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# PROJECT: LOSSIEMOUTH SEAWALL REPAIRS

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VALUE: **£340,000**  
ROLE: **MAIN CONTRACTOR**  
START DATE: **JANUARY 2014**  
COMPLETION: **MAY 2014**

CLIENT: **MORAY COUNCIL**  
**DIRECT SERVICES**  
**ELGIN**  
**IV30 1BX**

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- 15.7m seawall
  - Reinforced concrete base and wall core
  - Wall clad in reclaimed stone on seaward side and new stonework on landside
  - Landscaping of the park including granite setts and tarmacadam
  - 100m<sup>2</sup> of repointing using underwater pressure pointing mortar
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A section of the crest wall along the top of the revetment, approximately 15.7m in length, was badly damaged during a storm which occurred in December 2012. Most of this section of the crest wall is reported to have collapsed under the effects of wave action leaving a gap in the top of the structure.

The work involved carrying out repair works to the revetment, crest wall and seawall including the following:

- Construction of a new masonry clad, reinforced concrete up stand wall at the location of the collapsed section of the crest wall to tie in with the existing wall at either side of the breach.
- Backfilling and reinstatement of the granite sett paving to the area behind the damaged crest wall.
- Raking out and pressure grouting of the joints between individual stone blocks throughout the face of the revetment and crest wall over a 30m length of the structure centred around the collapsed section of the crest wall.
- Removal of temporary propping prior to backfilling of the void at the base of the seawall to the south end of the site with mass concrete and reinstatement of the masonry facing.



*Damaged seawall*



*Reinstated seawall*

## CHALLENGES

- Extremely sensitive location susceptible to weather and tidal swells. Works undertaken over winter months on the Moray Firth
- Access for stone cladding extremely challenging due to the nature of the sea conditions on the seaward side
- Works had to be intrinsically planned around tides and weather conditions and windows of opportunity ceased to undertake majority of the works
- Works undertaken during the worst month since records began for sea conditions