

PART 1 - GENERAL

1.1 Related Sections .1 Section 31 32 19.01 - Geotextiles

PART 2 - PRODUCTS

2.1 Rock .1 Hard, with relative density (formally specific gravity) not less than 2.65, durable quarry stone, free from seams, cracks or other structural defects, to meet following size distribution for use intended:

.1 Armour Stone Rip Rap :

<u>Sieve Designation</u>	<u>% Passing</u>
1050 mm	100
650 mm	0 - 50
300 mm	0 - 15

.2 Hand Laid Rip Rap :

<u>Sieve Designation</u>	<u>% Passing</u>
300 mm	100
150 mm	0 - 50

.2 Rip rap to be clean, inorganic, non ore-bearing, non-toxic material from a non-watercourse source. It shall be hard, resistant to weathering and angular in shape.

2.1 Geotextile Filter .1 Geotextile: in accordance with Section 31 32 19.01 - Geotextiles.

PART 3 - EXECUTION

3.1 Placing .1 Where rip rap is to be placed on slopes, excavate trench at toe of slope.

.2 Fine grade area to be to uniform, even surface. Fill depressions with suitable material and compact to provide firm bed.

.3 Place geotextile on prepared surface in accordance with Section 31 32 19.01 - Geotextiles and as indicated. Avoid puncturing geotextile. Vehicular traffic over geotextile not permitted.

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- .4 Place rip rap to thickness and details as indicated.
- .5 Place stones in manner approved by departmental representative to secure surface and create a stable mass. Place larger stones at bottom of slopes.
- .6 Hand or Machine placing:
  - .1 Use larger stones for lower courses and as headers for subsequent courses.
  - .2 Stagger vertical joints and fill voids with rock spalls or cobbles.
  - .3 Finish surface evenly, free of large openings and neat in appearance.