.
- 5. CONCRETE SHALL BE CLASS 'B 'PER SECTION 725.
- 6. WHEN SIDEWALK AND ADJACENT CURB ARE INSTALLED MONOLITHICALLY, THE MID-POINT SCORE LINE SHALL EXTEND ACROSS THE CURB.



EXPANSION JOINT

CONTRACTION JOINT

DETAIL NO. 230		STANDARD DETAIL ENGLISH	SIDEWALKS	REVISED 01-01-2003	DETAIL NO. 230
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