

CASE STUDY

CLIENT

John Holland Group for
Yarra Valley Water

LOCATION

Craigieburn, VIC, Australia

DESCRIPTION

Flowtite® GRP Jacking Pipe

APPROX VALUE

AUD \$20,000,000

COMPLETION

2016

REFERENCE NO

PS 3.4



The Amaroo Sewer Main project was the first piece of critical infrastructure being installed by Yarra Valley Water to service Melbourne's growing north. The project included the installation of 8.5km of sewerage infrastructure to collect and transfer the vast majority of sewage in the Northern Growth Corridor.

The project is Australia's largest jacking pipe project to date and the largest Continuous Filament Wound GRP Jacking Pipe project in the world. The sewer main was installed via three tunnel boring machines with 13 main drives varying in length from 161m to 785m.

Pipe for Intermediate Jacking Stations to enable the longer drives was designed and manufactured by RPC Pipe Systems. Extensive testing of the pipe was



required prior to supply to verify product performance and provided confidence of a 100 year asset life.

Manufacture & Supply:

7300m OD1720 PN1 SN55,000

200m OD375 PN1 SN100,000



Quality
ISO 9001

SAI GLOBAL

