

TECHNICAL SPECIFICATIONS
FOR
ADJUSTING VALVE BOXES

1. Description

This item shall consist of adjusting water and gas valve boxes including furnishing all labor, materials, and other items necessary to bring the valves to the grades as shown on the Plans or as specified by the Engineer.

Milling or grinding around valve boxes shall be accomplished with care to prevent damage to utility property. Unless otherwise approved by the Engineer, milling or grinding operations shall be carried to within one (1) foot of all valve boxes. The Paving Contractor will be responsible for hand chipping the remaining one foot on all valve boxes.

2. Materials

Valve box risers shall be Class 35-B gray iron, meeting the requirements of ASTM A48-83. The risers shall be as manufactured by Atchinson Foundry, Chattanooga, Tennessee, or approved equal. Standard riser sizes shall be 1", 1 ½ ", or 2". A maximum of one new riser may be used per valve box.

3. Construction Requirements

(a) All valve boxes shall be reset as follows:

1) Valve boxes that are more than ¼ inch over or under the specified grade.

(b) The valve boxes shall be accurately set to line and grade by one of the following methods:

1) Use of a valve box riser fitted to the valve box.

(c) Excavation shall be performed whenever necessary to bring the valve box to grade on the Plans and as designated by the Engineer. Backfill material and compaction shall conform to the Specifications for Mineral Aggregate Base.

4. Equipment

The Contractor shall provide the necessary tools and equipment to complete all work as described above.

5. Measurement

The number of valve boxes adjusted and accepted will be measured for payment per each.

6. Payment

Payment will be made under the following bid items as set forth in the Bid Schedule and shall be full compensation for all work, materials, labor, and incidentals required to complete the work in accordance with the Plans and Specifications.

Adjusting Valve Box (Full Mill Depth)	Ea.
Adjusting Valve Box (Valve Box Riser Only)	Ea.

On milled streets, valve boxes will be lowered in order that leveling can be accomplished. After leveling is complete, the valve boxes will be raised to the correct surface grade. This will be one adjustment and paid for under Adjusting Valve Box (Full Mill Depth).