



Movable formwork inside the cavern tunnels at Pitt Street Station

## Focus on concrete works as Pitt Street sites near completion

Excavation of the shaft is continuing at the Pitt Street North site, with excavators removing the sandstone via the tunnels to the Pitt Street South site. A crane is then used to lift the excavated material from the floor of the shaft to waiting trucks on the metal deck. Ground support work at the north site is also ongoing, including rock bolting and concrete works.

At the south site, there is a small amount of excavation to be completed. Support work includes installation of ground anchors and the concrete lining for the shaft.



Pitt Street South shaft being excavated

Deliveries and crange of plant and materials for both north and south sites are being undertaken at Pitt Street South.

The tunnels from Marrickville to Pitt Street have now been completed and handed over to the contractor responsible for installing the rail infrastructure. In the station caverns, construction of the permanent concrete lining is now complete under Castlereagh Street and close to completion under Pitt Street.

Sydney Metro is Australia's biggest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro City & Southwest extends the new metro network from the end of Sydney Metro Northwest at Chatswood, under Sydney Harbour, through the CBD, and west to Bankstown.

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.

## Three-month look ahead

Activity (subject to change)	August	September	October
Installation of concrete tunnel lining	●●	●●	●●
Removal of excavated materials	●●	●●	●●
Installation of ground anchors	●●	●●	●●
Installation of ground anchors and support work	●●	●●	●
Excavation of station access shaft	●●	●●	●
Delivery and demobilisation of plant and equipment	●	●	●

Pitt Street North ● Pitt Street South ●

## Project update along the Sydney Metro City & Southwest alignment

As the John Holland CPB Ghella (JHCPBG) tunnelling and station excavation portion of the project nears completion, the Waterloo Station site has now been handed over to the integrated station development team comprising John Holland and Mirvac, who will deliver the station and the new Metro Quarter development.



The Waterloo Station site has now been handed over to the integrated station development team

Meanwhile, the tunnels leading from the Marrickville dive site into the city have been completed and handed over to Systems Connect, the contractor responsible for installing the rail tracks, power systems and supporting infrastructure. In the north, the Crows Nest station box is now complete and has been handed over to Sydney Metro, while the tunnels between Chatswood and Crows Nest have also been handed over to Systems Connect.



Sections of completed tunnels are now ready for rail track and systems installation



The Victoria Cross cavern is the largest rail cavern in Australia

In other areas of the project excavation of all the station caverns is complete, including Australia's largest rail cavern at Victoria Cross Station. The focus is now on completing access and service areas and installing the permanent concrete lining.

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