

## ***DWP-03 Sod Waterway***

### **Purpose**

1. To convey runoff from terraces, diversions, or other water concentrations without causing erosion or flooding.
2. To reduce gully erosion.
3. To protect/improve water quality.

### **Applicability**

Applies to agricultural land where added water conveyance capacity and vegetative protection are needed to control erosion resulting from concentrated runoff.

### **Erosion Requirements**

Practice is eligible for cost-share based on gully erosion. Post-installation erosion rates must be less than pre-installation erosion rates.

***Gully Erosion Checks:***            PRE-INSTALL > POST-INSTALL

### **Specifications**

The completed practice must meet the NRCS Standards and Specifications for Critical Area Planting (342), Vegetation Establishment, Herbaceous Seeding (723), Grassed Waterway (412), and Lined Waterway or Outlet (468) contained in the Field Office Technical Guide.

### **Policies**

#### ***1. Cost-share is authorized for:***

- a. Critical Area Seeding. Permanent vegetative cover based on the Critical Area Seeding component.
- b. Subsurface drains that are necessary for proper functioning of the waterway.
- c. Berm (side dike) removal in accordance with the following guidelines:
  - 1) If the design criteria calls for berms over one foot (12 inches) in height, and this is clearly shown in the drawings and/or specifications, then the district may cost-share on the removal of the berm.
  - 2) Removal of the berm does not extend the maintenance lifespan of the original practice. The contract for construction of a sod waterway with berms that are greater than one (1) foot in height must list berm removal as a component of the practice. The contract should show the appropriate extent of earthwork approved for the berm removal that is technically necessary to meet NRCS standards and specifications. This component should show CS% of 0 on the original contract.
  - 3) The extent of earthwork approved on the contract for the removal of the berm cannot exceed the extent approved on the contract for construction of the waterway. Only the berm removal component is listed on the new contract. The board should not approve the contract until the cooperator is ready to remove the berms.

“Berm Removal” should be chosen from the Special Practice Description dropdown, and the original contract number should be typed in the Original Contract(s) field of the cost-share contract. Acres served should be reported as 0.

- d. Reseeding, under the conditions listed in of Section V, subsection E.
- e. Reconstruction, under the conditions listed in of Section V, subsection F.

2. *Cost-share is not authorized for:*

- a. State cost-share is not eligible for berm removal on waterways cost-shared on by federal programs.

**Maximum State Cost-Share**

Assistance is limited to 75% of the county average cost, not to exceed the state average cost.

**Map Requirements**

A map that displays the completed practice must be scanned and attached as a document type “Map” in MoSWIMS prior to contract payment submission.

**Technical Responsibilities**

Technical staff has the responsibility for determining the need for the practice, for design of the practice based upon the minimum extent necessary, and to certify that the completed practice meets NRCS standards and specifications within commission policy.

**Acres Served**

Acreage that drains into the waterway.

**Extent Installed**

Acres of waterway installed.

**Maintenance Life**

10 years.