

STATEMENT OF WORK
GRADE STABILIZATION STRUCTURE (410)
Minnesota

These deliverables are the minimum requirements that apply to this individual practice. Service providers (TSP or other) shall prepare and document deliverables for the Design, Installation and Checkout sections and submit deliverables to both the landowner and NRCS.

DESIGN

Deliverables:

1. Provide design documentation demonstrating compliance with the criteria in NRCS practice standard and compatibility with other planned and applied practices.
 - a. Identify practice purpose(s) in accordance with the conservation plan
 - b. Provide a list of required permits to be obtained by the client
 - c. Assure 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. Provide practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hazard Class (NEM Part 520; Subpart C-Dams)
 - ii. Geology and Soil Mechanics (NEM Part 531-Geology;NEM Part 533 – Soil Engineering)
 - iii. Hydrology/Hydraulics (NEM Part 530-Hydrology)
 - iv. Structural (NEM Part 536-Structural Design)
 - v. Vegetation
 - vi. Environmental Considerations
 - vii. Safety Considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12)
2. Provide written plans and specifications, including sketches and drawings, to the client that adequately describes the requirements to install the practice and obtain necessary permits...
3. Provide Design Report and Quality Assurance Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512-Construction, Subpart D-Quality Assurance Activities, 512.30 through 512.32).
4. Provide Operation and Maintenance Plan
5. Provide certification that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Part 501 Subpart A, or Part 505 Subpart A).
6. Provide design modifications during installation as required.

INSTALLATION

Deliverables

1. Conduct a pre Installation conference with client and contractor.
2. Verify that client has obtained required permits.
3. Stake and layout the practice according to plans and specifications, including applicable layout notes.
4. Provide quality assurance of installation (according to Quality Assurance plan as appropriate).
 - a. Actual materials used (Part 512, Subchapter D Quality Assurance Activities, 512.33)
 - b. Quality Assurance 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.

**STATEMENT OF WORK
GRADE STABILIZATION STRUCTURE (410)
Minnesota**

CHECK OUT

Deliverables

1. Provide as-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Provide certification that the installation meets NRCS standards and specifications and complies with permits (NEM Part 501 Subpart A, or Part 505 Subpart A).
3. Report progress.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Grade Stabilization Structure, 410
- NRCS National Engineering Manual (NEM).
- NRCS Technical Release 60, Earth Dams and Reservoirs
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook