

**LINED WATERWAY OR OUTLET  
(CODE 468)**

**DESCRIPTION**

A waterway or outlet with an erosion-resistant lining of concrete, stone or other permanent material. The earth above the permanent lining may be vegetated or otherwise protected.

**PURPOSE**

To provide a more permanent, erosion-resistant lining for areas subject to runoff from other erosion control practices or from natural concentrations of flow.

**CONDITION**

Apply this practice on farmland in areas where concentrated runoff or damage from animals is such that a lining is required to control excessive erosion and permanent vegetation would not otherwise stabilize the area. This practice may also be applied to steep grades, prolonged base flow, seepage, or piping that would cause erosion and water quality concerns.

**POLICIES**

1. The cost-effectiveness must be shown to be \$40/ton of soil saved or less to be eligible for MACS funding. If the cost-effectiveness of the proposed BMP exceeds \$40/ton of soil saved, use the variable rate formula to determine the maximum amount of cost-share funds the applicant could receive from all funding sources. (This does not apply if the proposed BMP is a component of a waste management system.)
2. In cases involving diversion of clean water, the area around which the water is being diverted must be a permanent feature of the operation and it must be an area where livestock wastes accumulate or are stored in large amounts. The location of the area must be such that delivery of the contaminated runoff to local streams or waterways is certain to occur in the absence of proper BMPs.
  - a. A minimum of *fifteen (15)* animal units must regularly use or occupy the area being addressed. Operations with *eight (8)* to *fourteen (14)* animal units may be eligible based on the animal unit cost-effectiveness (reference Section III, page 12, 44.b).
3. This practice may be used in conjunction with other management systems to safely convey excess surface runoff water in a manner that will prevent erosion and the transportation of pollutants carried by runoff to the waters of the State.

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4. Cost-sharing ***is authorized*** for the following:
  - a. The use of stone, concrete, or other permanent materials approved by NRCS to stabilize a channel or outlet.
  - b. Site preparation, grading, shaping, filling, filter cloth, lime, fertilizer and seed needed in the installation of the structure.
  - c. Permanent Fencing (Code 382) to protect water quality and/or the water body banks and beds from damage by domestic livestock. This should be listed as a separate BMP on the Water Quality Project form.
5. Cost-sharing ***is not authorized*** for pipe, stone, or concrete to serve as a crossing or lane over or through the waterway or outlet.
6. Consideration shall be given, when feasible, to the needs of wildlife when establishing this practice.
7. NRCS Standards and Specifications for Lined Waterway or Outlet (Code 468) shall be followed when applying this practice.
8. This practice must be properly maintained for a minimum of ten (10) years. The applicant agrees to provide all equipment, labor and materials needed to meet this requirement.

## **COST-SHARE RATE**

The State cost-share payment will not exceed 87.5% of the total eligible cost, not to exceed \$35,000 per project.

## **ATTACHMENTS**

***Applicant(s) with an outstanding Unsatisfactory On-Farm Status Review of BMP Maintenance and Use of previous project(s) may be ineligible for further MACS Cost-Share funding. When a previous project expires with outstanding unsatisfactory status, the applicant is ineligible for any future MACS funding.***

*The following items are needed:*

1. A copy of a recorded deed(s) for the parcel(s) where the BMP is located. If the current, appropriate deed is already on file in the MACS Office, then record both the agreement number of the file where the deed is kept and the liber/folio numbers in the General Comments section of the application.
2. A copy of the Real Property Data Search page from the Maryland Department of Assessments and Taxation's website ([www.dat.state.md.us](http://www.dat.state.md.us)) indicating the Maryland Property View Account ID Number and owner information.
3. An aerial photograph indicating the property lines as well as all existing and proposed BMPs. For sediment control practices, indicate the drainage area and the direction of flow.
4. A plan view sketch graphically demonstrating the layout and details of the proposed BMP.