

Providing the very first on-demand white water rafting facility in the UK.

Project Overview

Design and construction of a new olympic-standard canoe slalom and white water rafting facility, now officially known as **Cardiff International White Water (CIWW)**.

Key Benefits

- Regenerating an area of remediated land within the Cardiff International Sports Village development.
- Providing world class facilities for national teams in training for 2012.
- This is the second Dean & Dyball built scheme to provide an early legacy for Great Britain.

Project Description

No end of challenges greeted the team through each phase of this project, not least completing installation of the sheet piled wall, the first major hurdle. When below ground obstructions prevented one of the piles being driven there was no option but to work around it and carry on. Piling had to be complete by the end of February (2009), to comply with EA restrictions and the fish spawning season.

With all remaining piles in place and time running out, an access way was built in the river allowing heavy machinery to move in and forcibly remove the obstacle – a timber joist from the old coal staithes.

The changing and control facilities are housed in a precast, piled, two storey, steel framed and clad building.



Completed canoe slalom and white water rafting facility



Conveyor in operation



Enjoying the rapids

Canoeists access the course via pontoons or a conveyor, the latter of which was erected with driven sheet and H piles. This and the main reinforced concrete works were constructed after a number of complicated alterations were carried out to strengthen the existing tied sheet piled wall.

The site was challenging for the diversity of the work, the small physical footprint of the scheme, which will in turn led to logistical challenges, and the highly sensitive nature of the surrounding environment.

This scheme was registered as a demonstration project with **Constructing Excellence Wales**.

Contract Title:
Canoe Slalom

Client:
Cardiff County Council

Duration:
68 weeks