

STATEMENT OF WORK
Drainage Water Management (554)

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

DESIGN

Deliverables

1. Design documentation that will demonstrate that the criteria in Florida NRCS practice standard have been met and are compatible with other 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 as per National Engineering Manual (NEM) Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities.
 - d. List of facilitating/components practices
 - e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Geology and Soil Mechanics (NEM Subpart 531)
 - ii. Hydrology/Hydraulics
 - iii. Structural
 - iv. Vegetation
 - v. Environmental Considerations
 - vi. Safety Considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12)
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements (location, materials, components, extent, etc.) to install 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 (O&M), Part 500, Subpart D. O&M Plan will provide elevations, schedule for water table depth based on crops, and structure elevations required for maintaining the planned water table depth.
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

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. Inspection according to the QAP
 - a. Construction materials used as per NRM Part 512, Subpart D Quality Assurance

STATEMENT OF WORK
Drainage Water Management (554)

- Activities, Part 512.33, Inspection of materials
- 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 the plans and specifications and permit requirements.

CHECK OUT

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. Drawings as per NEM, Part 512 – Construction, Subpart F – As-Builts.
 - c. Final quantities installed.
3. Certification that the installation meets NRCS standards and specifications and is in compliance with permits, NEM Part 505 – Non NRCS Engineering Services, Subpart A.
4. Progress reporting.

REFERENCES

- Florida NRCS Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard – Drainage Water Management, 554
- 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

Jesse T. Wilson
State Conservation Engineer
(352) 338- 9555
jesse.wilson@fl.usda.gov