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## **Part 1 General**

### **1.1 RELATED WORK**

- .1 Section 31 32 21 - Geotextiles.

### **1.2 MEASUREMENT PROCEDURES**

- .1 Rip-rap material will be paid for at the unit bid price in cubic meters placed or agreed upon truck measure. This shall be full compensation for hauling, shaping of underlying material, equipment, tools, labour and incidentals necessary to complete the work. The excavation and disposing the material off site shall be considered incidental to this work and not paid separately.

## **Part 2 Products**

### **2.1 MATERIALS**

- .1 To requirements of Prince Edward Island, Department of Transportation and Infrastructure Renewal Specification #213 (latest edition) as it relates to Class R-100 imported metamorphic or igneous rock.
- .2 Stone: Imported metamorphic or igneous stones. Random rip rap shall consist of clean, hard, durable quarried stone, free from seams, cracks or other structural defects having a density of not less than 2.65 tonne/m<sup>3</sup>.
- .3 The rock material is subject to Los Angeles Abrasion Test (ASTM C131) and shall have a loss not greater than 35%.
- .4 When tested for soundness, five cycles of magnesium sulphate (ASTM c88), the rock material shall have a loss not greater than 15%.

## **Part 3 Execution**

### **3.1 PLACING**

- .1 Where rip-rap is to be placed on slopes, excavate toe in slope in accordance with dimensions as indicated on drawing.
- .2 Prepare area to be rip rapped to uniform, even surface. Fill depressions with suitable material and compact to provide firm bed.
- .3 Place geotextile on prepared surface. Place rip rap on geotextile so as to avoid puncturing geotextile.

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- .4 Place rip-rap in accordance with thickness and details as indicated on drawing.
  - .5 Place stones in manner approved by Departmental Representative to secure surfaces and create a stable mass. Place larger stones at bottom of slopes and face of slopes.

**END OF SECTION**