

# M40 WATER MAIN RENEWAL

## RENEWING A CRITICAL LINK IN MELBOURNE'S NORTH

The M40 pipeline is a critical water main within Melbourne Water's network, forming part of the conveyance infrastructure linking Merri Creek to Preston Reservoir. Renewal of this asset was required to maintain system integrity and ensure continued reliable water delivery to Melbourne's northern suburbs.

## DN1800 RCP FOR A LARGE-DIAMETER MAIN RENEWAL

In 2018, Empire supplied 200 metres of CP&P DN1800 RCP Jacking Pipe for the M40 Water Main Renewal. At DN1800, the specification represents the upper end of the standard jacking pipe diameter range and required precise matching to Melbourne Water's long-term pressure service standards.

*"Melbourne Water's transmission infrastructure is the backbone of the city's water supply. A DN1800 renewal requires the right pipe, delivered on time, to a program shared across two major contractors,"* said Aaron Mackley, Director of Sales & Operations at Empire Infrastructure.

Reinforced concrete jacking pipe at this scale supplies the structural performance required to withstand significant overburden and installation loads in a live transmission main environment.

## TRENCHLESS INSTALLATION IN A SENSITIVE URBAN CORRIDOR

Pipe jacking minimised disruption to the riparian corridor adjacent to Merri Creek and the established suburban environment between the creek and Preston Reservoir. The 200-metre drive was completed by Rob Carr Pty Ltd and CPB Contractors with supply coordinated to the combined construction program.

## MAINTAINING SUPPLY CONTINUITY FOR MELBOURNE'S NORTH

The completed M40 renewal restored the structural integrity of a key transmission main in Melbourne Water's northern network, ensuring continued reliable supply to the region.



## PROJECT DETAILS

**Location:** Darebin, VIC

**Contractor:** Rob Carr & CPB Contractors

**Client:** Melbourne Water

**Product:** CP&P RCP Jacking Pipe

**Scope:** 200m of DN1800 RCP Jacking Pipe


**Stiffness:** Class 4

**Installation:** Microtunnelling

The project reinforces Empire's track record supplying large-diameter concrete jacking pipe for critical urban water infrastructure across Victoria.

**EMPIRE**  
INFRASTRUCTURE

Contact

 1300 116 664

 [www.empireinfrastructure.com.au](http://www.empireinfrastructure.com.au)