

PART 1 - GENERAL

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| <u>1.1 RELATED REQUIREMENTS</u> | .1 | Section 31 23 33.01 - Excavating, Trenching and Backfilling. |
| <u>1.2 PRICE AND PAYMENT PROCEDURES</u> | .1 | Scour Protection Rock (200 mm - 400 mm): Supply, placement, and compaction of rock fill will be measured by the cubic metre. The volume of material will be determine in place from measurements taken prior to and at completion of the work. Include the cost of all plant, labour, equipment, and materials required to complete the work as specified. |
| <u>1.3 REFERENCES</u> | .1 | ASTM International
.1 ASTM C 117-13, Standard Test Method for Material Finer Than 0.075 mm (No. 200) Sieve in Mineral Aggregates by Washing.
.2 ASTM C 127-12, Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate.
.3 ASTM C 136-13, Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates. |
| <u>1.4 DELIVERY, STORAGE AND HANDLING</u> | .1 | Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements. |

PART 2 - PRODUCTS

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| <u>2.1 MATERIALS</u> | .1 | Rock scour protection:
.1 Quarried rock: uniformly graded.
.2 Quarried rock: to be free from splits, seams or defects likely to impair its soundness during handling or by action of water and to approval of Departmental Representative.
.3 Rock, cubical and angular in shape with ratio of maximum to minimum dimensions of less than:
.1 Maximum rock size: 500 mm. |
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.2 Minimum rock size: 150 mm.

PART 3 - EXECUTION

- 3.1 EXAMINATION .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for gabion mattresses installation in accordance with manufacturer's written instructions.
- .1 Visually inspect substrate in presence of Departmental Representative.
- .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
- .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.
- 3.2 PREPARATION .1 Sound area in presence of Departmental Representative before placing rock scour protection material, and record elevation of bottom on which rock to be placed.
- 3.3 PLACEMENT .1 Ensure that no frozen material is used in placing.
- .2 Do not place rock material until bottom area has been reviewed by Departmental Representative.
- .3 Place scour protection materials to dimensions as indicated.
- .4 Prevent segregation in placing of material sizes.
- .5 Do not place material during weather judged unsuitable by Departmental Representative.
- 3.4 SCOUR PROTECTION .1 Place scour protection to details as indicated as soon as practicable after placement of cribs.
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3.5 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.