

STATEMENT OF WORK
Wastewater and Feedlot Runoff Control (784)
Minnesota

Note: The 784 practice is a Minnesota Interim Standard which includes several approaches to pollution abatement. These deliverables apply to roof structures for pollution abatement and feedlot runoff control implemented under this practice. For Waste Storage Facilities such as tanks and ponds implemented under 784, see the Statement of Work for Practice 313, Waste Storage Facility. For Filter Strips implemented under 784, see practice 635, Wastewater Treatment Strip. 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. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). This requires that a Gopher State One-Call advisory be placed on the plans. The required wording is: "BEFORE START OF CONSTRUCTION, THE OWNERS OF ANY UTILITIES INVOLVED MUST BE NOTIFIED. THE EXCAVATOR IS RESPONSIBLE FOR GIVING THIS NOTICE BY CALLING "GOPHER STATE ONE-CALL" AT (651) 454-0002 (TWIN CITIES METRO AREA) OR (800) 252-1166 (ALL OTHER LOCATIONS) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION".
 - b. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Soil Investigation to determine bearing strength. When presumptive values are used rather than computed strengths, provide soil description that this value is based upon.
 - ii. Structural (wind and snow loads), Mechanical and Appurtenances.
 - iii. Roof water and other clean water diversion, conveyance, and outlet.
 - iv. Stray voltage considerations, if applicable, to meet National Electric Code.
2. Adequate plan view, profiles, cross sections, details, and specifications to ensure that the project can be properly constructed and secure permits.
 - a. A plan view of the site which includes but is not limited to the following items:
 - i. Location of outdoor lots and practices to be installed
 - ii. Soil boring/investigation locations
 - iii. Water well locations
 - iv. Any outdoor lots or storage facilities to be abandoned
 - v. Adequate topographic detail to show how clean and contaminated runoff will be addressed when this is a factor on the design
 - vi. NOTE: Building plans engineered and sealed by a building company may be incorporated by reference, however verification of foundation requirements must be provided. The designer is responsible to ensure that foundation requirements have been verified.
3. 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 512.33)
 - a. Design report shall include, but is not limited to the following:
 - i. Summary of project objectives and work to be completed.
 - ii. List associated practices and quantities of each which are included in the producer's EQIP contract and utilized as part of this plan.
 - iii. Current and planned animal numbers, storage period, waste characteristics and storage or stockpile locations and requirements.
 - iv. Structural design and loadings for roof structures including soil bearing strength requirements.
 - b. The inspection plan must describe the type and frequency of testing and inspection and the qualifications of the person doing the work. If construction will be performed by a building company utilizing their own design and installers and will provide a warranty, state this and require a copy of the warranty and a letter of certification after construction. In this instance, actual construction inspection by the site designer is not required. However, foundation requirements must be verified during construction by a qualified person identified in the inspection plan.
4. Operation and Maintenance Plan
5. Certifications that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Subpart A, 505.03(b)(2)).
6. Design modifications during installation as required.

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7. Itemized Engineer's Cost Estimate. The itemized estimate must separate the roof structure from any non-cost shared items which may be shown on the plan at the request of the producer.

INSTALLATION

Deliverables

1. Documentation of pre-construction conference with client and contractor.
2. Verification that client has obtained any required permits.
3. Staking and layout according to drawings and specifications including applicable layout notes.
4. Installation inspection according to the inspection plan including verification of foundation conditions.
5. When installation is performed by a building company using their own design and installers, and providing a warranty, a letter of certification from the building company.
6. Facilitate required design or cost modifications with client, original designer, permitting and funding agencies.
7. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
8. Certification that the installation process and materials meet design and permit requirements.

CHECK OUT

Deliverables

1. 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 (NEM Subpart A, 505.03(c)(1)).
3. Completion report in accordance with permit requirements.
4. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Waste Storage Facility, 313.
- NRCS Agricultural Waste Management Field Handbook (AWMFH)
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook