

EXPECTED IMPLEMENTATION JULY 2015

949 BRICK AND CONCRETE MASONRY UNITS FOR MANHOLES, INLETS, AND OTHER STRUCTURES.

(REV 1-14-15) (FA 2-25-15) (7-15)

SECTION 949 is deleted and the following substituted:

SECTION 949 MISCELLANEOUS COMPONENTS FOR MANHOLES, INLETS AND OTHER STRUCTURES

949-1 Clay Brick and Shale Brick.

This brick shall meet the requirements of ASTM C62, Grade MW or ASTM C32, Grade MM.

949-2 Concrete Brick.

Concrete brick shall meet the requirements of ASTM C55.

949-3 Concrete Masonry Units.

Concrete masonry units for use in manholes, inlets and similar structures shall meet the requirements of ASTM C 139.

949-4 Precast Grade Adjustment Rings.

Precast grade adjustment rings shall meet the requirements of ASTM C478.

949-5 Composite Rubber Adjustment Rings.

Composite rubber adjustment rings shall meet the following minimum material requirements:

| Physical Properties | Requirements | Test Method |
|--|--|------------------------|
| Density, lb./ft ³ | 65 ± 5% | ASTM D 3574-05, Test A |
| Durometer Hardness, Molded Surfaces, Shore A | 75A ± 10 | ASTM D 2240-05 |
| Tensile Strength, psi | 145 (minimum) | ASTM D 412-06 |
| Ultimate Elongation % | 15 ± 5 | ASTM D 412-06 |
| Compression Deformation %, Initial | 6 ± 2 | ASTM D 575-91(01) |
| Compression Deformation %, Final | 6 ± 2 | ASTM D 575-91(01) |
| Coefficient of Thermal Expansion | 10x10 ⁻⁵ ± 5x10 ⁻⁵ | ASTM E 831-05 |

949-6 Acceptance.

Provide the Engineer a certification from the manufacturer stating that the bricks, concrete masonry units, precast grade adjustment rings or composite rubber adjustments rings

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meet the requirements of this Section. Acceptance of materials will be in accordance with Section 6.

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