

Intersection Design

Standard

All roads intersecting another road shall do so at an angle of 90 degrees for a minimum distance of 75' from the right-of-way line of each roadway in all directions. In this section, "Road" shall mean public road, private road, multifamily access, and commercial access.

The minimum offset between intersecting roads shall be not less than 150 feet (measured from the near edge of pavement of existing road to centerline of new road) on residential and minor collector roads. For major collectors and arterial roads, offsets shall not be less than 250 feet (measured from the near edge of pavement of existing road to centerline of new road).

On local roads, a vertical curve equivalent to the superelevation or crown of the intersecting road shall be provided for a distance of 50 feet. For residential streets internal to a subdivision, a vertical curve equivalent to the superelevation or crown of the intersecting road shall be provided for a distance of 25 feet for a street with curb and gutter, and 35 feet for a street without curb and gutter.

The curb radius or radius on the edge of pavement on all public roads intersecting other public roads designated as collector or arterial roads shall be a minimum of 35 feet. The curb radius or radius on the edge of pavement at all intersections of two public roads designated as residential roads shall be a minimum of 25 feet. The minimum curb radius at the intersection of a public street and a private street, multifamily access, or commercial access shall be 15 feet.

The sight distance must be measured at each intersection as outlined in the Sight Distance policy document. If a sight distance line is determined to be outside the county right-of-way, a sight distance easement must be provided. Sight distance easements shall be identified and shown for all road intersections and noted on the subdivision plat, plans of development, and roadway projects. Sight distance lines and easements shall remain free of all structures, trees, and light poles. No landscape plantings which obstruct visions between a height of 30 inches and six feet above the established grade shall be permitted within the sight distance lines or easements (if needed).

The distance between median breaks shall be a minimum of 800 feet. Spacing between signalized intersections shall not be less than 1320 feet, unless approved by the Director of Public Works.

Applicability of the Standard

This standard applies to all types of development, including residential subdivisions, PODs, and CIPs.