



Building demolition is now complete at the Pyrmont East site, ready for shaft excavation to start in the new year.

# Preparing for excavation at Pyrmont Station

The NSW Government is delivering Sydney Metro West – a new underground metro railway which will double rail capacity between Parramatta and the Sydney CBD, link new communities to rail services and support employment growth and housing supply.

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.

Sydney Metro has been granted planning approval to construct twin underground rail tunnels between Westmead and Hunter Street in the Sydney CBD for Sydney Metro West.

John Holland CPB Contractors Ghella Joint Venture (JCG) has been awarded the contract to build the tunnels for the Sydney Metro West – Eastern Tunnelling Package (ETP).

## Pyrmont construction activities

Building demolition works are now complete at Pyrmont, while site establishment works are continuing in December 2023. Site establishment includes installing monitoring equipment above and below ground to measure the impact of works, constructing acoustic sheds, installing hoarding around the site boundaries and conducting ground support activities to prepare for excavation of the shafts and underground caverns in 2024.

# What's happening in Pyrmont

## Acoustic sheds

Acoustic sheds will be constructed at the Pyrmont East and West sites in early 2024. These sheds are used to minimise noise and dust impacts from tunnelling operations.

Each shed will be between 15 and 20 metres high and are designed to fit in with the local landscape. Both sheds are temporary structures and will be removed after tunnelling activities are complete.



An example of an acoustic shed at our Hunter Street East site.

## Shaft excavation

Two shafts will be excavated as part of the construction for Pyrmont Station. Shafts involve vertical excavation to create an opening in the ground. Ground support will be installed to reinforce the walls at the top of the shaft before excavation starts. Piling is part of the ground support works to strengthen the area around the shafts.

At Pyrmont East, the shaft will be approximately 35 metres deep, with an estimated 151,000 tonnes of excavated material to be removed. At Pyrmont West,

the shaft will be approximately 32 metres deep, which equates to about 108,000 tonnes of excavated material to be removed.

Shaft excavation at both Pyrmont sites will start in 2024 and continue throughout the year.



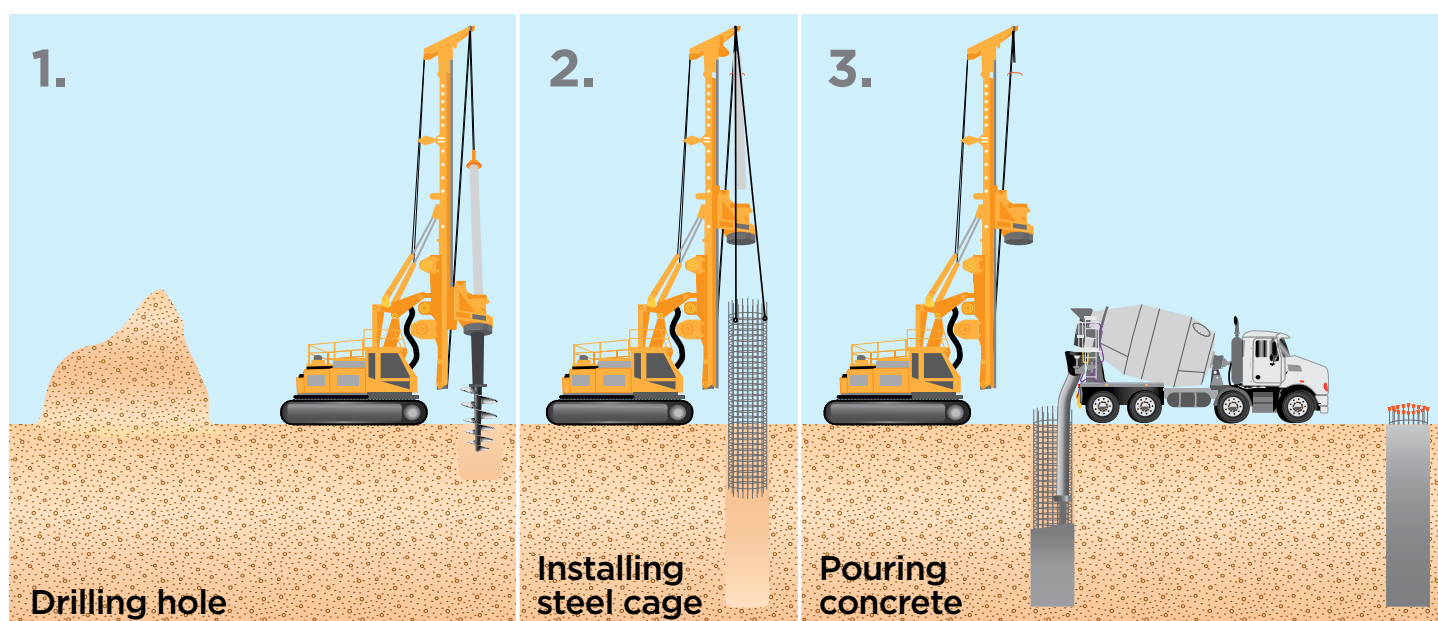
Roadheaders will be used to excavate the caverns for Pyrmont Station.

## Cavern excavation

A station cavern which is around 168 metres long and a crossover cavern which is around 148 metres long, will be excavated in Pyrmont in 2024.

Three roadheaders will work underground to excavate the caverns and connecting tunnels. As the ground is excavated, support will be installed to secure the ground surrounding the caverns.

Following cavern excavation, two tunnel boring machines travelling from The Bays will tunnel into Pyrmont, moving through the caverns before starting their tunnelling journey towards Hunter Street Station in the Sydney CBD.



Piling sequence.



# Managing impacts

JCG is committed to reducing construction impacts on the environment and the local community. This includes minimising the effects of dust and noise.

## Dust

On site dust mitigation measures at Pymont East and West include:

- water cannons and gurneys, which work to suppress dust on site
- covering loaded trucks
- installing hoarding around the site perimeter
- using grids and wash areas to clean truck tyres
- utilising street sweepers to collect waste around site
- constructing acoustic sheds to contain dust.



Water cannons in action.

## Noise and vibration

On site, we reduce the impacts of noise using noise blankets, acoustic sheds and hoarding.

Other measures in place include:

- adjusting work hours for high noise work, ensuring this starts no earlier than 8am
- implementing respite hours to provide a break from noisy activity
- using quieter machinery or alternative ways of working where possible.



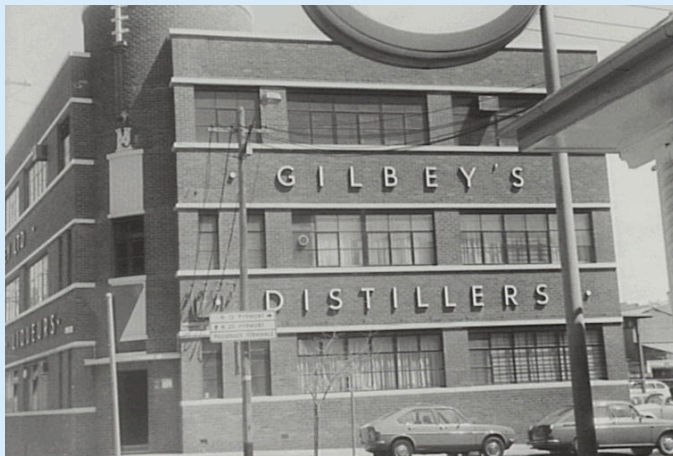
Hoarding around the Pymont East site perimeter.

# Heritage highlights

Part of the structural demolition of the Pymont West site involved preserving an important piece of local history. The dragon and castle emblem was carefully removed from the building on the corner of Pymont Bridge Road and Pymont Street, which was originally Gilbey's Gin Distillery.

In February 1945, the property was transferred to W & A Gilbey Limited and in January 1967, the property was

transferred to Gilbey's Australia Proprietary Limited, a significant international gin distillery, established by Walter and Alfred Gilbey in 1857 in Camden Town, England. Their company expanded throughout the nineteenth century and by the 1920s, it had expanded internationally, with distilleries in Australia and Canada. The distillery in Pymont was constructed in 1947 to a design by AS Nicholson and Hammond architects during a period of continued expansion.



Looking west, you can see the original Gilbey's Distillers building (Source: City of Sydney Archives – W&A Gilbey Ltd, Bridge Road Pymont, 1979).



JCG's demolition team ensured the dragon logo for Gilbey's Gin Distillery was salvaged in one piece for potential reuse at the future Pymont Station.

# Six month construction lookahead

Activity (subject to change)	Dec	Jan	Feb	Mar	Apr	May
Site establishment	●●●	●●●	●●●	●●		
Ground support	●●	●●	●●			
Tower crane installation	●●					
Acoustic shed construction		●●	●●	●●	●●	●●
Shaft excavation	●	●	●●	●●	●●	●●
Cavern excavation				●	●●	●●
Pymont East ● Pymont West ● Some out of hours works required ●						

## Our community team

JCG 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 understanding the local community to ensure that impacts on residents and local businesses are minimised.

Please contact the JCG community team on **1800 612 173** if you have any questions or would like to provide feedback about the ETP works at Pymont. We will continue to keep you updated on the progress of work in your area.

### Sydney Metro Connect – a new way to stay informed

Download Sydney Metro Connect onto your smart device to stay informed about current work, project milestones and receive notifications for upcoming work in your area – all in one place. Sydney Metro Connect is available from the App Store or Google Play.

### Weekly email updates

Weekly email updates provide the latest information about upcoming work including roadheader excavation progress. If you'd like to receive these email updates, please send a request to **MetroTunnelsJCGJV@transport.nsw.gov.au** and we will add you to the distribution list.

## Work hours

Works at the Pymont Station site will generally take place during standard construction hours, Monday to Friday between 7am to 6pm and Saturdays from 8am to 6pm. Residents and businesses will be notified before any out-of-hours work occurs.

Tunnelling will occur 24 hours per day, seven days per week. Further information about potential impacts and expected durations will be provided to the community before tunnelling starts.

The Eastern Tunnelling Package team wishes you a safe and happy holiday. Pymont construction sites will be closed between Friday 22 December 2023 and Tuesday 2 January 2024 for the holiday period.



Building demolition is underway at the Pymont West site.



### Contact us

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

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sydneymetrowest@transport.nsw.gov.au  
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