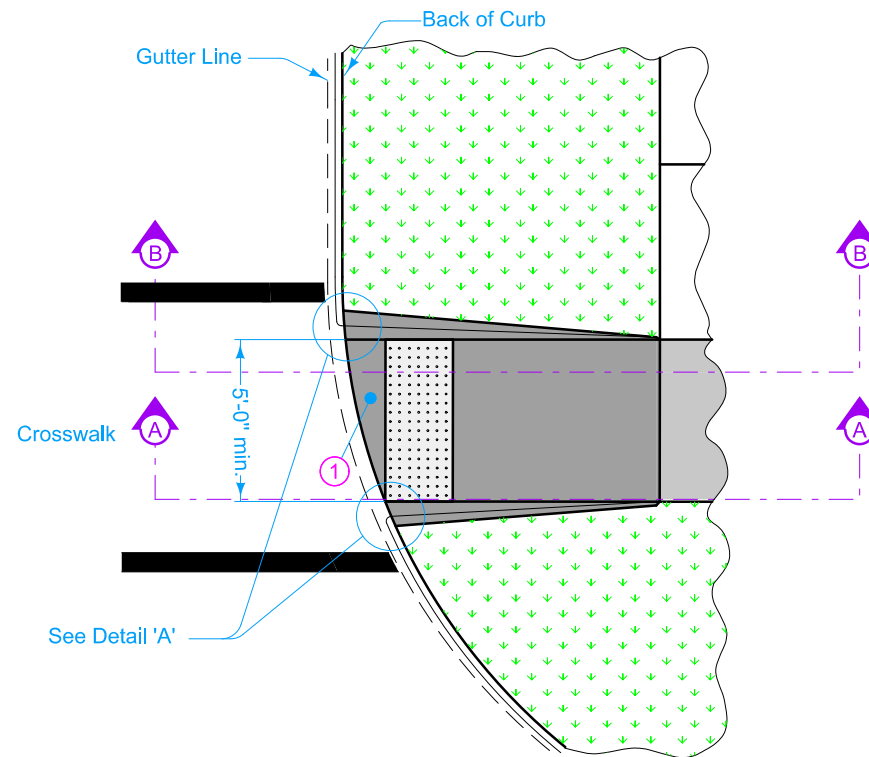
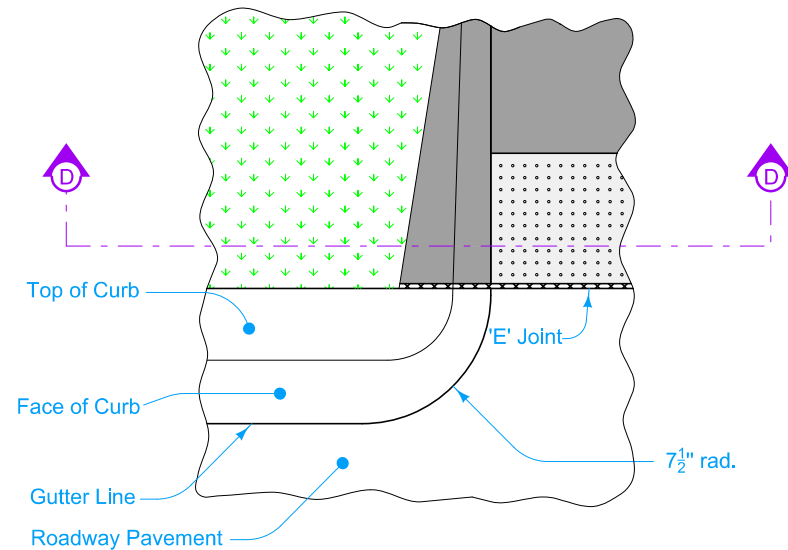


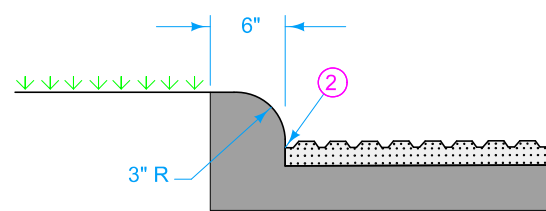
CURB RAMP PERPENDICULAR TO CURB



CURB RAMP NOT PERPENDICULAR TO CURB

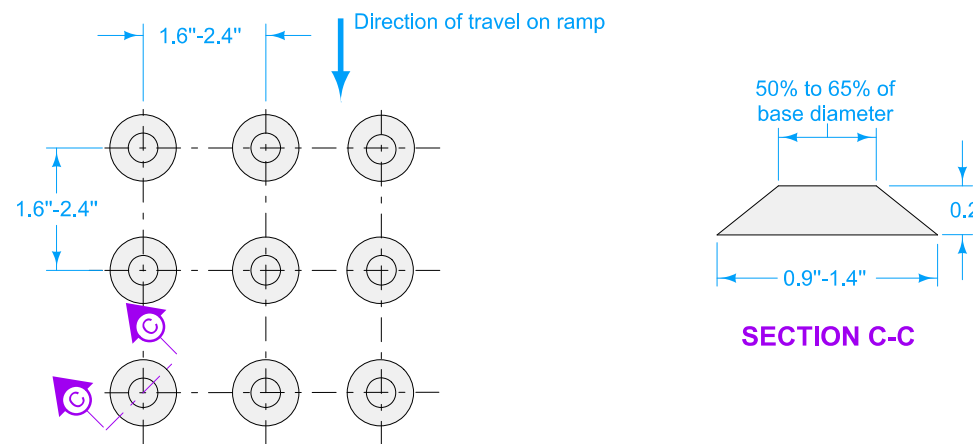


DETAIL 'A'



SECTION D-D

LEGEND	
	Ramp
	Landing
	Detectable Warnings
	Vegetation



**SQUARE PATTERN
(Parallel alignment)**

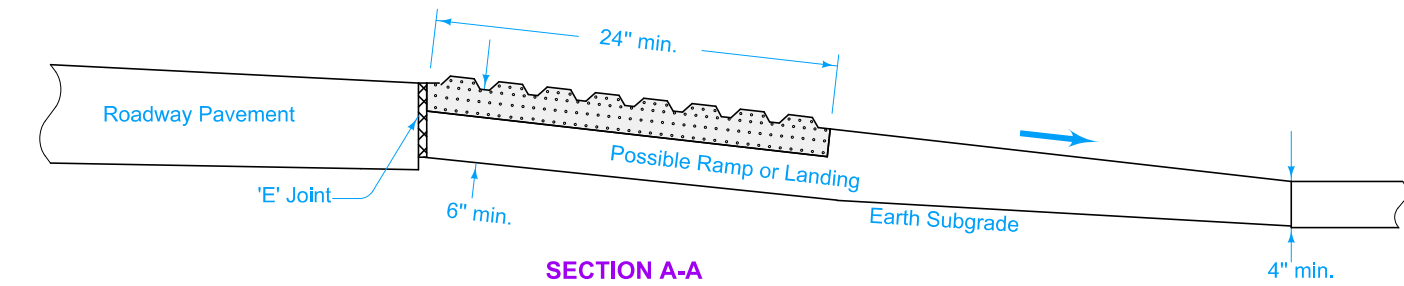
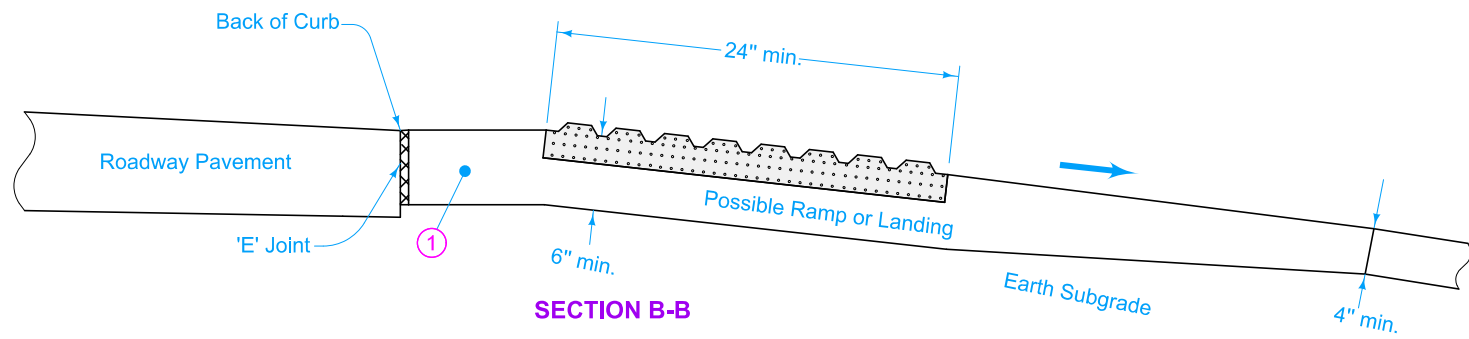
DOMES ON DETECTABLE WARNINGS

- 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.

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

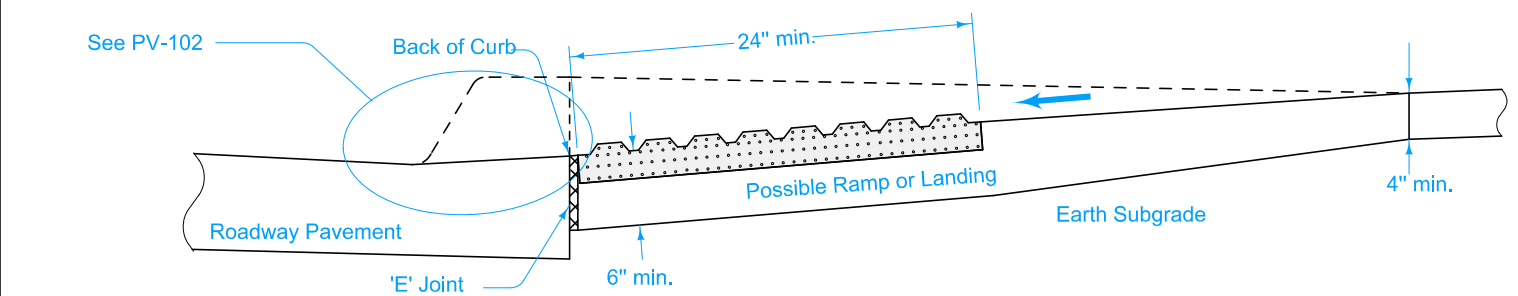
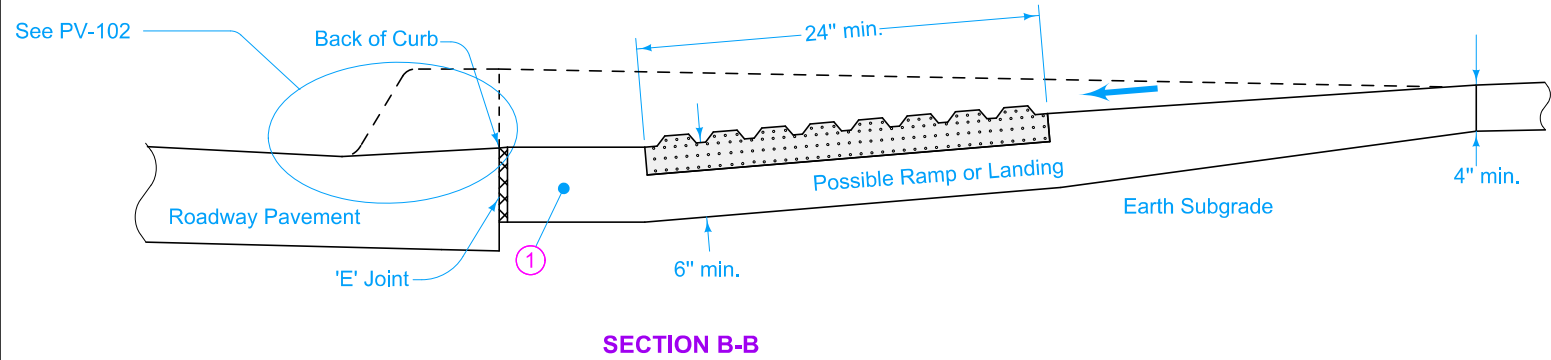
Possible Tabulation:
 113-1

 STANDARD ROAD PLAN	REVISION	
	6	10-20-15
MI-220		
SHEET 1 of 3		
REVISIONS: Changed dimension from track to detectable warning on Sheet 3. Added note 3 to Sheet 3.		
 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.

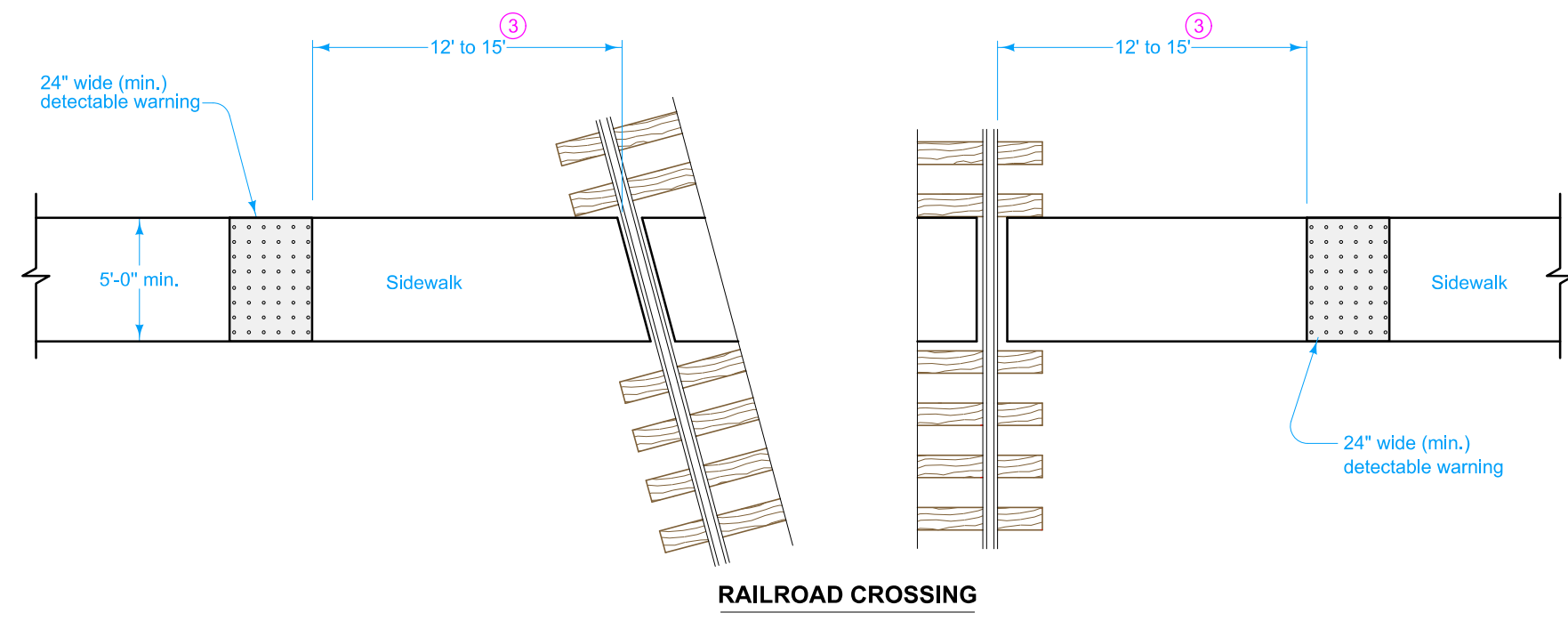


TYPICAL INSTALLATION DETECTABLE WARNING WITH CURBED ROADWAY

LEGEND	
	Ramp
	Landing
	Detectable Warnings
	Vegetation





	REVISION	
	6	10-20-15
STANDARD ROAD PLAN		MI-220
		SHEET 2 of 3
REVISIONS: Changed dimension from track to detectable warning on Sheet 3. Added note 3 to Sheet 3.		
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.



RAILROAD CROSSING

LEGEND

-  Ramp
-  Landing
-  Detectable Warnings
-  Vegetation

	REVISION	
	6	10-20-15
STANDARD ROAD PLAN		MI-220
		SHEET 3 of 3
REVISIONS: Changed dimension from track to detectable warning on Sheet 3. Added note 3 to Sheet 3.		
 APPROVED BY DESIGN METHODS ENGINEER		
DETECTABLE WARNINGS AND PEDESTRIAN RAMP		