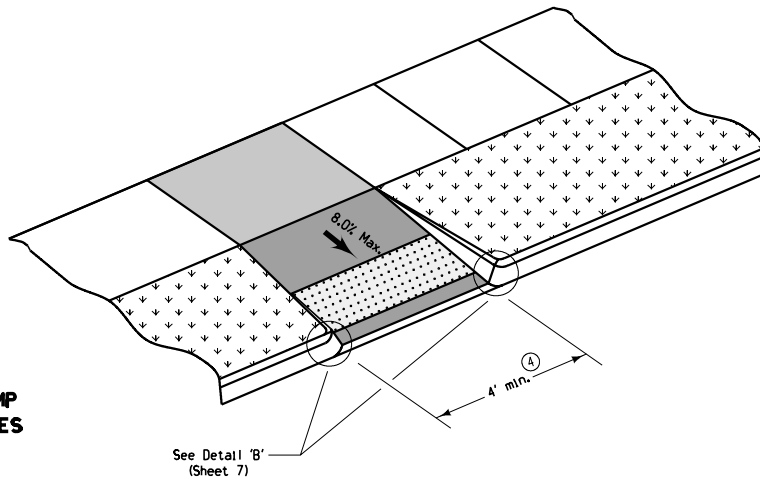
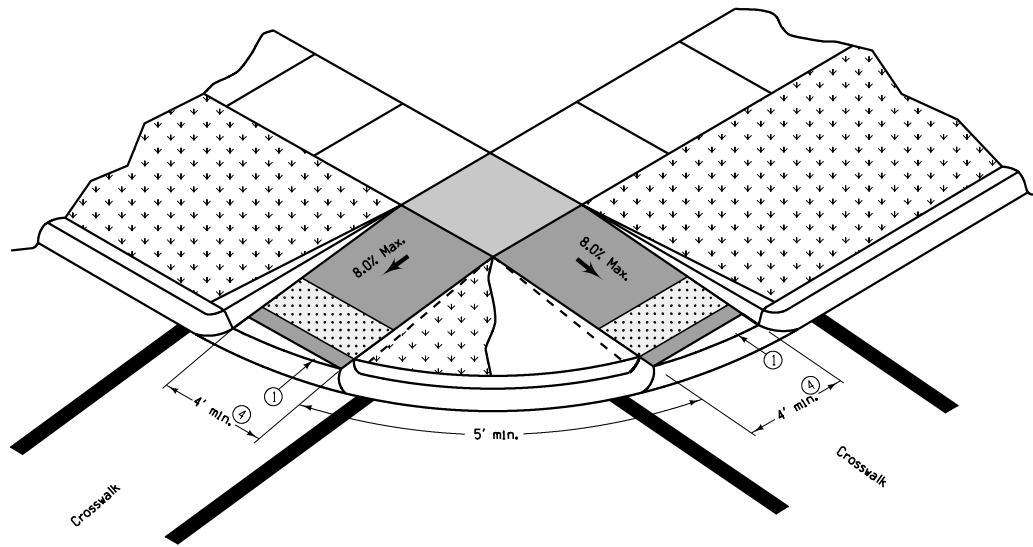


**TYPE 1-R
PERPENDICULAR RAMP
WITH RETURNED SIDES**







- ① Unless curb ramp is aligned perpendicular to the street radius, an area of special shaping must be provided at the bottom of the ramp. This area shall allow the grade break at the bottom of the ramp to be perpendicular to the ramp and shall provide a smooth transition to gutterline for wheelchair access. No curb lip allowed in this area. Maximum cross slope shall be 2%.
- ② Maximum cross slope on all ramps is 2%.
- ③ A 4' min. x 4' min. landing area shall be provided at all curb ramps. Maximum slope in any direction is 2%.
- ④ Distance measured from face of curb to face of curb.




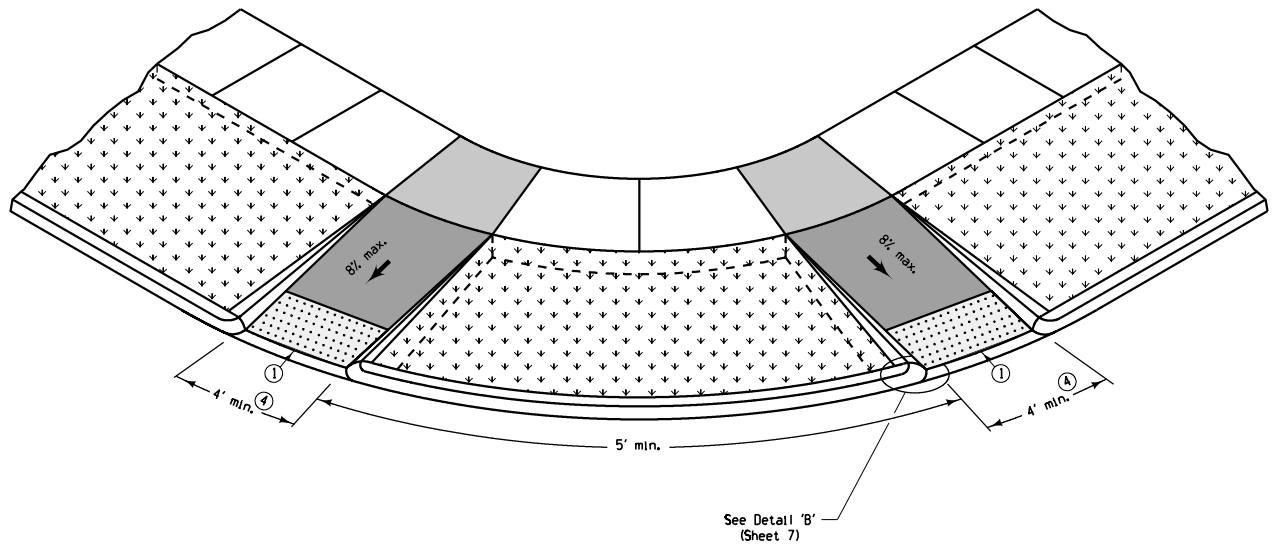
**TYPICAL APPLICATION
OF TYPE 1-R RAMPS
AT A CORNER**

LEGEND

	Curb Ramp ②
	Landing Area ③
	Detectable Warnings
	Vegetation

Contract Items:
PCC Sidewalk, 6 inch
Detectable Warnings
Tabulation: 112-4

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<i>Deanna Masfield</i> APPROVED BY DESIGN METHODS ENGINEER	
PEDESTRIAN CURB RAMPS	



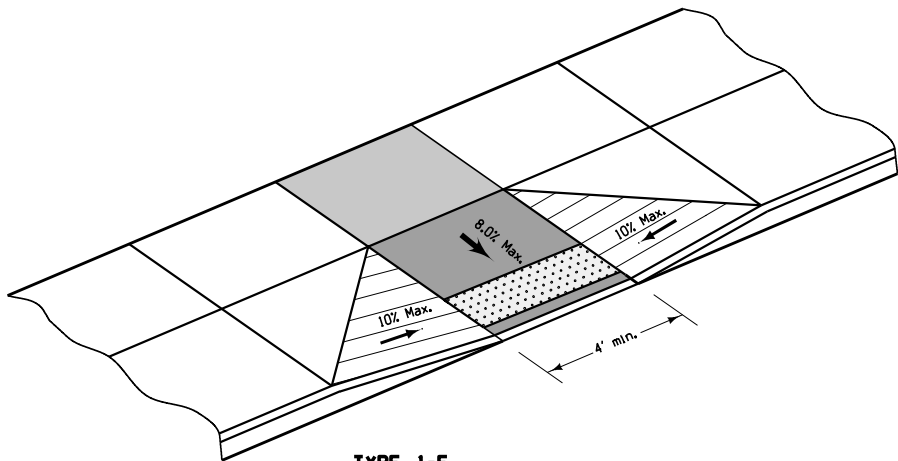
- ① Unless curb ramp is aligned perpendicular to the street radius, an area of special shaping must be provided at the bottom of the ramp. This area shall allow the grade break at the bottom of the ramp to be perpendicular to the ramp and shall provide a smooth transition to gutterline for wheelchair access. No curb lip allowed in this area. Maximum cross slope shall be 2%.
- ② Maximum cross slope on all ramps is 2%.
- ③ A 4' min. x 4' min. landing area shall be provided at all curb ramps. Maximum slope in any direction is 2%.
- ④ Distance measured from face of curb to face of curb.

LEGEND

	Curb Ramp ②
	Landing Area ③
	Detectable Warnings
	Vegetation

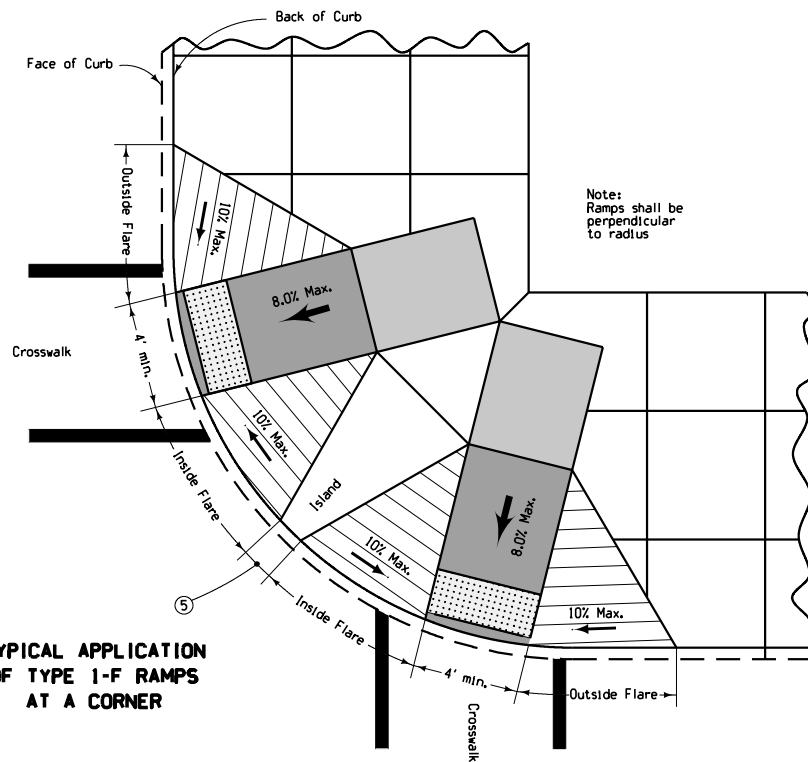
**TYPICAL LARGE RADIUS APPLICATION
OF TYPE 1-R**

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PEDESTRIAN CURB RAMPS	



**TYPE 1-F
PERPENDICULAR RAMP
WITH FLARED SIDES**

- ② Maximum cross slope on all ramps is 2%.
- ③ A 4' min. x 4' min. landing area shall be provided at all curb ramps. Maximum slope in any direction in 2%.
- ⑤ Width varies; if center island cannot be constructed at a minimum width of 2' and height of 3" by reducing the width of the island flares, refer to Type 5.



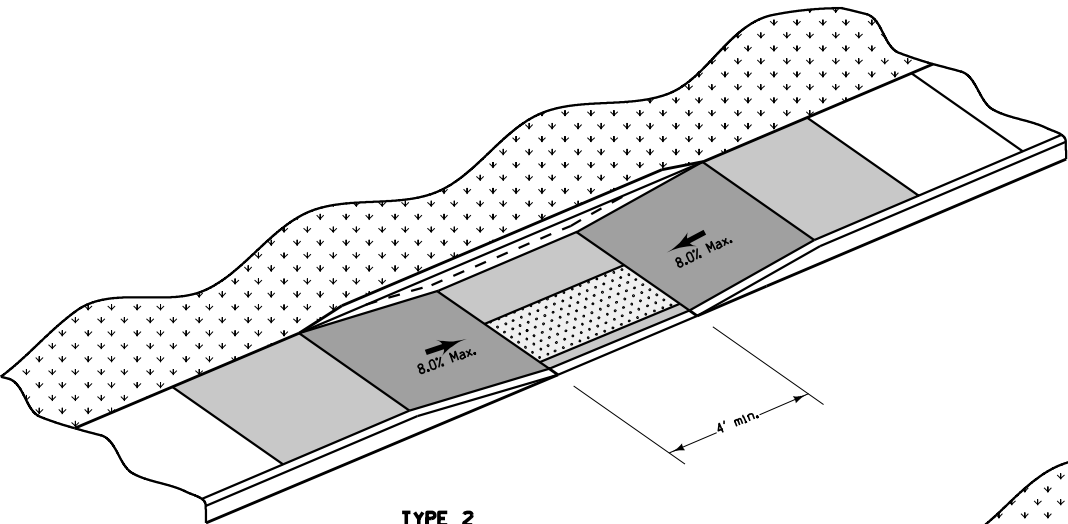
**TYPICAL APPLICATION
OF TYPE 1-F RAMPS
AT A CORNER**

LEGEND

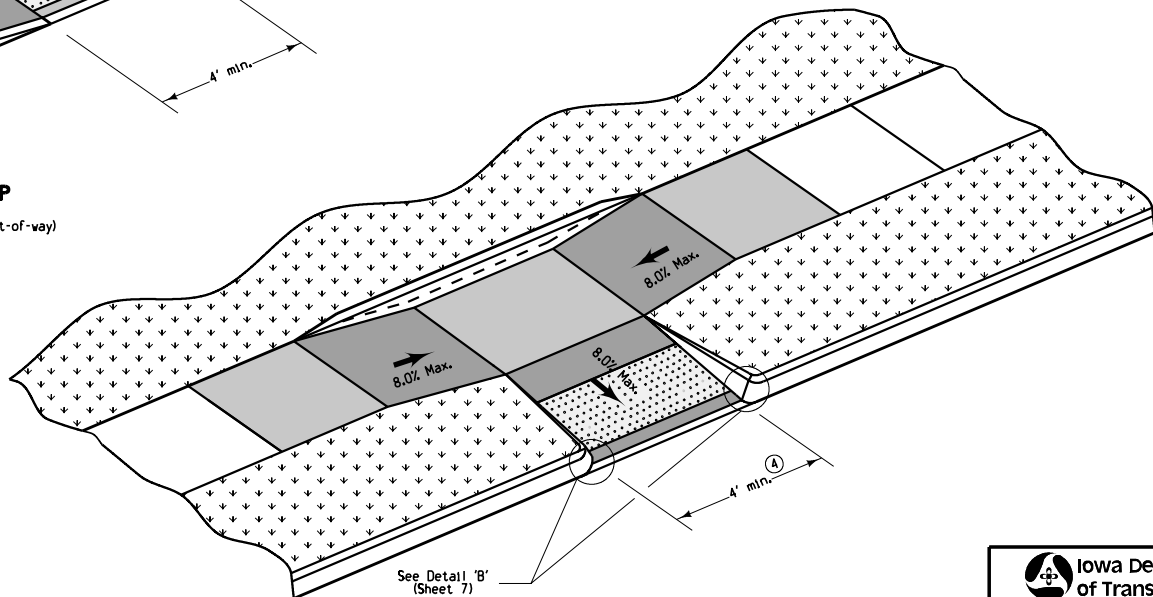
	Curb Ramp ②
	Landing Area ③
	Detectable Warnings
	Flared Sides

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Modified ramp width and added a sheet for new ramp type.</p> <p><i>Deanna Macfild</i> APPROVED BY DESIGN METHODS ENGINEER</p>	<p>REVISION</p> <table border="1"> <tr> <td>14</td> <td>10-21-08</td> </tr> </table>	14	10-21-08
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	<p>RB-6</p> <p>SHEET 3 of 7</p>		
<p>PEDESTRIAN CURB RAMPS</p>			

- ② Maximum cross slope on all ramps is 2%.
- ③ A 4' min. x 4' min. landing area shall be provided at all curb ramps. Maximum slope in any direction is 2%.
- ④ Distance measured from face of curb to face of curb.








**TYPE 2
PARALLEL RAMP**
(For use with restricted right-of-way)



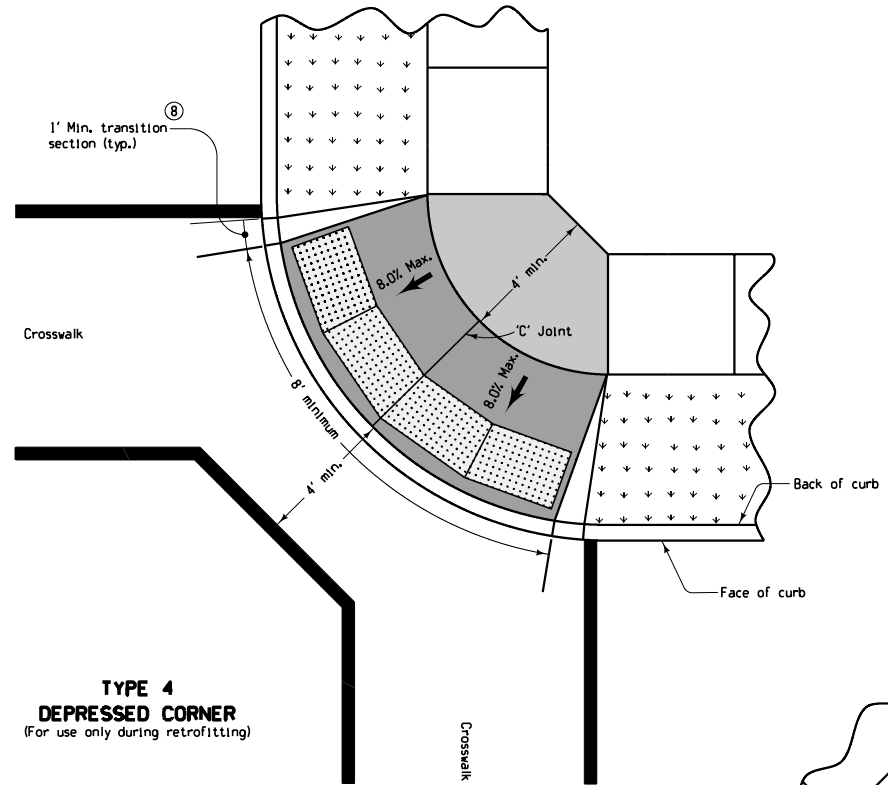
**TYPE 3
COMBINATION RAMP**
(For use with restricted right-of-way)

LEGEND

	Curb Ramp ②
	Landing Area ③
	Detectable Warnings
	Vegetation

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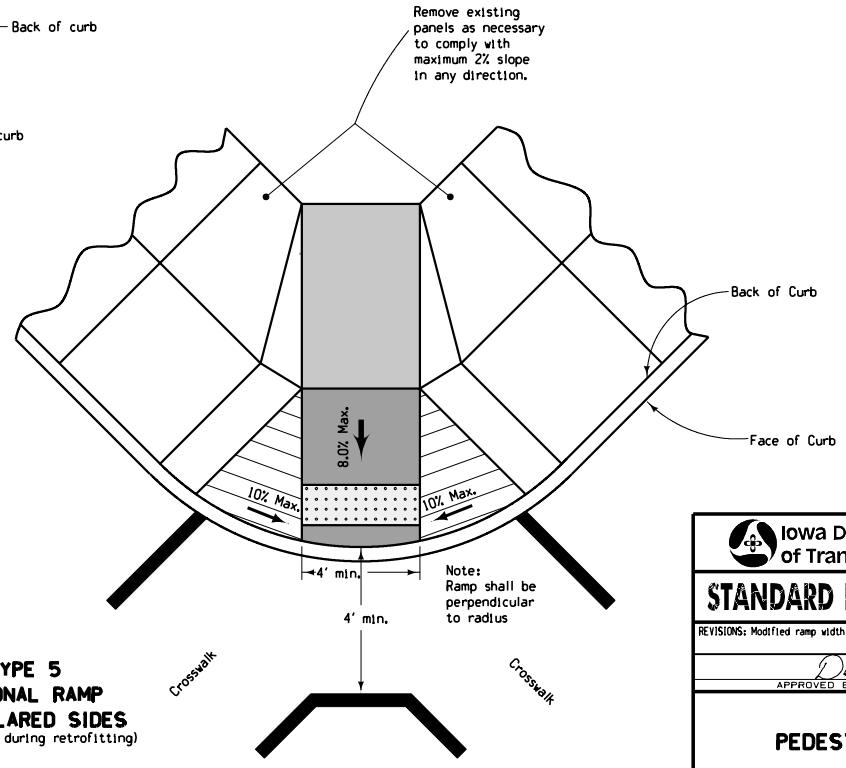
- ② Maximum cross slope on all ramps is 2%.
- ③ A 4' min. x 4' min. landing area shall be provided at all curb ramps. Maximum slope in any direction is 2%.
- ⑧ At existing curb and gutter locations, remove curb and build transition section.



**TYPE 4
DEPRESSED CORNER**
(For use only during retrofitting)

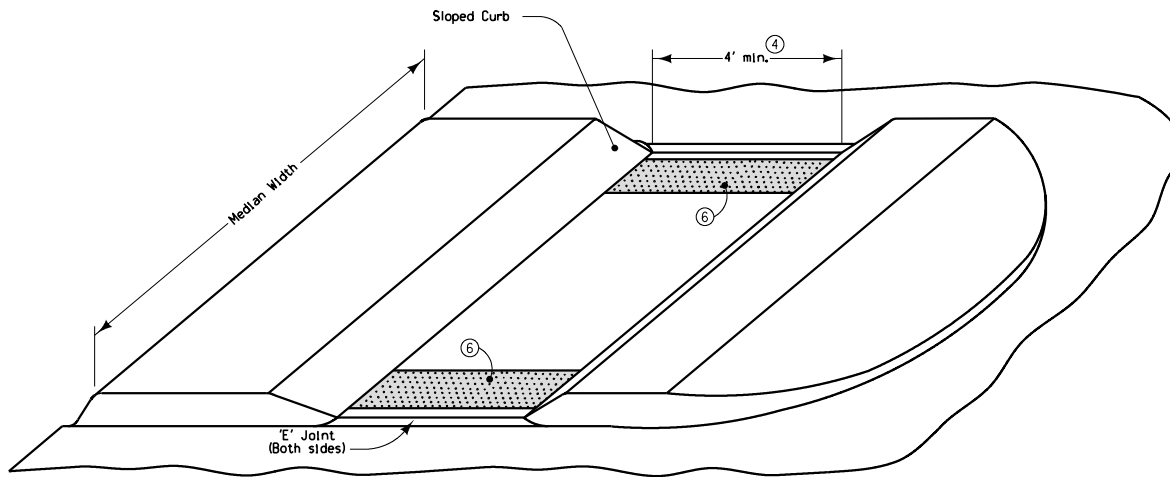
LEGEND

	Curb Ramp ②
	Landing Area ③
	Detectable Warnings
	Vegetation
	Flared Sides



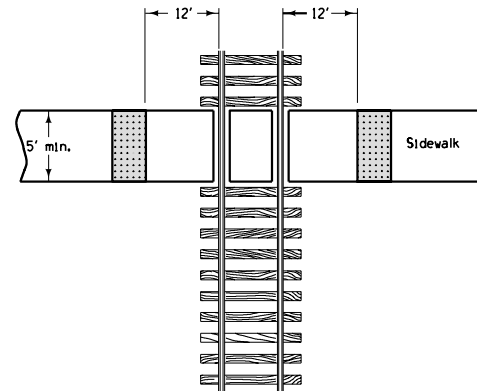
**TYPE 5
DIAGONAL RAMP
WITH FLARED SIDES**
(For use only during retrofitting)

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PEDESTRIAN CURB RAMPS		



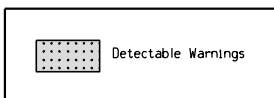
- ④ Distance measured from face of curb to face of curb.
- ⑥ For medians at signal-controlled crossing: Where signal timing is such that most pedestrians are likely to cross the entire roadway within one crossing phase, detectable warnings may be omitted.


**TYPE 6
ACCESS AT CURBED MEDIANS**

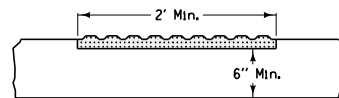
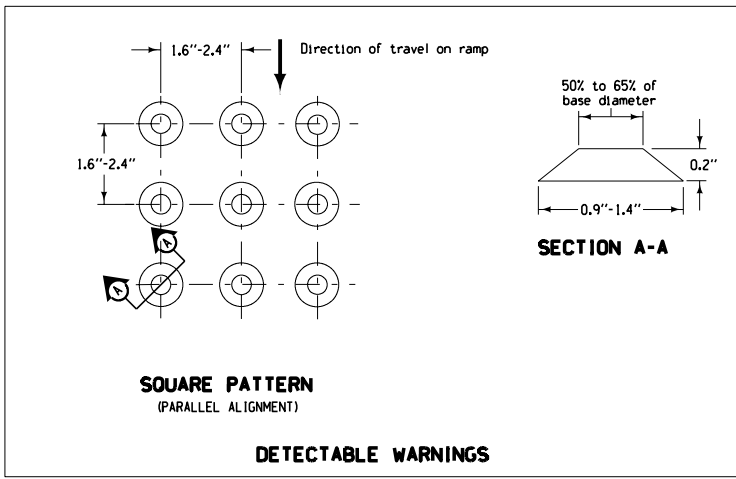


**TYPE 7
RAILROAD CROSSING**

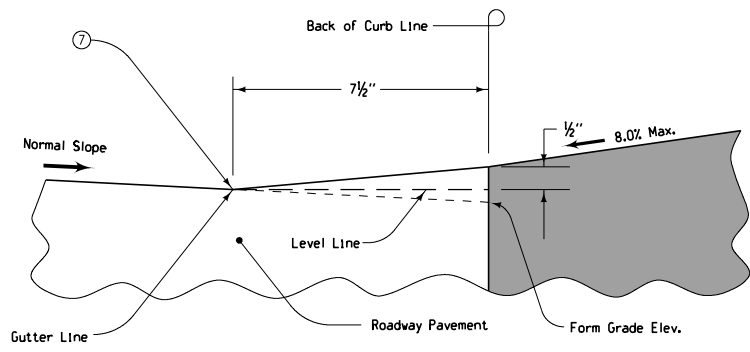
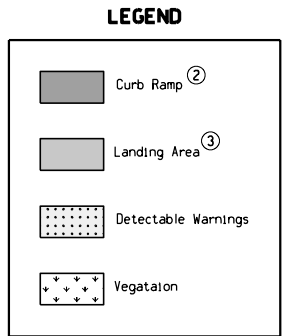
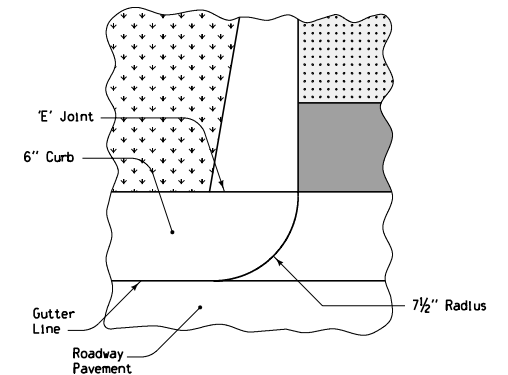
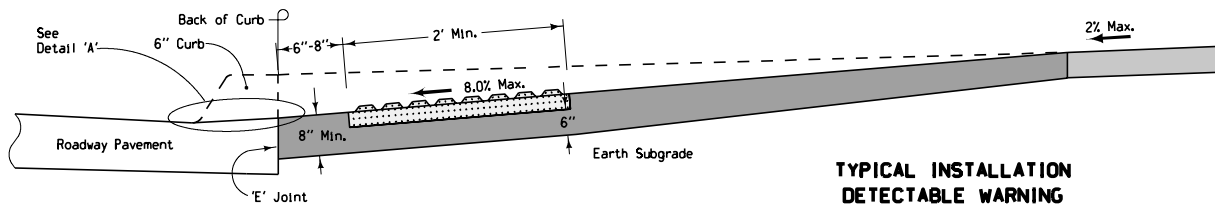
LEGEND



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PEDESTRIAN CURB RAMPS		



- ② Maximum cross slope on all ramps is 2%.
- ③ A 4' min. x 4' min. landing area shall be provided at all curb ramps. Maximum slope in any direction is 2%.
- ⑦ At points where a change in slope occurs, the algebraic grade difference shall not exceed 11%.



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