

STATEMENT OF WORK**Dike (356)****Minnesota****Design Deliverables:**

1. Design Report Design that includes, but is not limited to the following:
 - a. Summary of project objectives and work to be completed.
 - b. Method of interior drainage.
 - c. Dike Alignment Considerations
2. 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 standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Soils information
 - ii. Dike height, freeboard, wave action considerations
 - iii. Foundation cutoff for sand layers, septic fields, rural water, farm taps, etc
 - iv. Borrow source
 - v. Interior drainage design
3. Adequate plan view, profiles, cross sections, details, and specifications to ensure that the project can be properly constructed and secure permits.
 - a. A plan view of the site which includes but is not limited to the following items:
 - i. Location of dike with length noted
 - ii. Interior drainage features with pipe locations noted
 - iii. Pipe construction details
 - iv. Borrow area
 - b. Utility warning statement on plans: *"State law requires that the excavator contact Gopher State One-Call at (800)252-1166 for utility locations 48 hours prior to the start of excavation work"*.
 - c. In addition to the certification required by state law the following statement is required: *"To the best of my professional knowledge, judgment, and belief, these plans meet applicable NRCS standards."*
4. An Engineer's Cost Estimate is **not** required, however it is recommended to help the owner evaluate contractor proposals.
5. Inspection Plan
 - a. The inspection plan must describe the type and frequency of testing and inspection and the qualifications of the person doing the work
6. Operation and Maintenance Plan

Installation Deliverables:

1. Documentation of pre-construction conference with client and contractor.
2. Verification that client has obtained any required permits.
3. Staking and layout according to drawings and specifications including applicable layout notes.
4. Installation inspection documentation which meets the requirements of the inspection plan.
5. Documentation for any significant design modifications made during installation.
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation. Examples include evidence of cultural resources, etc.

Check Out Deliverables:

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. As-built drawings
 - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits. The required wording is *"To the best of my professional knowledge, belief, and judgment, the installed practice meets NRCS standards."*
3. Completion report in accordance with permit requirements.