

STATEMENT OF WORK
Wetland Restoration (657)
Kentucky

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. List of required permits to be obtained by the client.
 - c. Impacts on adjacent properties and structures.
 - d. 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.
 - e. List of facilitating practices
 - f. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Compliance with Wetland Functional Assessment and Hydric Soils Determination
 - ii. Hydrology/Hydraulics
 - iii. Structural including hazard class as appropriate
 - iv. Vegetation
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. 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. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.3).
6. 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 (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.
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

STATEMENT OF WORK
Wetland Restoration (657)
Kentucky

permits (NEM Subpart A, 505.3.

3. Progress reporting.
4. Photo documentation recommended.

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

Planning Information, Field Data, and Survey Notes

Record on survey note paper, NRCS-ENG-28 & 29, and/or in the conservation plan folder, as appropriate.

The following is a list of the minimum data and documentation to be recorded in the case file:

1. Field location of the project, acres, and assistance notes. Also note the location of the project on the conservation plan map. Assistance notes shall include dates of site visits, name or initials of the person who made the visit, specifics as to alternatives discussed, decisions made, and by whom;
2. Description of the objectives of the project, including the desired functions that the wetland is expected to provide;
3. Soil investigation logs and notes;
4. Inventory of existing vegetation on the site. If applicable and available, note the agrichemicals that have been used on the site during the past 5 years;
5. Topographic survey of the site, as appropriate for site conditions and the proposed design;
6. Description of existing drains and extent of existing blockage (if any).

Design Data

Record on appropriate engineering paper. For guidance on the preparation of engineering plans see Chapter 5 of the Engineering Field Handbook, Part 650. The following is a list of the minimum required design data:

1. Hydrologic and hydraulic design computations;
2. Normal and design storm water surface elevations;
3. Cross-section(s) of embankment for quantities determination;
4. Profile of vegetated spillway;
5. Detail of water control structure, including profile, elevations, and materials specifications with type and gauge/thickness of pipes;
6. Planned blockage of drainage systems, including cross sections and lengths of drain plugs;
7. Plan view(s) to scale with north arrow and stationing showing topographic contours, planting zones for vegetation, and locations of other features, as appropriate;
8. Seeding and/or planting requirements, including species selected for each planting zone, stocking/seeding rates, and the size and type of planting stock to be used (e.g., bare-root seedlings, containerized stock, etc.), shown on plans;
9. Quantities estimate;
10. Show job class on plans;
11. Operation and maintenance plan.
12. Approval signature of someone with proper design Job Approval Authority.

STATEMENT OF WORK
Wetland Restoration (657)
Kentucky

Construction Check Data/As-Built

Record on survey notepaper, NRCS-ENG-28, or other appropriate engineering paper. Survey data shall be plotted on plans in red. The following is a list of minimum data needed for as-builts:

1. Documentation of site visits on CPA-6. Include the date, who performed the inspection, specifics as to what was inspected, all alternatives discussed, and decisions made and by whom;
2. Check notes recorded during or after completion of construction, and plans showing as-built conditions of all structures;
3. Note plant species as-installed, including species used, quantities, date(s) planted, and arrangement of plants within each planting zone;
4. Final quantities, and documentation for quantity changes and materials certification;
5. Sign and date check notes and plans by a person with appropriate approval authority. Include statement that practice meets or exceeds plans and NRCS practice standards.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Wetland Restoration, 657.
- NRCS National Engineering Manual (NEM)
- NRCS Engineering Field Handbook (EFH), Part 210, Chapter 13, Wetland Restoration, Enhancement, or Creation
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- NRCS National Biology Manual
- NRCS National Biology Handbook
- National Food Security Act Manual