

# Kingsdown Seawall Repairs

## Dover District Council



The seawall collapse at Kingsdown required Ovenden Allworks Ltd to undertake emergency repairs to maintain the level of defence in front of the village. The works were critical to upholding the level of defence.

The existing mass concrete wall sits on 2 bearing piles, driven into the chalk approximately 3m below the wall base. The walls are secured from falling seawards with tie rods to mass concrete anchor blocks to the rear of the wall and rely on the mass of shingle behind the wall to prevent the wall falling landwards.

The beach shingle had eroded to a level which allowed shingle to escape under the wall and be washed to sea thus exposing the wall to storm damage

Shingle had to be removed from behind the seawall to allow for the manoeuvring of the concrete wall back into position. A geotextile liner was placed behind the wall, large sand bags filled with concrete were positioned on the liner to form a secondary defence and prevent further loss of material being eroded under the wall until the beach could be replenished at a later date.



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