

STATEMENT OF WORK
Water Well (642)
West Virginia

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

DESIGN

Deliverables:

1. Design documentation that demonstrates that the criteria in the NRCS conservation practice standard have been met and are compatible with other planned and applied practices. Include:
 - a. Identification of client needs, documentation of discussion with client, and a recommended method of resolution.
 - b. Practice purpose(s) as identified in the conservation plan.
 - c. Location of planned practice installation shown on a farm or ranch plan map.
 - d. List of required permits to be obtained by the client.
 - e. Impacts on adjacent properties and structures.
 - f. Certification of compliance with NRCS national and state utility safety policy (NEM Part 503 - Safety, Subpart A - Engineering Activities Affecting Utilities, 503.0 through 503.6).
 - g. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrogeology/ **Hydraulics**
 - ii. **Structural Component and Material Appurtenances**
 - iii. Wellhead Location and Protection
 - iv. Materials
 - v. Environmental Considerations (e.g. water quality)
2. Written plans and specifications, including sketches and drawings, that adequately describe the requirements to install the practice and to obtain necessary permits. **Follow the requirements in "Documentation and Certification for Engineering Practices" located in FOTG Section IV.**
3. Design Report as appropriate (NEM Part 511 - Design, Subpart B - Documentation, 511.10 and 511.11).
4. Quality Assurance Plan (NEM Part 512 - Construction, Subpart D - Quality Assurance Activities, 512.30 through 512.33).
5. Operation and Maintenance Plan.
6. Certification that the design meets NRCS standards and specifications and is in compliance with applicable laws and regulations (NEM Part 505 - Non-NRCS Engineering Services, Subpart A - Introduction, 505.0 and 505.3).

Note:

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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 (NEM Part 512 - Construction, Subpart C – Evaluation of Construction Materials, 512.20 through 512.23; Subpart D - Quality Assurance Activities, 512.33).
 - b. Inspection records
 - i. **Date of completion**
 - ii. **Name, title, and address of certified well driller or operator responsible for decommissioning**
 - iii. **Depth and static water level measured from ground surface at time of construction.**
 - iv. **Well capacity**
 - v. **ID of well casing, length of casing, length of screening, etc.**
 - c. Document compliance with Quality Assurance Plan.
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.

Note:

CHECK OUT

Deliverables

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. "Red-line" drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52)
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3) **and DHHR requirements.**
3. Progress reporting.

Note:

REFERENCES

- WV NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Water Well, 642.
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- **NRCS Engineering Field Handbook**
- **NRCS National Engineering Handbook, Part 631, Chapter 33 – Groundwater Recharge**
- **WV Legislative Rule 64 – CSR 15, 19, and 46, <http://www.wvdhhr.org/phs/water/>**

Note: