



## BOTANICA BRIEFING

THURSDAY 7 MARCH 2019  
ROYCE HOTEL

We acknowledge the land on which the Metro Tunnel Project is being delivered, is the traditional land for the People of the Kulin Nation. We respect their spiritual beliefs and acknowledge their ongoing connection with their Country.

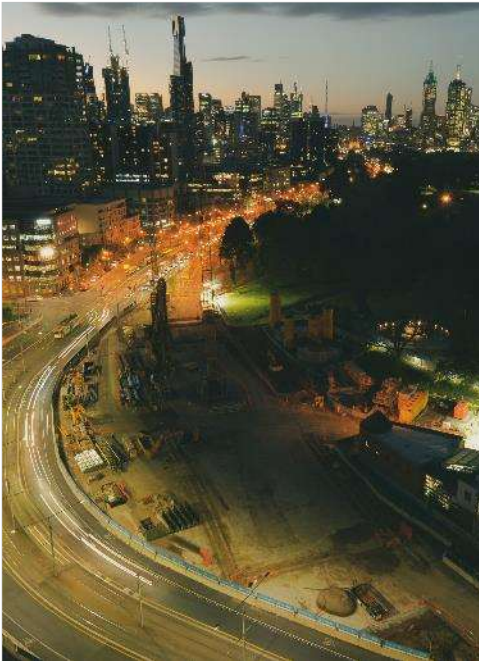
We would also like to pay our respect to Elders past, present and future.



**ACKNOWLEDGEMENT TO COUNTRY**



## BRIEFING PURPOSE



- Provide an insight into what has been achieved to date
- Show the staging of the works
- Highlight key 2019 works in front of Botanica
- Answer any questions you may have



# DOMAIN CONSTRUCTION SEQUENCE VIDEO



# PROGRESS TO DATE





## 2018 AT A GLANCE

March 2018





## 2018 AT A GLANCE

March 2019







## 2018 AT A GLANCE

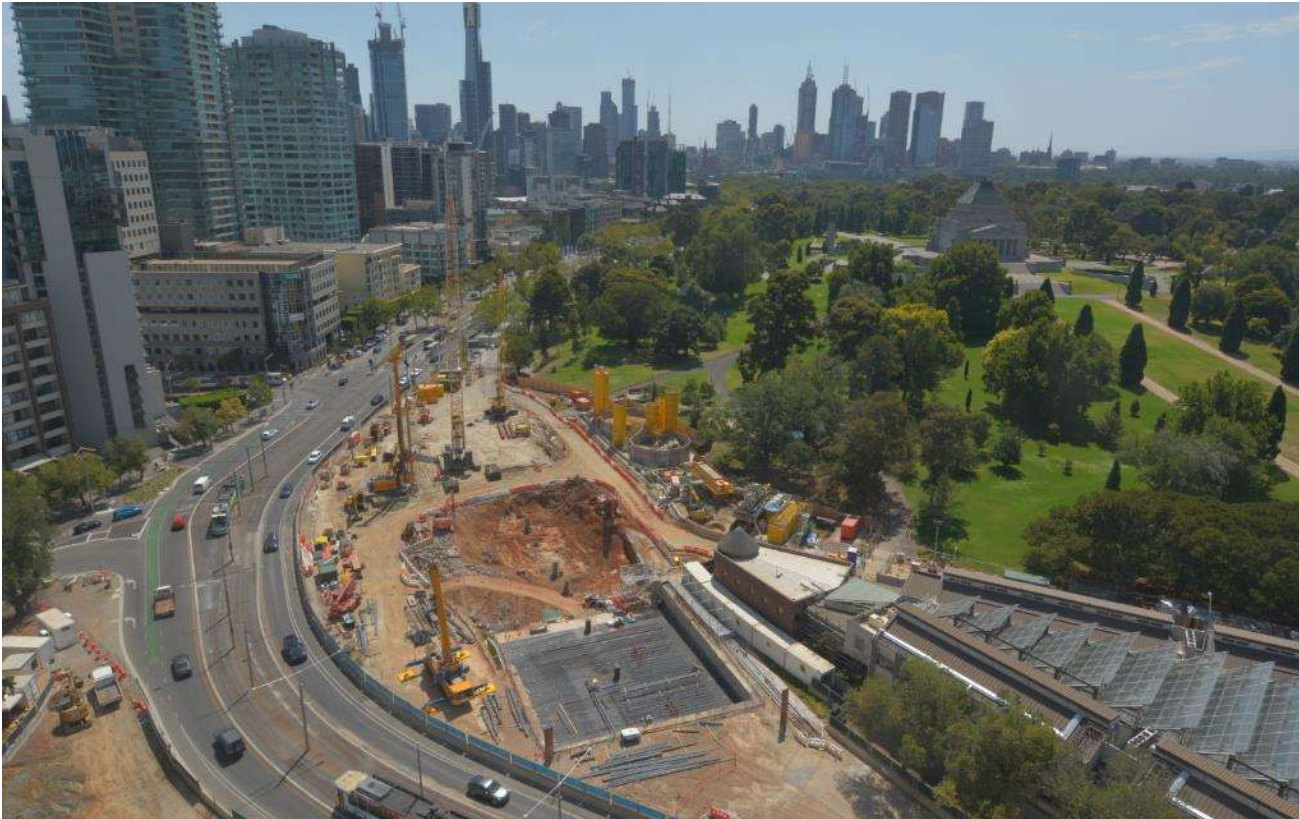
March 2018







## 2018 AT A GLANCE



March 2019



## 2018 AT A GLANCE

March 2018







## 2018 AT A GLANCE

March 2019



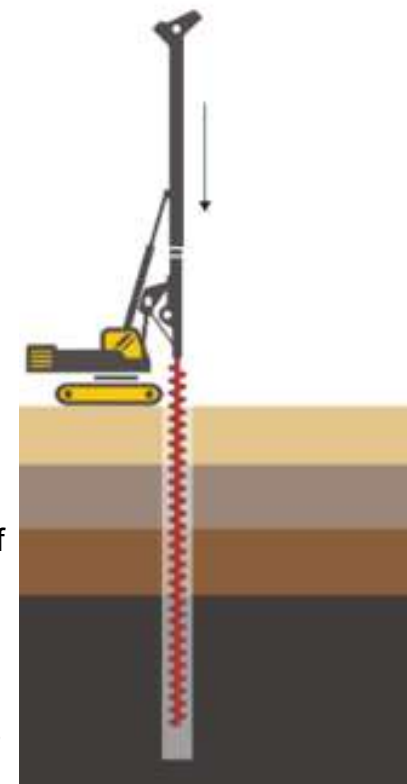


## SOUTH BOX PROGRESS

- Diverted traffic and trams onto the new alignment
- Established the south box site
- Completed guide wall installation
- Relocated a high voltage cable
- Completed link road from Bowen Lane to Albert Road
- Completed the 15 centre piles in the south box
- Installed scaffolding (and artwork) in front of Botanica
- Started D-Wall piling in the south box



- The south box is home to our deepest pile – down to a depth of 56.71m
- Equivalent to approximately two Botanica buildings in depth





**2019**

# **CONSTRUCTION LOOK-AHEAD**



# ANZAC STATION PROGRAM 2019



All dates current at the time of publication, however are subject to change.

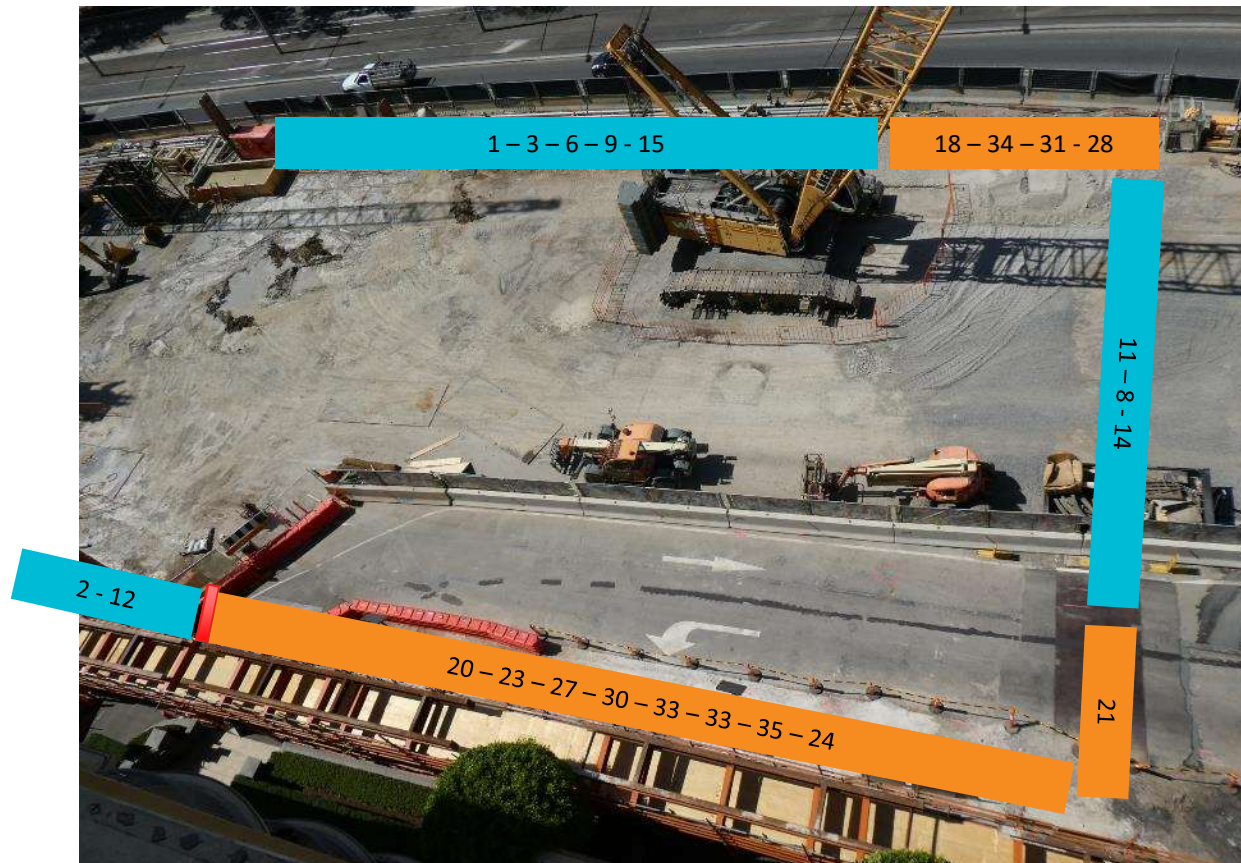
## KEY ACTIVITIES: D-WALL CONSTRUCTION

- D-Wall Works
  - 35 panels to be completed
  - Each panel is approximately 25m deep
  - Bentonite to support the D-walls is pumped from the yellow silos via pipes under St Kilda Road
  - Completed 6 of 35 panels as at 6 March
  - Panel Sequence is staged around the Botanica driveway
  - Conservative modelling shows noise levels at 64dB during these works




*D-wall cutter*

# KEY ACTIVITIES: D-WALL SEQUENCE



Pre driveway switch  
(Current Phase)

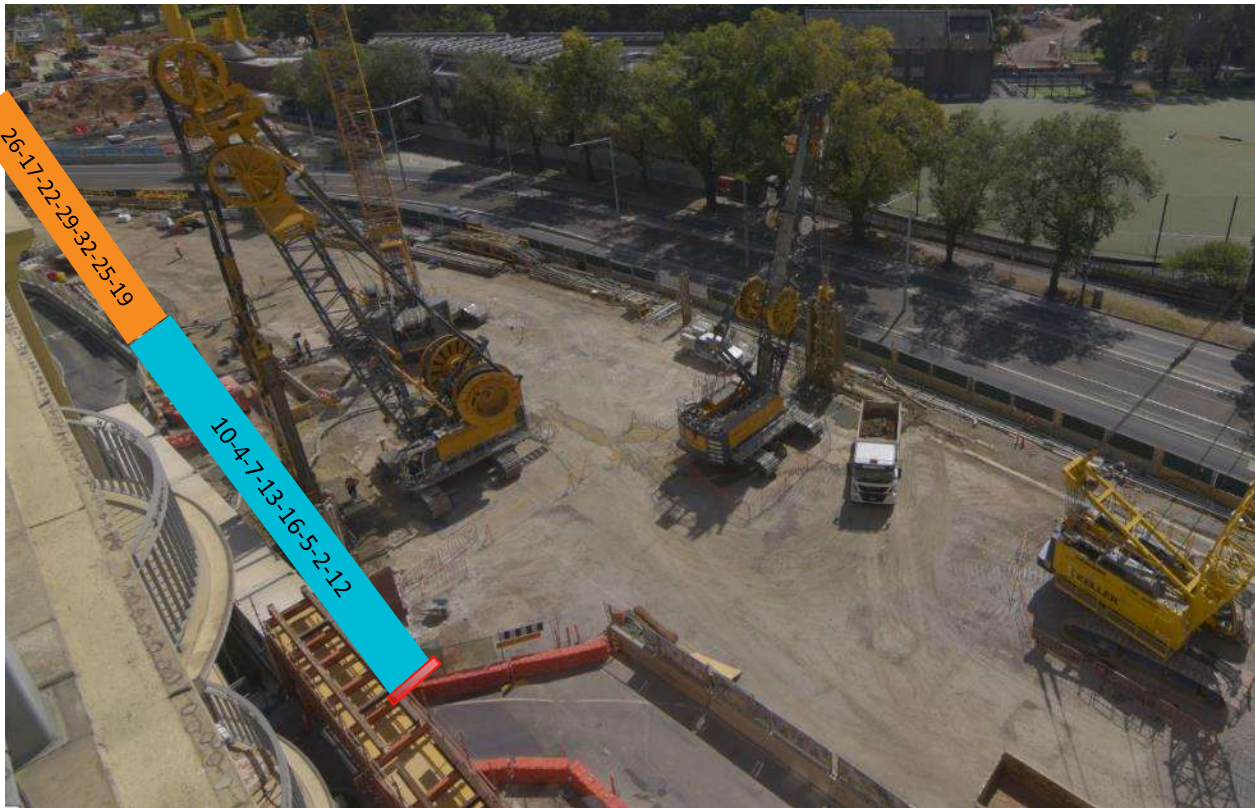
Post driveway  
switch

 Driveway stop end





## KEY ACTIVITIES: D-WALL SEQUENCE



26-17-22-29-32-25-19

10-4-7-13-16-5-2-12

Pre driveway switch  
(Current Phase)

Post driveway  
switch

Driveway stop end



## NEXT BOTANICA DRIVEWAY CHANGE

- Narrowing of the roadway to allow construction of Panel #14
- Traffic management in place during D-wall Panel #12 excavation
- **Driveway closure planned for installation of stop end clamp (Thursday 14 March, 9am to 2pm)**
- Stop-end clamp is removed 24 hours later
- Driveway is later switched towards Bowen Lane (after Panels 13 and 16 are complete)
- (Dates may change due to heat and rain)



*Stop end clamp in place*

## KEY ACTIVITIES – STATION ROOF STAGES

- Includes noisiest work activities for the Botanica
- Conservative modelling shows peak at 78dB

### Stages of work:

1. Preliminary Excavation Works
  - Excavation down 2 to 3 metres
2. Hydro-demolition and break-back
  - Stripping back D-walls to reveal tie-in points for the concrete roof
3. Concrete roof laying and backfill
  - Laying a preliminary blinding layer
  - Steel installation tying into the D-walls
  - Main concrete pour
  - Earth works to back fill the roof

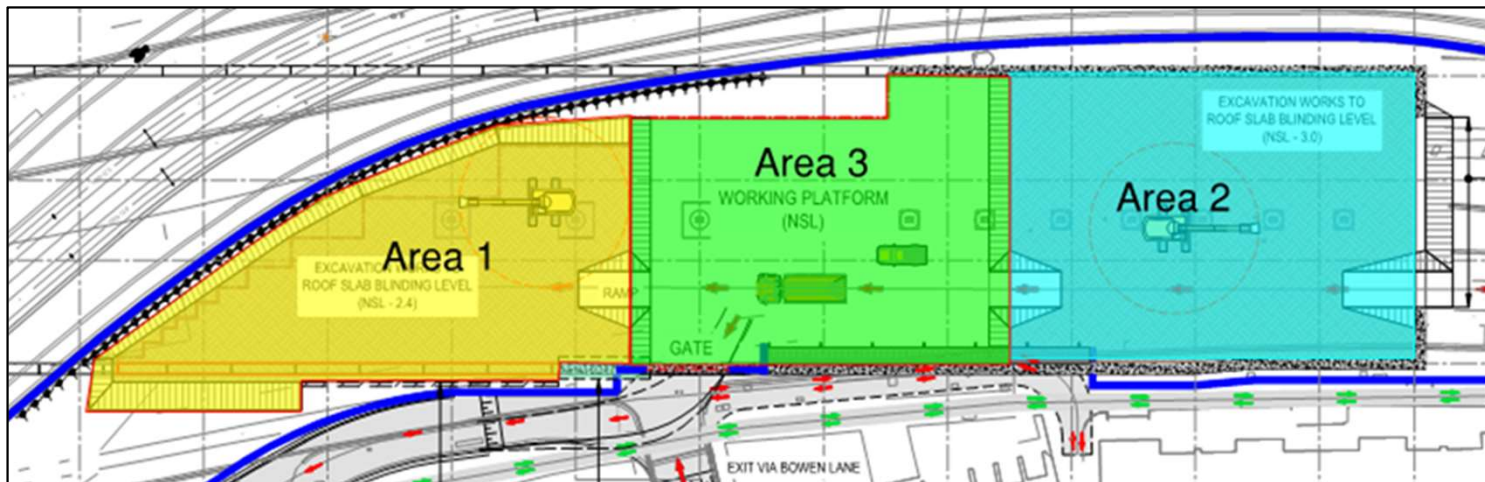


*Staged roof construction in North box*



## PRELIMINARY EXCAVATION WORKS

- Breaking the initial road layer, the internal guide walls and the piling pads
- Period of noisy works, before excavation then moves into softer soil
- Conducted over three separate areas
- Requires construction of a temporary decking for the St Kilda Road driveway to exit via Bowen Lane





## HYDRO DEMOLITION AND BREAK BACK

- Both activities are anticipated to be the noisiest for the Botanica
- Hydro demolition strips back D-walls to reveal tie-in points for the concrete roof
- Includes breaking back top of central piles through an excavator jackhammering piles



*Aqua Cutter Robot*



# HYDRO DEMOLITION



*Aqua cutter robot works along the north box wall*



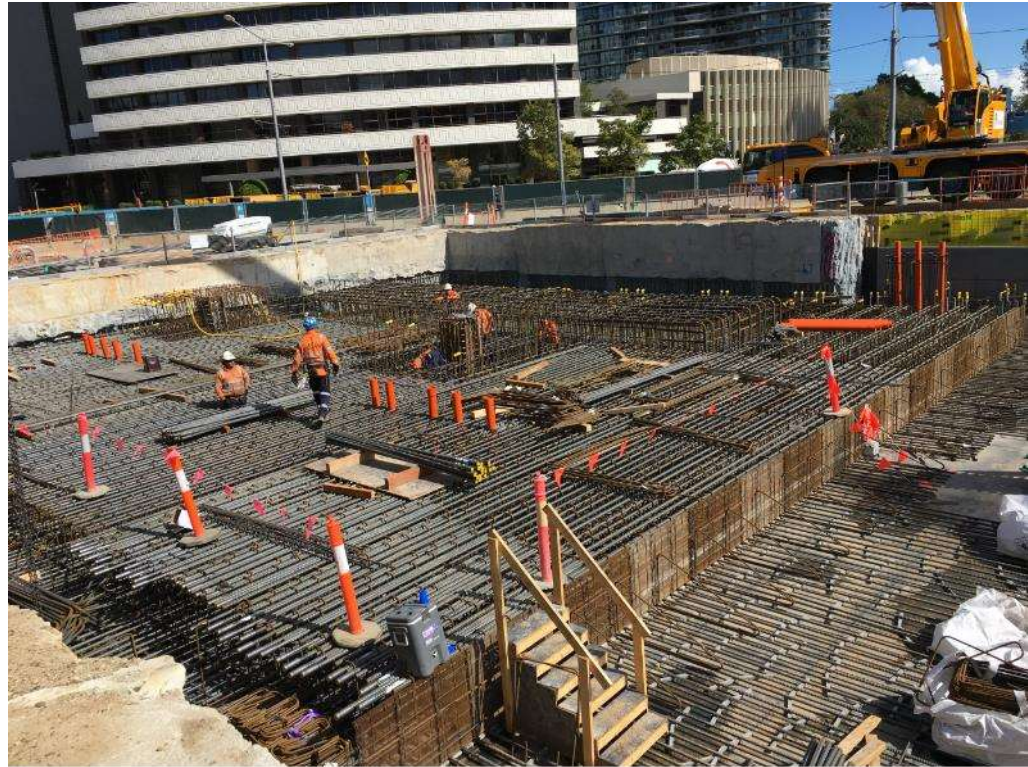
## PILE BREAK BACK





## CONCRETE ROOF LAYING AND BACKFILL

- Delivery of steel and concrete for the new station roof
- Steel being craned into the roof box
- Increase in truck activity







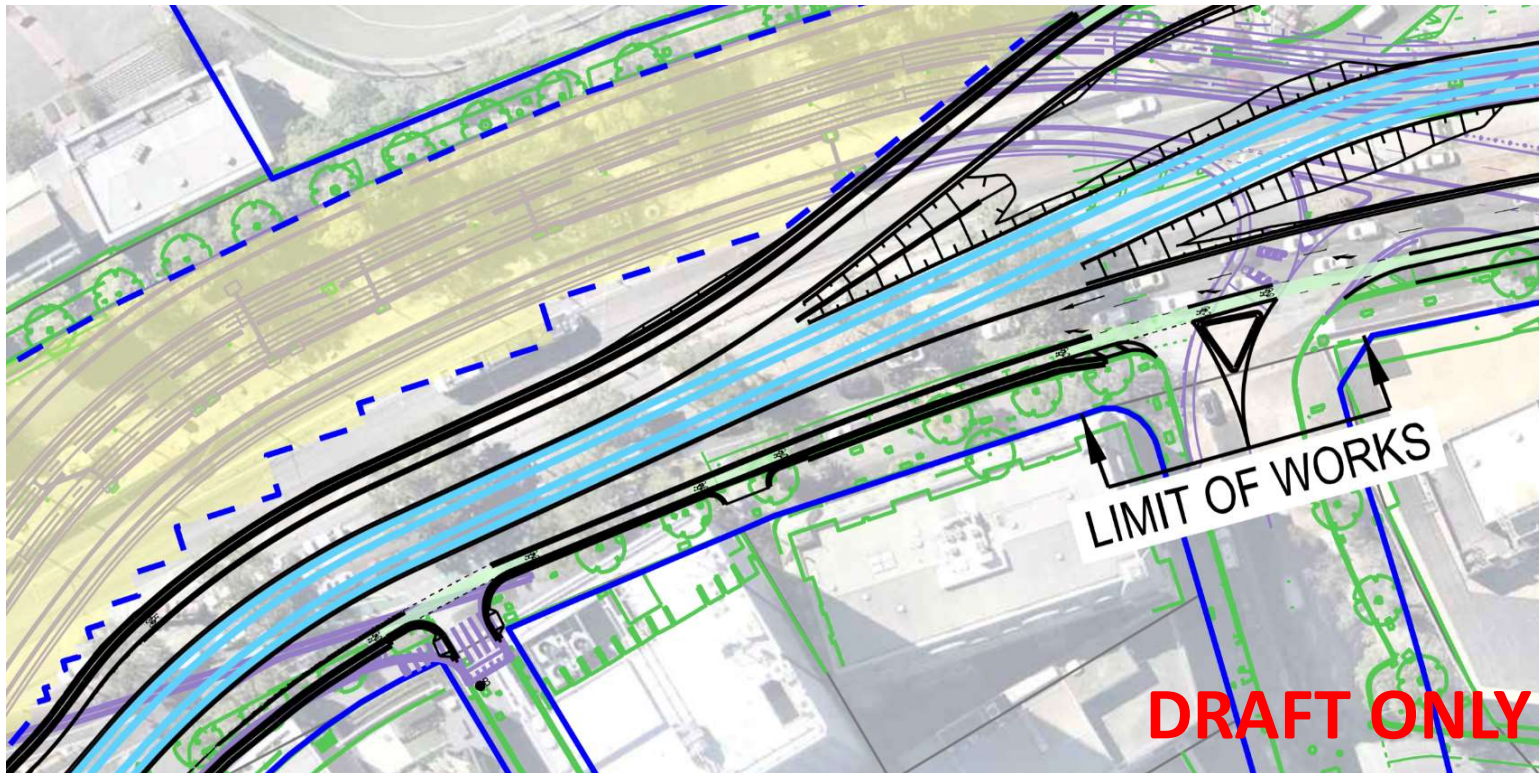
## KEY ACTIVITIES – STAGE 2 TRAM WORKS

- Realigning St Kilda Road
  - Offline works follow backfill works to create the roadway on the south box (Earthworks, asphaltting, tram track laying/welding)
  - 24 hour works commence on 24 August 2019
  - 14 days currently planned
  - Includes relocation of roadway, bike lanes and trams
  - St Kilda Road to be realigned on top of the existing southern box
  - Direct access from Bowen Lane to St Kilda Road reinstated
  - Allows construction of the “middle box”





## PROPOSED ROAD ALIGNMENT



# SUPPORTING THE BOTANICA





## BOTANICA BULLETIN

We want to make sure that Botanica residents get the most up to date information as quickly as possible. Email updates are often the quickest way to keep you informed of progress on the job.

Provide your details on the sign up sheet or email us

[cyp@metrotunnelcyp-dc.com.au](mailto:cyp@metrotunnelcyp-dc.com.au)

In signing up, you'll only receive emails specific to The Botanica.



**CALL US ANYTIME**

**Project Information Line**

1800 105 105

24 hours a day, 7 days a week



**QUESTIONS?**