



Work in the Sydney Metro City & Southwest tunnels between Chatswood and Crows Nest is now focussed on mechanical and electrical fit-out.

## A hive of mechanical & electrical fit-out in the Chatswood tunnels

### Building Australia's biggest public transport project

The construction teams working at the Northern Dive at Chatswood are on track with the huge task of converting the excavated metro tunnels into a working railway by 2024.

With track construction in the metro tunnels between Chatswood and Crows Nest completed, workers are now installing the kilometres of pipes, cables and walkways required for operation of the driverless trains.

The dual 3.2 kilometre section of tunnels (6.4 kms in total) were initially drilled with about 62,000 holes needed to bolt thousands of mounting brackets to the tunnel walls.

Next, rail mounted wagons carrying steel components such as fire main pipes, cable containment trays and maintenance walkways move along the tunnels, with workers using onboard cranes to assist with heavy lifting.

The next stage of mechanical and electrical fit-out sees crews laying hundreds of kilometres of high and low voltage cables and communications wires in the tunnels.

The project is an extension of the metro rail from Tallawong to Chatswood under Sydney Harbour and the CBD to Bankstown and includes two 15.5-kilometre rail tunnels linking seven new underground stations.

In 2024, Sydney will have 31 metro railway stations and a 66-kilometre standalone metro railway system, revolutionising the way people in Australia's biggest city travel.

The Chatswood works compound, at the corner of the Pacific Highway and Mowbray Road, is being used to provide work crews with access for:

- Ongoing mechanical and electrical fit-out of both the northbound and southbound tunnels
- Construction of the 'open dive' ramps leading in and out of the tunnels at Chatswood, for future connection of Sydney Metro City & Southwest with the existing Metro North West Line
- Completion and fit-out of the Northern Dive Building above the entrance and exit of the tunnels at Chatswood

Construction activity will continue at the Chatswood site until early 2023.

## The Northern Connection at Chatswood is taking shape

The Northern Dive at Chatswood, which is the ramp leading in and out of the tunnels, has reached an advanced stage of construction.

Workers have built the retaining walls and excavated the dive ramps. Soon they will construct the base slabs which will form the foundations for the track which will lead metro trains into and out of the twin tunnels at Chatswood.

Later this year, work will begin to build the final segments of track that will link the Sydney Metro North West Line with the new City & Southwest from Chatswood to Bankstown.

Construction of the Sydney Metro City & Southwest Line-wide Works Project is being delivered by Systems Connect, an unincorporated joint venture of CPB Contractors and UGL Limited.



A section of the large gantry crane shed site has been removed to make room for above-ground construction of the Northern Dive Building, directly above the tunnels below.



The ramps and track leading in and out of the tunnels at Chatswood are taking shape, with the base slab, track and overhead wiring to be installed during the first half of 2022.

## What is the Northern Dive Building?

The Northern Dive Building contains tunnel ventilation systems and other equipment needed to manage services required for train operations in the tunnels. It also provides maintenance access down the rail corridor.

The mostly below-ground facility will include:

- Transformers, electrical switchboards and telecommunications equipment
- Pump rooms with fire pumps, fire booster and associated services
- Aluminium building facades, steel external fencing, sediment pond and some landscaping around the single storey of the building, visible above-ground.

## Six month lookahead

Activity (subject to change)	February	March	April	May	June	July
Construction of open dive base slab	●	●				
Construction of open dive track slab			●	●	●	●
Install of overhead wiring in tunnels			●	●	●	
Dive building equipment installations	●	●	●	●	●	●
Dive building above-ground slab	●					
Dive building walls and roof	●	●	●	●		

## Contact us



**1800 171 386** Community information line open 24 hours



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