



# Arden and Parkville Community Reference Group

Meeting 20

Friday 29 October 2021



# Agenda

Friday 10 September 2021



Item	Topic	Presenter
1	Welcome and introductions	Chris Lovell
2	Projectwide construction update	CYP
3	Parkville construction update	CYP
4	North Melbourne construction update	CYP
5	Creative Program update	CYP
6	Stakeholder and communications update	CYP
7	Overview of eastern and western portals	CYP
8	General feedback and items for future discussion	CYP
	Meeting close	Chris Lovell

*Presenter: Chris Lovell*

- In line with the current directions of the Chief Health Officer, there are a number of strict measures in place on site, including:
  - All workers must have at least a single dose vaccination
  - Mask wearing is compulsory, with very limited exceptions
  - QR check-ins, social distancing measures and regular compliance checks are in place
  - COVID Safety Marshalls have been appointed for each work site to provide an added level of checks, guidance and reassurance.

# Construction update – Projectwide



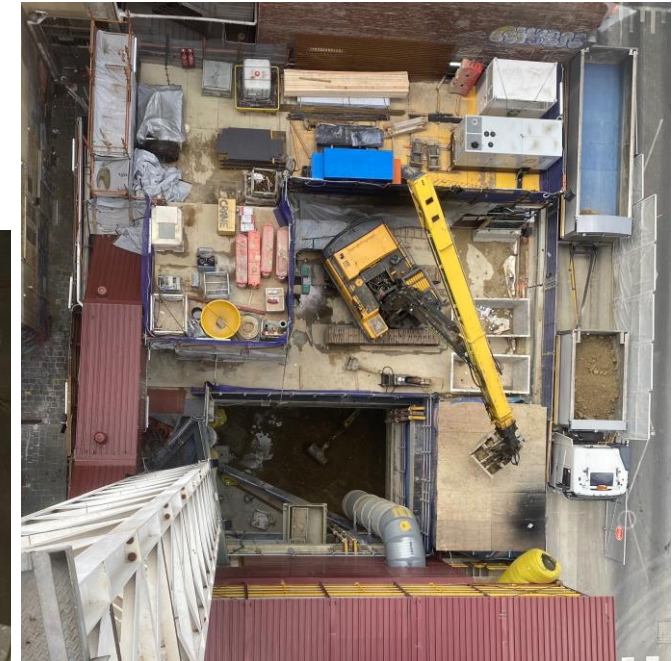
# State Library Station



- Shaft construction is continuing at the La Trobe Street site, as the team have just begun around-the-clock excavation
- At Little La Trobe Street site, the B3 slab was poured last week as excavation and FRP works continue
- Underneath Swanston Street, waterproofing and reinforcements are being continually installed along the platform rail tunnels and central cavern arch.

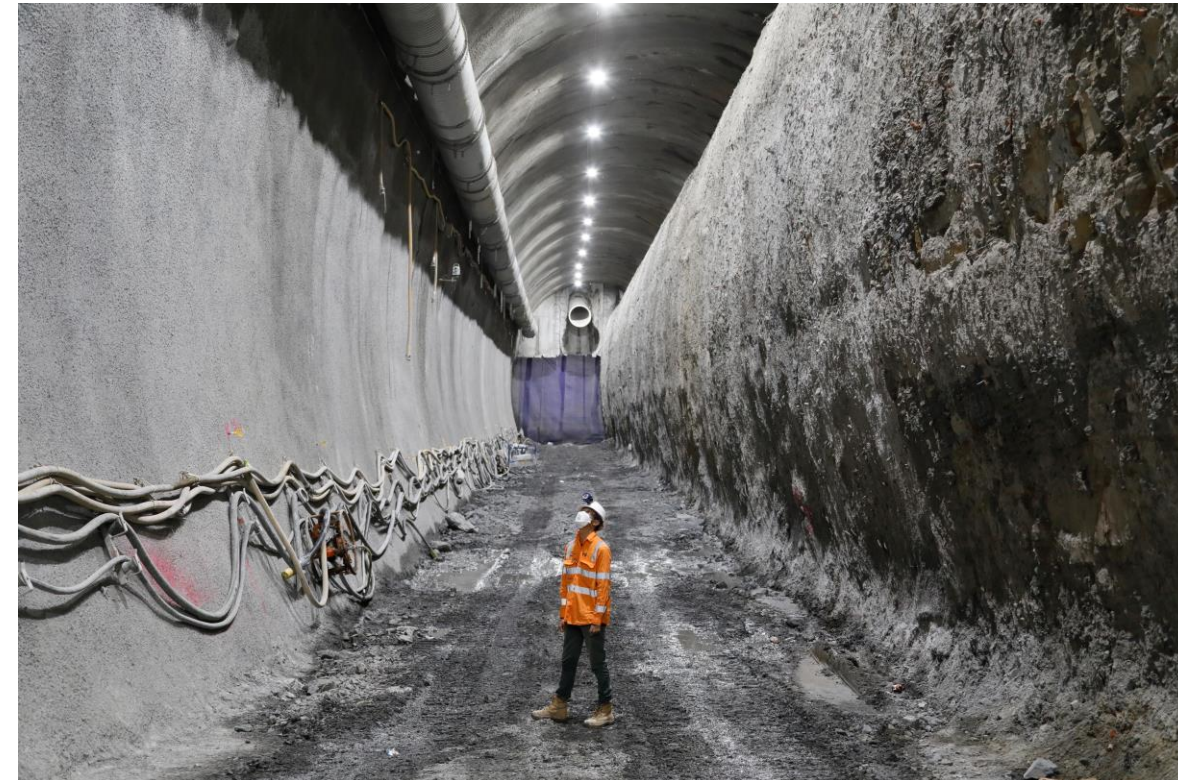


*Trinocular cavern from the La Trobe Street adit*



*The Little La Trobe Street site from above*

- Under Swanston Street, the full extent of Town Hall Station's 29m wide trinocular cavern is now visible with the completion of excavation
- The focus underground will now be on removing the 'shell' separating the central cavern and rail platform tunnel and on structures and lining works
- At the Flinders Quarter site, excavation is continuing on B3 level
- Roof slab works over the future pedestrian connection to Flinders Street Station are continuing with waterproofing underway
- At City Square, site works are underway in preparation for installation of two tower cranes. Once installed, the tower cranes will dismantle the City Square acoustic shed and support station entrance build out.



*The excavated final section of the Town Hall Station Cavern*



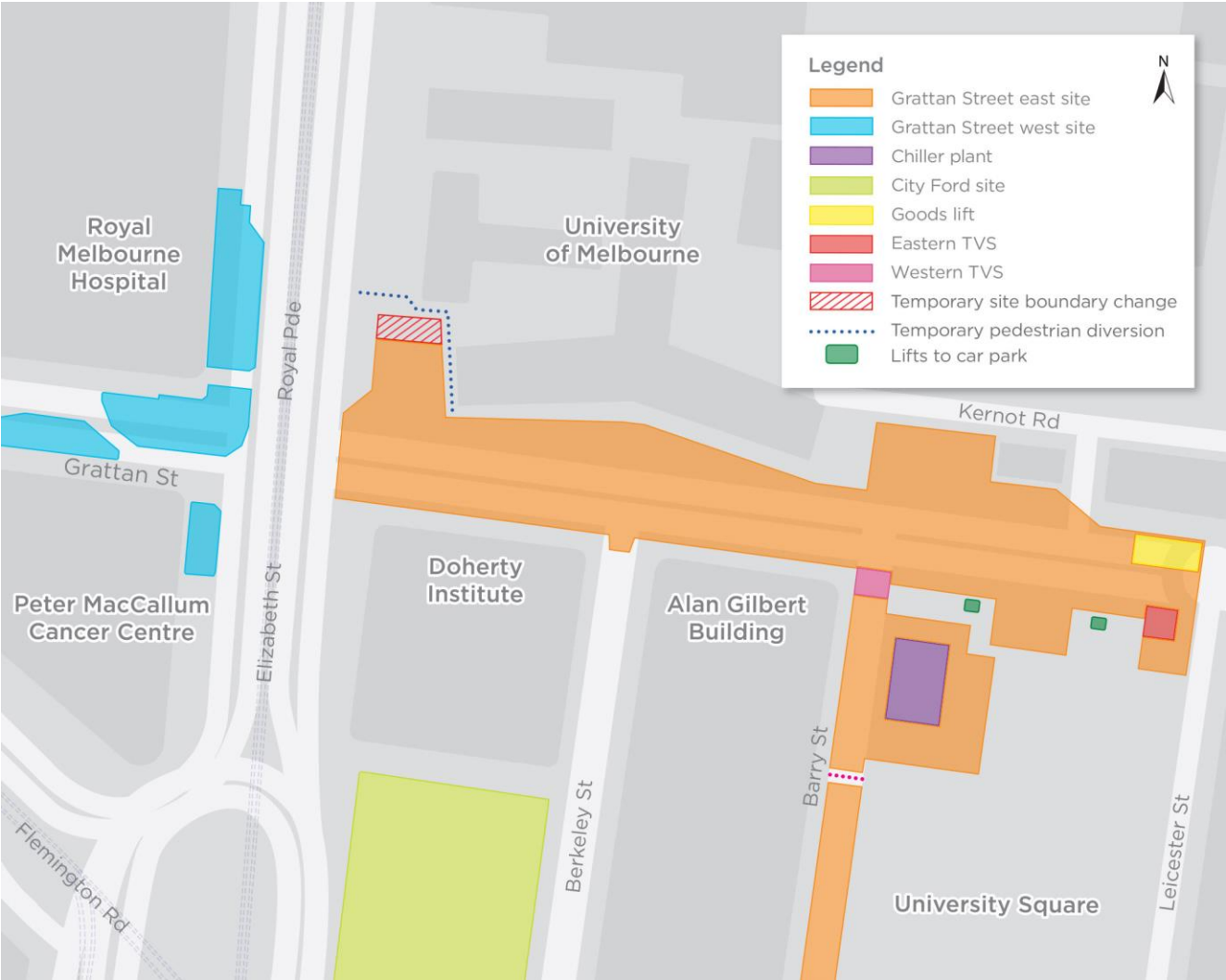
- The entire station box has now been completely excavated. Since excavation is now complete, the base slab can be finished. There are three concrete pours remaining to construct the remainder of the base slab
- D-wall demolition is ongoing on both sides of the station box, connecting the concourse level of the station to two of the three station entrances
- In the southern end of the station box, blockwork and core walls continue to be constructed. First stage painting has also begun
- In the tram interchange station entrance, the roof slab is now complete. The team has commenced waterproofing the slab before the area is backfilled.



*Anzac Station blockwork*

# Construction update – Parkville

# Parkville Precinct

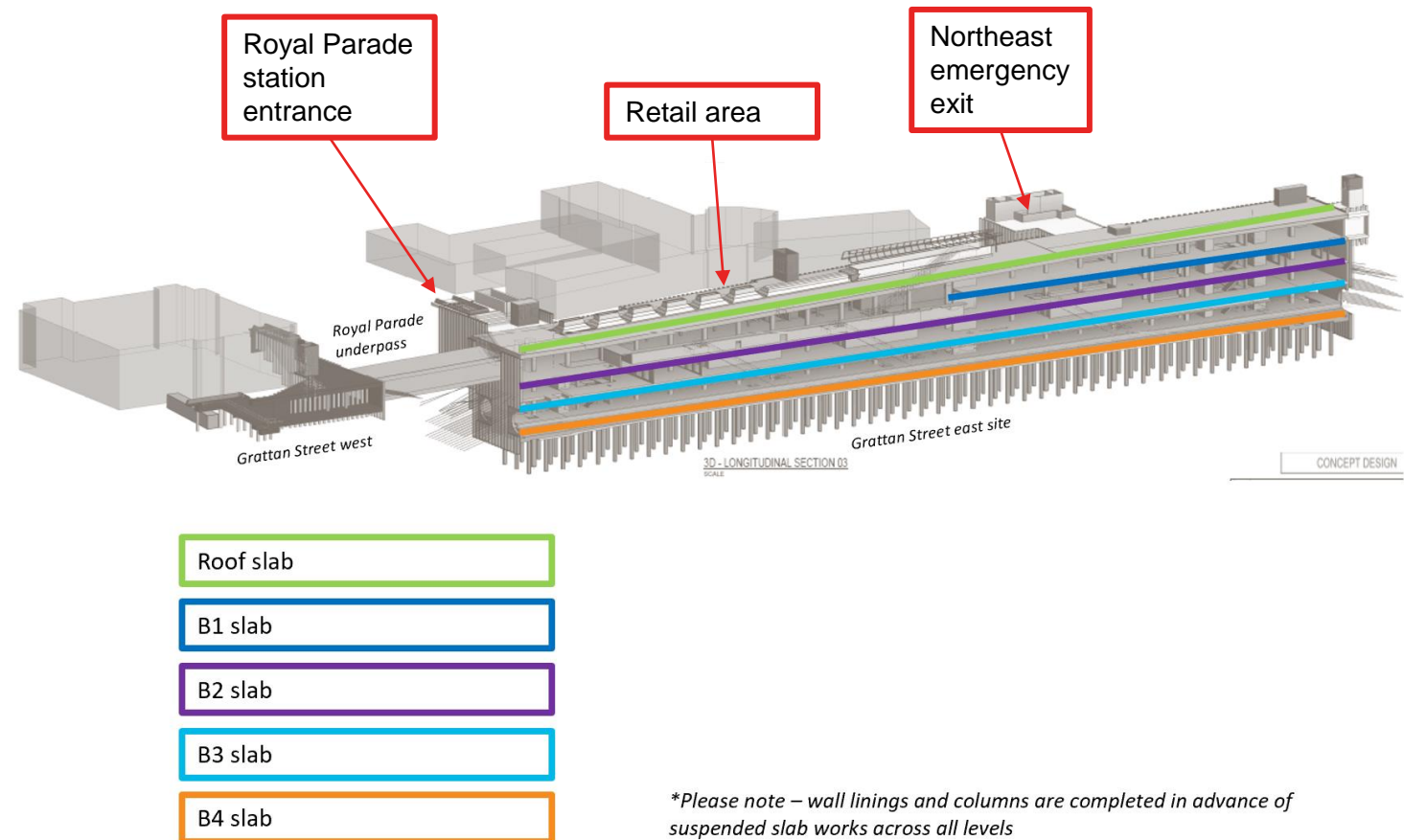


# Grattan Street east

# Station box permanent structure works



- 7 of 9 roof slab pours completed. Roof slab expected to be complete by late 2021
- B1 to roof lining walls at the east end of the station box are ongoing. This area is part of the 'TBM comeback' works
- Royal Parade entrance and retail area are now connected to the main box and are undergoing permanent structure works.







THE UNIVERSITY OF  
MELBOURNE

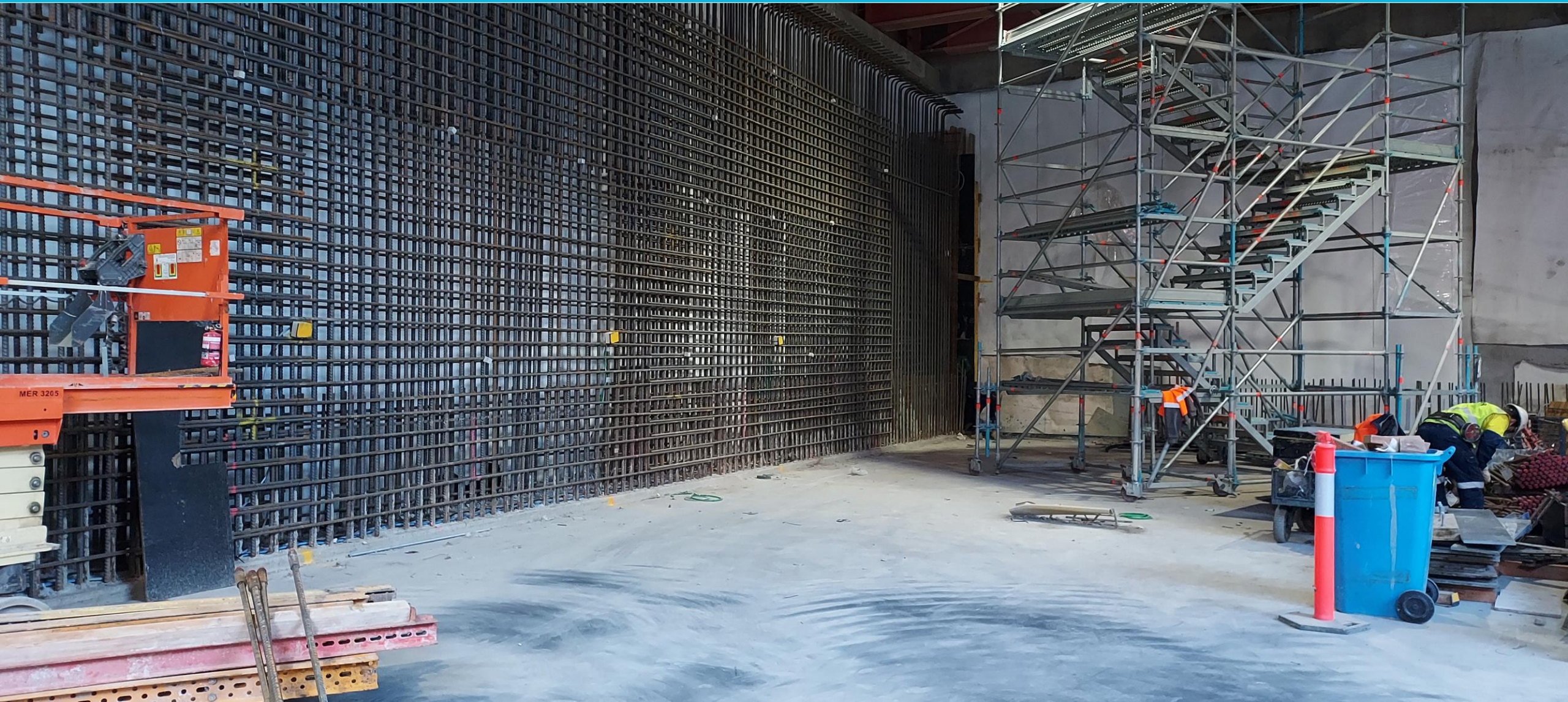


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# B1 level (east)

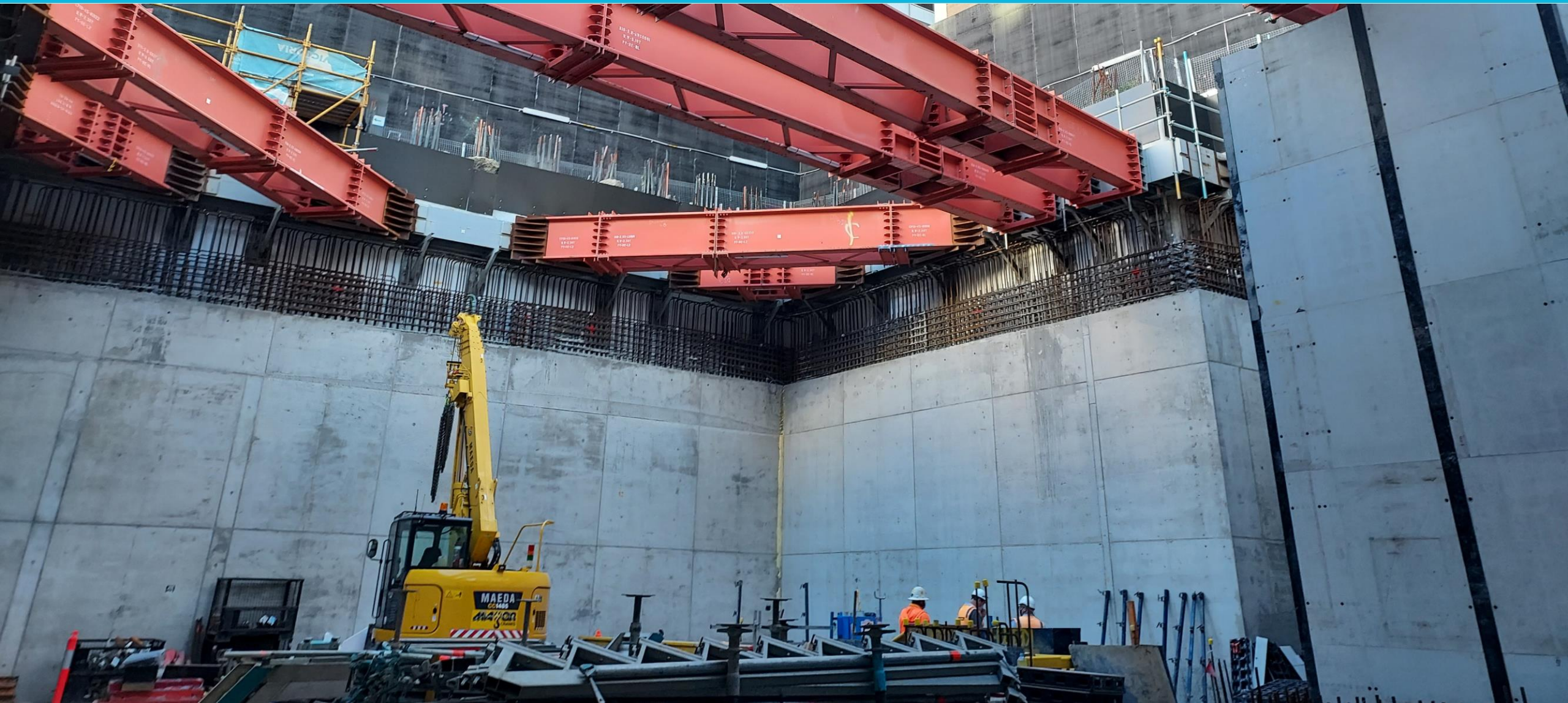
Lining wall construction





# Royal Parade entrance

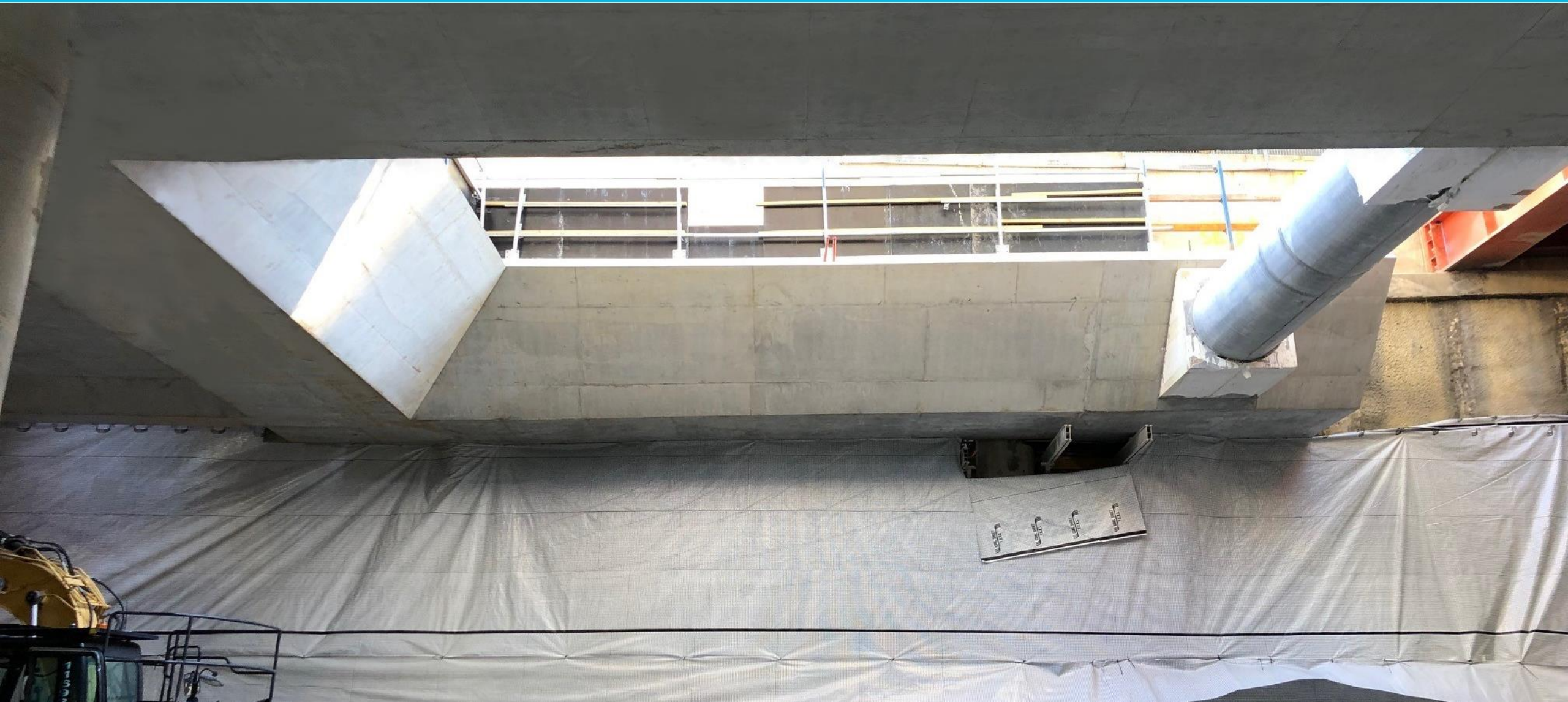
Lining wall construction





## B2 level (west)

Skylight void



## Station fit out works



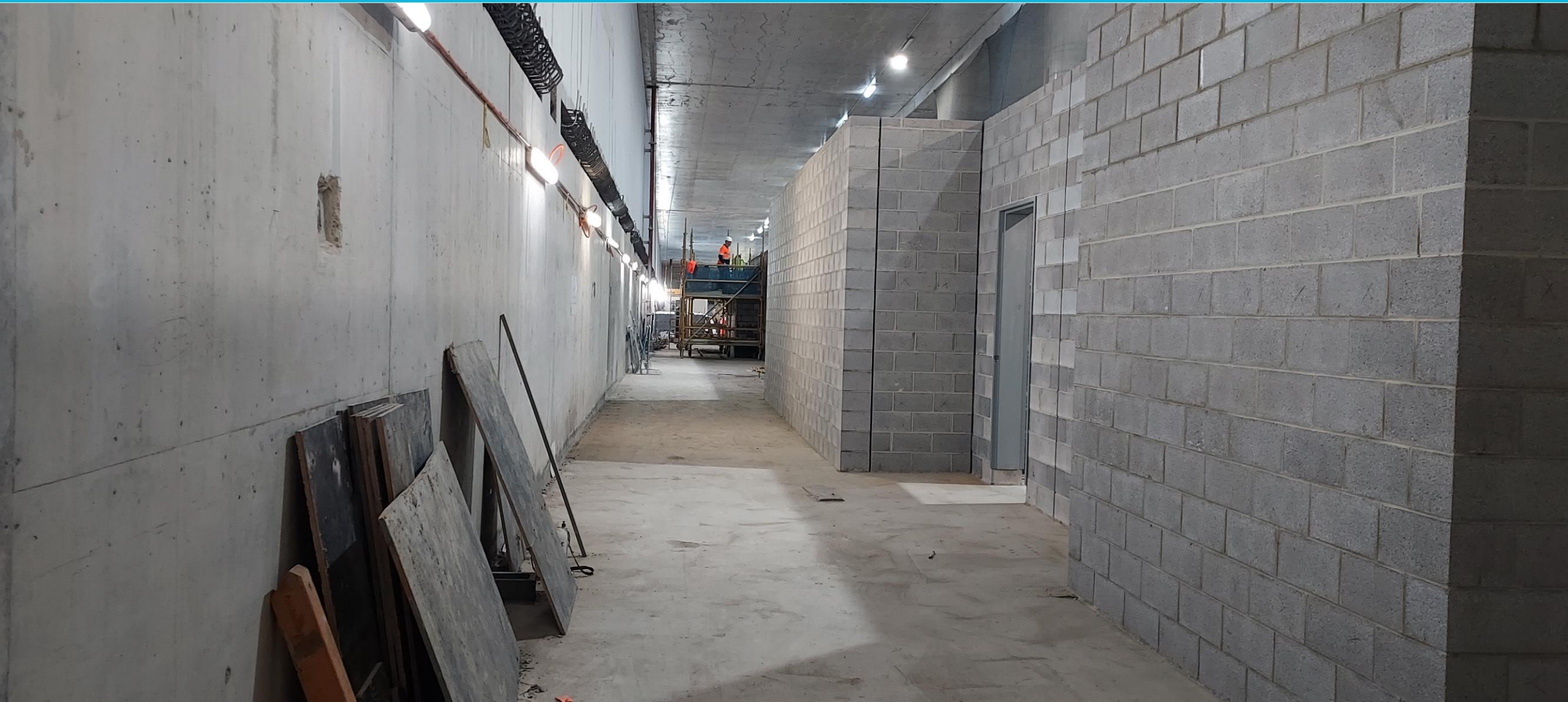
- Installation of blockwork is ongoing on B3, B2 and B1
- Mechanical, electrical and plumbing (MEP) / service installation is ongoing on B3 and B2
- Over-track exhaust (OTE) will be complete by late October on both the north and south sides
- Platform construction is ongoing on B4.





## B2 station fit-out works

Blockwork walls

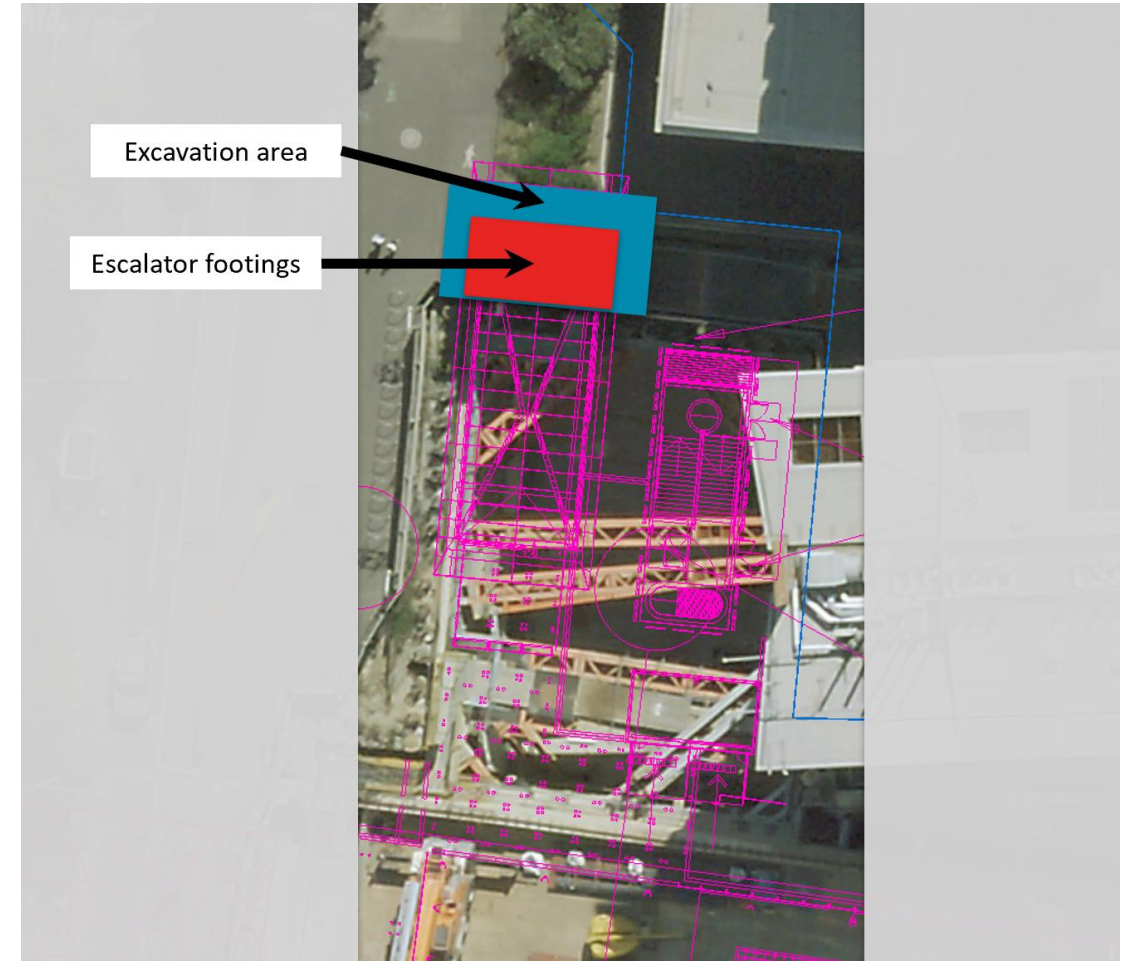


# Royal Parade station entrance

## Escalator footing construction



- Site boundary change required to facilitate construction of the escalator footing
- Pedestrian arrangements are subject to ongoing consultation with the University of Melbourne
- Following escalator footing construction, works in this area include steel installation, escalator installation, legacy utilities and landscaping. Pedestrian arrangements to be determined following consultation
- Works are expected to commence from early 2022 and take around two months to complete.





## Northeast emergency exit



- Pile removal has been completed to connect this area to the main station box
- Permanent structure works, including base slab construction, are ongoing.





## Northeast emergency exit

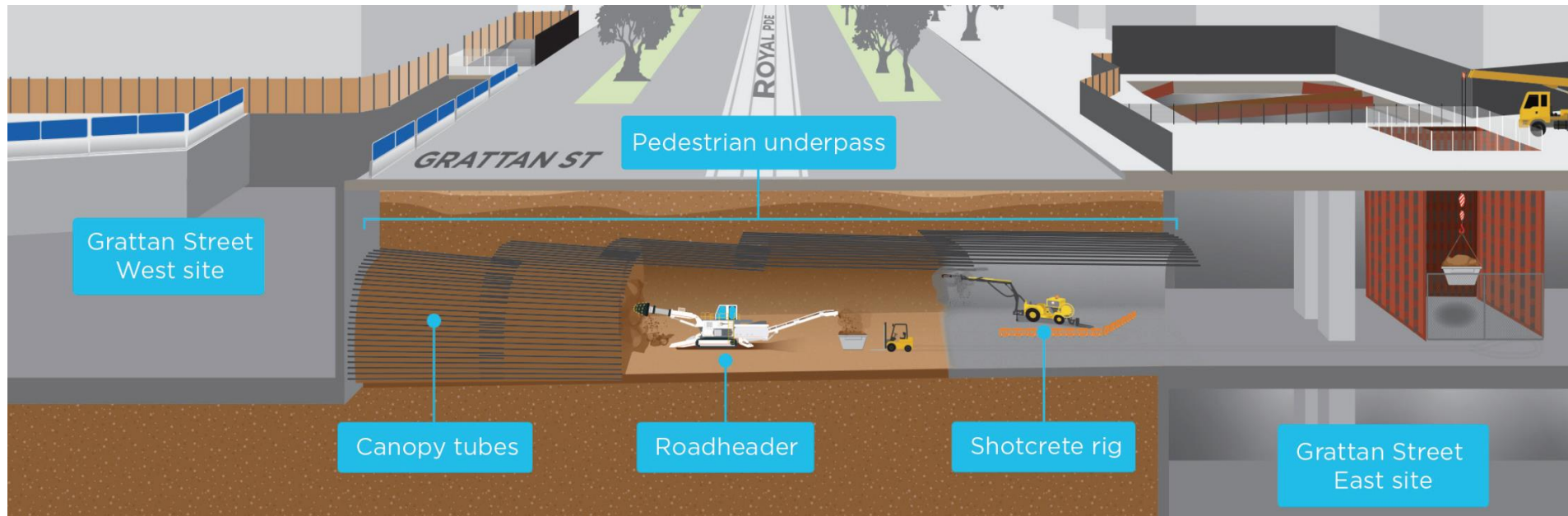




# Royal Parade underpass



- Pile removal and collar beam construction have been completed
- Canopy tube installation is commencing
- Excavation of the underpass is expected to commence in November and continue until early 2022.



# Royal Parade underpass

Pile removal works





# Royal Parade underpass

Collar beam





## East tunnel ventilation shaft



### University Square Car Park works:

- Construction of the blade column is ongoing
- Works to modify part of the University Square Car Park structure on levels B1, B5, and the plaza will commence from late October



## West TVS

- Works include installation of waterproofing membrane, formwork and reinforcement, and pouring concrete
- Works completed from the Barry Street site.



## Chiller plant

- Excavation has commenced and will continue until mid to late November
- Carbon fibre strengthening works are expected to commence in late November.





# Gantry crane removal



- The first of the three gantry cranes will be removed from early 2022
- Gantry cranes will be removed from east to west
- For each crane this involves:
  - Disconnecting motors and electrics
  - Attaching temporary braces to the gantry crane legs
  - Using a large mobile crane to lower pieces of the crane to ground level
  - Removing gantry crane legs and temporary braces (mobile crane)
  - Additional dismantling at ground level
  - Removal from site (some over-sized loads required at night).



# Six month program

Grattan Street east



Activity	Oct	Nov	Dec	Jan	Feb	Mar
Station box permanent structure works						
Station box fit out						
Royal Parade entrance						
Retail area						
Northeast emergency exit						
Staged pile removal						
East TVS						
West TVS						
Chiller plant						
Goods lift						
Royal Parade underpass						
Gantry crane removal						
Staged capping beam removal						

# Grattan Street west



# Station entrance construction



- Excavation through a void in the roof slab is ongoing until early November
- Progressive shotcreting as the excavation continues
- Once complete, permanent structure works will continue.





# Grattan Street west

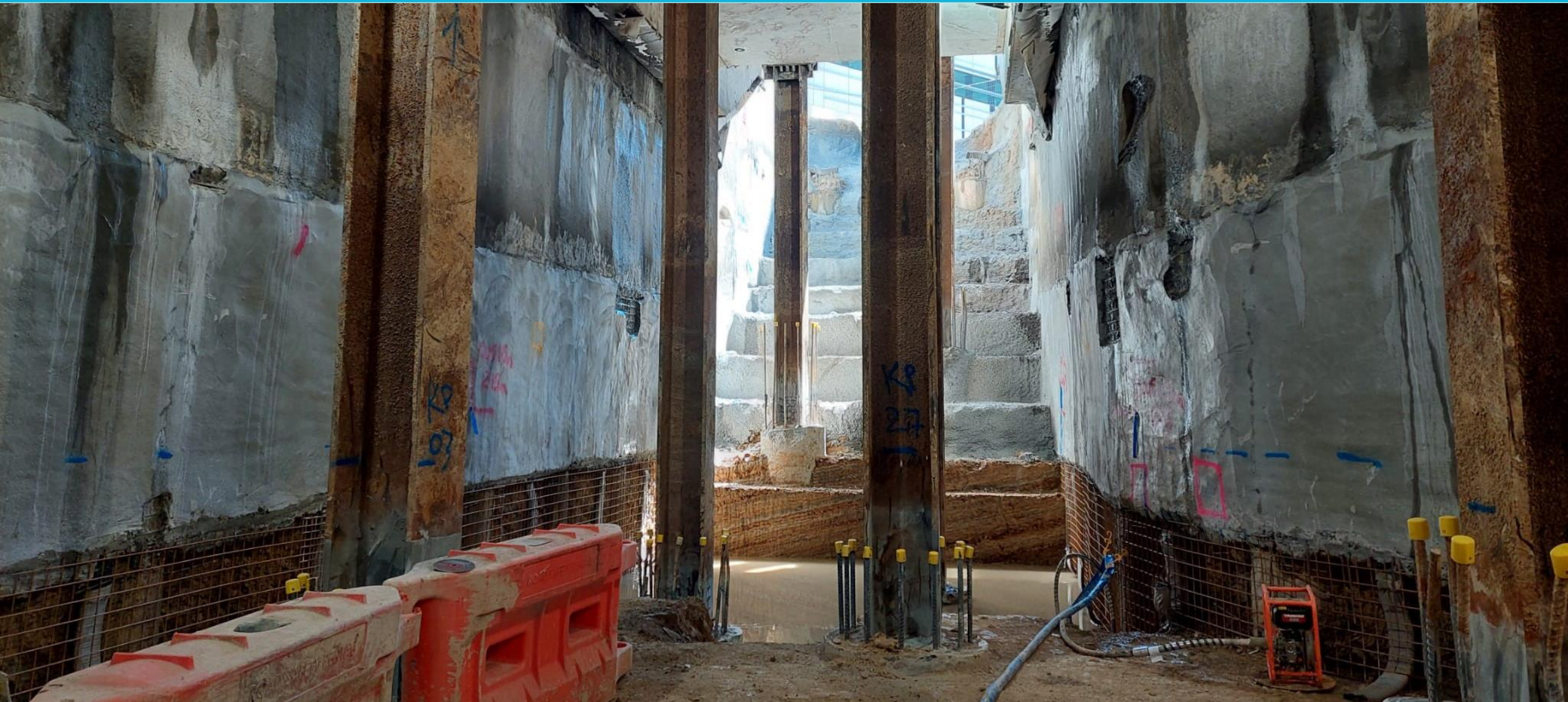
## Excavation





# Grattan Street west

## Excavation



# Six month program

Grattan Street west



Activity	Oct	Nov	Dec	Jan	Feb	Mar
Excavation						
Structure works						

# Construction update – North Melbourne



# Station construction



- Blockwork wall construction is ongoing, and painting continuing in services building
- The blockwork walls at mezzanine and concourse level are complete
- Mechanical, Electrical and Plumbing rough in and fit out underway
- Internal wall linings for comms equipment room (CER) being installed.



*Blockwork installation ongoing*

# Station entrance construction



- Station entrance arches are now being installed
- 22 of a total of 45 segments of the arches have already been installed
- Installation of the arches will continue until the end of November
- Each arch is made up of three curved segments, which are craned and set into position



*Station entrance arches being installed*

*Presenter: Stef Calati*

# Basement internal structure construction



- Over track exhaust (OTE) precast installation is complete
- Approximately 80% of the platform has been constructed in the east building, with works ongoing
- Blockwork on the western end of the platform continues.



*Platform installation ongoing*



- Brackets are being installed in the tunnel
- Team also preparing for the installation of steel walkways which will act as emergency egress and maintenance access in tunnels
- Tunnel invert is complete in westbound tunnel between Arden and Parkville.

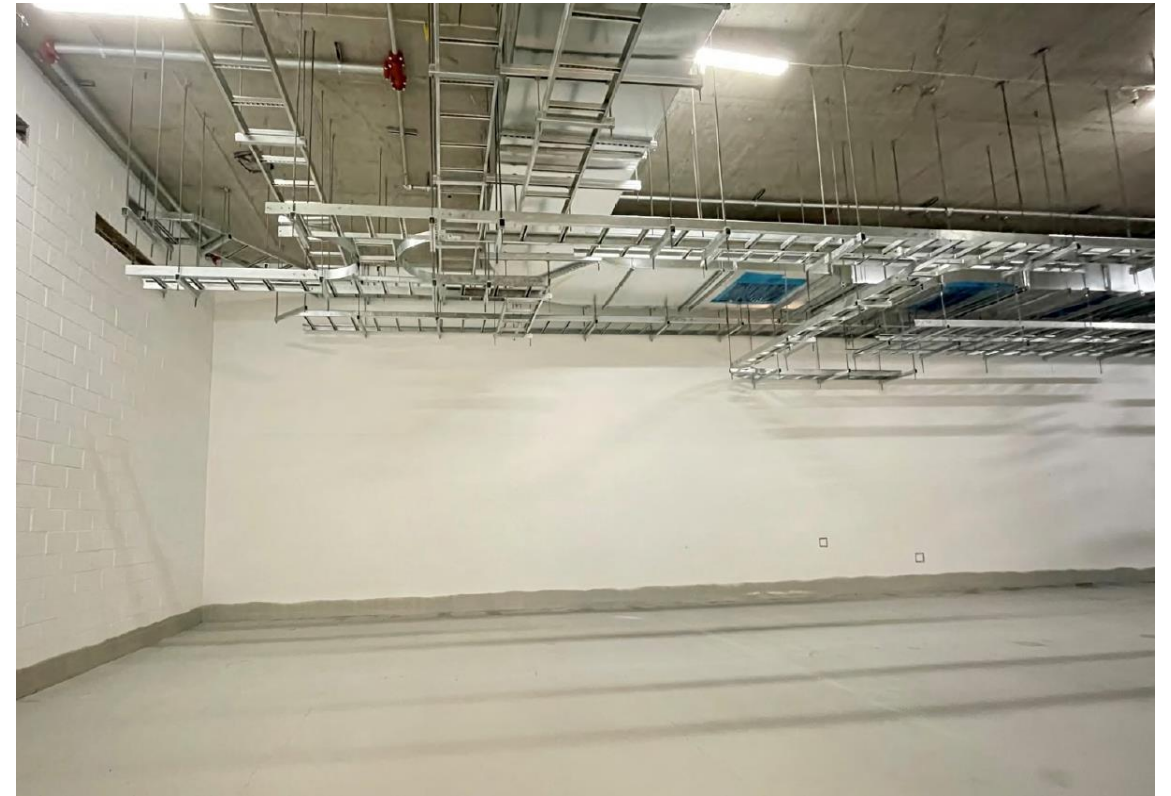


*Tunnel invert completed*

# Mechanical, Electrical, Plumbing (MEP)



- Sprinkler and hydrant bracket and pipework installation
- Gaseous suppression system pipework installation
- Mechanical pipework and ductwork installation
- Electrical cable tray and cable installation
- Hydraulic pipework installation
- Fire detection systems installation commencement
- First lift currently being installed.



*Mechanical, electrical and plumbing rough-in – service building*

# North Melbourne electrical substation



- Substation cladding and fit out/testing ongoing
- West bank underbore has been completed
- Two main undertrack pipe-jacking runs complete, with the third at 30%
- Conduit connection commenced this week
- Fire water service connection works ongoing
- An update on reinstatement will be provided at the next CRG meeting.



*Substation construction progressing*



# Six month program

North Melbourne



Activity	Oct	Nov	Dec	Jan	Feb	Mar
Utility investigation works						
Over track exhaust (OTE) and platform construction						
Services building construction						
Station entrance construction						
Mechanical, electrical and plumbing installation						
North Melbourne electrical substation construction						

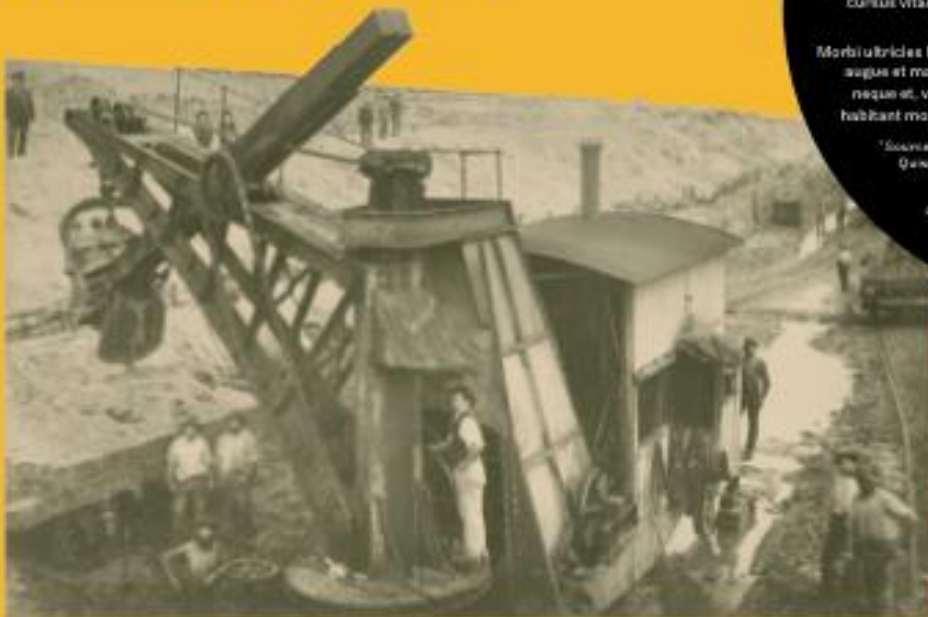
# Creative Program update



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## 1870s–1880s

### Draining of the Swamp



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SIMPLIFIED MAP  
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## 1870s–1880s

### Industrial & Residential







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## David Story

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# WE BUILT THIS CITY – POLYGLOT THEATRE + FRINGE FESTIVAL



- **DATE:** Dec 4 & 5
- **TIME:** 10am – 12pm & 2pm – 4pm
- **VENUE:** University Square
- **PARTICIPANTS:** Family friendly event – allocated tickets. 75 participants per session and 150 participants per day
- **TICKETING:** Free but ticketed
- **COVID 19 SAFE:**
  - All participants and staff over 12 must be double dosed
  - Controlled environment
  - Free masks for children
  - Hand sanitiser
  - Covid Safe plan has been supplied





# GRATTAN ST WEST - FACING RMH & VCCC



- **OCT:** Interim period – corflute signage installed
- **NOV:** **Artist brief** to be developed – will focus on importance of navigating around the sites and safety (eg ambulance entrance)
- **NOV:** Creative Program will **brief three selected design companies** from Artist Pool
- **DEC:** **Three concepts** developed
- **DEC:** Parkville stakeholders to select preferred concept
- **JAN:** (or whenever works best): Installation of new creative



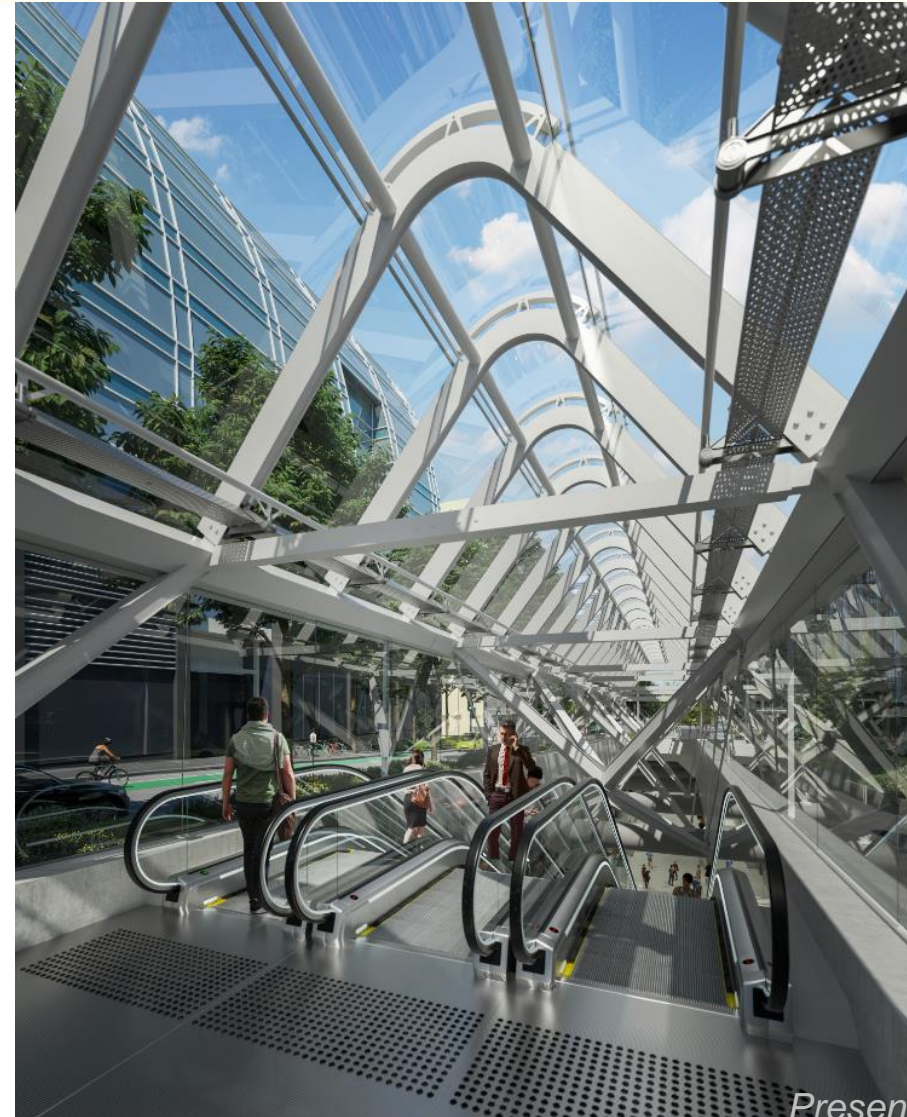
# Communications and stakeholder engagement update



- Public display period from Wednesday 22 September to Wednesday 13 October 2021
- An invitation to the online session was distributed to 3,350 stakeholders within the Project's identified Parkville Precinct notification catchment
- Additionally, 1,311 copies were distributed via the Rail Projects Victoria Parkville Precinct e-distribution list
- 11 submissions received in response to amended development plan.

# Parkville rendered images

Artist impression



Presenter: Danielle Smits



# Communications and engagement update

North Melbourne and Parkville



## **Notification and communications**

- North Melbourne: October/November construction update (6 October)
- Parkville: October/November construction update (3 October)
- Parkville: Development Plan amendment online information session invitation (5 October)
- Parkville: weekly update to key stakeholders (ongoing).

## **Door knocks, meetings, briefings and events**

- North Melbourne: fortnightly meetings with City of Melbourne
- North Melbourne: Mauri ANZ (George Weston Foods) monthly briefing (26 August and 28 October)
- Parkville: fortnightly meetings with Peter MacCallum Cancer Centre, Melbourne Health, University of Melbourne, City of Melbourne and monthly meeting with Graduate House.

# Communications and engagement update

North Melbourne and Parkville



## Community issues/enquiries and key stakeholder engagement

- Parkville: Royal Parade entrance boundary adjustment for construction of the escalator footing
- Parkville: Royal Parade underpass commencement

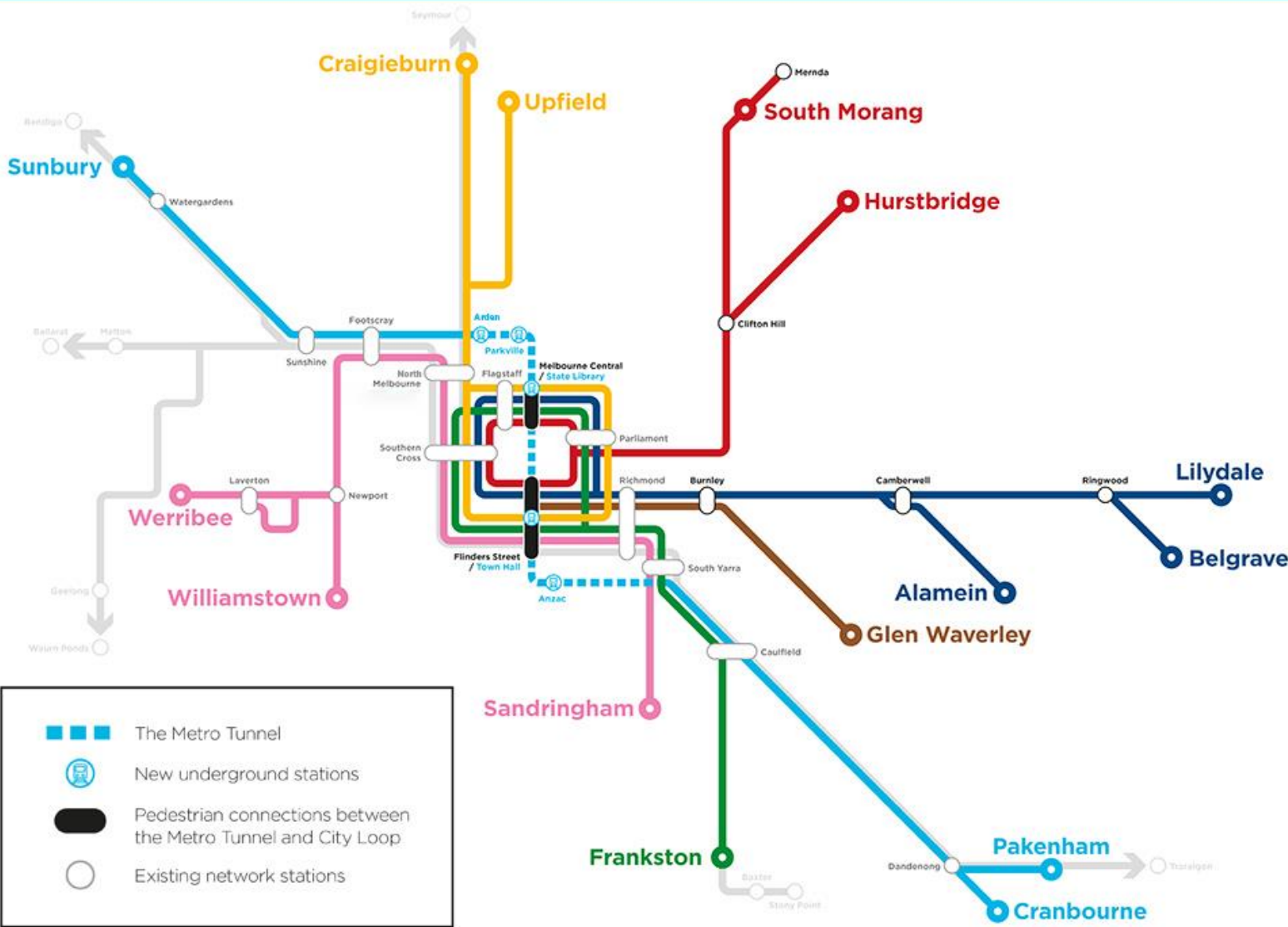
## Upcoming engagement

- Parkville: Gantry crane removal
- North Melbourne: Utility upgrade works on Laurens Street



# East and West portals

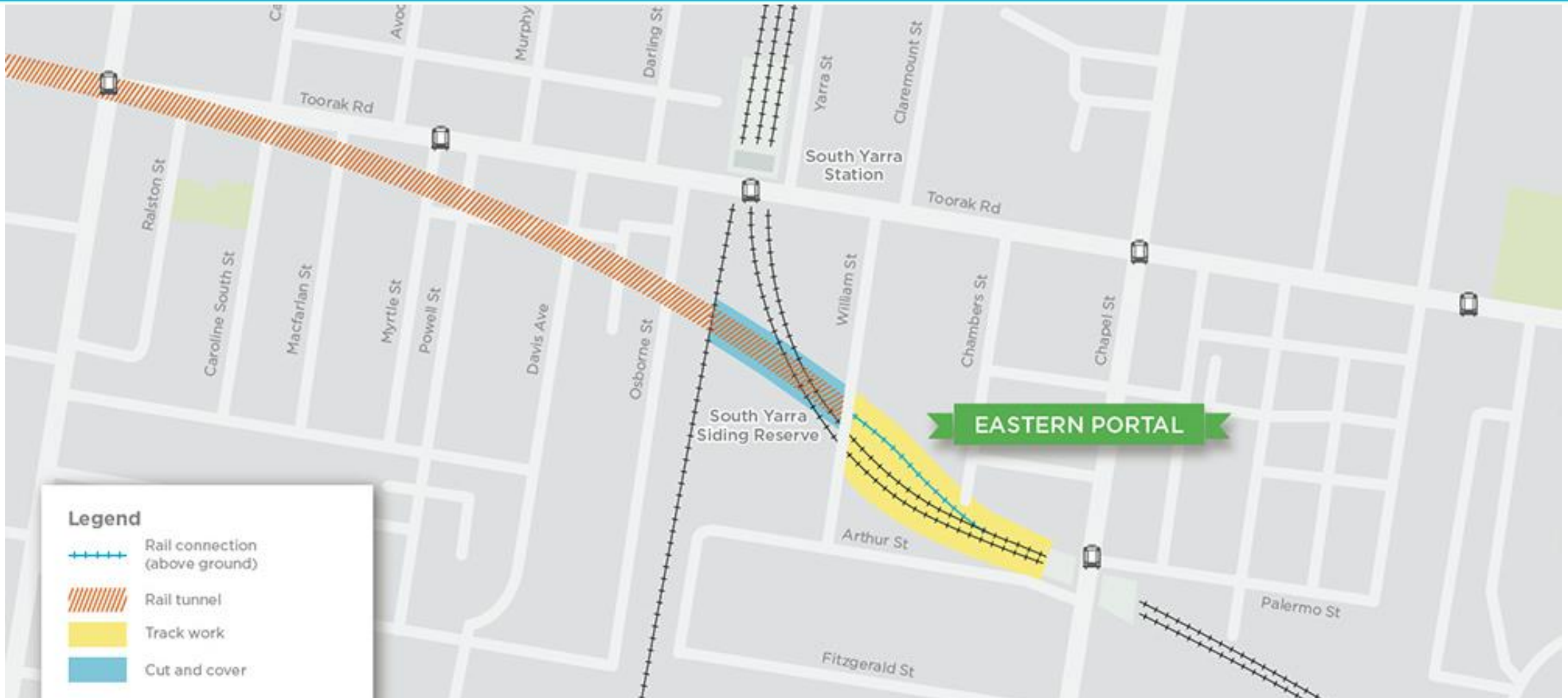
# Rail Network Master Plan





# Eastern Portal

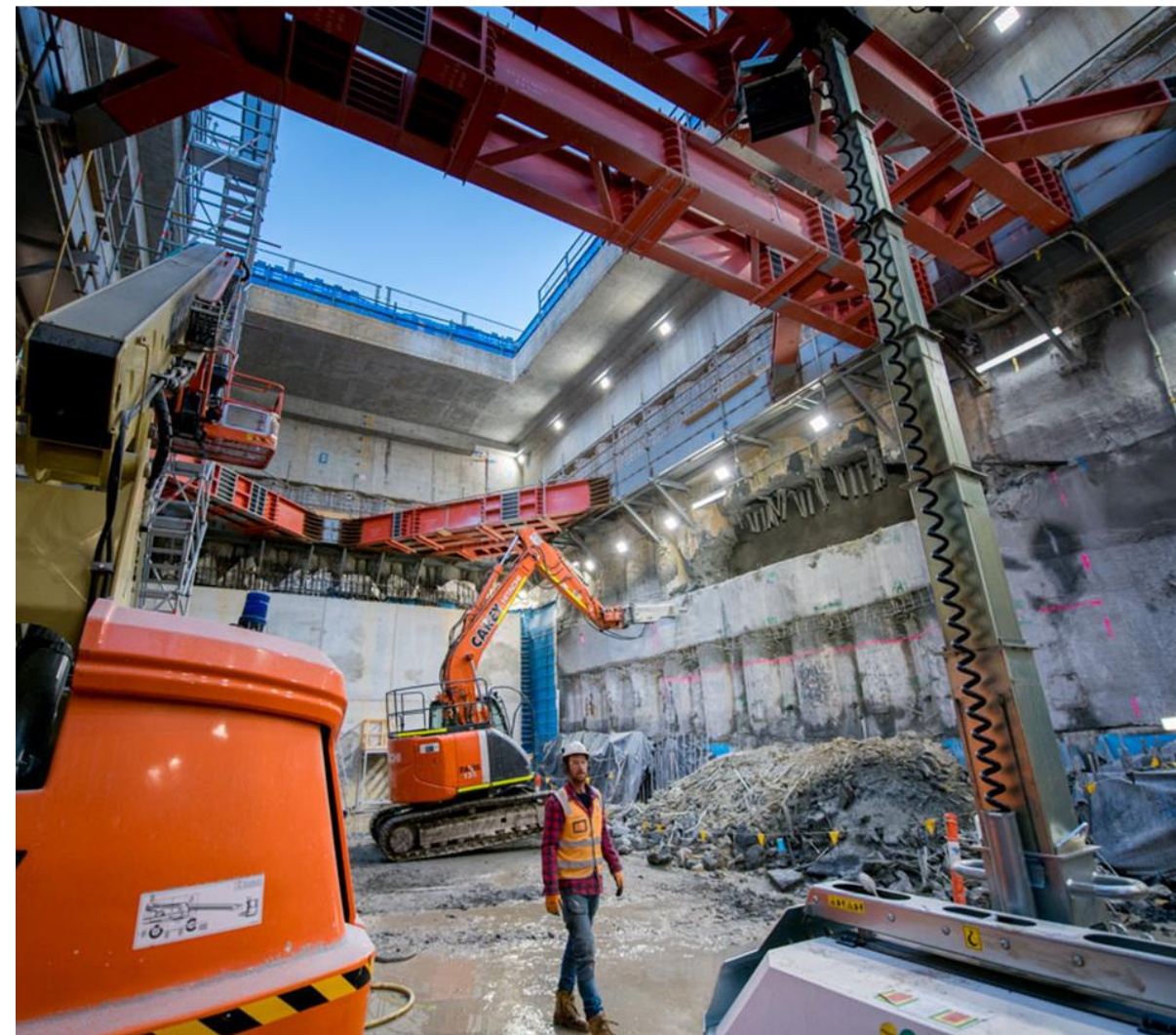
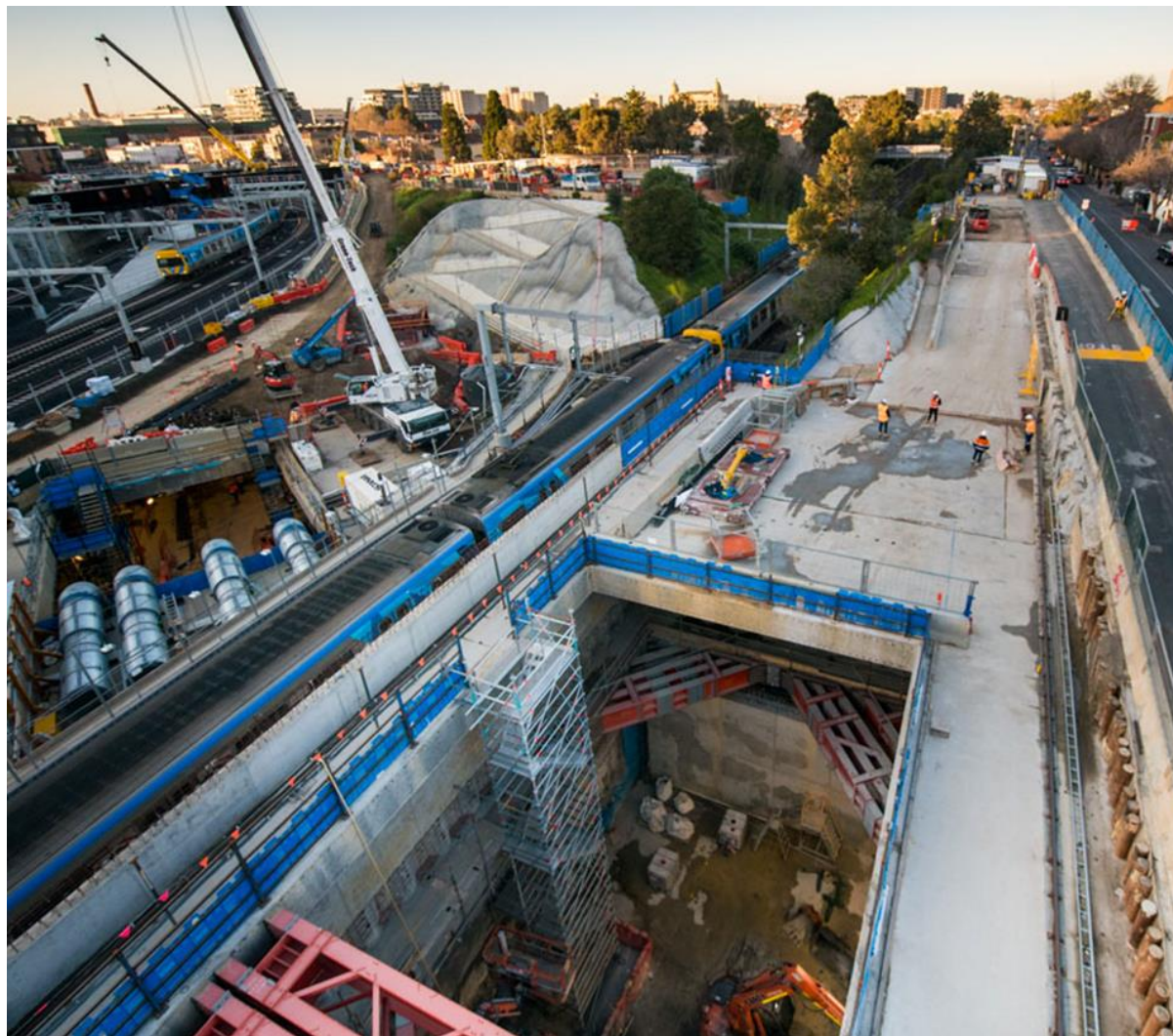
Indicative rail tunnel entrance footprint – South Yarra





# Eastern Portal

TBM retrieval shaft – June 2020

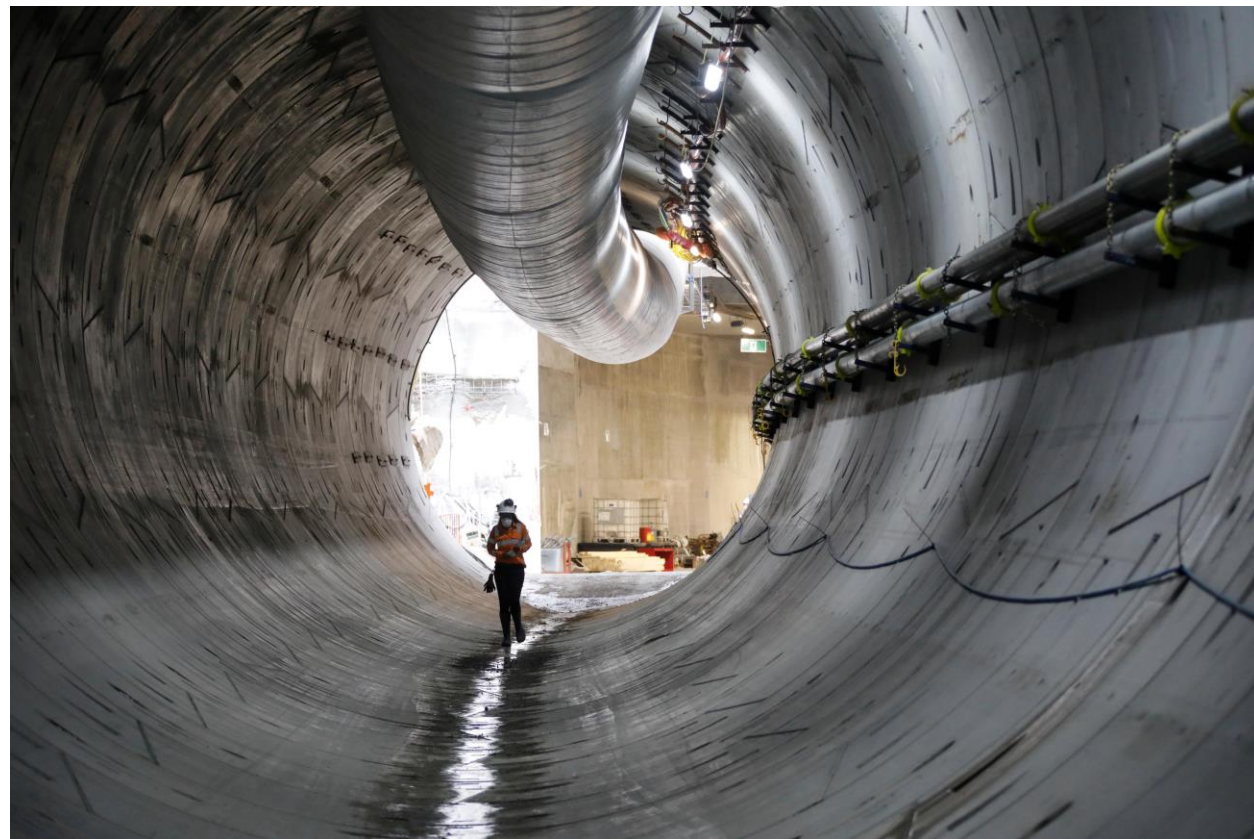


Presenter: Jordan Turner



# Eastern Portal

TBM retrieval shaft – April 2021



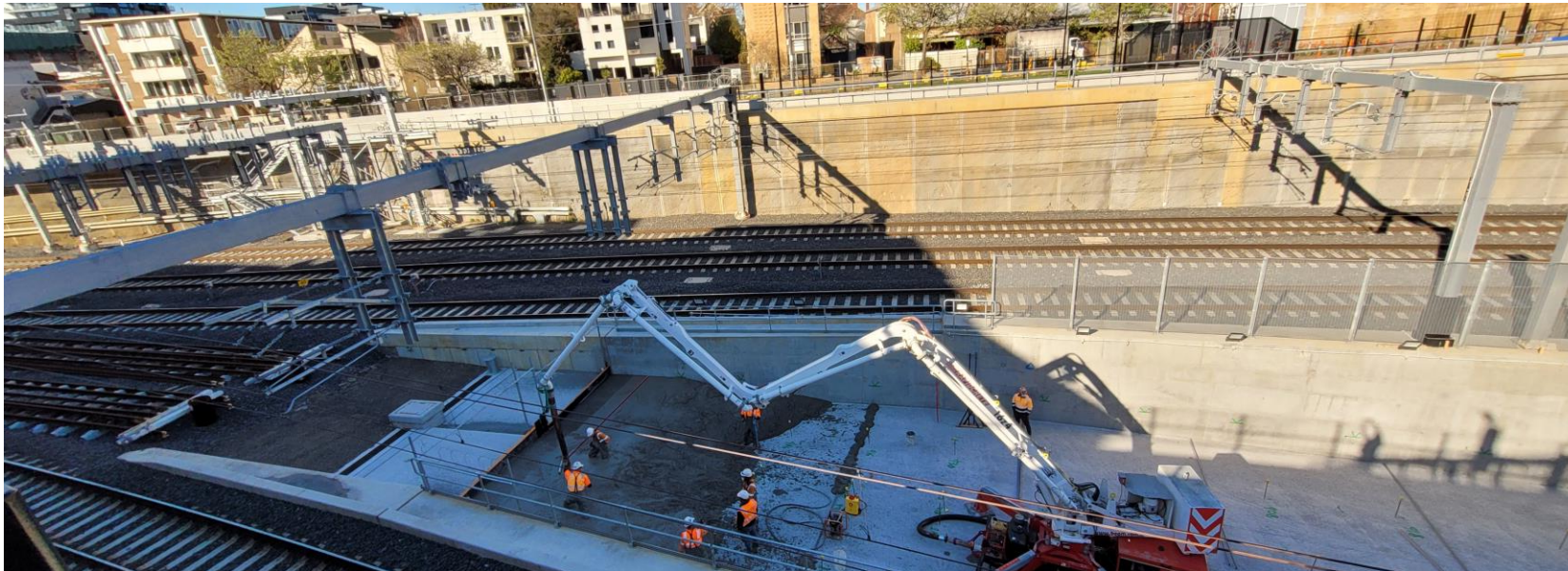


# Eastern Portal

South Yarra



- The tunnel invert between Anzac and Eastern Portal is nearing completion. The eastbound tunnel invert is complete, and the westbound tunnel is approximately 80% complete
- Early stages of rail tunnel fitout works have begun in the westbound tunnel. Cable trays and bracketry is now being installed
- In the decline structure, trackform concrete pours are underway. This will be what the rail track is eventually installed on

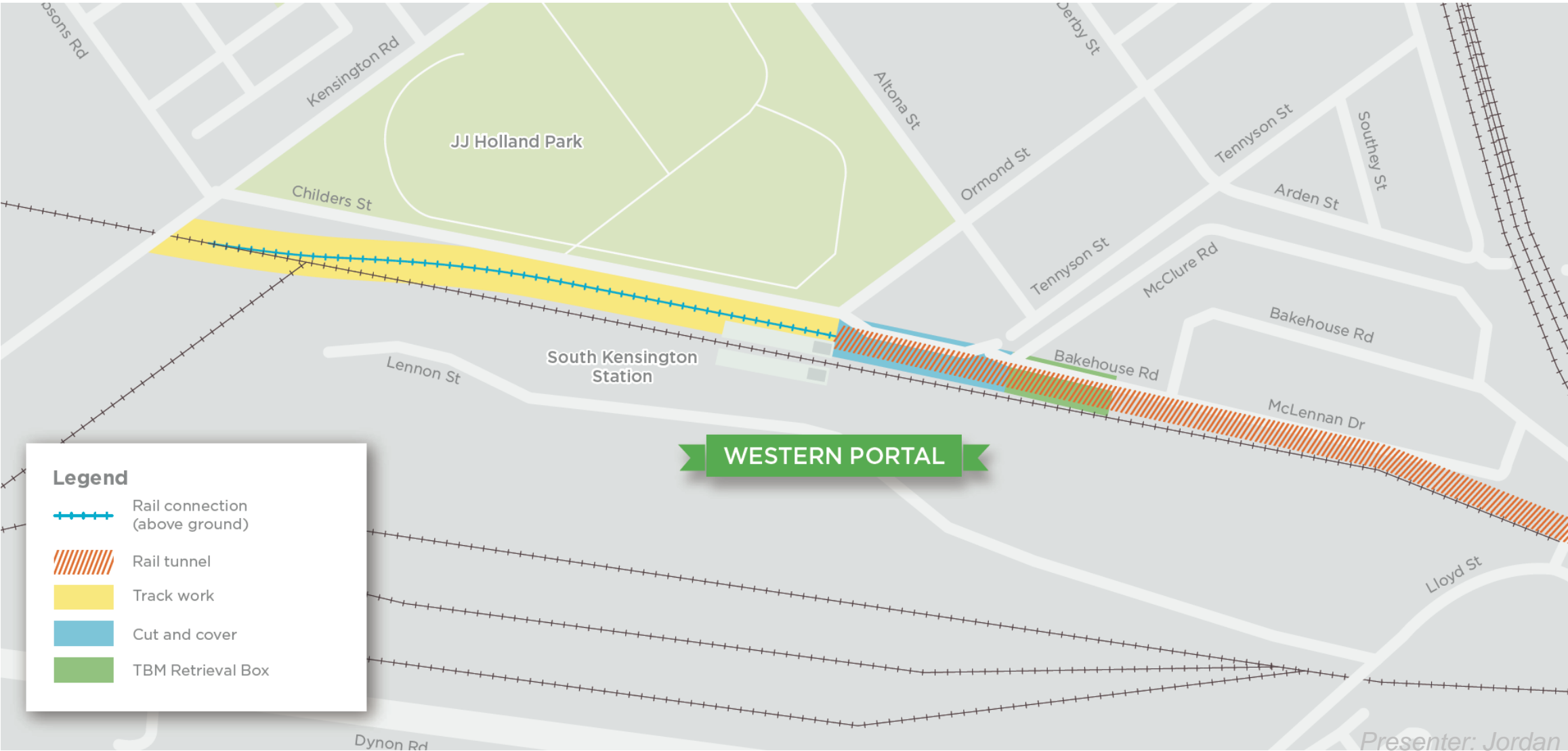


*Concrete pours in the decline structure at Eastern Portal*



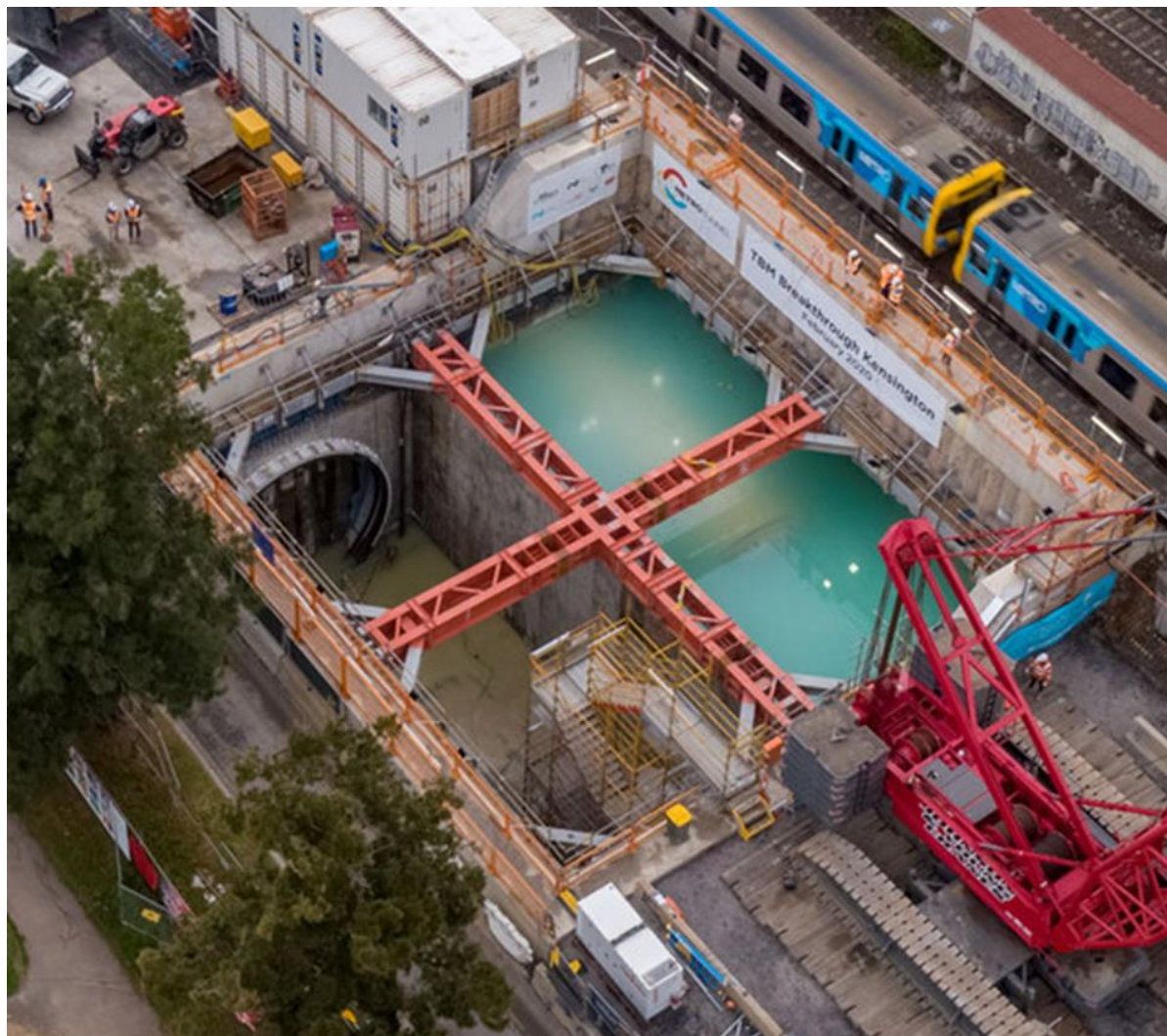
# Western Portal

Indicative rail tunnel entrance footprint - Kensington



# Western Portal

TBM breakthrough – March 2020



*Presenter: Jordan Turner*



# Western Portal

Kensington



- Work inside the egress building continues, with the last blockwork being installed, and painting ongoing
- The architectural fins on the outside of the building will begin to be installed next month
- In the decline structure, concrete pours are continuing to construct the trackform. This will eventually be what the rail track is installed on.



*Decline structure works at Western Portal*

# Other business



- Next meeting: Friday 10 December 2021 (online)