

Goulburn – Campaspe Superpipe

47km pipeline securing central Victoria's future water supply



Project Need

A long term plan to pipe water from the Goulburn river system in north east Victoria was brought forward in an urgent bid to ensure adequate water supplies for Victoria's two largest inland cities. The Goulburn River is a large and reliable system fed by mountain run off from the Victorian and New South Wales alpine regions. Dubbed the Goldfields Superpipe, the project planned for 2010 now had to be complete by June 2008 so that these central Victorian cities would not run out of water.

The Goldfields Superpipe infrastructure project consisted of two significant pipelines. Steel Mains delivered Stage one, commencing from Waranga West Channel at Colbinabin to Lake Eppalock, also known as the Goulburn – Campaspe link pipeline.

Solution

Steel Mains (formerly Tyco Water Pty Ltd) was contracted to manufacture and deliver the pipes for the pipeline. The pipeline was constructed with mild steel, fusion bonded polyethylene coated, cement lined pipe complying with Australian Standards AS1579, AS4321 and AS1281. The total pipes supplied for the pipeline were 47,000m of 1124 OD Sintajoint® Rubber Ring Joint. Steel Mains utilised both its manufacturing facilities in Kwinana Perth and Somerton Victoria to fulfil the contract, due to the very tight delivery time frame.

Achievements

Commencing in February 2007 the challenge was to manufacture pipes in Perth and rail freight them over 5,000 kilometres east to the Dynon rail yards in Melbourne, Victoria. They were then road freighted several hours north west to designated work sites. Steel Mains achieved the deadline requirement for delivery of 47,000m of 1124 Sintakote Mild Steel pipe in August 2007.

In using the patented Rubber Ring Joint joint system, ease of connection and rapid overall construction meant, the installation contractor installed 38 pipes per day, equivalent to over 2,500 metres per week using two crews.

Project: Goulburn – Campaspe Superpipe

Principal: Central Highlands Water

Location: Waranga West Channel to Lake Eppalock

Completion: 2007

Supplied: Sintakote® Steel Pipe 1124 OD Rubber Ring Joint