



Arden and Parkville Community Reference Group

Meeting 29

Friday 31 March 2023



Minutes and Actions

Arden and Parkville CRG presentations 2023-24

Action 24-1 update



Date	Meeting	Presentation
31 March 2023	Arden and Parkville CRG	Schedule of planned presentations to early 2024
May 2023	Combined CRG meeting	Roadmap to trial operations Overview of signalling and CBTC system works Overview of dynamic testing in the tunnels
9 June 2023	Arden and Parkville CRG	Dynamic testing – focus on Arden and Parkville
28 July 2023	Arden and Parkville CRG	Dynamic testing update
28 September 2023	Arden and Parkville CRG	Dynamic testing update
October/November 2023	Combined CRG meeting	Update on dynamic testing in the tunnels Overview of cross region dynamic testing
17 November 2023	Arden and Parkville CRG	Cross region dynamic testing – focus on Arden and Parkville
Early 2024	Combined CRG meeting	Update on cross region dynamic testing Overview of trial operations

Note: To be confirmed and subject to change.

OFFICIAL: Sensitive

Project-wide update

Presenter: Christian Green

State Library Station



- Shaft construction is continuing at all five State Library Station sites
- The first columns have been poured at Swanston Street for the station entrance
- Above ground building works have commenced at the Little La Trobe Street site
- Platform works are continuing within the station cavern. Brackets for the platform screen doors are being installed
- Melbourne Central escalator installation works are ongoing.



Town Hall Station



- Excavation is complete for the lift shafts between Flinders Street Station platforms and the new Town Hall Station. Reinforcement and concreting works are continuing
- Structures works are continuing on the basement levels of the Flinders Quarter Site. Site sheds will soon be demobilised from above Swanston Street
- Works take place below Swanston Street to continue building platforms, lining adits and laying rail in the tunnels via the City Square site.



Anzac Station



- Works are well underway on the Albert Road Reserve entrance for Anzac Station
- Works have also commenced on the construction of the final legacy alignment for Albert Road
- On platform level, installation of the platform screen doors are complete and feature lighting is being installed.



Rail tunnel and fit out

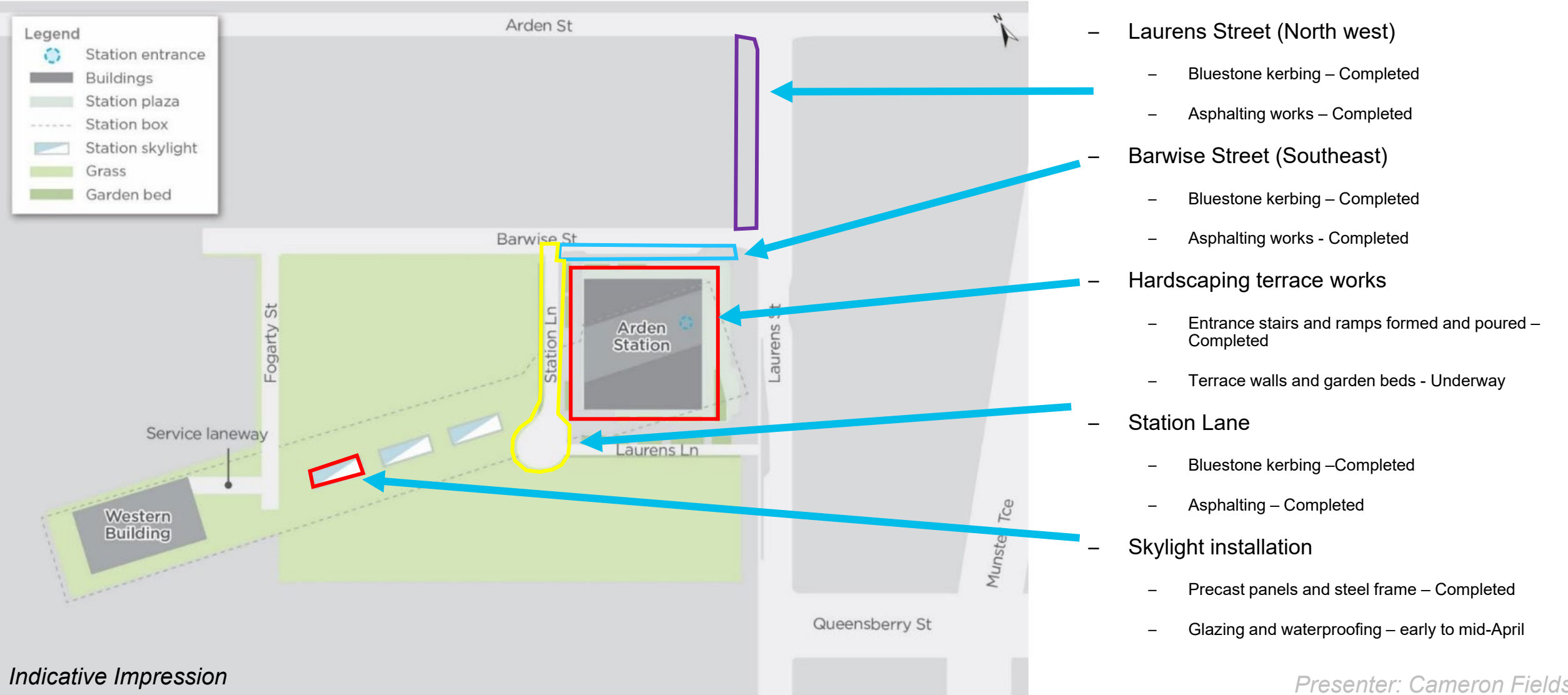


- Acting Premier and Minister for Transport and Infrastructure Jacinta Allan visited Parkville Station to inspect the completed tracks
- Workers laid the final lengths of Australian-made steel rail on the tracks this month, the culmination of nine months of work
- The process began in mid-2022, when crews started installing 4,000 high-performance concrete panels to create an even base for the rail
- The panels were cast in 300 different shapes to match the curvature and elevation of the tunnels as they wind from Kensington to South Yarra, up to nearly 40 metres underground. The 236 lengths of steel rail are extremely strong, but flexible enough to curve along the tunnels where needed.



Construction Update: North Melbourne

Arden Station precinct – Recent surface works



Surface works



Skylight precast panels installed



Station Lane asphalted



- Bluestone kerbing and asphaltting works underway with Station Lane complete
- Precast panels installed on the third and final skylight within the gantry shed
- Glazing and waterproofing of the skylight to commence in early April
- Removal of the gantry shed commencing in early to mid-April
- Works to develop the south western end of Barwise Street and Fogarty Street to commence in April
- Public realm works will move to the northern side of Barwise Street in May.

Surface works



- Terrace construction for the area surrounding the station entrance is progressing well
- Outer terrace walls and staircases under construction on the southern side
- Plans for outer terrace feature walls to be fully completed approx. end April
- The final section of terrace between the station entry and Barwise Street is under construction.

Entrance stairs poured

Outer terrace walls under construction

Surface works



Bluestone and asphalting on western side of Laurens Street



- Bluestone installation progressing well on Laurens and Barwise streets
- Bluestone and asphalting of pedestrian pathway on the western side of Laurens Street completed between Barwise and Arden streets
- Asphalting and kerbing of south eastern end of Barwise complete
- Kerbing and roadworks on the north western side of Laurens Street commenced.

Concourse level – B1 Level



- Granite paving is continuing on B1 concourse level
- Paving being installed in the lifts down to B2
- Installation of architectural features including shark tooth steel structures continuing in the entrance
- Lighting installation ongoing
- Balustrades are now complete around the void.



Tiling Works

Platform level – B2 Level



Tiling Works



- Granite stone paving has commenced on the platform level
- Installation of architectural features is continuing, including lighting and balustrades
- Cabling continuing for the PSD's in preparation towards future testing processes.

Station Progress Images



Solar Panels

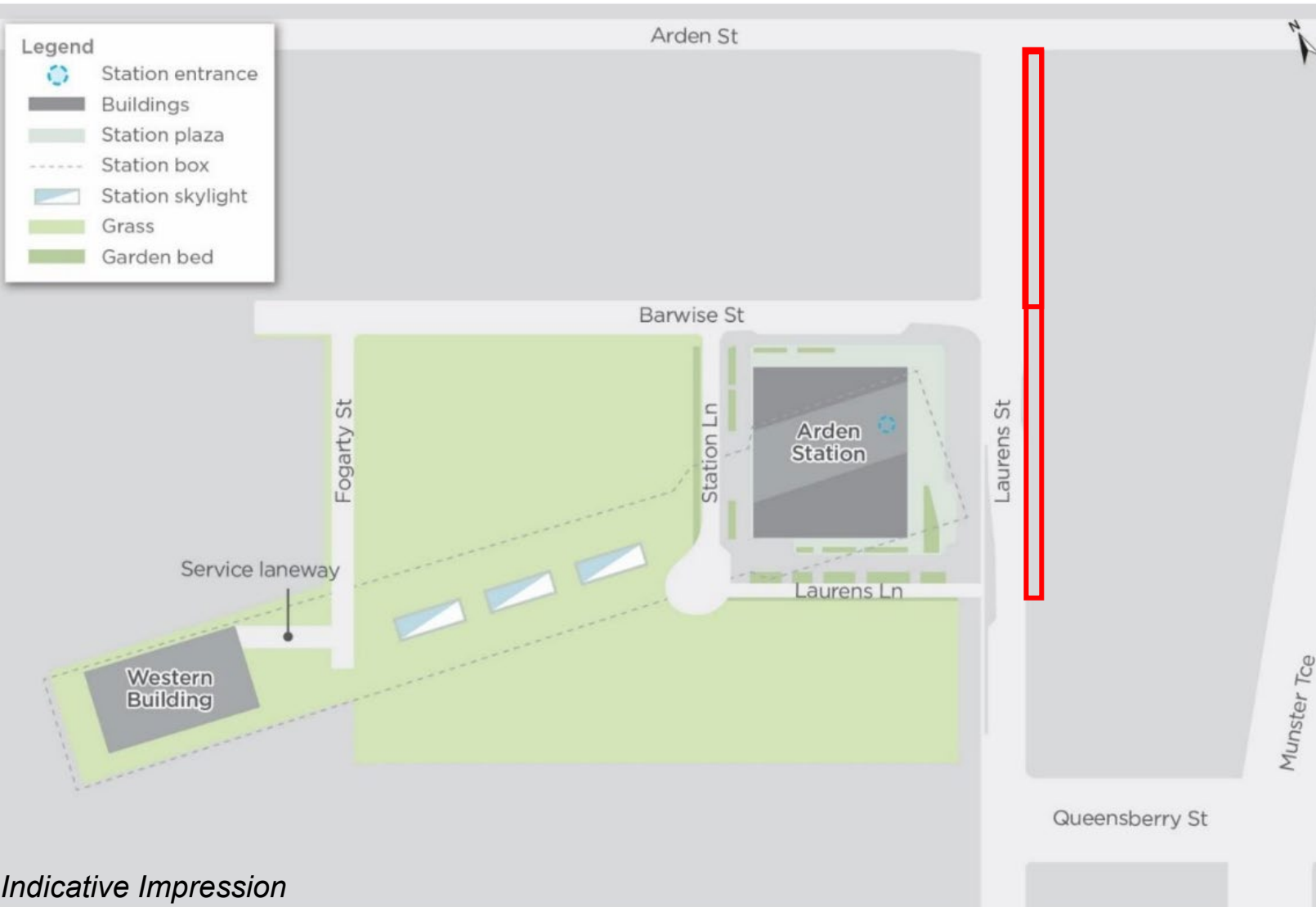
- Installation of solar panels 100% complete
- Cabling works underway to connect solar panels to inverter switchboards.



Solar Panels

Arden Station precinct – Next stage kerbing and roadworks

Laurens Street north (Mar-Sept)



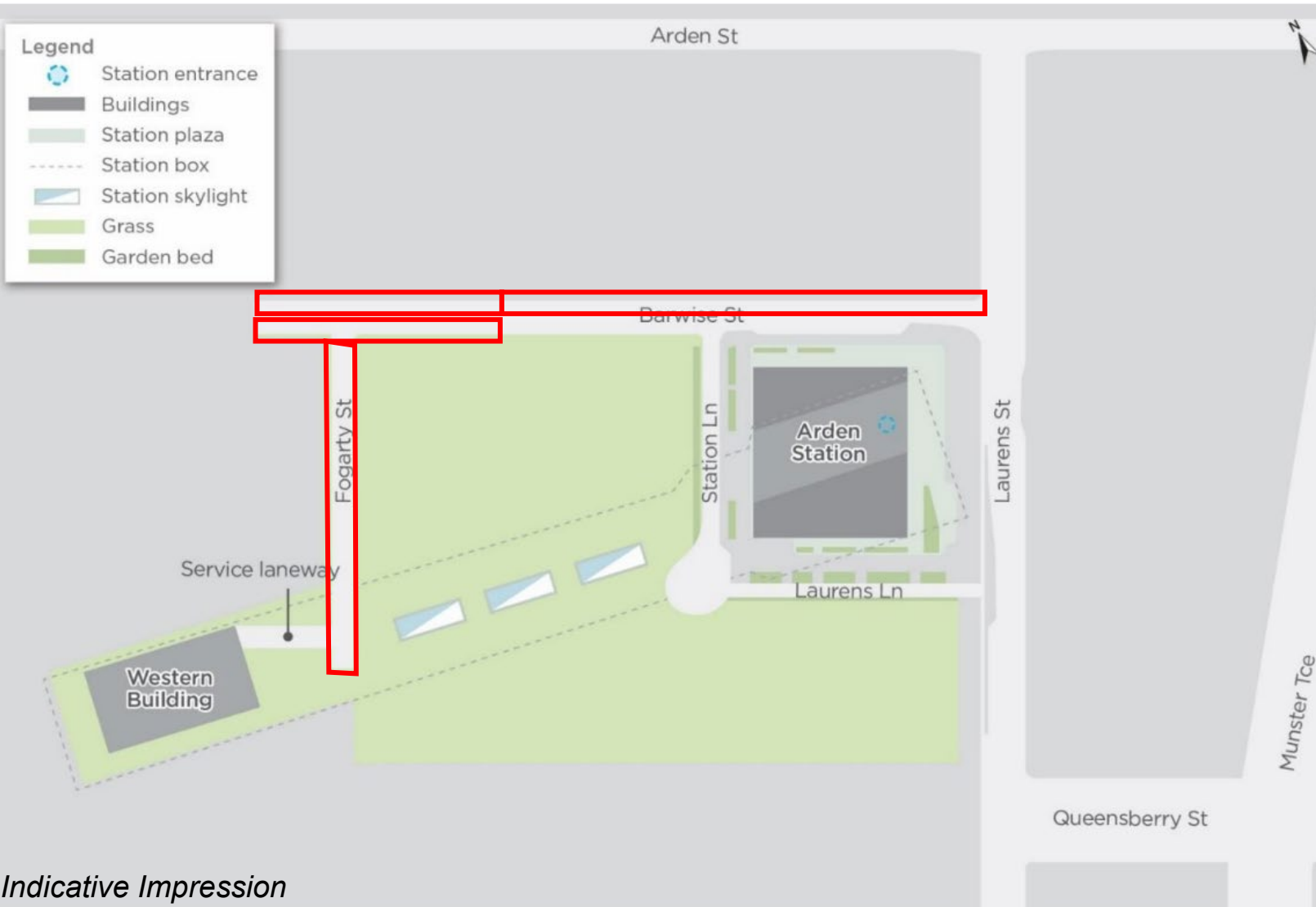
Indicative Impression

- Timing: Ongoing until Sept 2023
- The work area will include:
 - Laurens Street between Arden and Queensberry streets
- Traffic and pedestrian changes:
 - Closure of the southbound bicycle lane. Cyclists detoured down Dryburgh street
 - Pedestrian access will be maintained on the eastern pedestrian footpath until May
 - Closure of the eastern pedestrian footpath on Laurens Street between Arden and Queensberry street from May until late August
 - Removal of onstreet parking from the northern end of Laurens Street.

Presenter: Cameron Fields

Arden Station precinct – Next stage kerbing and roadworks

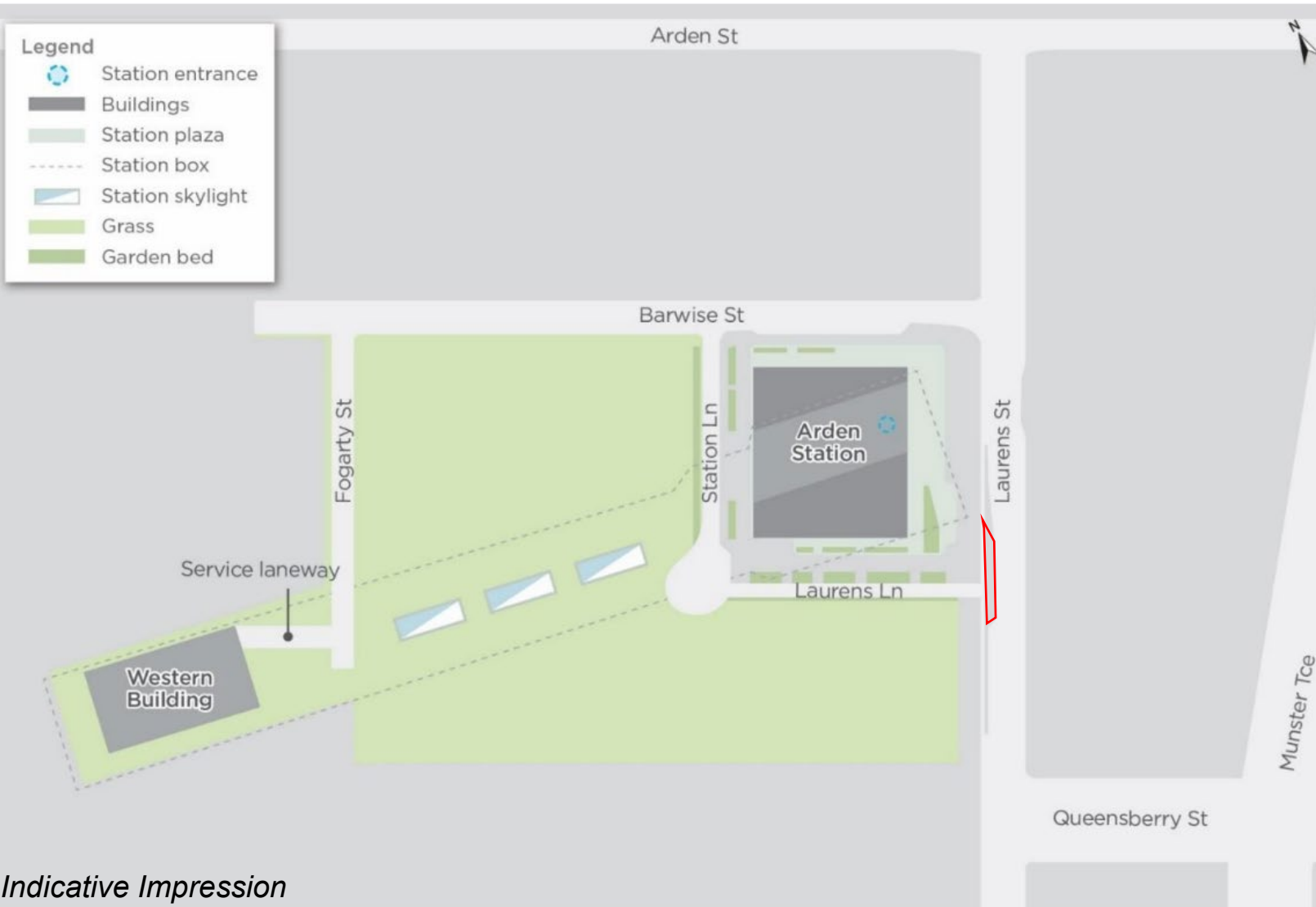
Barwise and Fogarty streets (April-Sept)



- Timing: April until Sept 2023
- The work area will include:
 - Barwise Street with works progressively staged to maintain two-way access to properties
- Traffic and pedestrian changes:
 - Lane reduction on Barwise Street with traffic controllers maintaining two-way flow for vehicles
 - Removal of on street parking and loading zones from the northern side of Barwise Street.

Arden Station precinct – Next stage kerbing and roadworks

Laurens Street west – Bus outdent works (Aug- Oct)



- Timing: Aug until Sept 2023
- The work area will include:
 - Laurens Street between Barwise and Queensberry streets
- Traffic and pedestrian changes:
 - Closure of the southbound bicycle lane. Cyclists detoured down Dryburgh Street.

Arden Station precinct

Public realm works and installed features



- Improved connections for transit users
 - Separated bicycle lanes on eastern and western side of Laurens Street between Queensberry and Arden streets
 - Two bus shelters on Laurens Street
 - New signalised pedestrian crossing at entrance
 - Bike hoops around the station entrance
 - On-street parking bays including public parking, DDA, loading zones, taxi, kiss & ride
 - DDA station access ramps on the northern, eastern and western access point to the station
- Pedestrian laneway and terrace area
 - Public seating
 - Bluestone kerb and paving
 - Additional public lighting
 - Water capturing gardens and urban design features
 - Combination of native and exotic trees and plants
- Two new service lanes, Fogarty Street and Station Lane
- Reconfiguration of Barwise Street & Laurens Street, upgraded driveways and final road surface layer.

Artists Impression

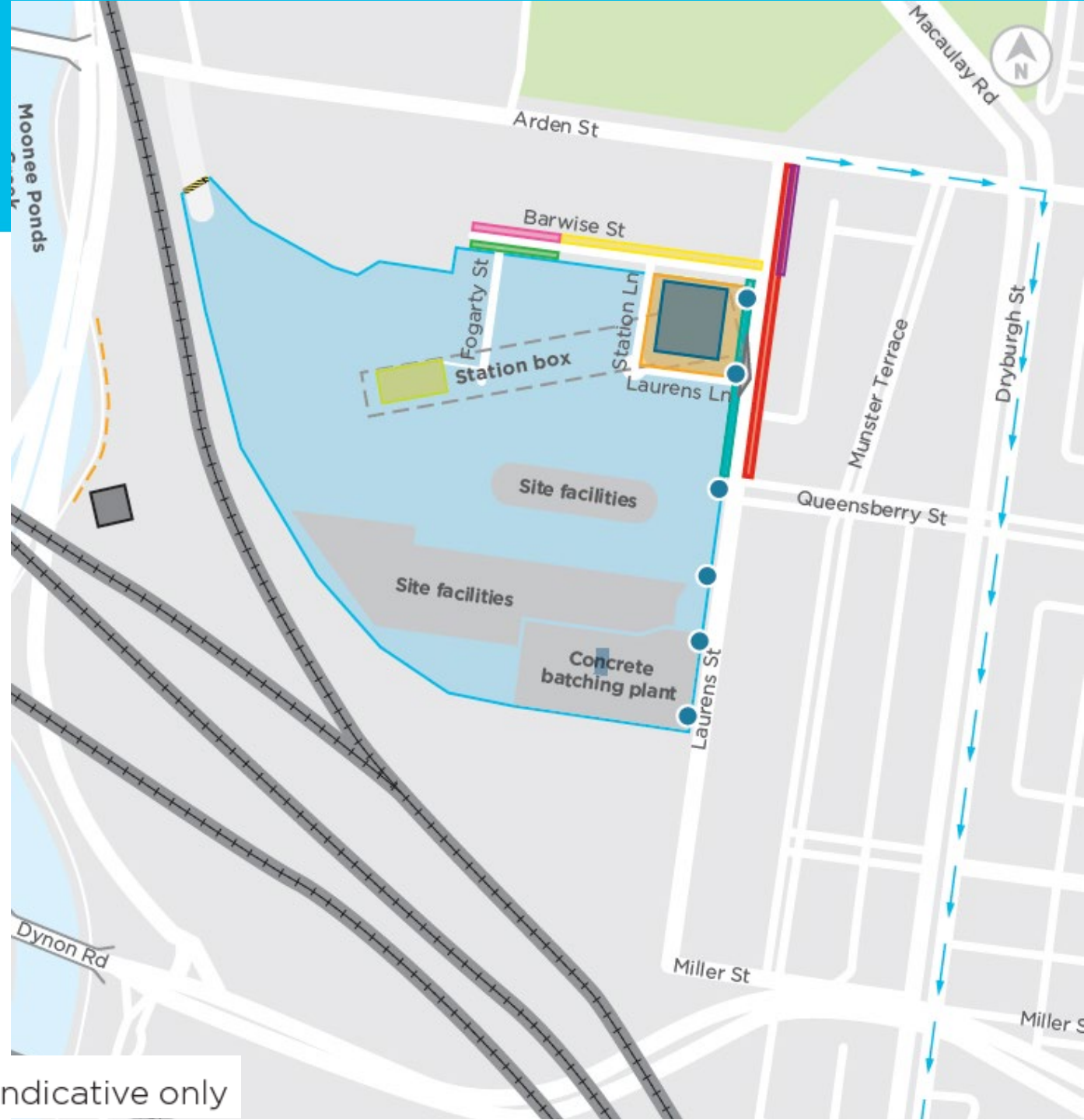
Presenter: Cameron Fields

Public realm works

Kerbing, road and landscaping timing

Legend

- Work site
- Site gate
- Services building construction
- Arden Station entrance construction
- Station terrace works
- Electrical substation worksite
- Urban realm works - temporary reduced width of shared path (mid-April-May)
- Kerb and road redevelopment - Barwise Street northeast (April-Sept)
- Kerb and road redevelopment - Barwise Street northwest (April-Sept)
- Kerb and road redevelopment - Barwise Street southwest (April-Sept)
- Kerb and road redevelopment - Laurens Street east between Arden and Barwise (Mar-Aug)
- Kerb and road redevelopment - Laurens Street east between Arden and Queensberry (May-Aug)
- Kerb and road redevelopment - Laurens Street west (Aug-Oct)
- Bus shelter outdent - Laurens Street west (Aug-Oct)
- Southbound bicycle detour via Dryburgh Street (April-Oct)



Indicative only

Six month program

North Melbourne



Activity	April	May	June	July	Aug	Sep
Surface and utility works						
Over track exhaust (OTE), platform screen doors and platform construction						
North Melbourne Electrical Substation construction and landscaping						
Laurens Street footpath and kerb works						
Barwise Street widening and footpath works						

Construction Update: Intake sub-station (ISS)

Intake Substation (ISS) Fencing and Landscaping



- Ground preparation landscaping works are underway for the ISS
- During fencing and landscaping works, short term width reductions of the shared use path may be required in this section
- TC's will maintain two way flow for cyclists and pedestrians
- Fencing foundation works to commence mid 2023
- Roof screen installation to be completed mid to late 2023
- Planting along Moonee Ponds Creek is expected to commence mid to late 2023
- The project is exploring the opportunity to hold a community planting day along Moonee Ponds Creek
- Further detail on the planting day will be provided to the Community Reference Group members when the planting schedule is confirmed and a suitable date has been identified.

Communications and Stakeholder Engagement Update: North Melbourne

Notifications and Communications

- North Melbourne: Barwise Street south - Public realm kerbing and roadworks (24 February)
- North Melbourne: Laurens Street east - Public realm redevelopment and kerb works (29 March)
- North Melbourne: Construction bi-monthly update (April to May 2023)

Door knocks, meetings, briefings and events

- North Melbourne: Barwise and Laurens Street trader doorknock – Barwise Street south and Laurens Street west works (24 February)
- North Melbourne: Barwise and Laurens Street trader doorknock – Laurens Street north-eastern works (29 March)
- North Melbourne: fortnightly meetings with City of Melbourne
- North Melbourne: Bicycle Network Victoria, North Melbourne Recreation Centre, North Melbourne Football club, (29 March – 4 April)
- North Melbourne: on-site stakeholder meetings, as required.



Construction Update: Parkville

Presenter: Tim Fleming

Grattan Street east

Grattan Street east

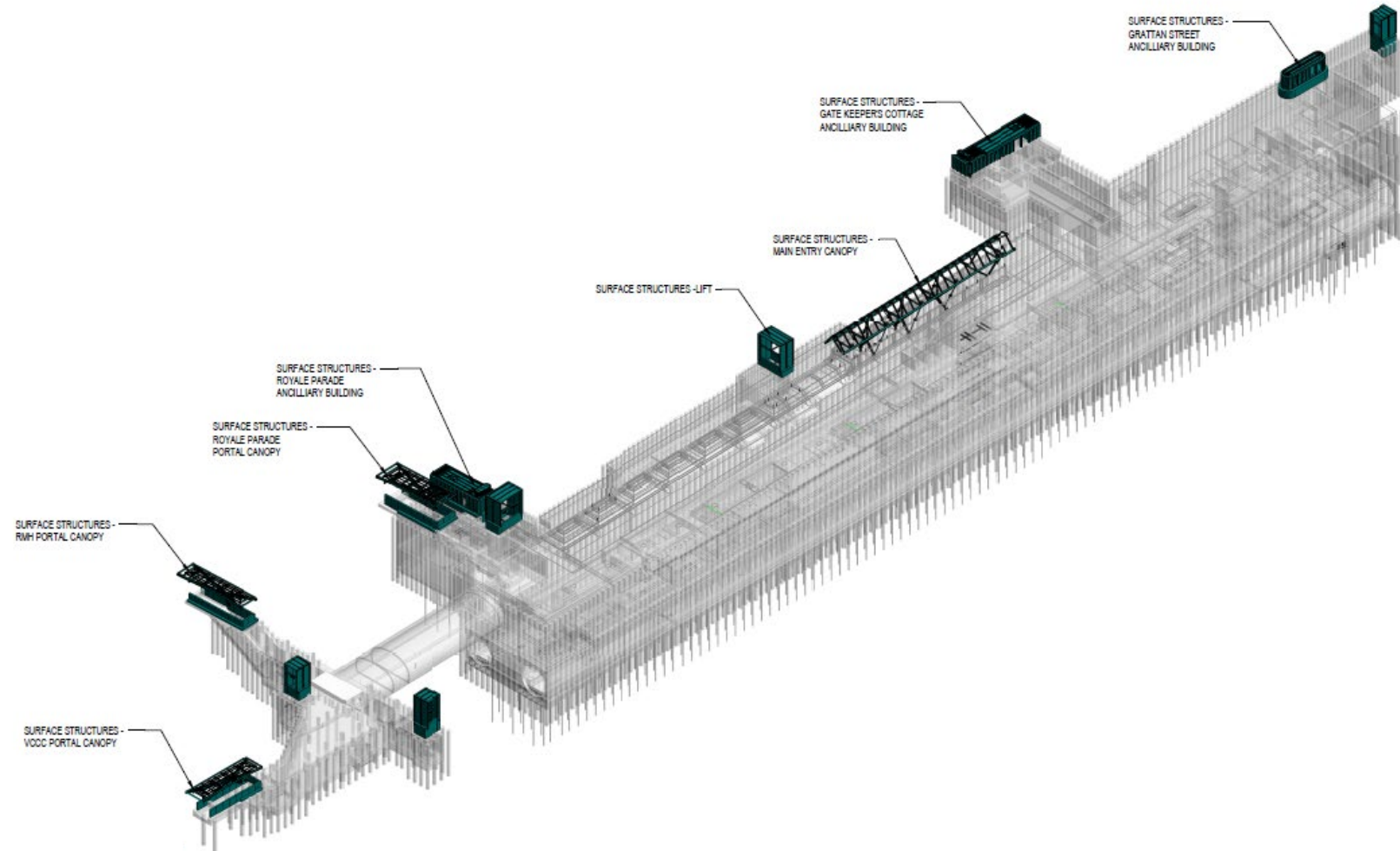


Aboveground structures – Grattan Street east

Surface works



- Grattan Street main entrance steel works are complete, with finishing works ongoing
- Royal Parade façade and roofing works have commenced
- Goods lift excavation is complete and structure works are underway
- North-east emergency exit area aboveground structures work is complete
- Skylight waterproofing and glazing works ongoing.



MEP and Fit Out Works

Station box (including the Royal Parade underpass)



- Fit out works are ongoing in the main box and involve the installation of blockwork walls and mechanical, electrical and plumbing (MEP) systems and architectural features (e.g., cladding)
- B3 level: architectural fit out is underway for back of house facilities. Fit out of switchboards and control panels for services is ongoing. Commissioning of services has commenced
- B4 level: architectural fit out (e.g., cladding, feature ceilings, stone flooring) is underway with around 70% of the fit out complete. Drum light installation is complete. Commissioning of services has commenced.



Drum lights

MEP and Fit Out Works

Station box (including the Royal Parade underpass)



- LV power and point-to-point testing is ongoing. These works involve the installation and verification of electrical circuits, with preparation to provide power to service units and plant in the coming months
- Fit out of the fourth lift is underway, with seven lifts remaining
- B2 level works include finishes and the fit out of the Royal Parade underpass through to the Grattan Street west area, including three escalator voids, inclusive of colour back glass, GRC, drum lights, ceilings and lozenges
- Areas continue to be handed over to the Rail Network Alliance to install rail equipment, services and communication rooms
- Station service commissioning has commenced.



Architectural lozenges

Secondary Boxes

Retail area, Royal Parade entrance, and northeast emergency area



Royal Parade entrance

- Internal fit out works to the entrance/exits are ongoing

Northeast emergency exit area

- Fit out works are ongoing

Retail area

- Blockwork is complete
- MEP fit out works ongoing

Goods lift

- Excavation is complete and struts are installed
- Permanent works have commenced with the lower pit pour complete.



Royal Parade underpass (facing west)

Chiller Plant and Tunnel Ventilation Shafts



Chiller plant

- Façade, internal walls and services fit out works are ongoing

Western TVS

- Structure works are ongoing

Eastern TVS

- Façade installation will commence in May.



Chiller plant structure

Capping beam removal

Surface works



Berkeley to Barry Street (southern side)

- Complete

Elizabeth to Berkeley streets

- Complete

TVS West

- Expected to be complete by late April

Grattan Street northern footpath, Royal Parade to adjacent Barry Street

- Ongoing.



Main entrance canopy

Grattan Street West

Station Entrance Construction

Belowground



- Ongoing works to complete structural connections at entrance portals
- Architectural and services fit out works are ongoing within the west box and Royal Parade underpass.



Royal Parade underpass (facing east)

Six Month Program

Parkville Precinct



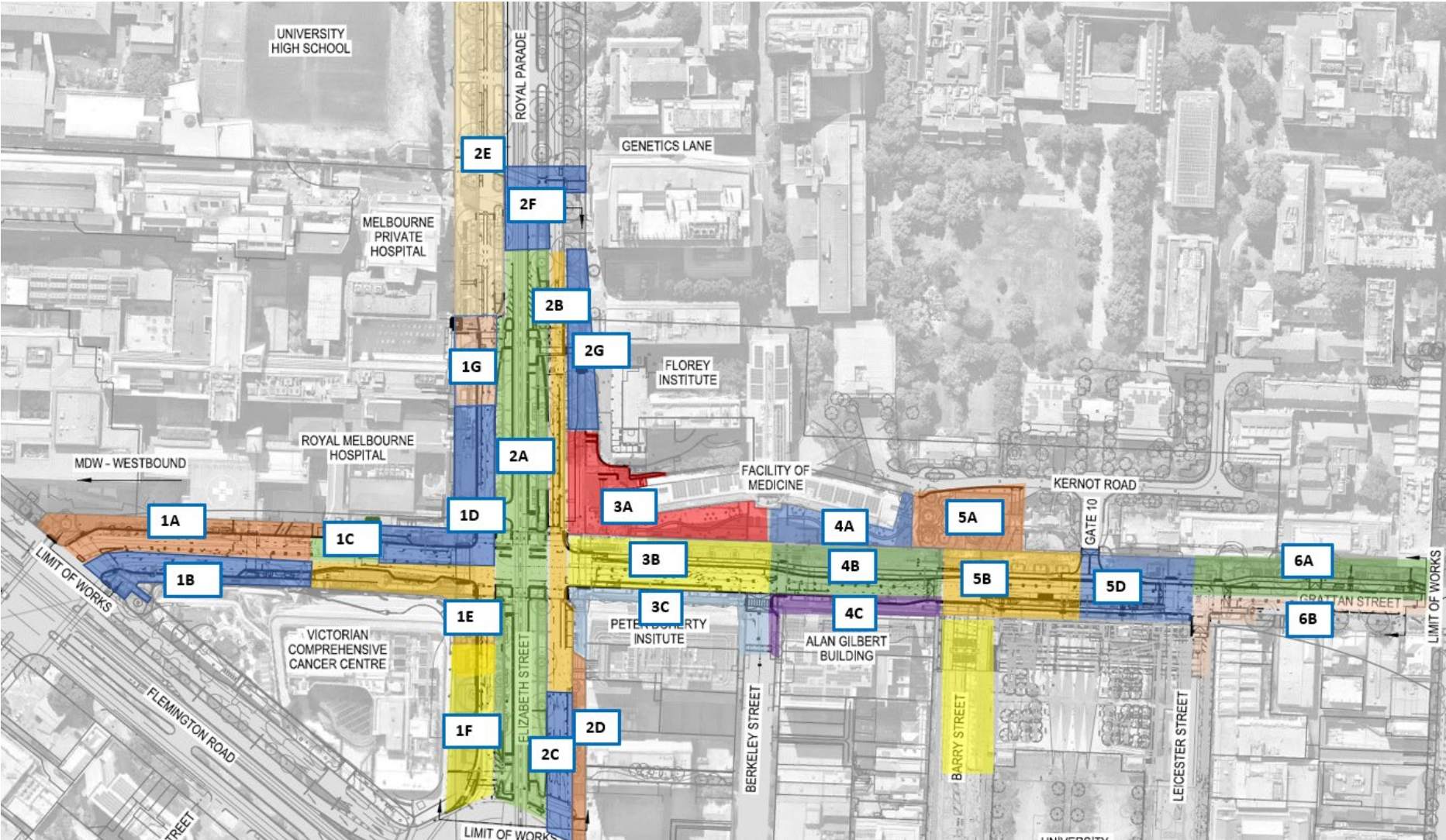
Activity	April	May	June	July	August	September
Station structure works and fit out						
Aboveground structures						
Staged capping beam and pile removal (intermittent)						
East TVS						
West TVS						
Chiller plant						
Goods lift						
Grattan Street West station entrances						
Reinstatement and urban realm works						
Stage 1D – Grattan Street West site						
Stage 1G – Royal Parade northbound						
Stage 2E – Royal Parade northbound						
Stage 6B – Grattan St (Leicester and Bouverie)						
Stage 1E – corner of Elizabeth & Grattan (Peter Mac)						
Stage 1F – Elizabeth St (Peter Mac)						
Stage 4C – Grattan St (Berkeley to Barry, Alan Gilbert Building)						
Stage 3C – Grattan St (Elizabeth to Berkeley, Doherty Institute)						
Stage 3A/4A – Grattan St northern footpath						

Program shows reinstatement and public realm works outside the boundaries of the Grattan Street East and Grattan Street West sites (with the exception of stage 1D)
Timing is indicative and subject to change.

Reinstatement and public realm works

Reinstatement and public realm works

Work stages

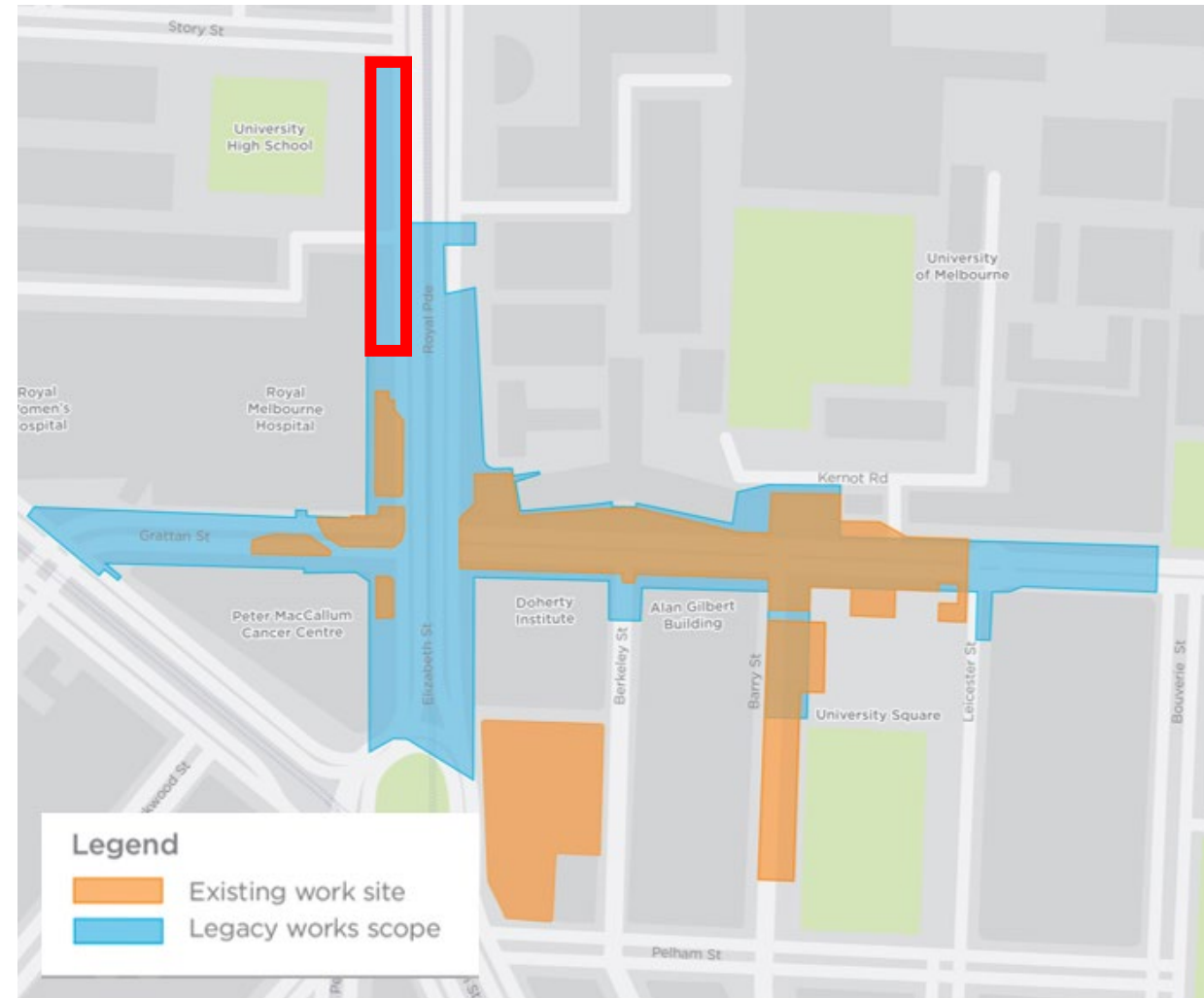


Stage 2E – Royal Parade northbound service lane

Reinstatement and public realm works



- Timing: Ongoing until late April 2023
- The work area includes:
 - Royal Parade northbound service lane between the RMH stroke ambulance driveway and Story Street
- Traffic and pedestrian changes:
 - Closure of the Royal Parade northbound service lane. Vehicles and cyclists will be directed into the inner lane
 - Ambulance access will be maintained at all times with minor changes
 - The Royal Melbourne Hospital car park access is maintained from Royal Parade.

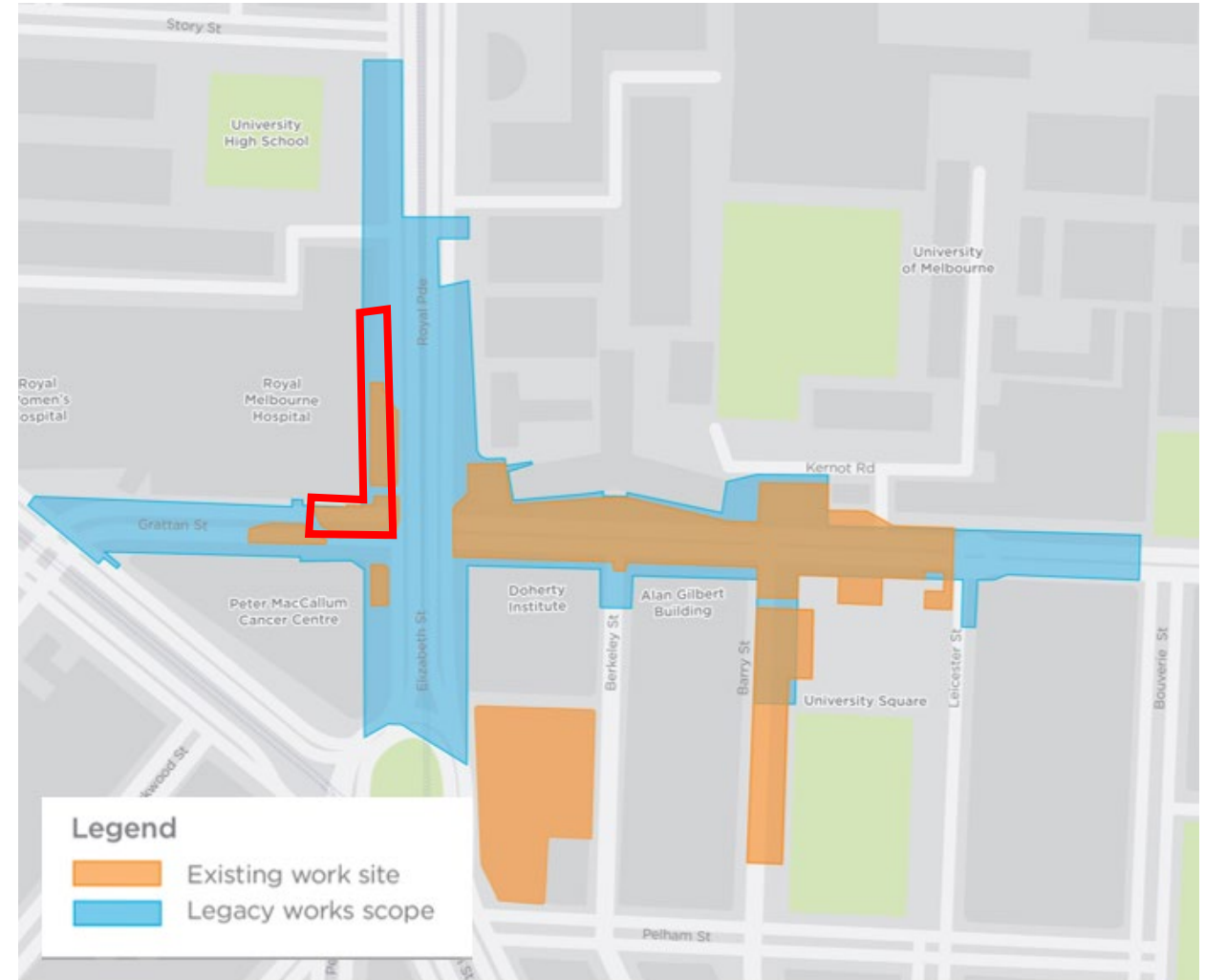


Stage 1D/1G – Grattan Street West and Royal Parade northbound lane

Reinstatement and public realm works



- Timing:
 - 1D: Ongoing until April/May 2023
 - 1G: Ongoing until April/May 2023
- The work area includes:
 - Grattan Street West site
 - Royal Parade northbound service lane between Grattan Street and the RMH stroke ambulance driveway
 - Royal Parade footpath
- Traffic and pedestrian changes:
 - Localised pedestrian diversions
 - Closure of the Royal Parade northbound service lane. Vehicles and cyclists will be directed into the inner lane
 - Access to the RMH car park maintained from the Royal Parade northbound inner lane
 - Ambulance access will be maintained at all times with minor changes.

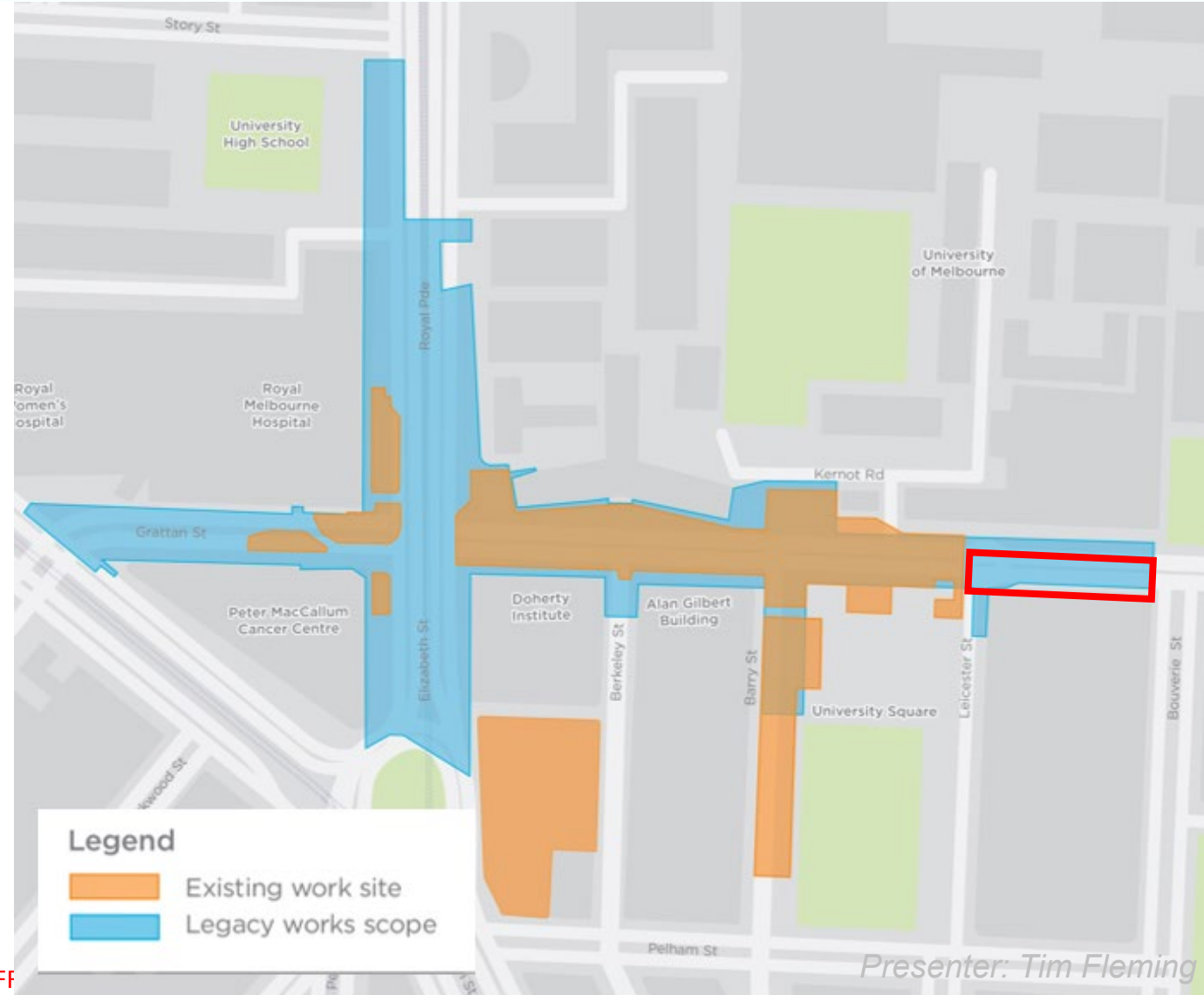


Stage 6B – Grattan Street between Leicester and Bouverie streets (south)

Reinstatement and public realm works



- Timing:
 - Ongoing until May 2023
- The works area includes:
 - The southern side of Grattan Street between Leicester and Bouverie streets
 - The footpath on the corner of Leicester and Grattan streets
- Traffic and pedestrian changes:
 - Eastbound traffic will be maintained
 - A pedestrian diversion will be in place on the corner of Leicester and Grattan streets
 - Opening of a crossing adjacent UoM Gate 10 and temporary closure of the Leicester Street crossing
 - Access to businesses and Graduate House will be maintained.



Presenter: Tim Fleming

Stage 1F – Elizabeth Street northbound service lane

Reinstatement and public realm works



- Timing:
 - Late March – Late April 2023
- The work area will include:
 - Elizabeth Street northbound service lane between the Haymarket roundabout RMH and Grattan Street
- Traffic and pedestrian changes:
 - Partial closure of the northbound service lane. Vehicles and cyclist access will be maintained
 - Access to the Peter MacCallum Cancer Centre loading bay will be facilitated
 - Peter MacCallum Cancer Centre pick-up/drop-off parking on Elizabeth Street will be temporarily relocated to Grattan Street.

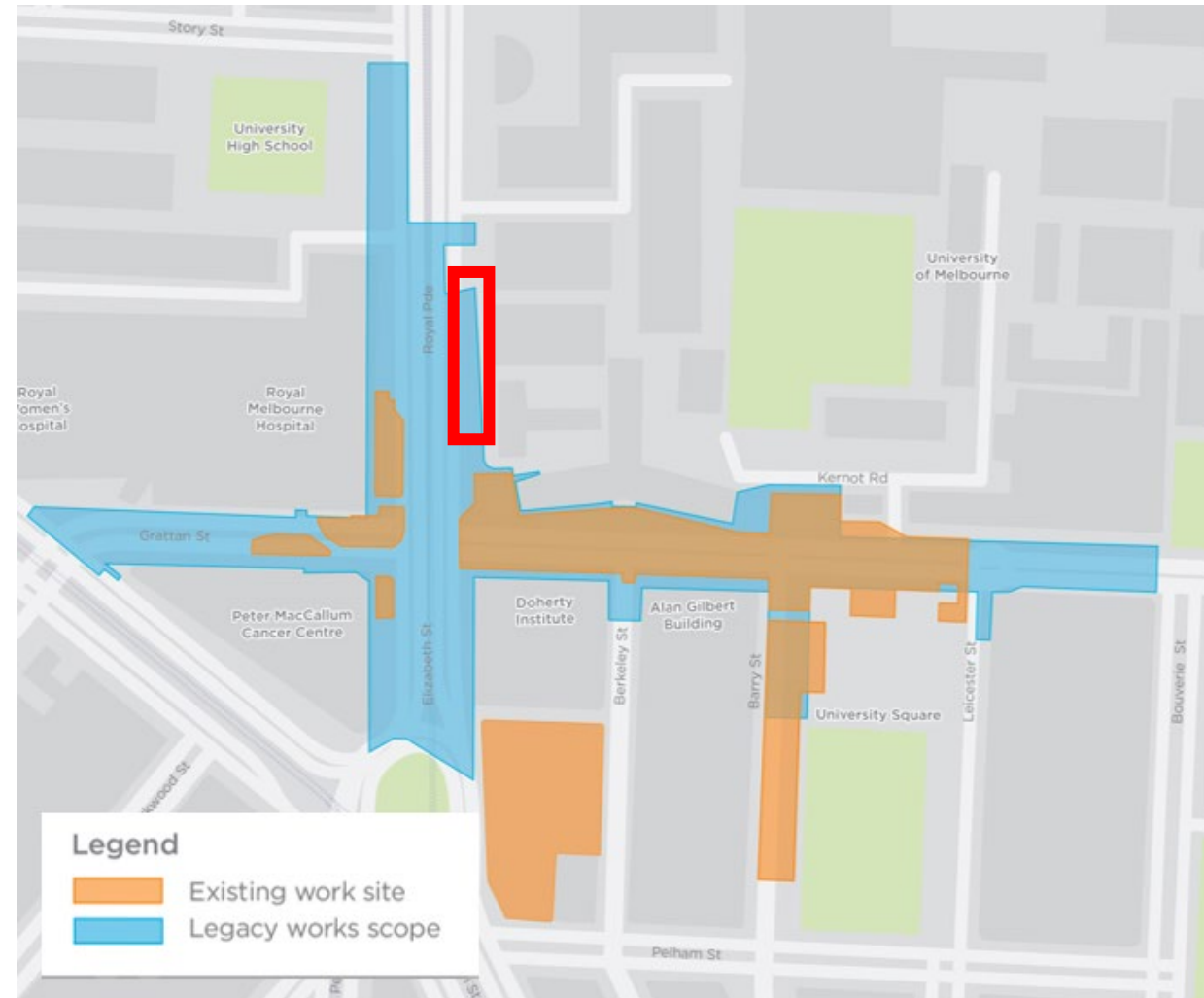


Stage 2G – Royal Parade southbound service lane

Reinstatement and public realm works



- Timing:
 - Mid-April – July 2023
- The work area will include:
 - Royal Parade eastern footpath between Genetics Lane and the Florey Institute
- Traffic and pedestrian changes:
 - Closure of the Royal Parade southbound service lane. Vehicle access will be maintained via the inner lane
 - Closure of the Royal Parade eastern footpath. Pedestrian access will be maintained via a diversion
 - Further detailed discussion with stakeholders will be undertaken and a works notification will be provided for these works.

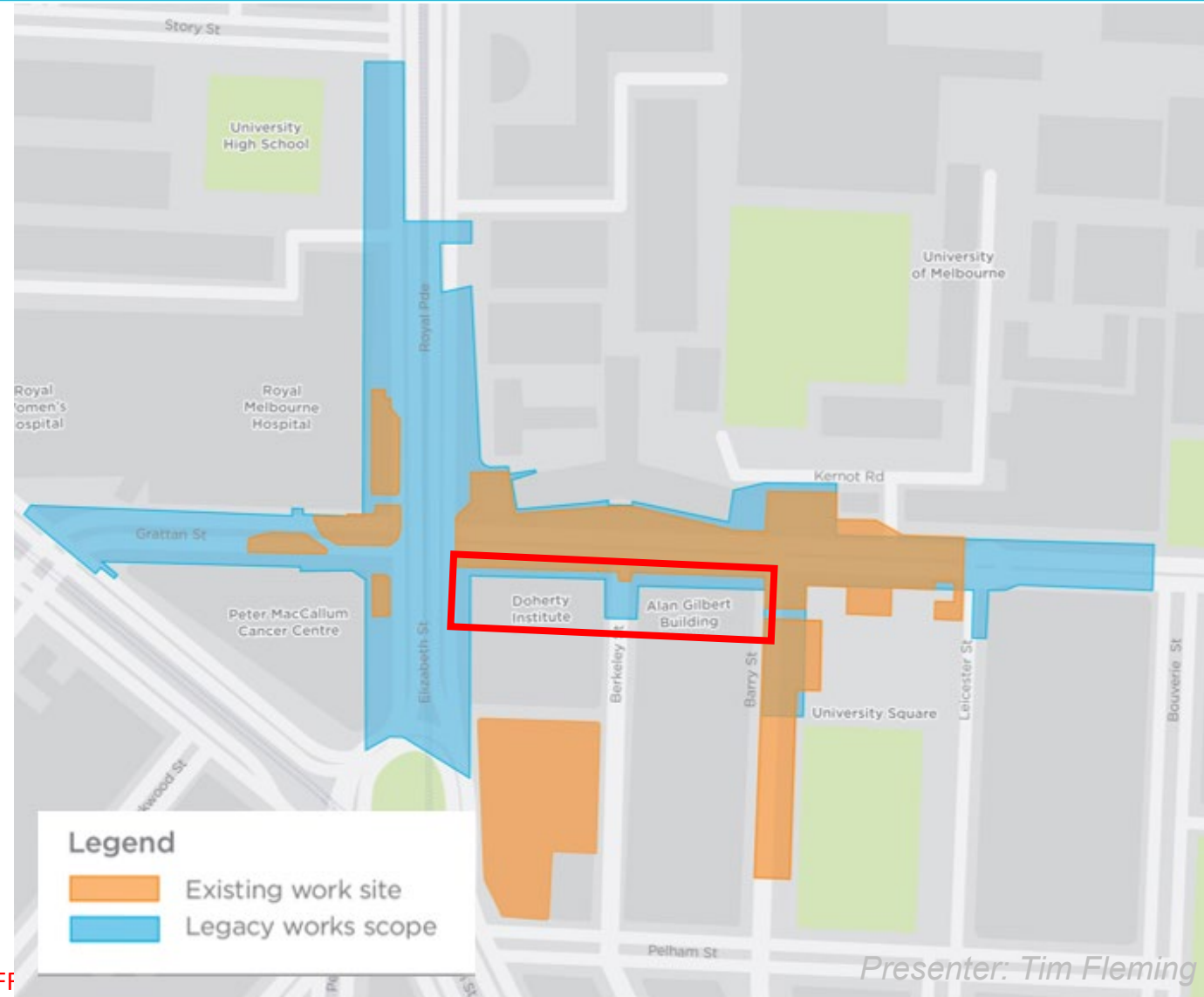


Stage 3C/4C – Grattan Street between Elizabeth and Barry streets

Reinstatement and public realm works



- Timing:
 - Early May 2023 – August 2023
- The works area will include:
 - The southern Grattan Street footpath between Elizabeth and Barry streets
- Traffic and pedestrian changes:
 - Pedestrian diversions will be implemented during stages of the works via Haymarket Walk, Barry Street and Pelham Street. Diversions will be staged to minimise disruption
 - Further detailed discussion with stakeholders will be undertaken and a works notification will be provided for these works.



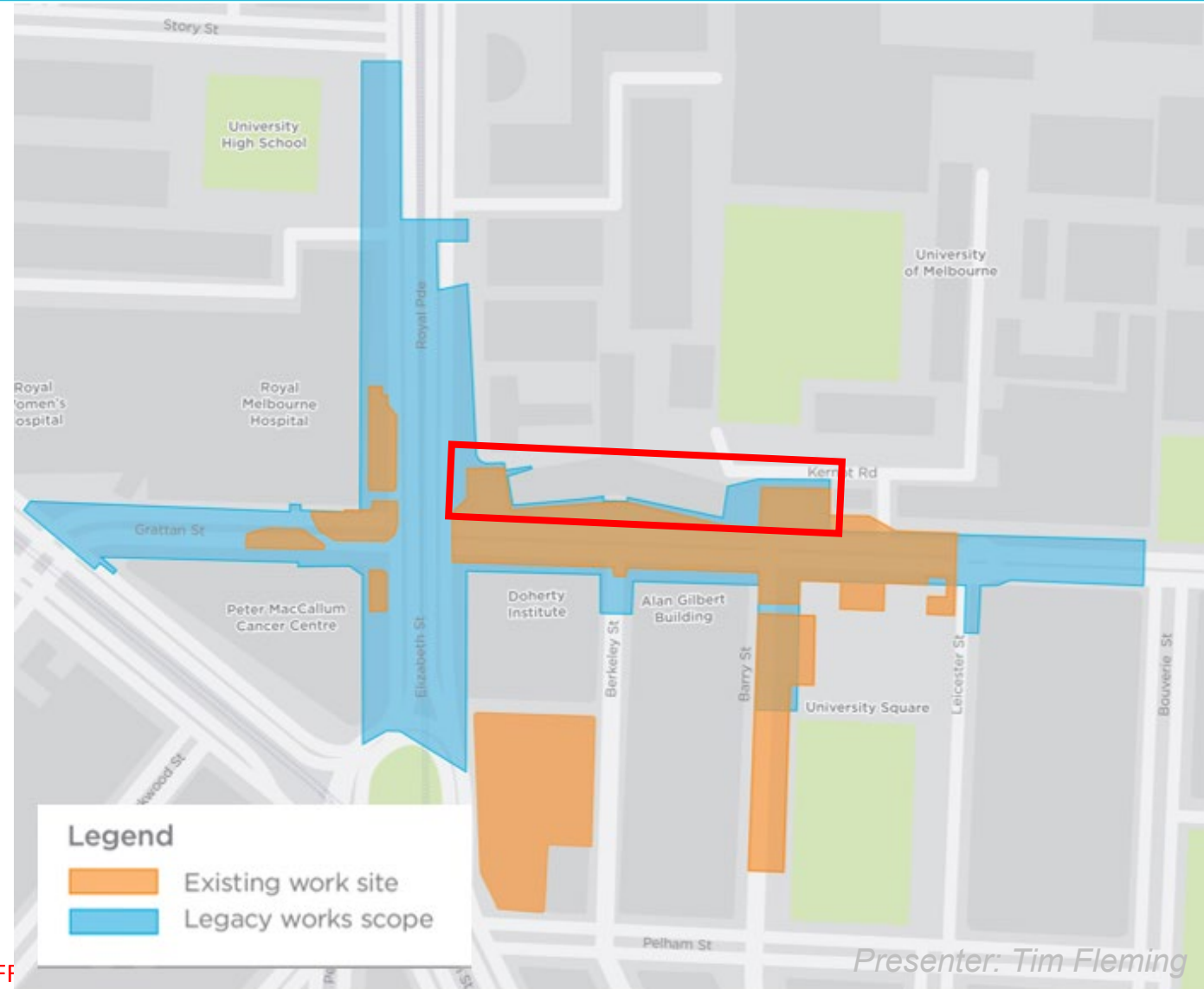
Presenter: Tim Fleming

Stage 3A/4A/5A – Grattan Street east between Royal Parade and the University of Melbourne medical building



Reinstatement and public realm works

- Timing:
 - May 2023 – October 2023
- The works area will include:
 - The northern Grattan Street footpath between Royal Parade and the eastern side of the University of Melbourne medical building
- Traffic and pedestrian changes:
 - Pedestrian diversions will be implemented during stages of the works. Diversions will be staged to minimise disruption
 - Access to the University of Melbourne medical building will be maintained
 - Further detailed discussion with stakeholders will be undertaken and a works notification will be provided for these works.



Presenter: Tim Fleming

Communications and Stakeholder Engagement Update: Parkville

Notifications and Communications

- Parkville construction update, February to March 2023 (6 February)
- Parkville, Reinstatement and public realm works Grattan Street, February to April 2023 (22 February)
- Parkville, Grattan St East pedestrian access, March 2023 (10 March)
- Parkville, Service investigation works, Grattan Street west, March to April 2023 (20 March)
- Parkville, Reinstatement and public realm works, Elizabeth Street, February to April 2023 (23 March)

Door knocks, meetings, briefings and events

- Fortnightly meetings with University of Melbourne, Melbourne Health, Peter MacCallum Cancer Centre and City of Melbourne
- Monthly meetings with Graduate House
- Meetings with key businesses in relation to legacy works

Ongoing and upcoming engagement

- Legacy works stages.

Other Business

Next meeting: Friday 9 June 2023