

STATEMENT OF WORK Grassed Waterway (412)

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 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 permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06)
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrology/hydraulics
 - ii. Outlet capacity and stability
 - iii. Seedbed preparation, soil amendments and vegetation requirements
2. 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. Plans and specification shall be developed in accordance with the requirements of conservation practice standard Grassed Waterway (Code 412).
3. Operation and maintenance plan
4. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.3 (a) (3)).
5. Design modifications during installation as required
6. Documentation needed for the practice depends on the specific conditions at the site where it will be installed. However in New Mexico, the minimum required documentation is: Design discharge, length, profile, cross sections, width, depth, and seeding mix and rate. If riprap, subsurface drains, or temporarily measures (during vegetation establishment) are required, appropriate design and layout information is needed.
7. NM-ENG-121 may be used to assist in system design.
8. The local SWCD can help identify local permits and regulatory requirements. (Refer to Item 1.b above)

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
 - a. Actual materials used
 - 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, regulations and NRCS policies during installation
7. Certification that the installation process and materials meets design and permit requirements
8. Information required by Design Deliverable Item 6, as a minimum, must be collected. This is especially true for work that cannot be observed once installation is complete.

CHECK OUT/RECORDS OF IMPLEMENTATION

Deliverables:

1. As-built documentation
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities

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2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.3 (c) (1)).
3. Progress reporting.
4. As a minimum, all Design Deliverable Item 6 requirements shall be measured, photographed, or documented to show that the installed practice meets the standard, specification, and design requirements.

REFERENCES

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard –Grassed Waterway, 412
- National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook