



An artist's impression of Hunter Street Station

Work underway at Hunter Street Station

June 2023

The NSW Government is delivering Sydney Metro West, a new underground metro railway which will double rail capacity between Parramatta and the Sydney CBD, with a target travel time of about 20 minutes between the two centres.

Sydney Metro West stations have been confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock, The Bays, Pyrmont and Hunter Street in the Sydney CBD.

Sydney Metro has been granted planning approval to construct twin underground rail tunnels between Westmead and Hunter Street in the Sydney CBD for Sydney Metro West.

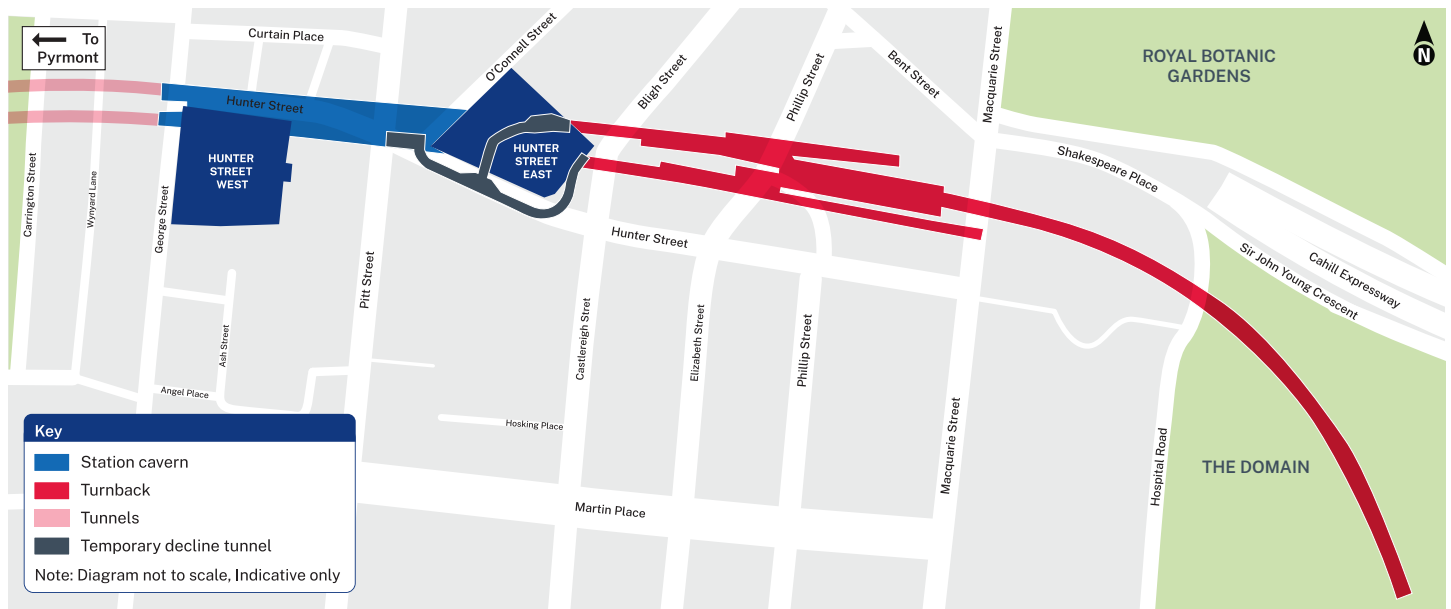
John Holland CPB Contractors Ghella Joint Venture (JCG) has been awarded the contract to build the tunnels for the Sydney Metro West – Eastern Tunnelling Package (ETP).

Hunter Street construction activities

There will be two construction sites as part of the Hunter Street Station works. Hunter Street East, located at the corner of Bligh Street and O'Connell Street, and Hunter Street West, located on the corner of Hunter Street and George Street.

Works include site establishment and demolition, excavating the cavern, turnback tunnels, station shafts and associated tunnels, tunnelling of two metro rail tunnels by tunnel boring machines (TBMs) and tunnel support activities, concrete lining of the caverns and tunnels and removing excavated material via trucks.

In June, activity has increased at both the Hunter Street East and West sites. Works include demolition of internal structures, construction of site driveways and site investigation works in preparation for site hoarding to be installed in July.



Hunter Street Station site map (East and West site locations)

Construction at a glance

Site establishment

Site establishment works including the construction of new driveways and relocating utilities have been completed, with site hoarding and tower cranes scheduled to be installed in July.

Demolition

Works are underway to demolish the existing buildings at the Hunter Street East and West sites, and excavate a shaft approximately 30 metres deep. Demolition works will continue at both sites through to next year.

Demolition work will occur between **8am and 6pm Monday to Saturday**. A one hour respite break will be provided for every three hours worked. We will communicate the respite hours for each site in the coming months.

Demolition material will be removed by trucks from both sites via new driveways that have been installed on Hunter Street.



Pulverisers and shears (pictured) are used to make demolition much quieter

Excavation and tunnelling

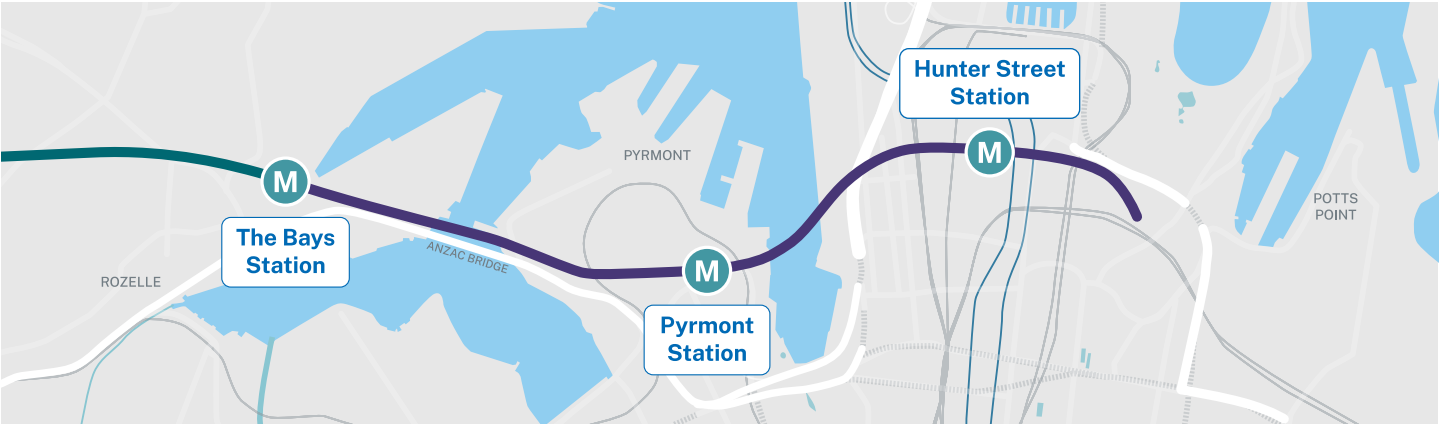
Excavation of a temporary decline tunnel, a ramp used to access the underground tunnels, and Hunter Street station cavern, has begun using a roadheader tunnelling machine — a specially designed electric powered tunnelling machine that has a rotating head fitted with metal picks to break and excavate rock. Roadheaders will be used to excavate:

- the temporary decline tunnel
- the new station cavern
- a turnback tunnel to the east of the new Hunter Street Station, allowing trains to turn around before travelling back towards Westmead
- station shafts at Hunter Street East and West to approximately 30 metres deep
- cross passages which provide emergency and maintenance access.



Roadheaders are used to excavate underground structures that are different shapes and sizes

Tunnelling will continue from inside an existing acoustic shed and will involve excavation and tunnel support activities including inserting rock bolts (metal rods) and spraying concrete (shotcrete) to strengthen and support the tunnel.



Sydney Metro West alignment between The Bays and the Sydney CBD

Excavation of the underground station cavern, decline tunnel and turnback tunnels will take approximately 14 months to complete. All excavated material from roadheader tunnelling will be removed in trucks from the existing driveways on O’Connell Street.



Roadheaders at work excavating the temporary decline tunnel at the Hunter Street Station site

JCG will also create metro tunnels between The Bays and Sydney CBD using tunnel boring machines (TBMs). Two TBMs will be launched from The Bays and will cross the harbour near Anzac Bridge, before heading to the new Pyrmont Station and then under Darling Harbour before reaching Hunter Street Station in the heart of the CBD.

Managing impacts

JCG is committed to reducing the impact of construction on the environment and local community. Measures we will use include:

- notifying the community about any upcoming works in the area
- managing and mitigating street-level noise and impacts, including installing noise blankets and performing work during off-peak hours
- selecting lower impact machinery, and planning activities to reduce construction impacts
- managing and mitigating site noise, including installing and working inside acoustic sheds during shaft excavation and tunnelling
- providing respite breaks where possible
- minimising dust by covering loaded trucks and using water trucks as required
- property condition surveys will be offered to eligible property owners above or in close proximity to the station, construction site and tunnel alignment.

Six month construction lookahead

Activity (subject to change)	Jun	Jul	Aug	Sep	Oct	Nov
Utility and geotechnical investigations	●●●	●●●	●●●	●●●	●●●	●●●
Site surveys and installation of ground monitoring equipment	●●●	●●●	●●●	●●●	●●●	●●●
Site establishment (installing scaffold, site hoarding and building construction access points)	●●●	●●●	●●●	●●●		
Demolishing existing structures using heavy machinery	●●	●●	●●	●●	●●	●●
Excavation of temporary decline access tunnel	●●	●●				
Excavation of station cavern	●●	●●	●●	●●	●●	●●
Excavation of turnback tunnels		●●	●●	●●	●●	●●
Hunter Street East ● Hunter Street West ● Some out of hours works required ●						



A map of the pedestrian access changes at Hunter Street West

Our community team

JCG has a team committed to working with the community as it delivers the project. The team will play an active role in getting to know and understand the local community to ensure that impacts on residents and local businesses are minimised.

Please contact the JCG community team on **1800 612 173** if you have any questions or would like to provide feedback about the ETP works at Hunter Street. We will continue to keep you updated on the progress of work in your area.

Supporting local businesses

JCG is committed to supporting local businesses surrounding the ETP works. We would like to remind the community that the retailers in Brookfield Place and Hunter Connection on Pitt will remain open. Please refer to a list of retailers in the figure above.

We encourage the community and our team to 'spend local' and help support our project neighbours. Whether it be grabbing a bite to eat, getting a haircut, or buying a paper – every bit counts!

Work hours

Tunnelling will be undertaken 24 hours per day, seven days a week. Sometimes we must also carry out above-ground activities outside of standard construction hours. We acknowledge that this work continues to have an impact on many local residents and businesses, and we thank you for your patience.

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Weekly email updates

If you would prefer to receive weekly updates by email please send a request to: **MetroTunnelsJCGJV@transport.nsw.gov.au** and we will add you to the distribution list.

Have your say

If you have any questions or would like more information please contact our project team:

1800 612 173 Community infoline open 24 hours

MetroTunnelsJCGJV@transport.nsw.gov.au

Sydney Metro West

PO Box K659, Haymarket NSW 1240



Translating and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 612 173.



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