

## Construction update – Orchard Hills

1 February 2023

Sydney Metro is Australia's biggest public transport project.

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 opens for passenger services.

CPB Contractors Ghella was awarded the tunnelling contract for Sydney Metro – Western Sydney Airport in December 2021.

### Ongoing construction activities and commencement of tunnelling

Construction at the Orchard Hills Station site is continuing over the next two months. Work to build a new bridge at Lansdowne Road to facilitate tunnelling activities will also be carried out. 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, such as oversized plant and equipment deliveries, survey, asphaltting and utility adjustments, 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.

Tunnelling work is planned to commence in March 2023 and will be in operation 24 hours a day, seven days a week. Surrounding residents and businesses will be notified in advance of any out-of-hours work.

### Work in February and March will include:

- Ongoing site establishment including fencing, excavating to level site, stockpiling materials, road repairs, maintaining vegetation, installing temporary site utilities and environmental controls
- Site-wide and station box bulk excavation including earthworks, anchor installation, rock bolting and shotcreting
- Excavating and placing of concrete piles with piling rigs, and capping beam construction
- Constructing Lansdowne Road bridge over the future rail corridor including culverts, precast plank installation, conduit installation and supporting roadworks
- Widening of Kent and Lansdowne Roads, including upgrading the existing asphalt road surface; installing line markings and signage; and installing new kerb, gutters and driveways
- Site wide concrete works, including formwork, for various structures
- Tunnel boring machine component delivery and assembly, and tunnel segment deliveries
- Construction of a spoil storage shed and conveyor structures, and commissioning of a water treatment plant
- Installing and relocating stormwater drainage within road and driveway areas
- Delivering and removing plant and equipment, including crane installation
- Drilling for geotechnical investigations with a borehole rig, excavating for test pits, and ongoing well monitoring
- Safely removing hazardous materials, in line with SafeWork NSW and Environment Protection Authority guidelines, and Sydney Metro health and safety procedures.

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

Activity	Timing
Tunnel boring machine component delivery and assembly	February-April 2023
Tunnel segment deliveries	February-September 2023
Station box excavation, ground support installation, concrete formwork, oversized plant and equipment deliveries, excavated material removal	February-July 2023
Bridge construction	February-March 2023
Tunnel excavation	March-July 2023

**What to expect:**

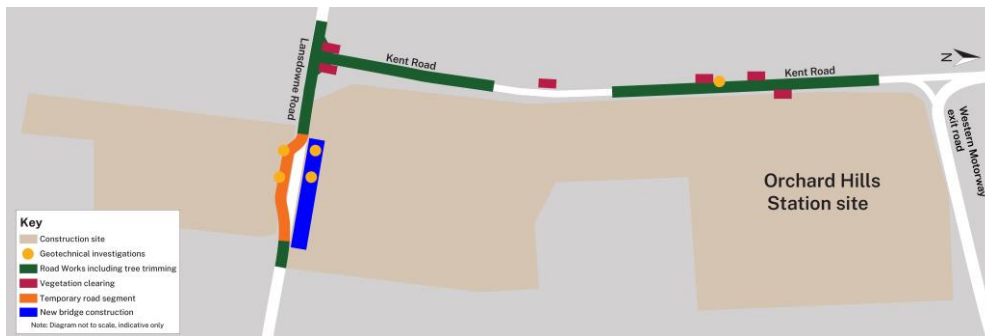
- Work activities will generate noise, vibration and dust. Mitigation measures will be in place to minimise these impacts including noise and vibration monitoring, noise blankets, respite periods and dust suppression
- Increased worker and vehicle movements in and around the work site.

**Equipment used:**

Equipment includes but is not limited to traffic management devices, 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, generators, compaction rammers, mulchers, light vehicles, specialist survey vehicles and equipment, spoil trucks, earthworks equipment, concrete pumps, piling rigs, bolting rig, shotcrete rig cranes, tower crane, 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.



**Contact us:**

We invite your feedback on appropriate respite or mitigation measures that may be required for your specific circumstances. Contact your local Place Manager, Michelle on 1800 717 703 or email [sydneymetrowsa@transport.nsw.gov.au](mailto:sydneymetrowsa@transport.nsw.gov.au) to discuss your preferences.

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



**1800 717 703** Community information line open 24 hours



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



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



If you need an interpreter, contact TIS National on **131 450** and ask them to call **1800 717 703**

SBT0075