

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

GRASSED WATERWAY

1. Scope

The work shall consist of all construction operations as required and outlined on the design and the specifications for the installation of the waterway.

2. Location

Location of the waterway shall be as specified on the design or as staked in the field.

3. Site Preparation

All ditches and gullies shall be filled prior to or as a part of construction. Fence rows, trees, brush, stumps, and any other material that would interfere with the construction or proper functioning of the waterway or outlet shall be removed.

Where establishment of vegetation is determined to be a serious problem on subsoil, the best available soil will be stockpiled for respreading over the waterway area after grading.

4. Shaping

The waterway shall be constructed to the limits staked in the field or specified on the field sheet. Maximum shaping tolerance of the waterway cross section shall be as follows: The trapezoidal waterway less than or equal to 60 feet wide shall have the bottom edges from 0.2 foot higher than the center to 0.1 foot lower than the center. The trapezoidal waterway greater than 60 feet wide shall have the bottom edges from 0.3 foot higher than the center to 0.1 foot lower than the center. On the parabolic waterway, the points intermediate between the center and the edges of the hydraulic design (1/4 points) will be at least 75 percent of the centerline depth and no deeper than the centerline depth. The waterway may be constructed wider than the design width, not to exceed 10 percent of the design width plus 5 feet.

The waterway shall be constructed to the depth below natural ground as staked in the field or shown on the field sheet.

Any unavoidable excess material shall be spread or wasted as shown on the construction plans or so as not to interfere with the waterway function, farming operations, or field drainage.

Fills shall be compacted as needed to prevent unequal settlement that would cause damage in the completed waterway.

5. Construction Details