

SECTION 020100
SURVEY MONUMENTS

1. DESCRIPTION

This specification shall govern all work required for furnishing and installing survey monuments as required to complete the project.

2. MATERIALS

- a) Brass Monument Marker: 2¼" diameter brass disk with 3½" anchor rod to be provided by the City.
- b) Concrete: Class A, in accordance with Section 030020 "Portland Cement Concrete".
- c) Rebar: No. 5 deformed bar, 3½ feet long, in accordance with Section 032020 "Reinforcing Steel".

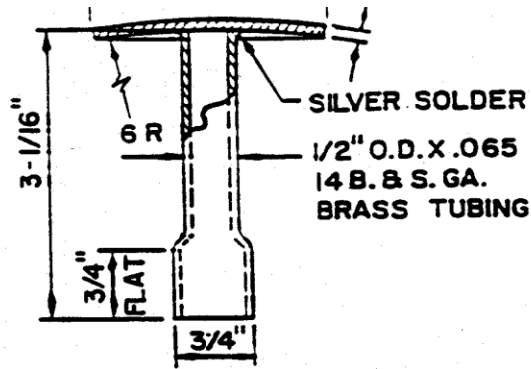
3. CONSTRUCTION METHODS

The location of survey markers shall be established in the field by the Engineer and/or his representative Surveyor. The Engineer and/or his representative Surveyor will provide four off-set stakes with intersecting string line for precise location of horizontal alignment to which the brass disk shall be positioned. The Contractor shall excavate hole and set formwork. Forms shall be placed to a tolerance which allows the precise position of the brass disk to be within one inch of the center of the concrete base. The Contractor shall place concrete in accordance with City Standard Specification Section 038000 "Concrete Structures". At the appropriate time, the Contractor shall place the brass disk (provided by the City) to its precise position in the uncured concrete. The brass disk shall be placed to within 1/4" tolerance of its intended location. Positioning of the base and brass disk will be checked by the Engineer and/or his representative Surveyor.

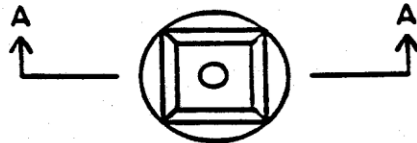
Non-compliance with specified tolerances shall result in replacement at the Contractor's expense. The properly furnished survey monument shall be neat in appearance with the exposed brass face free of cement mortar and constructed to an elevation of approximately one inch of finished grade. (See Survey Markers Detail on the following page.)

4. MEASUREMENT AND PAYMENT

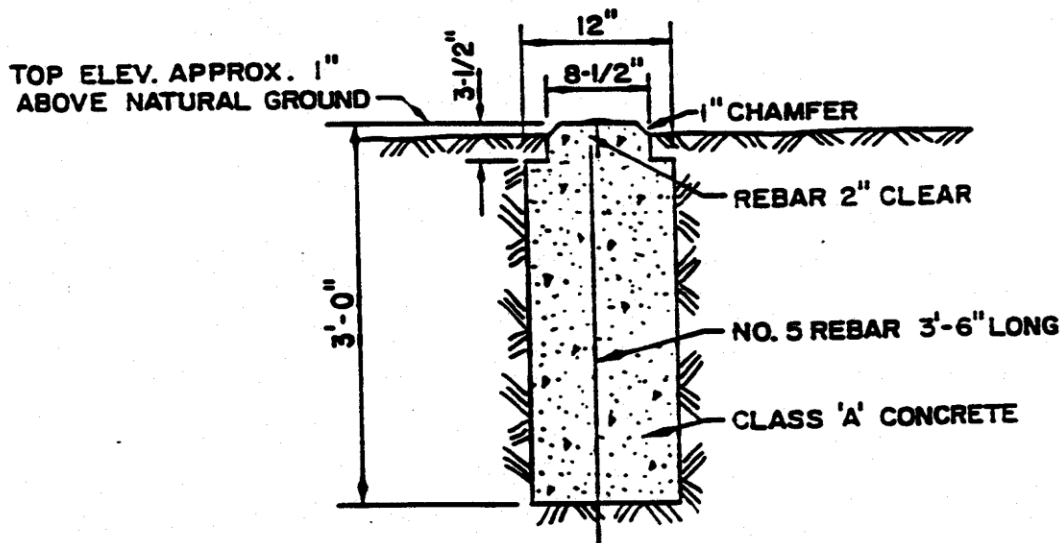
Unless otherwise specified on the Bid Form, survey monuments shall be measured as individual units for each monument placed. Payment shall be at the unit price bid, which price shall constitute full compensation for all work, materials, labor, equipment, tools and incidentals required to install the survey monuments complete in-place.



DISC DETAIL
N.T.S.



PLAN



SECTION A-A

SURVEY MARKERS DETAIL

3/4" = 1'-0"