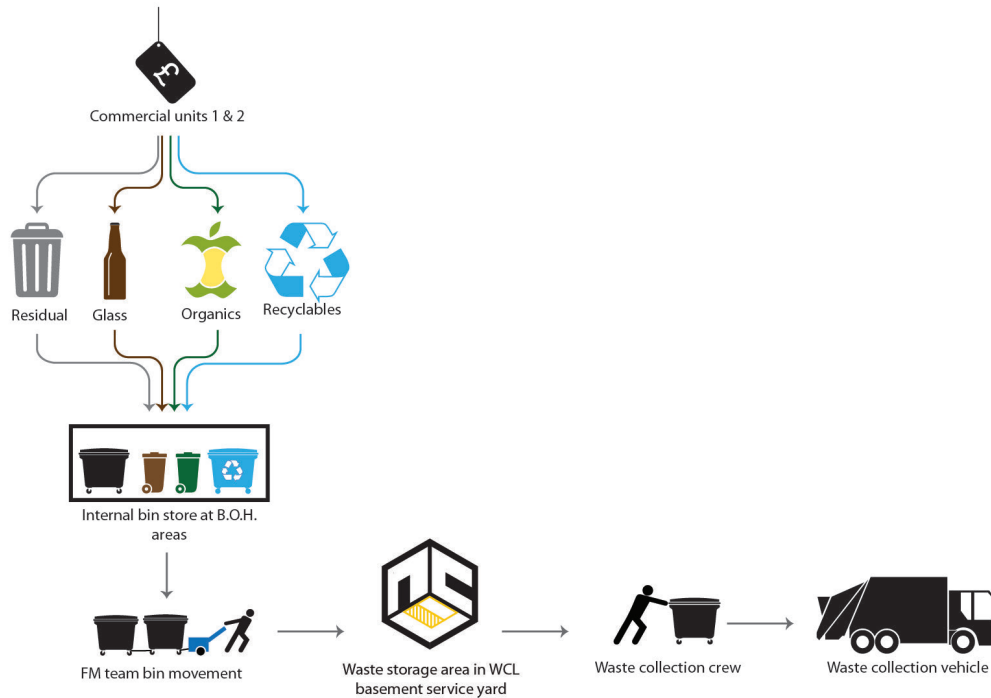


EFFICIENT AND SUSTAINABLE WASTE MANAGEMENT SOLUTIONS



CENTRE HOUSE - WASTE LONDON, UK

BuroHappold Engineering was appointed to provide environmental consultancy in support of the Centre House development, a mixed-use scheme comprising up to 550 residential units and 1,100m² of commercial floor space. Our waste management consultants were required to prepare an operational waste management strategy and site waste management plan in support of the full planning application.

St James required an efficient and sustainable operational waste management strategy, with operations that are discreet and minimise the impacts on the development's end users and those responsible for the collection and onward treatment of waste. The design also needed to incorporate adequate future-proofing and flexibility to adapt to future waste management practices.

The waste strategy proposed by our team ensures that residents will easily be able to segregate their waste, and be encouraged to do so. To ensure that recyclables are collected separately from general refuse, we have proposed a short-term storage area within each residential

unit that provides for the required segregation. These meet the London Borough of Hammersmith's guidance on storage capacity, and provide resilience during busy periods. The location of the waste storage rooms ensures that travel distances for residents are kept below the council's threshold of 25m.

The waste strategy was developed in tandem with an adjacent St James development - White City Living. A cost-effective and spatially efficient solution was proposed, using the same compactors in a shared basement service yard. This will improve operational efficiencies for the client, minimising the space required for waste storage. The consolidation of waste will also provide operational efficiencies for the council, as fewer weekly compactor collections will be required. The space also offers flexibility, with sufficient capacity provided should the council begin offering a food waste collection service in future.

Our consultants have developed a future-proofed, efficient plan for waste management, with considered design and space efficiencies that benefit the client, local authority, and future residents.

CLIENT
St James Group Ltd

ARCHITECT
Pillbrow & Partners

PROJECT VALUE
Confidential

DURATION
2017 - ongoing

SERVICES PROVIDED BY
BUROHAPPOLD
Acoustic design, economics, environmental consultancy, ground engineering, infrastructure and utilities engineering, transport and mobility, waste management, water, wind and microclimate