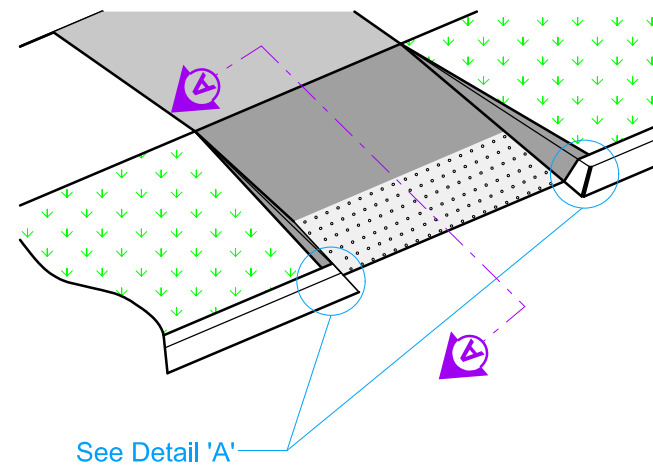
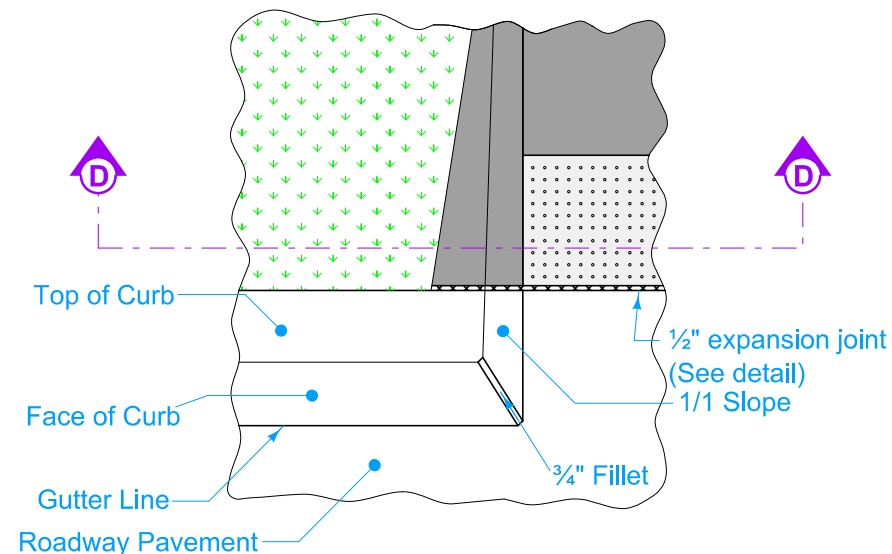
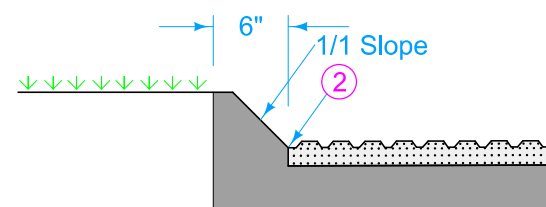




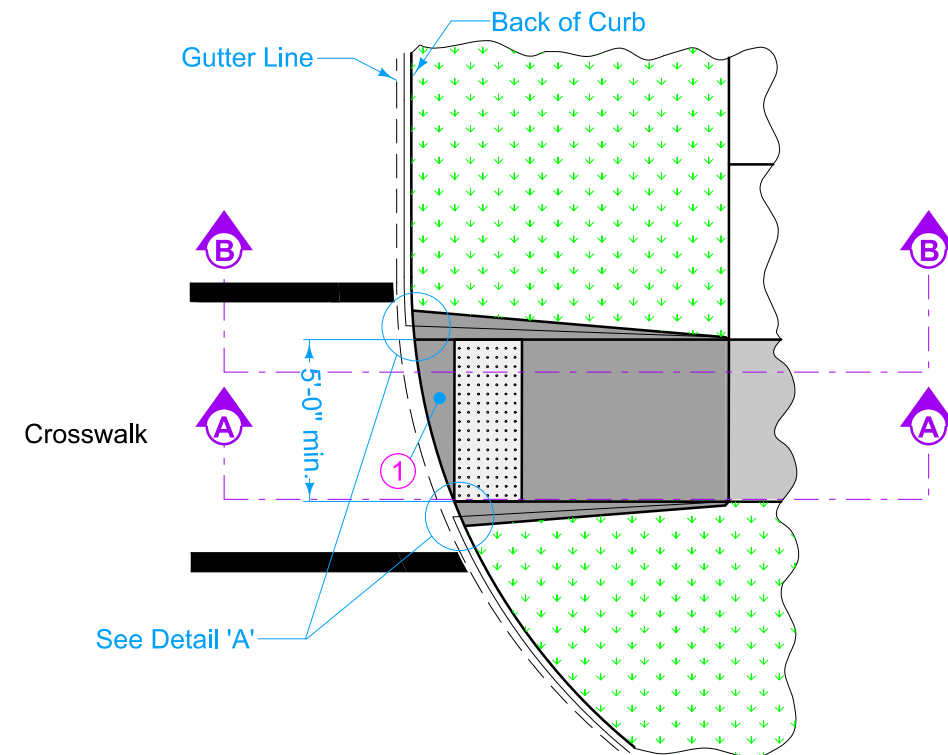
CURB RAMP PERPENDICULAR TO CURB



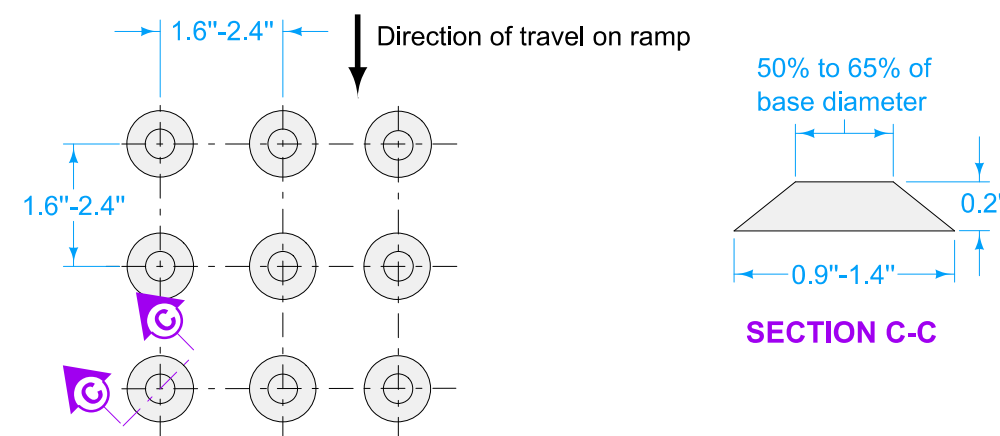
DETAIL 'A'



SECTION D-D



CURB RAMP NOT PERPENDICULAR TO CURB



SQUARE PATTERN
(Parallel alignment)

DOME 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

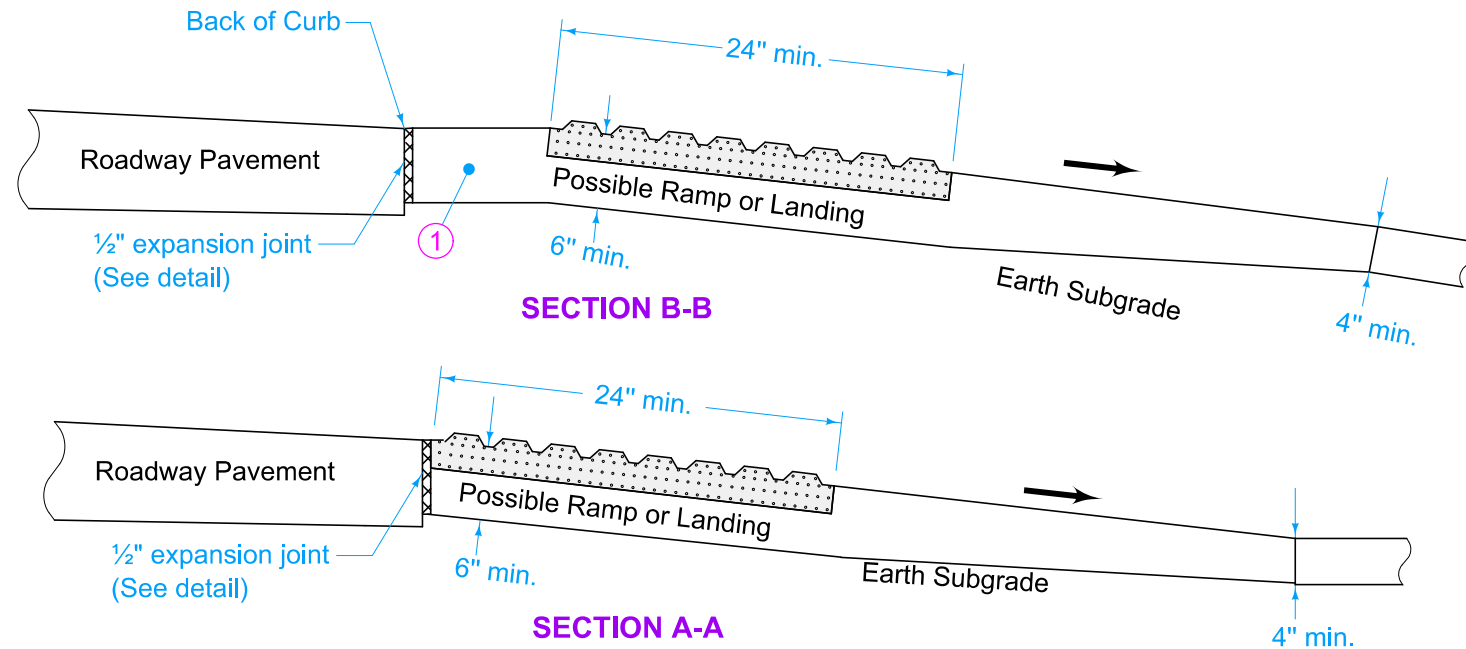
Possible Tabulation:
 113-1

REVISION	
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MI-220	
SHEET 1 of 3	

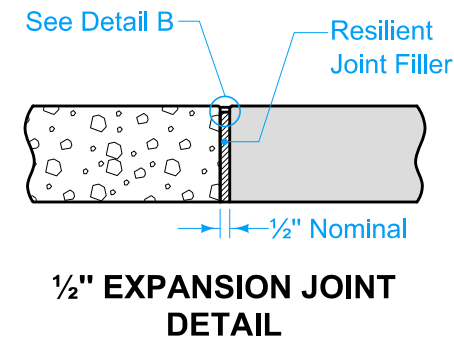
REVISIONS: Changed 'E' joint to 1/2" expansion joint, added expansion joint detail
 Changed curb end to 1/1 slope.

Shawn Miller
 APPROVED BY DESIGN METHODS ENGINEER

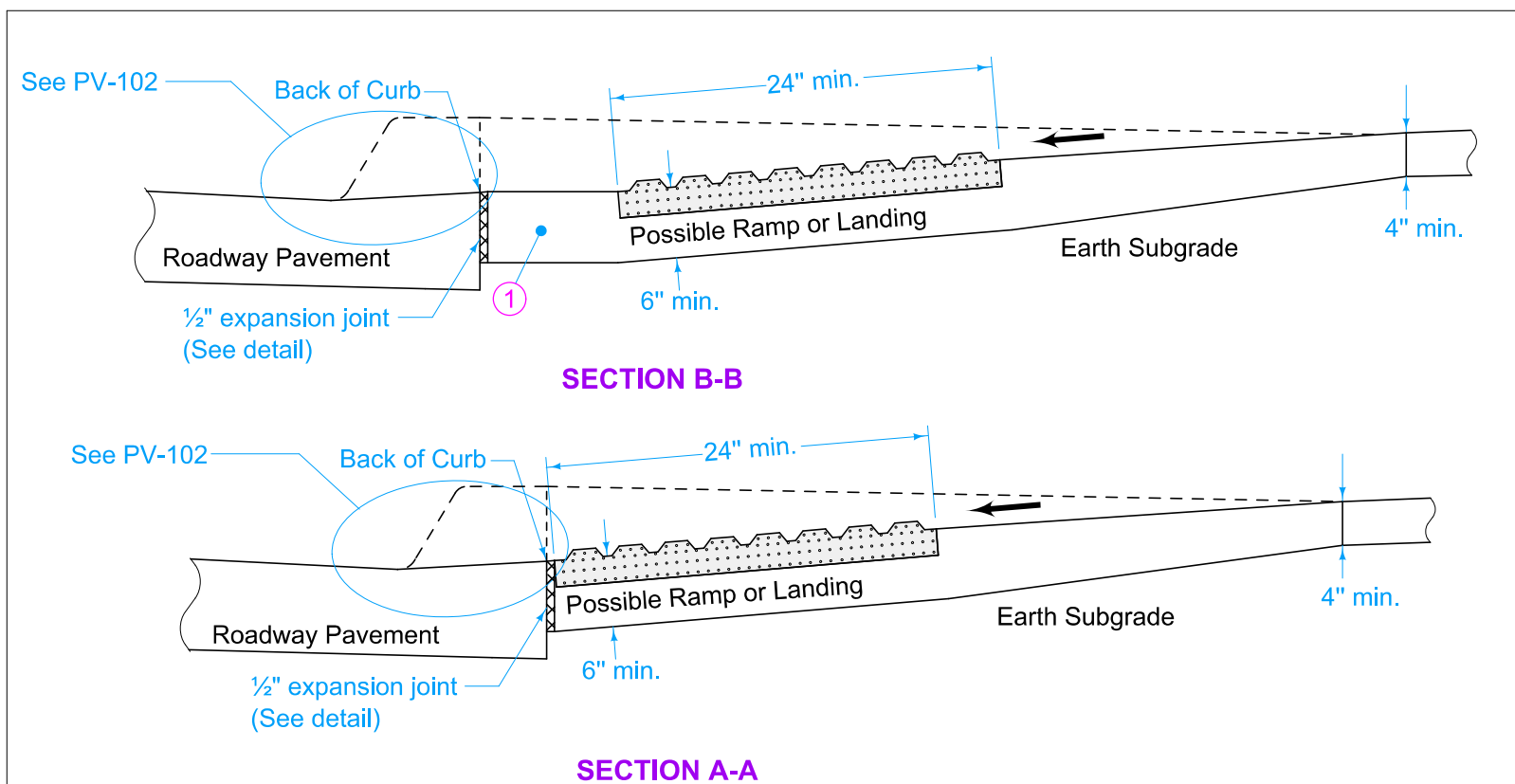
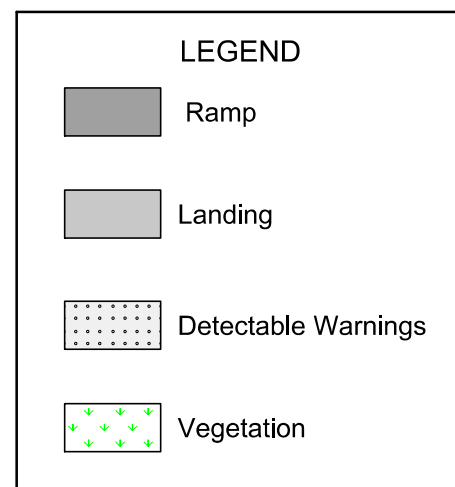
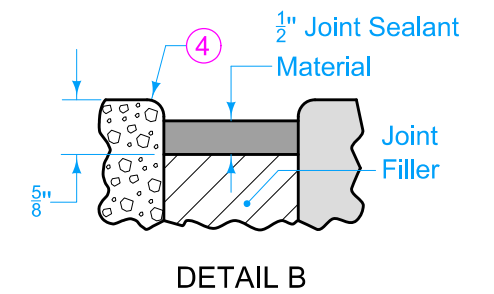
**DETECTABLE WARNINGS
 AND PEDESTRIAN RAMP**



TYPICAL INSTALLATION DETECTABLE WARNING
WITH NON CURBED ROADWAY



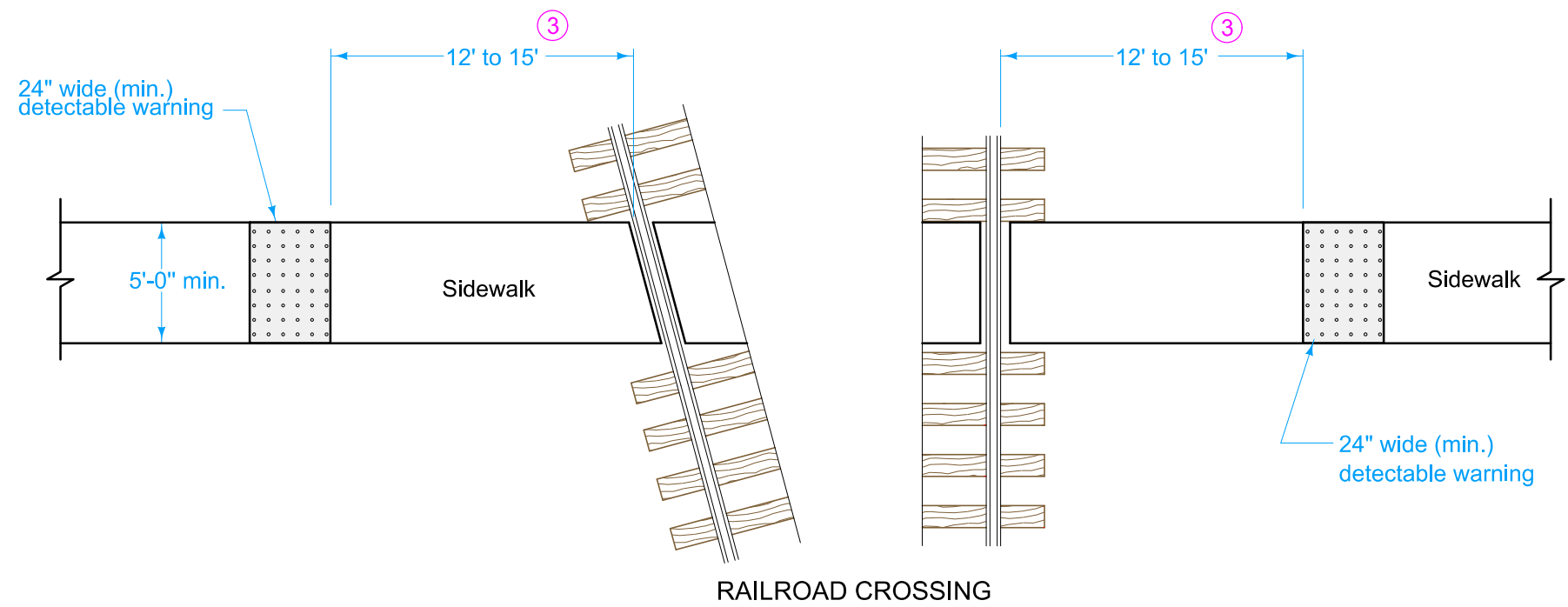
- ① Unless curb ramp is aligned perpendicular to the street radius, provide an area of special shaping at the bottom of the ramp. This area allows the grade break at the bottom of the ramp to be perpendicular to the ramp and provides a smooth transition to gutterline for wheelchair access.
- ④ Edge with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



TYPICAL INSTALLATION DETECTABLE WARNING
WITH CURBED ROADWAY

 IOWA DOT	REVISION	
	7	04-15-25
	MI-220	
	SHEET 2 of 3	
STANDARD ROAD PLAN		
REVISIONS:	Changed 'E' joint to 1/2" expansion joint, added expansion joint detail Changed curb end to 1/1 slope.	
		
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

IOWA | DOT

STANDARD ROAD PLAN

REVISION

704-15-25

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