

Sugarloaf Pipeline

J series jacking pipe

Case study



Alliance preserves State Forest with 849m jacked tunnel

With the recent expansion of the Humes jacking pipe range, the Humes technical team was able to present an impressive tunnel solution to the Sugarloaf Pipeline Alliance. The \$750m Sugarloaf Pipeline project is currently one of Victoria's largest projects, transferring Melbourne's share of water (saved through the Northern Victoria Irrigation Renewal Project) from the Goulburn River near Yea to the Sugarloaf Reservoir in Melbourne's northeast.

The project's 70km pipeline route was designed through the Toolangi State Forest, which included some very steep and environmentally sensitive terrain that needed to be avoided. The availability of the larger sizes of Humes J series jacking pipes (2,000mm internal diameter in 3m lengths), provided an opportunity for the Alliance to undertake an impressive 849m pipe jacked tunnel underneath the mountainous terrain and minimise the impact on the forest. The jacking pipes also delivered significant benefits to the project with the proven joint performance, smooth inner and outer bores, and compliance to tight dimensional tolerances.

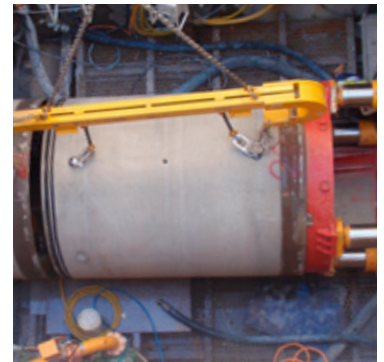
When the large pipes presented storage issues on the mountainous terrain, Humes also worked out a plan to tailor the manufacture and delivery program to assist the project team. Small, regular drop-offs meant there were sufficient pipes on site at all times to ensure uninterrupted installation. With the project under constant pressure to meet the program schedule, Humes ensured that quality was consistently high, delivering all pipes to the high tolerance specification. Humes' strong customer focus coupled with a world class pipeline solution proved extremely valuable to the success of this pipeline installation.

The Sugarloaf Pipeline project team is made up of an alliance, comprising Melbourne Water, John Holland, Sinclair Knight Merz and GHD. This alliance is responsible for planning and environmental assessments, engineering, design, community and landowner relations and project management associated with delivering the Sugarloaf Pipeline. The Sugarloaf Pipeline Project is on track to be completed and operating in early 2010.

Project
Sugarloaf Pipeline

Client
Sugarloaf Pipeline Alliance

Product supplied
849m of J series
jacking pipe



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