
PROJECT: ENDEAVOUR WHARF WHITBY, NORTH YORKSHIRE

VALUE: **£390,000**
ROLE: **Main Contractor**
START DATE: **September 2017**
COMPLETION: **December 2017**

CLIENT: **Scarborough Borough Council**
St Nicholas Street
Scarborough
YO11 2HG

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- Break out of existing concrete deck
 - Removal of sheet pile sections
 - Reinstatement of concrete deck
 - Replacement of timber fenders
 - Diversion of water main
 - Phased completion of the works
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Endeavour Wharf is located on the west side of Whitby Harbour. The Wharf consists of a 375m length of steel sheet piles of which two sections, originally installed in the late 1950's, had significantly deteriorated, with corrosion evident throughout. Following a competitive tender process, Southbay were awarded a remedial works package across a 170m length at the southern end of the Wharf.

Following discussions with the Harbourmaster and council, the works were carried out in 4no. phases so as to limit disruption to those using the harbour.

Initial works involved breaking out and excavating the existing deck down to the relieving slab. The sides of the exposed excavation were then battered back to prevent collapse. The inside face of the existing sheet pile was then jet washed and covered with a layer of visqueen. The relieving slab was also jet washed before dowels were drilled and resin fixed at predetermined locations. This allowed for 6no. lightweight concrete pours which formed the new deck slab. In constructing the new deck slab an existing water main was diverted and new water points were installed along with new drainage / weep holes.

Following completion of the concrete works, the top of the existing sheet piles, which were heavily corroded were then removed along with the upper section of the timber fendering which required replacing due to wear and deterioration.

New sections of timber fendering were then spliced, drilled and fixed to the lower section and then attached to the newly cast concrete using resin fixings. High density plastic rubbing strips were then attached to the timber fenders.

Timber edgings were then drilled and fixed to the top of the edge of the new concrete quay. Finally dowels and reinforcement were fixed to form the new deck slab, which tied into the existing slab, concrete was pour and was given a brush finish.



The works were delivered in four distinct phases so as to reduce disruption to those using the harbour



HEALTH AND SAFETY

Significant pre planning with the client and stakeholders ensured deliveries and plant movements could be safely co-ordinated within this busy tourist location. The project was successfully delivered with no incidents.