



Additional Information and Drawing Checklist

Shoreline Stabilization – Bulkhead, Seawall, Revetment, Riprap

These structures are built to protect a shoreline from erosion.

Bulkheads and seawalls are usually vertical structures built to prevent waves from eroding shoreline, or to level off a yard sloping toward water's edge. A seawall with sufficient riprap and filter cloth placed at the toe is not considered a vertical seawall.

Revetments and riprap are usually made of large loose irregularly shaped stone or other material such as limerock or clean concrete rubble and have a slope on the waterward face.

This checklist is intended to supplement, not replace, the general information requirements outlined in Sections D, E and G of the Joint Application.

Written Description (use additional sheets if needed)

- ☐ Length of the shoreline stabilization, in linear feet
- ☐ Type of material used (i.e. metal sheet pilings, wood, clean concrete riprap)
- ☐ If wood is used, describe preservation method
- ☐ For riprap, describe the size of material used
- ☐ Construction methods – including how the material will be transported to the site, how it will be installed or placed, and the sequence of construction events.
- ☐ Turbidity, erosion and sedimentation control methods
- ☐ Purpose of shoreline stabilization – justify need for vertical structure, if proposed
- ☐ Describe the natural or existing condition of the shoreline, include vegetation
- ☐ Describe any effects the structure will have on navigation
- ☐ For projects that are not single-family, include summary table 5, attached to section E

Drawing Items (to be included in addition to general drawing requirements listed in the General Checklist)

- ☐ Complete dimensions (length, width, height) of the structure
- ☐ Volume and area of fill involved for the actual structure (wall or riprap) in cubic yards and acres/square feet
- ☐ Volume, dimensions and location of backfill to the landward edge of wetlands
- ☐ For riprap, show slope ratio - Horizontal:Vertical
- ☐ For riprap, show placement of filter cloth
- ☐ Location of structure in relation to MHW and MLW (tidal) or OHW and OLW (non-tidal)
- ☐ If replacing or repairing a structure, show location of existing structure, and location of new structure (Seawalls may be placed upland of, in the same location, or 1 foot waterward of the previous location)
- ☐ Location of any existing neighboring structures
- ☐ Show how your structure will tie into neighboring structures
- ☐ Area of wetlands to be filled in acres and square feet
- ☐ Show structures to be built on backfill areas
- ☐ Include detailed cross-section view with complete dimensions
- ☐ Show location of turbidity, erosion and sedimentation controls
- ☐ Show any anchoring mechanism for the seawall (see sample drawing)
- ☐ Show the location of any native planting
- ☐ Label species to be used, if planting
- ☐ Show water depth in planting areas

Note to Applicant:

Not in Aquatic Preserves: any structure that extends waterward of the mean or ordinary high water line in State-owned submerged lands will require proprietary authorization. A proprietary Letter of Consent may be requested for bulkheads and seawalls no more than 3 feet waterward of the mean or ordinary high water line, or riprap no more than 10 feet waterward. Anything past these thresholds will require a state-owned submerged lands lease or easement with applicable fees. Any commercial use will require a lease regardless of distance waterward of the mean or ordinary high water line.

In Aquatic Preserves: no bulkheads, seawalls or filling will be permitted waterward of the mean or ordinary high water line, except in certain limited circumstances (Section 18-20.004(1)(c)).