OMEGA
Environmental Services Ltd

Primark

Name of Project: Primark

Value: £750,000.00

Duration: 2 months

Contract location: Bristol

Sector(s): Retail

Type(s) of work: Land Remediation

Description of work

The spoil and back-fill to the basement was contaminated with elements of AIB debris. Whilst the actual quantity of asbestos was unknown on site the other significant hazards were manual handling and excavation. This project was designed to combat these two hazards and that of asbestos contamination within the fill material. Manual handling was minimised by the use of 'Brokk' robotic controlled demolition machines, hoist and 1 tonne Euro waste sacks for the excavation and disposal of waste. The project was split into several phases.

Scope of works includes

Phase 1: Environmental clean of the Main Access Zone, this took the form of a pre-clean of the entire floor, ledges, pipes and the Client's 'Brokk' robotic controlled demolition machine. Following cleaning, this device was utilised on site, re-cleaned and returned to the client. In addition the small amount of AIB that was been collected and left near the backfill area was removed.

Phase 2: Removal of the spoil heap, concrete cap and contaminated backfill. This was conducted under fully controlled conditions, with the potential for a reduction from Full face mask to Orinasel ½ mask as suitable monitoring results are achieved.

Phase 3: On completion of the excavation works, all exposed areas/ remaining contaminated ground/ infill rubble were capped, this was achieved by using timber/ polythene for sloping ("battered") surfaces and following the removal of the temporary staging poured concrete was applied to any remaining contaminated soil.