

# Networks Alliance Water and Sewer Mains Renewal Program Sydney

**Completion**  
2010

**Client**  
Sydney Water  
**Value**  
\$420 million

**Bovis Lend Lease Involvement**  
Program and project management

**Highlights**

- Fast works program delivered over 400 sites in 18 months
- New technologies expanded the use of trenchless methods
- Bovis Lend Lease ensured good community relations with approximately 40,000 affected households and 40 local councils.

As a key partner in Networks Alliance, Bovis Lend Lease has worked across the Sydney Water network and successfully delivered a number of infrastructure upgrades.



Networks Alliance operates under a relationship contract with partners Bovis Lend Lease, Sydney Water, CLM Infrastructure and Veolia Water Network Services.

Works included the renewal of 400 kilometres of water reticulation mains as well as a range of related projects including sewer mains, several trunk-main packages and aqueduct refurbishments. The project also included programs to install flow meters and pressure reduction valves

**Scope**

Bovis Lend Lease has extensive experience in leading alliances and cooperative partnerships to manage complex, high-risk projects.

The Networks Alliance team integrates expertise in project management, safety, water and wastewater infrastructure and pipeline construction using traditional and trenchless technologies.

The Alliance also employs a diverse range of design, environment and community relations specialists – ensuring compliance with all Sydney Water standards, legislative requirements and approval processes.

**Construction Challenges and Innovation**

Networks Alliance’s delivery speed is significantly increasing Sydney Water’s rate of water main renewals. To date the Alliance has completed works at approximately 934 sites in the greater Sydney region.

The Alliance is presented with many challenges to accomplish the accelerated program whilst ensuring disruption to the network is minimised. Challenges included achieving new cost benchmarks and working closely with Sydney Water operations and maintenance services on shutdowns and chlorinations – managing change and integration to improve efficiency.

Bovis Lend Lease worked closely with Sydney Water Planning to improve scheduling, ensuring flexibility and fast responses to changes in Sydney Water funding.

Bovis Lend Lease managed a diverse field team made up of more than 40 internal and external work crews – utilising one integrated Community, Environment, Health and Safety (CEHS) management system. Bovis Lend Lease managed community relations to protect and build Sydney Water’s reputation with approximately 40,000 directly impacted households. Individual agreements were negotiated with 40 local councils which in turn improved stakeholder relationships.

**Ongoing partnership**

Bovis Lend Lease has previously delivered a number of successful infrastructure upgrade projects for Sydney Water, including SewerFix Pumping Stations Program, Cronulla STP Upgrade, Malabar Biosolids Project and Prospect Water Filtration Plant.