

**NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE ENGINEERING NOTEKEEPING**

GRASSED WATERWAY

CODE 412

NOTEKEEPING

Design and Layout Survey

- A) Record the following information:
 - 1) Location sketch
 - 2) Drainage area
 - 3) Required capacity
 - 4) Channel slope or grade
 - 5) Design cross-section
 - a. Type (parabolic or trapezoidal)
 - b. Dimensions (top width and depth, etc.)
 - 6) Vegetation
 - a. Specifications for area to be seeded
 - b. Calculations of area to be seeded
- B) Prepare appropriate drawing or sketch showing dimensions of waterway
- C) Date and signature of designer and person approving design
- D) Set stakes for width, depth and alignment for construction

Construction Check

- A) Measurements to show length, width, and depth of completed waterway. Measurements at one station may suffice where waterway is designed for constant width and depth and uniform construction is obtained.
- B) Statement regarding adequacy and condition of vegetation
- C) Computation of quantity or area if they are factors in cost sharing
- D) State the adequacy of temporary or permanent erosion control measures installed
- E) Statement regarding adequacy of completed waterway to meet plans and specifications. Note any exceptions.
- F) Date and signature of person making construction check

Recording Data

- A) All data will be recorded in a standard engineering field book, NC-ENG-42, or other approved form.