

**STATEMENT OF WORK (SOW)
VEGETATED TREATMENT AREA (635)
SOUTH DAKOTA
CONTACT: JAY COBB (605) 352-1260**

These deliverables apply to this individual practice. For other planned practice deliverables, refer to those specific SOWs.

DESIGN

Deliverables

1. Conduct pre-design meeting with client and Natural Resources Conservation Service (NRCS) representative. Complete and sign South Dakota (SD) NRCS Pre-design Meeting Checklist. (Example: SD NRCS Pre-design Meeting Checklist.)
2. Design documentation that will demonstrate that the criteria in NRCS practice standards 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. (Examples: SD Department of Environment and Natural Resources (DENR) permits, county zoning permit.)
 - c. Compliance with NRCS national and state utility safety policy (National Engineering Manual (NEM), Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). (Example: SD One-Call ticket number.)
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Geology and Soil Mechanics (NEM, Subpart 531a). (Example: Soil log and testing reports.)
 - ii. Maximize Clean Water Diversion. (Example: Diversion (362) capacity calculations.)
 - iii. Hydraulic Loading Rate.
 - iv. Environmental Considerations. (e.g., location, air, and water quality.)
 - v. Vegetation.
3. Sufficient copies of written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits. (Examples: Plans, specifications, construction notes, construction details, etc.)
4. Design Report and Inspection Plan as appropriate (NEM, Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32). (Example: Inspection Plan and the Design Report.)
5. Operation and Maintenance (O&M) Plan. (Example: O&M Plan.)
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM, Subpart A, 505.03(b)(2)). (Examples: Certification statement indicating the project meets NRCS standards; a letter from SD DENR approving plans and specifications for the project under the General Water Pollution Control Permit for Concentrated Animal Feeding Operations; documentation of approval for construction from county zoning authority, etc.)
7. Develop and sign an engineer's cost estimate based on project quantities. Provide revised cost estimates in the event of changes to project quantities or completion of final design. (Example: Signed cost estimate.)
8. Develop a list of practices for the project that includes the practice unit and extent. Provide a revised list of practices, practice units, and extents in the event of changes to these values or completion of the final design. (Example: SD NRCS Practice Payment Spreadsheet for appropriate year.)
9. Provide an anticipated installation schedule. (Example: Construction Schedule.)
10. At any point when the practices or practice extents change for the project, the Technical Service Provider (TSP) must immediately provide the NRCS representative with a revised *Environmental Quality Incentives Program (EQIP) Payment Unit and Technical Service Payment Unit Worksheet* prior to any construction activity associated with the change. The NRCS representative will promptly modify the contract with these new practices/practice extents if the change is within policy and funding is available. (Example: Provide a revised SD NRCS Practice Payment Spreadsheet prior to any construction changes being constructed.)

INSTALLATION

Deliverables

1. Conduct a preconstruction meeting with client, contractor, and NRCS representative. Complete and sign SD NRCS Preconstruction Meeting Checklist. (Example: SD NRCS Preconstruction Meeting Checklist.)
2. Verification that client has obtained required permits. (Examples: Documentation of approval for construction from county zoning authority.)
3. Staking and layout according to plans and specifications including applicable layout notes. (Example: Construction staking and layout survey notes and plans.)

4. Installation inspection (according to inspection plan):
 - a. Actual materials used (NEM, Part 512, Subpart D, Quality Assurance Reviews, 512.33).
 - b. Inspection records.
5. Specific detailed requirements for waste storage facility installation are outlined in the SD Engineering and Spot-Checking Manual (SDEDSM), under the Waste Management Structure Practice Requirements. Where specific forms or job sheets are mentioned in the SDEDSM, an equivalent may be substituted. The guidance contained in this manual shall be considered as the minimum acceptable for this practice.
6. At any point when the practices or practice extents change for the project, the TSP must immediately provide the NRCS representative with a revised *EQIP Payment Unit and Technical Service Payment Unit Worksheet* prior to any construction activity associated with the change. The NRCS representative will promptly modify the contract with these new practices/practice extents if the change is within policy and funding is available. (Example: Provide a revised SD NRCS Practice Payment Spreadsheet prior to any construction changes being constructed)
7. Advise client/NRCS on compliance issues with all federal, state, Tribal, and local laws, regulations, and NRCS policies during installation.

CHECK OUT

Deliverables

1. As-Built documentation:
 - a. Extent of practice units applied.
 - b. Drawings.
 - c. Final quantities.
 - d. Final *EQIP Payment Unit and Technical Service Payment Unit Worksheet*.
2. Certification that the installation and materials meets NRCS standards and specifications (*signed Warranty of Technical Services Provided Form*) and is in compliance with permits (NEM, Subpart A, 505.03(c)(1)). (Examples: Documentation of obtaining a county zoning permit, signed Warranty of Technical Services Provided Form.)

REFERENCES

- SD Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Vegetated Treatment Area - 635.
- NRCS NEM
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- SDEDSM