

STATEMENT OF WORK
Shallow Water Development and Management (646)
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 NRCS practice standard have been met and are compatible with other planned and applied practices.
2. Practice purpose(s) as identified in the conservation plan.
3. List of required permits to be obtained by the client.
4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). Tennessee One Call notification at number 811 is client's responsibility.
5. List of facilitating practices. (i.e. dike (356), critical area planting (342) structure for water control (587)).
6. Practice standard criteria-related inventories and analyses to develop shallow water management plans for targeted wildlife species and specifications including but not limited to:
 - a. Geology and Soil Mechanics (NEM, Subpart 531a, NEH Part 651, AWMFH, Appendix 10d).
 - b. Hydrology/hydraulics.
 - c. Structural
 - d. Vegetation.
 - e. Environmental considerations.
7. Environmental evaluation and completion of TN-CPA-52.
8. Written plans and specifications shall be provided to the client that adequately describe the requirements to install the practice including:
 - a. Location and vicinity map.
 - b. Sketches and drawings.
 - c. Plan view, with contours, if applicable.
 - d. Profiles, if applicable.
 - e. Cross sections, if applicable.
 - f. Construction specifications.
 - g. Quantity and cost estimates.
 - h. Appropriate signatures.
9. Plans and specifications shall be developed on the implementation requirements sheet in accordance with the conservation practice standard Shallow Water Management for Wildlife (Code 646).
10. Documentation of discussion of operation and maintenance plan in assistance notes.
11. Certification that the design meets practice standard criteria and complies with applicable laws, regulations, and program guidelines (NEM Subpart A, 505.03 (a)(3)).
12. 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 (according to inspection plan, as appropriate).
 - a. Actual materials used (Part 512, Subchapter D, Quality Assurance Activities, 512.33)
 - 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. Verification that client has obtained required permits.
7. Application assistance.
8. Certification that the application process and materials meets design, permit, and applicable program requirements.

STATEMENT OF WORK
Shallow Water Development and Management (646)
TENNESSEE

CHECK OUT

Deliverables

1. As-built documentation.
 - a. Extent of practice units applied.
 - b. Drawings.
 - c. Final quantity.
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits and applicable program requirements.
3. Progress reporting.

REFERENCES

- NRCS Tennessee Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Critical Area Planting (342), Dike (356), Shallow Water Management for Wildlife (646) and Structure for Water Control (587), as applicable.
- NRCS National Engineering Manual (NEM).
- National Engineering Handbook, Chapter 6 (Structures).
- National Engineering Handbook, Chapter 13 (Wetland Restoration, Enhancement and Creation).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- NRCS National Biology Manual
- NRCS National Biology Handbook
- Tennessee Environmental Permitting Handbook