



Sydney Metro & Southwest Line-wide



Location

Chatswood to Sydenham

Client

Systems Connect
(CPB Contractors and UGL)

Timeframe

April 2020 – Ongoing

Alliance Revenue

\$1.6M

Overall Project Value

\$1.376B

Scope

- Geotechnical
- Environmental
- Testing

The Sydney Metro City and Southwest project is Australia's biggest public transport project.

The Line-wide works package involves the design, construction and commissioning of:

- Major rail systems in the new twin 15km Sydney Metro tunnels from Chatswood to Sydenham
- The expansion of the existing Sydney Metro Trains Facility at Rouse Hill and delivery of the new Sydney Metro Trains Facility South at Marrickville
- Tunnel ventilation, mechanical and electrical systems for seven underground stations, and power systems for the Sydenham to Bankstown section.

Alliance is providing geotechnical and environmental engineering supervision during the construction phase. Our supervision involves

piling, earthworks inspections, geotechnical investigations and waste classification.

We are performing comprehensive compaction and conformance testing services for bridges, utilities, foundations, pavements and retaining walls.

We are testing to a number of different specifications, including T HR CI 1211 SP, in which Alliance is the only NATA accredited laboratory in Australia for all three of the ASTM tests. These are the Free Swell, Collapse Strain and Soluble Salt Content tests. These are crucial tests that help determine the suitability of material that is placed under rail infrastructure.

Alliance has also conducted a large amount of ACM compaction and conformance testing in our dedicated laboratory for contaminated testing. We have the capacity to test our entire scope under these conditions.