



Client: Red Earth Bideford

### Requirement:

The Harbour Wall Remedial Works Project undertook a comprehensive approach to address a range of repair needs for the masonry harbour wall situated at Brunswick Wharf in Bideford.



### Solution:

The project's primary objectives encompassed several vital aspects, including the reconstruction of specific wall segments with the incorporation of reinforced concrete backing. Furthermore, the initiative involved the introduction of precast concrete copings and the construction of a reinforced concrete slab.

The successful execution of this project followed a step-by-step process. In the initial phase, targeted portions of the wall underwent a careful dismantling procedure, subsequently being restructured with the integration of new reinforced concrete backing for added strength and durability. To further enhance the structural integrity of the existing masonry, specialized components like Cemties, Cintec anchors, and Helibars were methodically installed to stabilise and reinforce the structure. To effectively fill any voids or cracks behind the original masonry, injection grouting was employed followed by the wall being re-pointed.

The concluding stages of the project focused on both the functional and aesthetic aspects. The introduction of new precast copings not only contributed to the wall's visual appeal but also added to its functionality. This was followed by the installation of fresh RC slabs positioned behind these copings and the installation of new drainage pipes and flap valves.

