

General Specification for Civil Engineering Works**2020 Edition****AMENDMENT NO. 2/2022****VOLUME 1****SECTION 1 GENERAL****APPENDIX 1.1 STANDARDS****1.1.2 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS****(a) Delete the following references:**

ASTM C117-13 Standard Test Method for Materials finer than 75- μm (No. 200) Sieve in Mineral Aggregates by Washing

ASTM C136-14 Standard Test Method for Sieve Analysis of Fine and Course Aggregates

(b) Add the following reference:

ASTM D5444-15 Standard Test Method for Mechanical Size Analysis of Extracted Aggregate

SECTION 9 WATER SUPPLY PIPEWORKS**TESTING: BITUMINOUS MATERIALS OTHER THAN POLYMER MODIFIED FRICTION COURSE MATERIAL**

(c) Clause 9.56 Replace “ASTM C 136 with modifications and ASTM C 117, Method B” with “ASTM D 5444 with modification” in sub-clause (2).

Replace “ASTM C 136” with “ASTM D 5444” in sub-clause (3).

Replace sub-clause 3(b) with the following:

“(b) The washed aggregate shall be dried at a temperature of $110 \pm 5^\circ\text{C}$.”

Delete the sub-clause (4).

(d) Clause 9.60 **Replace “ASTM C 136” with “ASTM D 5444” in sub-clause (3).**

Replace sub-clause 3(b) with the following:

“(b) The washed aggregate shall be dried at a temperature of $110 \pm 5^{\circ}\text{C}$.”

APPENDIX 9.2 DETERMINATION OF BINDER CONTENT AND PARTICLE SIZE DISTRIBUTION OF POLYMER MODIFIED FRICTION COURSE MATERIAL

(e) Clause 9.2.1 **Replace “ASTM C 136 with modifications and ASTM C 117, Method B” with “ASTM D 5444 with modifications”.**

(f) Clause 9.2.3 **Replace “ASTM C 136 with modifications and ASTM C 117, Method B” with “ASTM D 5444 with modifications” in sub-clause (e).**

**Quality Management & Standards Unit
Civil Engineering and Development Department
30 August 2022**