Revetment Draft Buffer Management Plan

This form provides the instructions for submitting a draft Buffer Management Plan under the Joint Permit Application for a shore erosion control project involving a Revetment.

INSTRUCTIONS

Complete and submit Sections A - E of this form and the Buffer Notification Form (page 6) to the Maryland Department of the Environment (MDE) as part of a complete Joint Permit Application.

SECTION A: GENERAL DESCRIPTION

1. Provide a short description of the proposed work:

Installing a 150 linear-foot revetment, of which, 5 feet will be located landward of mean high water and 10 feet will be located channelward of MHW.

2. Applicant Information:

Name: Stacy Sunshine		
Address: 123 Creekside Lane		
City: Rivertowne	State: MD	Zip: 12345
Telephone: 555-555-5555	E-mail address: stacysunshine@sun.com	

Property Owner: ☑ Yes ☐ No

3. Contractor Information:

Name: Contractor Solutions		
Address: 2357 Contractor Lane		
City: Contractortowne	State: MD	Zip: 6789
Telephone: 444-444-4444	E-mail address: contractorsolutions@towne.com	

4. Work site address if different than Applicant address above:

Address:		
City:	State:	Zip:

5. If not provided as part of the MDE application, provide recent photographs (within the past six months) of the proposed area where shore erosion control work will be conducted, including photos of the Buffer.

6. The project site will be accessed during construction by (select one):

☐ Water (via Barge)

☑ Land. If by land, will existing access road be used? ☐ Yes ☑ No

☐ Other (please specify): _____

SECTION B: IMPACTS

Type of Impact	Impact Amount (sq.ft.)
1. Limits of Permanent Disturbance (LOD) as measured from the landward edge of tidal wetlands or the mean high water.	750 sq. ft.
2. Tree Canopy Coverage Removed	400 sq. ft.
3. Total Mitigation Required	1,150 **sq. ft.**

SECTION C: MITIGATION

Determine which type (Type 1 or Type 2) on the following page fits the proposed project, and complete the information requested in the associated table.

Note: The local jurisdiction has the right to verify the shoreline conditions as documented on this form. Buffer mitigation shall be provided in accordance with the appropriate table below, COMAR 27.01.09.01-2.J-M, or within a local jurisdiction's approved Buffer Mitigation standards.

Type 1 Existing Buffer is LAWN or LAWN interspersed with trees **AND** Permanent Buffer disturbance[1] extends less than 10 feet landward (as measured from the edge of tidal wetlands or mean high water)	
Proposed Mitigation for the LOD	
1. a. Provide a Filter Strip* Linear Length of Project (150 ft) X Average Width Above MHW (10 ft). **AND/OR** b. Provide mitigation in accordance with the Planting Credit Table** (NOTE: a. or b. or a combination of both must equal or exceeds B.1)	1,500 **sq. ft.** **sq. ft.**
Proposed Mitigation for Tree Canopy Coverage Removed	
2. Provide mitigation in accordance with the Planting Credit Table**	400 **sq. ft.**
3. Total Mitigation Provided (1+2+3 must equal or exceed B.3)	1,900 **sq. ft.**

Type 2 Existing Buffer is DENSELY VEGETATED/FORESTED **OR** Permanent Buffer Disturbance[1] extends more than 10 feet landward (as measured from the edge of tidal wetlands or mean high water)	
1. Provide mitigation in accordance with the Planting Credit Table** **(Total must equal or exceed B.3)**	**sq. ft.**

[1] Permanent Buffer disturbance is defined as a material, enduring change in the topography or landscape. It includes grading or clearing of a tree, forest, or developed woodland. This also includes the area where rock or revetment material is placed.

*Filter Strip:

At the shoreward edge of the Buffer (above mean high water), provide a filter strip consisting of a mixture of native warm season grasses, shrubs, and herbaceous plants that are appropriate for the climate, soil, and hydrology of the site. The filter strip must be the length of the shoreline project and an average width of 10 feet. Except for a permitted water-dependent access point, the strip may not be less than 5 feet in width at any point. No more than 25% of the strip may be less than 10 feet in width.

**Planting Credit Table:

The following table from COMAR 27.01.09.01-2.L may be used to help determine the amount of vegetation to plant to meet mitigation requirements.

Note: Species selections to be used to fulfill the Buffer mitigation requirements can be found here.

Vegetation Type (Species)	Minimum Size	Credit (Sq. Ft.)	Quantity Provided	Mitigation Provided (sq. ft.)
Canopy Tree	2” caliper and 8’ high	200	2	400
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		
Mitigation Provided				400 **sq. ft.**

SECTION D: DRAFT SKETCH

Attach a draft Buffer Management Plan sketch to this form that includes the following components:

- ☑ The Critical Area Buffer.
- ☑ The location and the amount of disturbance to the Buffer that is proposed, including any areas of grading, access, stockpiling, and tree clearing. Cross sections showing any proposed grading is preferred.
- ☑ The total number and size of trees to be removed, the arrangement of the mitigation planting (including filter strip plantings), and the quantity and size of the mitigation. Note: use Section C of this form to determine the correct amount of mitigation.
- ☑ A note stating that the Buffer will be flagged in the field during construction.

SECTION E: CERTIFICATION

I will abide by this form and the attached Buffer Management Plan, if approved, and will not conduct any work beyond the limits of this plan and the corresponding MDE authorization. I understand that municipal or county staff may contact me and arrange to inspect the work. Disturbance within the Buffer beyond what is described herein is a violation of State and local laws. I also understand that the information listed in herein will be required as part of a submittal for local approval of this shore erosion control application.

I certify that the information on this form is true and accurate to the best of my knowledge and belief.

**PROPERTY OWNER SIGNATURE: _____

DATE: 10/25/2024

****PLAN IS INVALID WITHOUT A PROPERTY OWNER SIGNATURE**

CRITICAL AREA BUFFER NOTIFICATION FORM

NOTICE TO SHORE EROSION CONTROL APPLICANTS

WHEN submitting a shore erosion control application to the Maryland Department of the Environment (MDE), the riparian property owner or their representative shall include this form along with the draft Buffer Management Plan.

Examples of Buffer Management Plans can be obtained by contacting the local government or the Critical Area Commission. This information is also available on the Commission's website found here:

1. MDE may determine the application is incomplete if a **COMPLETED** DRAFT Buffer Management Plan or this form is not included with the application.
2. In addition to a federal or State authorization, a local government approval is required before you begin your project.
3. Before beginning any work, including site preparation and stockpiling of materials, the riparian property owner or their representative must obtain:
    a. An authorization from MDE and the U.S. Army Corps of Engineers to construct and install a shore erosion control measure;
    b. Approval of the Buffer Management Plan from the local jurisdiction; AND
    c. Any other required local permits.
4. Buffer disturbance without a locally approved Buffer Management Plan or buffer disturbance that is not consistent with a locally approved Buffer Management Plan is a violation of State and local laws.

CERTIFICATION;

I have read and understand the requirements described in this NOTIFICATION FORM. I will abide by these requirements and the conditions of any State authorization and/or local approval. I will not begin any work without all required proper authorizations. Upon reasonable notice, I authorize the right to enter for periodic on-site evaluation by official representatives of the local Critical Area permitting authority.

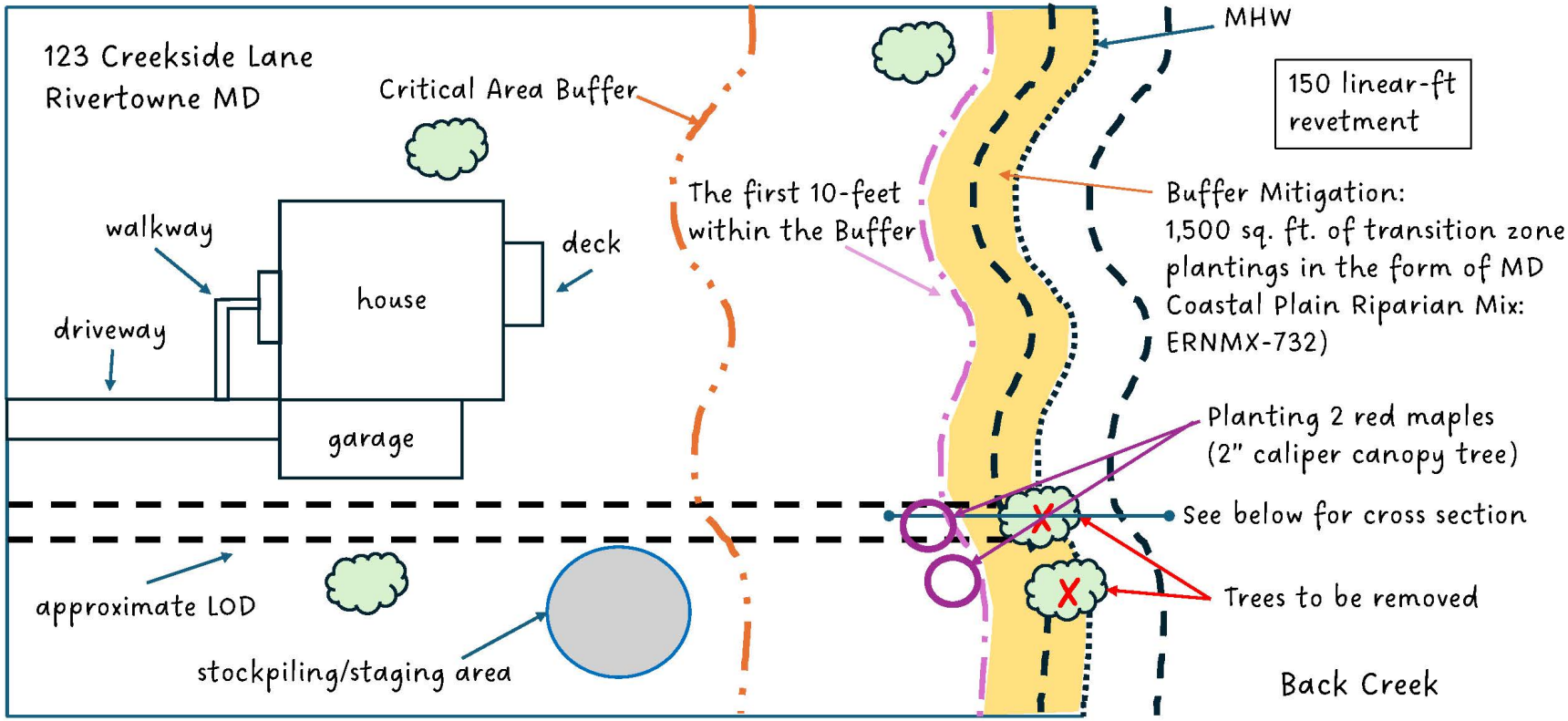
SIGNATURE OF RIPARIAN PROPERTY OWNER OR REPRESENTATIVE:

PRINTED NAME: Stacy Sunshine DATE: 10/25/2024

ADDRESS OF SHORE EROSION CONTROL PROJECT (Include city and zip):

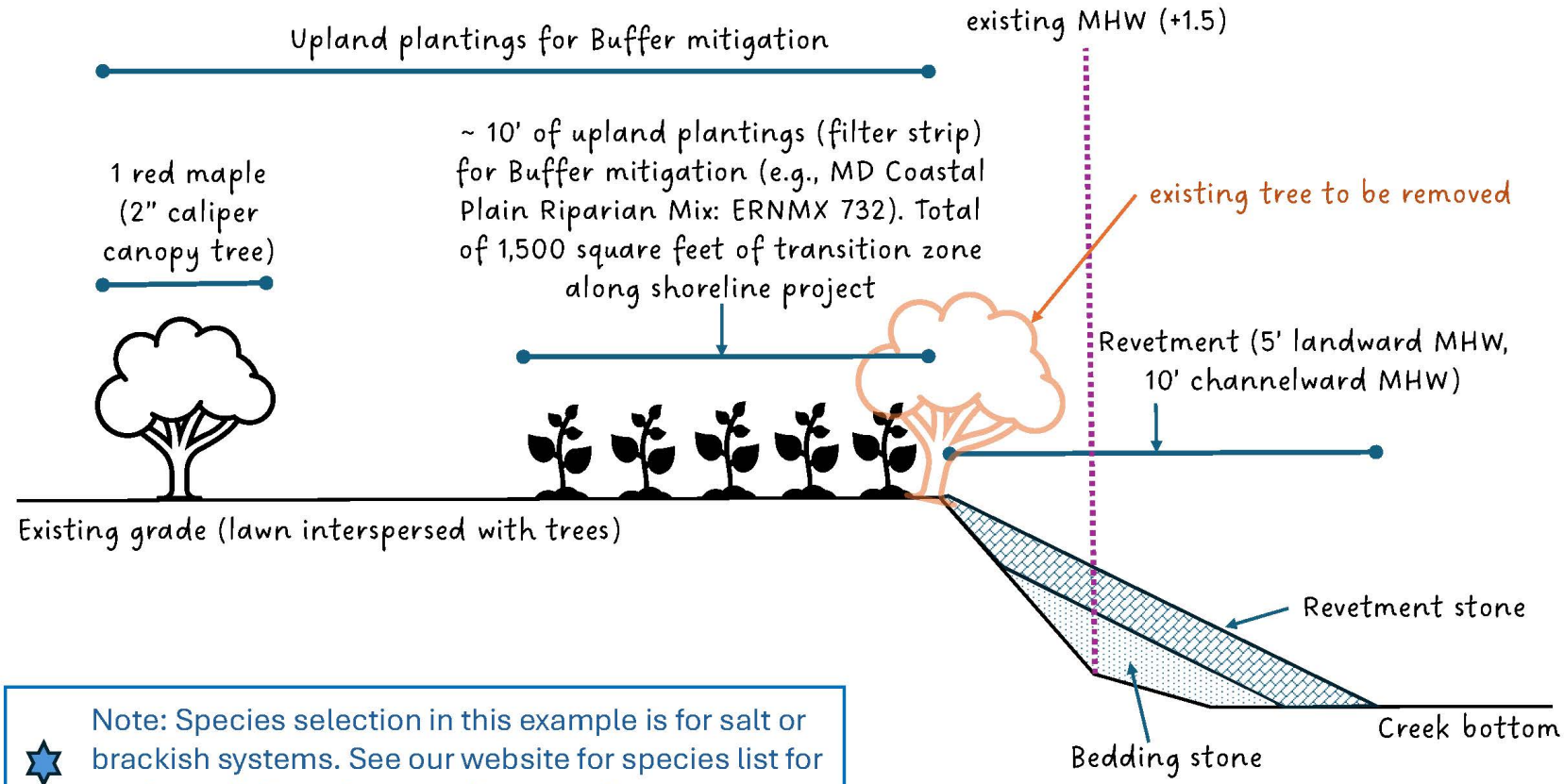
123 Creekside Lane, Rivertowne MD, 12345

Type-1 Revetment Draft Buffer Management Plan Sketch



* Buffer will be flagged in the field during construction

Cross section of Revetment



Note: Species selection in this example is for salt or brackish systems. See our website for species list for varying salinity regimes and topography.