

## PROJECT SUMMARY

# Ryde-Pymble Trunkmain No.3 (RP03)

CLIENT : Sydney Water

PROJECT VALUE : \$250M

ENGAGEMENT PERIOD : OCT 2024 - Present

## PROJECT OVERVIEW

The RP03 project involved the replacement of over 10 kilometres of DN900 water main from Ryde Pump Station to Wahroonga Reservoir in Sydney's northern suburbs, traversing heavily congested urban environments with thousands of existing utility interfaces.



### Involvement

- Provided comprehensive utility management, subject matter expertise, and digital engineering services during the Early Contractor Involvement (ECI) Request for Tender process.
- Created a detailed 12D utility model and utilities register capturing every known utility across the RP03 alignment.
- Conducted utility risk assessments along the alignment, identifying critical interface points and potential impacts.
- Informed and managed targeted utility site investigations in high-risk areas.
- Managed and coordinated the survey scope, delivering data to tenderers to support design development and risk mitigation.
- Maintained and continuously updated the 12D model and GIS platform throughout the ECI phase.
- Consolidated all project-critical data including survey, geotechnical, proposed alignments, site compounds, and shutdown info into the GIS.

### Key Achievements

- Delivered a foundational utilities dataset to both tender proponents to enable informed early decision-making.
- Enabled risk-informed design development through structured site investigation and modelling data.
- Supported tenderers in design development and risk mitigation strategies.
- Actively participated in tender evaluation workshops
- Conducted technical reviews of RFT submissions, focusing on utility-related risks and feasibility.
- Finalised the utilities 12D model and developed a detailed utility impact register.

### Key Benefits

- Provided real-time GIS access to Sydney Water's project team for streamlined coordination and decision-making.
- Offered ongoing utility SME support, attending ECI workshops, responding to RFIs, and advising tenderers.
- Led the early engagement of utility providers across the alignment to de-risk the contract.

### Key Interfaces

- Sydney Water