

Buffer Management Plan Checklist -Shore Erosion Control- -Revetment/Living Shoreline-

MDE Application

The following information is required to address Buffer mitigation requirements for a living shoreline application or for a revetment application. This information must be included as part of a complete submittal to the Maryland Department of the Environment for a shore erosion control application.

- _____ 1. Buffer Notification Form

- _____ 2. For a **REVETMENT** application: The “Revetment Critical Area Information Sheet and Mitigation Calculator”

- _____ 3. A sketch of the proposed work and Buffer mitigation for the project (or attach a separate plan to this form). The sketch/plan must **CLEARLY** show the location and the amount of disturbance to the Buffer that is proposed, including any areas of grading, access, stockpiling, and tree clearing. In addition, the plan must provide information on the total number and size of trees to be removed, the arrangement of the mitigation planting, and the quantity and size of the mitigation (fill out the chart below). A note must also be included on the plan stating that the Buffer will be flagged in the field during construction.

SKETCH:

MITIGATION CALCULATOR:

Vegetation Type (Species)	Minimum Size	Credit (Square Feet)	Quantity Provided	Mitigation Provided (Square feet)
Canopy Tree	2" caliper and 8' high	200		
Canopy Tree	1" caliper and 6' high	100		
Understory Tree	1" caliper and 6" high	75		
Large Shrub	1 gallon and 4 feet high	50		
Small Shrub	1 gallon and 18" high	25		
Herbaceous perennials	1 quart	2		
Planting Cluster 1	1 Canopy Tree plus 3 Large Shrubs or 6 Small Shrubs of sizes listed above	300		
Planting Cluster 2	2 Understory Trees plus 3 Large Shrubs or 6 Small Shrubs of sizes listed above	350		
Total Mitigation Provided				sq feet

Local Permit Application

The following additional information is required to be submitted as part of the Buffer Management Plan when applying for a municipal or county permit associated with shore erosion control. **THIS INFORMATION IS NOT REQUIRED AS PART OF THE MDE APPLICATION:**

- _____ 1. A landscape schedule/chart showing the proposed species and type of plants, and the proposed planting date;
- _____ 2. A signature block for the party responsible for the proposed shore erosion control projects and for ensuring the survival of the planting
- _____ 3. A maintenance plan for the control of invasive species, pests, and predation with provisions for two years of monitoring and reinforcement plantings if survival rates fall below the requirements found in COMAR 27.01.09.01-2M and N.
- _____ 4. An inspection agreement that grants permission to the local jurisdiction to inspect the plantings at appropriate times.
- _____ 5. **For Major Buffer Management Plans ONLY:** A long- term protection plan that includes evidence of a financial assurance that, in accordance with municipal or county requirements, adequately covers the cost and survivability of plant material, installation, labor, and maintenance of plantings; a provision for at least two years of monitoring, as required under COMAR 27.01.09.01-2M and N; and an anticipated planting date