

# Construction update – Orchard Hills

## Station Boxes and Tunnelling

25 March 2024

Sydney Metro – Western Sydney Airport is the new metro railway line which will service Greater Western Sydney and the new Western Sydney International (Nancy-Bird Walton) Airport. A city-shaping project, the 23-kilometre new railway will connect the Western Sydney Aerotropolis in the south with St Marys in the north – where customers can connect to the existing Sydney Trains suburban T1 Western Line. The NSW and Australian governments have a shared objective of having Sydney Metro – Western Sydney Airport operational when the airport open for passenger services.

CPB Contractors Ghella are completing the station boxes and tunnelling works for Sydney Metro – Western Sydney Airport.

### Construction activities

Tunnelling contractor CPBG continues work over the next two months at the Orchard Hills Station site. Please see the map overleaf for work locations.

Most work will be carried out during standard construction hours **Monday to Friday 7am to 6pm** and **Saturday 8am to 1pm**. Some out-of-hours work activities will be carried out to mitigate quality and safety risks, and in line with the project Environment Protection Licence, Road Occupancy Licences, and Transport for NSW requirements. Surrounding residents and businesses will be notified in advance of any out-of-hours work.

Tunnelling work started at Orchard Hills in July 2023 and has progressed past Claremont Meadows. This work will occur up to **24 hours a day, seven days a week**. Follow the tunnel boring machines progress at [sydneymetro.info/journey-sydney-metro-western-sydney-airport-tunnel-boring-machines](https://sydneymetro.info/journey-sydney-metro-western-sydney-airport-tunnel-boring-machines)

### Out-of-hours work in April and May will include:

- Oversized plant and equipment deliveries including tunnel segment deliveries, survey, utility adjustments and concrete formwork
- Concrete pours and associated works up to six days per week from **Monday to Friday 6pm to 10pm** and **Saturday 1pm to 4pm**
- Cross passage excavation, and ground support installation
- Grout plant operation
- Low impact work in the station box **24 hours a day, seven days a week**
- Spoil removal via haulage trucks from **Monday to Sunday 7am to 10pm**



## Standard construction hours work in April and May include:

- Site wide concrete works, including formwork, for various structures
- Tunnel boring machine segment deliveries
- Commissioning and operation of a water treatment plant
- Installing tunnel dive structure drainage and concrete formwork
- Delivering and removing plant and equipment
- Safely removing hazardous materials, in line with SafeWork NSW and Environment Protection Authority guidelines, and Sydney Metro health and safety procedures
- Site photography using drone cameras above the construction site.

## Out-of-hours work six-month lookahead:

Activity	Timing
Tunnel segment deliveries	April 2024 – August 2024
Concrete formwork, concrete, oversized plant and equipment deliveries	April 2024 – August 2024
Cross passage excavation, concrete lining and waterproofing	April 2024 – July 2024
Station box permanent works, including piling, concrete formwork and steel fixing	May 2024 – August 2024

## What to expect:

- Work activities will generate noise, vibration, dust and potential light impacts at night. Mitigation measures will be in place to minimise these impacts including noise and vibration monitoring, noise blankets, respite periods, dust suppression and directing lights away from residential properties
- Worker and vehicle movements in and around the work site.

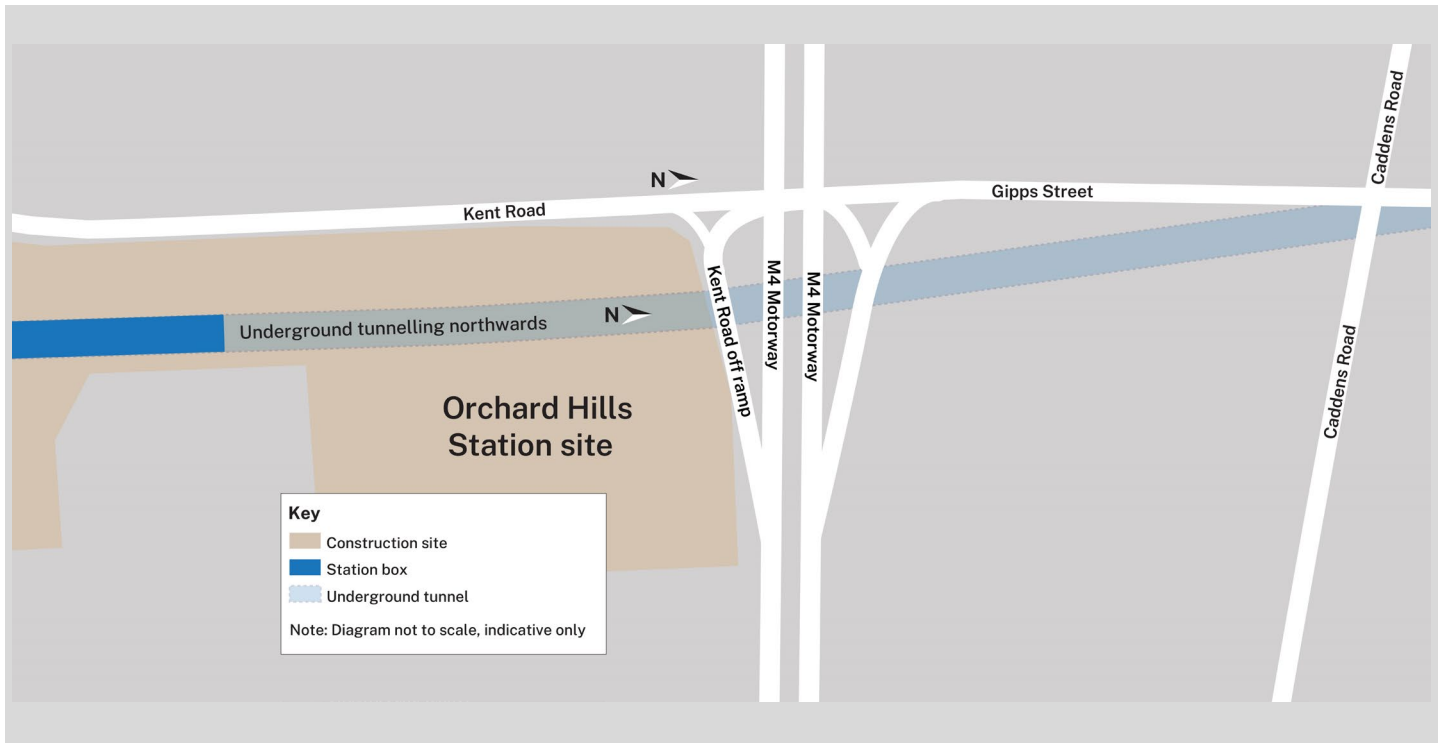
## Equipment used:

Includes (but is not limited to) traffic management devices, drone cameras, vacuum excavation vehicle, excavators, heavy vehicles and trailers, ride-on mower, drilling rig, profiler, asphalt roller, concrete agitators, water carts, mist-sprayers, pneumatic drills, concrete saws, mobile cranes, bobcats, telehandler, power generators, compaction rammers, mulchers, light vehicles, specialist survey vehicles and equipment, spoil trucks, earthworks equipment, concrete pumps, piling rigs, bolting rig, shotcrete rig, tower crane, lighting towers, tunnel boring machine components and tunnel segments.

## Changes to traffic, pedestrian and cyclist routes:

During these works, there may be some impacts to roads including increased heavy vehicle movements. For the safety of road users, traffic control will be in place when required to assist with any changes to traffic conditions.

## Work location



## Feedback

We invite your feedback on appropriate respite periods or mitigation measures that may be required to your specific circumstances. Contact your local Place Manager, Michelle to discuss your preferences or to be added to the distribution list to review these updates via email.

CPBG's Community Communications Strategy is available online at [Community Communications Strategy](#). Contact us to provide feedback on this plan. We value your input regarding our communications approach and engagement.

Thank you for your cooperation while we complete these essential works.

### Contact us



24-hour Community Information Line **1800 717 703**



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



Sydney Metro – Western Sydney Airport,  
PO Box K659, Haymarket NSW 1240



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