

Sydney Metro is Australia's biggest public transport project.

Services started in May 2019 in the city's North West with a train every four minutes in the peak. Metro rail will be extended into the CBD and beyond to Bankstown in 2024. There will be new CBD metro railway stations at Martin Place, Pitt Street and Barangaroo and new metro platforms at Central.

In 2024, Sydney will have 31 metro stations and a 66 km standalone metro railway system. There will be ultimate capacity for a metro train every two minutes in each direction under the Sydney city centre.

John Holland CPB Ghella (JHCPBG) is building the 15.5 kilometre long twin railway tunnels between Chatswood and Sydenham and excavating six new metro stations.

Start of cross passage excavation work near your property

Cross passages are connection tunnels between the two main metro tunnels and are located every 240 metres along the tunnel alignment. The cross passage in your area will be approximately 35 metres below ground and will be 5.5 metres wide, 6 metres high and 9 metres long. The location is shown on the map overleaf.

Construction of the cross passage near your property will start on **Sunday 20 October 2019**. In line with project approvals for out-of-hours work in residential areas, noise and vibration monitoring is undertaken at the start of cross passage excavation. This allows us to determine if work can occur past 10pm. If initial monitoring finds that the work is inaudible (or low impact) at the surface, excavation will be undertaken **24 hours a day, seven days a week**.

Work will involve:

- installing steel support frames on both sides of the metro tunnels involving steel work, drilling and saw cutting
- excavating the cross passage using a rock hammer
- installing steel mesh, concrete, and a waterproof concrete lining in the cross passages and surrounding area.

What to expect

- Excavation of the cross passage using a rock hammer will take about 4 weeks to complete, depending on ground conditions.
- Ground-borne noise and vibration may be experienced in some buildings near a cross passage.
- All material and rock excavated from the cross passages will be removed by truck from the Chatswood dive site.

If you experience any disturbance from these works, please do not hesitate to contact our 24-hour community information line listed below.

Thank you for your understanding while we complete this essential work.

If you have any questions, please contact the **Community Relations Team** on **1800 171 386** (24 hour community information line) or tunnels@transport.nsw.gov.au.

Location of cross passage (XP43)



Cross passages are excavated using rock hammers like the one pictured above.

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