



## **CBD COMMUNITY REFERENCE GROUP** **APRIL 2019**

CROSS YARRA PARTNERSHIP



1. Town Hall Station Update
2. State Library Station Update
3. La Trobe Street service relocations
4. Environmental Update
5. Legacy Artwork Program
6. Project shutdown period: Easter & ANZAC



# TOWN HALL STATION UPDATE



## CITY SQUARE UPDATE

# CITY SQUARE – WORKS UPDATE

Activity	Location	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
Piling	Internal	—●										
Slab removal	Internal			●—●		●—●	●—●					
Deck construction	Internal		—●					●				
Acoustic shed construction	Internal			—●							●	
Excavation	Internal									—●		
Collins Street footpath	External	—●										
<i>Swanston Street footpath – TBC, pending approval</i>	External				—●							

# SEQUENCE FOR SLAB DEMOLITION AND DECK CONSTRUCTION

**Example:** Concrete slab demolition staging

## 1. Slab intact



## Legend

- City Square site
- Deck
- Basement slab
- Demolition

## 2. Deck install



## 3. Slab demo following deck install



# CITY SQUARE – OUT OF HOURS WORKS

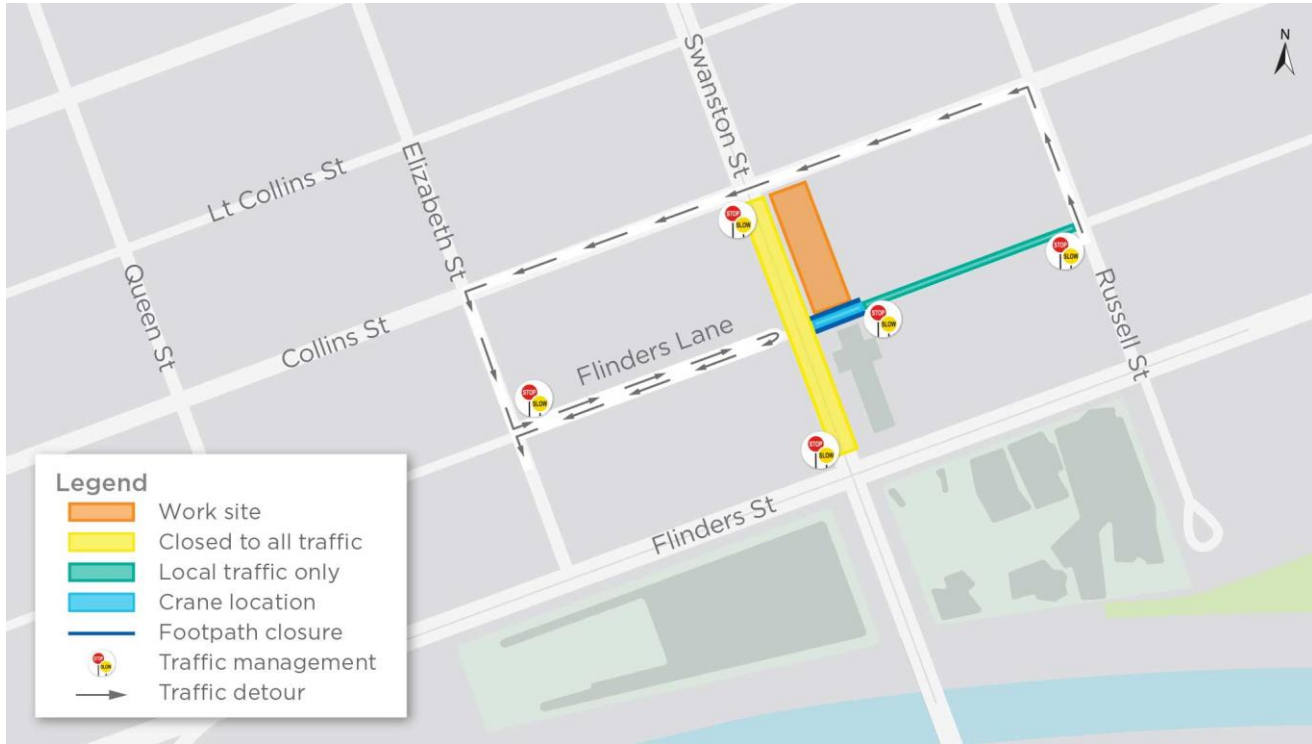
## Concrete capping beam works until 18 April 2019

- Monday to Friday, 6pm – 10pm
- Saturdays, 1pm – 6pm
- Sunday, 9am – 6pm

## Piling demobilization

- Stage 1: removal of equipment from Monday 1 to Saturday 6 April, 7pm – 7am
- Stage 2: Flinders Lane closure for piling rig removal from **7pm, Tuesday 9 April until 7am, Thursday 12 April**, involving a Flinders Lane closure
- Note: Thursday 11 April nightshift is a contingency

# STAGE 2 – PILING DEMOBILISATION TRAFFIC ARRANGEMENT





# CITY SQUARE: ACOUSTIC SHED RENDERS



# CITY SQUARE: ACOUSTIC SHED RENDERS





**FLINDERS QUARTER UPDATE**

# FLINDERS QUARTER – WORKS UPDATE

Activity	Location	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
KFC demo	Internal	—●									
Port Phillip Arcade demo	Internal	—●									
Cocker Alley works	External		●—●								
Scott Alley works	External		●—●								
Piling – Shaft A	Internal	●—									
Excavation – Shaft A	Internal				●—						
Piling – Shaft B	Internal				●—						●
Excavation – Shaft B	Internal									●—	

## March

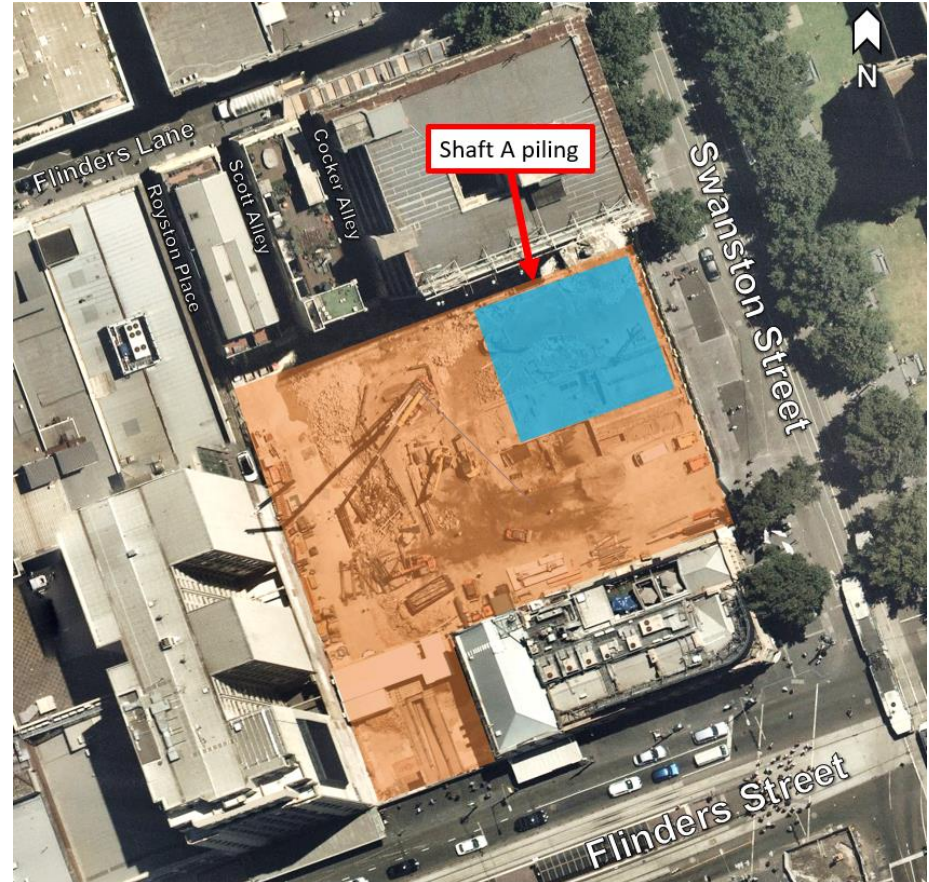
- Thursday 18 March – delivery of first piling rig
- Thursday 25 March – commencement of Shaft A - 56 piles to install

## April

- delivery of second piling rig

## May - October

- Shaft B piling – 180 piles to install



# THE FIRST PILE



# FLINDERS QUARTER – OUT OF HOURS WORKS

**Preparatory works:** (e.g. platform construction, material delivery and removal, concrete pours) until May 2019:

- Monday to Friday, 6pm – 10pm
- Saturdays, 1pm – 4pm

**Deliveries:**

- Cage deliveries, April 2019: Monday to Saturday, 5am to 6:30am
- Piling rig delivery, late April for one night: 1am – 5am



## FEDERATION SQUARE UPDATE



# FEDERATION SQUARE WORKS UPDATE

Activity	Location	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Piling	Internal		●—————●								
Deck construction	Internal					●—————●					
Acoustic shed construction	Internal						●—————●				
Excavation	Internal					●—●				●—————	


First 8 metres

# FEDERATION SQUARE – OUT OF HOURS WORK

- **24/7:** demolition, excavation, strutting, well installation, crane lifts, equipment deliveries
- **Deliveries** – Flinders Street westbound lane closures between Russell Street and Swanston Street
  - Sunday to Thursdays, 10pm – 5am (intermittent closures)

## Groundwater well installation:

- Out of hours works may be required to minimise disruption to traffic

**Permanent connection works:** connection involves scanning the area, saw-cutting, digging, and excavation for 2-3 weeks

- 7am to 6pm, Monday to Friday

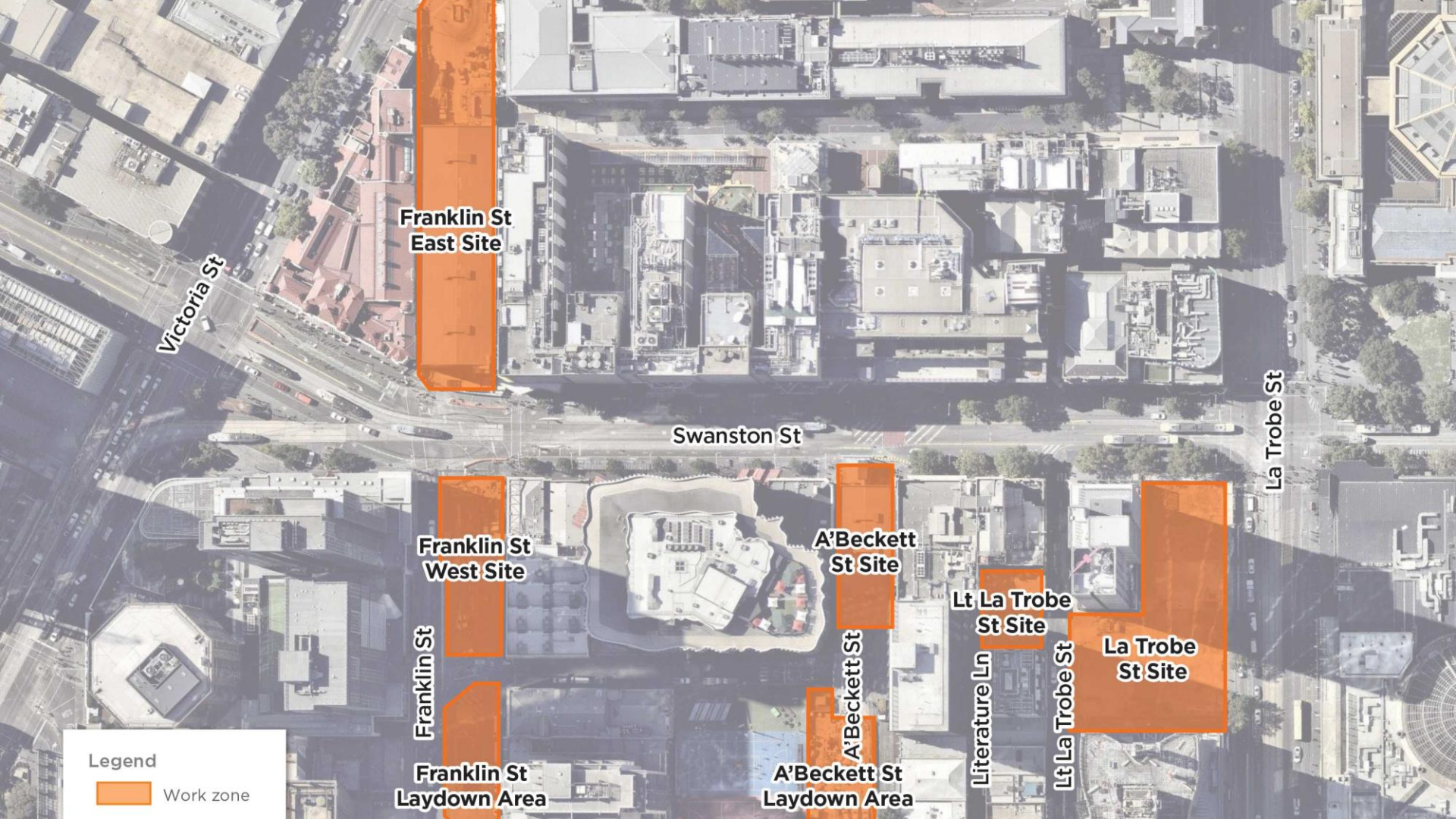
**Ground monitoring equipment installation:** instruments will measure ground movement during tunnelling and excavation activities

- 9pm to 5am, ongoing to June 2019





# STATE LIBRARY STATION UPDATE



**Franklin St  
East Site**

**Franklin St  
West Site**

**A'Beckett  
St Site**

**La Trobe  
St Site**

**Franklin St  
Laydown Area**

**A'Beckett St  
Laydown Area**

*Victoria St*

Swanston St

*La Trobe St*

*Franklin St*

*A'Beckett St*

*Lt La Trobe  
St Site*

*Literature Ln*

*Lt La Trobe St*

Legend

 Work zone



**EXCAVATION UPDATE**

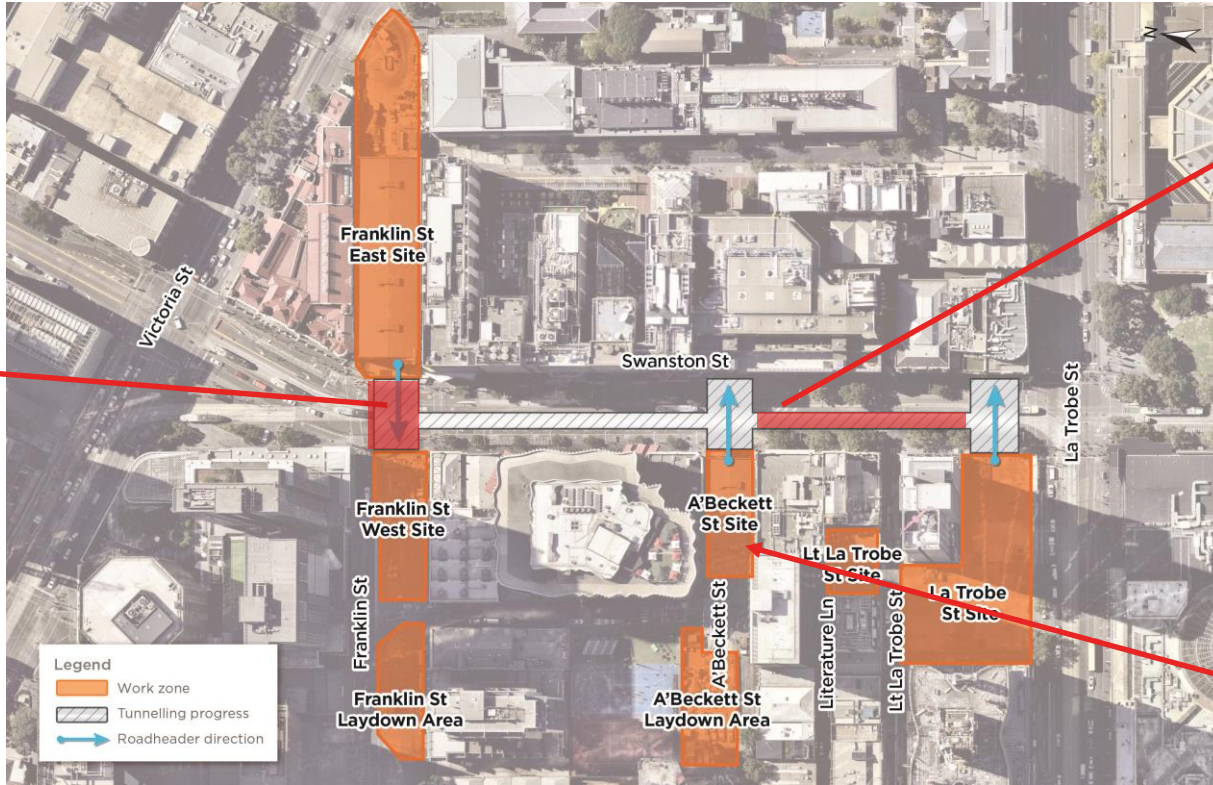
# EXCAVATION UPDATE



Louise is heading west across Swanston Street.



Jane has started cavern excavation



Additional roadheader to be delivered mid-April



## FRANKLIN STREET WEST UPDATE



# FRANKLIN ST WEST – WORKS UPDATE

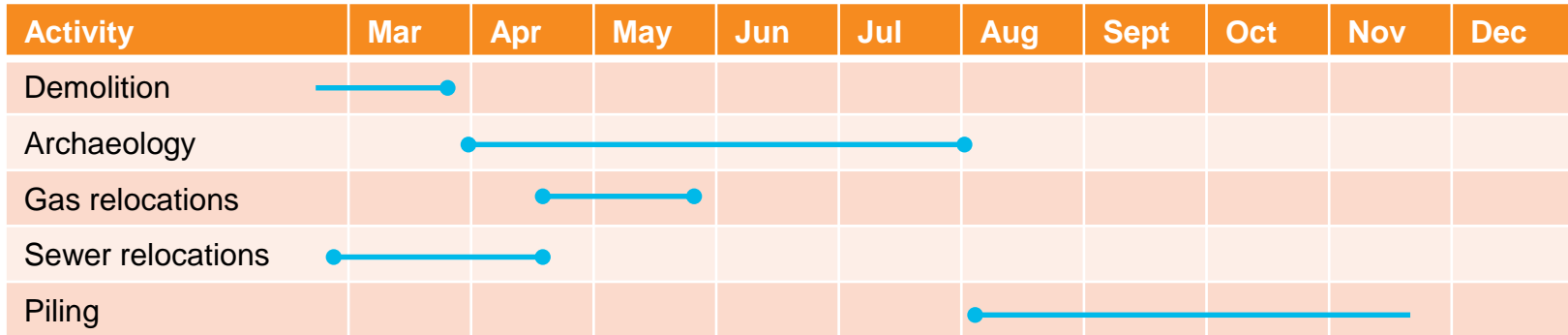
Activity	Location	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
Piling	Site	—●										
Capping beam	Site		—●				●					
Deck construction	Site			—●				●				
Acoustic shed construction	Site							—●			●	
Excavation	Site		—●					●			●	—

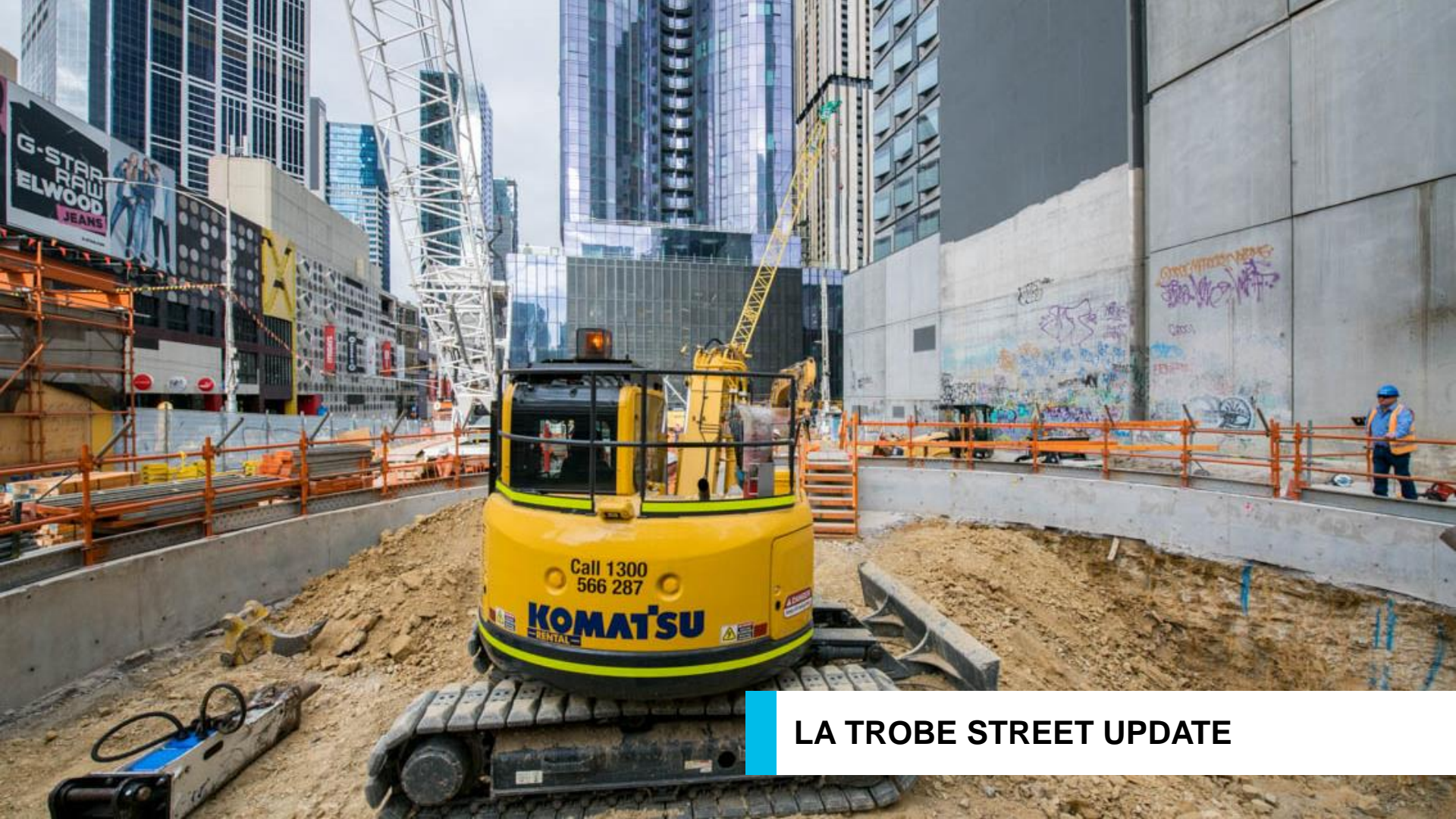
↑  
*First 4 metres and level 1 strutting*



**LITTLE LA TROBE STREET UPDATE**

# LITTLE LA TROBE STREET WORKS UPDATE





**LA TROBE STREET UPDATE**

# LA TROBE STREET SITE UPDATE

Activity	Location	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
Excavation – temporary shaft	Site	■										
Adit excavation	Site				■	■						
Perimeter piling and plunge columns	Site	■										
Ground slab construction	Site								■	■		
<i>La Trobe St service works – timing TBC</i>	La Trobe St			■	■							

# OUT OF HOURS WORKS

**A'Beckett Street** – 24 hour excavation works inside shed

**Franklin Street East** – 24 hour excavation works inside shed

## **Extended hours:**

- **Franklin Street West:** 1pm – 6pm, Saturdays (if required)
  - **La Trobe Street:** 6pm – 10pm, Monday to Friday (if required for concrete pours and shaft preparation works)
  - **Little La Trobe Street:** 3pm – 10pm, Monday to Friday until early May (sewer relocation)
- 
- Oversized plant and equipment deliveries will occur intermittently at all sites between 10pm – 7am, Monday to Friday as per relevant approvals

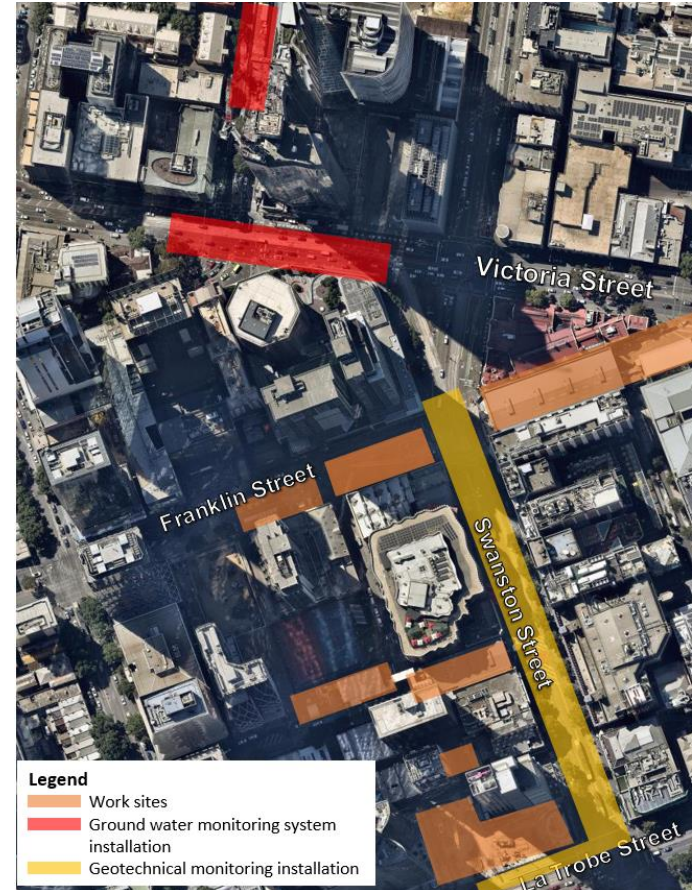
# GROUND INVESTIGATION AND MONITORING WORKS

## Ground water monitoring

- Ongoing - May 2019
- Groundwater monitoring system installation
- 7am to 5pm, Sunday 11 April to early May
- Sunday to Thursday nights only 7pm – 6am (intermittent)

## Geotechnical monitoring installation

- 1am to 5am, Sunday to Thursday, ongoing since November 2018

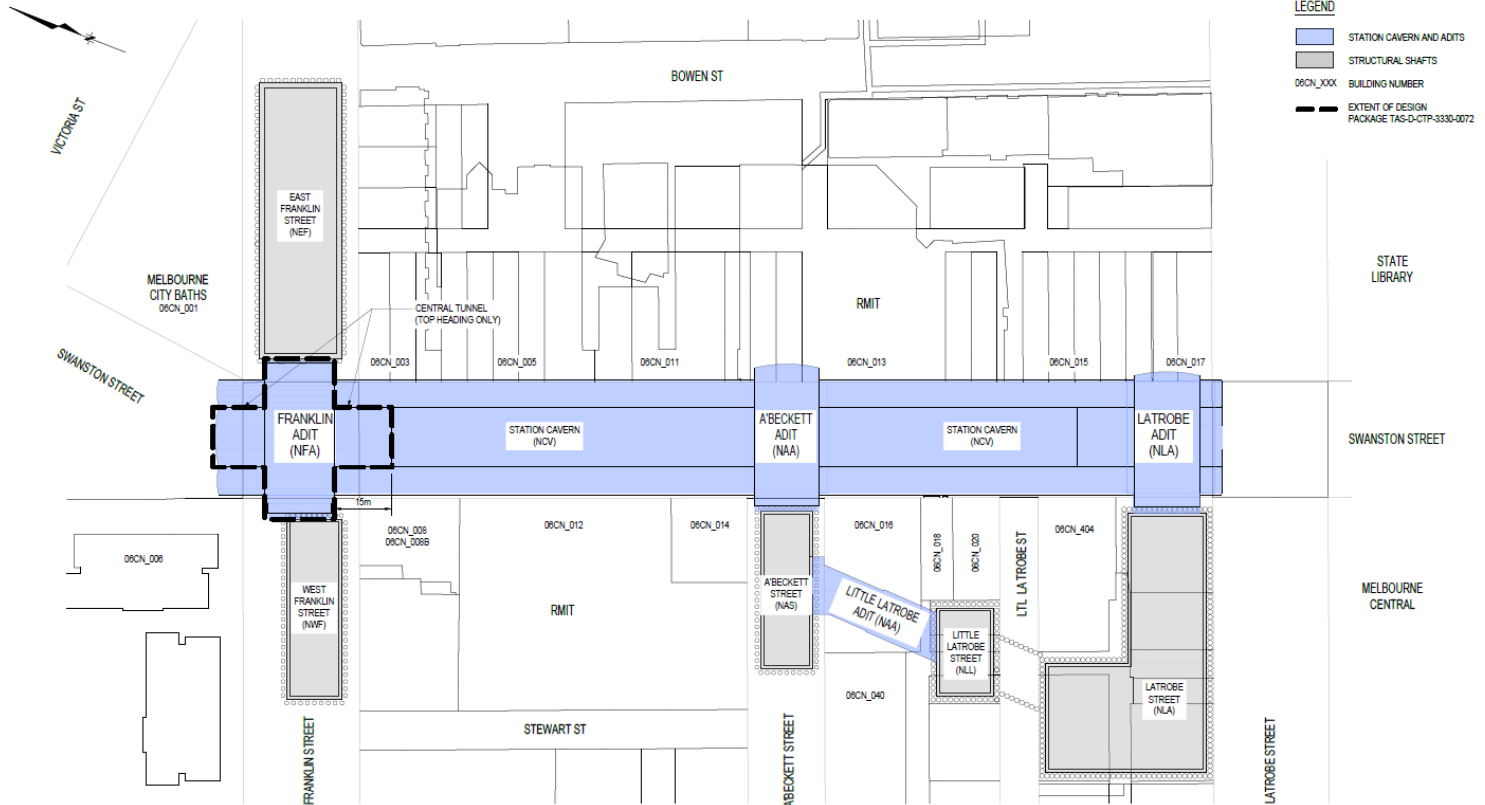




# LA TROBE STREET SERVICE RELOCATIONS

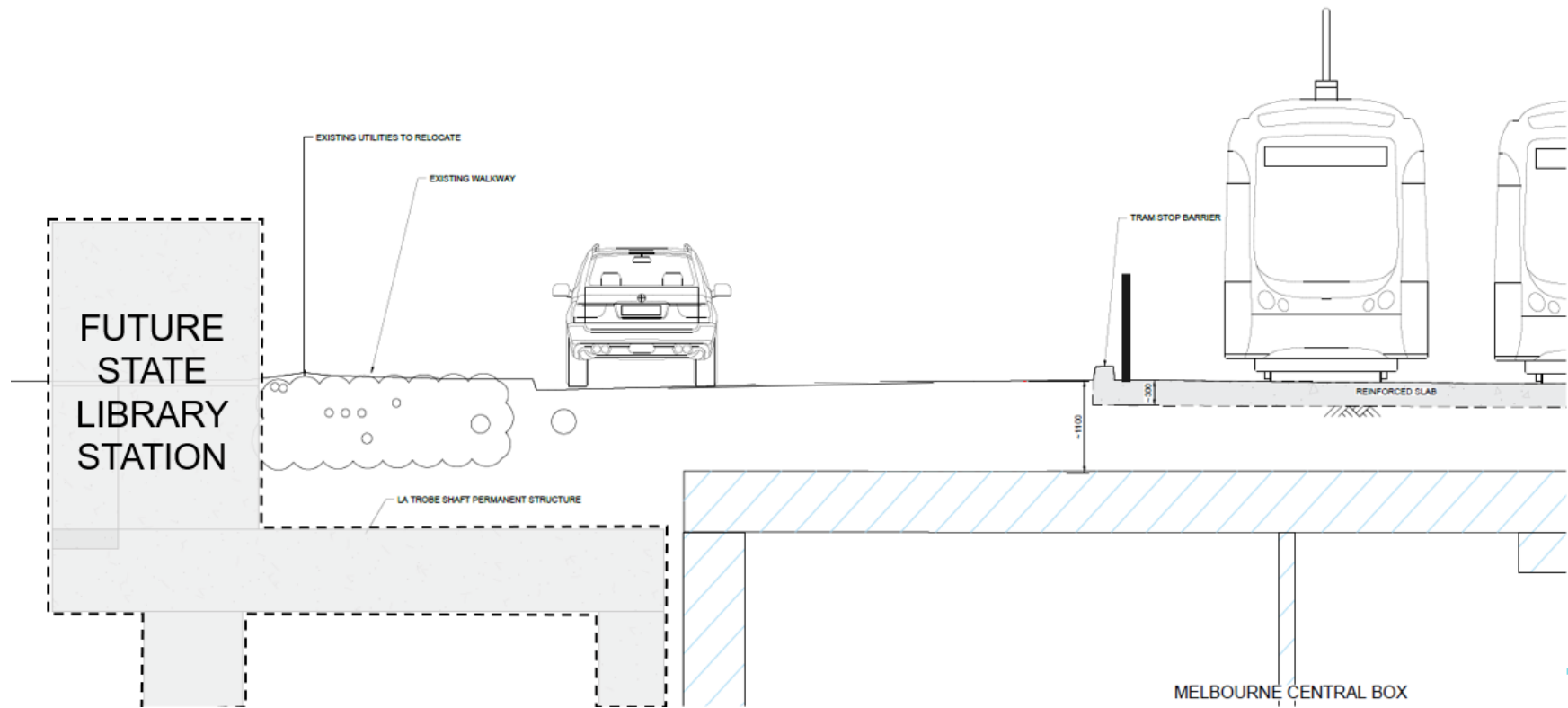


# STATE LIBRARY STATION FOOTPRINT

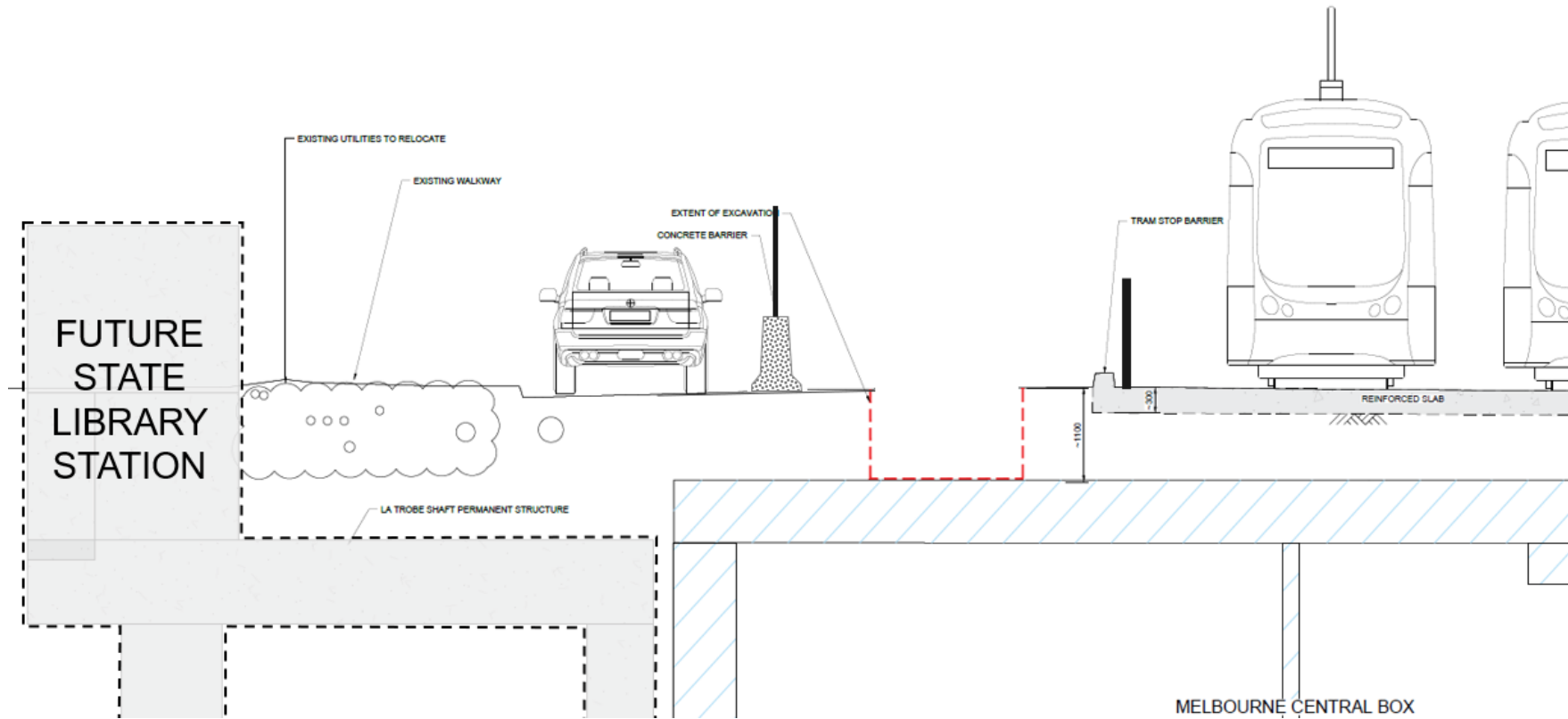


- LEGEND**
- STATION CAVERN AND ADITS
  - STRUCTURAL SHAFTS
  - 06CN\_XXX BUILDING NUMBER
  - EXTENT OF DESIGN PACKAGE TAS-D-CTP-3330-0072

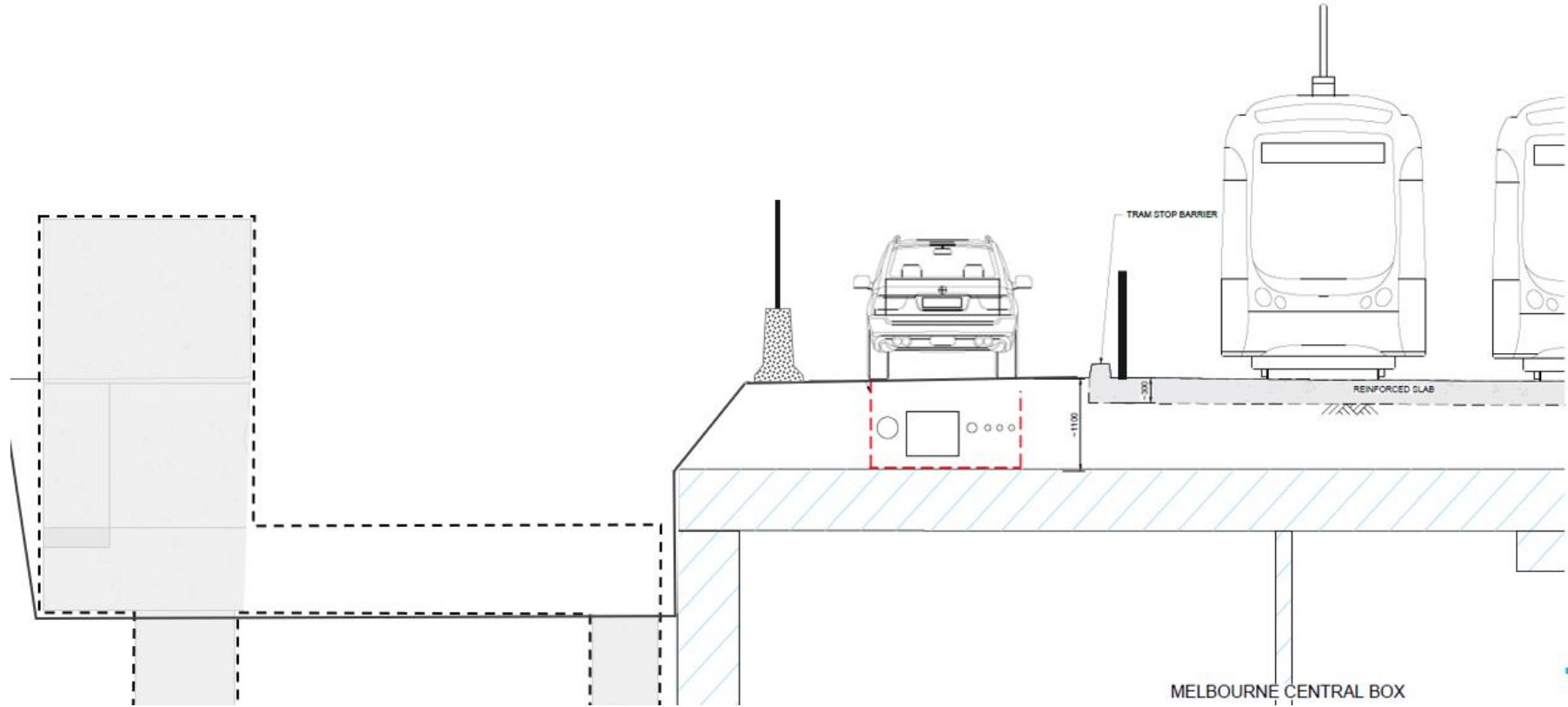
# CURRENT SITUATION



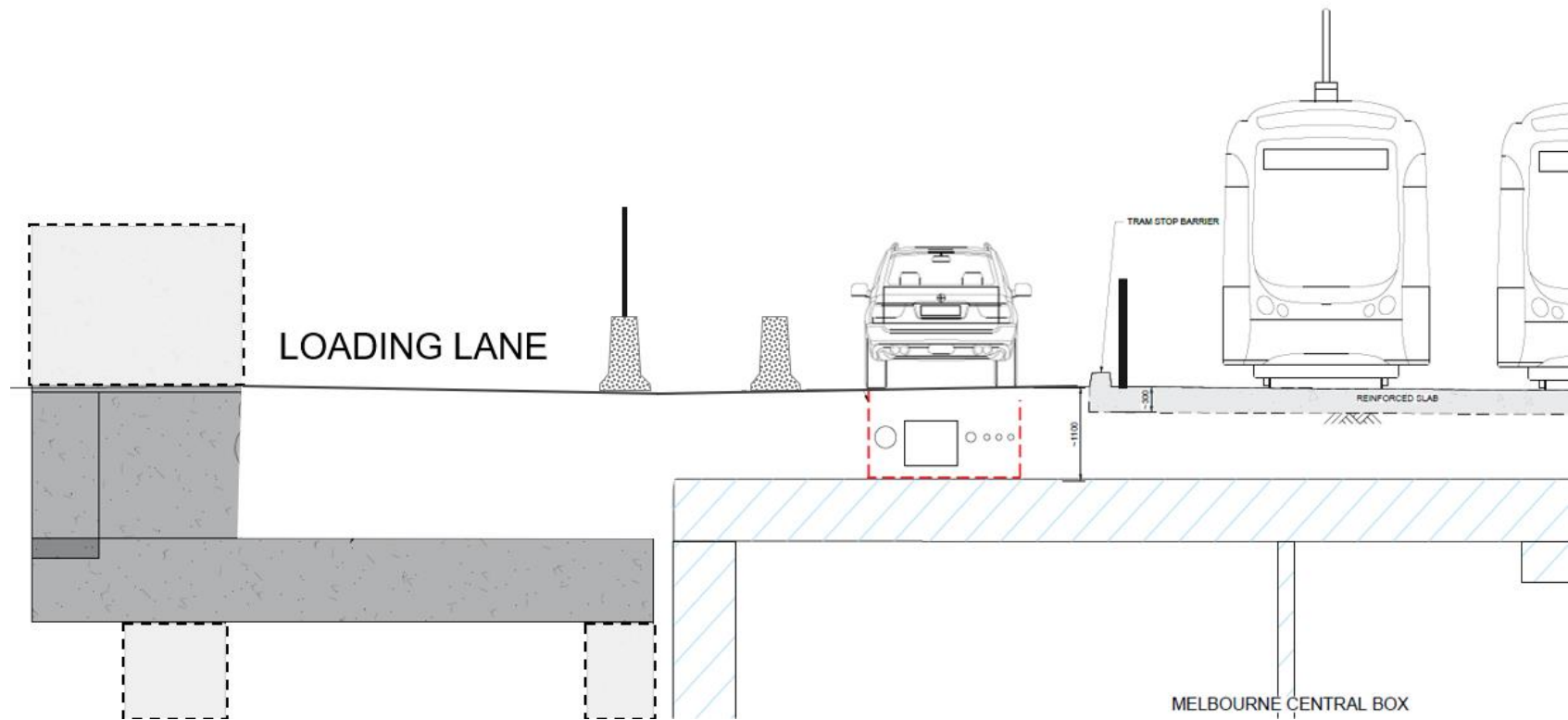
# UTILITY DIVERSION



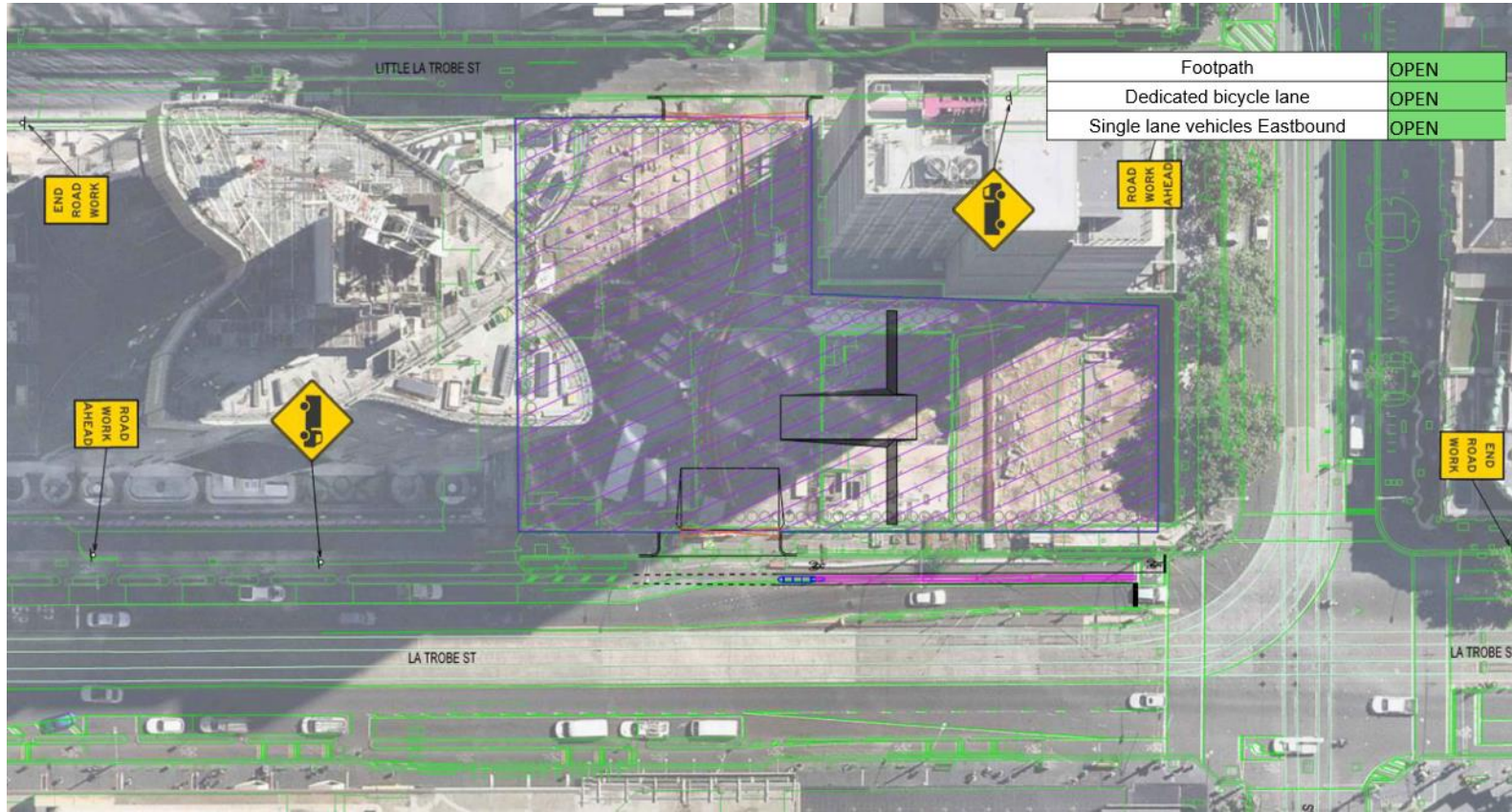
# PILING AND ROOF SLAB EXCAVATION



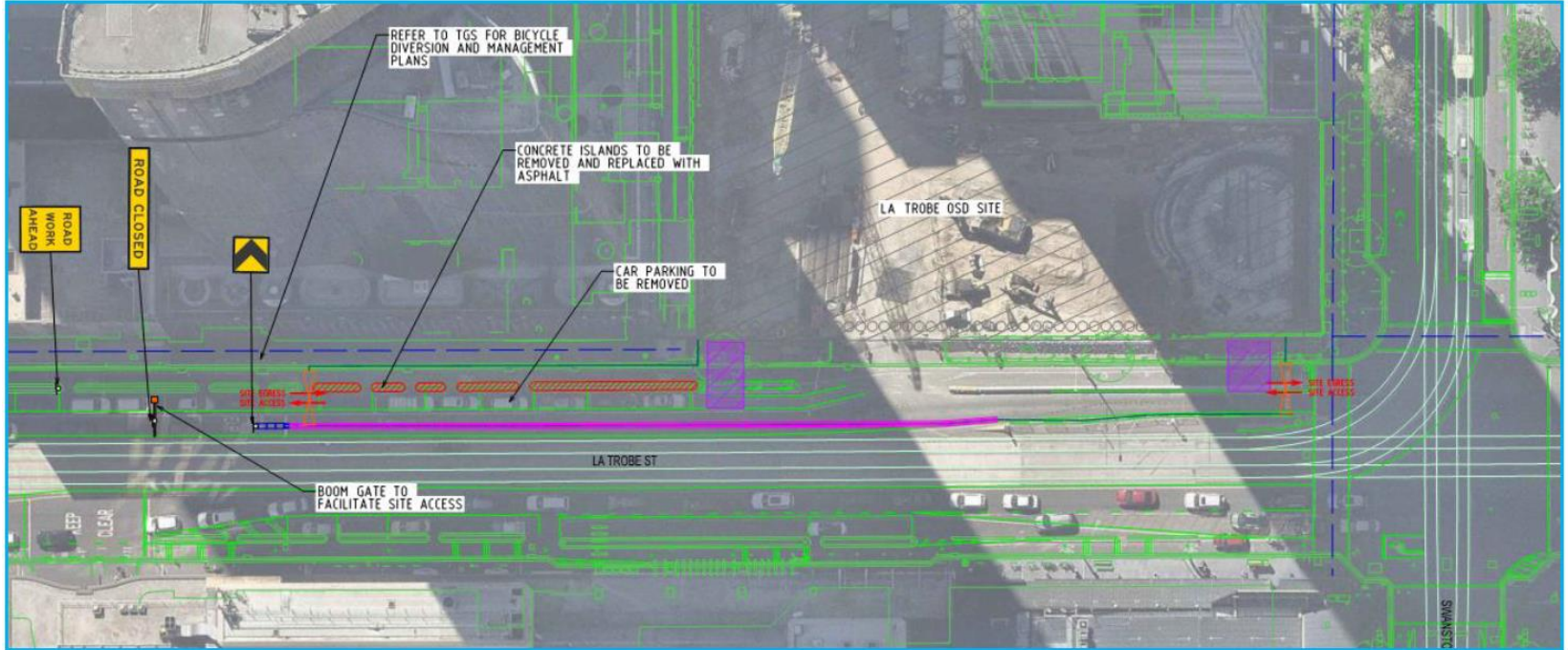
# LONG TERM ROAD SET UP



# EXISTING TRAFFIC

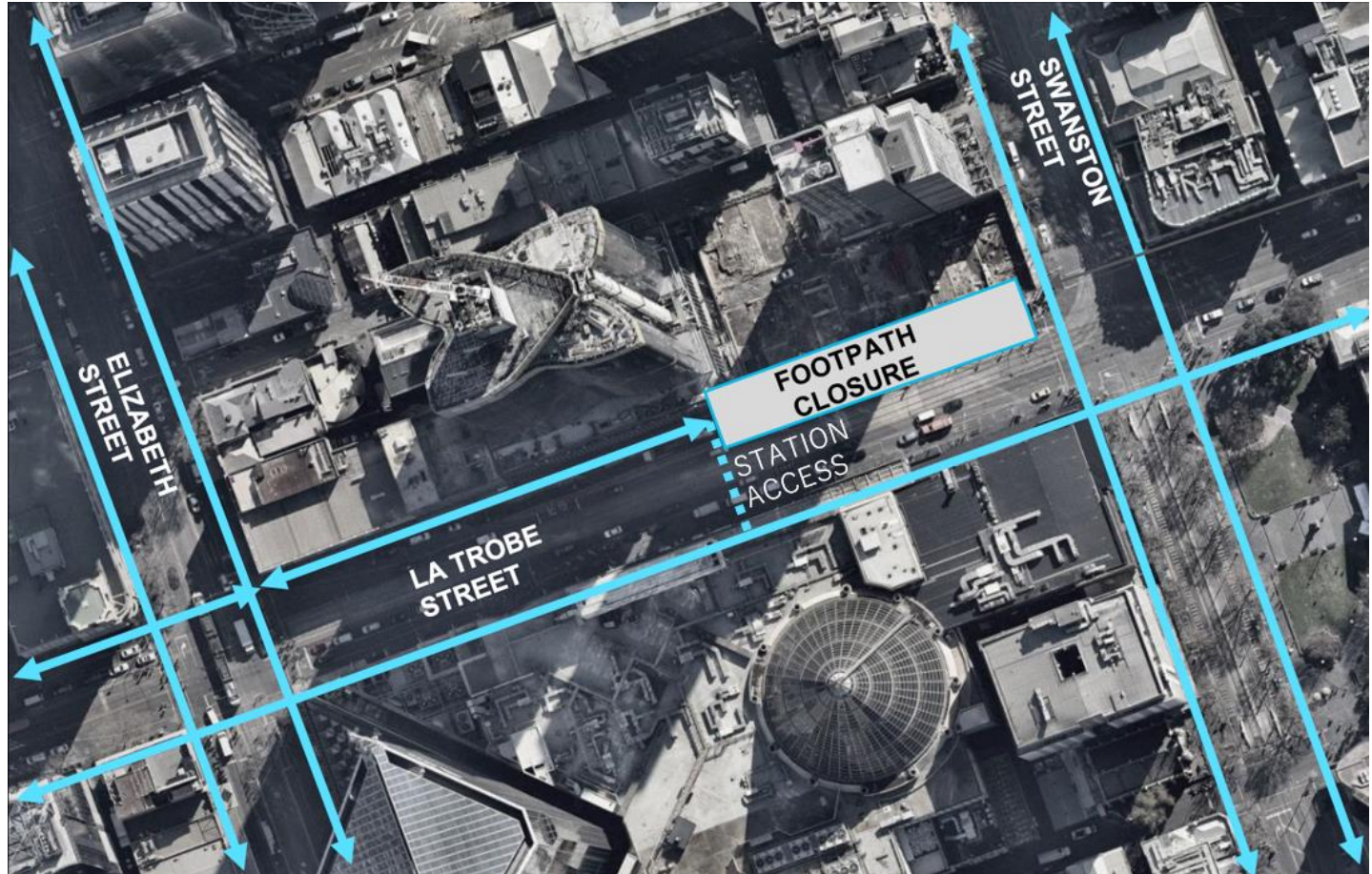


# CONSTRUCTION OCCUPATION



Footpath	CLOSED
Dedicated bicycle lane	CLOSED
Single lane vehicles Eastbound	CLOSED

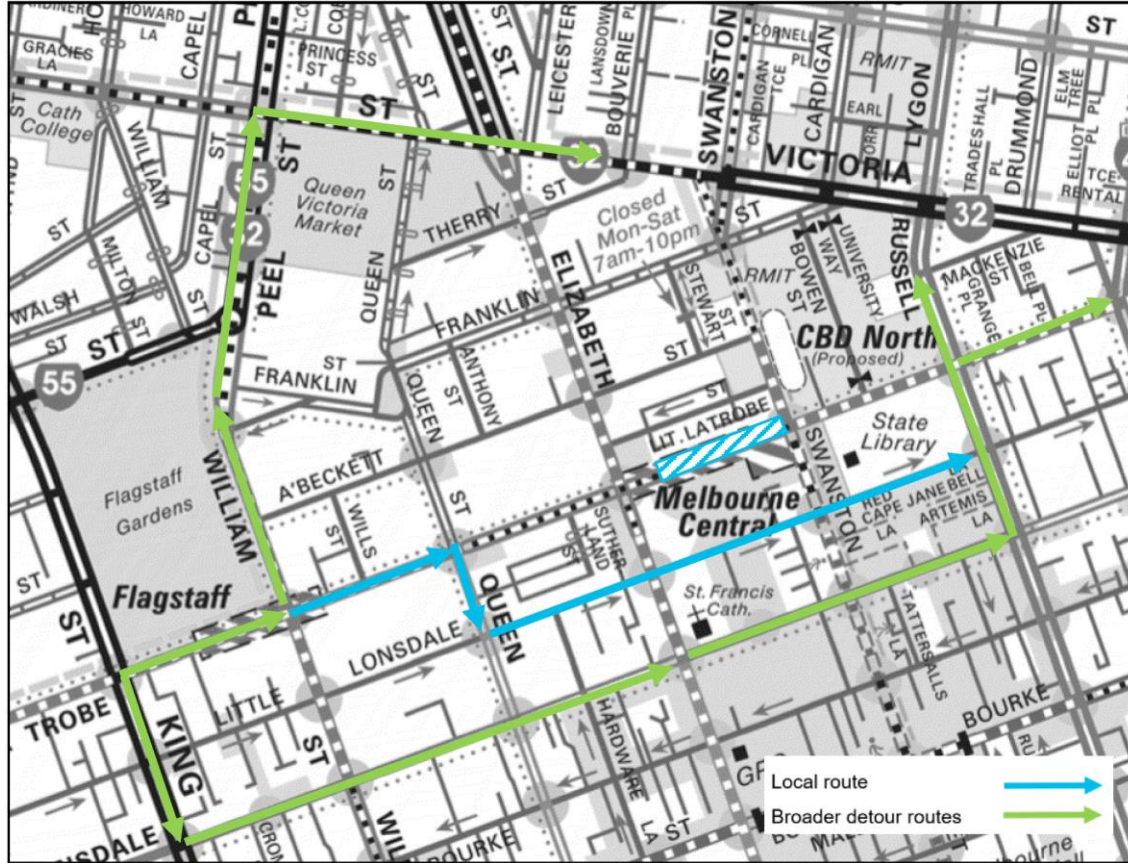
# PEDESTRIAN DIVERSION



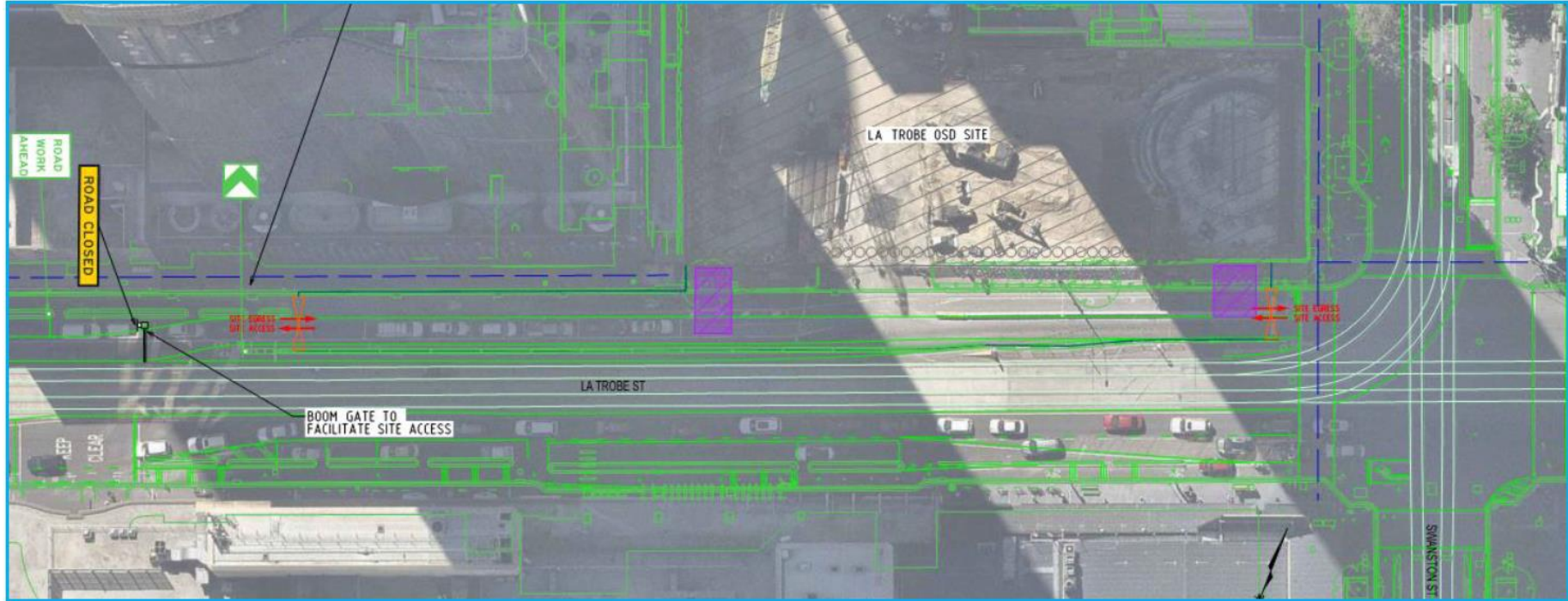




# TRAFFIC DIVERSIONS



# SECOND CONSTRUCTION CLOSURE



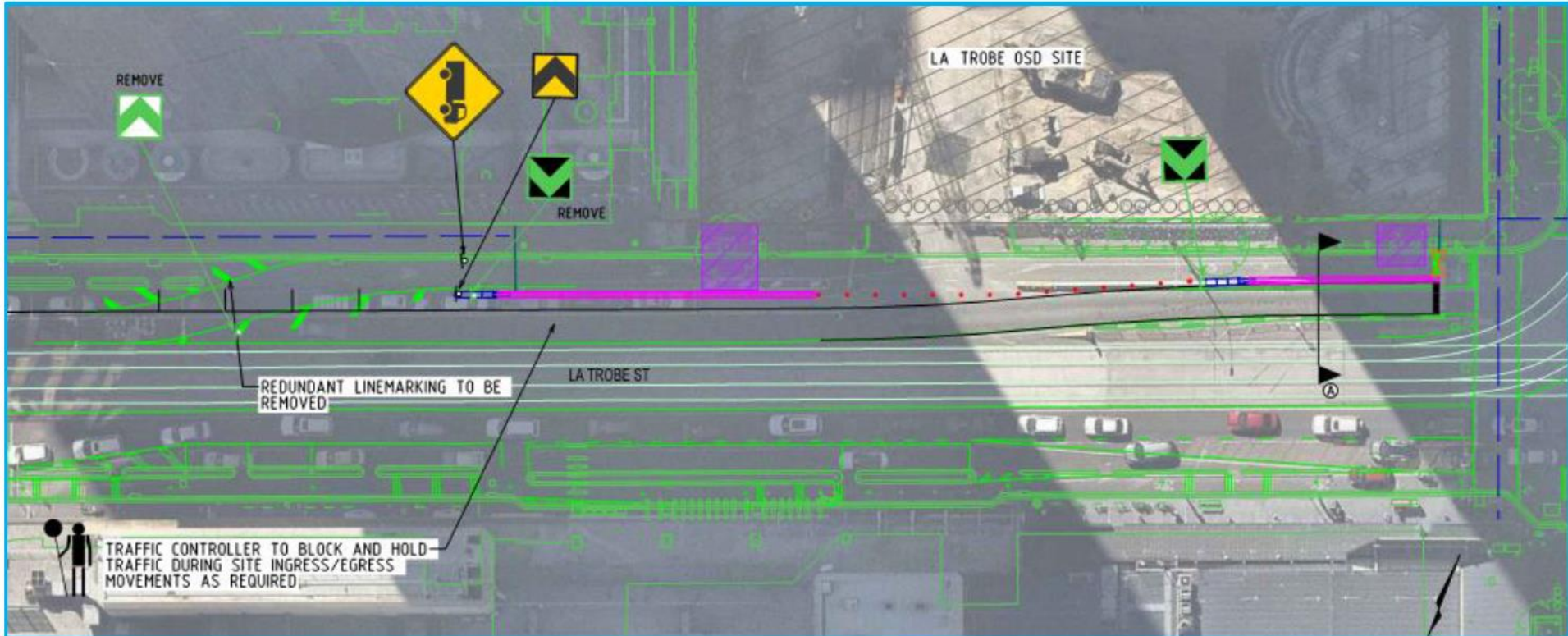
Footpath	CLOSED
Dedicated bicycle lane	CLOSED
Single lane vehicles Eastbound	CLOSED

# EASTBOUND OPEN – NIGHT TIME CLOSURES



Footpath	Open 0700 - 2000; Closed 2000 - 0700
Dedicated bicycle lane	<b>CLOSED</b>
Single lane vehicles Eastbound	Open 0700 - 2000; Closed 2000 - 0700

# EASTBOUND OPEN





Footpath	CLOSED
Dedicated bicycle lane	CLOSED
Single lane vehicles Eastbound	OPEN



# ENVIRONMENTS UPDATE

# FLINDERS OSD MONITORING EQUIPMENT



-  Noise monitor
-  Vibration monitor

Noise monitor location on Y&J's rooftop

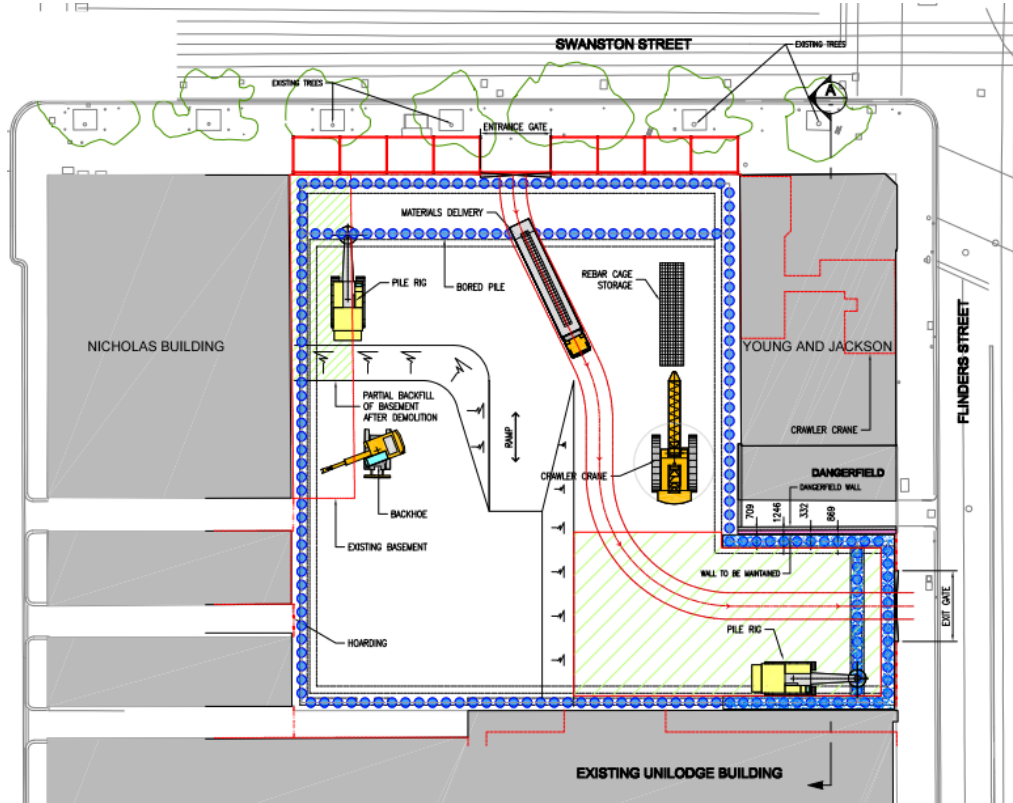




Noise monitor location at Ross House, Royston Place



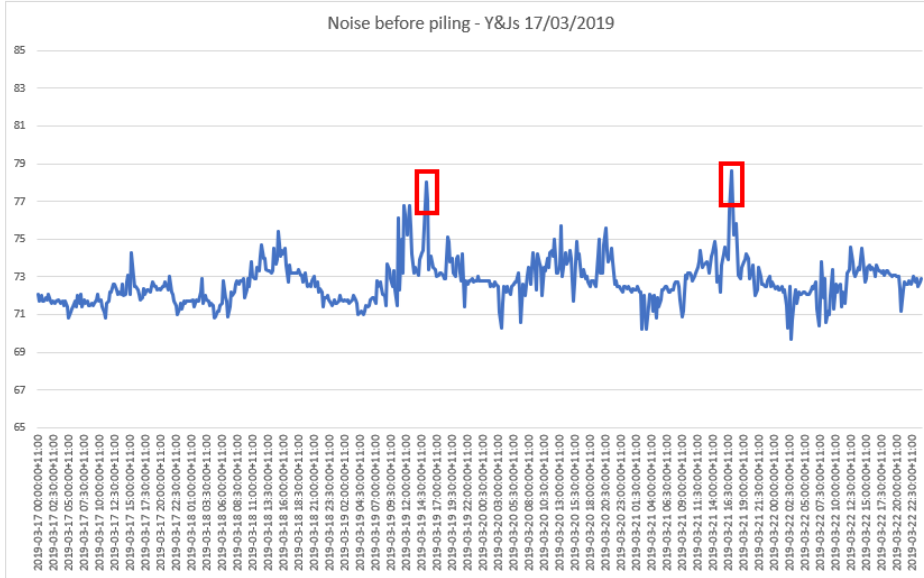
# NOISE MODELLING (DECEMBER CRG)



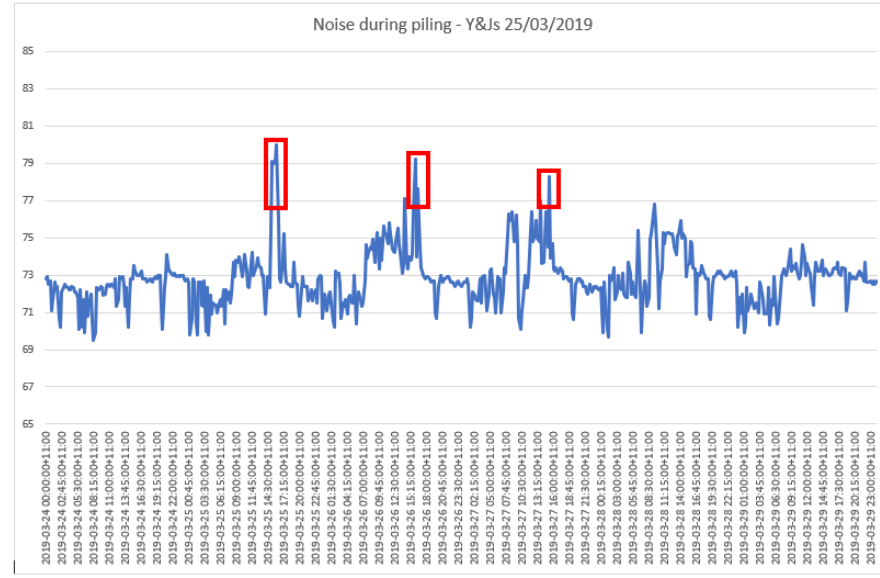
Noise sensitive receiver	Predicted Mitigated Noise Level, dB Laeq(15min)
Ashdowne Apartments	79
Bible House	79
UniLodge	87
Flinders Street Station	75
Nicholas Building	78
Young and Jacksons	82
Ross House	80

# NOISE BEFORE & DURING PILING (Y&J)

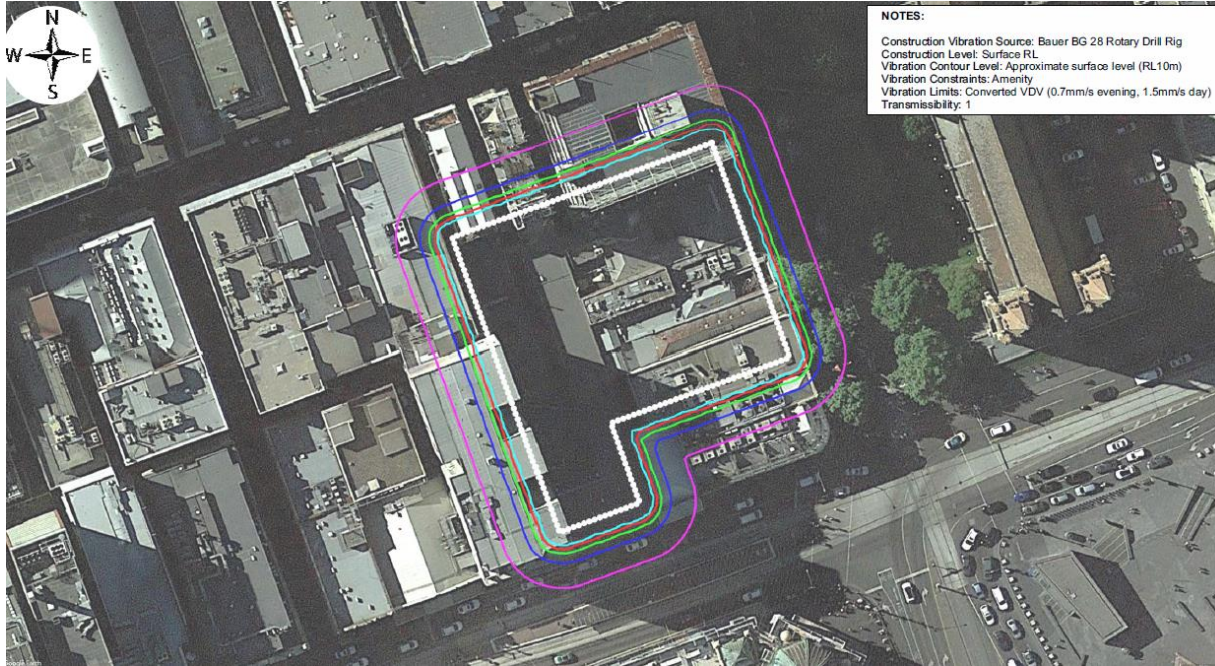
Noise before piling - Y&Js 17/03/2019



Noise during piling - Y&Js 25/03/2019



# PILING VIBRATION – NICHOLAS BUILDING BASEMENT



Vibration sensitive receiver	Actual vibration, mm/s
Nicholas Building	0.1-0.5 mm/s



# LEGACY ARTWORK PROGRAM



## METRO TUNNEL

# LEGACY ARTWORK PROGRAM

---

PROGRAM UPDATE

APRIL 2019



# METRO TUNNEL CREATIVE STRATEGY

The Creative Strategy supports the Metro Tunnel **Creative Program** and the **Legacy Artwork Program**.

- Based on initial research by Deakin University
  - Researched key artist opportunities for each of the precincts
  - Identified need for both temporary and permanent arts programs
- Stakeholder inputs
  - Creative Strategy Working Group
    - RPV, Creative Victoria, OVGA, City of Melbourne, City of Port Phillip & City of Stonnington
    - Met on monthly basis to shape the development of the strategy
    - Considered stakeholder perspectives and expectations





# LEGACY ARTWORK PROGRAM

The Program will provide world-class public art experiences for visitors and users of the Metro Tunnel, creating stations which are must-see destinations and enhancing Melbourne's reputation as Australia's cultural capital.

- Six major works will be commissioned – one for each station and a line-wide artwork which will span all five stations
- Artists will work with station design teams to create site-specific artworks that will be integrated with the architecture
- Commissioning approach is 3x Expressions of Interest and 3x Invited Proposals
- Consideration of Melbourne's cultural context and local precinct character
- Seeking established contemporary artists whose practice is best fit for the relevant opportunity





# CURATORIAL THEMES

There are three main themes for the Creative Program and Legacy Artwork Program.

- Storytelling
  - Artists are asked to consider and explore notions of people and community and to unlock surprising or forgotten histories and narratives.
- Movement, Repetition and Time
  - We are interested in creative responses that explore the experience of travelling, commuting, movement and the passage of time.
- The Environment and Biophilic Design
  - Bringing nature into the metro system, opens our opportunity to connect with the environment and transform our journey into a more enjoyable experience.

# PRECINCT CHARACTER

Key heritage and design aspects for each precinct have been identified through the Metro Tunnel Urban Design and Creative Strategies, and the Environment Effects Statement. Artists may choose to respond to the local precinct character in addition to the main curatorial themes.

- North Melbourne (Arden)
  - Industry and manufacturing past
  - Catalyst for urban renewal and new precinct development
- Parkville
  - University and Biomedical precinct
  - Artist research and collaboration opportunities with science and medical organisations
- State Library
  - Vibrant, busy and eclectic precinct
  - A meeting place of ideas and stories
- Town Hall
  - Melbourne's civic heart and gateway to major public places
  - A grand architectural space that artists are asked to consider
- Anzac
  - Connection to nature, parklands and botanic gardens
  - Notions of loss, remembrance and ceremony
- Line-wide
  - An Indigenous artwork that considers the experience of journey across Melbourne
  - Selected Aboriginal artist will work with Boon Wurrung, Bunurong and Wurrundjeri Traditional Owners to develop appropriate themes and stories

# NORTH MELBOURNE STATION

The eastern façade of the station building, adjacent Laurens Street, presents an exciting opportunity for an artist to work at an architectural scale with tiled panels or patterning.



CONCEPT IMAGE

# PARKVILLE STATION



The Parkville Station concourse, which will run below Grattan Street, presents a stimulating opportunity for artists to develop a research-led artwork exploring connections between art, science, medicine, and biophilic design.

CONCEPT IMAGE

# STATE LIBRARY STATION

A glazed wall at the station's main entrance on the corner of Swanston and La Trobe Streets presents an exciting opportunity for an artist to work at an architectural scale with glass and light.



# TOWN HALL STATION



Town Hall Station's large vaulted public concourse below the main City Square entrance presents a significant opportunity for a leading artist to create an exceptional artwork and an enduring artistic statement for Melbourne.

# ANZAC STATION

Anzac Station's pedestrian thoroughfare, which runs along the east-west axis connecting the Albert Road Reserve and Shine Reserve station entrances, presents an inspiring opportunity for an artist to work with light, colour, and the geometry of the station.



# LINE-WIDE COMMISSION



An Aboriginal artist will consider the experience of journey across Melbourne. The artwork will be expressed in each of the five stations through imprints, designs, patterns and finishes at the stations' platform levels.





# METRO TUNNEL ARTS ADVISORY PANEL

The Panel's role is to provide expert advice to RPV on the commissioning of legacy artworks for the Metro Tunnel Project.

- RPV chairs and coordinates the Panel
- The Panel is comprised of experts in the fields of public art and architecture
- Established through a public Expression of Interest process in mid-2018, as well as invited representation from the Office of the Victorian Government Architect and Creative Victoria
- A senior curator specialising in Victorian aboriginal arts and culture sits on the Panel
- The Panel ensures that the commissioning of legacy artworks aligns with the Creative Strategy
- Final decisions on artist commissions rests with RPV.

QUESTIONS?





**WE'RE TAKING A BREAK**

# WE'RE TAKING A BREAK

- Please be advised that the Metro Tunnel Project will take a break from construction over the Easter and ANZAC day period.
- The last day of construction will be **Thursday 18 April**.
- Work will re-commence on **Monday 29 April 2019**.
- During the closure period, the site will be secured with regular security patrols.
- Members of the project team will be on call during this time to directly respond to any issues that may arise.



**QUESTIONS?**