

211-R-625 STRUCTURE BACKFILL TYPE 3

(Adopted 06-18-15)

The Standard Specifications are revised as follows:

SECTION 211, BEGIN LINE 111, INSERT AS FOLLOWS:

(c) Type 3

Structure backfill in accordance with 904.05, except only nominal size aggregates 1 in., 1/2 in., No. 4 or No. 30, and coarse aggregate No. 5, No. 8, No. 9, No. 11, or No. 12 shall be stone. ACBF meeting the size requirements for coarse aggregate No. 5 or No. 8 may also be used.

A type A certification in accordance with 916 for the additional structure-backfill testing described below shall be furnished to the Engineer prior to use. An approved geotechnical laboratory shall be used to perform the tests.

Structure backfill for all retaining walls shall be in accordance with the following criteria:

PROPERTY	CRITERIA	TEST METHOD
pH <i>(Note 1)</i>	5 < pH < 10	AASHTO T 289
Organic Content <i>(Note 2)</i>	1% max.	AASHTO T 267
Permeability, min. <i>(Note 3)</i>	30 ft/day	AASHTO T 215
<i>Note 1: One pH test is required for each bench of stone, each source of air cooled blast furnace slag, and each source of gravel.</i>		
<i>Note 2: One organic content test is required for each source of gravel.</i>		
<i>Note 3: One permeability test is required for the smallest aggregate size from each source. Sizes No.5, No.8, and No.9 do not require a permeability test.</i>		

The gradation shall be ~~run~~performed on the material used in the permeability test. Testing for permeability shall be performed on the sample of the material compacted to 95% in accordance with AASHTO T 99, Method C or D. All of the tests listed above shall be ~~run~~performed a minimum of once every 12 months per source. ~~The Office of Materials Management will evaluate the material from each source and determine the appropriate tests to be performed.~~