

Construction update – Orchard Hills

Station Boxes and Tunnelling

21 September 2023

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.

Follow the tunnel boring machines progress at sydneymetro.info/journey-sydney-metro-western-sydney-airport-tunnel-boring-machines.

Out-of-hours work in October and November 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**
- Tunnel boring machine component assembly
- Station box and tunnel excavation, and ground support installation
- Low impact work in the station box **24 hours a day, seven days a week**
- Tunnelling work started in July 2023 and will occur **24 hours a day, seven days a week**.

Standard construction hours work in October and November will 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 drive 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	October 2023 – February 2024
Concrete formwork, concrete, oversized plant and equipment deliveries	October 2023 – February 2024
Tunnel and cross passage excavation	October 2023 – February 2024

What to expect:

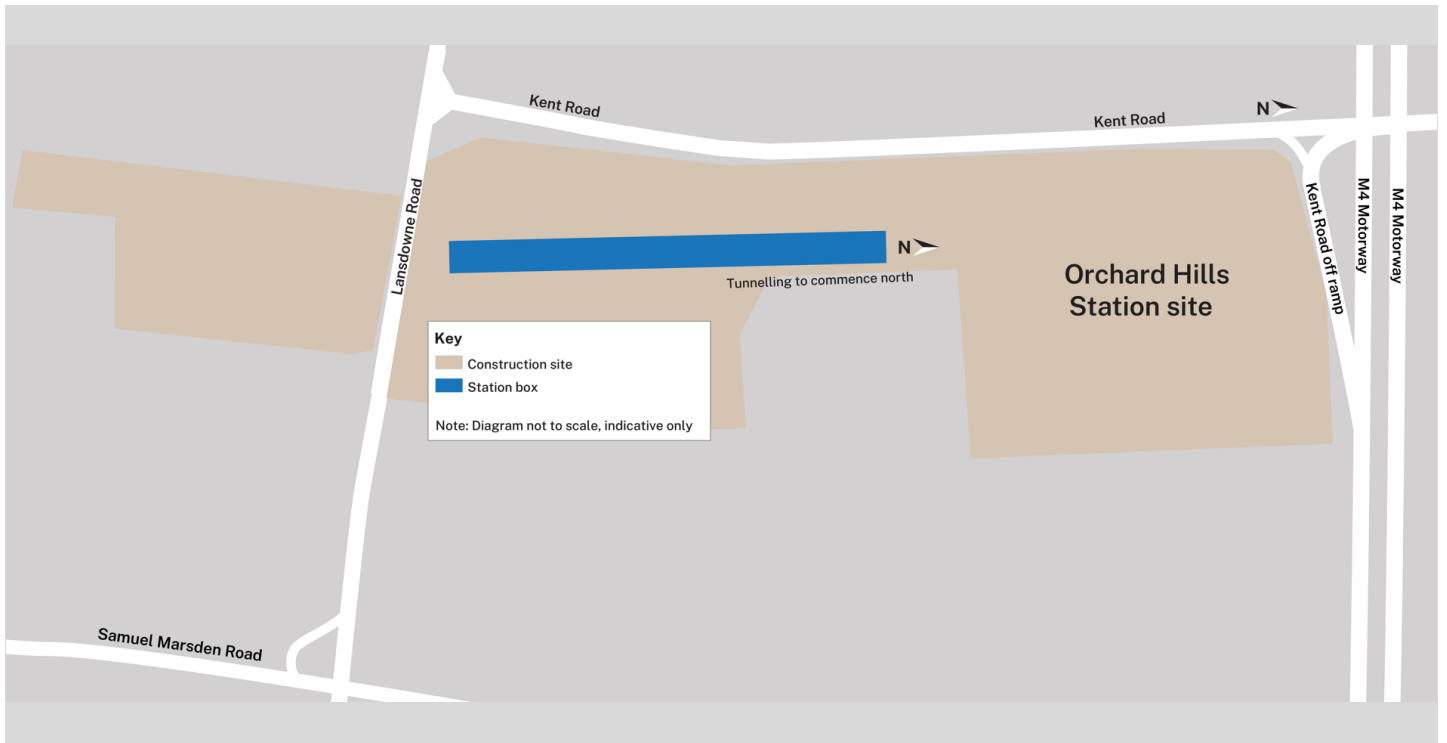
- Work activities will generate noise, vibration, dust and potential light impacts at night. Mitigation measures will be in place to minimise these impacts including noise and vibration monitoring, noise blankets, respite periods, dust suppression and directing lights away from residential properties
- Increased 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, chain saws, 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, roadheader, tunnel boring machine components and tunnel segments.

Changes to traffic, pedestrian and cyclist routes:

Public access for road users will be on the temporary Lansdowne Road diversion. During the work, traffic controllers and signage will be in place to assist motorists, pedestrians and cyclists safely around work areas. Traffic changes will include contraflow traffic flow and stop-slow traffic controls. The times of these changes will vary and are dependent on road authority approvals. Property owners will be separately notified if access to driveways will be affected or access to private property is requested.



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 www.cpbcontractors.cc/SBTstrategy. Contact us to provide feedback on this plan.

Contact us

-  24-hour Community Information Line **1800 717 703**
-  **sydneymetrowsa@transport.nsw.gov.au**
-  Sydney Metro – Western Sydney Airport,
PO Box K659, Haymarket NSW 1240



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