

**SECTION 6.52  
CULVERT ENDS**

**6.52.01--Description:** This item shall consist of furnishing and installing reinforced concrete culvert ends conforming to the details shown on the plans or to commercial details providing equal lengths and a similar shape, and having generally comparable hydraulic characteristics. These reinforced concrete culvert ends shall be placed where and as shown on the plans, or as directed by the Engineer.

This item shall also include furnishing and installing new metal culvert ends at the locations shown on the plans or as directed by the Engineer. These culvert ends shall be of the size, gage and general shape shown on the plans.

**6.52.02--Materials:** The materials for this work shall conform to Subarticle M.08.01-22 for Reinforced Concrete Culvert End, Subarticle M.08.01-23 for Metal Culvert End, Article M.11.04 for Mortar and Article M.02.01 for Gravel Fill.

**6.52.03--Construction Methods :** Reinforced concrete culvert ends shall be placed on a prepared bed of the existing ground, or if so directed by the Engineer, on gravel fill and accurately aligned as shown on the plans. The joints shall be sealed as specified in Article 6.51.03.

Metal culvert ends shall be placed on a prepared bed of the existing ground, or if so directed by the Engineer, on gravel fill. After the attachment of the culvert end to the culvert, backfill shall be placed around both sides of the unit up to the prescribed surface, exercising caution to avoid displacement or deformation of the unit.

**6.52.04--Method of Measurement:** Construction of the culvert ends will be measured as units.

**Trench excavation** necessary to place the culvert end will be measured for payment in accordance with Article 2.05.04.

**Gravel Fill** will be measured for payment in accordance with Article 2.13.04.

If the metal culvert end is shop-riveted to a length of pipe or pipe-arch, this length shall be measured for payment in accordance with Subarticle 6.51.04-1.

**6.52.05--Basis of Payment:** Reinforced Concrete Culvert Ends and Metal Culvert Ends will be paid for at the contract unit price each for the culvert end of the type and size specified, complete in place, including all materials, equipment, tools and labor incidental thereto.

Necessary trench excavation will be paid for in accordance with Article 2.05.05 at the contract unit price per cubic meter for "Trench Excavation" of the applying depth.

**Gravel Fill** will be paid for in accordance with Article 2.13.05.

The shop-riveted length of pipe or pipe-arch will be paid for in accordance with Subarticle 6.51.05-1.

Pay Item	Pay Unit
(Size-Type) Reinforced Concrete Culvert Ends	EA.
(Size-Type) Metal Culvert Ends	EA.