

STATEMENT OF WORK
Spring Development (574)
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. Capacity
 - ii. Appurtenances
 - iii. Environmental Considerations (e.g. wildlife safety, wetlands, water quality)
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, 505.03(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. 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 (NEM Subpart A, 505.03(c) (1)).

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
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 Data and Survey Notes

Record on survey notepaper, NRCS-ENG-28, ENG-29 or other appropriate engineering paper. The following is a list of the minimum data needed:

1. System plan sketch.
2. Profile along centerline of proposed pipe from source to outlet.
3. Special control or field feature that must be considered in design.

Design Data

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

1. Plan view including all system components and construction specifications.
2. Profile of system included on plans.
3. Determine slope of pipeline and difference in elevation between source or collection box inlet and tank overflow, record on plan.
4. Complete pipeline design using methods described in chapters 12, 14 or 15 from the EFH, Part 650, as applicable.
5. Dimensions and type of cutoff wall, if applicable shown on plans.
6. Select type and dimensions for spring box and show on plans.
7. Show type and size of pipeline system on profile on plans.
8. Size and type of stabilization treatment around facility.
9. Job Class on plan.
10. Quantities Estimate.
11. Planting plan. Meet the criteria, specifications, and documentation requirements of the Kentucky conservation practice standard, Critical Area Planting, code 342.
12. Written Operation and Maintenance Plan
13. Approval signature of someone with proper design approval authority

Construction Check Data/As-builts

Record on survey notepaper, NRCS-ENG-28, ENG-29 or other appropriate engineering paper. Survey data will 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. Elevations of control features.
3. Dimensions of pipelines, spring box, collection system, trough and other components.
4. Statement on seeding and fencing.
5. Final quantities and documentation for quantity changes. Materials certification.
6. Sign and date check notes and plans by someone with appropriate approval authority. Include statement that practice meets or exceeds plans and NRCS practice Standards.

REFERENCES

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Spring Development, 574.

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- National Engineering Manual
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook