

## SECTION 32 14 50

## CISTERN RING BRICK PAVING

## PART 1 - GENERAL

## 1.1 WORK INCLUDES

- A. Constructing a brick and concrete cistern identification ring in the roadway pavement over an existing or new City and County of San Francisco's (CCSF) Auxiliary Water Supply System (AWSS) below grade cistern at the location(s) shown on the drawing(s), including all related and incidental work.

## 1.2 RELATED SECTIONS

- A. Section 32 13 13 - Concrete Paving

## 1.3 REFERENCES

- A. American Society for Testing and Materials (ASTM)
  - 1. C1272, Standard Specification for Heavy Vehicular Paving Brick
- B. Standard Specifications and Plans, City and County of San Francisco Department of Public Works, Bureau of Engineering (SSDPWSF), current revision.

## 1.4 SUBMITTALS

## A. SHOP DRAWINGS

- 1. Submit to the Engineer for review and approval a detailed shop drawing showing the intersection where the brick cistern ring shall be installed, including showing all building property lines; traffic and parking lanes; medians; sidewalk curbs; existing cistern cover manhole frame(s) and cover(s); and any other street grade frames, covers, vaults; along with the proposed layout of the bricks and concrete footing.

## B. PAVING BRICKS

- 1. Manufacturer's literature describing product specification and application.
- 2. Two (2) full-size samples of paver type, thickness, color and finish.
- 3. Material Test Report certifying compliance with ASTM C1272.

## 1.5 QUALITY ASSURANCE

- A. The installed brick cistern ring shall be inspected and approved by the Superintendent of Water Supply for the City and County of San Francisco's (CCSF) Auxiliary Water Supply System (AWSS) prior to its acceptance by the City.

## 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations, and industry standards.

- B. Store materials in manufacturer's original sealed, labeled packaging until ready for installation and in accordance with manufacturer's instructions. Protect from damage.

## 1.7 GUARANTEE

- A. Guarantee materials, equipment and workmanship furnished to be free of defects and agree to replace at no additional expense to the City, upon demand within two (2) years after installation is accepted, defective components or installations that may be found to be defective.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Concrete footing: Concrete footing material shall be equivalent to roadway concrete base or pavement. The Contractor shall submit concrete mix design(s) for all intended applications in accordance with project specifications Section 32 13 13
- B. Paving Bricks
  - 1. Bricks shall conform to requirements of ASTM C1272 Type R.
  - 2. Bricks shall be 4" x 8" x 2 5/8", red color having chamfered or relieved edges.

### 2.2 MANUFACTURERS

- A. Paving Bricks:
  - 1. Pacific Clay Products, Bear Path Paver, Sunset Red, 4" x 8" x 2 5/8".
  - 2. Endicott Clay Pavers, Red Blend, 4" x 8" x 2 5/8".
  - 3. Belden City Line Brick Pavers, Regimental Red, 4" x 8" x 2 3/4".
  - 4. or Approved Equal

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Cistern Identification Ring shall be installed as shown on SFDPW Standard Plan HPL-5132.8 Ch. 1 (File Number 87,179) AWSS Cistern Identification Pavement Ring.
- B. Concrete shall be installed in accordance with the requirements of Section 32 13 13.

END OF SECTION