

STATEMENT OF WORK
Watering Facility (614)
TENNESSEE

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

DESIGN

Deliverables:

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned and applied practices:
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required (applicable) permits to be obtained by the client (e.g. 404, ARAP, TVA26A).
 - c. List of required and/or facilitating practices (e.g. Heavy Use Area Protection 561, Fence 382).
 - d. Practice standard criteria-related computations and analyses to develop plans and specifications including those applicable, but not limited to:
 - i. Water source.
 - ii. Capacity: number and class of animals, water consumption needs per day.
 - iii. Size, type, length, and elevation of pipeline.
 - iv. Type of trough (i.e. open tank, ball type waterer).
 - v. Required minimum pump and pressure tank.
 - vi. Climatic considerations (e.g. freezing).
 - vii. Estimated paddock size needed for desired rotation (See Tennessee Technical Note TN-26).
 - viii. Wildlife considerations including size, distance between, number of escape ramps, etc.
 - ix. Environmental considerations, including a resource inventory and environmental evaluation supported by a completed NRCS-CPA-52.
2. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.22). Check with local utility for required backflow prevention device. Tennessee One Call notification at 811 is client's responsibility.
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describe the requirements to install the practice and obtain necessary permits.
4. Identify practice locations in fields where practice is to be applied on a farm plan map.
5. Operation and maintenance plan, or documentation of operation and maintenance requirements in assistance notes.
6. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Subpart A, 505.03(b)(2)).
7. Design modifications during installation as applicable.

INSTALLATION

Deliverables

1. Documentation of pre-installation conference with client and contractor.
2. Verification that client has obtained all required permits if applicable.
3. Documentation of staking and layout according to plans and specifications including applicable layout notes.
4. Installation inspection.
 - a. Actual materials used.
 - b. Inspection records.
5. Design modification, if applicable, with facilitation and implementation approval from 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 (NEM Subpart A, 505.03(c)(1)).

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CHECK OUT

Deliverables

1. As-built documentation.
 - a. Extent of practice units applied (GPS is preferred method of recording units applied).
 - b. Drawings.
 - c. Final quantities.
2. Certification that the installation meets NRCS standards and specifications, and is in compliance with permit conditions required if applicable.
3. TechPRS progress report printout at <http://techprs.sc.egov.usda.gov>.
4. Photo documentation recommended.

REFERENCES

- NRCS Tennessee Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard-Watering Facility (614).
- NRCS National Environmental Compliance Handbook.
- NRCS National Engineering Manual.
- NRCS Cultural Resources Handbook.