

622.11 Transplanting Tree

Each

## SECTION 623 - MONUMENTS

623.01 Description This work shall consist of furnishing and placing, or removing and resetting right-of-way monuments and survey monuments at locations shown on the plans or otherwise designated.

623.02 Materials Monuments shall be of granite or of reinforced portland cement concrete. When of granite, the stone shall be of a quality conforming to the applicable requirements of Section 712.04. When concrete is called for, portland cement concrete for monuments shall be of Class A and shall meet the requirements of Section 502 - Structural Concrete. Reinforcement shall conform to the requirements of Section 503 - Reinforcing Steel.

623.03 General Monuments shall be placed in vertical positions in excavated holes at depths shown on the plans or designated, with two sides approximately parallel with the roadway. The backfill material shall be placed in layers not exceeding 200 mm [8 in] in depth, loose measure and firmly tamped.

When removing and resetting monuments, special care shall be taken that the stone shall not be broken or damaged. Monuments broken or damaged by the Contractor shall be replaced with monuments of similar type without added compensation.

When a monument is to be set and it is found that rock exists below ground, it will be permissible to cut off the monument at an authorized length to allow setting on the rock. A concrete collar with dowels shall be placed around the monument to secure it to the rock, as shown on the plans. If the rock is rough enough to provide firm attachment for the concrete, collar dowels will not be necessary. The concrete shall meet the requirements of Section 502 - Structural Concrete. The class of concrete shall be optional.

When a monument is to be set in the surface of exposed rock it may consist of a bronze pin marker embedded in the ledge as shown on the Standard Detail Sheets.

623.04 Method of Measurement Monuments and markers, both new and reset, will

be measured by each unit. Excavation in solid rock will be measured by the cubic meter [cubic yard] determined from the actual depth of the hole and a hypothetical circle diameter of 600 mm [2 ft].

623.05 Basis of Payment The accepted quantities of monuments and markers will be paid for at the contract unit price each complete in place. Payment for placement of monuments in solid rock shall be considered included in the contract unit bid price except that actual excavation into solid rock will be paid for under Pay Item 206.07 - Structural Rock Excavation, Drainage and Minor Structures.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
623.06 Right-of-Way Monument	Each
623.07 Survey Monument	Each
623.08 Bronze Pin Marker	Each
623.09 Remove and Reset Monument	Each

## SECTION 624 - VACANT

## SECTION 625 - WATER SERVICE SUPPLY LINES

625.01 Description This work shall consist of installing water pipe and pipe sleeve in reasonably close conformity with the lines and grades shown on the plans or established. The installation shall include the assembly of all components and materials shown on the plans or as directed.

625.02 Materials Materials shall meet the requirements specified in the following Sections of Division 700 - Materials:

Copper Tubing	712.32
Non-metallic Pipe, Flexible	712.33
Non-metallic Pipe, Rigid	712.34
Metallic Pipe	712.341