

HEALTH & LEISURE



CONTRACT: K2 Leisure Centre, Crawley

CONTRACT PERIOD: 78 Weeks

CLIENT: Gleeson Construction
 Haredon House
 London Road
 North Cheam, Sutton
 Surrey SM3 9BS

VALUE: £5.1 million

CONTRACT DESCRIPTION:

The construction of the new leisure centre incorporated an Olympic size swimming pool with a full competition diving platform constructed in reinforced concrete to high tolerances due to competition standards.

The original site prior to construction was on a 6 metre incline which meant a 11,000 cut & fill exercise to be completed to the athletics track with crib lock walls being installed to fill areas.

An existing culvert diversion was carried out prior the swimming pools being constructed. Due to artesian water pressure a pressure relief system was installed and maintained until full construction of the main pool was completed.

600 tons of reinforcement to include 32 ml diameter and 7000 cubic metres of concrete were used in the complicated design of the project.

A complicated drainage scheme was installed as work progressed incorporating pipe work from 100- 600 diameter.

The foundations consisted of substantial reinforced bases with reinforced columns.

The sunken squash courts were constructed using the voltex waterproof method incorporated with the RC works.

Power float floors were installed to within a 4 ml tolerance due to high specification flooring to be installed.

The superstructure comprised of reinforced concrete being installed to hollow rib deck with various edge beams, power float finish was required to plant room areas.

External car parks and service roads comprising of tarmac construction.

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