

STATEMENT OF WORK
Lined Waterway or Outlet (468)
Kentucky

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

DESIGN

Deliverables:

1. Design documents that demonstrate criteria in 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 503.00 through 503.6) It is the client's responsibility to contact Kentucky811, Call 811 Before You Dig. See www.kentucky811.org for more information.
 - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrology/hydraulics
 - ii. Type of Liner
 - iii. Outlet capacity and stability
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
3. Operation and maintenance plan
4. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.3)
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. Installation inspection
 - a. Actual materials used (Part 512, Subchapter D Quality Assurance Activities, 512.33)
 - 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

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 Subpart A, 505.3)
3. Progress reporting
4. Photo documentation recommended.

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SPECIAL REQUIREMENTS FOR COST SHARED PRACTICES

As noted in GM KY Supplement 450-407.12: Certifying Performance for Cost Sharing (June 2008)

- A. All practices will be located and identified using Global Positioning Systems (GPS) unit. (See GM KY 450-407.12 for additional guidance.)
 - B. Practices receiving cost share assistance will be photo identified with no less than one before picture and no less than one after picture. (See GM KY 450-407.12 for additional guidance)
- A quick link to the policy is: ftp://ftp-fc.sc.egov.usda.gov/KY/GM_Supplement_450.pdf

SUPPORTING DATA AND DOCUMENTATION

Field and Design Data

Record on NRCS-ENG-28 and 29 or other appropriate engineering paper. The following is a list of the minimum required design data:

1. Plan view of lined waterway or outlet;
2. Soils investigation that includes rock content and depth to seasonal high water table;
3. Profile of the lined waterway showing channel grade, lining thickness, and ground lines;
4. Cross section showing cross section shape, width and design depth;
5. Lining requirements (size, thickness, geotextile, etc.) and installation details;
6. Seeding, fertilizing and mulching requirements if required;
7. Quantities;
8. Manufacturer design data specifications for synthetic turf reinforcement fabrics and grid pavers.
9. Engineering Job Class
10. Operation and Maintenance Plan
11. Signature of someone with proper design Job Approval Authority

Construction Check Data/As-Built

1. Installation and construction check notes are to be recorded in sufficient detail to show that the practice meets this standard and applicable specification. Minimum requirements are:
 - a) Measurements to show length, and width; and grade of completed lined waterway or outlet marked in red on the "as-built" plans;
 - b) A statement as to the lining size and thickness is to be place on the "as-built" plans;
 - c) The certification statement and signature on the "as-built" plans;
 - d) Measurements and computations for quantities will be recorded and filed to the extent that they are required to determine the number of practice units performed, or as requested by the land user;
 - e) Copy of the manufacturer's installation instructions for synthetic turf reinforcement fabrics and grid pavers.
2. Provide a statement on seeding;
3. Sign and date notes including statement that the practice meets or exceeds plans or specifications.

REFERENCES

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Lined Waterway or Outlet, 468
- National Engineering Manual, Utility Safety Policy
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook