

ENABLING WORKS FOR 2014 COMMONWEALTH GAMES	
Description:	Mine consolidation, earthworks and main drainage
Form of Contract:	ICE 5 th Edition
Duration:	18 months (estimated completion Dec 09)
Contract Value:	£12,500,000 (estimated)
Client:	Glasgow City Council
Project Manager:	Davis Langdon

We were delighted and honoured with the award by Glasgow City Council of this major package of advance works for the Commonwealth Games in 2014, on a site which has had both an industrial and residential history.

Situated in the Parkhead district adjacent to Celtic Park, the project stabilised and prepared the site ready for major redevelopment of the area. New buildings at this location - including the Velodrome and the National Indoor Sports Arena - will be used for the Games and then provide much needed community sports facilities as a lasting legacy.

Starting work on site in June 2008, we carried out site clearance, removed redundant services and remediated contaminated areas of the site. The single largest component of the project was the consolidation and grouting of mineshafts and two coal seams under the building footprint. This initial exercise required 8-10 drilling rigs for a period of 44 weeks.

We installed the main surface water and foul drainage networks and delivered the first phase of the Camlachie Burn Surface Water Relief Scheme; providing a new outfall for surface water drainage to the River Clyde some 600m from the site. The Camlachie scheme also required both thrust boring and open excavation under dense services in Springfield Road.

Our scope of work was extended to include advance earthworks and a further substantial mine consolidation exercise for a new hotel. In total, some 140,000m³ of soils were moved during the phased sequence of bulk earthworks across the whole site. With the exception of a small volume of vegetation taken to a recycling centre all materials were re-used on site, including 6,000m³ of concrete and brick from foundations, hardstandings and access chambers.

An additional 400m³ of granite setts was segregated and set aside for future landscaping work.

