



STEEL PILE FLOOD DEFENCE SCHEME AT BROUGH

Client:

Birse Civils Limited

Summary:

Steel Pile Flood Defence Scheme at Brough



PROJECT DETAILS

We were asked to form a permanent wall of sheet piles to help with the Flood Defence Scheme. **The site was located within an environmentally sensitive area**, on one side of the flood bund was the shoreline and on the other was a drainage ditch which may have contained water voles, which are a protected species. The site was also close to BAE Systems, where we needed to be able to stop work at a moments notice to allow aircraft to land/takeoff on the adjacent airfield.

Description of works

Approximately 736 nr PU8R grade S355 GP permanent sheet piles, 8.5 metres long were installed to form a section of the new Flood Defence approximately 440 metres long. These were initially to be installed using a Movax SP50F Vibro and 25T Excavator. Due to driving difficulties/ground conditions encountered (ie not as stipulated on the borehole log) on site we needed to upgrade the machinery to our SPH75 and 38T Excavator.

