

**NATURAL RESOURCES CONSERVATION SERVICE
PRACTICE DOCUMENTATION GUIDE**

**IRRIGATION WATER CONVEYANCE, PIPELINE, HIGH PRESSURE, UNDERGROUND PLASTIC
430DD**

430DD – STEP 1. INITIAL EVALUATIONS

PURPOSE

The purpose of this step is to determine the landowner's desire to construct a High Pressure Underground Plastic Pipeline in a predetermined location for the intended purpose(s) (See NRCS Practice Standard 430DD).

The landowner must be interviewed to determine the purpose and needs for a High Pressure Underground Plastic Pipeline.

Considerations will include the landowner goals and objectives, existing condition and effects of this practice on existing soil, water, air, plant, animal and human resources. A discussion of NRCS High Pressure Underground Plastic Pipeline standards and specifications should also take place. Role of the landowner and the person assisting with High Pressure Underground Plastic Pipeline planning and construction should also be discussed. Additional pertinent questions should be asked on a site-specific basis.

**442 -STEP 2. INVESTIGATIONS,
SURVEYS, AND INVENTORIES**

PURPOSE

The purpose of this step is to identify the mandatory preliminary resource inventory and operations that are required before a High Pressure Underground Plastic Pipeline can be planned and installed. Resource inventories will include all data and information needed to make informed decisions in the planning and construction of a High Pressure Underground Plastic Pipeline and any follow-up management needs. Appropriate resource inventories could include soils, topography, crop (s) to be grown/plant community, water resources, and all physical features such as existing fencing, roads, water wells, natural barriers, water gaps, ditches, and existing irrigation systems etc. that might have an effect on planning of the High Pressure Underground Plastic Pipeline.

Adjacent land uses and resources that would be affected by High Pressure Underground Plastic Pipeline construction should also be considered. If the Microirrigation System is being installed to facilitate prescribed grazing then inventory data needed for prescribed grazing will also be needed. See Practice Standard and Specifications for Prescribed Grazing 528a. Identify map resources needed such as the proper USGS 7.5 minute quadrangle sheet, soils, and road maps as well as aerial photography. Also include identifying all needed utility clearances, archeological clearances (See NRCS Conservation Practice Job Sheet 430, ENV-1 Environmental Assessment, and Resource Inventory Checklist).

442 – STEP 3. PRACTICE DESIGN

I. PURPOSE

The purpose of this step is to develop a High Pressure Underground Plastic Pipeline design. This practice will be designed in accordance with all federal, state and local laws and ordinances. High Pressure Underground Plastic Pipelines shall consist of acceptable pipe design and layout to distribute the water in a uniform manner for fencing designs to control the animal(s) or people of concern and meet the intended life of the practice. Resource inventories, local conditions and the intended use will need to be assessed for the proposed High Pressure Underground Plastic Pipeline design and location. See Prescribed Grazing Standards and Specifications 528a for Microirrigation Systems designed to facilitate grazing management.

A High Pressure Underground Plastic Pipeline design will be developed with the client that meets the intended goals and objectives. Designs should include All fencing materials shall be of of a high quality. All appropriate job sheets, maps and reports must be developed with landowners input, review and concurrence (See Practice Standard, Specification and Job Sheet 430DD).

II. SITING

The purpose of this step is to insure that the High Pressure Underground Plastic Pipeline is properly located and the client fully understands where the High Pressure Underground Plastic Pipeline is to be located.

III. MATERIALS/EQUIPMENT

The purpose of this item is to insure an understanding of the materials/equipment used to construct a High Pressure Underground Plastic Pipeline. Further knowledge would include the types of pipe materials and High Pressure Underground Plastic Pipeline installation and repair equipment. Appropriate standards, job sheets, and expectations that include the types and number of each type of materials/equipment will need to be provided to the landowner and all those involved in the planning and construction of the High Pressure Underground Plastic Pipeline.

442 – STEP 4. PLANS AND SPECIFICATIONS

PURPOSE

The purpose of this step is to document and describe each component of the High Pressure Underground Plastic Pipeline plan, which includes step by step instructions to be used while installing a High Pressure Underground Plastic Pipeline.

This will include the documentation of all components described in High Pressure Underground Plastic Pipeline Job Sheet 430. Additional reference material should be included as needed and appropriate.

The landowner must be provided with a complete High Pressure Underground Plastic Pipeline design and plan in the form of a Conservation Plan, Plan Map, and NRCS High Pressure Underground Plastic Pipeline Job Sheet 430 in order to document the High Pressure Underground Plastic Pipeline design and location. Items not described in Job Sheet 430, that are essential for location and construction of the High Pressure Underground Plastic Pipeline, will be added to the Job sheet.

442 - STEP 5. MANAGEMENT AND OPERATION, MAINTENANCE

PURPOSE

The purpose of this step is to assure that proper management, operation and maintenance is completed at the High Pressure Underground Plastic Pipeline site (See NRCS Practice Standard and Specification 430DD).

This requires a familiarity with the design and correct operation of the installed High Pressure Underground Plastic Pipeline in order to operate pipeline in a proper and safe fashion. A periodic operations and maintenance schedule should be implemented.

These measures should be discussed with and understood by the landowner.

442 – STEP 6. COMPLIANCE OR SPOT CHECKING

I. PURPOSE

The purpose of this step is to determine that all work has been completed to the standards required by the Natural Resources Conservation Service. All completed NRCS forms should be collected from the landowner and submitted to the appropriate persons. (See NRCS Practice Standard and Specification 430DD, Job Sheet 430, and NM-ENV-1 Environmental Assessment, and Resource Inventory Checklist).

II. DOCUMENTS

Copies of all completed job sheets and associated work sheets should be submitted to the Natural Resources Conservation Service representative within 10 working days of completion of the High Pressure Underground Plastic Pipeline. This includes the Practice Requirements as outlined in Job Sheet for 430 and any other job sheets that may be needed for this practice to meet the intended goals and objectives.