

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE GENERAL SPECIFICATIONS**

**GRASSED WATERWAY
(Acre)
CODE 412**

1. SCOPE

Work shall consist of shaping the waterway channel and placing excavated material as specified.

2. LOCATION

The planned location of the waterway shall be as shown on furnished drawings or as staked in the field.

3. PUBLIC AND PRIVATE UTILITIES

Utilities are defined to be overhead and underground power or communication lines, and pipelines. All utilities discovered to be in the work area are shown on the drawings or sketches. However, the absence of indicators on the drawings or sketches does not assure the nonexistence of utilities in the work area. The contractor is alerted to conduct his/her own search and discovery for utilities in order to lessen or avoid potential damages. The owner/operator shall complete TX-ENG-80, UTILITIES INVENTORY prior to layout or any ground disturbance and return it to an NRCS representative.

4. SITE PREPARATION

All trees stumps, brush, and other objectionable material that will interfere with construction or proper functioning of the waterway shall be removed from the site and disposed of in a manner consistent with environmental concerns and proper functioning of the waterway.

5. DIMENSIONS OF INSTALLATION

Waterways shall be constructed to the grade and dimensions shown on the plans, specified on furnished drawings, or as staked in the field.

6. MATERIAL

Excavated material will be used to construct side banks, roads, or other fills as specified. Topsoil shall be stockpiled and re-spread where necessary to provide a seedbed for the grass. Seedbed preparation; time of seeding; seeding mixture and rate; stabilizing crop; mulching; or mechanical means of stabilization; and fertilizer and lime requirements shall be provided to the owner/operator for the waterway and other disturbed areas after construction is complete.

Any spoil shall be spread where it will not interfere with flow into the waterway. If necessary, excess water shall be diverted away until vegetation is established. Any protective measures shall then be removed, and the disturbed areas that are not to be farmed shall be seeded to permanent grass.

7. MEASUREMENT

Conservation practice general specifications are reviewed periodically, and updated if needed. To obtain the current version of this standard, contact the Natural Resources Conservation Service.

GS-412-2

Method 1. When shaping is performed and the amount of work is determined on an acreage basis, at least one representative cross section will be made to determine that designed dimensions have been obtained. When accurate measurements were made during design and layout, only sufficient checks will be made to determine that acres previously determined have been performed according to design. Acreage will be measured to the nearest 0.1 acre.

Method 2. When shaping is performed and the amount of work is determined on a yardage basis, sufficient cross sections will be made to show that design dimensions have been obtained. The measurement for payment will be the design yardage. Volume will be computed to the nearest cubic yard.

8. CONSTRUCTION DETAILS

*Attachment TX-ENG-38a CONSTRUCTION DATA FOR WATERWAY.
TX-ENG-80, UTILITIES INVENTORY*