

STATEMENT OF WORK
Subsurface Drain (606)
Kansas
June 2014

State contact: State Conservation Engineer, 785-823-4534

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 Natural Resources Conservation Service (NRCS) practice standard has been met and is compatible with other planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan and compliance with wetland conservation policies
 - b. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy ([National Engineering Manual \[NEM\] Sections 503.0 through 503.6](#) and [NEM Part KS503](#))
 - d. Practice standard criteria-related computations and analyses to develop plans and specifications including, but not be limited to, the following:
 - i. Hydrology/hydraulics
 - ii. Location
 - iii. Outlet capacity and stability
 - iv. Materials
2. 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.
3. Design report and inspection plan as appropriate [NEM Sections 511.11](#) and [512.30 through 512.32](#) and [NEM Section KS512.32](#)).
4. Operation and maintenance plan.
5. Construction quality assurance plan (as appropriate) to include, but not be limited to, the following items:
 - a. General description of work
 - b. Items of work requiring inspection or testing
 - c. Timing of inspections or tests
 - d. Skills or certifications required by inspectors
6. Certification that the design meets practice standard criteria and complies with applicable laws and regulations ([NEM Section 505.3B\(2\)](#)). For jobs completed by NRCS employees, include an approval signature on the drawings of the individual with engineering job approval authority as delegated on [Form KS-CPA-1, Kansas Practice Approval Certification](#).
7. Itemized cost estimate and list of materials.
8. Design modifications during installation as required.
9. If enrolled in a conservation program, this practice must meet all conditions and requirements of program enrollment that may exceed the practice standard.

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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 the inspection plan as appropriate).
 - a. Actual materials used ([NEM Section 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 and regulations and NRCS policies during installation, especially wetland compliance.
7. Certification that the installation process and materials meet design and permit requirements ([NEM Section 505.3C\(1\)](#)).

CHECKOUT

Deliverables

1. As-built documentation.
 - a. Extent of practice units applied (Use the [Technical Service Provider Performance Worksheet](#) or equivalent)
 - b. Drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits ([NEM Section 505.3C\(1\)](#)).

REFERENCES

- NRCS electronic Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard 606, Subsurface Drain
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook