

**NATURAL RESOURCES CONSERVATION SERVICE
PRACTICE DOCUMENTATION GUIDE
STEAMBANK AND SHORELINE PROTECTION**

580

580 – STEP 1. INITIAL EVALUATIONS

PURPOSE

The purpose of this step is to determine the landowner's desire to construct streambank and shoreline protection in a predetermined location for the intended purpose(s). (See Natural Resources Conservation Service, Practice Standard and Specification 580).

The landowner must be interviewed to determine the purpose and needs for streambank protection. 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 streambank protection standards and specifications should also take place. Role of the landowner and the person assisting with fence planning and construction should also be discussed. Additional pertinent questions should be asked on a site-specific basis.

580 – 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 streambank protection can be planned and installed. Resource inventories will include all data and information needed to make informed decisions in the planning and construction of streambank protection and any follow-up management needs. Appropriate resource inventories could include soils, topography, plant community, water resources, and all physical features that might have an effect on planning of the streambank protection. Adjacent land uses and resources that would be affected by the streambank protection project should also be considered.

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. Also see Natural Resources Conservation Service, Conservation Practice Job Sheet(s) 580.

580 – STEP 3. PRACTICE DESIGN

I. PURPOSE

The purpose of this step is to develop a streambank protection design. This practice will be designed in accordance with all federal, state and local laws and ordinances. Streambank protection shall consist of acceptable designs to address the streambank protection concerns and meet the intended life of the practice. Resource inventories, local conditions and the intended use will need to be assessed for the proposed streambank protection design and location.

A streambank protection design will be developed with the client that meets the intended goals and objectives. Designs should include materials of a high quality and durability. All appropriate job sheets, maps and reports must be developed with landowners input, review and concurrence. See Practice Standard and Specification 580 & Job Sheets 580.

II. SITING

The purpose of this step is to insure that the streambank protection is properly located and the client fully understands where the planned project is to be located. Care should be given to make sure the planned locations are known by all involved. Planned access locations for equipment, livestock and vehicles should also be known by all involved in construction of the project.

III. MATERIALS/EQUIPMENT

The purpose of this item is to insure an understanding of the materials/equipment used to construct stream/line protection. Further knowledge would include the types of materials, installation techniques and surplus rock for repairs. Appropriate standards, job sheets and expectations that include the types and amount 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 streambank protection project.

580 – STEP 4. PLANS AND SPECIFICATIONS

PURPOSE

The purpose of this step is to document and describe each component of the plan, which includes step by step instructions to be used while installing a streambank protection. This will include the documentation of all components described in Streambank and Shoreline Protection Job Sheet 580. Additional reference material should be included as needed and appropriate.

The landowner must be provided with a complete design and plan in the form of a Conservation Plan, Plan Map and NRCS Job Sheet 580 in order to document the design and location. Any items not described in Job Sheet 580 that are essential for location and construction of the project will be added to the Job sheet.

580 - 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 project site. (See Natural Resources Conservation Service, Practice Standard 580.

This requires a familiarity with the design and correct operation and required maintenance of the installed treatment. Periodic operations and maintenance schedules should be implemented.

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

580 – 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 Natural Resources Conservation Service Practice Standard and Specification 580 and Job Sheet 580.

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 project. This includes the Streambank and Shoreline Protection Requirements as outlined in Job Sheet for 580 and any other job sheets that may be needed for this practice to meet the intended goals and objectives.