

BATHURST STORMWATER HARVESTING

DELIVERING AN INNOVATIVE STORMWATER RETENTION SOLUTION

Empire Infrastructure strengthened its reputation as a trusted supplier of complex municipal infrastructure by partnering with Iplex Pipelines to deliver a major stormwater harvesting project for Bathurst Regional Council.

Located approximately 200 kilometres west-northwest of Sydney, the project required a sustainable system capable of retaining stormwater during high rainfall events. Rather than relying on conventional concrete tanks or plastic crate systems, the design adopted an alternative pipeline-based retention solution, an approach that delivered structural integrity, hydraulic efficiency and long-term durability.

SUPPLYING HIGH-PERFORMANCE GRP INFRASTRUCTURE

Empire supplied 4,584 metres of GRP pipe DN450 OD507 SN10,000 PN16 Fiberstrong™ GRP pipe. Selected for its corrosion resistance, strength-to-weight advantages and extended service life, the Fiberstrong system provided a robust and reliable solution for the retention network.

Empire's Manager of Sales & Operations, Aaron Mackley, described the project as a milestone.

"This is the first time we've supplied this type of pipe into a stormwater retention system. While concrete or plastic storage systems are typically specified, GRP pipe proved to be the most suitable solution for this application."

A PROVEN ALTERNATIVE FOR FUTURE PROJECTS

The success of the Bathurst Stormwater Harvesting project positions GRP pipeline retention systems as a compelling alternative to conventional storage methods across municipal and regional developments. With growing demand for resilient and sustainable water infrastructure, Empire Infrastructure continues to work alongside industry partners to deliver high-performance solutions tailored to the needs of modern communities.



PROJECT DETAILS

Location: Bathurst, NSW

Contractor: Hynash Construction

Product Supplied: CW-GRP

Scope: 4,584m of DN450 Open Trench Pipe


Stiffness: SN10,000

Installation: Open Trench



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