



Artist's impression of Waterloo Station

Works start at Waterloo Station site

Sydney Metro is Australia's biggest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

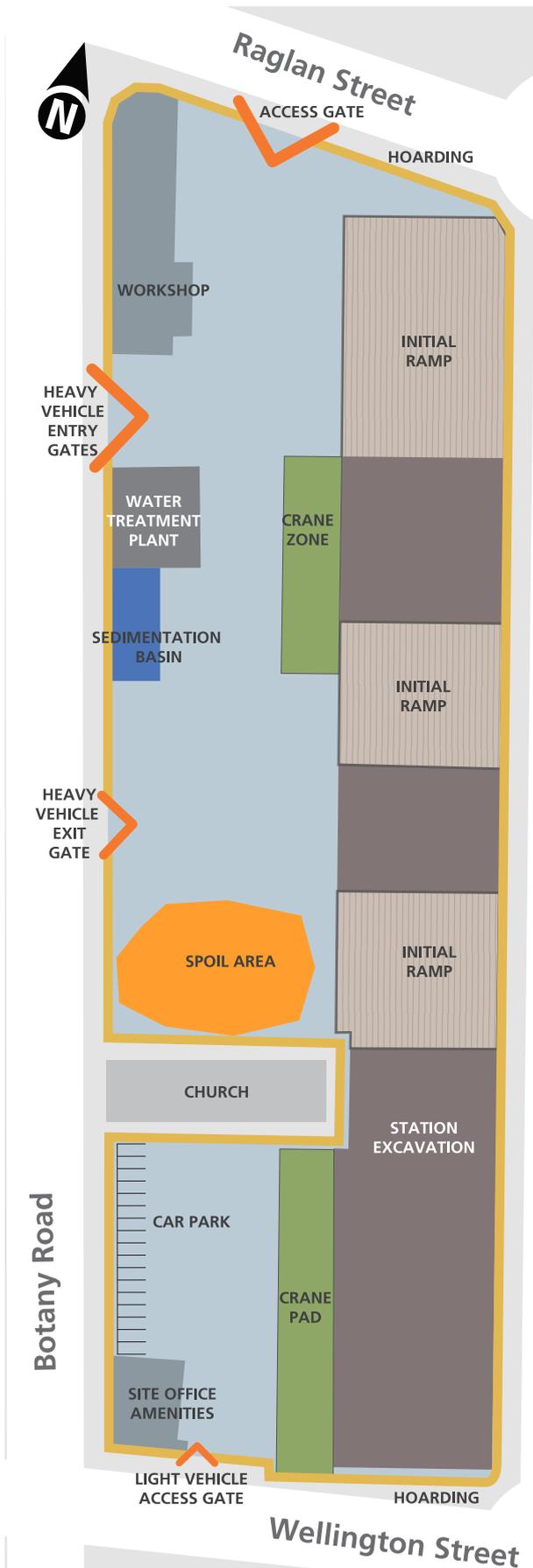
Sydney Metro City & Southwest extends the new metro network from the end of Sydney Metro Northwest at Chatswood, under Sydney Harbour, through the CBD, and west to Bankstown.

John Holland CPB Ghella (JHCPBG) has been contracted by Transport for NSW (TfNSW) to complete the major tunnelling and station excavation works. JHCPBG will design and construct the twin 15.5 kilometre rail tunnels

between Chatswood and Sydenham. The works also include building complex underground structures for six new metro railway stations at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street and Waterloo.

Works at the Waterloo Station site include excavating the new underground station area where the two tunnel boring machines (TBMs) will break through in 2019 after tunnelling from Marrickville.

The TBMs will relaunch from Waterloo to excavate the remaining 4.8 kilometres of tunnels to Barangaroo.



Proposed Waterloo Station construction site layout
Map indicative only. Subject to change.

Construction at a glance

Internal fixtures have been removed from the buildings on the Waterloo Station site. Demolition of these buildings is underway and expected to be completed by the end of December 2017.

Current activities include:

- ▶ disconnecting existing utilities and connecting temporary services to support demolition crews
- ▶ removing hazardous materials
- ▶ removing building awnings to make way for the installation of hoarding and fencing
- ▶ installing scaffolding around the buildings
- ▶ preparing utilities for construction including cable bundling and trenching.

JHCPBG will begin site establishment in November to prepare for the start of excavation.

Managing impacts on the environment and local community

JHCPBG is committed to making every effort to manage and mitigate the impact of construction on the environment and local community. Measures we will use include:

- ▶ selecting machinery and planning activities to reduce construction impacts
- ▶ carrying out building condition surveys, as required, before tunnelling activities start
- ▶ managing and mitigating site noise, including installing noise barriers
- ▶ providing respite where possible
- ▶ minimising dust using sprinklers on site and covering loaded trucks
- ▶ noise and vibration monitoring to ensure works are within allowable limits
- ▶ installing erosion and sediment controls
- ▶ containing and reusing site water where practical.

If you have any feedback, comments or suggestions about our environmental mitigation, particularly noise, please contact the 24/7 community information line on **1800 171 386** or email tunnels@transport.nsw.gov.au.

Christmas shutdown

The Waterloo Station site will shut down over the Christmas period from Saturday 23 December 2017 until Sunday 7 January 2018. Security will patrol the site during this period and you can contact us on 1800 171 386 with any issues. We wish all our neighbours a safe and happy festive season.

Three month look ahead

Activity (subject to change)	October	November	December
Carrying out high voltage power works	●	●	
Installing hoarding and scaffolding	●	●	●
Removing roof awnings to create site access on Botany Road		●	●
Carrying out structural demolition		●	●
Investigating utilities	●	●	●
Installing noise hoarding			●
Heritage investigations		●	●

Heritage investigations

Waterloo is an area rich in heritage. Specialist heritage consultants will undertake careful investigations of the Waterloo Station site to determine if any items of Aboriginal or historic significance are present.

JHCPBG has measures in place to appropriately manage any items which are found. The community will be updated on the outcome of these investigations.

Waterloo geotechnical testing

Engineers need to find out about the ground conditions they will be working in before they start any excavation or construction.

Geotechnical testing is how they check what types of soil and rock are under the areas they will be working in. A drill rig is used to dig down into the ground and bring up core samples for analysis.



Geotechnical test drilling produces core samples like this sandstone example

Most of Sydney sits on a combination of sandstone and some shale. Recent testing at Waterloo shows the site has a shallow layer of sand on top with sandstone and shale below.

Preserving Waterloo Congregational Church

Waterloo Congregational Church is a Victorian Gothic church built in 1883. It is heritage listed and used as a place of worship by the local community. JHCPBG will ensure the church is protected during construction.

Measures we will use include:

- ▶ installing rock anchors behind the church to provide further support during construction
- ▶ retaining the lower parts of walls from neighbouring buildings being demolished to support paths and garden beds
- ▶ installing vibration monitors during excavation and construction.



Waterloo Congregational Church will be protected during construction

Fences will be put up around the church's boundary before construction starts to separate the church grounds from the worksite.

JHCPBG will be working closely with the church's pastor on any changes needed. This includes the removal of outside fixtures which are not part of the original building and some vegetation.

Meet our team

JHCPBG has a team committed to working with the community as it delivers the project. The team will play an active role in getting to know and understand the local community to ensure that impacts on residents and local businesses are minimised.

Jason Julius - Waterloo Station Project Manager



Jason has over 17 years of experience working in construction and delivering major projects across NSW and Australia. This includes the M5 tunnel, Gerringong Gerroa Wastewater Treatment Plant, Cessnock Wastewater Treatment Plant and the Mackay Water Recycling Plant.

'What we're building is the future of public transport in Sydney. There's nothing like it in Australia and I'm excited to be involved in building part of it, and eventually seeing it in action.'

Robert Muir - Waterloo Senior Environment Coordinator



Robert has worked in environmental management for 14 years including four years as an environmental protection officer with councils in Sydney. He has also worked on the rollout of the NBN and the Lucas Heights landfill.

'I will be working closely with the local community to make sure construction teams manage any impacts on the environment and community and comply with legislation.'

Faye Rescigno - Community and Stakeholder Manager, South



Faye joins the team with an extensive background in community relations and stakeholder engagement. She has worked on projects in NSW, Melbourne and South Australia, including Sydney Metro Northwest, the Chatswood Transport Interchange and Lane Cove Tunnel projects.

'When completed, Sydney Metro City & Southwest has a lot to offer local communities. I'm looking forward to meeting our neighbours during the construction of this project.'

Community Connect Session

The coffee is on us...

Residents and businesses are encouraged to drop in for a coffee or tea to ask any questions they may have about the project. Come and meet the JHCPBG team and learn about the work we will be doing at the Waterloo Station site. Our team will be happy to answer your questions.



Where: Waterloo Station site office, corner of Wellington Street and Botany Road, Waterloo.

When: Saturday 28 October.

Time: 9am - 11am (drop in anytime).

Construction work hours

Works at the Waterloo Station site will generally take place during normal construction hours between 7am and 6pm Monday to Friday and 8am to 1pm on Saturdays.

Night time works will sometimes be needed for safety reasons, to meet authority requirements or reduce traffic impacts. Residents and businesses will be notified in advance of any out-of-hours works. The TBM tunnelling works will be a 24-hour, seven days a week operation.

Waterloo social housing estate

If you have any questions about the redevelopment of the Waterloo social housing estate please go to www.communitiesplus.com.au/waterloo or contact Waterloo Connect at Shop 2/95 Wellington Street in Waterloo, Monday to Friday 10am-4pm. You can email WaterlooConnect@facs.nsw.gov.au or call **1800 738 718**.

Want to stay up to date?

Register today for community email updates at tunnels@transport.nsw.gov.au

Contact us

For more information, enquiries or complaints please contact us at:

 **1800 171 386** 24-hour community information line

 tunnels@transport.nsw.gov.au

 sydnymetro.info

 www.facebook.com/SydneyMetro

 **Sydney Metro** PO Box K659, Haymarket NSW 1240

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