

ITEM 804 IRON CASTINGS

- 804.01 Description**
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- 804.03 Workmanship**
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804.01 Description. The Contractor shall furnish and place manhole frames and covers, frames around openings, wall pipes, valve boxes and other iron castings necessary to complete the work as shown or ordered.

The City will pay for iron castings not paid for under 805 or 807 by weight under this item.

804.02 Quality. Provide castings that conform to the "Standard Specifications for Gray Iron Castings, ASTM A48, except as modified herein. Provide smooth castings clean and free from blow holes, shrinkage cracks, cold shuts, scales, lumps, blisters and other defects. The City will not accept plugged or filled defective castings. Thoroughly clean and shop coat all castings with approved asphalt paint before leaving the shop and before rusting begins .

804.03 Workmanship. Provide castings accurately made to the dimensions shown. Where marked or otherwise necessary to secure flat and true surfaces, plane castings making allowances in the patterns so that the finished casting have the specified thickness. Ground true and seat at all points the meeting surfaces of manhole frames and covers.

804.04 Installation. Install castings to accurate grade and alignment and carefully support to prevent movement while placing concrete or backfill around them. After placing the castings in a satisfactory manner, remove all foreign adhering substances and repaint the castings as necessary.

804.05 Method of Measurement. The City will pay for the iron castings by the actual weight, weighed after shop painting of the iron castings installed in the work.

The City will not accept castings that weigh less than the casting standard weight by more than 5 percent, and will make no allowance for payment for an excess of more than 2 percent over the total standard weight of the casting. Where the City determines the weights of castings by computation, the City will use the dimensions shown. The City assumes that one cubic inch of metal weighs 0.260 pounds.

804.06 Basis of Payment. The price bid per pound for iron castings includes the furnishing, placing and coating, complete as specified.

The City will make payment at the contract price for:

Item	Unit	Description
804	Pound	Iron Castings