

Kingston Pipe Duplication - TAS

Pipeline Completed on Time Despite Difficult Laying Conditions and Grades of Up to 1 in 7



Objectives

The recently completed pipeline from Ridgeway Dam to Brown's Hill Reservoir will provide Tasmania's Kingsborough Municipality with a much-needed additional supply of up to 40 megalitres of water per day.

Challenge:

Because the new pipe required a cover of 1m and the easement consisted of 90% rock, a delicate blasting operation was implemented.

The pipeline which was laid through a series of steep gullies, including grades of up to 1 in 7, terminated at a point 200m below top water level.

Solution:

The 4,792m 648mm OD 6mm wall thickness mild steel cement lined SINTAKOTE welded joint pipeline was laid in an existing easement, approximately 4m from a DN 375 AC main which was known to be in poor condition and quite fragile.

The pipeline was completed within the required 20 weeks by Roche Bros Pty Ltd and came into operation just prior to the peak summer-demand period.

Kingston Pipeline Duplication

Client Hobart Regional Water Board (TasWater)
Project Ridgeway Dam to Browne's Hill Reservoir

Pipeline 4,792m 648mm OD 6mm WT MSCL SINTAKOTE welded joint pipeline

Construction Roche Bros, Pty Ltd.

Construction Period September 1989 – December 1989