

**ITEM 18605.2501 M - PRECAST CONCRETE HEADWALLS FOR 100 mm LATERAL OUTLET PIPES**

**DESCRIPTION.**

Furnish and install precast concrete headwalls at lateral outlet pipes where shown in the contract documents.

**PRECAST HEADWALL.**

Notify the Materials Bureau of the name and location of the precast headwall fabricator at least 30 days before the start of production. Supply precast headwalls meeting the requirements of §704-03, except as noted herein.

**Materials** - The requirements for concrete inspection facilities, automated batching controls and recordation do not apply. Use concrete batching and mixing methods and inspection facilities approved by the Materials Bureau.

**Fabrication** - Use the dimensions shown on page 2 of this specification. Proposed changes to these dimensions, other than minor changes approved by the Engineer, require submission of three complete sets of working drawings to the Engineer for review and approval.

**Basis Of Acceptance** - When headwalls are fabricated by a manufacturer whose name appears on the Department's Approved List, under Precast Concrete Drainage Units, acceptance will be based on a manufacturer's certification that the units shipped conform to specification requirements. Mark the following information on certified units with permanent waterproof paint:

- a) Name or trademark of manufacturer
- b) Date of manufacture
- c) Unit identification number

**RODENT SCREEN.**

Use screens of 2 or 3 mesh, 16 gauge or heavier, made of Type 304 stainless steel wire or carbon steel wire, hot dipped galvanized in accordance with §719-01.

**CONSTRUCTION DETAILS.**

**Installation** - Equip each headwall with a rodent screen of the dimensions shown on page 2 of this specification. Install headwalls flush with the finished slope and orient to allow the headwall apron to drain. Extend outlet pipes into the headwall fitting until flush with the installed rodent screen. Fill the opening between the pipe and the headwall with mortar meeting the requirements of §705-21, Mortar For Concrete Masonry.

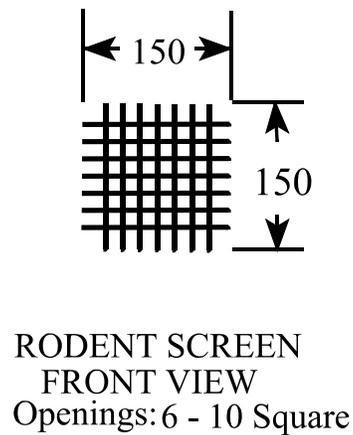
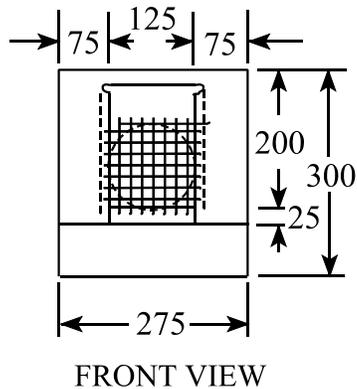
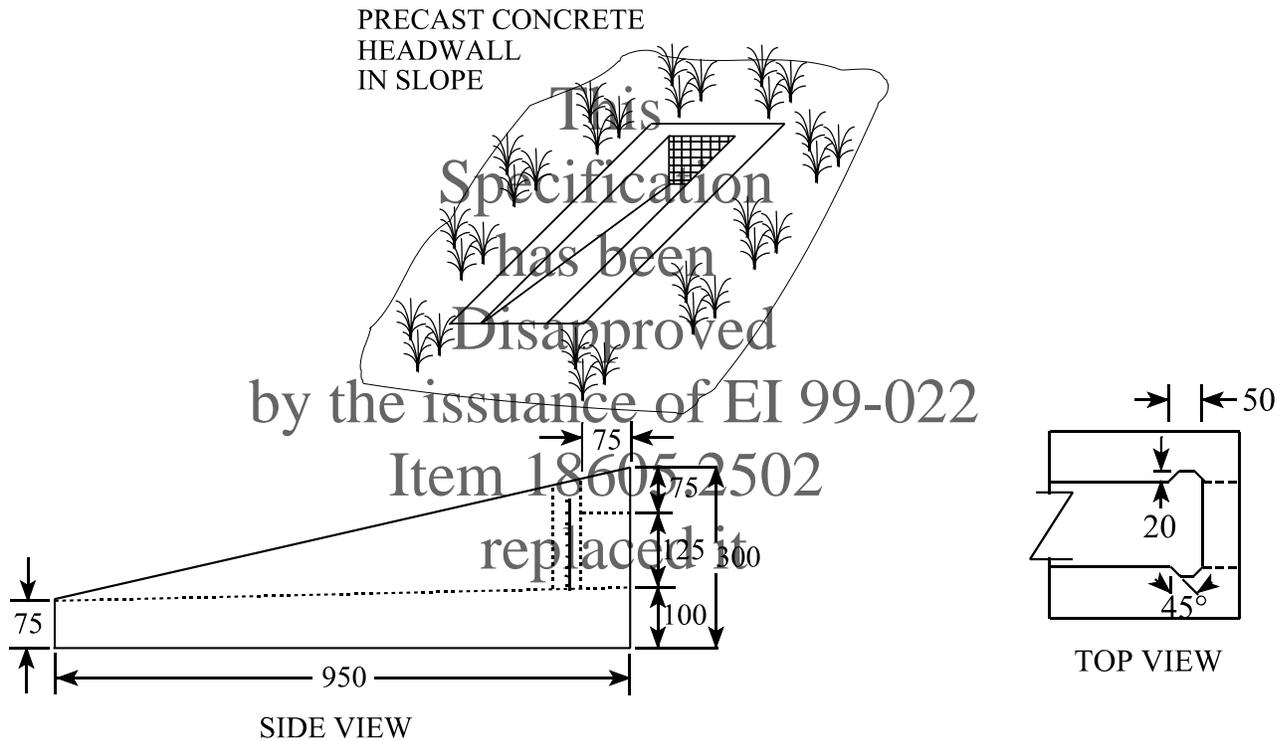
**METHOD OF MEASUREMENT.**

Headwalls will be measured by the number of units supplied and installed in accordance with the contract documents.

**BASIS OF PAYMENT.**

Include the cost of all labor, materials and equipment required to fabricate and install the headwalls in the unit price bid per headwall.

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PRECAST CONCRETE HEADWALL WITH REMOVABLE RODENT SCREEN  
All Dimensions Are In Millimeters (Not To Scale)