SECTION 12
SURVEY MONUMENTS

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12-1 SURVEY MONUMENT REQUIREMENTS

A. The Consulting Engineer shall place monuments at the following locations within subdivision improvements and all roadway improvements:

1. At the intersection of all street centerlines.
2. At the beginning and end of all curves on street centerlines.
3. At the subdivision boundary corners designated by the Director and other such locations so as to enable any lot or portion of the improvement to be retraced or located.

The monuments shall be as follows:

1. Subdivision boundary monuments, except those in street pavement shall be not less than two-inch (2") O.D. galvanized iron pipe, 30 inches in length, capped and tagged.
2. Subdivision boundary monuments in street pavement shall be not less than one-inch (1") O.D. galvanized iron pipe, 18 inches in length, capped and tagged. Top of pipe shall be driven flush with the surface pavement.
3. Centerline and street intersection monuments within four-lane and larger streets shall be 2 ½" brass disc in well castings (monument wells) per the City of Elk Grove Standard Drawing ST-40. Centerline monuments for each subdivision shall include at least two monuments wells that are intervisible and at least 500 feet apart, with other centerline monuments on two-lane streets being iron pipe as described in the preceding paragraph or six-inch boat spikes with a washer bearing the license number of the responsible surveyor/engineer.

All centerline monuments shall be referenced to permanent objects and ties shall be furnished to the Director for general public use. Final approval of the subdivision will not be made until such ties have been furnished to the Director.

B. Survey monuments shall be placed by the Consulting Engineer at all the following locations within the improvement, and off-site, due to deed dependency, as required by the City:

1. Section corners
2. Quarter corners
3. Center of sections.

A monument for a section corner, quarter corner, or center of section shall be a 2½” brass disc in well castings per the City of Elk Grove Standard Drawings.

Where such points lie outside of the ultimate City right-of-way, monuments for section corners, quarter corners, and centers of section, may alternatively be class “B” concrete, poured in place, with minimum dimensions of 8 inches by 8 inches 24 inches. Ferrous material shall be placed in the monument to make it locatable with a magnetic locator. A metal survey disc shall be installed by the Consulting Engineer before the concrete has acquired its initial set and shall be firmly embedded in the concrete.

C. The Consulting Engineer shall show the location and character of all survey monuments within the construction area and place a note on all construction plans stating the Contractor is responsible for the protection all existing monuments and other survey markers in accordance with Section 8771 of the Land Surveyor’s Act.