

## Construction update – Orchard Hills

17 November 2022

### 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 (CPBG) 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 Metro station site is continuing over the next 12 weeks. 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, concreting and utility adjustments may be carried out to mitigate quality and safety risks, and in line with the project Environment Protection Licence, Road Occupancy Licenses, and Transport for NSW requirements.

Tunnelling work, including haulage, is planned to commence in January 2023 and will be in operation 24 hours a day, seven days a week. Surrounding residents will be notified ahead of out-of-hours work.

The Orchard Hills site will be closed for the holiday period from **Friday 23 December 2022 to Tuesday 3 January 2023**. Regular security, environmental and safety monitoring of worksites will continue during this time.

### Work will include

- Ongoing site establishment including fencing, excavating to level site, stockpiling materials, road repairs, maintaining vegetation, temporary site utilities and installing environmental controls
- 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
- Excavating and placing of concrete piles with piling rigs, and capping beam construction including concrete pours
- Assembling tunnel boring machine components and installing a tower crane to support machine operation
- Site-wide and station box bulk excavation including bulk earthworks, anchor installation, rock bolting and shotcreting
- Site wide concrete works for miscellaneous structures including formwork
- Construction and commissioning of a water treatment plant including use of a crane
- Construction of a spoil storage shed and conveyor structures
- Installing and relocating stormwater drainage within road and driveway areas
- Delivering and removing plant, equipment and excavated material with truck and trailers
- Drilling for geotechnical investigations with a borehole rig, excavating for test pits, and ongoing well monitoring
- Installing survey markers on existing roads, concrete or posts along and up to 50 metres either side of the tunnel alignment. Small concrete pads will be installed at some locations to enable marker placement.

- Safely removing hazardous materials, in line with SafeWork NSW and Environment Protection Authority guidelines, as well as Sydney Metro health and safety procedures.

### What to expect

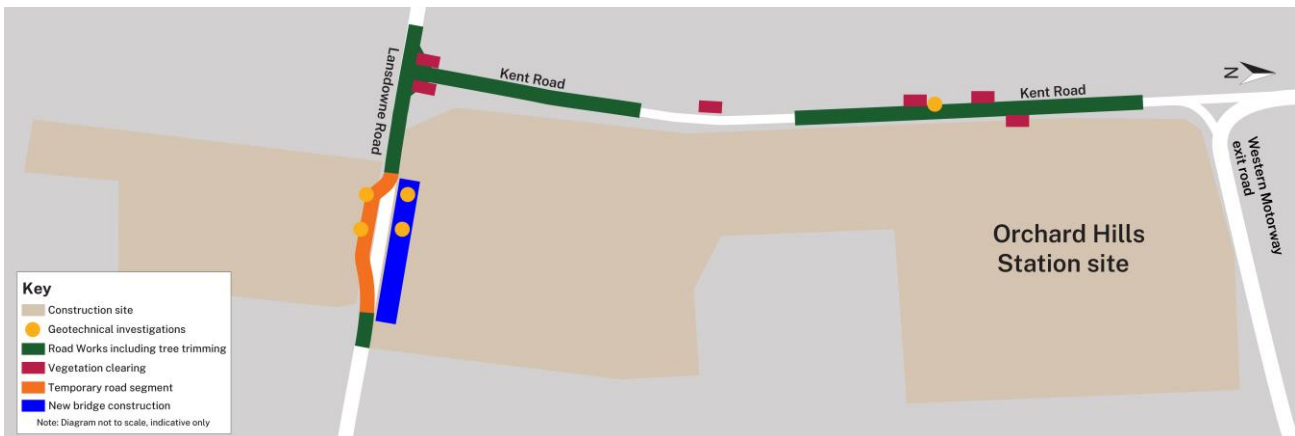
- Work activities will generate noise, vibration and dust. Mitigation measures will be in place to minimise these impacts including noise and vibration monitoring, respite periods and dust suppression.
- Increased worker and vehicle movements in and around the work site
- Geotechnical investigations will take 1-2 days and the drill rig will remain in position during this time.

### Equipment used

Equipment for this work includes but is not limited to barriers, 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, survey equipment, light vehicles, specialist survey vehicles, spoil trucks, earthworks equipment, concrete pumps, piling rigs, bolting rig, shotcrete rig and cranes.

### 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

Please contact Michelle from the CPBG community team on 1800 717 703 if you have any questions, complaints or would like to provide feedback about the work, including appropriate respite periods. If prefer to receive these updates by email, please email us at [sydneymetrowsa@transport.nsw.gov.au](mailto:sydneymetrowsa@transport.nsw.gov.au).

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**

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