




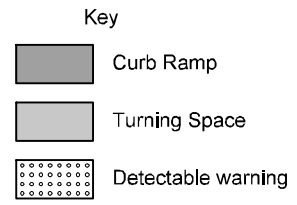
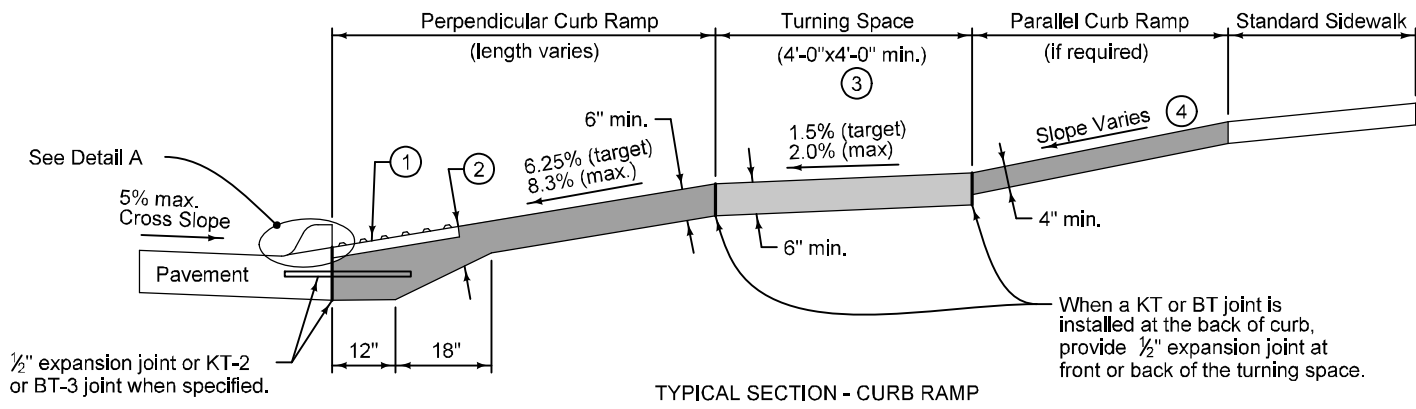


- 1 Match pedestrian street crossing slope, or flatter.
- 2 Minimum 5 feet by 5 feet, unless approved by Engineer. Target slope = 1.5%; maximum slope = 2.0% perpendicular to adjoining sidewalks and curb ramps.
- 3 All Urbandale Sidewalks to be 5 feet wide, unless approved by Engineer.
- 4 Detectable warning panels to be Armor Tile, ADA Solutions, or approved equal, red in color. Brick pavers will not be allowed.

Key

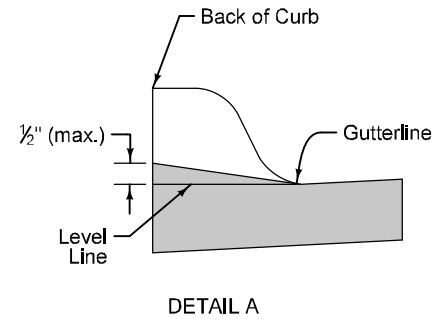
-  Curb Ramp
-  Turning Space
-  Detectable Warning 4
-  Grass

	URBANDALE STANDARD SPECIFICATIONS	REVISION 02-16-15  <b>7030.204</b> SHEET 1 of 1
	GENERAL FEATURES OF AN ACCESSIBLE SIDEWALK	



- Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.
- Provide a minimum of 6 inches of concrete below the detectable warning panel.
- Target slope of 1.5% with maximum slope perpendicular to the travel directions of 2.0%. Minimum 4 feet by 4 feet.
- If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.



- 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.
- Locate front edge of detectable warning panel 12 to 15 feet from centerline of nearest rail. Orient truncated domes parallel to the direction of pedestrian travel.

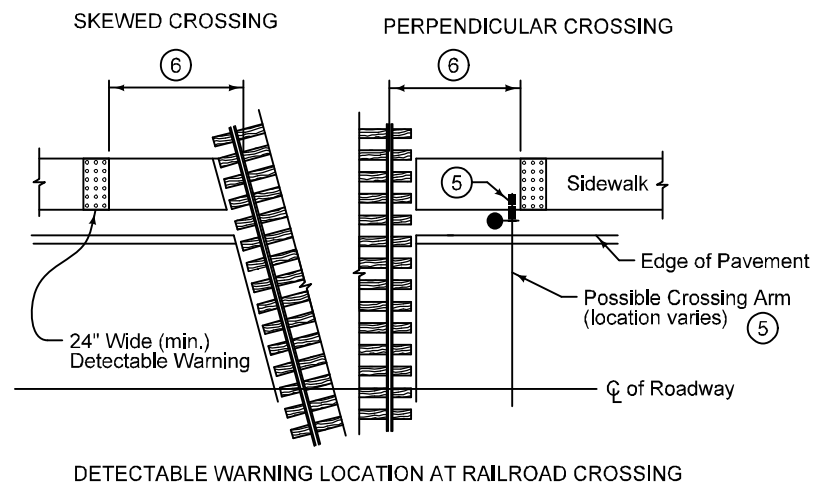
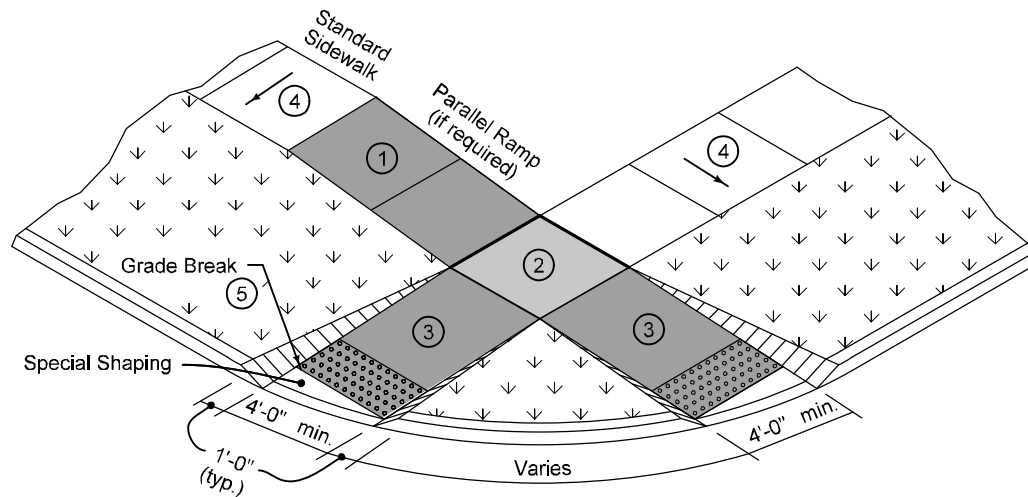


FIGURE 7030.205 SHEET 1 OF 1

	REVISION
	New 10-16-12
	<b>7030.205</b>
SHEET 1 of 1	
SUDAS Standard Specifications	
GENERAL SIDEWALK AND CURB RAMP DETAILS	








- ① Parallel Curb Ramp: If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

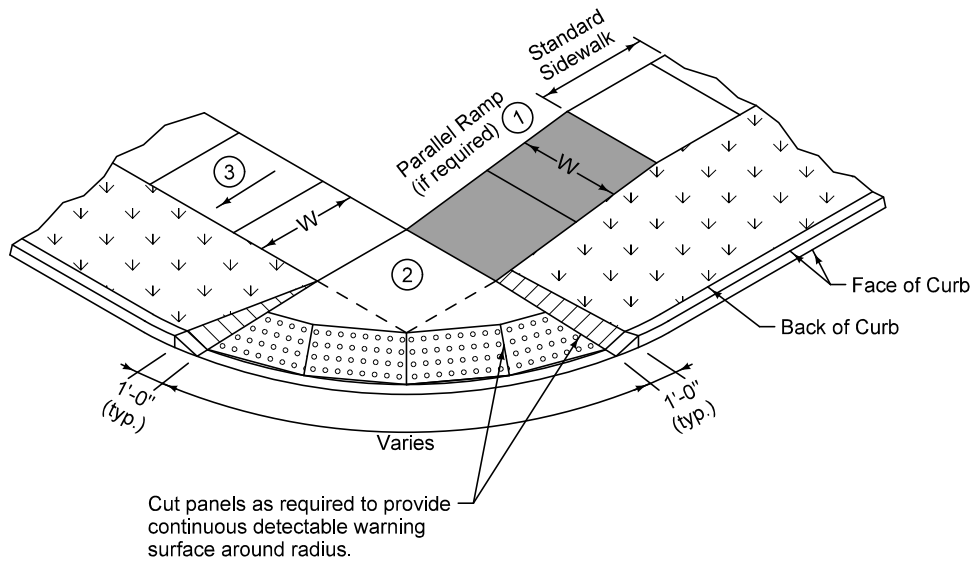
The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.

- ② Turning Space: Target slope of 1.5% with maximum slope perpendicular to the travel directions of 2.0%. Minimum 4 feet by 4 feet.
- ③ Perpendicular Curb Ramp: Target running slope of 6.25% with maximum running slope of 8.3%.
- ④ Target cross slope of 1.5% with a maximum cross slope of 2.0%.
- ⑤ Match pedestrian street crossing cross slope or flatter.

Key

-  Curb Ramp
-  Turning Space
-  Detectable warning
-  Grass

	<small>REVISION</small> New 10-16-12
	7030.207
	SHEET 1 of 1
SUDAS Standard Specifications	
CURB RAMP FOR CLASS B OR C SIDEWALK	







① Parallel Curb Ramp: If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.


The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.

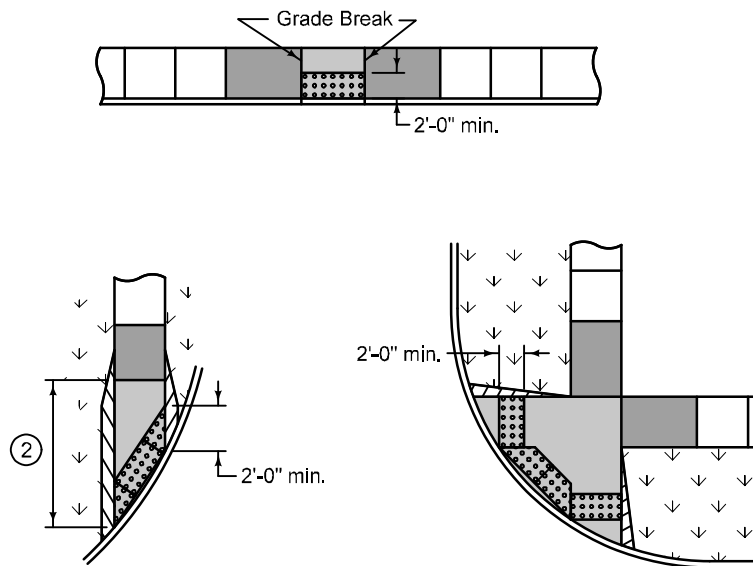
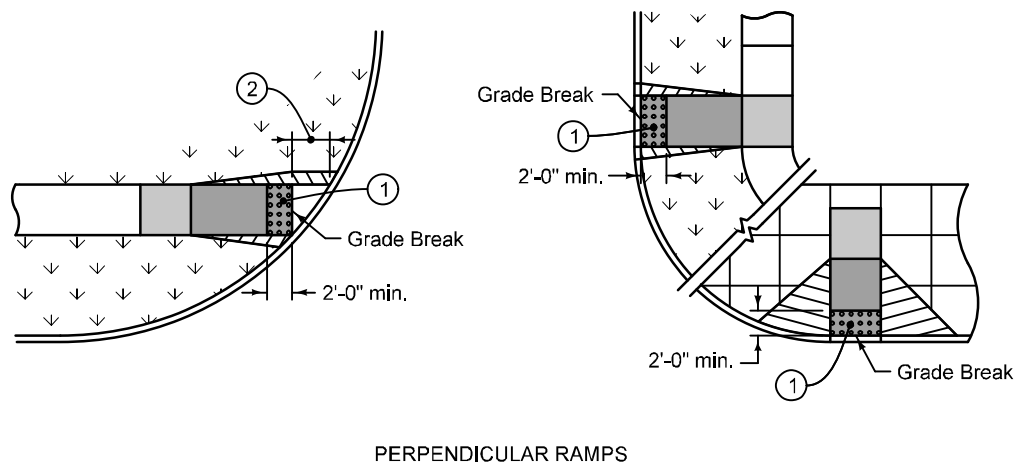
② Turning Space: Target slope of 1.5% with maximum slope perpendicular to the direction of travel of 2.0%. Minimum 4 feet by 4 feet.

③ Target cross slope of 1.5% with a maximum cross slope of 2.0%.

Key

-  Curb Ramp
-  Turning Space
-  Detectable warning
-  Grass

	REVISION New 10-16-12
	<b>7030.208</b>
	SHEET 1 of 1
<b>SUDAS Standard Specifications</b>	
<b>ALTERNATIVE CURB RAMP FOR CLASS B OR C SIDEWALK</b>	



Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.

- ① When detectable warning is located on curb ramp surface, orient domes in the direction of pedestrian travel.
- ② When the distance between the grade break and the back of curb is less than 5 feet, place detectable warning surface at the bottom of the curb ramp.

Where one corner of the curb ramp is more than 5 feet from the back of curb, construct curb ramp as a parallel curb ramp. Move grade break back as required to place detectable warning on turning space at the back of curb.

Key

- Curb Ramp
- Turning Space
- Detectable Warning

	REVISION New 10-16-12
	7030.210
SHEET 1 of 1	
SUDAS Standard Specifications	
DETECTABLE WARNING PLACEMENT	