

Section 2422. Unclassified Pipe Culverts

2422.01 DESCRIPTION.

- A. Construct and install roadway and entrance culverts for which inside dimensions and length are specified.
- B. The selection of pipe of a type permitted by this specification, or other approved types permitted in the contract documents, will be optional with the Contractor.
- C. Refer to [Article 2416.01](#) for definitions of roadway and entrance culverts.

2422.02 MATERIALS.

Select the type of pipe culvert for unclassified roadway and unclassified entrance from the following tables.

Table 2422.02-1: Unclassified Roadway Pipe Culvert

Concrete - 2000D (100D)	Section 2416
Coated Corrugated Steel	Section 2417
Polyethylene Pipe	Section 2417

Table 2422.02-2: Unclassified Entrance Pipe Culvert

Unclassified roadway pipe culverts	Any type permitted
Concrete Pipe - 1500D (75D)	Section 2416
Corrugated Steel Pipe	Section 2417

Table 2422.03-3: Unclassified Roadway Letdown Pipe Culvert

Coated Corrugated Steel	Section 2417
Polyethylene Pipe	Section 2417

2422.03 CONSTRUCTION.

- A. Install according to the contract documents and in conformance with applicable requirements for the particular type of pipe used.
- B. Using more than one type of pipe at one installation site will not be permitted unless by written approval of the Engineer.
- C. When rigid pipe culverts are furnished, install as provided in [Article 2416.03](#). When corrugated pipe culverts are furnished, install as provided in [Articles 2417.03, B](#) and [2417.03, C](#).

2422.04 METHOD OF MEASUREMENT.

Measurement for the items associated with unclassified pipe culverts will be as follows:

- A. Unclassified pipe culverts: [Articles 2416.04](#) and [2417.04](#) apply.
- B. Excavation for culverts:
 - 1. Roadway pipe culverts: will be measured as provided in [Article 2402.04](#). The plan quantity of excavation will be based on an excavation, centered for the pipe, of the required depth, length, and a width of 42 inches (1 m) plus the specified diameter of the pipe. Modification will not be made in the quantity shown in the contract documents for variations in wall thickness of the various types of pipe. Modifications will be made in the quantity of excavation for changes in location or flowline as provided in [Article 2402.04](#).
 - 2. Entrance culverts: incidental to pipe installation and will not be measured separately for payment.
- C. Granular Backfill (if required and furnished): [Article 2402.04, E](#), applies.
- D. Foundation treatment (if placed at the direction of the Engineer): [Article 2402.04, F](#), applies.

2422.05 BASIS OF PAYMENT.

Payment for the items associated with unclassified pipe culverts will be the contract unit price as follows:

- A. Unclassified pipe culverts: [Articles 2416.05](#) and [2417.05](#) apply.
- B. Excavation for culverts:
 - 1. Roadway culverts and the quantity of extra excavation for embankments: per cubic yard (cubic meter).
 - 2. Entrance culverts: incidental to the contract unit price for unclassified pipe culvert.
- C. Granular Backfill (when required and furnished): [Article 2402.05, G](#), applies.
- D. Foundation treatment material (furnished and placed): [Article 2402.05, F](#), applies.