Driveways & Sidewalk Requirements

Hiawatha Code of Ordinances Chapter 165

DRIVEWAY DESIGN CRITERIA

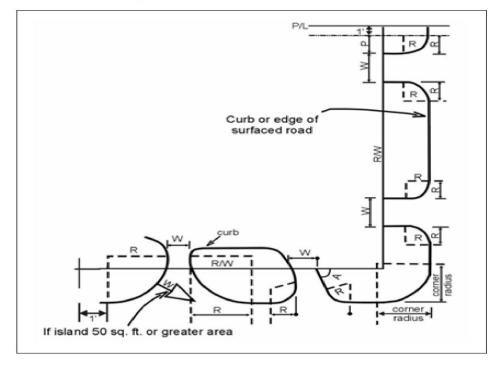
Driveway Dimensions:

Table 5L-4.01: Driveway Dimensions ¹ (all dimensions are in feet)

		Major Arterial Street				Minor Arterial Street				Collector (Major and Minor)				Local Street			
Dimension Reference (See Figure 5L-4.01)		Residential	Commercial	Industrial	Agricultural	Residential	Commercial	Industrial	Agricultural	Residential	Commercial	Industrial	Agricultural	Residential	Commercial	Industrial	Agricultural
Width Minimum Maximum	W	15 30	24 45	24 45	20 30	15 30	24 45	24 45	20 30	10 38	24 40	24 45	20 30	10 38	24 32	24 40	20 30
Right-turn Radius ² Minimum Maximum	R	10 25	10 35	25 50	25 35	10 25	10 35	25 50	25 35	10 25	10 35	25 50	25 35	10 15	10 20	10 30	20 35
Min. Acute Angle ³ Pref. Acute Angle	A	60° 90°	70° 90°	70° 90°	70° 90°	60° 90°	70° 90°	70° 90°	70° 90°	60° 90°	70° 90°	70° 90°	70° 90°	60° 90°	70° 90°	70° 90°	70° 90°
Min. Pavement Thickness (inches)	Т	6/8	7/9	*	6	6	7	*	6	6	7	*	6	6	7	*	6

¹ Major entrances require special design.

Figure 5L-4.01: Entrance Dimensions



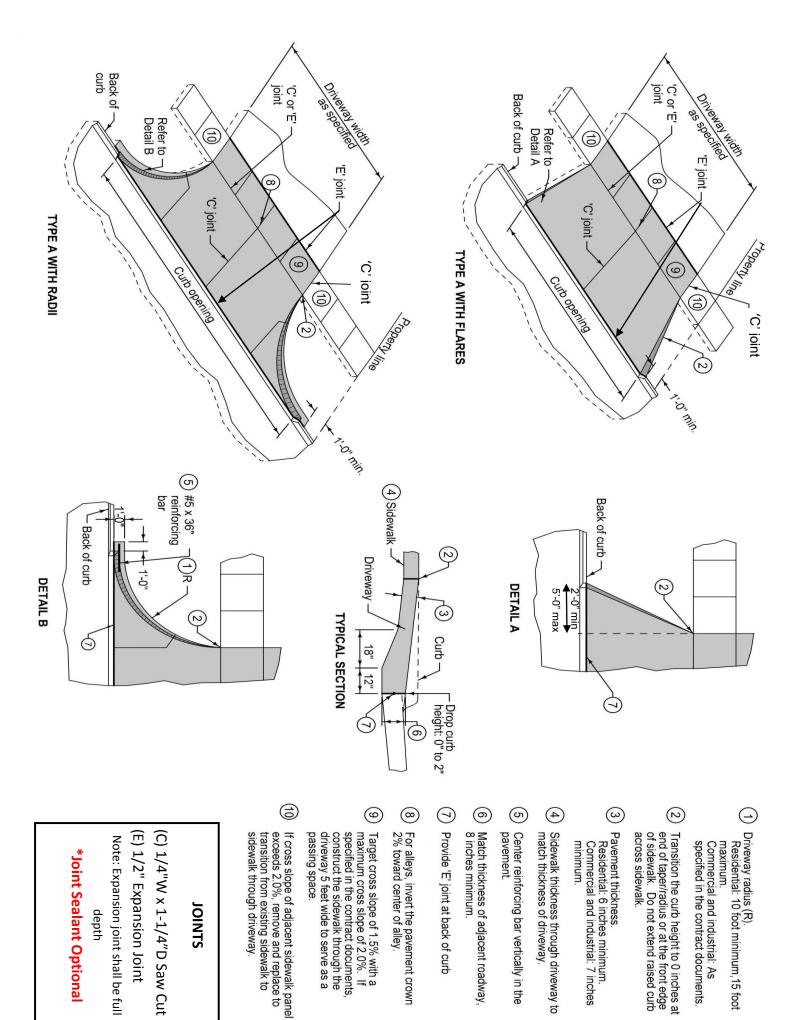
² 2 foot flares (F) may be used for residential and agricultural entrances.

³ Any variation from 90° will be evaluated on a case by case basis. The minimum acute angle (measured from the edge of the pavement) is 60°.

Maximum curb opening width shall not exceed 42 feet for residential driveway openings.

⁵ All sidewalks shall be at least five (5) feet in width unless noted otherwise.

^{*} Requires special design.



SINIO

depth

SIDEWALK DESIGN CRITERIA

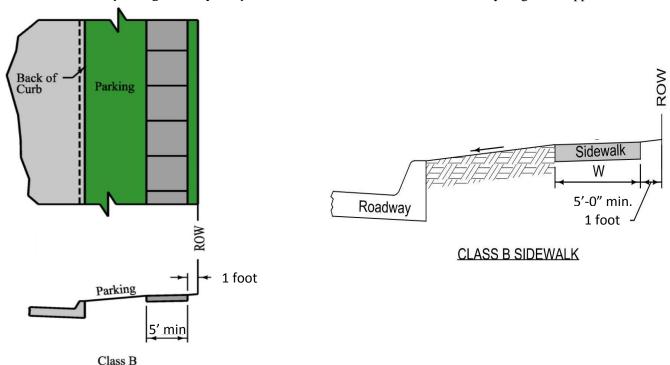
General Specifications:

The following specifications shall apply to all sidewalks in Hiawatha unless noted otherwise:

- **a. Type:** Sidewalks shall be Class B sidewalks placed one (1) foot from the edge of the right of way unless noted otherwise and approved by City Council.
- **b.** Width: sidewalks shall be at least five (5) feet in width.
- **c. Sidewalk Thickness:** Sidewalks should be constructed of PCC with a minimum thickness of 4 inches. Where sidewalks cross driveways, the minimum thickness is 6 inches, or the thickness of the driveway, whichever is greater.
- **d. Obstructions:** All obstructions are to be removed or relocated unless prior approval by the City Engineer.
- **e.** Transverse construction joints: Construct a ½ inch expansion joint every 75 feet or at nearest joint for all PCC sidewalks and shared use paths.
- **f.** Control Joints: Provide a saw cut or tooled joint spaced in increments equal to the width of the sidewalk. Saw cuts shall be 1/4" W x 1-1/4" D. Tooled joints shall be limited to 1/4" radius (Maximum).
- **g.** Target slopes: Sidewalks shall have a target cross slope of 1.5% with a maximum cross slope of 2.0% (including sidewalk through driveway.

h. Parking slopes:

- a. If parking width is less than 10 feet wide, slope at ¼ inch per foot (Maximum).
- b. If parking width is 10 feet wide and greater, slope at ½ inch per foot (Maximum).
- c. Special grade may be specified in the contract documents with City Engineers approval.



Note: Sidewalks and approaches (driveways) in the city right of way require a permit.