

# 900 SEWERAGE WORK

## ITEM 919 - WATERCOURSE EROSION PROTECTION

- 919.01 Description**
- 919.02 Materials**
- 919.03 Excavation and Backfill**
- 919.04 Protection Material**
- 919.05 Method of Measurement**
- 919.06 Basis of Payment**

**919.01 Description.** This work shall consist of compacting backfill and placing the protection material on the banks and bottom of swales, ditches, channels or streams where shown on the plans, or as ordered by the Engineer, over the full width of the excavated trench to undisturbed earth.

**919.02 Materials.** Materials shall be as follows:

1. Dumped rock fill, Type B.....601.07

**919.03 Excavation and Backfill.** Excavation shall be as specified under Section 901.03 and Backfill shall meet the requirements of Item 911 and both will be paid for under Item 901.

**919.04 Protection Material.** The Contractor shall distribute the rock to a mat thickness of 18 inches (457 mm). Reasonable care shall be exercised in placing the protection to assure that the finished surface of the protected trench shall conform with the existing bank and bottom contours.

**919.05 Method of Measurement.** The number of square yards of watercourse erosion protection to be paid for will be computed on the following basis.

Square yards (square meters) equals W times L divided by 9 (0): Where W is the surface width of the rock mat and L is the surface length of the rock mat as measured along the slope of the mat parallel to the centerline of the sewer, both width and length being in feet (meters), complete in place.

**919.06 Basis of Payment.** Payment will be made at contract price for:

<b>Item</b>	<b>Unit</b>	<b>Description</b>
919	Square Yard (Square Meter)	Watercourse Erosion Protection