

**STATEMENT OF WORK**  
**Irrigation Water Conveyance - High Pressure, Underground, Plastic Pipeline**  
**(430DD)**  
**Kansas**  
**July 2004**

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**These deliverables apply to this individual practice. For other planned practice deliverables, refer to those specific statements of work.**

## **DESIGN**

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### **Deliverables**

1. Design documentation that will demonstrate that the criteria in the Natural Resources Conservation Service (NRCS) practice standard has been met and is 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. Compliance with NRCS national and state utility safety policy (National Engineering Manual [NEM] Parts 503.00 through 503.06)
  - d. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to the following (Form KS-ENG-23b, Irrigation Water Conveyance, Pipeline - 430, or equivalent):
    - i. Capacity
    - ii. Hydraulics and appurtenance design
    - iii. Trench and backfill requirements
    - iv. Materials
    - v. Vegetation
2. Written plans and specifications (including sketches and drawings) shall be provided to the client that adequately describe the requirements to install the practice and obtain necessary permits.
3. Design report and inspection plan as appropriate (NEM Parts 511.11 and 512.30 through 512.32)
4. Operation and maintenance plan
5. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Part 505.03(b)(2))
6. Design modifications during installation as required
7. If enrolled in a conservation program, this practice must meet all conditions and requirements of program enrollment that may exceed the practice standard.

## **INSTALLATION**

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### **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 and regulations and NRCS policies during installation
7. Certification that the installation process and materials meet design and permit requirements

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**CHECKOUT**

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**Deliverables**

1. As-built documentation (Form KS-ENG-23b, Irrigation Water Conveyance, Pipeline - 430, or equivalent)
  - 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 Part 505.03(c)(1))
3. Progress reporting

**REFERENCES**

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- NRCS electronic Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard 430DD, Irrigation Water Conveyance - High Pressure, Underground, Plastic Pipeline
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook