Hammerson POSITIVE PLACES

Sir Robert McALPINE

Onsite recycling of demolition material

Leeds Victoria Gate

Working with our subcontractor Moorhead Demolition, 99% of the waste materials generated from the demolition of an existing 1960s concrete framed commercial building have been diverted from landfill, with structural material such as concrete, brick and slate crushed and recycled on site for use as fill material.

With the aid of an onsite crusher, concrete, brick and slate were processed to create 5,200m^3 of graded fill material, which was used to infill the existing basement and to create the 750mm piling mat; this negated the need for the removal and disposal of the demolition waste off site, saving approximately £91,000 in waste disposal costs and 14 tonnes of carbon.

Crushing and reusing the demolition arisings onsite also removed the need for the extraction and delivery of virgin material to site, further reducing our impact on the environment.

99%

of demolition material diverted from landfill

14

tonnes of carbon saved

650

the no. of vehicle trips reduced

£91,000

saved in waste disposal costs

Business Benefit

- Contributes towards meeting project sustainability carbon and waste targets.
- Demonstrates commitment to reducing our overall environmental impact, notably in the areas of waste and carbon.
- Supports the argument that reducing waste reduces costs and carbon.
- Provides a best practice case study which could be applied to similar design and build projects.

Project Benefit

- Reduced waste disposal costs.
- Increased the amount of resources diverted from landfill – contributing towards Wst 01 credits under BREEAM 2011.
- Reduced the need for waste removal and delivery of virgin material, saving 650 wagon movements and thus reducing potential site impacts of local air quality and disruption.
- Demonstrates the project team's commitment to reducing waste and carbon, and the projects overall environmental impact..