



## KENSINGTON & ARDEN COMMUNITY REFERENCE GROUP

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6 DECEMBER 2018

# ARDEN (NORTH MELBOURNE) PRECINCT UPDATE



# DISCUSSION ITEMS

**No items raised in advance of meeting**



# PROGRAM



# PROGRESS UPDATE

## Ongoing activities

- Site establishment activities
- Piling and diaphragm-wall (D-wall) construction (east box) – expected completion mid-December
- Station box excavation (west box) and installation of strutting
- Concreting of internal haul roads
- Surveying, and sampling/testing of groundwater and soil
- Early works for concrete batching plant

# STATION BOX EXCAVATION





# CONSTRUCTION LOOKAHEAD

## What's coming up (December – January)

- Installation of fencing and hoarding
- Connection of new sewerage and water lines to existing network (clearing of council drainage line from NatureLinks to site now complete)
- Arrival of office facilities
- Station box excavation (east box)
- Preparation for construction of base slab (west box)
- Construction of slurry treatment plant (for tunnel boring machine support)

# CONSTRUCTION PROGRAM

Activity	Dec	Jan	Feb	Mar
Site set up	Active	Active	Active	Active
D-wall construction	Active	Active	Active	Active
Piling	Active	Active	Active	Active
Excavation of station box (east & west)	Active	Active	Active	Active
Base slab construction	Active	Active	Active	Active
Hoarding/gate modification	Active	Active	Active	Active
Concrete haulage routes	Active	Active	Active	Active
Sewer & water connections	Active	Active	Active	Active





### Legend

- Work site
- Site gate
- Concrete batching plant construction
- Piling, D-wall construction and station box excavation
- Intermittent pedestrian/cyclist detours
- Slurry treatment plant construction
- Existing hoarding
- Hoarding installation

# TRAFFIC AND TRANSPORT

# TRAFFIC MANAGEMENT

- Intermittent closure of western footpath on Laurens Street, including closure of up to six on-street car parking spaces
  - Pedestrians and cyclists detoured to eastern side of road
  - Some traffic shuttle flow may be required
- Geofencing (GPS) to monitor contractor truck movements
- Shuttle flow and/or temporary lane closures may be associated with sewer and water connection works. Traffic flow will be maintained in both directions during these works
- Installation of new gate on Laurens Street (using existing driveway) at southern end of site for concrete batching plant



# ENVIRONMENTAL MANAGEMENT

# OUT OF HOURS WORKS

## **Night works (10pm – 7am, Monday to Friday)**

- Excavation or installation of struts (station box)
  - Attended monitoring has been undertaken (ongoing)
- Results
  - Excavation = change of plant
  - Strutting = change of tools
- Laurens/Queensberry St – mainly inaudible due to other noise sources i.e. traffic



# COMMUNITY UPDATE



# TOP ISSUES

## **Key issues raised during November**

- Dirt and mud on local streets, particularly Arden Street
  - Increased use of street sweeper
  - Installation of rumble grids
  - Internal haul road concreting (ongoing)

# OUT OF HOURS WORKS

## Residential door knocks

- Proactive 'health check' door knocks to residents in Arden precinct w/c 26 November
- Approx. 576 properties visited and notifications delivered, 246 properties door knocked and approx. 50 conversations had
- Key themes: positive project sentiment, some mentions of dust/dirt on roads, noise generated from works





**OTHER ITEMS?**



# CRG 2019



# 2018 WRAP-UP

The Metro Tunnel Project thanks the Kensington and Arden CRG members for your valuable contributions this year

## **Key topics in 2018**

- Information sharing with the Victorian Planning Authority, City West Water and the West Gate Tunnel Project
- Detailed analysis of traffic management in Kensington and North Melbourne
- Extensive discussion of environmental modelling and mitigation strategies



# UPDATED GROUPS IN 2019

- Standalone CRG established for Kensington
- Combined Arden and Parkville CRG formed
- All CRGs to continue covering construction, environment, traffic management and other updates as required
- Further information to be distributed to members shortly

# METRO TUNNEL COMMUNITY REFERENCE GROUP (CRG) ARDEN AND PARKVILLE 2019 CALENDAR



VENUE: The Larwill Studio  
48 Flemington Road Parkville 3052

TIME: 7.30am - 9.30am

## JANUARY 2019

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## JUNE 2019

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# METRO TUNNEL COMMUNITY REFERENCE GROUP (CRG) KENSINGTON 2019 CALENDAR



VENUE: Bill Vanina Pavilion  
1A Childers St Kensington VIC 3031

TIME: 8.00am - 9.30am

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# KENSINGTON (WESTERN PORTAL) PRECINCT UPDATE



# DISCUSSION ITEMS

**No items raised in advance of meeting**





# PROGRAM

# PROGRESS UPDATE

## Ongoing activities

- Car park construction on Hobsons Road
- Lloyd Street cross passage ground improvement works – site establishment and utility works
- Gas main protection works (Childers Street) – expected completion 14 December
- Removal of rail-side piling pad and construction of road-side piling pad (incl. use of vibrating roller from w/c 10 December)
- Redundant utility removal Childers Street and Lloyd Street



# PILE BREAK BACK WORKS

# HOBSONS ROAD SITE





# CONSTRUCTION LOOKAHEAD

## What's coming up (December – January)

- Road-side piling
- Cross passage ground improvement works – McLennan Drive
- Installation of project hoarding adjacent to Childers St, including non-destructive digging
- Utility works, including non-destructive digging (Lloyd Street, Childers Street and McLennan Drive)
- Site preparation and establishment activities on Childers Street

# CONSTRUCTION LOOKAHEAD

## What's coming up (December – January) cont.

- Service and site investigations on Childers Street (alongside rail corridor and within JJ Holland Park)
- Water pump testing within the Childers Street work site - continuous 24 hour period starting evening of 13 December
- 24 hour works in rail corridor from 9pm Saturday 19 to 4am Monday 21 January (low impact site and service investigations, installation of foundations for new overhead structures )

# CONSTRUCTION PROGRAM

Activity	Dec	Jan	Feb	Mar
Childers Street site establishment and start of long-term closure				
Cross passage ground improvement (Lloyd St)				
Site and service investigations				
Hobsons Road site establishment				
Gas main protection works				
Piling (road side)				
Cross passage ground improvements (LSBE)				
Offset car park construction				
Rail corridor signalling relocation works				
Temporary retaining wall (Childers Street)				

# TRAFFIC AND TRANSPORT





# TRAFFIC MANAGEMENT

- Relocation of Childers Street pedestrian crossing to eastern side of turning area – completed 26 November
- Temporary over-height vehicle detour via Derby/Tennyson Streets: 26 November – 14 December (average of 50 over-height vehicle movements per day)
- Next use of detour will be required for some low-side piling activities from January onwards
- Altona Street cyclist detour – due to be complete mid-December (ongoing discussions with Bicycle Network Victoria)
- No bicycle lane on Lloyd Street during cross passage ground improvement works

# TEMPORARY DETOUR





# TRAFFIC MANAGEMENT

## **Childers Street stage two closure**

- Closure of the shared-user path on southern side of Childers Street from early January
- Closure of all Childers Street parking spaces in January, 126 temporary parking spaces will be ready for use on Hobsons Road
- Wayfinding signage to be installed along Childers Street
- Over height vehicle access to Lloyd Street Business Estate maintained



# TRANSPORT CHANGES

## **Rail corridor 24 hour works**

- Buses will replace trains from 9pm, Saturday 19 January until the first service Monday 21 January on the following lines:
  - Sunbury line: Between North Melbourne and Sunshine
  - Werribee and Williamstown lines: Between North Melbourne, Newport and Williamstown.





# ENVIRONMENTAL MANAGEMENT

# MODELLING AND ANTICIPATED IMPACTS

## **Pile break back works**

- KCCC (criteria 70 dBA)
  - Modelled: 59 dBA
  - Attended monitoring result (highest): 60 dBA
- Closest residential property
  - Modelled: 72 dBA
  - Attended monitoring result (highest): 66 dBA



# MODELLING AND ANTICIPATED IMPACTS

## Upcoming works

- Installation of hoarding (including non-destructive digging)
- Piling pad construction (including roller)
- Road side piling





# COMMUNITY UPDATE

# TOP ISSUES

## Key issues raised during November

- Use of turning area for construction vehicle holding
  - Update communicated to nearby residents
- Work commencing prior to 7am
  - Raised at pre-starts
- Street parking on Hobsons Road
  - Raised at pre-starts
  - Expansion of available staff parking within work site
- Dust around Hobsons Road site
  - Water carts on site
  - Car park will be asphalted by end of year



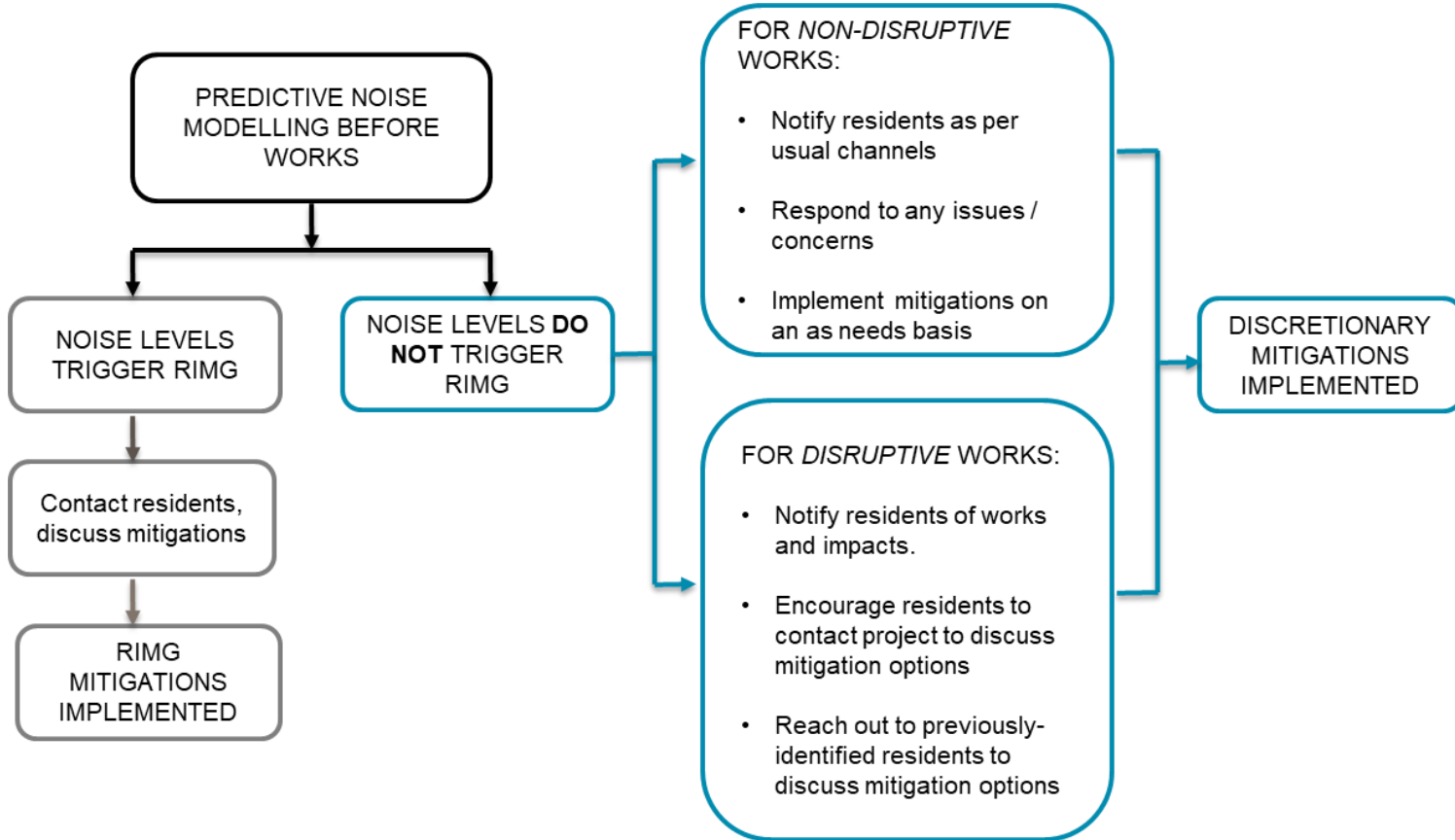
# IN THE COMMUNITY

- Childers Street closure/Derby Street detour door knocks
- Proactive offering and management of respite and relocation for pile break back works
- Regular stakeholder briefings
- Ongoing works activity communications with adjacent residents
- Property condition surveys starting in January for properties in the western side of the precinct

# MANAGING CONSTRUCTION NOISE

- Noise is a subjective issue and affects people differently, there is **no one size fits all** approach which addresses all concerns and circumstances
- Remaining in the home during construction is usually in the best interest of all parties and every effort will be taken to design out or mitigate noise at the source and adequately inform / shape team and workforce behaviour and attitudes towards management of construction noise
- Approved standards and guidelines (RIMG, EPA's guidelines) along with current best practice approaches being applied on similar projects inform our management of construction noise
- Every effort will be made to consider and investigate solutions for residents experiencing duress as a result of construction air borne noise.

# MANAGING CONSTRUCTION NOISE





# RIA DESIGN DEVELOPMENT

# RIA DEVELOPMENT PLAN

TIMING	STEP
OCTOBER 2018	Early engagement with stakeholders and the community to understand values and expectations
NOVEMBER 2018	Progress development of concept designs
DECEMBER 2018	Targeted community workshop to seek feedback on concept designs
JANUARY 2019	Present urban designs to community group leaders (as will be presented in the Development Plan)
FEBRUARY 2019	Plans released for public display (15 business days)
MARCH – APRIL 2019	Collate and respond to public submissions
MID 2019	Anticipated approval from Minister of Planning



**OTHER ITEMS?**





Western Portal

North Melbourne

Parkville

South Kensington

West Melbourne

State Library

The existing 'North Melbourne' station will be renamed West Melbourne.

Melbourne Central

Parliament

Flagstaff

Town Hall

Southern Cross

Flinders Street

Richmond

Anzac

South Yarra

Eastern Portal

Cranbourne / Pakenham Line

Sunbury Line