

- k. Dents or bends in the metal

614.06 Field Inspection. Field inspections will be made and will include an examination of the pipe for deficiencies in lengths of sheet used, thickness of metal, nominal inside diameter, net length of finished pipe, and any evidence of poor workmanship as outlined in this Section. The inspection may include the taking of samples for chemical analysis and determination of coating thickness and quality.

614.07 Backfill Material. Backfill material shall conform to the requirements of [Subsection 209.04](#), Borrow Type C. If the existing material meets these requirements, it shall be used for pipe backfill.

CONSTRUCTION METHODS.

614.08 Pipe Installation. All pipe shall be carefully handled during unloading and placing in position. Dragging the pipe over the ground or over timbers or planks will not be permitted. Utmost care shall be taken to prevent damage to the bituminous coating. Any exposed metal or damaged coating not exceeding 60 in5 (40 000 mm²) shall be covered with an approved bituminous material properly built up, before placing the backfill. Pipe with damaged areas exceeding 60 in5 (40 000 mm²) may be rejected.

The pipe shall be bedded according to [Section 612](#).

Pipes of large diameter shall be strutted if shown on the Plans. The struts shall be placed before the embankment is placed and shall be removed when ordered.

Where the pipe sections are joined on the Project, the ends shall be joined with a standard band, bolted firmly in place.

Any pipe which is not in true alignment or which shows any detrimental settlement after laying, shall be taken up and re-laid.

614.09 Backfill. Placement of backfill shall conform to [Section 208](#). Care shall be taken to avoid striking the pipe with tamping tools.

614.10 Method of Measurement. The quantity of corrugated steel or corrugated aluminum pipe will be measured as the number of linear feet (linear meters) of each type of pipe placed and accepted, measured from end to end of pipe, including structure wall thickness, but excluding structure interior.

In measuring lengths of special manufactured connections, exclusive of coupling bands, each actual linear foot (linear meter) placed will be doubled.

614.11 Basis of Payment. The quantity of corrugated steel or corrugated aluminum pipe will be paid for at the Contract unit price per linear foot (linear meter) for each type of pipe. Price and payment will constitute full compensation for furnishing, hauling, and installing pipe; for all cribbing or foundation treatment necessary to prevent settlement; for all shoring and sheeting; for the replacement of any pipe which is not in true alignment or which shows any detrimental settlement after laying; for coating if required; and for all material, labor, equipment, tools, and incidentals required to complete the work.

For pipe under 240 (600 mm) nominal inside diameter and arch pipe under 240 (600 mm) nominal inside horizontal dimension, the excavation (excluding rock), backfill, and backfilling will be included in the price for this work. For pipe of nominal inside diameter or horizontal dimension 240 (600 mm) and over, payment for excavation and backfill will be in accordance with Section 208. Furnishing of Borrow Type C for pipe of

nominal inside diameter or horizontal dimension of 240 (600 mm) and over, will be paid for under Section 210.

Payment for excavation and replacement of unsuitable material encountered below the flow line of pipe will be provided for under [Section 208](#).