

## CASE STUDY

## TREATMENT & DISPOSAL OF CONTAMINATED SOILS

### PROJECT:

National Indoor Sports Arena, Glasgow

### PROJECT VALUE:

£1,300,000

### PROJECT TIMESCALES:

10 WEEKS

### DATE AWARDED:

January 2012

### FORM OF CONTRACT:

ICE 5th Edn

### CHALLENGE:

**As part of the preparations for the 2014 Commonwealth Games, derelict land adjacent to the Sir Chris Hoy Velodrome and National Indoor Sports Arena in the East End of Glasgow is being re-developed for proposed retail and leisure use.**

**ERS was engaged to haul and treat or dispose of the 50,000 tonnes of hazardous and non-hazardous soils which were excavated by others as part of the ground preparation works. The project had to be completed within very tight timescales (12 weeks), complying with all regulatory constraints which were of particular significance to the Client.**

### SCOPE OF WORKS:



ERS was contracted to dispose of all waste soils, which had previously been classified by the Client's Engineer. ERS identified the most robust, cost viable options for treatment and or/disposal for both hazardous and non-hazardous material.

On-site testing provided rapid delineation of soils permitting quick identification of the most appropriate treatment/disposal option.

Material which was not suitable for treatment was moved off site to a suitable landfill facility. Circa 15,000 tonnes of material were identified as suitable for ex-situ bioremediation. This soil was subsequently treated, allowing for its re-use.

### OUTCOMES:

Identifying soils which could be treated resulted in a considerable reduction in the volumes of soil which required disposal. This resulted in a £225,000 saving to the client through reducing disposal costs.

ERS were given a tight, 12 week schedule to complete the removal of the soil. This target was met with works concluding on site two weeks early.