

**STATEMENT OF WORK**  
**Karst Sinkhole Treatment (527)**  
**TENNESSEE**

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

**DESIGN****Deliverables**

1. Design documentation that will demonstrate that the criteria in the NRCS practice standard have been met and are compatible with other planned and applied practices.
  - a. Practice purpose(s) as identified in the conservation plan.
  - b. Impacts on adjacent properties and structures
  - c. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.06).
  - d. Practice standard criteria related to computations and analyses to develop plans and specifications, including, but not limited to:
    - i. Hydrogeology.
    - ii. Sediment Removal.
    - iii. Materials.
    - iv. Vegetation
    - v. Environmental considerations (e.g. water quantity and quality, debris removal and disposal).
  - f. Evaluation and completion of TN-CPA-52, Environmental Effects for Conservation Area-wide Plans.
2. Written plans and specifications, include sketches and drawings, shall be provided to the client that adequately describes the requirements to install the practice.
3. Operation and Maintenance Plan.
4. Certification that the design meets practice standard criteria and complies with applicable laws and regulations, [NEM Subpart A, 505.03(b)(2)].
5. Design modifications during installation, as required

**INSTALLATION****Deliverables**

1. Pre-installation conference with client and contractor.
2. Staking and layout according to plans and specifications, including applicable layout notes.
3. Installation inspection.
  - a. Actual materials used.
  - b. Inspection records.
4. Facilitate and implement required design modifications with client and original designer.
5. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
6. Certification that the installation process and materials meet design requirements [NEM Subpart A, 505.03(c)(1)].

**CHECK OUT****Deliverables**

1. As-built documentation.
  - a. Extent of practice units applied.
  - b. Drawings.
  - c. Final quantities.
  - d. Adequacy of vegetation.
  - e. Other pertinent data.
2. Certification that the installation meets NRCS standards and specifications (NEM Subpart A, 505.03(c)(1)).
3. Progress reporting.

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**REFERENCES**

- NRCS Technical Field Office Technical Guide (e-FOTG), Section IV, Conservation Practice Standard – Karst Sinkhole Treatment (527)
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook.
- NRCS Cultural Resource Handbook.