



Additional Information and Drawing Checklist

Groin, Breakwater, Jetty

Breakwaters, Groins and Jetties are shoreline stabilization and protection structures.

Breakwaters are set off of, and parallel to the shoreline and function to break the force of the waves.

Groins are set perpendicular to the shore and are used to prevent loss of beach sediments and to capture sand.

Jetties are also set perpendicular to the shore and are used to protect and extend the mouths of channels and harbor entrances.

Use this checklist to check your application for completeness. Make sure all applicable information is included. This checklist is intended to supplement, not replace, the general information requirements outlined in Sections D and E of the Joint Application.

Written Description (use additional sheets if needed)

- ☐ Purpose of the project
- ☐ Description of the existing conditions of the site, including descriptions of submerged vegetation
- ☐ Type, size and amount of material to be used to create the structure
- ☐ Proposed construction methods and equipment

****Sediment testing and a hydrographic study will be required for this project. Contact your local district office to schedule a pre-application meeting. Do not begin any testing without consulting the district office.**

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

- ☐ Overall height referenced to NGVD or NAVD, length, top and bottom widths
- ☐ Structural details

- ☐ Location of the structure in relation to uplands and/or fixed reference points, including affected waterbodies
- ☐ Show locations of any submerged vegetation in the area
- ☐ Spoil disposal plans and details
- ☐ Location of turbidity, erosion and sedimentation controls
- ☐ Show selected testing locations on the project drawings (contact district office for location selections)

Note: Special manatee awareness precautions may be required by the regulatory agencies.