



Construction has started at the Clyde dive temporary shaft

# Major work to start at Clyde

The NSW Government is delivering Sydney Metro West, a new underground metro railway which will double rail capacity between Parramatta and the Sydney CBD, with a target travel time of about 20 minutes between the two centres.

Sydney Metro West stations have been confirmed at Westmead, Parramatta, Sydney Olympic Park, North Strathfield, Burwood North, Five Dock, The Bays, Pyrmont and Hunter Street in the Sydney CBD.

Gamuda Australia and Laing O'Rourke Consortium (GLC) has been awarded the contract to deliver the Western Tunnelling Package which involves nine kilometres of twin metro rail tunnels between Westmead and Sydney Olympic Park, excavation for two new metro stations, a stabling and maintenance facility at Clyde and a precast facility at Eastern Creek.

## Clyde construction overview

Work at the new Clyde stabling and maintenance facility commenced in early 2022 as part of the city-shaping Sydney Metro West project.

GLC is continuing site establishment work in Clyde. Work includes utility upgrades, construction of an acoustic shed, and excavation of a temporary access shaft for the excavation of underground tunnels and caverns.

Major work including construction of the launch box for the tunnel boring machine (TBM), and ground work for the future services facility is planned to commence in early 2023.

Tunnel boring machines will launch in late 2023.

## Sydney Metro West Clyde stabling and maintenance facility

The Clyde stabling and maintenance facility will be the operations and control centre for Sydney Metro West. Within the site there is the Rosehill services facility and Clyde dive.

### Clyde stabling and maintenance facility

Construction activity includes site establishment, earthworks, road realignment and construction of bridges over A'Becketts Creek and Duck Creek.

Unwin Street will be realigned to accommodate the stabling and maintenance facility. This will include the construction of bridges over the creeks, connecting Unwin Street to Wentworth Street. Work will begin in April 2023 and be completed in late 2024.

### Rosehill services facility

The Rosehill services facility is the launch site for the TBMs and will form part of the Clyde stabling and maintenance facility. The TBM launch box will be 120 metres long, 20 metres wide and 28 metres in depth. The tunnel boring machines will construct and line the new

twin metro tunnels to Sydney Olympic Park and then be relaunched to Parramatta and Westmead metro stations from late 2024 to mid 2025.

### Clyde dive

The dive structure will form the portal where the metro line transitions from below ground to the surface, enabling the metro trains to access the above ground stabling and maintenance facility.

Underground roadheader tunnels and caverns will be constructed to connect to the twin metro tunnels. These will be located between Rosehill and Parramatta. The tunnels will be up to 700 metres long and the caverns will be 155 metres long, 15 metres wide and 12 metres high.

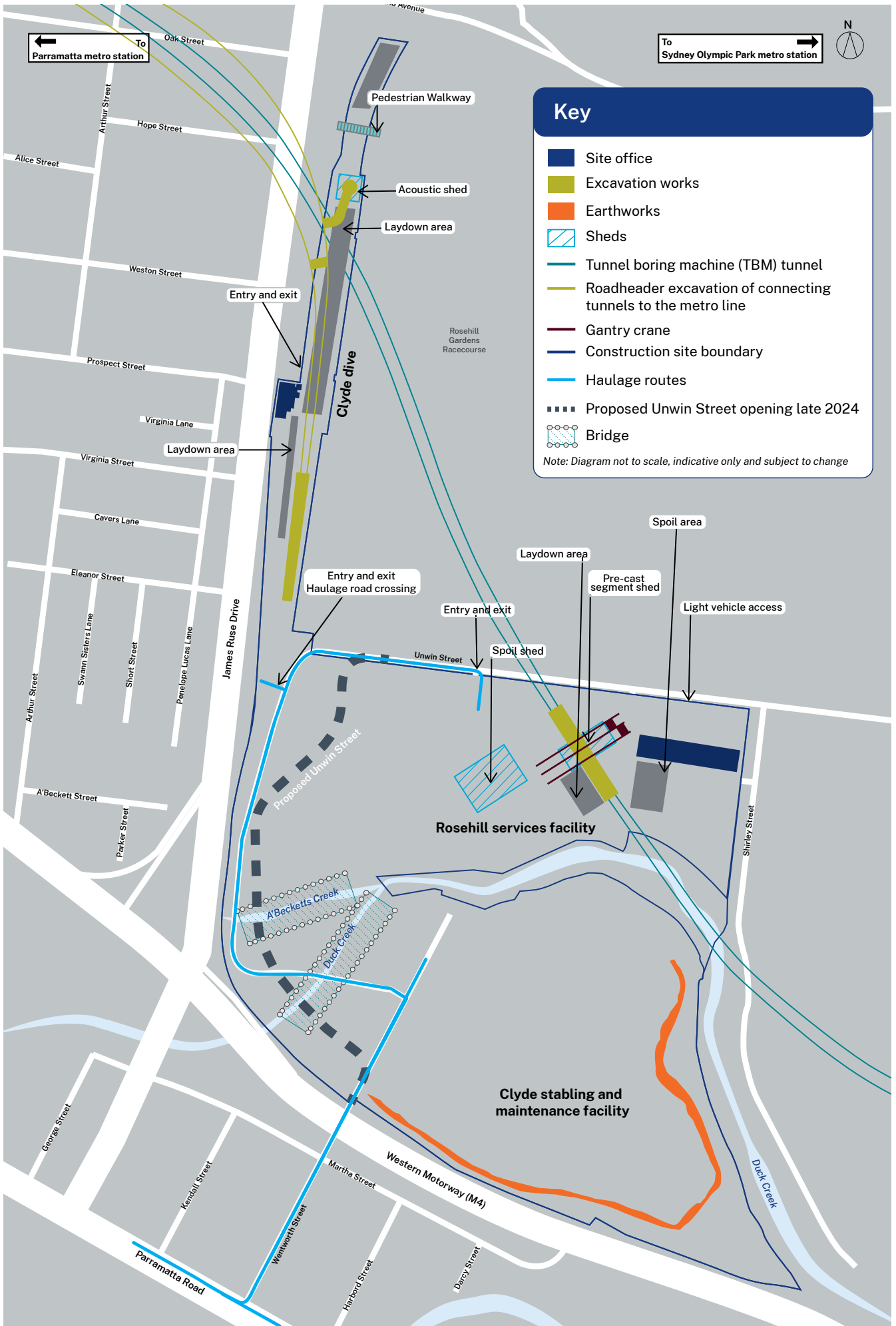
Roadheader excavation will begin in early 2023 and is planned to be undertaken 24 hours a day, seven days a week. Work is expected to continue through to late 2024.

An acoustic shed is being constructed above a temporary access shaft that will be used to lower roadheaders underground. The shed will be 20 metres high and insulated with sound absorbing material to minimise noise and dust impacts. See map for shed location.

Six month look ahead						
Activity	January	February	March	April	May	June
Construction of acoustic shed at Clyde dive	●	●				
Site establishment activities	●	●	●	●	●	●
Excavation and earthworks	●	●	●	●	●	●
Utility upgrades and installation	●	●	●	●	●	●
Construction of TBM launch box at Rosehill services facility	●	●	●	●	●	●
Construction of bridges over A'Becketts Creek and Duck Creek	●	●	●	●	●	●
Construction of dive structure at Clyde dive		●	●	●	●	●
Excavation of roadheader tunnels and caverns from Clyde dive		●	●	●	●	●

### Indicative construction timeline

	We are here			
Early to mid 2022	Mid 2022 to early 2023	Early 2023 to mid 2024	Late 2023 to mid 2025	Late 2025
Site investigations	Site establishment	Construction of connecting tunnels and caverns	Launch of TBMs and construction of twin metro tunnels	Site handover for operations and control centre construction



An indicative map of the Clyde construction site.

## Managing noise and vibration impacts

To reduce the impact to the local community, noise and vibration are regularly monitored to ensure the project is operating within its strict environmental requirements.

While noise and vibration is unavoidable during construction, mitigation measures will be implemented to minimise impacts on the community.

These will include:

- selecting machinery and planning activities that will minimise construction impacts
- installing noise blankets, hoarding, acoustic shed and non-tonal reversing alarms
- prioritising high noise and vibration-causing activities to standard construction hours, where possible
- notifying nearby residents in advance of noise or vibration-generating work.

## Managing dust and waste materials

A range of measures will be used to minimise dust and air quality impacts. These will include:

- using water carts to wet down areas and manage dust around the site
- installing permanent hoarding around sections of the site to manage noise, dust and visual amenity
- covering stock piles
- regular monitoring of potential sediment and discharge in the environment surrounding the project site
- removing all hazardous material in accordance with SafeWork NSW guidelines.

### Construction hours

Work hours are Monday to Friday 7am to 6pm, and Saturday 8am to 6pm.

From February, roadheader tunnelling works and removal of excavated material will be undertaken 24 hours a day, seven days a week.

## Out-of-hours work

Occasionally, activities such as utility investigations or work on roads around site must be carried out at night for the safety of workers, motorists and pedestrians.

Depending on the type of work and expected impacts, a range of mitigation measures may be used such as completing the noisiest work before midnight, installing noise blankets around the worksite, implementing respite periods or providing alternative accommodation.

The project team will provide regular communications and liaise with directly affected residents to provide more information and discuss mitigation options before the work.

If you have an enquiry or would like to provide feedback about the work, including appropriate respite periods, please contact our GLC community team using the details provided below.

## Out of hours six month look ahead

Activity	Location	Noise Impact	Timing
Oversized machinery and equipment deliveries	All sites via main entrance	Low	As required
Road realignment work	Unwin Street	Low	April 2023 to late 2024
Rosehill utility upgrades and installations	Unwin Street, Shirley Street, Martha Street	Low to medium	January to July 2023
Clyde dive utility upgrades and installations	James Ruse Drive	Low to medium	January to late 2023

### Have your say

If you have any questions or would like more information please contact our project team:

1800 612 173 Community infoline open 24 hours

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

Sydney Metro

PO Box K659, Haymarket NSW 1240



### Translating and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 612 173.



Access information in over 100 languages.

Download **Sydney Metro Connect** from the App store or get it on Google Play.