

STATEMENT OF WORK
Pond Sealing or Lining (521A, B, C and D)
Virginia

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 the NRCS practice standard have been met and are compatible with other planned and applied practices:
 - a. Identify, discuss and document client needs, and recommend method of resolution.
 - b. Practice purpose(s) as identified in the conservation plan.
 - c. List of required permits to be obtained by the client.
 - d. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). This includes contacting MISS UTILITY (811 or 1-800-552-7001) a minimum of 3 days before beginning construction.
 - e. List of associated practices (conservation practice name and number).
 - f. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrogeology
 - ii. Type of Liner
 - iii. Application Rate and/or Liner Thickness
 - iv. Liner Protection
2. Provide written plans and specifications, including sketches and drawings, to the client that adequately describe the requirements to install the practice and obtain necessary permits. Develop plans and specifications in accordance with the requirements in the appropriate Virginia NRCS Conservation Practice Standards listed below:
 - a. *Pond Sealing or Lining – Flexible Membrane (Code 521A).*
 - b. *Pond Sealing or Lining – Soil Dispersant (Code 521B).*
 - c. *Pond Sealing or Lining – Bentonite Sealant (Code 521C).*
 - d. *Pond Sealing or Lining – Compacted Clay Treatment (Code 521D).*
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
4. Operation and Maintenance Plan.
5. Certification that the design meets NRCS standards and specifications and is in compliance with permits (NEM VA505.03, Amendment VA-22).

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. Installation inspection (according to inspection plan, as appropriate):
 - a. Actual materials used.
 - 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.

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CHECK OUT

Deliverables:

1. As-built documentation
 - a. "Red-line" drawings including but not limited to documentation of final construction, changes to initial design, and changes in materials used.
 - b. Extent of practice units applied.
 - c. Final quantities.
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM VA505.03, Amendment VA-22).
3. Progress reporting.

REFERENCES

- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard, *Pond Sealing or Lining-Flexible Membrane (Code 521A)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Operation and Maintenance Plan, *Pond Sealing or Lining-Flexible Membrane (Code 521A)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard, *Pond Sealing or Lining-Soil Dispersant (Code 521B)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Operation and Maintenance Plan, *Pond Sealing or Lining-Soil Dispersant (Code 521B)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard, *Pond Sealing or Lining-Bentonite Sealant (Code 521C)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Operation and Maintenance Plan, *Pond Sealing or Lining-Bentonite Sealant (Code 521C)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard, *Pond Sealing or Lining-Compacted Clay Treatment (Code 521D)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Operation and Maintenance Plan, *Pond Sealing or Lining-Compacted Clay Treatment (Code 521D)*.
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook.
- NRCS Cultural Resources Procedures Handbook.