

**STATEMENT OF WORK**  
**Pipeline (516)**  
**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](http://www.kentucky811.org) for more information.
  - e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Capacity
    - ii. Hydraulics
    - iii. Materials
    - iv. Climatic Considerations (e.g. freezing)
    - v. Vegetation (See practice standard 342-Critical Area Planting)
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. Environmental evaluation including a completed ECS – Form NRCS-CPA-52, Environmental Evaluation Worksheet.
4. 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).
5. Operation and Maintenance Plan.
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b)(2)).
7. 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 [NEM Subpart A, 505.03(c)(1)].
3. Progress reporting.

**STATEMENT OF WORK**  
**Pipeline (516)**  
**Kentucky**

**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](ftp://ftp-fc.sc.egov.usda.gov/KY/GM_Supplement_450.pdf).

**SUPPORTING DATA AND DOCUMENTATION****Field Data and Survey Notes**

Record on survey note paper, SCS-ENG-28, ENG-29 or on other appropriate forms or 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 design data and calculations on appropriate engineering forms or 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. Plan view including all system components and construction specifications;
2. Profile of system shown on the 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 this standard or other methods used, as applicable, include required capacity;
5. Location of pressure regulator and back-flow preventer, as required and show on the plans;
6. Depth pipeline is to be buried to prevent damage from cultivating equipment and/or freezing;
7. Select type and dimensions for spring box and trough or tank and show on the plans;
8. Show type and size of pipeline material on plans;
9. Size and type of stabilization treatment around facility shown on the plans;
10. Job Class on plans;
11. Quantities estimate;
12. Planting plan. This must meet the criteria, specifications, and documentation requirements of the conservation practice standard, Critical Area Planting, Code 342.
13. Written Operation and Maintenance Plan.
14. Approval signature by someone with proper job approval authority.

**Construction Check Data**

Record on survey note paper, SCS-ENG-28, ENG-29 or on other appropriate forms or engineering paper. Survey data will be plotted on plans in red. The following is a list of minimum data needed for As-built certification:

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, hydrants, spring box, collection system, trough and other components;
4. Measured length and depth of each pipeline installation;
5. Location of back-flow preventer and pressure regulator, if required;
6. Statement on seeding and fencing;
7. Final quantities and documentation for quantity changes. Materials certification;
8. A person with appropriate Job Approval Authority shall sign and date notes and/or plans; including a statement that the installed practice meets plans and specifications.

**STATEMENT OF WORK**  
**Pipeline (516)**  
**Kentucky**

**REFERENCES**

---

- NRCS Kentucky Field Office Technical Guide (e-FOTG), Section IV, Conservation Practice Standard, Pipeline (516).
- National Engineering Manual
- NRCS National Environmental Compliance Handbook.
- NRCS Cultural Resources Handbook.