

NATURAL RESOURCES CONSERVATION SERVICE
CONNECTICUT
DESIGN AND CHECK DATA REQUIREMENTS FOR
GRASSED WATERWAY

(Ac.)

Code 412

As a minimum, the following items shall be included in the design folder for Grassed Waterway:

Survey Record

1. Plan view
2. Slope of each design reach
3. Length of each reach and total length
4. Type and location of outlet

Design Record

1. The following statement shall be placed on the drawings:

“For all buried utilities, the excavator shall notify Call-Before-You-Dig (CBYD) at 1-800-922-4455 or www.cbyd.com. It is the responsibility of the excavator to comply with the provisions of Connecticut General Statutes (CGS), Chapter 293, Section 16-346 (Call-Before-You-Dig) before performing any excavation work.”

2. Peak discharge calculation
3. Soil, vegetation, lining
4. Velocities, dimensions and typical cross-section
5. Lining or mulching requirements – note lining type and design source
6. Lime, fertilizer, seeding requirements
7. Operation & maintenance plan

Check Data Record

1. Measurements to show length, width, and depth of completed waterway (including length, width, and thickness of any armoring)
2. Profile of channel.
3. One cross section per reach at the most restrictive station
4. Seeding performed
5. Stable outlet