

Special Specification 5106

Adjust Fire Hydrant



1. DESCRIPTION

Adjust fire hydrants to grade in accordance with the City of Houston 02520-01 Fire Hydrant Detail.

2. MATERIALS

Furnish materials in accordance with AWWA Standard Specification C-502 unless stated otherwise in the City of Houston 02520-01 Fire Hydrant Detail.

3. CONSTRUCTION

Perform adjustment to grade in two manners; new stem fabrication or stem extension.

- 3.1. **New Stem Fabrication.** For fire hydrant adjustments where the proposed base is lower than the existing base, fabricate a new stem in accordance with the City of Houston 02520-01 Fire Hydrant Detail; should the existing assembly not conform to the above mentioned standard, then the Contractor will provide plans to be approved by the Engineer.
- 3.2. **Stem Extension.** For Fire hydrant adjustments where the proposed base is higher than the existing base, a stem extension may be fabricated and installed at the below grade elbow which connects the service line to the stem. Fabricate the stem extension in accordance with the City of Houston 02520-01 Fire Hydrant Detail; should the existing assembly not conform to the above mentioned standard, then the Contractor will provide plans to be approved by the Engineer.

4. MEASUREMENT

This item will be measured by each adjustment of fire hydrant to grade.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as specified under "Measurement" will be paid for at the unit price bid for "Adjust Fire Hydrants." This price is full compensation for the cost of excavation, embankment, backfill, concrete, stem fabrication, stem extension fabrication, bolts, and any other materials, labor, tools, equipment, and incidentals necessary for the complete installation in accordance with the construction plans.