

O'DEA AVENUE OUTFALL

BENEATH SYDNEY'S RENEWAL PRECINCT

Located approximately 3.5 kilometres south of the Sydney CBD, the Waterloo precinct is one of the city's most active urban renewal areas. Significant residential and commercial development has placed increased demand on ageing drainage infrastructure, prompting Sydney Water to upgrade network capacity through trenchless installation.

GRP JACKING PIPE FOR AN INNER-CITY OUTFALL

In 2018, Empire supplied 300 metres of DN700 BOSSPIPE Centrifugally Cast GRP (CC-GRP) Jacking Pipe. The DN700 diameter met the hydraulic requirements of the outfall within the physical constraints of the urban corridor, where trenchless installation was the only practicable methodology.

"BOSSPIPE™ CC-GRP suits the inner-city outfall environment well, structurally capable for microtunnelling, corrosion-resistant, and light enough to handle in confined jacking shafts," said Aaron Mackley, Director of Sales & Operations at Empire Infrastructure.

MICROTUNNELLING THROUGH A HIGH-DENSITY PRECINCT

Works were completed using microtunnelling beneath the active streets and development sites of the Waterloo precinct. Trenchless construction was essential to avoid surface disruption in an area with high levels of construction activity and pedestrian traffic. Empire delivered the DN700 BOSSPIPE CC-GRP pipe on time, supporting Rob Carr's installation sequence.

DRAINAGE INFRASTRUCTURE FOR A GROWING PRECINCT

Empire coordinated supply to align with Rob Carr's construction program, ensuring the full 300-metre scope was available to match the tunnelling schedule, supporting one of Sydney's most rapidly developing areas.



PROJECT DETAILS

Location: Sydney, NSW

Contractor: Rob Carr

Client: Sydney Water

Product: BOSSPIPE™ CC-GRP

Scope: 300m of DN700 Jacking Pipe


Stiffness: SN 50000

Installation: Microtunnelling

The project is one of several Empire has supported in the Green Square and Waterloo corridor, reflecting a track record supplying GRP jacking pipe for urban drainage projects.

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