

# Aldeburgh Coastal Defences

## Design of sea defence improvements

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Aldeburgh, Suffolk, UK



Exposed sheet pile toe at Slaughden, south of Aldeburgh – February 2015

**Client:** Environment Agency

**Services provided:**

- review of coastal processes
- concept design
- provision of advice, guidance and review of detailed design.

Rapid beach loss had been experienced during the winter of 2013/14 at Slaughden just south of Aldeburgh. A breach of the seawall at this location would provide a new connection to the estuary behind, adversely affecting people, property, businesses and the environment. The Environment Agency had funds available to reinstate the coastal defences over a 200m length in order to protect against failure of the seawall, and sought assistance from ENBE to develop a concept and to assist the Client with detailed design.

ENBE undertook a review of the coastal processes and studied the historic trends of the coastline to assess future evolution. This informed the development of a concept scheme to manage the risks for the next 20 years or more. The scheme developed by ENBE has been designed to fit with the constraints of the site, the project budget and to avoid any significant impact upon the local coastal processes.

In undertaking this project, ENBE has worked with the Client as a project team to develop their in-house skills.