

SECTION 850 ROCK LINING

850.1 DESCRIPTION This work is construction of rock lining of the class indicated.

850.2 MATERIAL

(a) Rock.

- 1. General.** Acceptable quality; so und; free from structural defects and foreign substances, such as soil, shale and organic materials. Unless the rock comes from material providing an approved Type A Aggregate, submit samples to the MTD for petrographic examination for durability prior to use.

Use rock meeting the following requirements:

- No Shale Seams.
- Hard and angular shaped rock with neither width nor thickness less than one-third its length.
- Minimum specific gravity of 2.5, as determined in accordance with PTM No. 506, bulk-saturated, but surface-dry basis.
- Each load of rock well-graded, from the smallest to the largest size.

1. Size and Gradation.

Percent Passing (Square Openings)						
Class, Size No. (NCSA)	R-8**	R-7**	R-6	R-5	R-4	R-3
Rock Size, Millimeters (inches)						
1070 (42)	100*					
760 (30)		100*				
610 (24)	15-50		100*			
460 (18)		15-50		100*		
380 (15)	0-15					
300 (12)		0-15	15-15		100*	
230 (9)				15-50		
150 (6)			0-15		15-50	100*
100 (4)				0-15		
75 (3)					0-15	15-50
50 (2)						0-15
Nominal Placement Thickness, millimeters (inches)	1220 (48)	915 (36)	800 (30)	610 (24)	460 (18)	305 (12)

* Maximum Allowable Rock Size

** Use Class 2, Type A Geotextile

Acceptance of gradation will be based upon visual inspection and certification. Provide two samples of rock, at least 4.5 tonnes (5 tons) each or each one-half the total project quantity, whichever is smaller. Provide one sample in place at the construction site and provide the other sample at the quarry. The construction site sample may be incorporated into the work. These samples will be used as a reference for judging the size and gradation of the rock supplied and placed. Certify as to gradation, as specified in Section 106.03(b)3.

(b) Geotextiles. Class 2, for the type required. Section 735