

PART 1 - GENERAL

- 1.1 Description
- .1 This section specifies requirements for the Site Works -Petit Rocher Wharf in preparation of harbour dredging, construction of Rubble Mound containment cell and the restoration of the site upon completion of dredging.
  - .2 Site Works - Petit Rocher Wharf preparation will consist of, but not necessarily be limited to:
    - .1 Mobilization and demobilization of dredging and construction equipment.
    - .2 Installation and maintenance of erosion control measures.
    - .3 Installation and maintenance of Floating Silt curtain in the harbour.
    - .4 Installation and maintenance during dredging operations of safety fence (Snow Fence).
    - .5 Provide a buoy life ring and a rope et the containment cell.
    - .6 Contact NB Power to de-energize overhead power lines, if applicable.
    - .7 Locate under ground elctrical.
    - .8 Ensure noise control and dust control measures are inplace during all construction activities.
  - .3 The containment cell a Petit Rocher Wharf is to be maintained under site work and includes:
    - .1 Security and fencing;
    - .2 Draining of cell.
    - .3 Dust and noise control.
    - .4 Provide a buoy life ring
    - .5 Site security measures.
  - .4 Site restoration is site work, and will consist of, but not necessarily be limited to, the following:
    - .1 Shape containment cell to ensure proper drainage.
- 1.2 Related Work
- .1 Containment Cell Section 35 31 18

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| <u>1.3 Protection</u>              | .1 | Protect existing objects designated to remain. In event of damage, immediately replace or make repairs to approval of and at no additional cost to Departmental Representative.              |
| <br>                               |    |  |
| <u>1.4 Measurement for Payment</u> | .1 | Site Works - Petit Rocher Wharf: as specified including all plant, labour will constitute a fixed price item for measurement purposes.   |
|                                    | .2 | There will not be any separate payment for the reinstatement of work that was temporarily removed for the installation of the new work. Include cost for this work in the items for payment. |

## PART 2 - PRODUCTS

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| <u>2.1 Materials</u> | .1 | Salvaged Sandstone - Not applicable.  |
|                      | .2 | All rock material to be granitic or basaltic rock that is of approved quality, sound, hard, dense, angular, resistant to weathering and salt water, free from overburden, spoils, and organic material. Larger sizes to be free from cracks, seams or other defects which may impair durability; specific gravity minimum 2.60; slate, shale, and sandstone not acceptable.<br>.1 The Departmental Representative will inspect and approve the proposed source of supply prior to the start of work<br><br>.2 Random Rip Rap Mix: Homogeneous blend supply of specific mixture mixed at the proportions of approx 20% by weight to the random rip rap material indicated to form a dense material when placed and compacted. R5 |
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2.1 Materials  
(Cont'd)

.2 (Cont'd)  
.2 Random Rip Rap Mix:(Cont'd)

R5 Random Mix

ASTM Sieve Size	% Passing
200 mm	100
190 mm	70-90
150 mm	40-55
70 mm	0-15

.3 Granular 31.5mm Material:

.1 Granular Base rock, clear, hard durable, angular, crushed quarried rock aggregate free from silt, clay lumps, organic matter, foreign substances and free from splits, seams or defects. Specific gravity not less than 2.6 when tested to ASTM C127-77 (AASHTO T85-77).

.2 Gradation to be within following limits when tested to ASTM C136-84 and ASTM C117-87 and giving a smooth curve without sharp breaks when plotted on a semi-log grading chart.

.3 Gradation - Granular Base:

ASTM Sieve Size	% Passing
31.5 mm	95-100
25.0 mm	81-100
19.0 mm	66-90
12.5 mm	50-77
9.5 mm	41-70
4.75 mm	27-54
2.36 mm	17-43
1.18 mm	11-32
300 µm	4-19
75 µm	0-8

.4 Control of gradation shall be by visual and mechanical inspection. Any difference of opinion between the Engineer and the Contractor shall be resolved by dumping and checking the gradation of individual rocks taken at random. Mechanical equipment, a sorting site and labour needed to assist in checking gradation shall be provided, at no additional cost by the Contractor.

.5 In the event of more than one category of rock within a truck load arriving on site, only one category will be measured at a time with the remaining category(ies) being removed and stored temporarily for subsequent weighing.