

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CONSTRUCTION SPECIFICATION

CS-22: "GRASSED WATERWAY"

22.1 SCOPE

The work shall consist of excavating, filling, shaping and seeding, as necessary for the construction of the grass waterway as shown on the drawings.

22.2 SITE PREPARATION

The construction area shall be cleared of rock fragments with a maximum dimension of 4 inches or greater and all-live vegetation. Surface irregularities, such as ditches and gullies, shall be filled before the start of excavation.

22.3 EXCAVATION

Excavation shall be to the lines and grades shown on the drawings and staked in the field. To the extent that they are needed, all suitable excavated material shall be used in the construction of earth fills. Surplus and unsuitable materials will be disposed at locations shown on the drawing or approved by the landowner and technical representative.

22.4 EARTH FILL

All fill material shall be obtained from the excavation and designated borrow areas. The fill material shall be free from frozen particles, brush, roots, sod, or other foreign material, and rock fragments larger than 4 inches in diameter. Existing slopes shall be sloped to a 1:1 slope or flatter and roughened to ensure bonding with the fill being placed. Fill will be placed in approximately uniform horizontal layers of not more than 6 inches in thickness.

When specified on the drawing, topsoil removed, stockpiled and spread over waterway surface after initial grading.

The fill sections shall be compacted by routing of the hauling and spreading equipment over the fill in such a manner that the entire surface of each fill layer will be traversed by not less than one track or wheel track of the construction equipment.

22.5 VEGETATION

The seedbed shall be prepared in a manner that is customary for the geographical area and fertilized with the mixture and seeded to the vegetation as shown on the drawings.