# *DWP-1 Sediment Retention, Erosion, or Water Control Structures*

**Purpose**

1. Reduce watercourse and gully erosion.
2. Trap sediment.
3. Reduce and manage onsite and downstream runoff.
4. Improve downstream water quality.

**Applicability**

Applies to sites where:

1. Topography is generally irregular.
2. Sheet and rill erosion is controlled by other conservation practices.
3. Runoff and sediment damage land and improvements.
4. Adequate outlets can be provided.
5. Water and sediment control basins shall not be used in place of terraces.

**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), Fence (382), Grade Stabilization Structure (410), Access Control (472), and Water and Sediment Control Basin (638) contained in the Field Office Technical Guide.

**Policies**

1. ***Cost-share is authorized for:***
   a. Sediment detention or retention structures, such as erosion control dams, sediment basins, or similar structures.
   b. Channel linings, chutes, drop spillways, drop pipes, and tile that dispose of excess water.
   c. Exclusion fence.
   d. Vegetative cover using the Critical Area Seeding component.
   e. Leveling and filling to permit the installation of the structure.
   f. Measures that will contribute significantly to maintaining or improving soil or water quality.

g. Drop pipes with a 12 foot top width, even when less is required by NRCS Standards and Specifications, if the board believes the width is needed to address safety concerns or if there is a potential to create an erosion problem with a lesser top width.

h. Drop pipes that outlet into a channel controlled by a legal drainage district. Cost-share is limited to the top width of the embankment required by the legal drainage district or NRCS standards, whichever is greater.

i. Either an elbow or a weir box, but not both.

j. Reconstruction, under the conditions listed in section V, subsection G.

k. Replacement of a failed spillway pipe, under the conditions listed in section V, subsection H.

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

   a. Irrigation structures that are part of a distribution system for irrigation water.

   b. Any structure built that stores water.

**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 "Map Document" 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 structure.

**Extent Installed**
Cubic Yards.

**Maintenance Life**
10 years.