

Media Release – 20 May 2009

Water Infrastructure Group receives Engineering Heritage Award

A Water Infrastructure Group pipeline rehabilitation project for Sydney Water received an engineering excellence award from the Institute of Public Works Engineering Australia.

The \$4.1 million project involved relining the Hay Street stormwater channel and was awarded the Streets Opening Conference Engineering Heritage Award at the Institute's NSW Division Excellence Awards in Sydney.

The channel runs under the busy intersection of Hay and Harbour Streets near the Sydney Entertainment Centre forecourt in Haymarket.

The channel was constructed by the Sydney City Council in 1863 and is a semi-elliptical structure built from sandstone blocks. It was one of the first combined sewers constructed in Sydney and was designed to improve public health by diverting stormwater and sewage off the streets and discharging it into the harbour.

It provides an excellent snapshot of infrastructure in early Sydney and is an excellent example of late nineteenth century engineering and construction techniques.

Kallard Ross, Water Infrastructure Group manager for the project, said that his team developed specific methods for the unique conditions in the Hay Street Channel.

"The new liner is made from marine grade N60 sulphate resisting concrete reinforced with SS304L stainless steel bars to provide a minimum design life of 100 years and maintenance free period of 50 years.

"Soft grout filling has been used in the cavity between the new liner and the original channel to protect the stonework. No heritage fabric was removed and a membrane was placed against the original stone to allow for removal of the grout and liner if required using a dismantling procedure we developed for NSW Heritage Office records," Kallard explained.

The Streets Opening Conference is an association of all major utilities concerned with underground services, designed to foster coordination of service providers' works and minimising the impacts caused by opening roads.

More information

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Water Infrastructure
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About Water Infrastructure Group

Water Infrastructure Group provides a unique combination of design, build, operate and maintenance services. We offer sole-source accountability for streamlined delivery of sustainable water infrastructure to meet community and business needs.

Our holistic approach to infrastructure delivery results in:

- Award winning innovation
- Reduced costs
- Guaranteed performance
- Individualised solutions
- Comprehensive environmental compliance
- Enhanced risk management

Water Infrastructure Group is an Australian leader in water recycling and Australia's largest supplier of Class A recycled water for farming and residential use. We have led the way with the introduction and regulatory approval of microfiltration technology for water recycling and our innovation and contributions to the water industry have been recognised by Australian and international excellence awards.

We have an extensive track record in the delivery of water and sewage treatment plants and we are one of Australia's leading infrastructure rehabilitation specialists, providing services such as pipeline inspection, assessment, linings, coatings and major valve work.

Some current projects from our portfolio include:

- Adelaide Desalination Pilot Plant
- Barwon Water Biosolids Management Project in Geelong
- Campaspe Water Reclamation Scheme in Echuca
- Eastern Irrigation Scheme in Melbourne
- Mangawhai EcoCare Project in New Zealand
- Moura Wastewater Treatment Plant in Queensland
- Surbiton Park Recycled Water Plant in Melbourne
- Virginia Pipeline Scheme in Adelaide

Formed in 2008, Water Infrastructure Group combines the complementary skills of the former Earth Tech water projects group with Tyco's Water Technology Australia and Water Services businesses to deliver an expanded range of services that cater for the needs of customers and current developments in the water industry.

Water Infrastructure Group is a Tyco International Ltd company. Tyco is a diversified, global company that provides vital products and services to customers in more than 60 countries and has 118,000 employees worldwide. More information on Tyco can be found at www.tyco.com.

