

**STATEMENT OF WORK**  
**Irrigation Water Management (449)**  
**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 documents that demonstrate criteria in NRCS 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. List of facilitating practices
  - e. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
    - i. Volume of water (per irrigation & per season)
    - ii. Frequency of irrigation
    - iii. Application rate
    - iv. Environmental considerations
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 FOTG Section IV.**
3. Operation and maintenance plan.
4. Certification that the design meets practice standard criteria and comply with applicable laws and regulations.
5. Design modifications during installation as required.

Note:

## INSTALLATION

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### Deliverables

1. Pre-installation conference with client.
2. Verification that client has obtained required permits.
3. Staking and layout of measures according to plans and specifications including applicable layout notes.
4. Installation guidance as needed.
  - a. **Actual materials used (NEM Part 512, Subpart D 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 meet design and permit requirements.

Note:

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**CHECK OUT**

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**Deliverables**

1. Records of installation.
  - a. Extent of practice units applied
  - b. Actual amount of water applied during the growing season
2. ***“Red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52)***
3. Certification that the application meets NRCS standards and specifications and is in compliance with permits.
4. Progress reporting.

Note:

**REFERENCES**

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- ***WV NRCS Field Office Technical Guide, Irrigation Water Management, 449***
- NRCS National Engineering Handbook, part 652, National Irrigation Guide
- NRCS National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- ***NRCS Engineering Field Handbook***

Note: