

## Case Study – Recycling Demolition Waste

### RECYCLING DEMOLITION WASTE, BARTS AND THE ROYAL LONDON HOSPITAL

Barts and The London NHS Trust commissioned Skanska Innisfree to manage and redevelop the St Bartholomew's Hospital and the Royal London Hospital, a programme involving the design, demolition, construction and refurbishment of two sites to make way for a 270,000m<sup>2</sup> new hospital complex.

- Skanska engaged with their demolition contractor Keltbray to develop key sustainability commitments.
- An initial recycling rate of 60% was set for both construction and demolition waste; this was subsequently increased to 70% and agreement made with the demolition contractor that at least 85% of demolition waste would be recycled with the aid of a Site Waste Management Plan.
- An actual recycling rate of 97.1% was achieved for the first phase of the works completed in May 2007; this was attributed to early contractor involvement and strong mutual trust between contractors.
- The demolition of the Victorian buildings followed a system involving the removal of all hazardous and non-recyclable materials first, subsequent soft stripping that allowed suitable materials to be segregated and sold for recycling before structural demolition.

Structural materials including concrete, steel reinforcement and brick were also recycled with the crushing and sorting primarily being carried out off site at a Materials Recovery Facility (MRF).

(source: UCLH Plan A)