

# Pechey to Mt Kynoch Water Treatment Plant – Perseverance Raw Water Main

Pipe experiencing failure replaced with new pipeline even better than requested.



## Project Need

The Perseverance Raw Water Main, which connects the Pechey water supply reservoir to the Mt Kynoch Water Treatment Plant (WTP), is critical for the distribution of raw water to Toowoomba and surrounding areas. The existing pipeline had reached its serviceable life and pipe joints were failing with repairs becoming more and more frequent. Toowoomba Regional Council decided to progressively replace the 25.7km pipeline in stages over 5 years. Steel Mains was successful in being awarded a contract to supply Sintakote® Mild Steel Cement Lined (MSCL) Pipe as the optimum pipe choice for the requirements of the pipeline and to maintain an improved future service life.

## Solution

Steel Mains Sintakote MSCL was chosen as the optimum pipeline system based on life cycle, pipe standards, performance expectations, proven product quality, training, design and installation support, Australian Manufacturing and the overall value of the pipeline system. The pipe choice of 813 OD x 6.6mm x 13.37m pipe was twice as long as the Ductile Iron pipe option, and improved installation timing significantly. Sintakote® Rubber Ring Mild Steel Cement Lined (MSCL) Pipe was supplied over 4 stages in 4 years.

The council purchased the pipe as Principal and sections of the pipeline were installed by the council's own pipelaying crews after being trained by Steel Mains on handling and installation of the pipe and fittings. Other sections of the pipeline were installed by subcontractors to the council, with the council free issuing the pipe to the contractors. They were also trained in the handling and installation of Sintakote® pipeline systems by Steel Mains.

This contract to supply Sintakote® Pipe had 4 extensions due to the ongoing exceptional performance, quality, technical support and product delivery by Steel Mains to the satisfaction of the Toowoomba Region council working with the product.

## Achievement

This project represents a solid example as to why Steel Mains Sintakote Steel Pipeline System is a leading choice in the industry. The Australian Made Sintakote® Pipe supply chain was uninterrupted and continued through some internationally challenging periods.

**Project:** Pechey to Mt Kynoch Water Treatment Plant – Perseverance Raw Water Main

**Principal:** Toowoomba Region

**Location:** Perseverance Creek, Queensland

**Completion:** 2023

**Supplied:** 25.7km of 813 OD x 6.6mm Sintakote® Rubber Ring Mild Cement Lined (MSCL) Pipe

The day crew has successfully installed sections of the pipe over 4 years. The Perseverance Raw Water Main is essential for the raw water supply of Toowoomba and the areas surrounding. With this upgrade, the main will continue to do this for many decades yet to come.

