

UNDERGROUND OUTLET (CODE 620)

DESCRIPTION

A conduit or system of conduits installed beneath the surface of the ground to convey surface water to a suitable outlet.

PURPOSE

To carry water to a suitable outlet from terraces, water and sediment control basins, diversions, waterways, surface drains, other similar practices or flow concentrations without causing damage by erosion or flooding.

CONDITION

This practice applies to where disposal of surface water is necessary and an outlet is needed for a terrace, diversion, water and sediment control basin or similar practice and a surface outlet is impractical because of stability problems, topography, climate conditions, land use or equipment traffic.

POLICIES

1. To ensure that, fire resistant materials shall be used for this practice components if fire is an expected hazard. All plastics must be UV resistant or protected from exposure to sunlight.
2. Components of underground outlets, including inlet collection boxes and conduit junction boxes, shall be designed with sufficient size to permit maintenance and cleaning operations.
3. In situations where wetlands are destroyed or disturbed, the cooperators are advised, and current wetland policies will be applied.
4. To use the underground outlets to redirect contaminated waters from crop land.
5. To use the installed underground outlets and associated practice which serve as a conservation system to resolve issues related to nutrient and pest management, residue management and filter areas.
6. NRCS Standards and Specifications for Underground Outlet (Code 620) shall be followed when applying this practice either alone or as part of a system.
7. The applicant and the farm's Nutrient Management Plan must be in compliance with Maryland's Nutrient Management regulations (COMAR 15.20.08) at the time of Application. No Applications will be approved without a Nutrient Management Plan Certification Form submitted with the Application (SECTION III, #30).

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. Financial assistance may be provided for repairs if a BMP previously installed with MACS support was damaged due to an unpredictable act of nature and not due to the applicant's negligence or poor maintenance.

9. Operation and maintenance plan must be followed. The plan shall be site specific and include but not be limited to the following: Structures will be checked and necessary maintenance, including removal of debris, shall be performed after major storms and at least semiannually. Water level management and timing shall be adequately described wherever applicable.

10. Cost share **is authorized** for the following:

- a. Roof Runoff Structure (code 558)
- b. *Lined Outlet (code 468)*
- c. *Structure for Water Control (code 587)*
- d. *Subsurface Drain (code 606)*
- e. *Saturated Buffer (code 604)*
- f. *Subsurface Denitrifying Bioreactor (code 605)*
- g. *Wetland Creation for Water Quality (code 658)*

11. Cost share **is not authorized** for the following:

- a) *Vertical Drain*
- b) *Field drainage lateral(s)*

12. Consider measures to reduce the potential for root plugging of distribution lines by woody species. Set planted trees back far enough that distribution lines will not be under the drip line of mature tree canopies. Plant herbaceous species in areas over distribution lines. If the riparian area is currently in trees, either clear the trees or establish an herbaceous zone outside the tree line for the water distribution area.

COST-SHARE RATE

The State cost-share payment, alone or when combined with any other cost-share program, shall not exceed 87.5% of the total eligible cost, not to exceed \$50,000 for the total project.

A secondary cost-share rate of 75% shall be applied to subsurface water collection components used to convey water from a field drainage lateral system to a water control structure (587) not to exceed \$15,000 for the collection part of the 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 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.maryland.gov) 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, also indicate drainage area and direction of flow.
4. A plan view sketch of the area indicating the location of the proposed BMP and graphically demonstrating the layout and details of the project.
5. Nutrient Management Plan Certification Form shall be submitted with the Application (SECTION III, #30).
6. Provisions for Underground Outlet.