

SECTION 12 SURVEY MONUMENTS

12-1 SURVEY MONUMENTS

Final Maps & Parcel Maps

- A. The consulting surveyor shall place survey monuments at the following locations:
1. At the subdivision boundary corners;
 2. At the intersections of subdivision boundaries with street centerlines;
 3. At the intersections of street centerlines;
 4. At the center of cul-de-sacs;
 5. At elbow points of cul-de-sacs;
 6. At the beginning and end of all curves on the street centerlines;
 7. At front lot corners; and
 8. All section corners, quarter corners, and center of section within the project improvement and off-site as required by the County Surveyor due to deed dependency.
- * Rear lot corners are not required to be set. If rear lot corners are proposed, see B.5 below for monument requirements.
- B. The monuments shall be as follows:
1. Survey monuments set for subdivision boundary, except those in street pavement, shall be not less than 1-1/4 inch galvanized iron pipe. The cap shall be metal and not less than 2 inches in diameter and recessed slightly below the pavement surface.
 2. Survey monuments set in street pavement of Items 2, 3 and 4 above shall be monument wells conforming to the requirements of Sections 46-1, 46-2, and 46-3 of the County of Sacramento's Standard Construction Specifications (State Standard Plan A74, Type D, Alternative No. 1).
 3. Survey monuments set in street pavement of Items 5 and 6 above shall be not less than 3/4 inch galvanized iron pipe or 5/8 inch rebar, 12 inches in length. The cap shall be metal and not less than 2 inch in diameter and recessed slightly below the pavement surface.
 4. Front lot corners shall be not less than nail and tag in hardscape (sidewalk or curb) and recessed below the concrete surface. If no hardscape, set equivalent of rear corner.
 5. Rear lot corners shall be not less than 3/4 inch galvanized iron pipe or 5/8 inch rebar, 18 inches in length. The cap shall be metal and not less than 1 inch in diameter and flush with finish grade.
 6. Survey monuments set for section corners, quarter corners, and center of section in unpaved areas shall be either:

- a) 2-1/2 inch galvanized iron pipe, 30 inches in length, set in Class "B" concrete, poured in place, with minimum dimensions of 8 inches in diameter and 30 inches deep, or
 - b) A 2 inch galvanized iron pipe, 48 inches in length shall be driven to refusal.
 - c) NOTE: A brass disc shall be set in the galvanized iron pipe which conforms to the requirements of Section 46-2 of the County of Sacramento Standard Construction Specifications and stamped with appropriate markings in accordance with the *Manual of Survey Instructions 2009*.
7. Survey monuments set for section corners, quarter corners, and center of section in paved areas, monuments shall be monument wells conforming to the requirements of Sections 46-1, 46-2, and 46-3 of the County of Sacramento's Standard Construction Specifications (State Standard Plan A74, Type D, Alternative No. 1). NOTE: A brass disc shall be set in the galvanized iron pipe which conforms to the requirements of Section 46-2 of the County of Sacramento Standard Construction Specifications and stamped with appropriate markings in accordance with the Manual of Survey Instructions 2009.

All monuments shown on and set per the Parcel Map shall occupy the positions indicated **before** the Parcel Map is filed.

In the case of Parcel Maps, if improvements (street, sidewalk or curb) are not constructed prior to the map being filed, the surveyor shall set interim monuments. Monuments shall be not less than 3/4 inch galvanized iron pipe or 5/8 inch rebar, 18 inches in length. The cap shall be metal and not less than 1 inch in diameter.

Improvement Plans

- A. Per Section 8771(b) of Business and Professions Code, the consulting engineer shall submit "pre-construction" corner records for all existing survey monuments within the limits of construction prior to improvement or grading plan approval.
- B. Per Section 8771(c) of Business and Professions Code, the consulting engineer shall submit "post-construction" corner records for all pre-construction corner records submitted per Section A above prior to acceptance of the project by the County.

NOTE: All monuments set by a licensed land surveyor to mark or reference a point on a property or land line shall be permanently and visibly marked or tagged with certificate number of the surveyor setting it. (Business and Professions Code 8772)