

---

PART 1 - GENERAL

1.1 Related  
Sections

1.2 References

- .1 American Society for Testing and Materials (ASTM)

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 Rip Rap :
    - .1 As per sizes shown on drawings.

PART 3 - EXECUTION

3.1 Placing

- .1 Where rip rap is to be placed on slopes, excavate trench at toe of slope to dimensions as indicated.
- .2 Fine grade area to be to uniform, even surface. Fill depressions with suitable material and compact to provide firm bed.
- .3 Place rip rap to thickness and details as indicated.
- .4 Place stones in manner approved by departmental representative to secure surface and create a stable mass. Place larger stones at bottom of slopes.
- .5 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.