

ITEM 17203.6001 M - BROKEN ROCK TRENCH - DRILLING AND BLASTING

DESCRIPTION

Drill and blast the rock below the ditch line to form trenches filled with broken natural rock, in accordance with the plans or as ordered by the Engineer. Leave the broken rock in place below grade.

MATERIALS

None specified.

CONSTRUCTION DETAILS

Perform drilling and blasting operations to insure thorough breaking of the rock to a minimum depth below the ditch line at every location along the trench as shown on the plans. In cut areas where presplitting is required, extend the presplit holes down to at least the bottom elevation of the blasted rock trench holes. Conduct the work in a manner to avoid fly rock. Remove material heaved by the blasting and trim back the area to the lines and grades shown on the plans or as ordered by the Engineer.

Excavate test trenches at locations, as ordered by the Engineer, to determine if the degree of fragmentation and depth of rock breakage is adequate. After blasting, the maximum allowed dimension of the fragmented rock pieces is 600 mm. No unbroken rock will be allowed to project into the area of fragmentation. No more than one test trench will be required for every 150 m of broken rock trench. If deficiencies are found to exist, excavate additional test trenches within the area of deficiency, as ordered by the Engineer, to determine the extent. Correct by re-drilling and blasting. Backfill the test trenches with broken rock having a maximum size not to exceed 300 mm in the greatest dimension.

All blasting for the broken rock trench in an area must be completed before paving is begun in that area.

METHOD OF MEASUREMENT

The quantity of this Item is the number of linear meters of broken rock trench satisfactorily constructed by blasting in accordance with the plans or as ordered by the Engineer, measured along the trench line.

BASIS OF PAYMENT

The unit price per linear meter includes the cost of furnishing all labor, materials and equipment necessary to satisfactorily complete the work, including the cost of drilling, blasting, removal of any material heaved above the final grade elevations, the excavating and backfilling of test trenches and any necessary corrective work.