

**ITEM 01603.1898 M - PROTRUDING SERVICE CONNECTION REMOVAL**

**DESCRIPTION:**

This work shall consist of removing protruding service connections that can not be removed with conventional cleaning equipment prior to the installation of a polyester formed-in-place pipe liner.

**MATERIALS:**

None specified.

**CONSTRUCTION DETAILS:**

Any protruding service connection that will prevent the proper installation of the polyester formed-in-place pipe liner shall be removed. In the case of small diameter pipes, protruding service connections may require removal from the interior of the pipe line by use of a robot type cutting device and closed circuit television camera. Following the removal of all protruding service connections, the pipe is to be cleaned by the use of conventional cleaning equipment to the satisfaction of the engineer. A closed circuit television inspection shall be conducted in the presence of the engineer, or designee, prior to installing the pipe liner.

**METHOD OF MEASUREMENT:**

Payment for this work shall be made on an each basis.

**BASIS OF PAYMENT:**

The unit price bid per each shall include the cost of furnishing all labor, materials, and equipment necessary to remove any protruding service connection, conventional cleaning, and closed circuit television inspection required to complete the work for the proper installation of the pipe liner, to the satisfaction of the engineer

Payment will be made under:

<b><u>ITEM NO.</u></b>	<b><u>ITEM DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
01603.1898M	Protruding Service Connection Removal	EA