

SECTION 33 01 35 {02958}
MANHOLE GROUT SEALING
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This section includes cleaning, plugging, and grout sealing of defective manholes.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcata.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Manhole interior cleaning.
2. Manhole sealing.

B. Related Sections:

1. Section 33 01 31 - Manhole Grade Adjustment.
2. Section 33 01 32 - Sewer and Manhole Testing.
3. Section 33 01 34 - Sewer and Pipe Joint Sealing.
4. Section 33 01 36 - Relining Sewers.

C. Related Sections:

1. Section 02281 - Manhole Grade Adjustment.
2. Section 02952 - Sewer and Manhole Testing.
3. Section 02956 - Sewer and Pipe Joint Sealing.
4. Section 02957 - Relining Sanitary Sewers.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

Use this article ONLY when work of this section is performed under unit price payment method. Delete this article when payment is by Stipulated Sum/Price.

- A. Manhole Interior Cleaning:
 - 1. Basis of Measurement: By each.
 - 2. Basis of Payment: Includes cleaning manhole with high velocity water jet, removal of roots, and removable of debris.

- B. Manhole Sealing:
 - 1. Basis of Measurement: By each.
 - 2. Basis of Payment: Includes investigation to determine leaks, grouting leaks, and Work required to seal manhole.

1.3 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

- A. ASTM International:
 - 1. ASTM C33 - Standard Specification for Concrete Aggregates.
 - 2. ASTM C150 - Standard Specification for Portland Cement.

1.4 SUBMITTALS

Only request submittals needed to verify compliance with Project requirements.

- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Requirements for submittals.

- B. Shop Drawings: Indicate [_____].

- C. Product Data: Submit product data on grout and sealant and [_____].

- D. Test Reports: Indicate [vacuum testing results] [exfiltration testing results].

- E. Manufacturer's Certificate: Certify [Products] [_____] meet or exceed [specified requirements] [_____].

1.5 SUSTAINABLE DESIGN SUBMITTALS

- A. Section 01 81 13 - Sustainable Design Requirements {01351 - Sustainable Project Requirements}: Requirements for sustainable design submittals.

- B. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.