



A stabling yard with enough tracks to park up to 16 metro trains is under construction at the Sydney Metro Trains Facility South in Marrickville.

Sydney Metro Trains Facility South taking shape

In just 12 months, a team of more than 500 workers has extensively transformed a huge vacant site into a new metro trains stabling and maintenance facility.

Already over 50% completed, the Sydney Metro Trains Facility South at Marrickville will be used for stabling, cleaning and performing light maintenance on a fleet of new driverless trains needed to service the 66-kilometre line from Tallawong to Bankstown.

On track for completion before the scheduled commencement of Sydney Metro City & Southwest passenger services in 2024, the state-of-the-art facility will include:

- Stabling yard parking for up to 16 metro trains
- Maintenance workshop and cleaning bays
- Administration, security and fire pump buildings
- A water treatment plant
- A covered store building, and
- Employee and visitor car parking.

Construction of each of the buildings is advanced and overhead wiring structures and trackways in the stabling yard (pictured above) are also being installed.

Work to expand the Sydney Metro Trains Facility at Rouse Hill (shown below), where heavy maintenance on the trains will be carried out, has been completed.

Over 95% of track construction for the Sydney Metro City & Southwest, which extends from Chatswood, beneath Sydney Harbour and the CBD to Marrickville and beyond to Bankstown, has been completed.

The new metro will be able to move more people across the Harbour in the busiest hour of the peak than the Harbour Bridge and Harbour Tunnel combined.

By 2030, Sydney will have four metro lines, with 46 stations and a network covering 113 km across Sydney's north west, south west and greater west, revolutionising the way Australia's biggest city travels.



The expanded Sydney Metro Trains Facility North, at Rouse Hill.



Construction workers have followed a COVID-19 Safety Plan.



Extensive civil works were needed to install pipes and services.

Construction has remained on schedule despite challenges

Despite challenges posed by the COVID-19 Pandemic and severe wet weather events, the City & Southwest Line-wide Works project team, comprising CIMIC Group companies CPB Contractors and UGL Limited, has kept construction at Marrickville on schedule.

Civil work on the SMTF South site began in May last year with soil testing, piling and the installation of ground services and drainage.

Meanwhile, surveyors carefully marked out the foundations for such important structures as the stabling yard, and administration, maintenance, security, and water treatment buildings.

By mid-year, the entire site was transformed into a hive of activity, with separate work crews simultaneously digging foundations, fixing steel reinforcement and pouring flooring slabs.

By carefully managing timing and access, the team has been able to maintain momentum across the project, making today's high level of completion possible.



Deep piles were bored into the ground to support building foundations.



The covered store building at Marrickville has been completed, providing welcome shelter from the recent heavy rains.



Fit-out of the administration building is now underway.



Any contaminated water from the rail tunnels will be managed here.

Construction highlights

The Stabling Yard

By the end of construction at Marrickville workers will have:

- Laid 9 new tracks using over 7.8 kilometres of rail
- Installed 1.4 kilometres of overhead wiring and 1.6 kilometres of electrical cabling, to energise the new stabling and maintenance facility
- Laid 18,000 tonnes of rock ballast to form the trackbed to support the rail, help with water drainage and prevent vegetation growth
- Laid 5,500 sleepers to keep the rail tracks in place – that is equivalent to the weight of almost 300 African elephants!

Administration Building

Structural fabrication has been completed with the current focus on finishing the internal and external fit-out of the building, with service roads, carparking and landscaping to follow.

Security and Fire Control Room Building

The security and fire control room facilities are combined into one building which will be the public face to the complex. Blockwork has been completed and structural steel installation has commenced.

Covered Store Building

One of the key milestones of the SMTF South project, this building is now operational in a temporary capacity as a construction storage facility. When the trains facility becomes operational it will serve as a train maintenance storage facility.

Maintenance Workshop Building

This multi-purpose building will be used to conduct light maintenance on the trains. Some key progress highlights include:

- Structural steel and blockwork complete
- Roofing and cladding has commenced.

Water Treatment Plant

This facility will enable the treatment of any contaminated water from the tunnel before it is discharged into the stormwater system. Current building activities include:

- Blockwork, structural steel work and roofing has been completed
- Clarifier tank constructed and mechanical and electrical fit-out of the facility is underway.

Meet Project Manager Luke Wagstaff



Luke Wagstaff is responsible for keeping his team safe and the project on schedule.

“After driving the expansion of Sydney Metro Trains Facility at Rouse Hill, it’s an absolute privilege to again be contributing to Australia’s biggest public transport project by leading our Line-wide team’s construction of SMTF South at Marrickville.”
- Luke Wagstaff, SMTF South Project Manager



Mechanical and electrical fit-out of the twin 15.5kms rail tunnels between Marrickville and Chatswood is on schedule for completion late this year.

What is happening below ground?

The mechanical and electrical equipment now being installed in the services buildings and tunnels includes the thousands of items needed to turn bare tracks into a railway ready for the driverless metro trains.

These include fire mains, walkways and brackets supporting cable trays containing high and low voltage cabling, signalling and communication systems.

Installation of the overhead wire that will power the trains has also begun.







This services building at the southern dive will provide power, ventilation, communications and other services to the tunnels below.

Six month lookahead

Activity (subject to change)	July	August	Sept	Oct	Nov	Dec
Construction of services buildings	●	●	●	●	●	●
Construction of the stabling yard	●	●	●	●	●	●
Mechanical & electrical fit-out	●	●	●	●	●	●
Service roads, parking & landscaping	●	●	●	●	●	●
Power supply delivery & connection	●	●	●	●	●	●
Testing & Commissioning	●	●	●	●	●	●

Contact us

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-  If you need an interpreter, contact TIS National on **131 450** and ask them to call **1800 171 386**