

STATEMENT OF WORK
Karst Sinkhole Treatment (527)
Florida

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 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. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (M_210_NEM_503_A-Safety, Engineering Activities Affecting Utilities, 503.00 through 503.6)
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Florida Supplement, National Engineering Field Handbook (NEFH), Part 650, Chapter 1
 - ii. Location of the planned Karst sinkhole treatment
 - iii. Geology and Soil Mechanics (M_210_NEM_531_A-Geology, Geologic Investigations)
 - iv. Hydrology/Hydraulics
 - v. Structural
 - vi. Environmental Considerations
 - vii. Vegetation
 - viii. Safety Considerations (M_210_NEM_503_A-Safety, Engineering Activities Affecting Utilities, 503.10 through 503.12)
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements (location, materials, extent, etc.) to install the practice and obtain necessary permits (Florida Supplement, NEFH, Part 650, Chapter 1).
3. Design Report and Inspection Plan as appropriate (M_210_NEM_511_B- Design, Documentation, 511.11) and (M_210_NEM_512_D-Construction, Quality Assurance Activities, 512.30 through 512.32).
4. Identify fields where practice will be applied on a farm or ranch plan map.
5. Operation and Maintenance Plan.
6. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (M_210_NEM_505_A-Non-NRCS Engineering Service, Introduction, 505.3 and Florida Supplement, NEFH, Part 650, Chapter 1).
7. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
4. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used (M_210_NEM_512_D-Construction, Quality Assurance Activities, 512.33)
 - b. Inspection records
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements.

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CHECK OUT

Deliverables

1. Check out notes as specified in the Florida Supplement, NEFH, Part 650, Chapter 1
2. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (M_210_NEM_505_A-Non-NRCS Engineering Service, Introduction, 505.3.C.(1)).
3. Exit conference with client and contractor.
4. Progress reporting.

REFERENCES

- Florida NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Karst Sinkhole Treatment, 527
- Florida Supplement, NEFH, part 650, Chapter 1, Procedure for Documenting, Planning, Design, construction, and Checkout of Engineering Conservation Practices
- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Karst Sinkhole Treatment (527)
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

STATE CONTACT

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