

SECTION 02 57 00 {02255}  
SINKHOLE REMEDIATION  
{SINKHOLE REMEDIAL PROCEDURES}

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This section includes sinkhole remedial procedures.

This section includes provision for work performed using unit price payment method, when applicable.

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.arcata.com](http://www.arcata.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. Excavating earth from within and adjacent to collapsed or otherwise detected sinkholes and natural subsurface openings.
2. Placing concrete in bedrock openings.
3. Placing grout in bedrock openings.
4. Backfilling excavations to [natural ground elevation] [to grade as indicated on Drawings].

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List sections specifying installation of products included in this section and indicate specific items.

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#### B. Related Sections:

1. Document 00 31 00 - Available Project Information: Geotechnical report and soils boring logs.
2. Section 03 30 00 - Cast-In-Place Concrete.
3. Section 03 60 00 - Grouting.
4. Section 31 05 13 - Soils for Earthwork: Stockpiling excavated materials.
5. Section 31 05 16 - Aggregates for Earthwork: Stockpiling excavated materials.
6. Section 31 10 00 - Site Clearing.
7. Section 31 23 16 - Excavation.

- 8. Section 31 23 17 - Trenching.
- 9. Section 31 23 23 - Fill.

C. Related Sections:

- 1. Document 00300 - Information Available to Bidders: Geotechnical report and soils boring logs.
- 2. Section 02055 - Soils for Earthwork: Stockpiling excavated materials.
- 3. Section 02060 - Aggregates for Earthwork: Stockpiling excavated materials.
- 4. Section 02230 - Site Clearing.
- 5. Section 02315 - Excavation and Fill.
- 6. Section 02320 - Backfill.
- 7. Section 02324 - Trenching.
- 8. Section 03300 - Cast-in-Place Concrete.
- 9. Section 03600 - Grout.

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. Excavation and Backfill:

- 1. Basis of Measurement: By cubic yard (cubic meter).
- 2. Basis of Payment: Includes excavation and backfill.

B. Concrete:

- 1. Basis of Measurement: By cubic yard (cubic meter).
- 2. Basis of Payment: Includes concrete for plugging.

C. Grout:

- 1. Basis of Measurement: By cubic yard (cubic meter).
- 2. Basis of Payment: Includes grout for plugging.

D. Geotextile Fabric:

- 1. Basis of Measurement: By square yard (square meter).
- 2. Basis of Payment: Includes geotextile fabric.

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 C150 - Standard Specification for Portland Cement.
- 2. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar.
- 3. ASTM D4355 - Standard Test Method for Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc Type Apparatus.