

WEST DAPTO SEWER PIPELINE

BUILDING INFRASTRUCTURE FOR A HIGH-GROWTH COMMUNITY

The West Dapto Urban Release Area is one of NSW's largest growth corridors, transforming low-density suburbs near Wollongong into a future community of more than 4,500 new homes. To support this growth, Sydney Water is delivering major new wastewater infrastructure, including gravity sewers and upgrades to pumping facilities.

Empire Infrastructure contributed to this critical project by supplying high-performance FIBERSTRONG™ GRP pipe systems designed to meet long-term wastewater network demands.

SUPPLYING THE BACKBONE OF THE NETWORK

Empire supplied 3,628 metres of FIBERSTRONG™ GRP open trench pipe ranging from DN450 to DN750, specified to SN10,000 and SN20,000, PN1, complete with manhole connectors and couplers for efficient installation.

An additional 310 metres of DN750 (OD820) FIBERSTRONG™ GRP jacking pipe with stainless steel collars were delivered by Rob Carr Pty Ltd provided for gravity sewer sections requiring trenchless construction.

MATERIALS DESIGNED TO PERFORM LONG TERM

The combination of open trench and jacking solutions allowed flexibility across varying site conditions while maintaining construction efficiency. GRP was selected for its corrosion resistance, high strength-to-weight ratio and durability in aggressive wastewater environments.

TRUSTED PARTNERSHIPS AND QUALITY

Empire worked closely with Iplex Pipelines Australia to supply pipe and fittings to D4C. All FIBERSTRONG™ pipes were manufactured at a Future Pipe Industries facility in the UAE in full compliance with ISO and Australian Standards.

“West Dapto highlights how the right material selection supports both construction efficiency and long-term network reliability,” said Aaron Mackley, Director of Sales & Operations at Empire Infrastructure.



PROJECT DETAILS

Location: West Dapto, NSW

Contractor: D4C

Product Supplied: FIBERSTRONG™
CW-GRP

Scope: 3,628m of DN450 to
DN750 Open Trench
and Jacking pipe

Stiffness: SN10,000 to
SN20,000

Installation: Open Trench and
Microtunnelling

Through technical expertise and trusted partnerships, Empire Infrastructure continues to support essential projects enabling sustainable urban growth across Australia.

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