



Happy Valley Dam Outfall Channel Remediation

Making Safe an 8m deep channel

Client	SA Water
Location	Corner of Chandlers Hill Road and Herrings Lane
Contract Value	\$4.0 million
Completion Date	December 2014

Project Description



- The shape and make safe of severe undercutting in the outfall channel
- The channel is 400 meters long 8 meters deep and 4-15 meters wide
- The design caters for 30m³/s of water travelling through the channel which translates to water speeds of up to 10m/s and depths up to 3m deep.
- 1000m³ of reinforced concrete and 500m³ of reinforced Shotcrete with 200+ rock anchors to line areas of the base and walls
- Concrete structures include 12 drop structures, incorporating nib walls and roughened bases sections to reduce water energy and velocities

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