

**STATEMENT OF WORK**  
**Irrigation Water Management (449)**

**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 Florida NRCS practice standard Irrigation Water management, Code 449 have been met and are compatible with other planned and applied practices to include the following;
  - a. Practice purpose(s) as identified in the conservation plan
  - b. List of required permits to be obtained by the client and regulations to be met.
  - c. List of facilitating practices.
  - d. Practice standard criteria-related computations and analyses to develop an irrigation water management (IWM) plan and specifications including but not limited to:
    - i. Florida Supplement, National Engineering Field Handbook (NEFH), Part 650, Chapter 1
    - ii. Soil type and water holding capacity.
    - iii. Crop consumptive use.
    - iv. Volume of water (per irrigation & per season)
    - v. Frequency of irrigation
    - vi. Application rate
    - vii. Environmental considerations
2. Written plans and specifications including as necessary sketches and drawings shall be provided to the client that adequately describes the requirements (location, components, extent, etc.) to implement the practice and obtain necessary permits.
3. Design Report per NEM Part 511, Subpart B – Documentation, 511.11.
4. Quality Assurance Plan (QAP) as per NEM Part 512, Subpart D – Quality Assurance Activities.
5. Operation and Maintenance Plan as per NRCS National Operation and Maintenance, Part 500, Subpart D.
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b) (2))
7. Design modifications during installation as required.

**INSTALLATION**

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**Deliverables**

1. Pre-construction conference with client and contractor and signed form FL-ENG-40.
2. Verification that client has obtained required permits
3. Facilitate and implement required design modifications with client and original designer.
4. Advise client/NRCS on compliance issues with all federal, state, tribal, local laws, and regulations and NRCS policies during installation.
5. Certification that the practice implementation meets the IWM Plan and permit requirements.

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**CHECK OUT**

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**Deliverables**

1. Check out notes as specified in the Florida Supplement, NEFH, Part 650 Chapter 1
2. As-Built documentation
  - a. Extent of practice units applied.
  - b. Application rate.
  - c. Frequency of application.
  - d. Method of measuring soil water content.
  - e. Method for scheduling when to irrigate.
3. Certification that the practice meets NRCS standards and specifications and is in compliance with permits, NEM Part 505 – Non NRCS Engineering Services, Subpart A.

**REFERENCES**

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- Florida NRCS Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard – Irrigation Water Management, Code 449
- Florida Supplement, National Engineering Field Handbook (NEFH), Part 650, Chapter 1, Procedure for Documenting, Planning, Design, Construction, and Checkout of Engineering Conservation Practices
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook (NECH)
- NRCS National Operation and Maintenance Manual
- NRCS Cultural Resources Handbook (NCRH)

**STATE CONTACT**

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