

PART 1 - GENERAL

1.1 DESCRIPTION

- .1 This section specifies the supply, placement, and compaction of rock fill and Class "A" in areas identified on the drawings, as required or as directed by the Departmental Representative.

1.2 MEASUREMENT FOR PAYMENT

- .1 Rock Fill: The supply, placement, and compaction of rock fill as specified will be measured by the cubic meter (m³). The volume of material will be determined in place from measurements taken prior to and at completion of the Work. Only new quarried rock fill material brought to site will be measured for payment. Fill or ballast materials salvaged from existing construction at the site will not be measured for payment. Include the cost of all plant, labour, equipment, and materials required to complete the Work as specified.
- .2 Class "A": Supply, placement, and compaction of Class "A" as specified will be measured by the cubic meter (m³). The volume of material will be determined 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.

PART 2 - PRODUCTS

2.1 ROCK FILL

- .1 Rock fill will be of hard, durable, evenly-graded blasted stone having a maximum diameter of 300 mm in major portion of fill and a maximum diameter of 150 mm in upper 600 mm of rock fill. Fill material will contain no more than 6 percent by weight passing the 25.4 mm sieve. Rock fill to be evenly graded within the limits specified.
- .2 Use of shale rock or slate will not be permitted.

2.2 CLASS "A"

- .1 Class "A" will consist of clean, hard, durable crushed gravel or stone, free from shale, clay, friable materials, organic matter, and other deleterious substances and graded within the 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 chart.

ASTM Sieve Designation	% Passing
	Class "A"
50.8 mm	-
25.4 mm	-
19.0 mm	100
9.51 mm	50-80
4.76 mm	35-60
1.20 mm	15-35
300 µm	5-20
75 µm	2-6 (Pit Source) 2-8 (Rock Source)

.2 Physical Requirements for Class "A":

- .1 Los Angeles Abrasion
(Loss % Maximum) ASTM
C131-89 35, C535-89: 35
- .2 Percent Crushed
(% Minimum): 50
- .3 Plasticity Index, ASTM
D4318-84: 0
- .4 Petrographic Number (max),
ASTM CSA 23.2-M90: 150

PART 3 - EXECUTION

3.1 PLACING ROCK FILL

- .1 Only rock fill material
approved by Departmental
Representative will be placed.
Material will be placed
uniformly across full cross-
section in layers not exceeding
500 mm loose depth.

.2 Use suitable earth moving and surface grading equipment to place and spread rock fill in continuous and uniform horizontal layers.

.3 Compact rock fill after each 500 mm lift.

3.2 PLACING CLASS "A"

.1 Place in 100mm lift and compact to 98 percent standard modified proctor density.

END OF SECTION