

**ITEM # 1302931A WATER MAIN INSULATION (COVER)**  
**ITEM # 1302932A WATER MAIN INSULATION (UTILITY CONFLICT)**

**Description**

The work under this item includes the installation of rigid foam insulation to protect water pipes due to the following conditions: on the existing water pipes where the finished ground level has been lowered and the resultant cover is less than 42 inches; and where existing water pipes installed four feet or greater below finished ground level pass above or below a structure that may be a cold air source such as a culvert. The general locations of the work are indicated on the contract drawings.

**Materials**

The insulation shall be Pittsburgh Corning Foamglas or approved equal meeting ASTM c-552 with a compressive strength of 90 psi. Vapor Barrier, where required, shall be Pittcote 300 or approved equal. All other materials furnished and used in this work shall conform to the requirements of Form 816.

**Construction Methods**

- A. Cover - For existing water pipes where the finished ground level has been lowered and the resultant cover is less than 42 inches, trenches shall be dug to the required depth on both sides of the water main at the required spacing. Material shall be placed in accordance with Contract Detail and manufacturers recommendations. Contractor shall maintain a minimum 3 inch clearance from the insulation to the water main on all sides. No excavation under the water main is permitted.
- B. Utility Conflict - For existing water pipes installed four feet or greater below finished ground level that pass with 18" above or below a newly installed structure that may be a cold air source such as a culvert, the insulation shall be placed on level bedding at least 3" above the water pipe.

**Method of Measurement**

Cover insulation will be measured in linear feet along centerline of trench. Linear foot measurements encompasses side and top pieces of insulation.

Utility conflict insulation will be measured by square yards.

79-210

ITEM # 1302931A  
ITEM # 1302932A

**Basis of Payment**

This work will be paid at the contract unit price per linear foot for "Water Main Insulation-Cover" and "Water Main Insulation – Utility Conflict" which price shall include all materials, equipment, tools and labor incidental thereto. Excavation and disposal shall conform to the Specifications and is incidental to this item.

<u>Pay Item</u>	<u>Pay Unit</u>
Water Main Insulation - Cover	L.F.
Water Main Insulation – Utility Conflict	S.Y.