

PIPE JACKING CASE STUDY

Stratford City Bridges Deep Drainage



www.pipejacking.org

PROJECT	Stratford City Bridges Deep Drainage
CLIENT	Westfield Shopping Villages
CONTRACTOR	Morgan Sindall
PIPE SUPPLIER	Naylor and F P McCann
TUNNELLING MACHINE	Iseki Unclemole
VALUE	£2 million



PROJECT OVERVIEW

These works provided the connection for the surface water and foul sewers from the Westfield Shopping Centre (then under construction at Stratford) to the outfall sewers constructed by others within the 2012 Olympic Park site. Tunnelling was required over this section of the sewers as the area to be traversed had been backfilled by material tipped from the construction of the CTRL and been graded to form the approach to a railway overbridge, constructed by Morgan Sindall.

DESCRIPTION OF WORKS

Six shafts with diameters from 6.0 m to 3.0m were sunk as drive and reception shafts, together with a sheeted pit as a further reception pit, adjacent to the railway line at the site boundary. The parallel pipejacks, at 600mm and 1500mm internal diameter, each extended over 200 metres between the shafts. At the end of pipejacking, the shafts were finished as permanent manholes for the sewer systems.

CO₂ SAVINGS

CO₂ savings of the pipe jacking element compared to open cut construction were 44% for the 1500mm diameter drive and 73% for the 600mm diameter drive.
Source: pipejackingco2calculator.com

FURTHER INFORMATION: www.construction.morgansindall.com

