

Section 02555S

MANHOLE REHABILITATION

The following supplements modify Section 02555 – Manhole Rehabilitation. Where a portion of the Specification is modified or deleted by this Supplementary Specification, the unaltered portions of the Specification shall remain in effect.

2.03 MANHOLE WALL LINERS, BENCH FORMING AND REPAIR MATERIALS: Replace 2.03 A, with the paragraph 2.03 A below, and add paragraph 2.03 B:

A. Sprayable Restoration Mortar: Use blend of portland cement or polymer modified cement, micro-silica, densifiers, admixtures and other modifiers that produces a high strength and low permeability mortar for rehabilitation of deteriorated concrete and brick surfaces, and meet the following requirements:

- 1) Compressive Strength (ASTM C109) of 9,000 psi (minimum) in 28 days
- 2) Flexural Strength (ASTM C293) of 1,000 psi (minimum) in 28 days
- 3) Tensile strength (ASTM C496) of 600 psi (minimum) in 28 days
- 4) Bond Strength (ASTM C882) of 2,000 psi (minimum) in 28 days
- 5) Shrinkage/ length change (ASTM C596) of less than 0.04% in 28 days
- 6) 'Very Low' Chloride Ion Penetrability at 28 days (ASTM C1202)

B. Refer to City of Houston Wastewater Approved Products List.

END OF SUPPLEMENT

Approved by:



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Date