

Tunnelling excavation update

12 May 2025

The NSW Government is delivering Sydney Metro West – a new underground metro railway which will double rail capacity between Parramatta and the Sydney CBD, link new communities to rail services and support employment growth and housing supply.

John Holland CPB Contractors Ghella Joint Venture (JCG) has been awarded the contract to deliver 3.5 kilometres of twin metro rail tunnels between The Bays and Hunter Street and to excavate the Pyrmont and Hunter Street metro stations.

You are receiving this notification as we are approaching excavation underneath your property.

Tunnelling excavation – service adits

Tunnelling excavation and supporting activities are underway and will continue **24 hours, seven days a week**.

We are preparing to start the first stage of tunnelling excavation known as the heading of our **service adits** near your property. This involves cutting the roof in smaller sections using a roadheader, followed by rock bolting and shotcreting (spraying concrete). Following this we will undertake benching – please refer overleaf.

What will this mean for you?

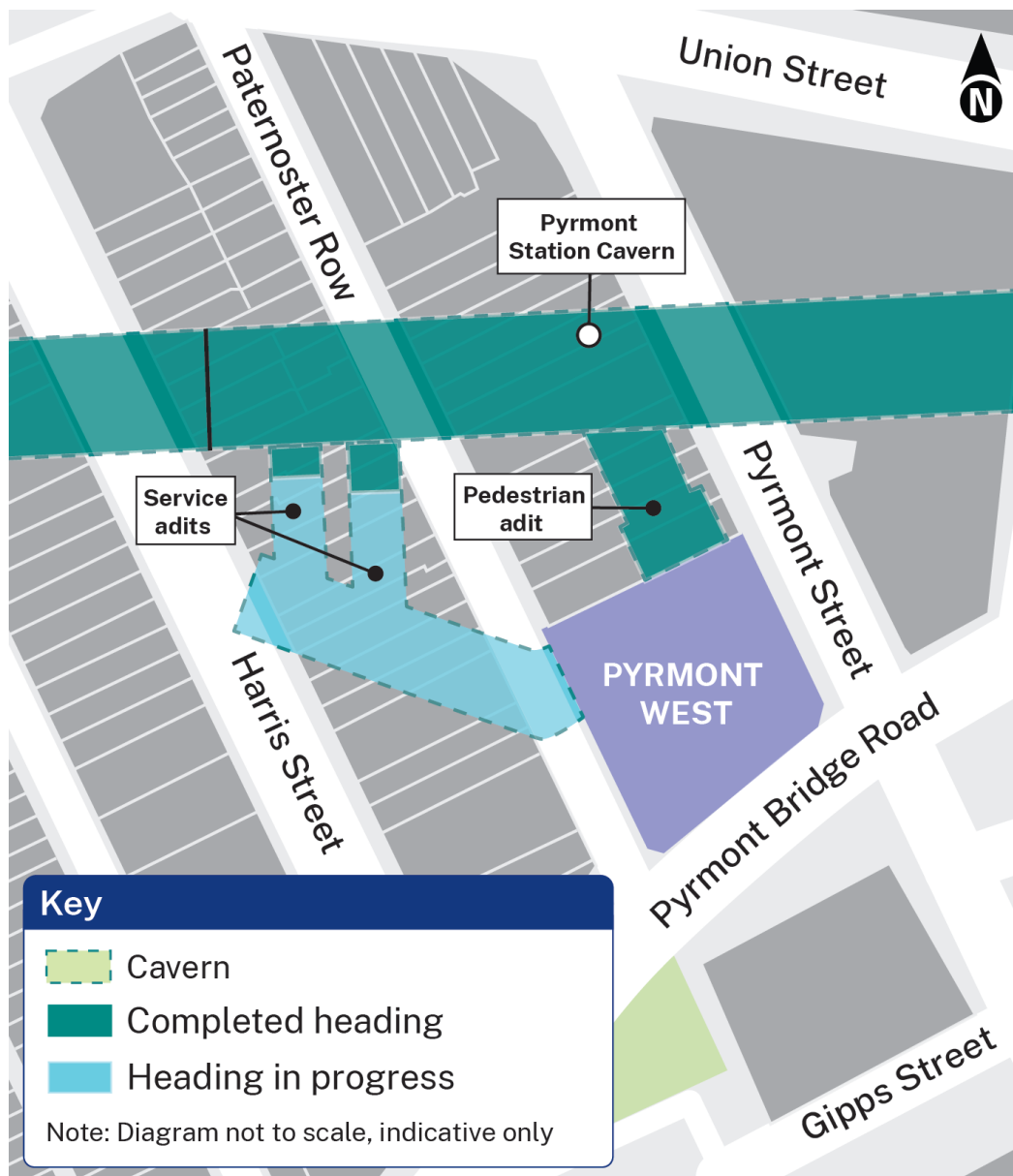
Over the coming weeks, we will start underground tunnelling activity in proximity to your property. During this time, there may be some groundborne noise generated by vibration that transmits through the ground into a structure. Temporary construction impacts will vary depending on ground conditions, tunnel depth, your building type and existing background noise levels.

Equipment and machinery used

May include but is not limited to;

Underground: roadheaders, rock bolters, shotcrete rig, dump trucks, excavators with hammer attachments.

Tunnelling support activities: water treatment facility, telehandlers, haulage trucks, gantry crane, ventilation fans.



Above: Pymont service and pedestrian adit alignment

Contact us



24-hour Project Infoline **1800 612 173**



MetroTunnelsJCGJV@transport.nsw.gov.au



Sydney Metro West, PO Box K659, Haymarket, NSW 1240



Download Sydney Metro Connect from the App store or get it on Google Play.

Tunnelling approach

Excavation of the Pymont Station underground cavern and adits will be completed in three stages:

Heading

The first stage is the heading, which will involve cutting the roof using a roadheader. The machine advances in stages, excavating rock and progressively installing ground support which includes rock bolts (metal rods), and shotcrete (sprayed concrete).

Benching

The second stage is called benching and involves removing the rock below the heading using a roadheader and rock hammer. This stage is generally quicker than the heading.

Invert

The final stage is the Invert, which involves cutting the floor of the cavern / adits. This stage involves careful trimming of the curved tunnel floor with a roadheader. This stage also progresses quickly to the full width of tunnel.

Contact us

Please contact JCG Community team on **1800 612 173** if you have any questions or would like to provide feedback about the work.

We'll continue to keep you updated on the progress of excavation in your area. If you'd like to receive weekly email updates about excavation, please send a request to

MetroTunnelsJCGJV@transport.nsw.gov.au and we'll add you to the distribution list.

Contact us



24-hour Project Infoline **1800 612 173**



MetroTunnelsJCGJV@transport.nsw.gov.au



Sydney Metro West, PO Box K659, Haymarket, NSW 1240



Download Sydney Metro Connect from the App store or get it on Google Play.
