



STATEMENT OF WORK

Open Channel (582)

West Virginia

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

DESIGN

Deliverables:

1. Provide design documentation demonstrating compliance with the criteria in NRCS practice standard and compatibility 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. Impacts on adjacent properties and structures.
 - d. 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).
 - e. Provide practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrology/Hydraulics and Appurtenance Design
 - ii. Channel Stability
 - iii. Vegetation and Erosion Control
 - f. **Compliance with NRCS Cultural Resources Policy (GM Title 420 Part 401).**
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. **Follow the requirements in "Documentation and Certification for Engineering Practices" located in the FOTG Section IV.**
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- Authorizations, Subpart A-Review and Approval, 501.3).
6. Provide 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

Deliverables

1. Pre Installation conference with client and contractor.
 - a. **Verification of Pre Construction Conference signature sheet "WVENG_GI_PCC".**
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 **and quantity of materials** used (Part 512, Subchapter D Quality Assurance Activities, 512.33)
 - b. Quality Assurance records



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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

Deliverables

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings: **"Red-line" drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52)**
 - i. **Materials installed not shown on drawings**
 - c. Final quantities
2. Provide certification that the installation meets NRCS standards and specifications and complies with permits (NEM Part 501-Authorizations, Subpart A-Review and Approval, 501.3).
3. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Open Channel, ~~580~~ 582.
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- **NRCS National Engineering Field Handbook**