

SECTION 041080
BRICK PAVERS

1. Scope:

The work under this section consists of furnishings of materials, labor, transportation, tools and service required for the execution of all brick paving on a concrete setting bed and installing other brick units as shown on the drawings and as specified herein.

2. Related Work Included Under Other Sections:

Pedestrian concrete setting base - 4" concrete sidewalk conforming to City Standard Specification Section 025612 – Concrete Sidewalks and Driveways and Section 038000 Concrete Structures.

Vehicular concrete setting base – concrete pavement conforming to City Standard Specification Section 025620 Portland Cement Concrete Pavement and Section 038000 Concrete Structures

3. Materials:

1. Pedestrian Brick Pavers (Clay)- Nominal 4x8x1 as manufactured by Endicott Clay Products Company, Medium/Iron Spec, or approved equal, to match existing pavers at existing walks and plaza at site. Units shall be submitted to the Engineer for approval.
2. Pedestrian Brick Pavers (Concrete) – Nominal 4"x8"x1 3/4" Holland 4.5 cm paver from Pavestone, or approved equal, to match existing pedestrian pavers on Chaparral St.
3. Vehicular Grade Pavers (Concrete) – Nominal 4" x 8" x 3 1/8" Holland 8 cm paver from Pavestone, or approved equal, to match existing vehicular pavers on Chaparral St. and/or Shoreline Blvd.
4. Joint Filler - for expansion joints shall be as specified on the drawings.
5. Caulking - for expansion joints shall be as specified on the drawings.
6. Concrete Setting Bed for pedestrian pavers- shall be conventional mortar leveling bed with Laticrete 3701 admixture installed over concrete walks or as shown on drawings.
7. Adhesive Material for pedestrian pavers - Paving brick shall be set with Laticrete 4237 thin set mortar suitable for exterior use or as shown on drawings. See drawings for location of pavers.
8. Concrete bed for vehicular pavers to be as shown on drawings.

9. Jointing material for vehicular pavers to be as shown on drawings.

4. Sample:

Construct a sample area of each type of brick pavement not less than 200 square feet in size. Sample will be constructed as part of the project and if approved, will be accepted as part of the final paving. However, should the sample fail to meet the Engineer's approval, it shall be removed and reconstructed until approved.

5. Installation of Paving Brick:

1. Brick shall be installed in accordance with the scale and dimensions on the drawings. Brick shall be laid in running bond with tight joints.
2. Setting beds shall be smoothed and leveled. Pavers will then be laid in a trowled adhesive bed.
3. No chipped or cracked brick units shall be incorporated into the work. Where brick units must be cut, they shall be saw cut to provide sharp, clean edges. Angled cuts and gaps at the edges of the pavement will not be acceptable.
4. Cleaning of the brick paving surface shall be done within 24 hours after removal of surface mortar by scrubbing the surface with one or more muriatic acid solutions using a long handled brush with stiff fiber bristles, continuing until the brick paving is clean, free of mortar and showing its true color. After the surface has been cleaned thoroughly with the acid solution, it shall be flushed with clear water to prevent further action of the acid. Muriatic acid solution shall be one part acid, fifteen (15) parts water.
5. Expansion joint filler shall be installed where indicated and where brick paving abuts walls, concrete paving, or other restraining items. Expansion joint material shall never be carried through the brick paving.

6. Measurement & Payment

Unless otherwise specified on the drawings, work and accepted material as prescribed for this specification will be measured by the square foot of surface of completed brick paver sidewalk or roadway as indicated in the drawings.

The work performed and materials furnished as prescribed by this specification and measured as provided under "Measurement" will be paid for at the unit bid for "Brick Pavers" which prices shall

each be full compensation for preparing the subgrade; for furnishing and placing all materials, including all reinforced steel and expansion joint materials; and all manipulation, labor, tools, equipment and incidentals necessary to complete the work.