DSL-5 Diversion

Purpose

1. Break up concentrations of water on long slopes, on undulating land surfaces, and on land that is generally considered too flat or irregular for terracing.
2. Protect terrace systems by diverting water from the top terrace where topography, land use, or land ownership prevents terracing the land above.
3. Intercept surface and shallow subsurface flow.
4. Reduce runoff damages from upland runoff.
5. Divert water away from active gullies or critically eroding areas.

Applicability

Applies to agricultural land where surface runoff water control and/or management is needed. It also applies where soils and topography area such that the diversion can be constructed and suitable outlet is available or can be provided. Diversion shall not be substituted for terraces on land requiring terracing for erosion control.

Erosion Requirements

Practice is eligible for cost-share based on sheet and rill erosion or gully erosion. To qualify based on sheet and rill erosion, erosion rates must be in excess of tolerable soil loss; and post-installation erosion rates must be less than pre-installation erosion rates. To qualify based on gully erosion, post-installation erosion rates must be less than pre-installation erosion rates.

Sheet & Rill Erosion Checks: PRE-INSTALL > POST-INSTALL

PRE-INSTALL > T

Gully Erosion Checks: PRE-INSTALL > POST-INSTALL

Specifications

The completed practice must meet the NRCS Standards and Specifications for Critical Area Planting (342), Dam Diversion (348), Diversion (362), Pond (378), Grade Stabilization Structure (410), Subsurface Drains (606), and Underground Outlet (620) contained in the Field Office Technical Guide.

Policies

1. ***Cost-share is authorized for:***
   a. Diversions, ditches, dikes or subsurface drains where necessary for the proper functioning of the diversion.
   b. Leveling and filling to install an effective system.

c. Removing portions of stone walls or hedgerows, if necessary, to permit establishment of the practice. To avoid losses to wildlife habitat, stonewalls and hedgerows will be removed only when absolutely necessary for the successful completion of the practice.

d. Permanent vegetative cover based on the Critical Area Seeding component.

e. A protective outlet or waterway installed solely as an outlet for a diversion system and serves no other conservation purpose as a component of this practice. A protective outlet or waterway which, by itself, solves a conservation problem and also serves as an outlet for a diversion system should be cost-shared under the practice DWP-1 Sediment Retention, Erosion, or Water Control Structure or DWP-3 Sod Waterways.

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

a. Ditches or dikes designed to impound water or part of a regular irrigation system.

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
Linear Feet.

Maintenance Life
10 years.