

## **ITEM 08209.1701 INLET PROTECTION, STONE AND BLOCK**

### **DESCRIPTION:**

This work will consist of installing stone and block inlet protection as indicated in the contract documents or as directed by the Engineer. Work shall be performed prior to any construction activities that will cause sediment laden surface run-off. Once construction areas have been stabilized then inlet protection shall be removed as approved by the Engineer.

### **MATERIALS:**

203mm X 203 mm X 406 mm Hollow Core Concrete Block  
#2 Crushed Stone, Material Designation §703-0201  
12 mm Wire Screen or Hardware Cloth

### **CONSTRUCTION DETAILS:**

- Lay one block on each side of the structure on its side for dewatering. Foundation shall be 75 mm minimum below the inlet and blocks shall be placed against inlet for support.
- Hardware cloth or 12 mm wire screen shall be placed over block openings to support stone.
- Use washed #2 crushed stone placed 50 mm below the top of the block on a 2:1 slope or flatter.
- Maintenance shall include repair or re-building of inlet protection to ensure that it functions as originally intended. Maintenance shall be performed as needed. Sediment shall be removed when sediment reaches one half (1/2) the height of the stone blocks.
- Sediment shall be disposed of as unsuitable material in accordance with §203-3.08
- Stone and block inlet protection shall be removed as soon as the contributing drainage area of the inlet has been permanently stabilized.

### **METHOD OF MEASUREMENT:**

This work will be measured for payment for each stone and block inlet protection measure installed in accordance with the contract documents.

### **BASIS OF PAYMENT:**

The unit price bid shall include the cost of furnishing all material, labor and equipment required to satisfactorily complete the work. The unit price bid shall include the cost of accumulated sediment removal.

Stone and Block inlet protection will be eligible for progress payments in accordance with the following:

- 50% upon satisfactory completion of installation.
- The remaining 50% upon satisfactory removal of stone and block inlet protection measures.

October 10, 2003