

April 12, 2004

STATEMENT OF WORK Pond (378)

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 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. A complete [AL-ENG-27](#) form
 - c. List of required permits to be obtained by the client.
 - d. Impacts on adjacent properties and structures.
 - e. Compliance with NRCS national and state utility safety policy ([NEM Part 503, Safety, 503.00 through 503.06](#)).
 - f. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Geology and Soil Mechanics ([NEM Part 531, Geology, Subpart 531A, Geologic Investigations](#))
 - ii. Hydrology/Hydraulics
 - iii. Structural including hazard class as appropriate
 - iv. Vegetation
 - v. Environmental Considerations
 - vi. Safety Considerations ([NEM Part 503, Safety, 503.10 through 503.12](#))
2. Written plans and specifications including sketches and drawings as well as any applicable guide sheets and vegetation plan (AL-ECS-1 or equivalent) shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
2. Design Report and Inspection Plan as appropriate ([NEM Part 511, Design, 511.11](#) and [Part 512, Construction, 512.30 through 512.32](#)).
3. Operation and Maintenance Plan
4. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations ([NEM Part 505, Non-NRCS Engineering, 505.03 \(b\) \(2\)](#)).
5. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
4. Certification of adequate foundation cut-off excavation.
5. Certification of principal spillway installation procedures.
6. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used.
 - b. Testing of materials or installation procedures (compaction verification, concrete tests, placement of materials, etc.)
 - c. Inspection records
7. Facilitate and implement required design modifications with client and original designer.
8. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
9. Certification that the installation process and materials meets design and permit requirements.

April 12, 2004

STATEMENT OF WORK Pond (378)

CHECK OUT

Deliverables

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - c. Final quantities
2. Check out surveys to verify that construction meets plans and specifications.
3. Certification that the installation meets NRCS standards and specifications and is in compliance with permits [\[NEM Part 505, Non-NRCS Engineering, 505.03 \(c\) \(1\)\]](#).
4. Certification that the entire site is stabilized with permanent vegetation (AL-ECS-2 or equivalent).
5. Progress reporting.

REFERENCES

- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Conservation Practice Standard - Pond, 378.](#)
- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Guide Sheet –Pond Construction, AL378](#)
- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Guide Sheet – Excavated Pond Construction, AL378A](#)
- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Guide Sheet – Erosion and Sediment Control During Farm Pond Construction, AL378B](#)
- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Guide Sheet – Critical Area Planting, AL342](#)
- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Guide Sheet – Pond Sealing or Lining – Flexible Membrane, AL521A](#)
- [NRCS Field Office Technical Guide \(eFOTG\), Section IV, Guide Sheet – Sealing a Pond with Additives, AL521B/C](#)
- [National Engineering Manual \(NEM\).](#)
- [NRCS National Environmental Compliance Handbook](#)
- [NRCS Cultural Resources Handbook](#)

CONTACT INFORMATION

Perry Oakes
State Conservation Engineer
334-887-4536
Perry.Oakes@al.usda.gov