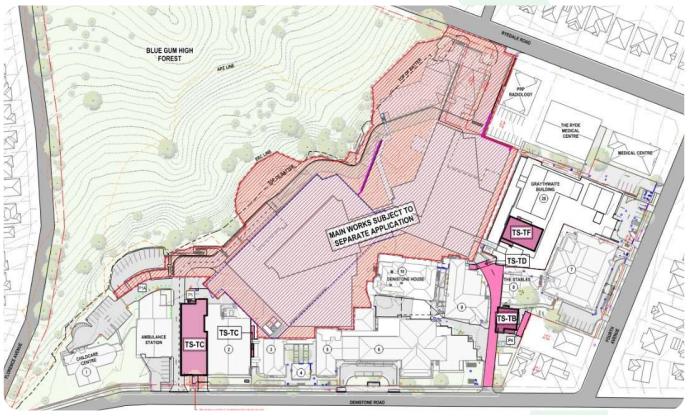
PROJECT SUMMARY

Ryde Hospital - ASP3 Designs

CLIENT: A.W. EDWARDS | **PROJECT VALUE: $479M** | **ENGAGEMENT PERIOD: 2025 – 2026**

PROJECT OVERVIEW

Croí was engaged by A.W. Edwards, head contractor for Health Infrastructure's Ryde Hospital Redevelopment for ASP3 design works. The redevelopment includes the design and construction of new hospital buildings and the refurbishment of existing hospital spaces. This included the relocation of an Ausgrid 66kV sub-transmission pole on Denistone Road.



Utilities Strategy & Design • Specialist Infrastructure Resourcing

Croí's Role

Croí personnel were involved in:

- GIS data gathering, site visit and overhead survey
- PLS-CADD overhead line design: profile, tensions, clearances, blow-out and pole strength
- Pole foundation check (Ausgrid Pole Embedment Calculator)
- Earthing test, earthing design and report
- Staged design submissions and Ausgrid consultation
- Safety in Design and environmental reporting
- Council, property owner and telco notifications

Key Interfaces

- A.W. Edwards (head contractor)
- Health Infrastructure NSW / TSA Management
- Ausgrid (design and geotechnical teams)
- City of Ryde Council
- Geotechnical consultant and earthing specialist
- Telcos and adjacent property owners

Key Achievements

- Certified ASP3 design stages completed and accepted by A.W. Edwards and Ausgrid
- Ausgrid earthing design and report delivered to 100%
- Identified outstanding design inputs early (earthing, geotech) and secured same-day approval of the earthing variation
- Coordinated site soil parameters with Ausgrid's geotechnical team to confirm pole sinking depth
- Pole location set to meet RMS/Council setback requirements from lane markings

Key Outcomes

- Certified Level 3 electrical design for relocation of the 66kV pole
- Clears the way for the Denistone Road driveway works and new hospital vehicle access
- Ausgrid-compliant design package, incl. Safety in Design (WHS Act 2011) and environmental reporting