



Waste Solutions and Underground Refuse Storage (URS)



Who we are

STANTEC IS A TOP TIER GLOBAL CONSULTANCY. WE HAVE BEEN WORKING WITH OUR CLIENTS AND COMMUNITIES IN THE UK FOR OVER 150 YEARS. WE HAVE CONSISTENTLY BEEN AT THE FOREFRONT OF PLANNING, DESIGN AND DELIVERY OF INFRASTRUCTURE AND DEVELOPMENT IN THE UK.

With offices across the UK, Stantec has a strong reputation for its work with public and private sector clients on a diverse range of high-profile infrastructure and development projects.



Stantec in the UK

1700

INFRASTRUCTURE, BUILDINGS,
WATER & ENERGY

40

PLANNING SERVICES

250

ENVIRONMENT &
SUSTAINABILITY SERVICES

200

CIVIL ENGINEERING

160

TRANSPORT PLANNING

95

BUILDING STRUCTURES
& UTILITY SERVICES

How can we help

STANTEC, IN PARTNERSHIP WITH DEVELOPER CLIENTS, AND INCREASINGLY THROUGH LOCAL AUTHORITY DEMAND, IS WORKING TO IMPLEMENT INNOVATIVE WASTE COLLECTION ARRANGEMENTS, INCLUDING UNDERGROUND REFUSE STORAGE (URS). WHILE IN EUROPE SUCH SYSTEMS HAVE BEEN WIDELY AND SUCCESSFULLY OPERATING FOR MANY YEARS, HISTORICALLY ONLY SMALLER POCKETS OF USE HAVE BEEN IN OPERATION WITHIN CERTAIN LONDON BOROUGHs. THIS IS CHANGING.

URS systems, where properly planned and appropriately implemented, can realise several benefits over and above those available through conventional collection systems, including:

REDUCING

- Internal ground floor requirements for waste storage
- Amenity issues associated with internal bin stores
- Manual handling requirements

INCREASING

- Collection efficiencies
- Data gathering potential through individual fob access
- Security and prevention of commercial waste abuse
- Positive behaviour change

Our waste team in the UK work closely with clients and URS suppliers to ensure they have all the latest information in order to be able to inform the design team on the requirements,

and to assist in locating units both for optimum efficiency, but also in order to satisfy varied local need.

Implementation of a URS system requires a sound understanding of how the systems work and the differing servicing needs. Stantec's Waste Team has first-hand local authority experience which further helps to ensure clear and targeted consultation, with both the local authority and often their appointed waste contractor. A well thought out and comprehensive waste strategy will benefit the development's appeal both future users, the wider community and the authority within which the development is proposed.

We have experience in the delivery of developments from outline through to the detailed design and condition discharge stage. This can range from a handful of units right up to schemes proposing urban extensions consisting of several thousand residential units.



Project Experience



CORONATION NEIGHBOURHOOD, LONDON BOROUGH OF WALTHAM FOREST

CLIENT: Borough of Waltham Forest
LOCATION: London

Stantec provided an options appraisal and Waste Strategy for the development of a new neighbourhood within Waltham Forest. The work required a full understanding of all the available collections options that the client had targeted for appraisal, including an underground refuse storage (URS) solution, a highly innovative vacuum collection system and conventional residential and commercial collection systems. All systems needed to be seen to conform with local requirements, following waste volume forecasts, and in turn a costing exercise enabled a considered scoring matrix to be presented to the client.

LONDON BOROUGH OF MERTON, URBAN REGENERATION

CLIENT: Clarion Housing
LOCATION: London

Stantec has provided waste management advice to multiple sites of urban regeneration within the London Borough of Merton. The Waste Strategy covered both residential and commercial uses and introduced an underground refuse storage (URS) solution within the Borough. Stantec was able to ensure that the capacity requirements were met, resulting in significant savings in ground floor space, that would otherwise have been required for refuse and recycling storage. This space can now instead be considered for additional valuable commercial or residential units. Stantec We also supported on the Section 106 negotiations between the client and the authority.

LONDON BOROUGH OF HAVERING, URBAN REGENERATION

CLIENT: Bridge Close Regeneration LLP
LOCATION: London

A Waste Strategy was produced for the Bridge Close regeneration which addressed both the construction and operational phases of the development. A residential (1070 units) led mixed-use site, with commercial, healthcare and educational requirements. The application required the provision of underground waste storage (URS) in order to realise a number of benefits to both the users and the local collection authority. Whilst challenging, the benefit of early engagement in the planning process enabled the waste requirements to be planned for in parallel with utilities and other key infrastructure needs.

WATERBEACH, CAMBRIDGESHIRE

CLIENT: Urban&Civic
LOCATION: London

Following the submission of a comprehensive waste strategy for the Waterbeach development in Cambridgeshire, the waste team at Stantec were commissioned to look at the viability of alternative collections systems across the site. The client wanted to establish the scenarios in which a URS system would bring the benefits forward by reducing the need for internal bin stores, and looking at removing many of the negatives associated with historic conventional communal collections through 1,100 litre bins. URS were considered for all elements of the development commercial, low rise and high-rise high density residential units. This was a particularly important exercise within an authority where they were already actively promoting the benefits of URS following schemes elsewhere within Cambridgeshire.

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Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That's why at Stantec, we always design with community in mind.

We care about the communities we serve—because they're our communities too. This allows us to assess what's needed and connect our expertise, to appreciate nuances and envision what's never been considered, to bring together diverse perspectives so we can collaborate toward a shared success.

We're designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. Balancing these priorities results in projects that advance the quality of life in communities across the globe.

Stantec trades on the TSX and the NYSE under the symbol STN. Visit us at stantec.com or find us on social media.



Design with community in mind

