

Riverbank Protection

Location:
Humber Estuary

Client:
The Crown Estate c/o
Carter Jonas (Agents)

Value:
£280,000



Civil Engineering

Structural
Engineering

Building Consultancy

Geotechnical and
Geoenvironmental
Engineering

Project
Management

Specialist services

The existing flood bank at Hawkins Point provides flood protection to a vast amount of grade 1 and 2 agricultural land within Sunk Island on the north bank of the Humber Estuary.

Any breach of the flood defence bank would inundate the land behind the bank on high tides and cause huge economic damage to the land. The bank is actively eroding at the toe and therefore the bank protection scheme has been designed and will be constructed to address this.

Engineering and Design Factors

Alan Wood & Partners provided a full design package, including initial inspection, topographical survey, costed design option appraisal and final design. The final design was selected in order to minimise disruption whilst working within a Special Area of Conservation, Special Protection Area and Ramsar site in addition to the it's national designations for SSSI and Important Bird Area.

Following the completion of the design, Alan Wood & Partners provided a Flood Risk Assessment, Habitat's Regulations Assessment, Ecological Impact Assessment and Construction Environmental Management Plan all required to supplement the applications for Planning consent, Marine Licence & Environmental Permit.

Upon receipt of the required licences Alan Wood & Partners were also asked to develop a tender package, manage the procurement process and undertake Project Management & Site Supervision Duties under the selected NEC Option A Contract.

Description of the Works

Construction of flood bank protection consisting of circa 2800T of Granite Primary & Secondary Armourstone underlaid by a suitable geotextile.

Core services

Civil Engineering / Structural Engineering / Project Management / Maritime Engineering

Sectors

Maritime