



**STATEMENT OF WORK**  
**Channel Bed Stabilization (584)**  
**West Virginia**

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

**DESIGN**

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**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. Practice purpose(s) as identified in the conservation plan
  - b. List of required permits to be obtained by the client (**WVENG\_GI\_PERMITS**).
  - c. Compliance with NRCS national and state utility safety (M\_210\_NEM\_503\_A-Safety, Engineering Activities Affecting Utilities, 503.00 through 503.6)
  - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Geology and Soil Mechanics (M\_210\_NEM\_531\_A-Geology, Geologic Investigations)
    - ii. Hydrology/Hydraulics
    - iii. Structural
    - iv. Environmental Considerations
    - v. **Water Quality**
    - vi. Vegetation
    - vii. Safety Considerations (M\_210\_NEM\_503\_A-Safety, Engineering Activities Affecting Utilities, 503.10 through 503.12)
  - e. **Compliance with NRCS Cultural Resources Policy (GM Title 420 Part 401).**
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. **Follow the requirements in "Documentation and Certification for Engineering Practices" located in the FOTG Section IV.**
3. Design Report and Inspection Plan as appropriate (M\_210\_NEM\_511\_B- Design, Documentation, 511.11 and M\_210\_NEM\_512\_D-Construction, Quality Assurance Activities, 512.30 through 512.32).
4. Operation and Maintenance Plan
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (M\_210\_NEM\_505\_A-Non-NRCS Engineering Service, Introduction, 505.3).
6. Design modifications during installation as required.
  - a. **Modifications will be in compliance with practice standard(s) and applicable criteria for the intended purpose(s).**
  - b. **Approval will be obtained from the designer (with job approval authority) prior to implementation.**
  - c. **Client's decisions will be documented using narrative and/or jobsheet.**

**INSTALLATION**

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**Deliverables**

1. Pre Installation conference with client and contractor.
  - a. **Verification of Pre Construction Conference signature sheet "WVENG\_GI\_PCC".**
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.



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4. Installation inspection (according to inspection plan as appropriate).
  - a. Actual materials **and quantity of materials** used (M\_210\_NEM\_512\_D-Construction, Quality Assurance Activities, 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, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements (**NEM Subpart A, 505.03(c)(1)**).

**CHECK OUT**

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**Deliverables**

1. As-Built documentation.
  - a. Extent of practice units applied
  - b. Drawings: **"Red-line" drawings (NEM Part 512, Subpart F, As-builts, 512.50 through 512.52)**
    - i. **Materials installed not shown on drawings**
  - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits ((M\_210\_NEM\_505\_A-Non-NRCS Engineering Service, Introduction, 505.3.C.(1)).
  - a. **Letter of certification or appropriate NRCS form may be used for documentation purposes.**
3. Progress reporting.

**REFERENCES**

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- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Channel Bed Stabilization, 584
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- **NRCS National Engineering Field Handbook**