

number of mail boxes removed and reset.

715.81 Basis of Payment.

Payment for this work will be made at the contract unit price each under the item for Rural Mail Box Removed and Reset which price shall constitute full compensation for setting the boxes in temporary locations.

Rock excavation, if necessary, will be paid for at the contract unit price per cubic meter under the item for Class B Rock Excavation.

715.82 Payment Items.

715.	Rural Mail Box Removed and Reset	Each
144.	Class B Rock Excavation	Cubic Meter

SECTION 717

METAL BIN-TYPE RETAINING WALL

DESCRIPTION

717.20 General.

This item consists of the furnishing and erection of metal retaining wall members consisting of stringer and spacer units, columns, column caps, stiffeners and other accessories meeting the requirements of these specifications. The details of the wall members and other arrangements in the finished wall shall be as shown on the plans.

717.21 Erected Wall.

When erected the walls shall consist of a number of columns in pairs, one column of each pair being in the plane of the front of the wall and the other column being in the plane of the rear of the wall, with the pairs of columns spaced longitudinally with overlapping S-shaped facing and rear members (stringers) and transversely with overlapping U-shaped tie members (spacers). The necessary bolts and appurtenances shall be furnished for complete assembly of the units into a continuous closed face wall of connected bins.

MATERIALS

717.40 General.

Material shall meet the requirements specified in Subsection M8.13.2 of Division III, Materials.

CONSTRUCTION METHODS

717.60 Manufacturer's Responsibility.

All units shall be so fabricated that units of the same nominal size shall be fully interchangeable. No drilling, punching or drifting to correct defects in manufacture shall be permitted. Any units having holes improperly punched shall be promptly replaced at the expense of the Contractor.

Whenever possible in the manufacture of the units a minimum forming radius of 25 millimeters shall be maintained. All units that are formed with less than a 25 millimeter radius shall be hot-dipped galvanized after forming.

717.61 Excavation.

Rough excavation for the site of the wall shall be made to the lines and grades shown on the plans or as directed. The bearing at the corners of the bin shall be firm and true to grade before any wall is erected.

No base plate shall be set on ledge or concrete and, if encountered, the ledge or concrete shall be removed and replaced with a gravel cushion having a minimum thickness of 300 millimeters between the base plate and the ledge or concrete.

Gravel shall conform to the requirements of Subsection M1.03.0 Type c for Gravel Borrow.

717.62 Erection of Units.

Prior to erection, the gauge of stringers, spacers and columns shall be readily identifiable.

The units shall be erected as shown on the plans. Members shall be handled carefully and any which are damaged as a result of handling, storing or erecting shall be removed and new members substituted at the Contractor's expense. Any and all plain galvanized accessories, excluding bolts, shall be covered prior to erection with an approved paint supplied by the manufacturer.

The units in the wall shall conform to the dimensions and gauges specified on the plans and when assembled, shall be in conformity with the lines, grades and dimensions shown on the plans.

717.63 Construction of Wall on Curve.

In the construction of a wall on a curve the proper curvature for the face shall be obtained by the use of shorter stringers in the front or rear panels of retaining wall as designated on the plans or by the Engineer.

717.64 Height of Wall.

The wall height may be varied but it shall not exceed the maximum height shown for the design selected. Two or more designs of retaining walls may be incorporated in the same wall by the use of special split columns to make the connection on the stepback.

717.65 Backfill.

The filling of the interior of the wall and behind the wall may progress simultaneously with the erection of the units and shall consist of gravel conforming to the requirements of Subsection M1.03.0, Type a. The backfilling shall be made in layers not greater than 150 millimeters in thickness, and shall be thoroughly and satisfactorily compacted. The puddling method of backfilling will not be permitted.

COMPENSATION

717.80 Method of Measurement.

The quantity of metal bin-type retaining wall to be paid for under this item shall be the number of square meters of area of the total of all front panels of metal retaining wall complete in place in the accepted work. The area of each front panel shall be determined by multiplying the width of each front panel by its total height.

Excavation shall be measured as specified in Section 120 for Earth Excavation or Class A Rock Excavation, and as indicated on the plan.

Gravel borrow shall be measured as specified in Subsection 150.80.

717.81 Basis of Payment.

The above work will be paid for at the contract unit price per square meter of Metal Bin-Type Retaining Walls, complete in place.

Excavation will be paid for at the contract unit price per cubic meter under the item of Earth Excavation or Class A Rock Excavation.

Gravel for filling in and around the metal bin-type retaining wall will be paid for at the contract unit price per cubic meter for Gravel Borrow.

717.82 Payment Items.

717.	Metal Bin-Type Retaining Wall	Square Meter
120.	Earth Excavation	Cubic Meter
121.	Class A Rock Excavation	Cubic Meter
151.	Gravel Borrow	Cubic Meter