

Kingston Bore 15 Connection

Construction of 2.6km of new water main

Client	SA Water
Location	Kingston, SA
Contract Value	\$1.1 million
Completion Date	May 2017

Project Description



Bardavcol were engaged by SA Water to connect a new bore within the Kingston wellfield to the town's supply network. With increasing salinity levels from the existing wellfield, it was necessary to construct a new watermain to connect to the recently constructed Bore 15 and ensure security of supply to the town of Kingston (SE) and avoid damage to the aquifer.

The works consisted of;

- The construction of approximately 2.6km of water main, as well as approximately 500m of access road, and a new bore pad and associated infrastructure. The water main works included a significant portion of excavation in rock, directional boring for creek crossings, DICL dog-legs to avoid service clashes, and supply and installation of various valves and fittings. Connection into the existing main involved shutting down and draining the main within a limited allowable shutdown window, whilst dealing with difficulties arising from treating existing asbestos pipes.
- A tight timeframe was provided by SA water, as a result of the degradation issues associated with the Kingston wellfield, coupled with completing works prior to the onset of winter in a region susceptible to inclement weather and its effects

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