

ITEM NO. 826
Valve Box Adjustments

826.1 DESCRIPTION: This Item shall consist with the adjusting of existing valve boxes in accordance with these specifications and as directed by the Engineer.

826.2 REFERENCED STANDARDS: Reference standards cited in this Specification Item No. 826 refer to the current reference standard published at the time of the latest revision date logged at the end of this Specification Item No. 826, unless a date is specifically cited.

1. San Antonio Water System (SAWS):
 - a. Specifications for Water and Sanitary Sewer Construction
 - b. SAWS Materials Specifications
2. City of San Antonio (COSA) Specifications
3. American Society for Testing and Materials (ASTM) International:
 - a. ASTM A 48 - Standard Specification for Gray Iron Castings.
 - b. ASTM D 256 - Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics.
 - c. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
 - d. ASTM D 648 - Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position.
 - e. ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 - f. ASTM D 2240 - Standard Test Method for Rubber Property-Durometer Hardness.
4. American Association of State Highway and Transportation Officials (AASHTO):
 - a. M306 Standard Specification for Drainage. Sewer Utility and Related Changes

826.3 SUBMITTALS: Contractor shall submit manufacturer's product data, instructions, recommendations, shop drawings and certifications. All submittals shall be in accordance with Owner's requirements and submittals shall be approved prior to delivery.

826.4 MATERIALS: The materials for valve boxes shall conform to the specifications contained within the latest revision of SAWS Material Specification Item No. 10- 20, "Valve Boxes."

826.5 CONSTRUCTION:

1. The valve box shall be placed in such a manner to prevent shock or stress from being transmitted to the valve. It shall be centered and plumb over the operating nut of the valve with the box cover flush with the surface of the finished
2. pavement or at such other level as may be directed by the Inspector. Valve boxes located in streets or other area subject to vehicular traffic shall be provided with concrete collars as shown in the DD-828 Standard Drawing Series.

Collars around such valve boxes shall be formed and finished off neatly and in a workmanlike manner.

3. Valve box shall be located so that the valve operating nut is readily accessible for operation through the opening in the valve box. The valve box shall be set flush with the surface of the finished pavement or at such other elevations as may be specified.
4. Existing valve boxes shall be defined as boxes which are located within the right-of-way of the specified area of construction operations and are in conflict. These boxes shall be adjusted to match proposed finished grades.
5. Valve boxes installed as part of a new valve and mainline construction project are considered "new valves."

826.6 MEASUREMENT: Adjustment of valve boxes will be measured by the unit of valve boxes adjusted to the finished grade.

826.7 PAYMENT:

1. Payment for "Valve Box Adjustment" shall be made at the contract unit price.
2. Adjustments to "new valves" are incidental to the installation of the valve and are paid for as part of Item Nos. 828, 830 or 832 of these specifications. Separate pay shall not be given to adjust "new valves" to finished grade.

- End of Specification -