**10B**

# GRANULAR MATERIALS

(Effective: November 26, 2013)

Revise the title of Article 1003.04 of the Standard Specifications to read:

“ **1003.04 Fine Aggregate for Bedding, Trench Backfill, Embankment, Porous Granular Backfill, Sand Backfill for Underdrains, and French Drains.**”

Revise Article 1003.04(c) of the Standard Specifications to read:

“(c) Gradation. The fine aggregate gradations for granular embankment, granular backfill, bedding, and trench backfill for pipe culverts and storm sewers shall be FA 1, FA 2, or FA 6 through FA 21.

The fine aggregate gradation for porous granular embankment, porous granular backfill, french drains, and sand backfill for underdrains shall be FA 1, FA 2, or FA 20, except the percent passing the No. 200 (75 μm) sieve shall be 2±2.”

Revise Article 1004.05(c) of the Standard Specifications to read:

“(c) Gradation. The coarse aggregate gradations shall be as follows.

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| Application | Gradation |
| Blotter | CA 15 |
| Granular Embankment, Granular Backfill, and Bedding | CA 6, CA 9, CA 10, CA 12, CA17, CA18,  and CA 19 |
| Porous Granular Embankment, Porous  Granular Backfill, and French Drains | CA 7, CA 8, CA 11, CA 15, CA 16 and  CA 18 |
| Trench Backfill and Bedding for Pipe  Culverts and Storm Sewers | CA 6, CA 71**/**, CA 9, CA 10, CA 111/, CA 12, CA17, CA18, and CA 19 |

1/ For gradations CA 7 or CA 11, lifts may exceed 8 in. (200mm) in depth provided

the material is seated to the satisfaction of the Engineer.

**Designer Note:**

Replace the BDE special provision GRANULAR MATERIALS on projects where Trench Backfill is required.