

STATEMENT OF WORK
DRY HYDRANT (432)
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
 - a. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.0 through 503.6) It is the client's responsibility to contact Kentucky811, Call 811 Before You Dig. See www.kentucky811.org for more information.
 - c. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Hydrology/Hydraulics
 - ii. Structural
 - iii. Vegetation
2. Written plans and specifications, including sketches and drawings, that adequately describes the requirements to install the practice and obtain necessary permits shall be provided to the client.
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 (A) (1)(ii)).
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 (according to inspection plan as appropriate).
 - 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, 505.3).

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, 505.03 (C) (1)(i)).
3. Progress reporting.
 4. Photo documentation is 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

Field Data and Survey Notes

Record on survey note paper, NRCS-ENG-28 & 29, or other approved media, the following minimum data:

1. Plan view sketch of system;
2. Survey of site, including bank, bottom and water surface elevations, access area and hydrant location;
3. Data on water source.

Design Data

Record on appropriate forms or 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. Locate practice on farm plan map in case file;
2. Plan view including location map, system components, profile of hydrant, construction details, material and construction specifications;
3. Design and details of access;
4. Determine 50-year drought elevation;
5. Determine minimum needed water intake;
6. Design Sheets and computations;
7. Show job class on plan;
8. Quantities estimate;
9. Planting plan. This must meet the criteria, specifications, and documentation requirements of the Kentucky conservation practice standard for Critical Area Planting, Code 342. Show on plan.
10. Signature of someone with proper job approval authority to approve the design.

Construction Check Data/ As-Built

Record on survey notepaper, NRCS-ENG-28 and 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:

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1. Documentation of site visits on CPA-6. Include the date, who performed the inspection, specifies as to what was inspected, all alternatives discussed, and decisions made and by whom;
2. Check notes recorded during or after completion;
3. Elevations and lengths of hydrant control features and access;
4. Final quantities and documentation for quantity changes, and materials certification;
5. 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

- NRCS Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard - Dry Hydrant, 432
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook