

SECTION 12 SURVEY MONUMENTS

12-1 SURVEY MONUMENT REQUIREMENTS:

- A. The Design Engineer¹ or Licensed Land Surveyor (LS) preparing the project mapping shall place survey monuments at the following locations:
1. Along the exterior of all mapped subdivisions, at all angle points, and on tangents, at distances not to exceed 1,000 feet. The monument shall be:
 - a. $\frac{5}{8}$ inch diameter (minimum) solid steel bar at least 24 inches in length with aluminum or plastic cap and the LS number stamped thereon.
 - b. $\frac{3}{4}$ inch inside diameter (minimum) galvanized iron pipe at least 24 inches in length with an aluminum or plastic cap and the LS number stamped thereon.
 2. At all lot corners:
 - a. $\frac{1}{2}$ inch diameter solid steel bar at least 18 inches in length with aluminum or plastic cap and the LS number stamped thereon.
 - b. $\frac{1}{2}$ inch inside diameter (minimum) galvanized iron pipe at least 18 inches in length with an aluminum or plastic cap and the LS number stamped thereon.
 - c. Cut crosses in the concrete curb or sidewalk shall be used instead of iron bar or pipe bar at the front of the property. All cut crosses shall be installed in accordance with Standard Drawing 12-2.
 3. In streets and alleys, standard street monuments in accordance with Standard Drawing 12-1 shall be installed at:
 - a. The beginning and end of all curves on the street centerlines or at the point of intersection of horizontal curves if the point is within the street pavement.
 - b. The intersection of all subdivision boundary lines with the street centerline.
 - c. At section and quarter corners and/or other historical land division corners that fall within the roadway.
 - d. Street monuments shall be placed at intermediate points on street centerline if sight lines between monuments can be potentially obstructed by landscaping or improvements on private property.
 - e. Standard street monuments are not required when the distance between sets of monuments is less than 100 feet, except that street intersection monuments are always required. Any such monument eliminated shall be replaced with a suitable iron pipe or bar in the roadway.

¹ A Registered Civil Engineer registered prior to December 31, 1981 is licensed to practice land surveying..

4. Monuments of the type required at such other locations as required by the County Surveyor or County Engineer.
- B. The Design Engineer shall show the location and character of all survey monuments within the construction area and place a note on all construction plans stating that the Contractor is responsible for the protection of all existing monuments and other survey markers in accordance with Section 8771 of the Land Surveyor's Act.