

SECTION 33 01 34 {02956}

SEWER AND PIPE JOINT SEALING

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This section includes testing and sealing of sewer pipe joints.

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](http://www.4specs.com), ARCAT at [www.arcats.com](http://www.arcats.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://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](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:

1. Pipe cleaning and flushing.
2. Plugging.
3. Bypassing sewage.
4. Joint testing.
5. Joint sealing.

B. Related Sections:

1. Section 33 01 31 - Manhole Grade Adjustment.
2. Section 33 01 33 - TV Inspection of Sewer Pipelines.
3. Section 33 01 35 - Manhole Grout Sealing.

C. Related Sections:

1. Section 02281 - Manhole Grade Adjustment.
2. Section 02951 - TV Inspection of Pipelines.
3. Section 02958 - Manhole Grout Sealing.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

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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.

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- A. Sewer Pipe Joint Sealing:
  - 1. Basis of Measurement: By each.
  - 2. Basis of Payment: Includes joint testing and joint sealing.
  
- B. TV Inspection of Sewer Pipelines:
  - 1. Basis of Measurement: By linear [foot] [\_\_\_\_\_] (linear [meter] [\_\_\_\_\_]).
  - 2. Basis of Payment: Includes pipeline flushing and cleaning, bypass pumping, TV inspection and audio/video taping of pipeline.

### 1.3 REFERENCES

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

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

### 1.4 SUBMITTALS

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Only request submittals needed to verify compliance with Project requirements.

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- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Requirements for submittals.
  
- B. Product Data: Submit sealant and root growth inhibitor data.
  
- C. Reports:
  - 1. Submit in triplicate, weekly report with daily entries showing:
    - a. Location of joints sealed and successfully tested.
    - b. Results of air or liquid joint tests before and after sealing joints.
    - c. Volume of joint sealant or joint sealant/root treatment additive pumped.
    - d. Number of pounds (kilograms) of acrylamide and N, N-methylenebisacrylamide mixture, pounds (kilograms) pounds of ammonium persulfate, and gallons (liters) of root treatment additive material used each day including gallons (liters) of triethalonamine (TEA), height of ground water.
    - e. Location of pipe fractures and misalignment.
    - f. Location of leaking joints, including non-leaking joints failing in air test.
    - g. Location of connections discharging continuous flow or incorrectly connected to sewer main.
  - 2. Submit weekly reports on form approved by Architect/Engineer prior to start of testing and sealing.