

1) Sidewalk Transitions

- a: Located adjacent to the landing and or flare
- b: 48" minimum width
- c: 2% (1:50) maximum cross slope
- d: 8.33% (1:12) maximum slope

2) Landings

- a: Located above the ramp
- b: 48" minimum clear space in all directions
- c: 2% (1:50) maximum slope and cross slope

3) Ramps

- a: Located above pan or below landing
- b: 48" minimum width
- c: 2% (1:50) maximum cross slope
- d: 8.33% (1:12) maximum slope
- e: All ramps shall have Detectable Warning (truncated domes) and shall be placed on the ramp unless the ramp is connected to a pan
- f: Transition to gutter shall be flush and free of abrupt changes

4) Pans

- a: Located below ramp
- b: 48" minimum at back of pan
- c: 54" minimum from back of pan to flow line
- d: Maximum slope of 2% to 1% from back of pan to flow line
- e: 2% (1:50) maximum cross slope
- f: On corners, pan boundaries are to be radial
- g: Transition to gutter shall be flush and free of abrupt changes
- h: All pans shall have a Detectable Warning (truncated domes)

5) 12" Groove Border

- a: Required adjacent to ramp and/or flare on the flat area
- b: See individual curb ramp drawing for placement of the 12" groove border

6) Flares

- a: Located adjacent to ramp
- b: Required between ramps where there is no planter area
- c: Required on the exterior of ramps where there is an adjacent concrete sidewalk, regardless of obstacles
- d: Shall also have at least a 24" long segment of straight curb located on each side of the curb ramp and within marked crossings
- e: Generally triangular in nature
- f: 10% (1:10) maximum slope when not in path of travel
- g: 8.33% (1:12) maximum slope when flare is in the path of travel

7) Gutters

- a: Adjacent to ramp or pan
- b: 5% (1:20) maximum slope for 4' out from flow line
- c: Transition to ramp or pan shall be flush and free of abrupt changes

8) Retaining Curbs

- a: Required adjacent to sidewalk transitions, landings, ramps and pans where the existing landscape (planter area) is 4" or higher at any point above the newly constructed curb ramp element
- b: Required for existing planter areas between ramps
- c: Retaining curbs are to have a 6" width and a vertical face
- d: Retaining curb foundations are to extend 8" below the adjacent ramp element surface
- e: Outside corners of retaining curbs must have a 6" radius

9) Detectable Warnings

- a: Placement of detectable warnings will be as per drawings on AR - 3.2
- b: 6" from the flow line
- c: 3' depth x 4' width minimum
- d: Detectable Warning requirements, see AR - 3.1
- e: Certification Form, see AR - 3.1C

General Notes:

1. Dual curb ramps are required unless otherwise approved by the Engineer.
2. All elements, except gutters and retaining curbs, must be constructed planar in nature with weakened plane joints scored between each element.
3. When feasible, opposing curb ramps shall align.
4. These Elements, Definitions and Standards, General Details, and Standard Drawings shall apply to all curb and gutter types.
5. There are variations and adjustments that may be required upon the approval of the Engineer.
6. There are no variances to the maximum allowable slopes and cross slopes.

DATE: 09/04/07		NOT TO SCALE		CITY OF ELK GROVE - PUBLIC WORKS		APPROVED BY:	
REVISION	BY	APPROVED	DATE			CITY ENGINEER	
				CURB RAMP ELEMENTS DEFINITIONS AND STANDARDS		DRAWING NUMBER	
						AR - 2.0	
							