

919.01

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 consists 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. Work performed under this item shall comply with the City's Stormwater Drainage Manual.

919.02 Materials. Use the following materials:

1. Dumped Rock Fill, Type B 601.08

919.03 Excavation and Backfill. Perform excavation as specified under Section 901.03 and place backfill meeting the requirements of Item 911. The City will pay for excavation and backfill under Item 901.

919.04 Protection Material. Distribute the rock to a mat thickness of 18 inches (457 mm). Exercise reasonable care in placing the protection to ensure that the finished surface of the protected trench conforms to the existing bank and bottom contours.

919.05 Method of Measurement. The Engineer will measure the number of square yards of watercourse erosion protection calculated 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 in feet (meters), complete in place.

919.06 Basis of Payment. The City will pay accepted quantities of the following at the contract price:

Item	Unit	Description
919	Square Yard (Square Meter)	Watercourse Erosion Protection