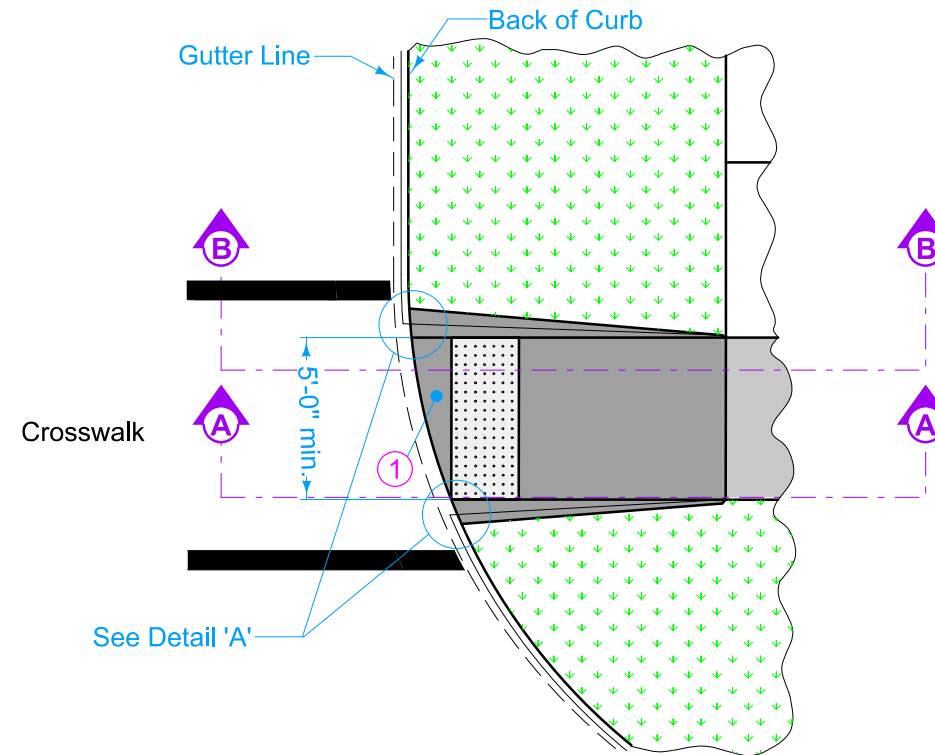
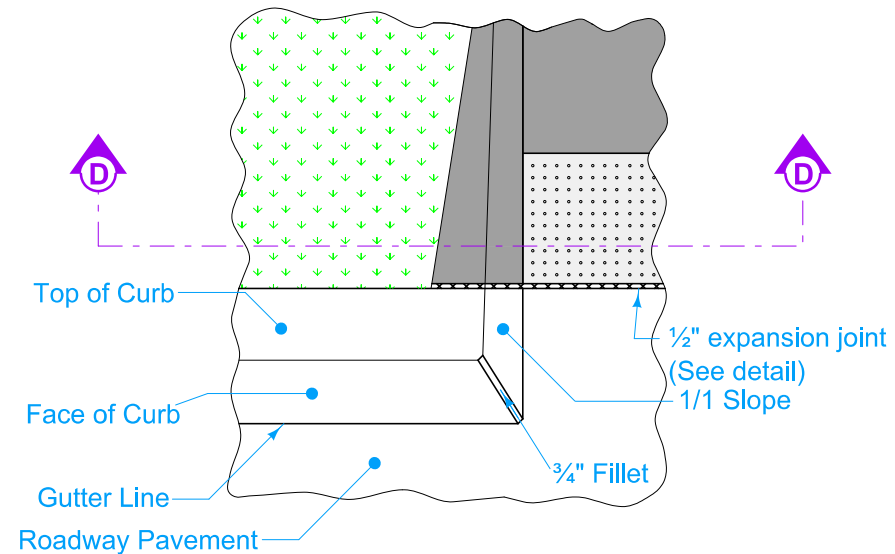


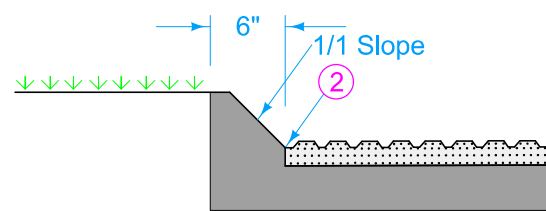
CURB RAMP PERPENDICULAR TO CURB



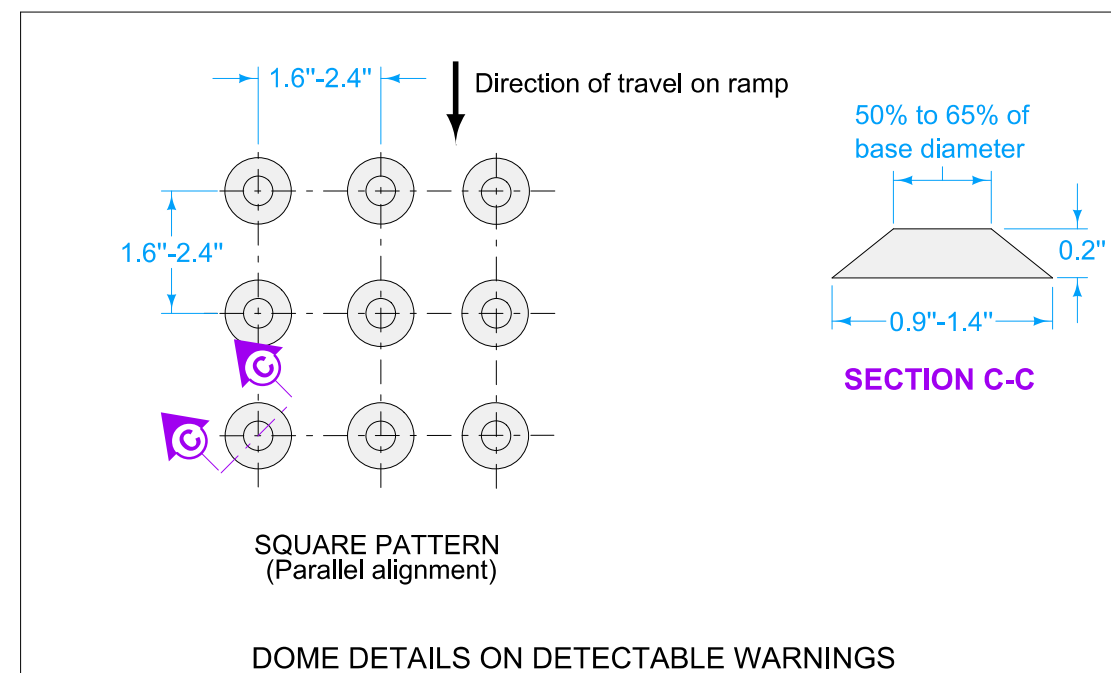
CURB RAMP NOT PERPENDICULAR TO CURB



DETAIL 'A'



SECTION D-D



**SQUARE PATTERN
(Parallel alignment)**

DOMES DETAILS ON DETECTABLE WARNINGS

- ① Unless curb ramp is aligned perpendicular to the street radius, provide an area of special shaping at the bottom of the ramp. This area allows the grade break at the bottom of the ramp to be perpendicular to the ramp and provides a smooth transition to gutterline for wheelchair access.
- ② Use vertical curb adjacent to ramp unless flares are specified in the project plans. Install Detectable Warnings so that no gap is left between warning panel and base of curb.

LEGEND	
	Ramp
	Landing
	Detectable Warnings
	Vegetation

Possible Contract Items:
 Detectable Warnings
 Sidewalk, P.C. Concrete, 6 in.
 Sidewalk, P.C. Concrete, 4 in.
 Removal of Sidewalk

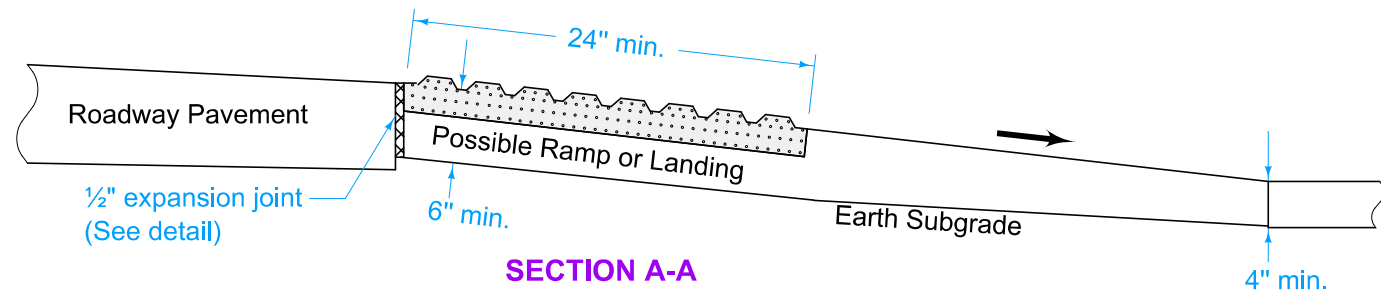
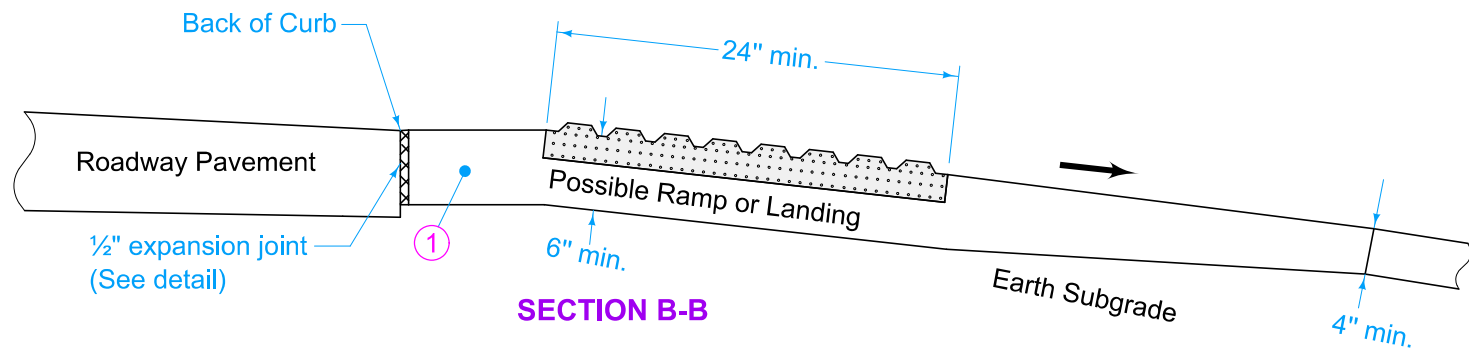
Possible Tabulation:
 113-1

 STANDARD ROAD PLAN	REVISION	
	7	04-15-25
	MI-220	
SHEET 1 of 3		

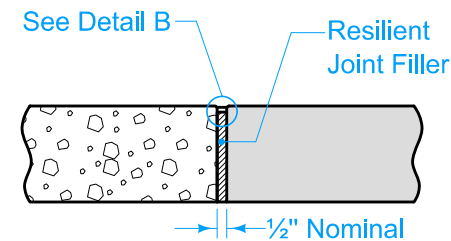
REVISIONS: Changed 'E' joint to 1/2" expansion joint, added expansion joint detail
 Changed curb end to 1/1 slope.

Shawn Miller
 APPROVED BY DESIGN METHODS ENGINEER

**DETECTABLE WARNINGS
 AND PEDESTRIAN RAMP**

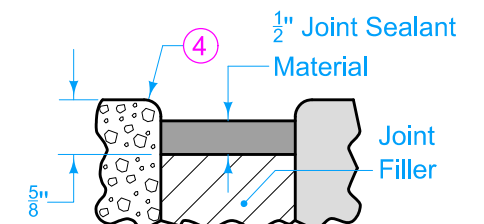


TYPICAL INSTALLATION DETECTABLE WARNING
WITH NON CURBED ROADWAY

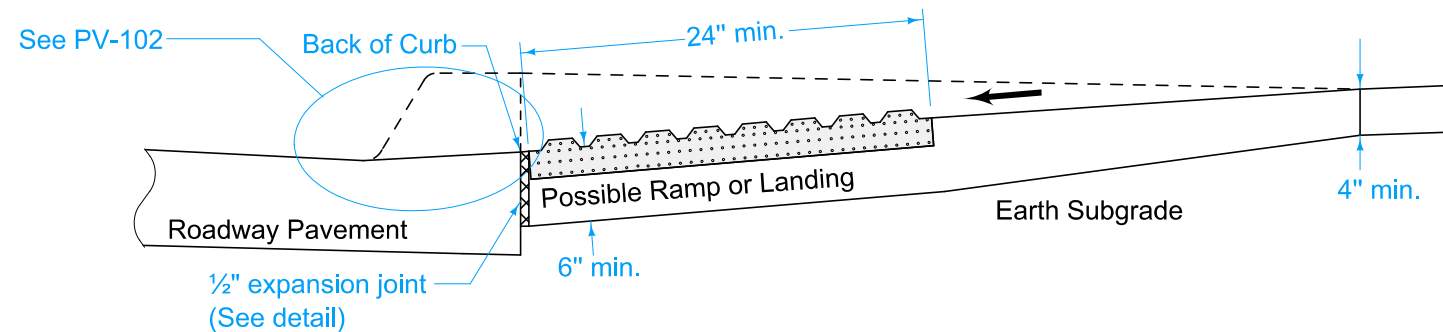
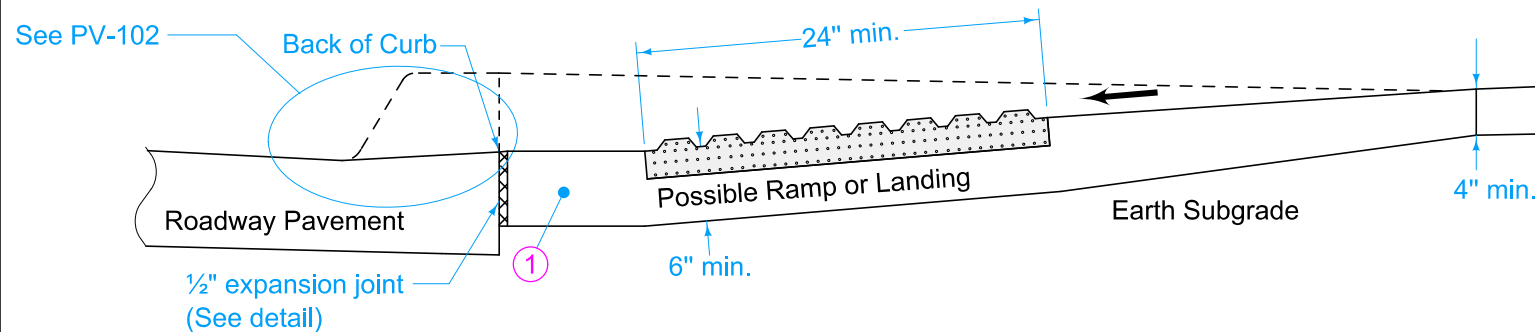


1/2" EXPANSION JOINT
DETAIL

- ① Unless curb ramp is aligned perpendicular to the street radius, provide an area of special shaping at the bottom of the ramp. This area allows the grade break at the bottom of the ramp to be perpendicular to the ramp and provides a smooth transition to gutterline for wheelchair access.
- ④ Edge with 1/4 inch tool for length of joint indicated if formed; edging not required when cut with diamond blade saw.



DETAIL B



TYPICAL INSTALLATION DETECTABLE WARNING
WITH CURBED ROADWAY

LEGEND	
	Ramp
	Landing
	Detectable Warnings
	Vegetation

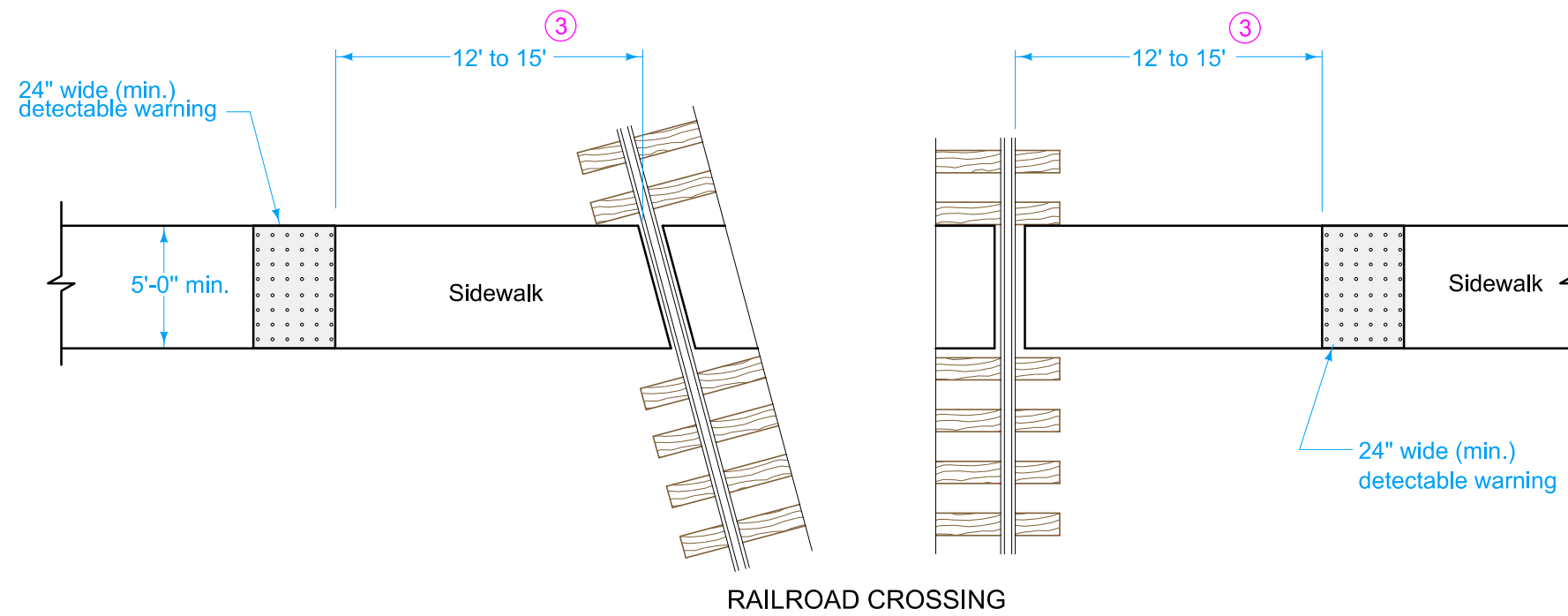
	REVISION
	7 04-15-25
STANDARD ROAD PLAN	
MI-220 SHEET 2 of 3	

REVISIONS: Changed 'E' joint to 1/2" expansion joint, added expansion joint detail
 Changed curb end to 1/4 slope.

Shawn Miller
 APPROVED BY DESIGN METHODS ENGINEER

**DETECTABLE WARNINGS
AND PEDESTRIAN RAMP**

③ If crossing gate conflicts with location of detectable warning, or if pedestrian crossing gate is provided, place detectable warning panel in advance of the crossing gate.



LEGEND	
	Ramp
	Landing
	Detectable Warnings
	Vegetation

	REVISION	
	7	04-15-25
STANDARD ROAD PLAN		MI-220
		SHEET 3 of 3
REVISIONS: Changed 'E' joint to 1/2" expansion joint, added expansion joint detail Changed curb end to 1/4 slope.		
APPROVED BY DESIGN METHODS ENGINEER		
DETECTABLE WARNINGS AND PEDESTRIAN RAMP		