



The tunnel portals (nozzles) inside the Crows Nest station box

## Excavation of Crows Nest Metro Station complete

Work at the Crows Nest station site has come to an end for the John Holland CPB Ghella (JHCPBG) team now we have completed the excavation of the future metro station. The JHCPBG team would like to take this opportunity to say thank you to the entire Crows Nest community for your interest in the project, joining us at open days and for your ongoing support during our time here.



Excavation of the station box as seen looking north from under the Hume Street bridge

The work at the Crows Nest Station site presented many challenges, including being a compact site surrounded by multi-storey residential and commercial buildings. An acoustic cover was installed over the entire site early on to minimise noise for the surrounding community, while a new steel bridge was built over Hume Street to allow truck access and excavation to continue below.

Over the course of construction, the team focused on excavation of the future station box, removing about 350,000 tonnes of spoil in 15 months.

Nozzles at the site's northern end had to be ready for two TBMs (Wendy and Mabel) to arrive in mid-2019, along with stub tunnels at the southern end so that the TBMs could relaunch on their way towards Victoria Cross. Once the TBMs were underway, the site became a key logistical hub for cross passages and the invert works.



An aerial view of the Crows Nest site in February 2019

We are proud to have delivered the area for your new station and the tunnels that will give the Crows Nest community new connections to the CBD and beyond. Thank you for allowing our team to be a part of your community over the past two and a half years.

The site will now be handed over to Line-wide contractor, Systems Connect, who will begin installing the future rail tracks and power systems in the tunnels.

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.



## 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, our team has begun handing over our sites to follow-on contractors. The future Waterloo station in Sydney's south has now been handed over to the integrated station development team who will deliver the station and Metro Quarter.



Sections of completed tunnels will soon be ready for track installation

Meanwhile, the tunnels leading from the Marrickville dive site into the city have been completed and are being handed over to the Line-wide contractor, Systems Connect, who will begin installing the future rail tracks, power systems and supporting infrastructure. This handover will also be completed in the north with the tunnels between Chatswood and Crows Nest soon to be handed over to the Line-wide contractor.



Formwork, waterproofing and concrete lining is nearing completion in the Victoria Cross station cavern

In other areas of the alignment, excavation of the escalator barrel from the surface of Martin Place down to the future metro platforms has been completed and major works are underway at the Barangaroo station site, where the rail crossover cavern is being

built, in which the trains will be able to switch tracks if required. In North Sydney, at Victoria Cross Station, excavation of the largest rail cavern in Australia is now complete with the focus now on installation of the permanent concrete lining.



Formwork, waterproofing and concrete lining underway at Barangaroo

From August 2020, a new contractor, Systems Connect, will move into the Crows Nest site.

Systems Connect (an unincorporated joint venture between CPB Contractors and UGL Limited) is delivering line-wide work, including installing metro rail track, power systems, communications, signalling systems and infrastructure to turn the excavated tunnels into a working railway between Chatswood and Sydenham. Work will also include the permanent systems, services and buildings required for Sydney Metro operations between Chatswood and Bankstown.

Sydney Metro will provide more information on planned construction activities as the work progresses. For more information about line-wide work, call the 1800 171 386 community information line.

## Want to stay up to date?

Register today for community email updates at [tunnels@transport.nsw.gov.au](mailto:tunnels@transport.nsw.gov.au).

## Contact us

For more information, enquiries or complaints please contact us at:


 **1800 171 386** 24-hour community information line

 [tunnels@transport.nsw.gov.au](mailto:tunnels@transport.nsw.gov.au)

 [sydneymetro.info](http://sydneymetro.info)

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 **Sydney Metro City & Southwest**  
PO Box K659, Haymarket NSW 1240

 If you need an interpreter, call TIS National on **131 450** and ask them to call **1800 171 386**