

## STATEMENT OF WORK Grassed Waterway (412)

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

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### **Licensure**

Florida Statute Title XXXII, Regulation of Professions and Occupations, Chapter 471, Engineering, regulates the practice of engineering in Florida and provides the definition of engineering in Chapter 471.005(7). Technical assistance for this engineering conservation practice may be considered the practice of engineering and subject to licensure requirements of Florida Statute Chapter 471. It is the responsibility of the individual providing technical assistance to determine and verify whether this practice is subject to Florida Statute Chapter 471.

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### **DESIGN**

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#### **Deliverables**

1. Design documents that demonstrate criteria in Florida 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)
  - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Hydrology/hydraulics
    - ii. Outlet capacity and stability
    - iii. Seedbed preparation, soil amendments and vegetation requirements
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements (location, materials, extent, etc.) to install the practice and obtain necessary permits (Florida Supplement, NEFH, Part 650, Chapter 1)
3. Design Report (NEM Part 511, Subpart B - Documentation)
4. Operation and maintenance plan
5. Quality Assurance Plan (Part 512, Subpart D - Quality Assurance Activities)
6. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Part 505 – Non NRCS Engineering Services, Subpart A, 505.3 C(2) Florida Supplement, NEFH, Part 650, Chapter 1)
7. Design modifications during installation as required
8. All documents signed and sealed in accordance with Florida Statute Chapter 471 or documentation from the Florida Licensing Board stating that the practice is not subject to the requirements of Chapter 471

### **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. Staking and layout according to plans and specifications including applicable layout notes
4. Installation inspection

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- a. Actual materials used (Part 512, Subchapter D - Quality Assurance Activities)
- 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 meets design and permit requirements

### **CHECK OUT/RECORDS OF IMPLEMENTATION**

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#### **Deliverables**

1. As-built documentation
  - a. Extent of practice units applied
  - b. Drawings
  - 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, 505.03 (c) (1))
3. Progress reporting

### **REFERENCES**

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- Florida NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Grassed Waterway, Code 412
- National Engineering Handbook, Part 650, Chapter 7
- National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

### **STATE CONTACT**

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