

# London Sustainable Industries Park

<b>Client:</b>	Greater London Authority
<b>Location:</b>	Dagenham Dock, East London
<b>Value:</b>	£1.38m
<b>Duration:</b>	7 Months



## In Brief...

Barhale have successfully completed a £1.38m design and build contract for the Greater London Authority (GLA) at Dagenham Dock in East London. As part of a regeneration scheme for unused industrial land, the GLA are selling serviced plots of land within the Mayor of London's first clean technology commercial park.

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 two 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, into 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 in London Riverside.

Backed by the London Borough of Barking and Dagenham, 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 industrial space, and are suitable for occupiers ranging from blue-chip companies to start-up firms including green industries.

The London Sustainable Industries Park is London'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.

By completing the infrastructure on time and without disruption to existing customers on the Park Christopher Broster, the GLA's Senior Development Manager overseeing the East Plus project, has been able to pre-let half of the LSIP for the Mayor.