

## 211-R-570 STRUCTURE BACKFILL FOR RETAINING WALL

(Revised 06-17-10)

The Standard Specifications are revised as follows:

SECTION 211, BEGIN LINE 112, DELETE AND INSERT AS FOLLOWS:

**(c) Type 3**

1. structure backfill in accordance with 904.05, except only *nominal size aggregates No. 30, 1 in., 1/2 in., or No. 4, or No. 30 nominal size aggregates*, or *coarse aggregate No. 5, No. 8, No. 9, or No. 12 coarse aggregate* shall be used. No slag other than ACBF will be permitted.

SECTION 904, BEGIN LINE 320, DELETE AND INSERT AS FOLLOWS:

**904.05 Structure Backfill**

The material shall be of acceptable quality, free from large or frozen lumps, wood, or other extraneous matter. It shall consist of suitable sand, gravel, crushed stone, ACBF, or GBF. Structure backfill shall be in accordance with one of the ~~following~~ gradations *shown in the table below, or coarse aggregate No. 5, No. 8, No. 9, No. 11, No. 12, No. 53, or No. 73 coarse aggregate* in accordance with the gradation requirements of 904.03(e). Coarse aggregate *No. 5, No. 8, No. 9, No. 11, No. 12, No. 53, or No. 73* shall be crushed stone or ACBF, class D or higher.

Sieve Sizes	NOMINAL SIZES AND PERCENTS PASSING					
	2 in. (50 mm)	1 1/2 in. (37.5 mm)	1 in. (25.0 mm)	1/2 in. (12.5 mm)	No. 4 (4.75 mm)	No. 30 (600 µm)
2 1/2 in. (63 mm)	100					
2 in. (50 mm)	90-100	100				
1 1/2 in. (37.5 mm)	70-100	90-100	100	100		
1 in. (25.0 mm)	55-95	70-100	85-100			
3/4 in. (19.0 mm)	45-90	55-95	70-100			
1/2 in. (12.5 mm)	35-85	40-90	55-95	85-100	100	100
No. 4 (4.75 mm)	20-65	20-70	25-75	45-85	90-100	
No. 8 (2.36 mm)	10-50	10-55	15-60	25-75	75-100	
No. 30 (600 µm)	3-35	3-35	3-35	5-45	15-70	70-100
No 200 (75 µm)	0-8	0-8	0-8	0-8	0-8	0-8