

**SECTION 02445  
CUT, PLUG AND ABANDONMENT OF WATERLINES**

**PART I: GENERAL**

**1.1 GENERAL REQUIREMENTS**

- A. Cut, plug and abandonment of water lines.

**1.2 MEASUREMENT AND PAYMENT**

A. Unit Prices:

1. Payment for cut, plug and abandonment of water lines is on a unit price basis for each cut, plug and abandonment performed. Separate payment shall be made for each size of water line.
2. Refer to Section 01270 – Measurement and Payment for unit price procedures.

B. Stipulated Price (Lump Sum):

1. If Contract is Stipulated Price Contract, payment for work in this Section is included in Total Stipulated Price.

**1.3 SUBMITTALS**

- A. Conform to requirements of Section 01330 – Submittal Procedures.  
B. Submit product data for proposed plugs and clamps for approval.

**1.4 REFERENCES**

- A. CFTS – City of Friendswood Technical Specifications.

**PART II: PRODUCTS**

**2.1 MATERIALS**

- A. Concrete for reaction blocks: Class C conforming to requirements of Section 03300 – Structural Concrete.  
B. Plugs and clamps: Applicable for type of pipe to be plugged.

**PART III: EXECUTION**

**3.1 APPLICATION**

- A. Do not begin cut, plug and abandonment operations until replacement water line has been constructed, disinfected, tested and service lines have been transferred to replacement water line.  
B. Install plug, clamp and concrete reaction block and make cut at location shown on the Drawings.  
C. Main to be abandoned shall not be valved off and shall not be cut or plugged other than at its supply water line or as shown on the Drawings.  
D. After water line to be abandoned has been cut and plugged, check for other sources feeding abandoned water line. When sources are found,

notify the Project Manager immediately. Cut and plug abandoned water line at point of other feed as directed by the Project Manager.

- E. Plug or cap ends or openings in abandoned water line in manner approved by the Project Manager.
- F. Remove and dispose of surface identifications such as valve boxes and fire hydrants. Valve boxes in improved streets, other than shell, may be filled with concrete after removing cap.
- G. Backfill excavations in accordance with Section 02125 – Excavation and Backfill for Utilities.
- H. Repair street surfaces in accordance with Section 02845 – Pavement Repair and Resurfacing.

**END OF SECTION**