

### **Cliff Road Sea Wall strengthening, Holland-on-Sea**

Work on a £2.2m scheme commenced on 3rd October 2011 and was originally scheduled to run through to March 2012. However due to complications regarding the installation of the sheet piles the contract completed in May 2012.

Cliff Road Sea Wall before works commenced:



The scheme location was between Fernwood Avenue and Cliff Road and the site compound was located in the Brighton Road car park. The scheme consisted of 230m of sea wall supported by rock armour, a concrete vehicular access ramp and a set of timber steps.

Due to the location and nature of this scheme, a large volume of the work was dependent on tidal changes.

The below image shows one the barges used to bring in the rock deliveries



The below image shows the rock revetment being replaced



The below image shows the piles being driven using a Giken pile press



The below image shows the completed access ramp piling



The scheme had approval of the Environment Agency and the Marine Management Organisation.

The consulting engineers for the scheme were [Richard Jackson Limited](#) of Hadleigh, Suffolk.

The CDM Co-Ordinator was [Daniel Connal Partnership](#) of Colchester.

The contractor was [J Breheny Contractors Ltd](#) of Ipswich, Suffolk