

## Worthing, West Sussex

### Our Services

- Investigation
- Design
- Supervision



### Innovative Design of Seawater Cut-off Wall

Seawater seepage through the shingle bank behind the beach at Worthing was an issue for the existing residential area and proposed future developments. A barrier was required to prevent contamination and flooding.

The innovative scheme designed by **CGL** was to install plastic sheet piles 5 metres deep along a 500metre section of beach to form a storm-water barrier.

The plastic sheet pile system has major advantages in such environments as corrosion within the design life is effectively zero and speedy installation is possible with lightweight equipment.

Andy Williams of Worthing Borough Council commented that “after some initial scepticism as to whether the plastic piling could be successfully vibrated through the shingle beach, we are very pleased with the completed scheme. The piling was carried out in this popular and well used location with minimal disturbance to the local residents and to the general public. It also generated significant interest from other coastal authorities. A good working relationship enabled the scheme to be delivered on time and on budget.”

Client: Worthing Borough Council  
Contractor: Cofra UK