

Amend **Section 604 - Manholes, Inlets and Catch Basins** to read as follows:

"SECTION 604 - MANHOLES AND VALVE BOXES

604.01 Description. This work includes adjusting sewer manhole and standard water valve box frames and covers according to the contract.

604.02 Materials. Concrete for structures shall be of the class specified. Concrete shall conform to Section 601 - Structural Concrete. If concrete in structures is to come in direct contact with sewage or sewage gases, the Contractor shall modify the proportioning of concrete according to Section 625 - Sewer System.

Other materials shall conform to the following:

Asphalt Filler	702.07
Asphalt (Filler) Type C Asphalt	705.06(C)
Mortar for Manholes	705.08
Reinforcing Steel	709.01
Precast Concrete Units	712.06
Frames, Grates, Covers and Ladder Rungs	712.07
Pipe Collar for Valve Box	712.22

When the location of manufacturing plants allows, the Engineer may inspect the plants periodically for compliance with specified manufacturing methods. The Engineer may get material samples to verify compliance with the contract. This may be the basis for acceptance of manufacturing lots regarding quality.

The condition of materials will be subject to inspection for acceptance before or during incorporation of materials into the work.

604.03 Construction Requirements.

(A) General. Concrete construction shall conform to Section 503 - Concrete Structures.

Reinforcing steel work shall conform to Section 602 - Reinforcing Steel.

A certified welder shall do the shop and field welding according to Section 501 - Steel Structures.

(B) Reconstructing Sewer Manholes. Reconstruct the existing sewer manholes to the required elevations according to the contract and as ordered by the Engineer. Adjust the manhole frame to the required grade using the same type of material used in its original construction. Carefully remove, clean, and paint the existing frame and cover with accepted asphaltum paint before reinstallation.

(C) Adjusting Water Valve Boxes. Adjust the valve boxes to the required elevations according to the contract and as ordered by the Engineer.

Set and center the 8-inch pipe collar plumb over the valve stem. Ends of the pipe collar shall have smooth, machined edges. Backfill around the gate valve and pipe collar with trench backfill by hand. Backfill 8 inches below the surface of the ground.

Upon completion of installation, clean and paint the valve box frames and covers with one coat of accepted asphaltum paint.

Adjust the existing valve boxes to the required grade using the same type of material used in its original construction. Carefully remove, clean, and paint the existing cast iron frame and cover with accepted asphaltum paint. Cut the existing pipe collar or install a new pipe collar. Reinstall the frame and cover and pour the four inch thick concrete.

604.04 Method of Measurement. The Engineer will measure the adjusting of frame and cover for sewer manhole per each complete in place.

The Engineer will measure the adjusting of valve box frame and cover per each complete in place.

For reconstructed structures, the depth measurement shall be the vertical measurement from the beginning of reconstruction shown in the contract to the top of the deck slab, grating, or manhole cover.

604.05 Basis of Payment. The Engineer will pay for the accepted adjusting of frame and cover for sewer manhole, and adjusting of water valve box frame and cover at the contract unit price per each complete in place.

The price includes full compensation for furnishing and installing frames and covers, and rungs; adjusting or demolishing; excavating and backfilling; placing concrete; furnishing and installing reinforcing steel, precast concrete, precast reinforced concrete walls, including the cone or tapered sections and

cast-in-place walls vertically ; furnishing materials, equipment, tools, labor and other incidentals necessary to complete the work.

The Engineer will make payment under:

Pay Item	Pay Unit
Adjusting Frame and Cover for Sewer Manhole	Each
Adjusting Water Valve Box Frame and Cover	Each"

END OF SECTION