

London Sustainable Industries Park

Client: The Greater London Authority (GLAP)

Location: Dagenham Dock, East London

Value: £1.38m

Duration: 7 months



In Brief...

Barhale have successfully completed a £1.38m design and build contract for The Greater London Authority Land and Property (GLAP) at Dagenham Dock in East London. As part of a regeneration scheme for unused industrial land, the GLAP are selling off plots of land for various sustainable (green) industrial use.

An important part of the regeneration required upgrading the local sewerage infrastructure. Along with our design partner, GHA Livigunn, Barhale were engaged to design and construct a 6m diameter x 14m deep, segmental caisson pumping station, including associated MEICA installations – with 2no, 66 l/sec pumps.

Technical Features...

The works also required the diversion of foul water flows from an existing pumping station (which was later decommissioned and demolished) into the new pumping station via 300m of 225mm and 300mm diameter gravity sewers.

These sewers were constructed through auger bore techniques due to the poor ground conditions (peat to 7m depth). All 6 manholes were sunk as 2m diameter caisson shafts, and bedded on to the underlying gravels.

From the new pumping station, flows were pumped along a 700m stretch of new 225mm diameter rising main, in to a designated Thames Water outfall manhole.

This rising main was installed through directional drilling to minimise the tight construction programme and to avoid excavation and reinstatement through a thick reinforced concrete road slab.

About LSIP...

The London Sustainable Industries Park in Dagenham Dock is at the heart of an exciting new public-private venture spanning the boroughs of Newham, Barking & Dagenham and Havering.

Backed by the three local authorities, the Mayor of London and SEGRO plc have formed a partnership known as East Plus to regenerate 86 acres of industrial land in the largest deal of its kind between the public sector and a private land developer in the capital.

East Plus has the potential to create up to 6,500 new jobs in east London. The sites can support approximately 1.4 million sq ft of new logistics and light industrial space, and are suitable for occupiers ranging from blue-chip companies to start-up firms including green industries.

The London Sustainable Industries Park will be the UK's largest concentration of environmental industries and recent investment in new roads, green infrastructure and over 800 trees mean that it is ready for business now.