

GRASSED WATERWAY

DESIGN AND CHECK DATA REQUIREMENTS

The following items must be documented for the Grassed Waterway:

Survey Record in Engineering Fieldbook

1. Slope of each design reach (hand-level survey permitted when slope is steeper than 2 percent).
2. Cross section (minimum one per reach at most restrictive station or location).
3. Length of each reach and total length.
4. Plan view if part of system.

Design Record (for each as applicable)

1. PA One-Call compliance
2. Peak discharge calculations
3. Soil, vegetations, lining
4. Minimum depth & width required for stability
5. Lining or mulching requirements
6. Lime, fertilizer, seeding requirements
7. Operation & maintenance plan

Check Construction Record

1. Measurements to show length, width, and depth of completed waterway (paced length acceptable when not for payment).
2. Slope or grade of waterway.
3. If required, stone sizes and/or geosynthetics used
4. Seeding performed.
5. Compliance with PA One Call.
6. For Natural Waterways:
 - a. Statement that the waterway has vegetation and is stable.
 - b. Width, depth, and length measurement.
 - c. If, in the option of the technician providing assistance, there is a need to specify a wider waterway, it shall be noted in the plan. If there is a need to enlarge or construct a grassed waterway, the criteria in the standard shall apply.
7. Items of Performance That Can Be Certified by the Cooperator:
 - a. Seeding, sodding, or establishment of vegetation.
 - b. Disposal of stumps, logs, brush, and other debris resulting from site preparation.