

STATEMENT OF WORK
Irrigation Water Management (449)
Michigan

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

DESIGN**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. List of facilitating practices
 - d. Practice standard criteria-related computations and analyses to develop plans and specifications including, but not limited to:
 - i. Volume of water (per irrigation and per season)
 - ii. Frequency of irrigation
 - iii. Maximum application rate
 - iv. Environmental considerations
 - v. Crop to be irrigated
 - vi. Soil type
 - vii. Special soil conditions
 - viii. Percent slope range
 - ix. Irrigation adjustment if applicable
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describe the requirements to install the practice and obtain necessary permits.
3. Operation and maintenance plan.
4. Certification that the design meets practice standard criteria and complies with applicable laws and regulations. The NRCS MI Irrigation Water Management to Protect Ag Resources Conservation Management Sheet 449 or equivalent documentation will be used along with a cost estimate for material and installation.
5. Design modifications during installation as required.

INSTALLATION**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.
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.

CHECK OUT**Deliverables**

1. Records of installation.
 - a. Extent of practice units applied
 - b. Actual amount of water applied during the growing season
2. Certification that the application meets NRCS standards and specifications and is in compliance with permits.
3. Progress reporting.

REFERENCES

- 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 MI Irrigation Guide
- NRCS MI Irrigation Water Management to Protect Ag Resources
- MSUE Irrigation Scheduler Computer Program CP027-3