

## PART 1 - GENERAL

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| <u>1.1 Related Sections</u>       | .1 | Section 02 41 13 Site Work, Preparation and Removal.   |
|                                   | .2 | Section 31 32 21 Geotextiles and Geogrids.   |
| <u>1.2 Measurement Procedures</u> | .1 | <u>Filter Stone</u> : Reinstalled salvaged crib ballast stone will be measured in tonnes, (Tonnes), of material acceptably placed in the work to the lines and grades specified.   |
|                                   | .2 | <u>Armour Stone</u> : New armour stone will be measured in tonnes, (Tonnes), of material supplied and acceptably placed in the work to the lines and grades specified.             |
|                                   | .3 | <u>Barrier Stone</u> : will be measured in tonnes, (Tonnes) of material supplied and acceptably placed in the work.  |
|                                   | .4 | Removal, stockpiling and reinstatement of salvaged armour stone will be included for payment under Construction/Demolition in Section 02 41 13 Site Work, Preparation and Removal. |

## PART 2 - PRODUCTS

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| <u>2.1 Filter Stone</u>  | .1 | Filter Stone: Filter stone for slope protection to be clean, hard, dense durable ballast stone salvaged from the demolition of the cribwork structures.<br>.1 To consist of material approved by the Departmental Representative.  |
| <u>2.2 Armour Stone</u>  | .1 | Armour stone: to be clean, hard, dense durable quarry stone:<br>.1 To be in strict accordance with the material requirements as per the January 2011 Edition of the NBDOT Standard Specifications, Item: 610, Armour Stone Protection. Gradation to be to as per drawing specifications. |
| <u>2.3 Barrier Stone</u> | .1 | Barrier Stone: to be clean, hard, dense durable quarry stone.<br>.1 To be in strict accordance with the material requirements as per the January 2011 Edition of   |

the NBDOT Standard Specifications, Item: 610,  
Armour Stone Protection.

- .2 Size to be of nominal 1.2 m x 1.0 m x 0.8 m and be of squarish shape.
- .3 Size and shape of stone to be approved by Departmental Representative.

2.4 Filter Fabric

- .1 Geotextile: in accordance with Section 31 32 21 Geotextiles and Geogrids.

PART 3 – EXECUTION

3.1 General

- .1 The Contractor shall place filter and armour stone such that the underlying material and abutting structures are not damaged.
- .2 The Contractor shall be responsible, at his/her expense to repair any such damage to the Work.

3.2 Placing Filter Stone

- .1 Place the filter stone to the lines and grades shown on plan. The material that falls outside the work will be removed and reinstalled. No end dumping will be permitted.
- .2 Fine grade areas to be backfilled with stone to uniform, even surfaces. Compact to provide firm bed.
- .3 Line bottom and sides of areas to be filled with stone with filter fabric on prepared surfaces in accordance with Section 31 32 21 Geotextiles and Geogrids and as indicated. Place stone on filter fabric so as to avoid puncturing filter fabric. Do not drive vehicles directly on filter fabric.
- .4 Place stone to thickness and details as indicated.
- .5 Place stone in manner approved by Departmental Representative to create a firm compacted, very dense stable mass. Place larger stones at bottom.

3.3 Placing Armour Stone

- .1 Mechanically place the armour stone. No end dumping will be permitted.

- .2 Fine grade areas to be backfilled with stone to uniform, even surfaces. Compact to provide firm bed.
- .3 Place stone to thickness and details as indicated.
- .4 Place stone in manner approved by Departmental Representative to create a firm compacted, very dense stable mass. Place larger stones at bottom.
- .5 Finish surface evenly, free of loose areas and neat in appearance.

3.4 Placing Barrier Stone

- .1 Barrier stone: Mechanically place the barrier stone where shown on plan and as directed or approved by Departmental Representative.