

ENVIRONMENT EFFECTS STATEMENT

Map book



Authorised and published by the
Victorian Government, 1 Treasury Place, Melbourne

NORTH EAST LINK PROJECT

EES map book

The North East Link alignment and its key elements assessed in the Environment Effects Statement (EES) include:

- **M80 Ring Road to the northern portal** – from the M80 Ring Road at Plenty Road, and the Greensborough Bypass at Plenty River Drive, North East Link would extend to the northern portal near Blamey Road utilising a mixture of above, below and at surface road sections. This would include new road interchanges at M80 Ring Road and Grimshaw Street.
- **Northern portal to southern portal** – from the northern portal the road would transition into twin tunnels that would connect to Lower Plenty Road via a new interchange, before travelling under residential areas, Banyule Flats and the Yarra River to a new interchange at Manningham Road. The tunnels would then continue to the southern portal located south of the Veneto Club.
- **Eastern Freeway** – from around Hoddle Street in the west through to Springvale Road in the east, modifications to the Eastern Freeway would include widening to accommodate future traffic volumes and new dedicated bus lanes for the Doncaster Busway. There would also be a new interchange at Bulleen Road to connect North East Link to the Eastern Freeway. The project would also include improvements to pedestrian connections and the bicycle network through connected cycling and walking paths.

The project would also improve existing bus services from Doncaster Road to Hoddle Street through the Doncaster Busway as well as pedestrian connections and the bicycle network with connected walking and cycling paths from the M80 Ring Road to the Eastern Freeway.

The EES map book shows the North East Link Project design and its key elements across three types of plans:

- **Horizontal alignment plans** showing at each page opening the construction phase of the project (left side) and the operation phase of the project (right side)
- **Vertical alignment plans** showing the relative level of the project infrastructure above and below surface level
- **Indicative cross sections** showing graphical illustration of indicative cross sections along the project corridor

The proposed project boundary encompasses the key locations that would be used for permanent structures and temporary construction work sites (above and below ground). Further details of construction and operation are described in Chapter 8 Project description.

The project boundary often aligns to registered property boundaries, and in some locations, this appears to impact private property. However this is often a result of the of the aerial background and cadastral boundary being misaligned.

The North East Link alignment shown in this map book outlines one feasible means by which the project could be designed, constructed and operated.

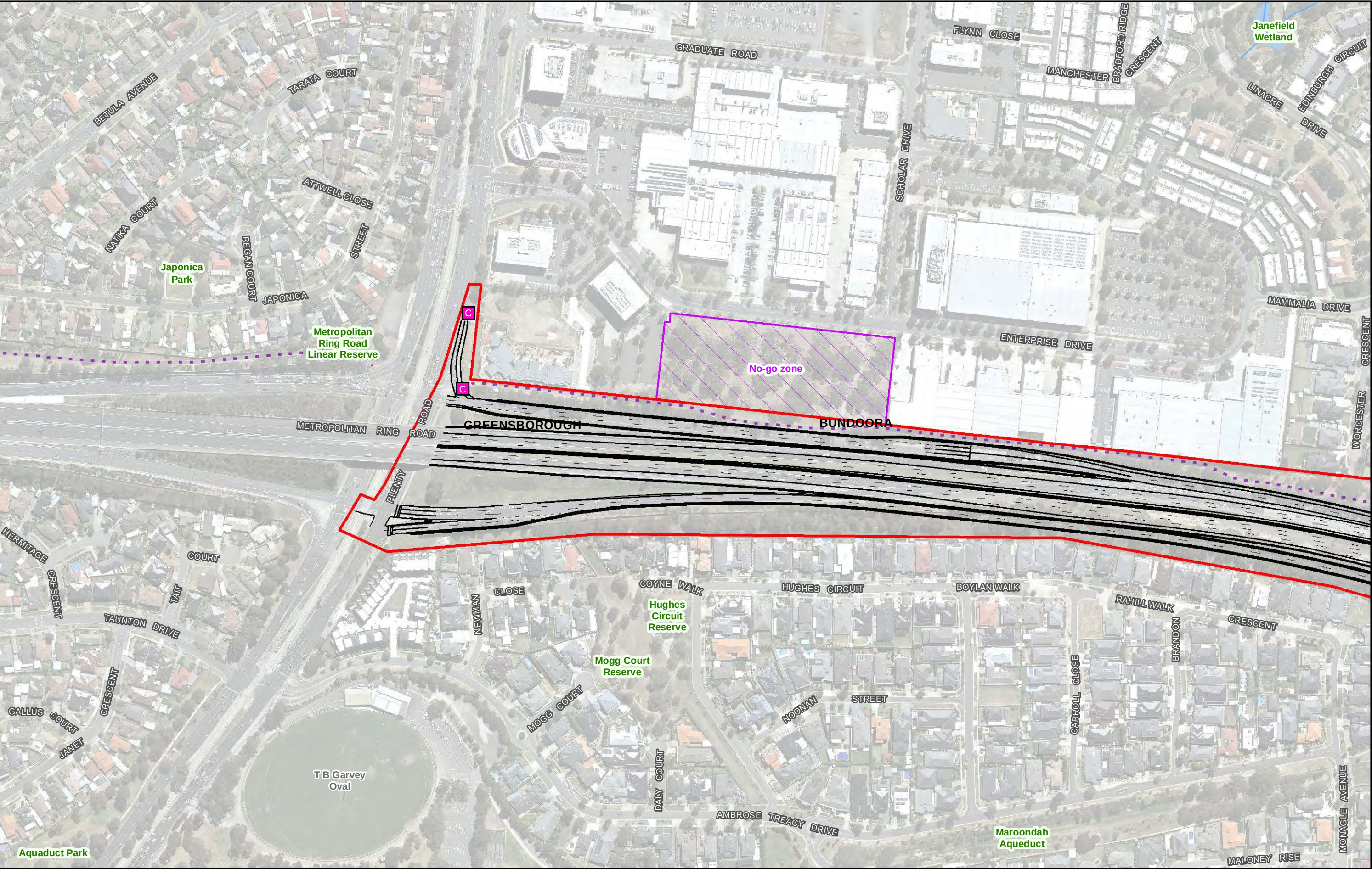
The EES is based on the reference project illustrated in this map book. As the design and consultation with stakeholders for the project is ongoing, components of the project design as shown in this map book may change.











012.5255075100

Metres

Map Projection: Transverse Mercator

Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

N

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018

Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Legend

Project boundary – surface works

Existing shared use path

Existing communications tower

No-go zone

Proposed road alignment

North East Link Project

Horizontal plan: construction

Reference Design

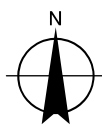
Sheet 1 of 42

Date: 05 Mar 2019



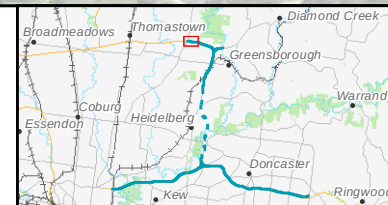
0 12.5 25 50 75 100
Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Legend

- Proposed road alignment
- Proposed surface road
- Proposed noise wall
- Proposed communications tower
- Existing shared use path



North East Link Project
Horizontal plan: operation
Reference Design

Sheet 1 of 42

Date: 05 Mar 2019



0 12.5 25 50 75 100
Metres
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

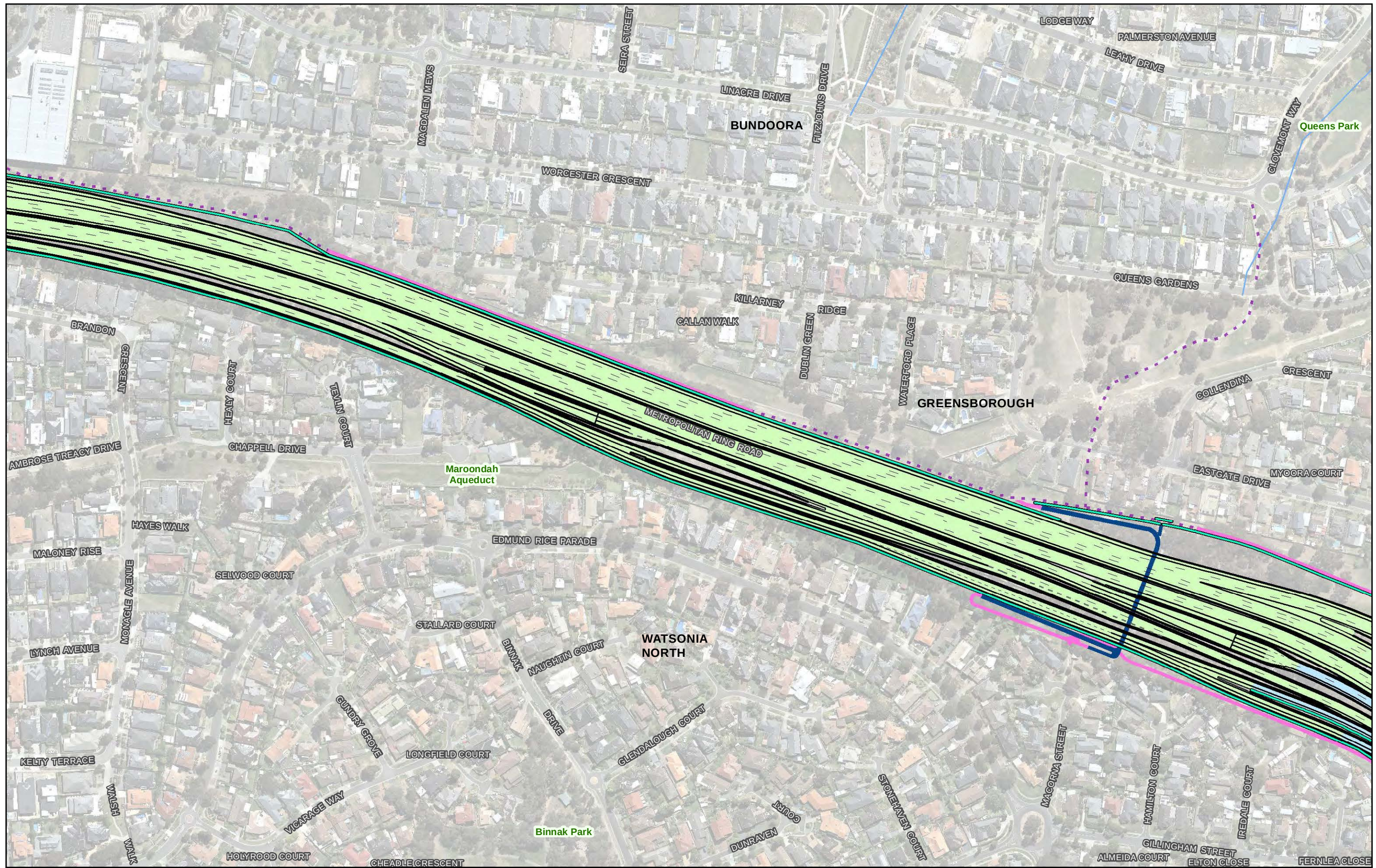
Legend

- Project boundary – surface works
- Proposed road alignment
- Existing shared use path

North East Link Project
Horizontal plan: construction
Reference Design

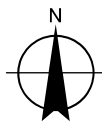
Sheet 2 of 42

Date: 05 Mar 2019



0 12.5 25 50 75 100
Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Legend

— Proposed road alignment

— Proposed noise wall

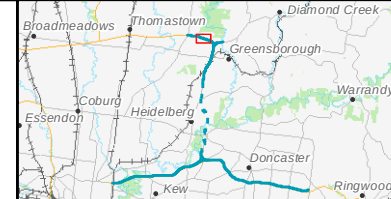
— Proposed shared use path
overpass

— Proposed shared use path

— Existing shared use path

— Proposed elevated ramp or
structure

— Proposed surface road



North East Link Project
Horizontal plan: operation
Reference Design

Sheet 2 of 42

Date: 05 Mar 2019



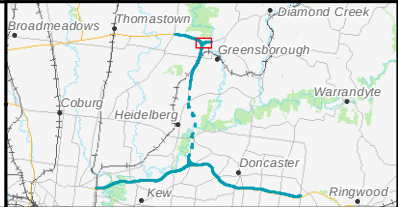
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Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Legend

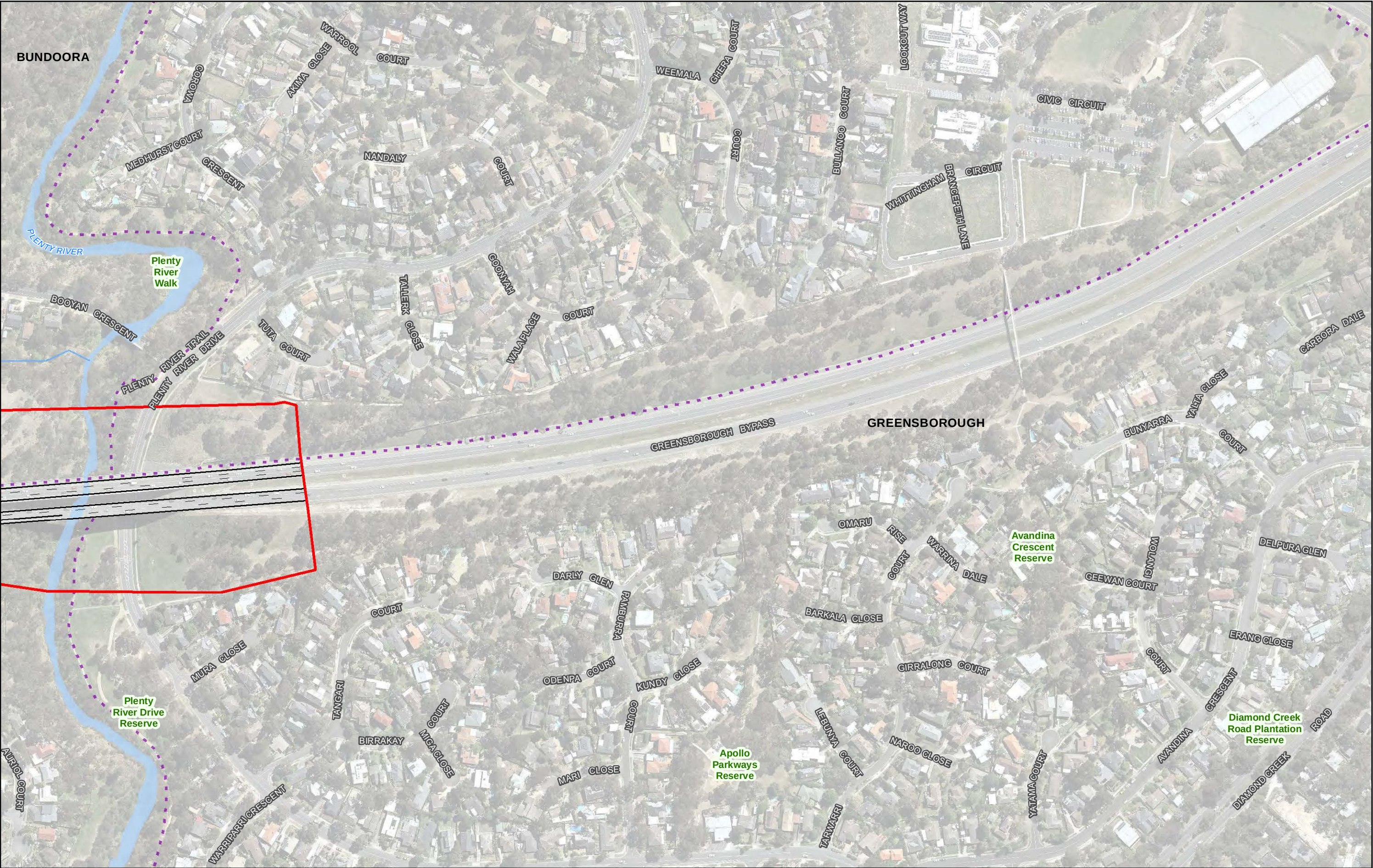
- Project boundary – surface works
- Indicative area of potential construction compound
- Proposed road alignment
- Existing shared use path
- Existing communications tower



NORTH EAST LINK PROJECT

North East Link Project
Horizontal plan: construction
Reference Design

Sheet 3 of 42 Date: 05 Mar 2019



012.5255075100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Legend

Project boundary – surface works

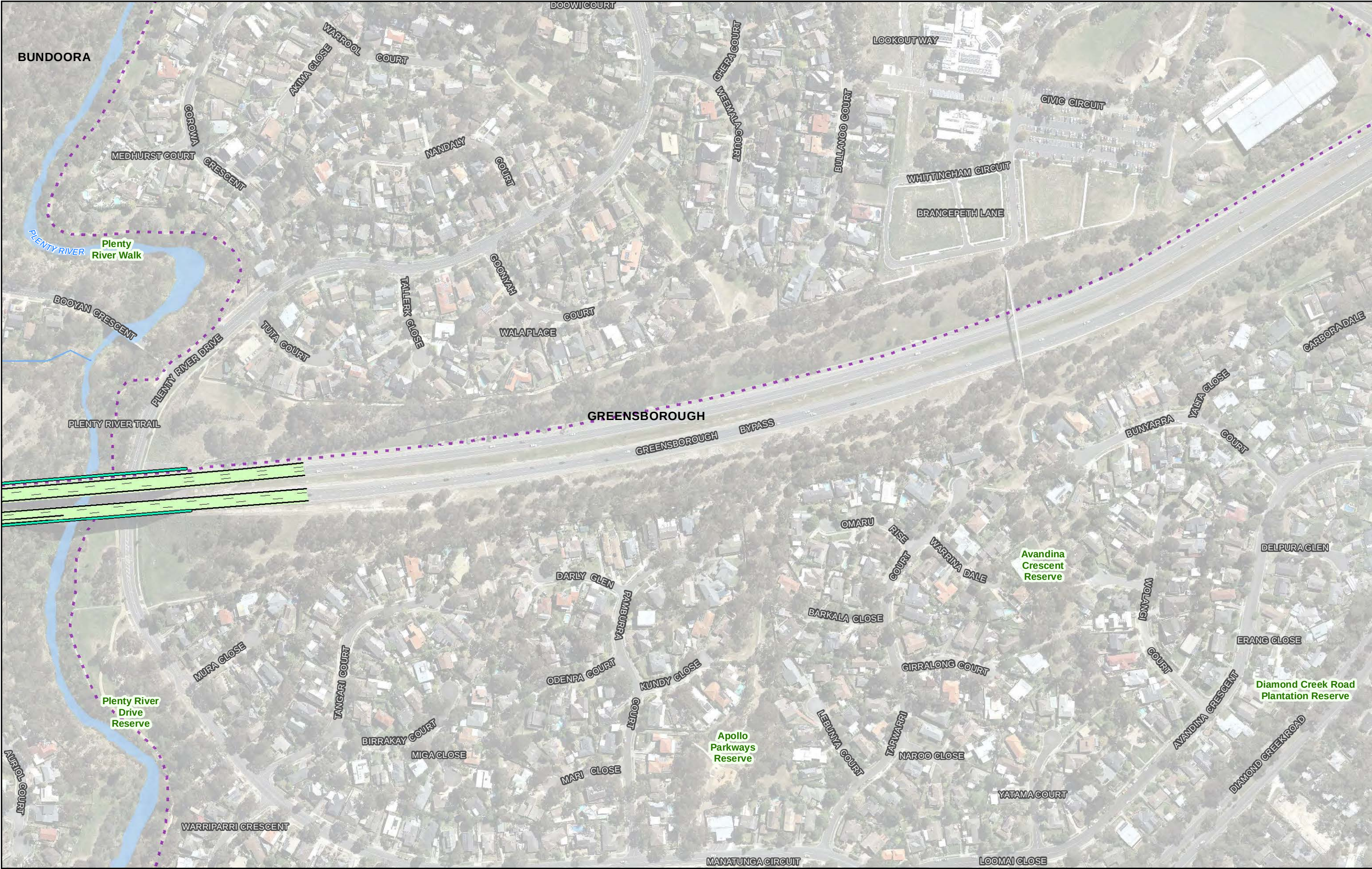
Existing shared use path

**NORTH
EAST
LINK**
PROJECT

North East Link Project
Horizontal plan: construction
Reference Design

Sheet 4 of 42

Date: 05 Mar 2019



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

— Proposed road alignment

— Proposed noise wall

— Existing shared use path

Proposed surface road

Broadmeadows

Thomastown

Diamond Creek

Greensborough

Warrandyte

Coburg

Heidelberg

Essendon

Doncaster

Kew

Ringwood

NORTH
EAST
LINK
PROJECT

North East Link Project

Horizontal plan: operation

Reference Design

Sheet 4 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



012.5255075100

Metres

Map Projection: Transverse Mercator

Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

N

North arrow pointing up

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018

Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Legend

Project boundary – surface works

Project boundary – minor works

Proposed road alignment

Existing shared use path

North East Link Project

Horizontal plan: construction

Reference Design

Sheet 5 of 42

Date: 05 Mar 2019



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed noise wall

Proposed shared use path overpass

Proposed shared use path

Proposed shared use path underpass

Existing shared use path

Proposed elevated ramp or structure

Proposed surface road

Broadmeadows

Thomastown

Diamond Creek

Essendon

Heidelberg

Doncaster

Kew

Ringwood

Warrandyte

Greensborough

NORTH EAST LINK PROJECT

North East Link Project

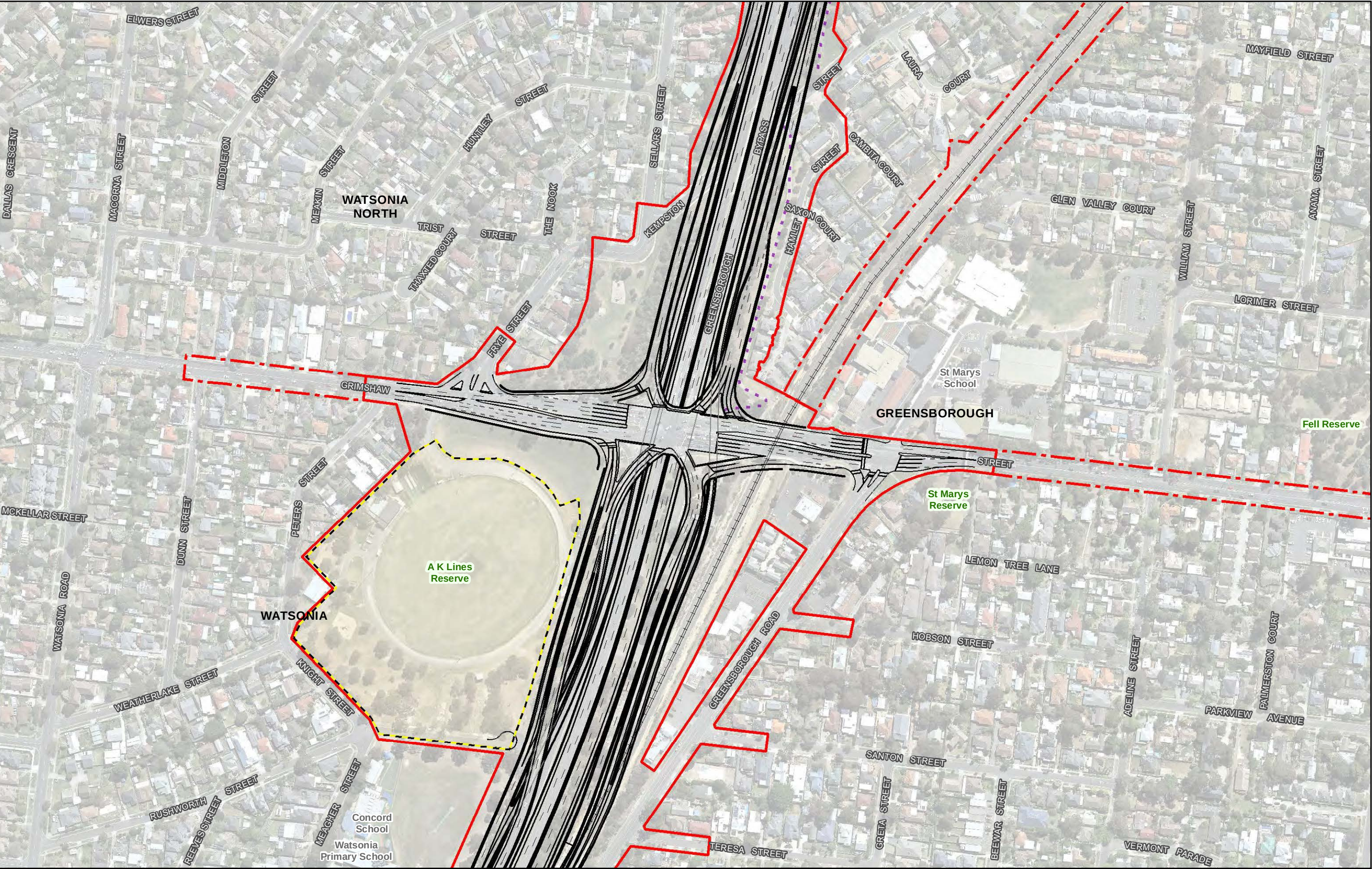
Horizontal plan: operation

Reference Design

Sheet 5 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



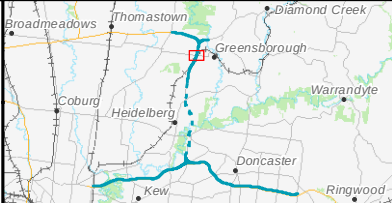
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Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

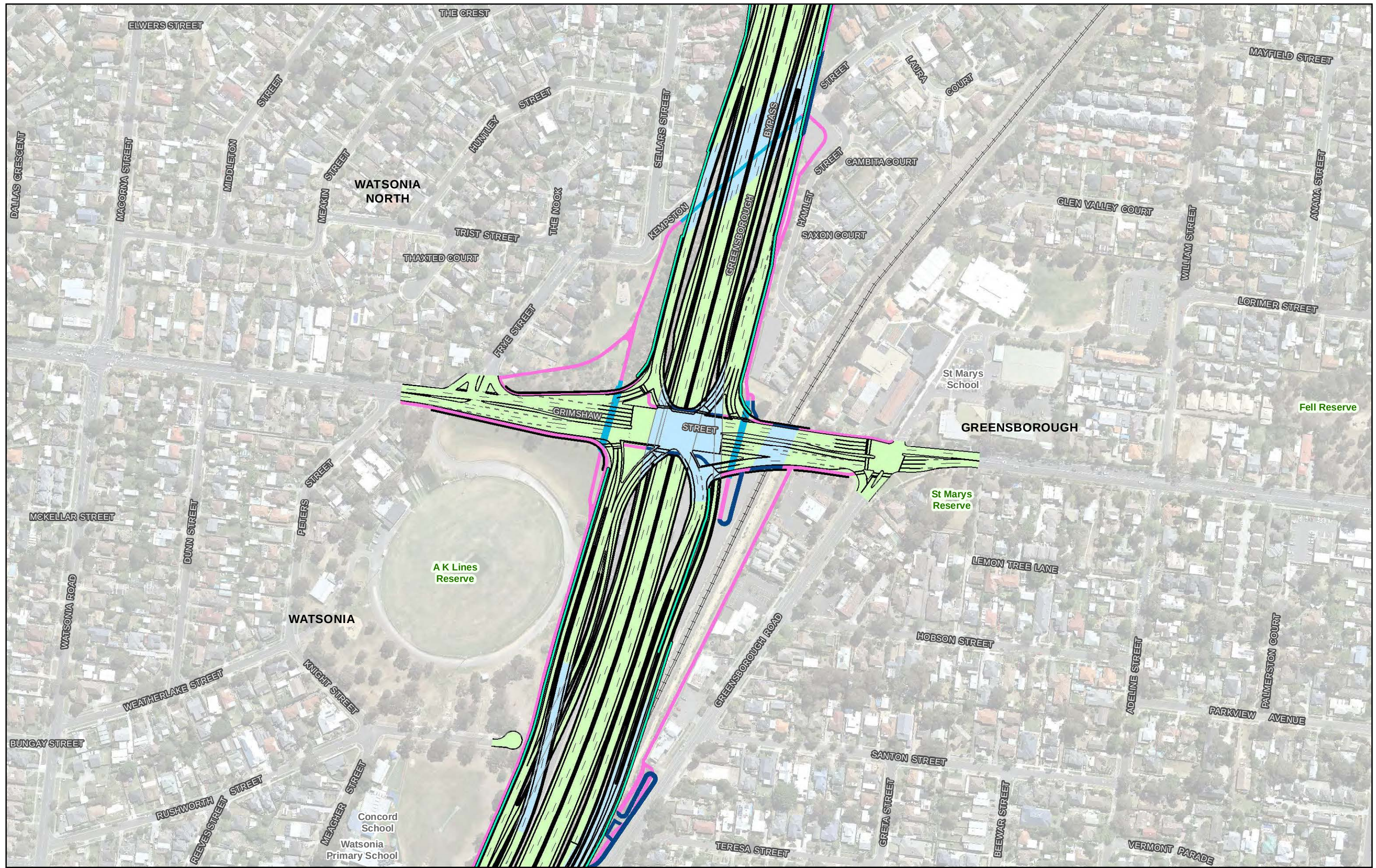
Legend

	Project boundary – surface works		Indicative area of potential construction compound
	Project boundary – minor works		Proposed road alignment
			Existing shared use path



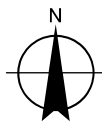
North East Link Project
Horizontal plan: construction
Reference Design

Sheet 6 of 42	Date: 05 Mar 2019
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0 12.5 25 50 75 100
Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Legend

— Proposed road alignment

— Proposed noise wall

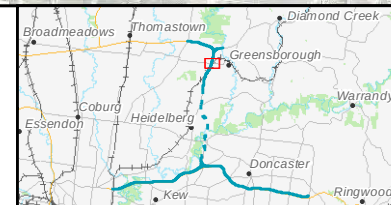
— Proposed shared use path overpass

— Proposed shared use path

— Proposed shared use path underpass

— Proposed elevated ramp or structure

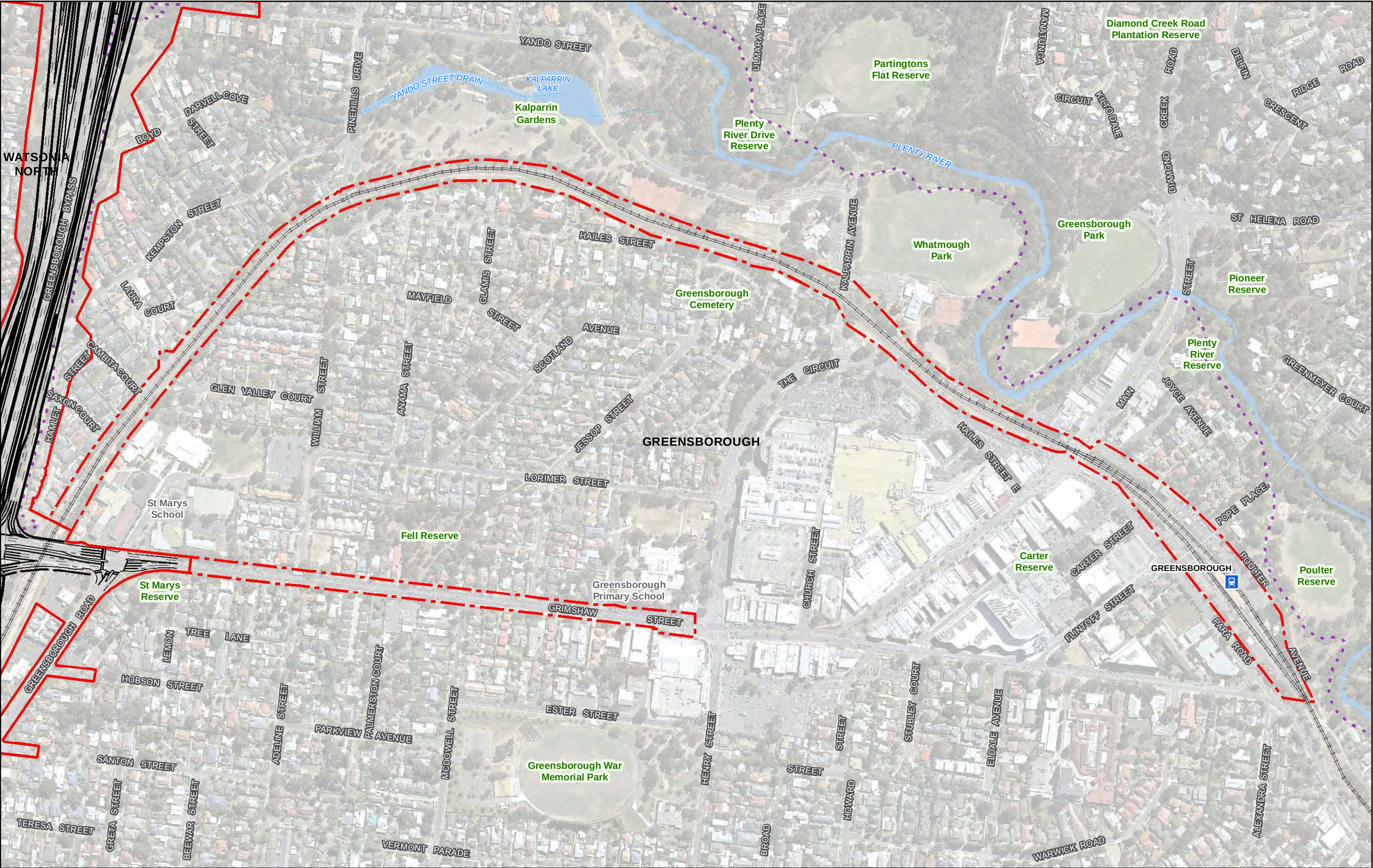
— Proposed surface road



North East Link Project
Horizontal plan: operation
Reference Design

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Date: 05 Mar 2019



0204080120160

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

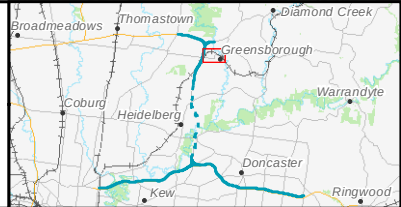
Legend

Project boundary – surface works

Project boundary – minor works

Proposed road alignment

Existing shared use path



North East Link Project
Horizontal plan: construction
Reference Design

Sheet 7 of 42

Date: 05 Mar 2019



0 20 40 80 120 160

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Legend

Proposed road alignment

Proposed noise wall

Proposed shared use path overpass

Proposed shared use path

Proposed shared use path underpass

Existing shared use path

Proposed elevated ramp or structure

Proposed surface road

Broadmeadows

Thomastown

Essendon

Heidelberg

Doncaster

Kew

Ringwood

Warrandyte

Greensborough

Diamond Creek

NORTH EAST LINK PROJECT

North East Link Project

Horizontal plan: operation

Reference Design

Sheet 7 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed noise wall

Proposed shared use path overpass

Proposed shared use path

Existing shared use path

Proposed elevated ramp or structure

Proposed multi-deck car park

Proposed public transport infrastructure upgrade

Proposed surface road

Proposed road in trench

Proposed area for substation

Proposed 66 kV power

Indicative 220 kV transmission tower

Proposed area for 220 kV transmission tower relocation

Broadmeadows

Thomastown

Diamond Creek

Essendon

Coburg

Heidelberg

Greensborough

Warrandyte

Doncaster

Kew

Ringwood

NORTH EAST LINK PROJECT

North East Link Project

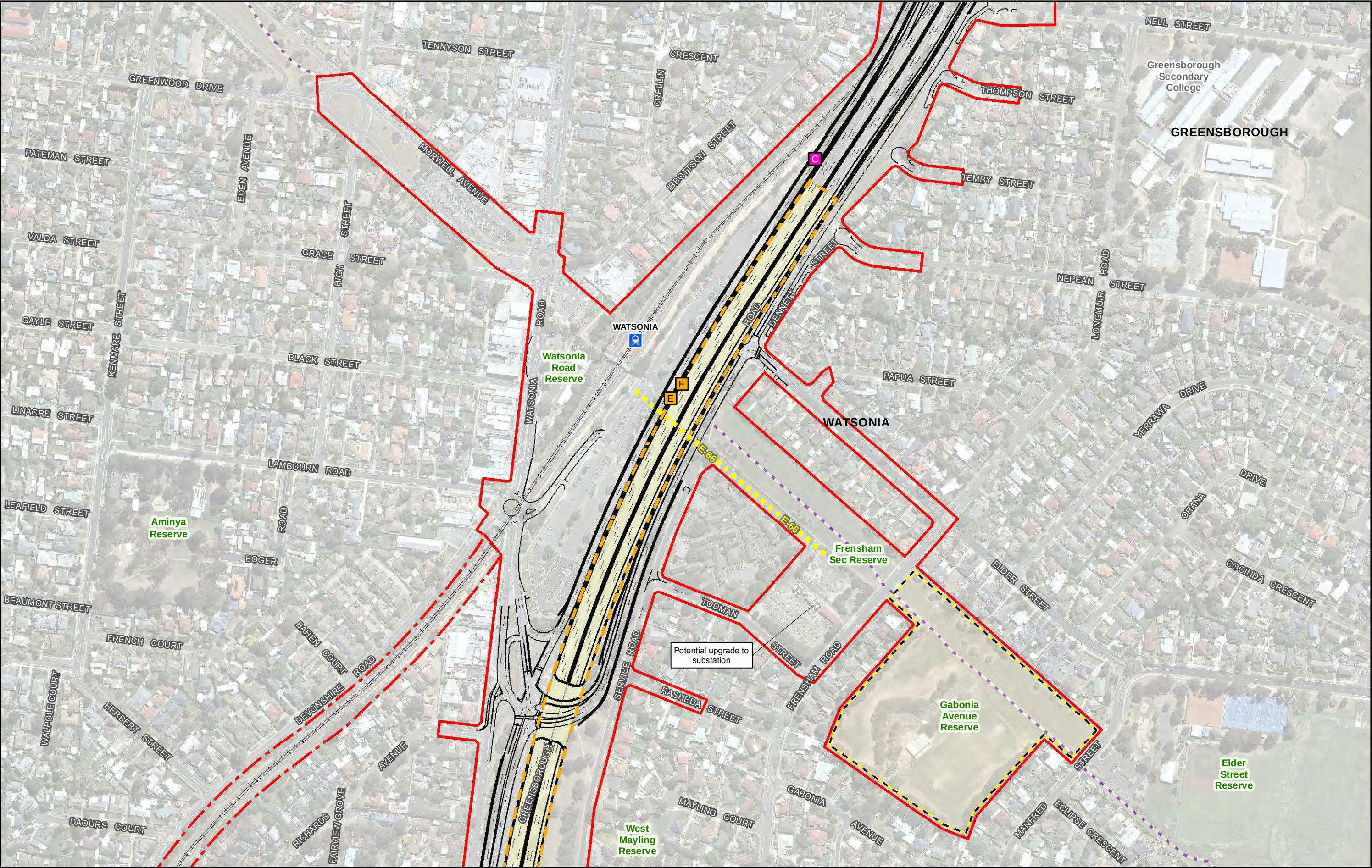
Horizontal plan: operation

Reference Design

Sheet 8 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



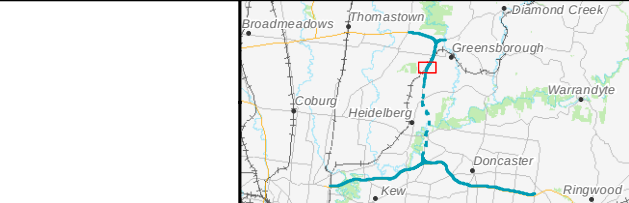
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Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDAE.COM - 2018

Legend

Project boundary – surface works	Indicative area of potential construction compound	Existing overhead 66kV power lines
Project boundary – minor works	Proposed road alignment	Existing 220kV transmission tower
Boundary of proposed open cut or cut and cover works	Open cut	Existing communications tower
	Existing shared use path	



North East Link Project
Horizontal plan: construction
Reference Design

Sheet 9 of 42 Date: 05 Mar 2019



0 20 40 80 120 160

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed noise wall

Proposed barrier/fence

Proposed shared use path overpass

Proposed shared use path

Existing shared use path

Proposed elevated ramp or structure

Proposed land bridge

Proposed multi-deck car park

Proposed public transport infrastructure upgrade

Proposed surface road

Proposed road in trench

Proposed 66 kV power

Indicative 220 kV transmission tower

Proposed area for 220 kV transmission tower relocation

Broadmeadows

Thomastown

Essendon

Heidelberg

Kew

Doncaster

Ringwood

Warrandyte

Diamond Creek

Greensborough

NORTH EAST LINK PROJECT

North East Link Project

Horizontal plan: operation

Reference Design

Sheet 10 of 42

Date: 05 Mar 2019



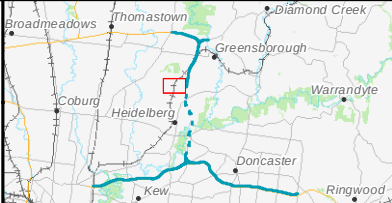
0 20 40 80 120 160
Metres
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55
Charles La Trobe
P-12 College -
Deaf Facility

Legend

Project boundary – surface works

Project boundary – minor works

Existing shared use path



North East Link Project
Horizontal plan: construction
Reference Design

Sheet 11 of 42 Date: 05 Mar 2019



0 20 40 80 120 160

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Legend

■

 Existing shared use path

Broadmeadows

Thomastown

Diamond Creek

Greensborough

Warrandyte

Doncaster

Ringwood

Kew

Essendon

Heidelberg

Coburg

NORTH EAST LINK PROJECT

North East Link Project

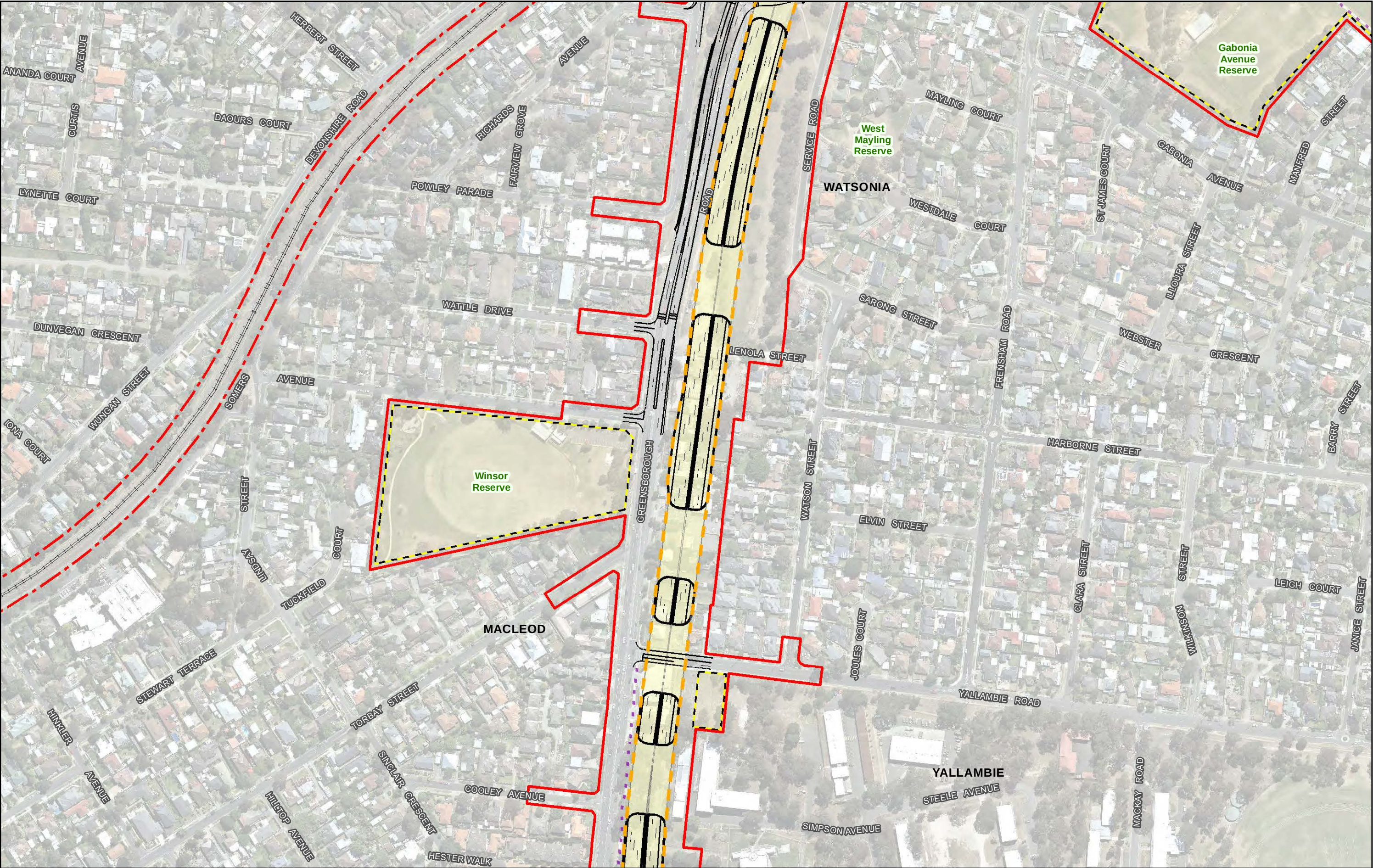
Horizontal plan: operation

Reference Design

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Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Project boundary – surface works

Project boundary – minor works

Boundary of proposed open cut or cut and cover works

Indicative area of potential construction compound

Proposed road alignment

Open cut

Existing shared use path

Broadmeadows

Thomastown

Coburg

Heidelberg

Kew

Greensborough

Warrandyte

Doncaster

Ringwood

Diamond Creek

NORTH EAST LINK PROJECT

North East Link Project

Horizontal plan: construction

Reference Design

Sheet 12 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDAE/COM - 2018



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed noise wall

Proposed barrier/fence

Proposed shared use path overpass

Proposed shared use path

Existing shared use path

Proposed land bridge

Proposed surface road

Proposed road in trench

Broadmeadows

Thomastown

Diamond Creek

Coburg

Essendon

Heidelberg

Warrandyte

Doncaster

Kew

Ringwood

Greensborough

NORTH EAST LINK PROJECT

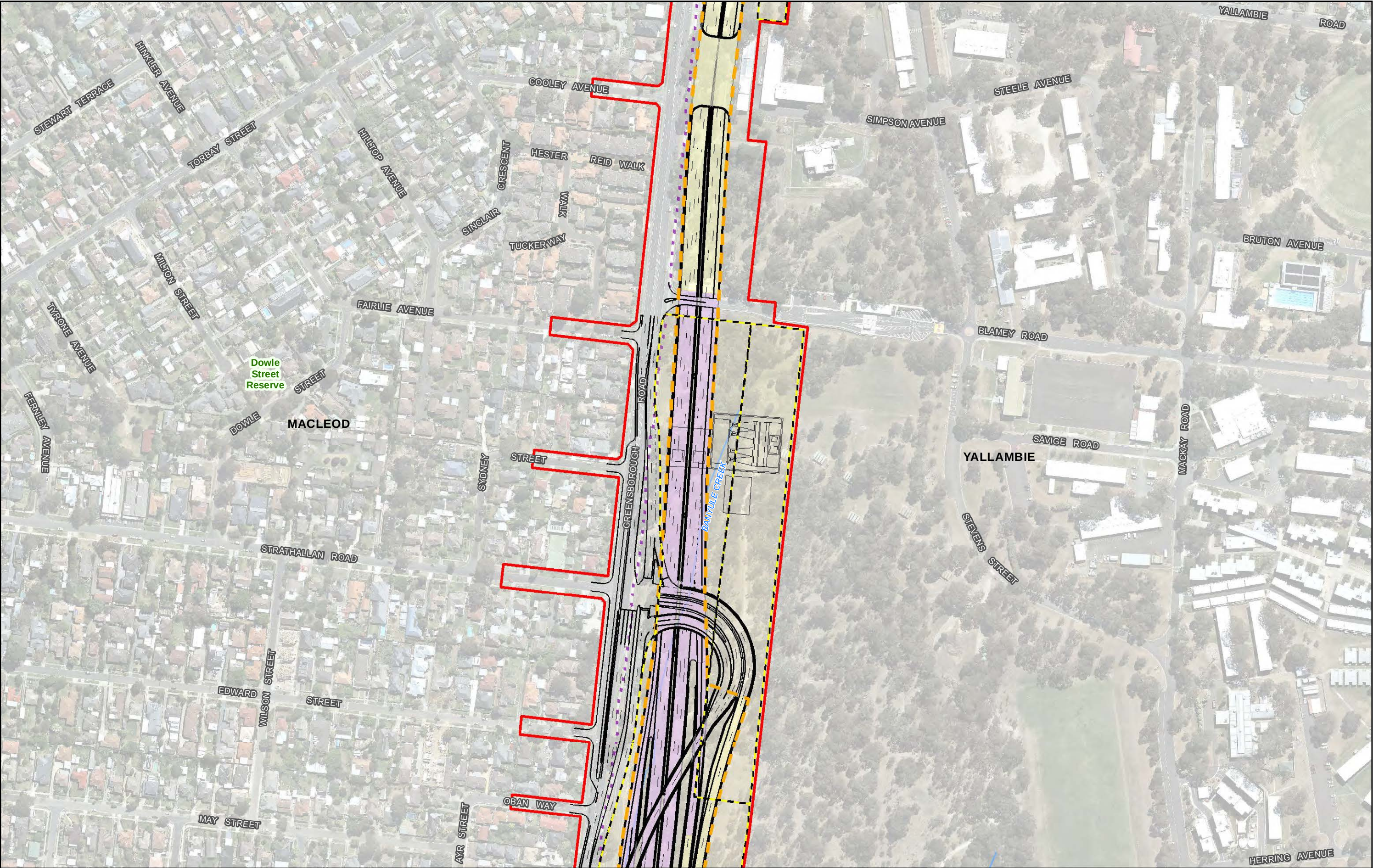
North East Link Project

Horizontal plan: operation

Reference Design

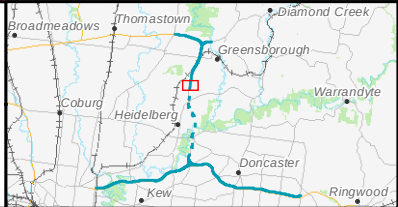
Sheet 12 of 42

Date: 05 Mar 2019

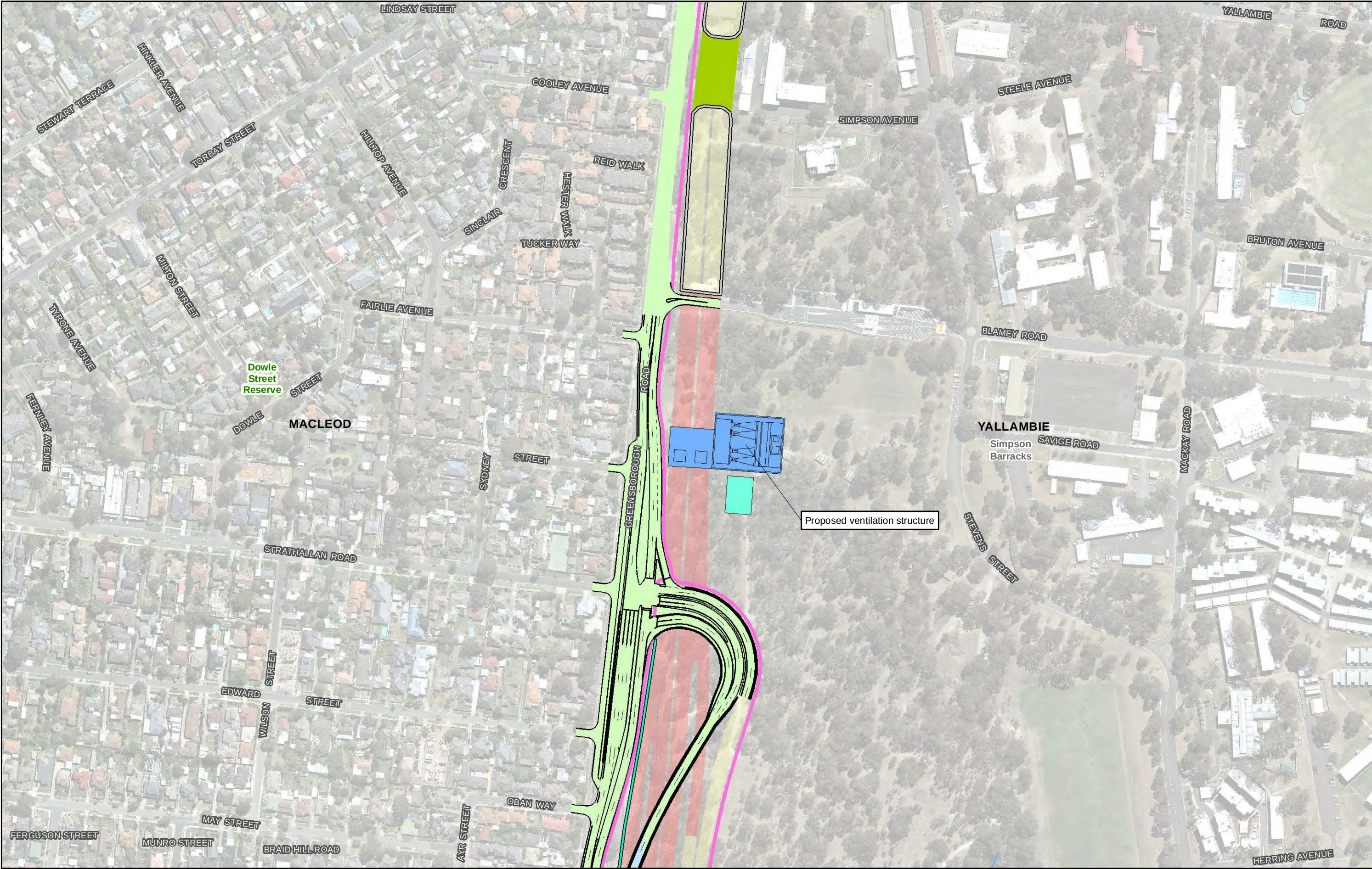


0 12.5 25 50 75 100
Metres
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55
Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

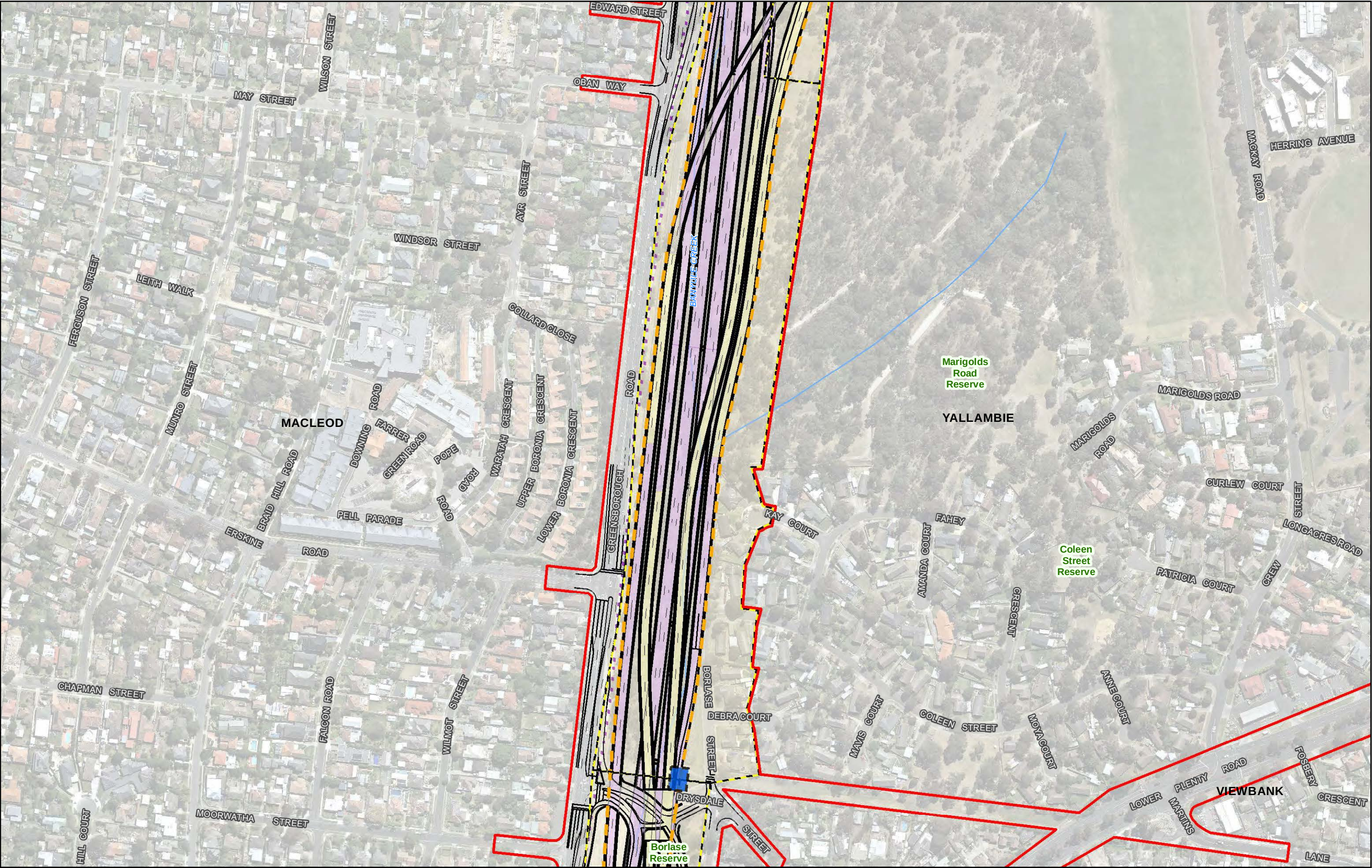
- Legend**
- Project boundary – surface works
 - Indicative area of potential construction compound
 - Boundary of proposed open cut or cut and cover works
 - Proposed road alignment
 - Open cut
 - Cut and cover tunnel
 - Existing shared use path



North East Link Project
Horizontal plan: construction
Reference Design



0 12.5 25 50 75 100 Metres Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55 Data source: CIP Imagery - DELWP - 2018 Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018 Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018	Legend <table border="0"><tr><td>— Proposed road alignment</td><td>— Proposed shared use path</td></tr><tr><td>— Proposed noise wall</td><td>— Proposed elevated ramp or structure</td></tr><tr><td>— Proposed barrier/fence</td><td>— Proposed land bridge</td></tr></table>	— Proposed road alignment	— Proposed shared use path	— Proposed noise wall	— Proposed elevated ramp or structure	— Proposed barrier/fence	— Proposed land bridge	<table border="0"><tr><td>Proposed surface road</td><td>— Ventilation system</td></tr><tr><td>Proposed road tunnel</td><td>Proposed area for substation</td></tr><tr><td>Proposed road in trench</td><td></td></tr></table>	Proposed surface road	— Ventilation system	Proposed road tunnel	Proposed area for substation	Proposed road in trench				North East Link Project Horizontal plan: operation Reference Design	
		— Proposed road alignment	— Proposed shared use path															
— Proposed noise wall	— Proposed elevated ramp or structure																	
— Proposed barrier/fence	— Proposed land bridge																	
Proposed surface road	— Ventilation system																	
Proposed road tunnel	Proposed area for substation																	
Proposed road in trench																		
Sheet 13 of 42		Date: 05 Mar 2019																



012.5255075100

Metres

Map Projection: Transverse Mercator

Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

North arrow pointing up

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018

Project Boundary, NEL Design, Compounds - GHDAECOM - 2018

Legend

Project boundary – surface works

Boundary of proposed open cut or cut and cover works

Indicative area of potential construction compound

Proposed road alignment

Open cut

Cut and cover tunnel

Existing shared use path

Existing pressure reducing station

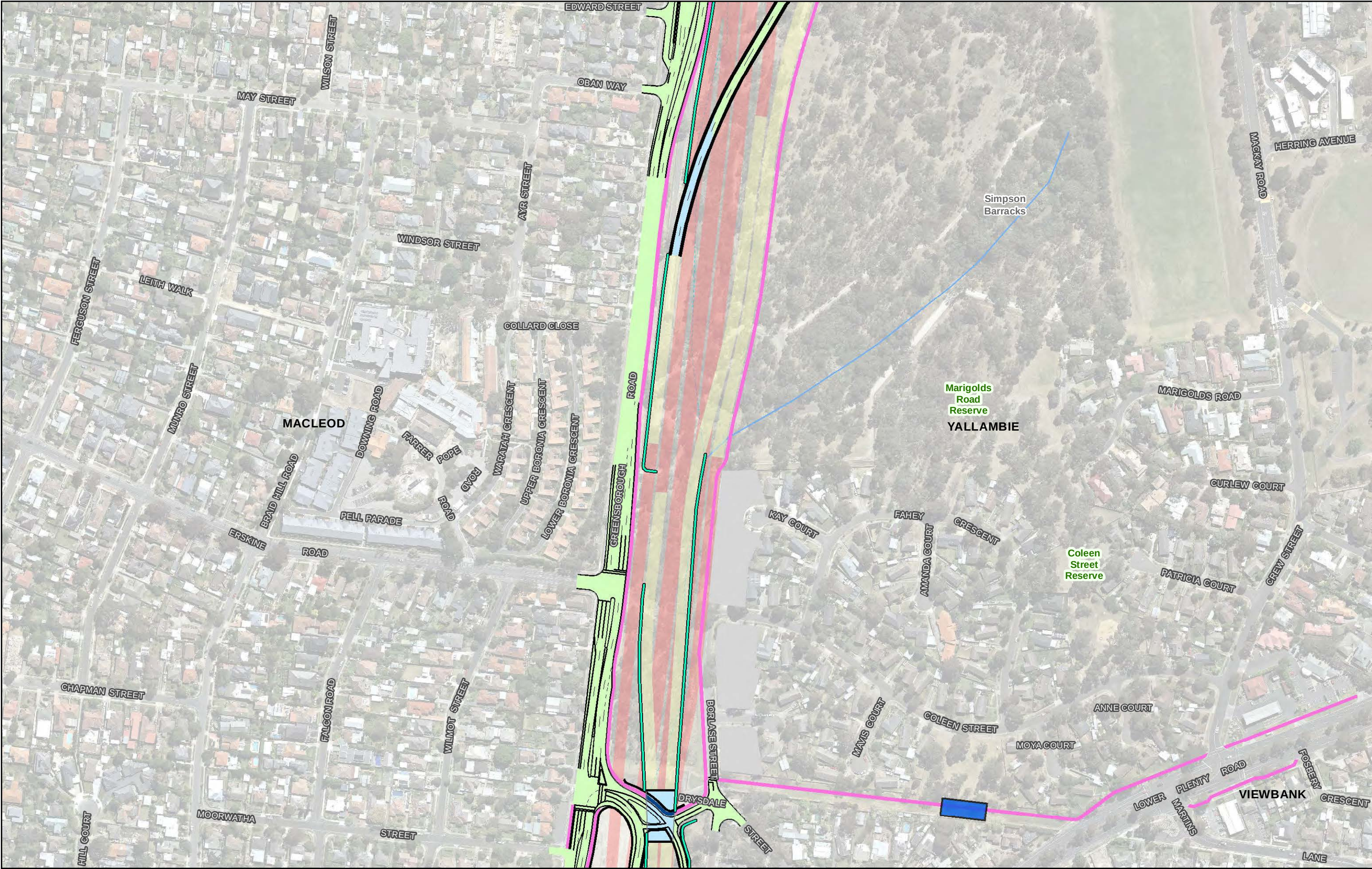
North East Link Project

Horizontal plan: construction

Reference Design

Sheet 14 of 42

Date: 05 Mar 2019



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed noise wall

Proposed shared use path overpass

Proposed shared use path

Proposed elevated ramp or structure

Proposed surface road

Proposed road tunnel

Proposed road in trench

Proposed area for pressure reducing station

Broadmeadows

Thomastown

Diamond Creek

Greensborough

Warrandyte

Doncaster

Ringwood

Kew

Essendon

Heidelberg

Coburg

NORTH EAST LINK PROJECT

North East Link Project

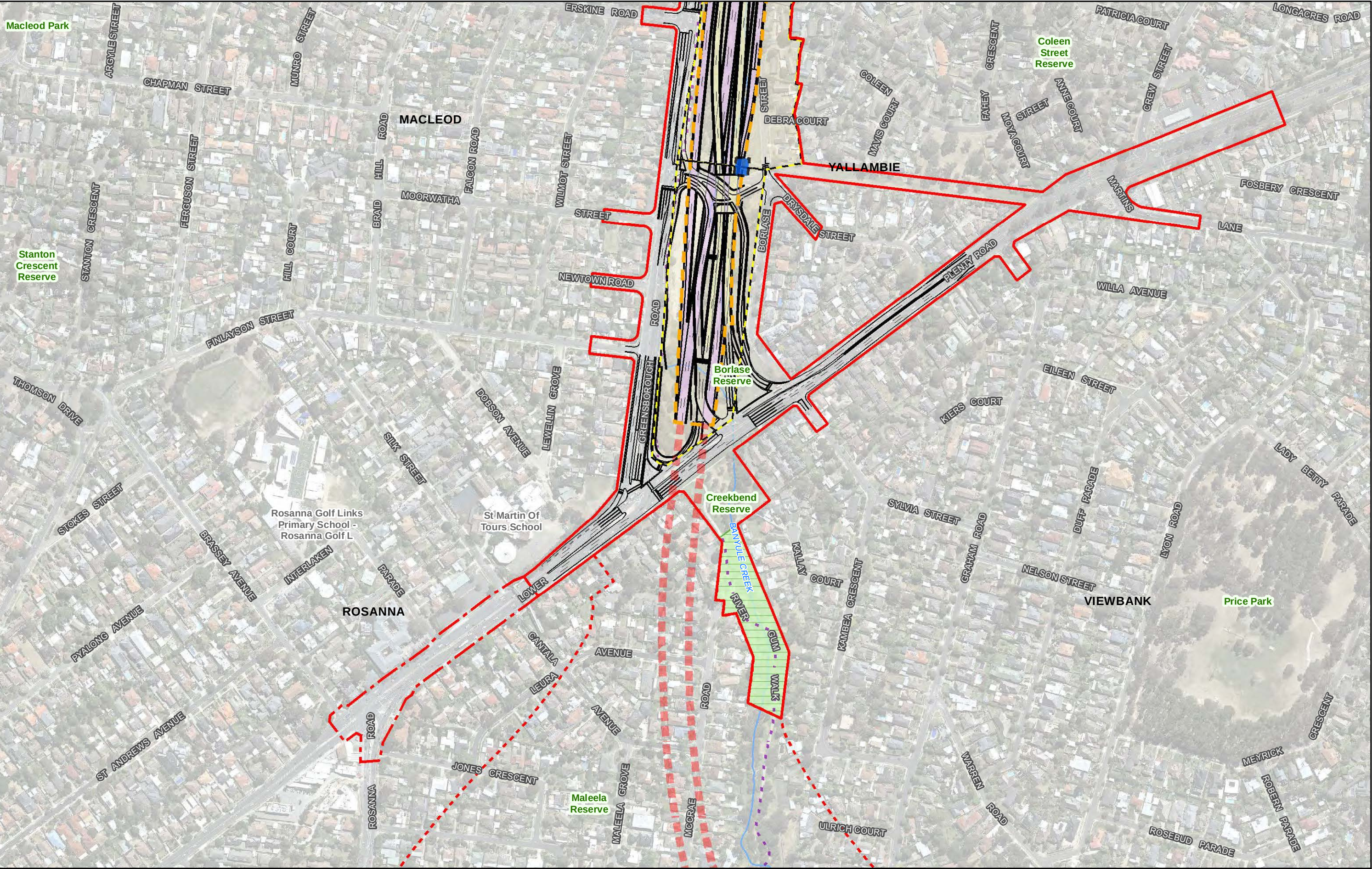
Horizontal plan: operation

Reference Design

Sheet 14 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



0 15 30 60 90 120
Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

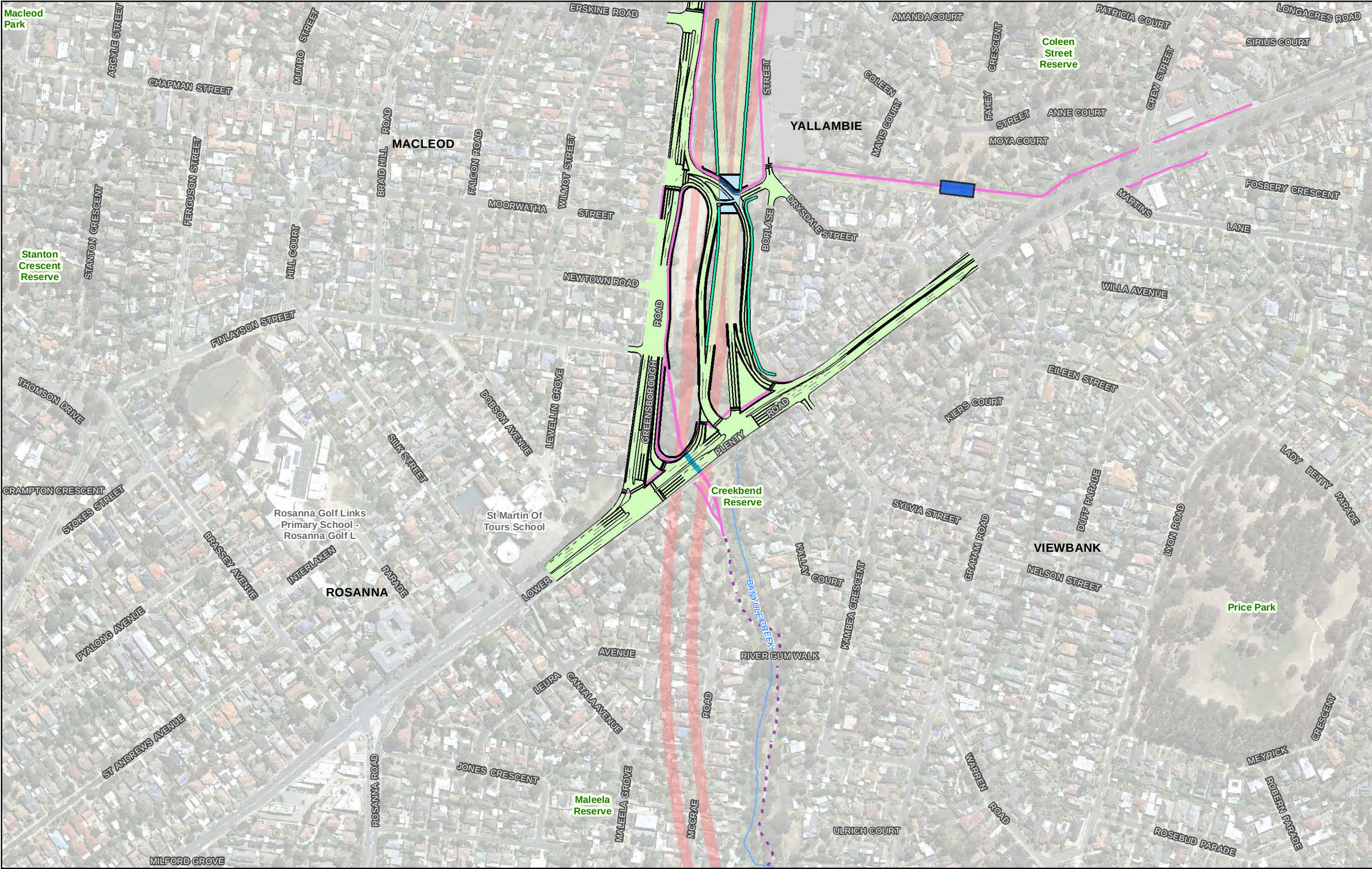
Legend

- Project boundary – surface works
- Project boundary – underground works
- Project boundary – minor works
- Boundary of proposed open cut or cut and cover works
- Indicative area of potential construction compound
- Proposed road alignment
- Open cut
- Cut and cover tunnel
- TBM bored tunnel
- Existing shared use path
- Existing pressure reducing station
- Area for construction of drainage features

North East Link Project
Horizontal plan: construction
Reference Design

Sheet 15 of 42

Date: 05 Mar 2019



0 15 30 60 90 120

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed noise wall

Proposed shared use path overpass

Proposed shared use path

Proposed shared use path underpass

Existing shared use path

Proposed elevated ramp or structure

Proposed surface road

Proposed road tunnel

Proposed road in trench

Proposed area for pressure reducing station

Broadmeadows

Thomastown

Essendon

Heidelberg

Kew

Doncaster

Ringwood

Diamond Creek

Greensborough

Warrandyte

NORTH EAST LINK PROJECT

North East Link Project

Horizontal plan: operation

Reference Design

Sheet 15 of 42

Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



015306090120

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Project boundary – surface works

Project boundary – minor works

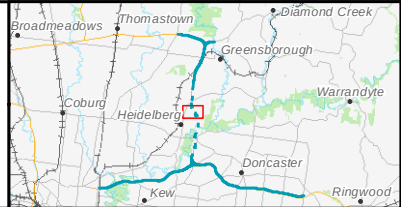
Project boundary – underground works

No-go zone

TBM bored tunnel

Existing shared use path

Area for construction of drainage features



North East Link Project

Horizontal plan: construction

Reference Design

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Date: 05 Mar 2019



0 15 30 60 90 120

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Legend

Existing shared use path

Proposed road tunnel

North East Link Project

Horizontal plan: operation

Reference Design

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Date: 05 Mar 2019

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018



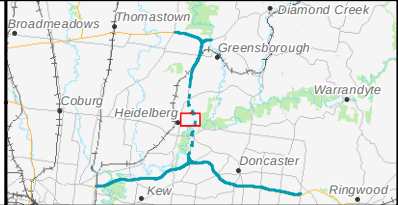
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Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

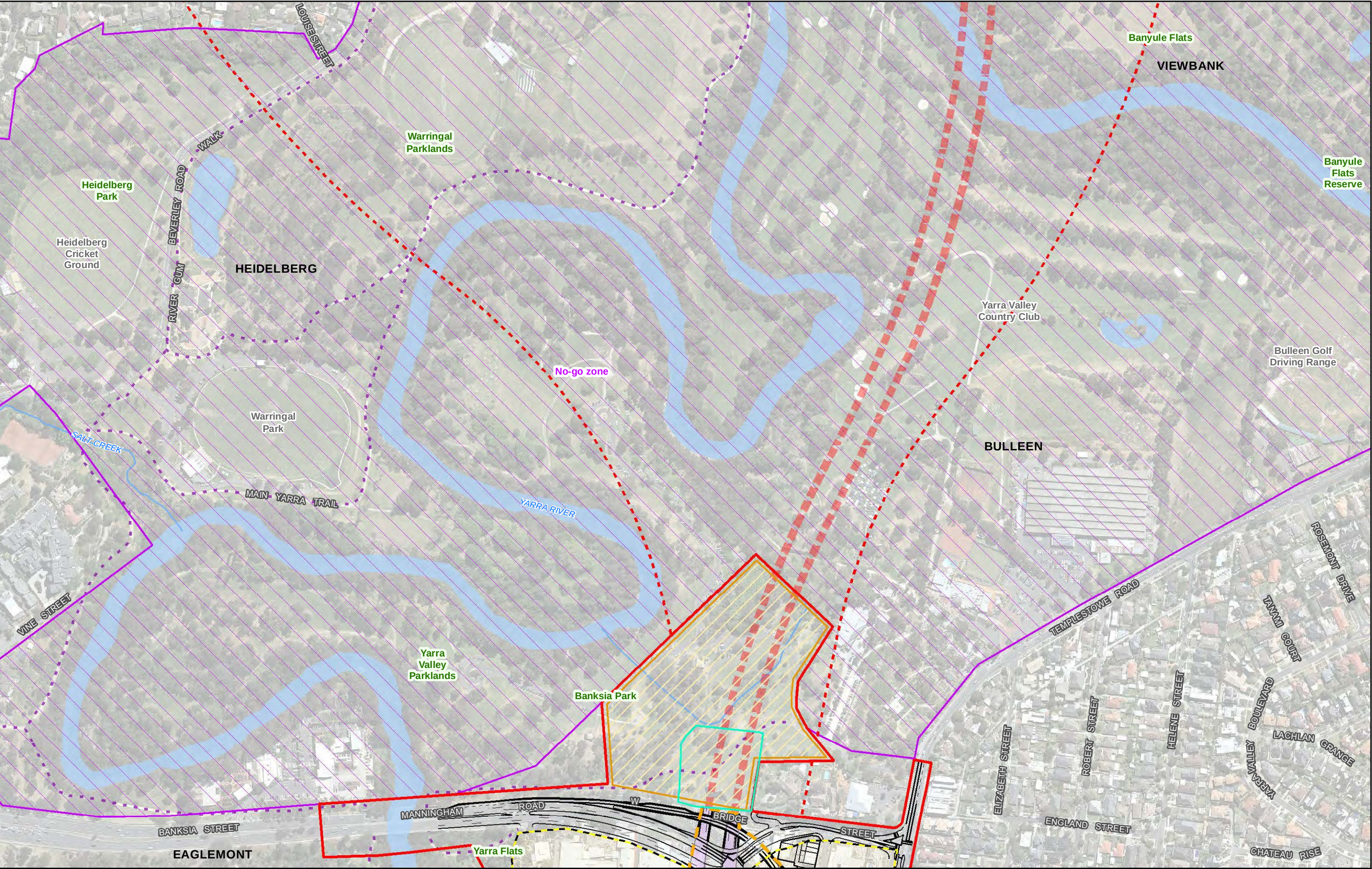
Legend

- Project boundary – underground works
- TBM bored tunnel
- No-go zone
- Existing shared use path



North East Link Project
Horizontal plan: construction
Reference Design





015306090120

Metres

Map Projection: Transverse Mercator

Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

N

North arrow pointing up

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018

Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Project boundary – surface works

Project boundary – underground works

No-go zone

Boundary of proposed open cut or cut and cover works

Indicative area of potential construction compound

Proposed area for ground improvement

TBM retrieval site

Proposed road alignment

Open cut

Cut and cover tunnel

TBM bored tunnel

Existing shared use path

Broadmeadows

Thomastown

Coburg

Heidelberg

Kew

Ringwood

Doncaster

Warrandyte

Greensborough

Diamond Creek

North East Link Project

NORTH EAST LINK PROJECT

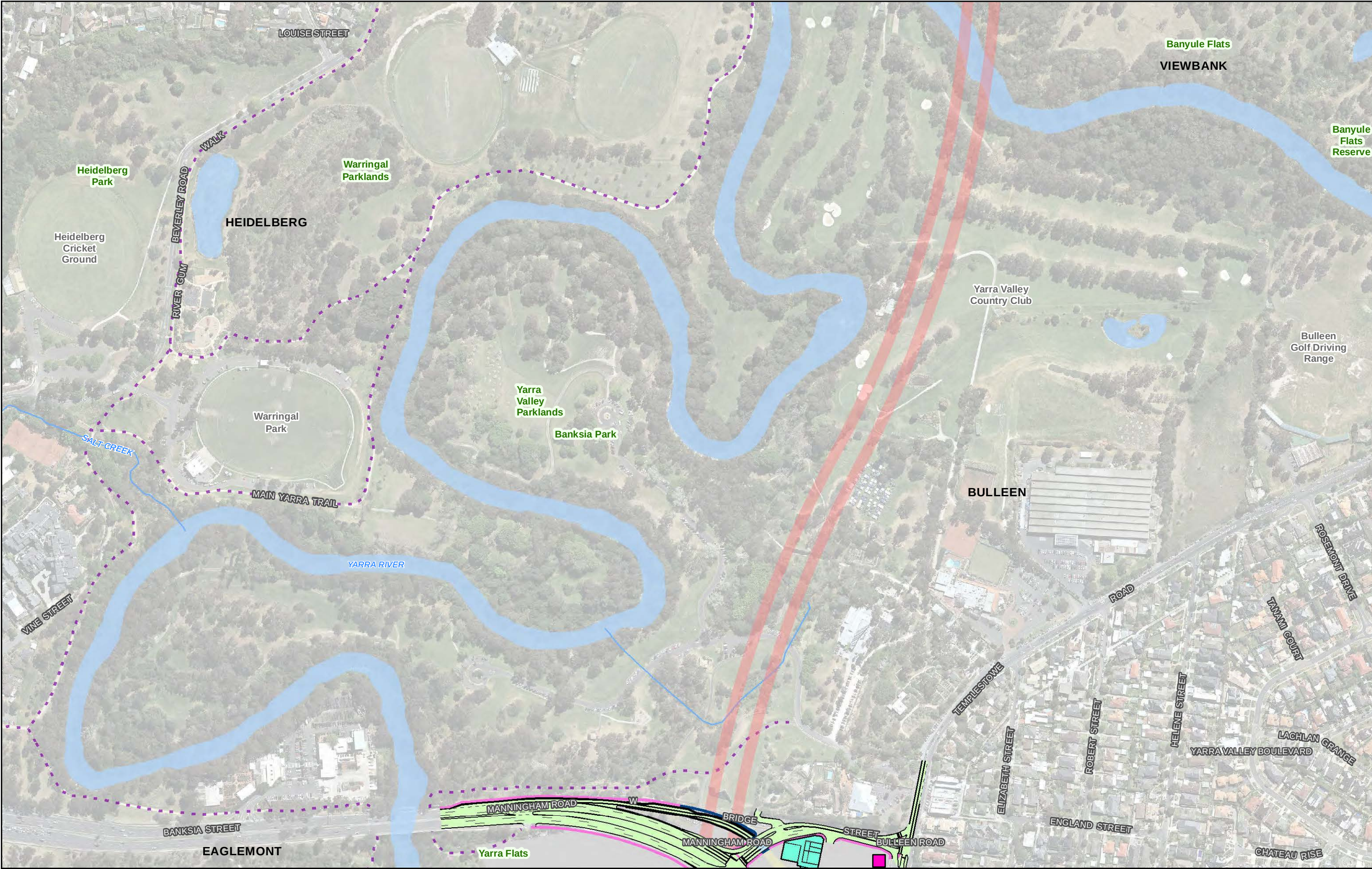
North East Link Project

Horizontal plan: construction

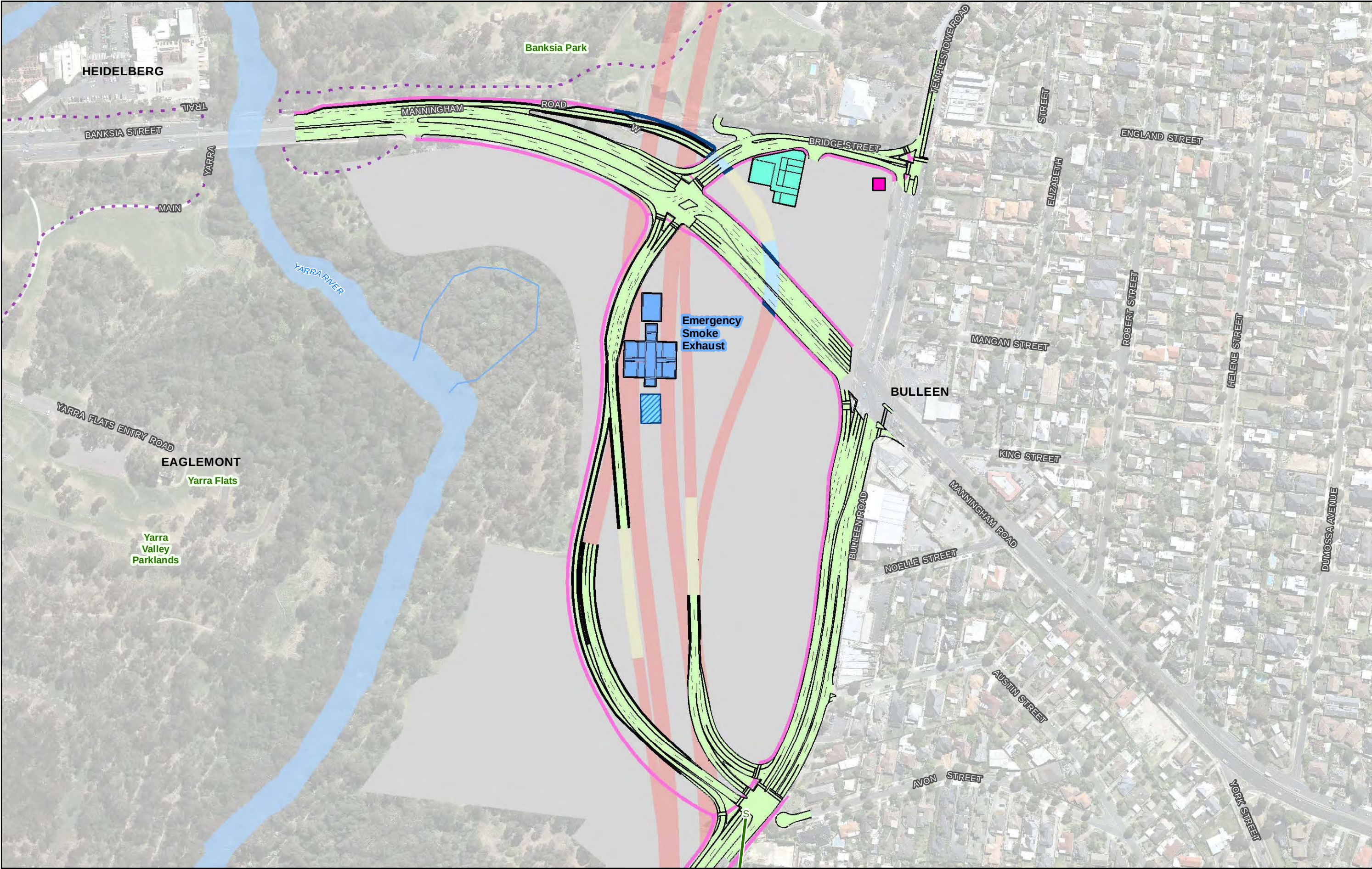
Reference Design

Sheet 18 of 42

Date: 05 Mar 2019



0 15 30 60 90 120 Metres Map Projection: Transverse Mercator Horizontal Datum: GDA 1994 Grid: GDA 1994 MGA Zone 55 Data source: CIP Imagery - DELWP - 2018 Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018 Project Boundary, NEL Design, Compounds - GHD/AECOM - 2018	Legend - Proposed road alignment - Proposed shared use path overpass - Proposed shared use path - Existing shared use path - Proposed elevated ramp or structure - Proposed surface road - Proposed road tunnel - Proposed road in trench - Proposed area for substation - Proposed communications tower			North East Link Project Horizontal plan: operation Reference Design Sheet 18 of 42 Date: 05 Mar 2019
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0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed shared use path overpass

Proposed shared use path

Existing shared use path

Proposed elevated ramp or structure

Proposed surface road

Proposed road tunnel

Proposed road in trench

Ventilation system

Proposed area for substation

Proposed sewer

Proposed communications tower

Proposed water treatment facility

Broadmeadows

Thomastown

Diamond Creek

Greensborough

Warrandyte

Doncaster

Ringwood

Kew

Essendon

Heidelberg

Coburg

NORTH EAST LINK PROJECT

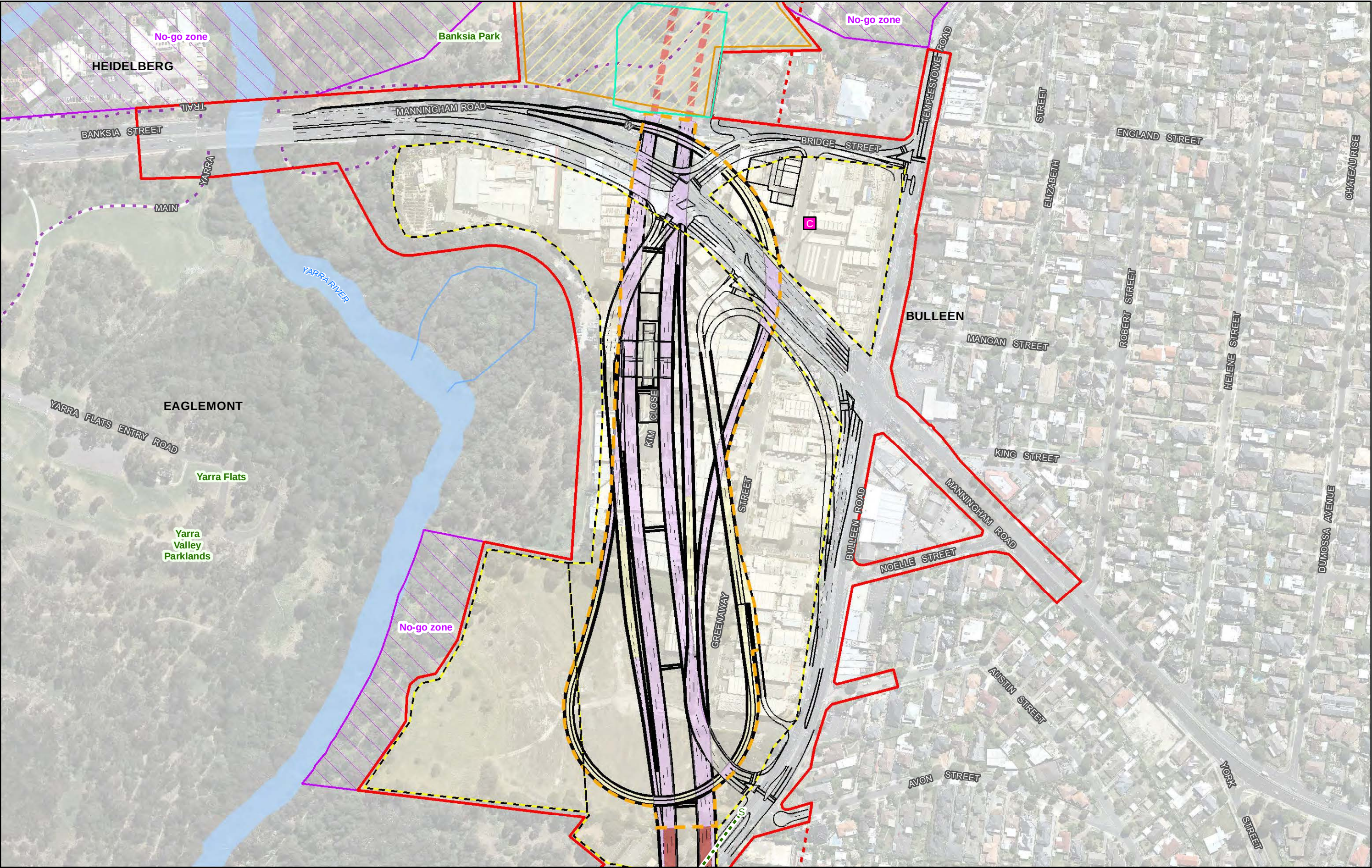
North East Link Project

Horizontal plan: operation

Reference Design

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Date: 05 Mar 2019



012.5255075100

Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

N

Legend

Project boundary – surface works

Project boundary – underground works

No-go zone

Boundary of proposed open cut or cut and cover works

Indicative area of potential construction compound

Proposed area for ground improvement

TBM retrieval site

Proposed road alignment

Open cut

Cut and cover tunnel

Mined tunnel

TBM bored tunnel

Existing shared use path

Existing sewer

Existing communications tower

Broadmeadows

Thomastown

Heidelberg

Coburg

Kew

Doncaster

Ringwood

Diamond Creek

Greensborough

Warrandyte

NORTH EAST LINK PROJECT

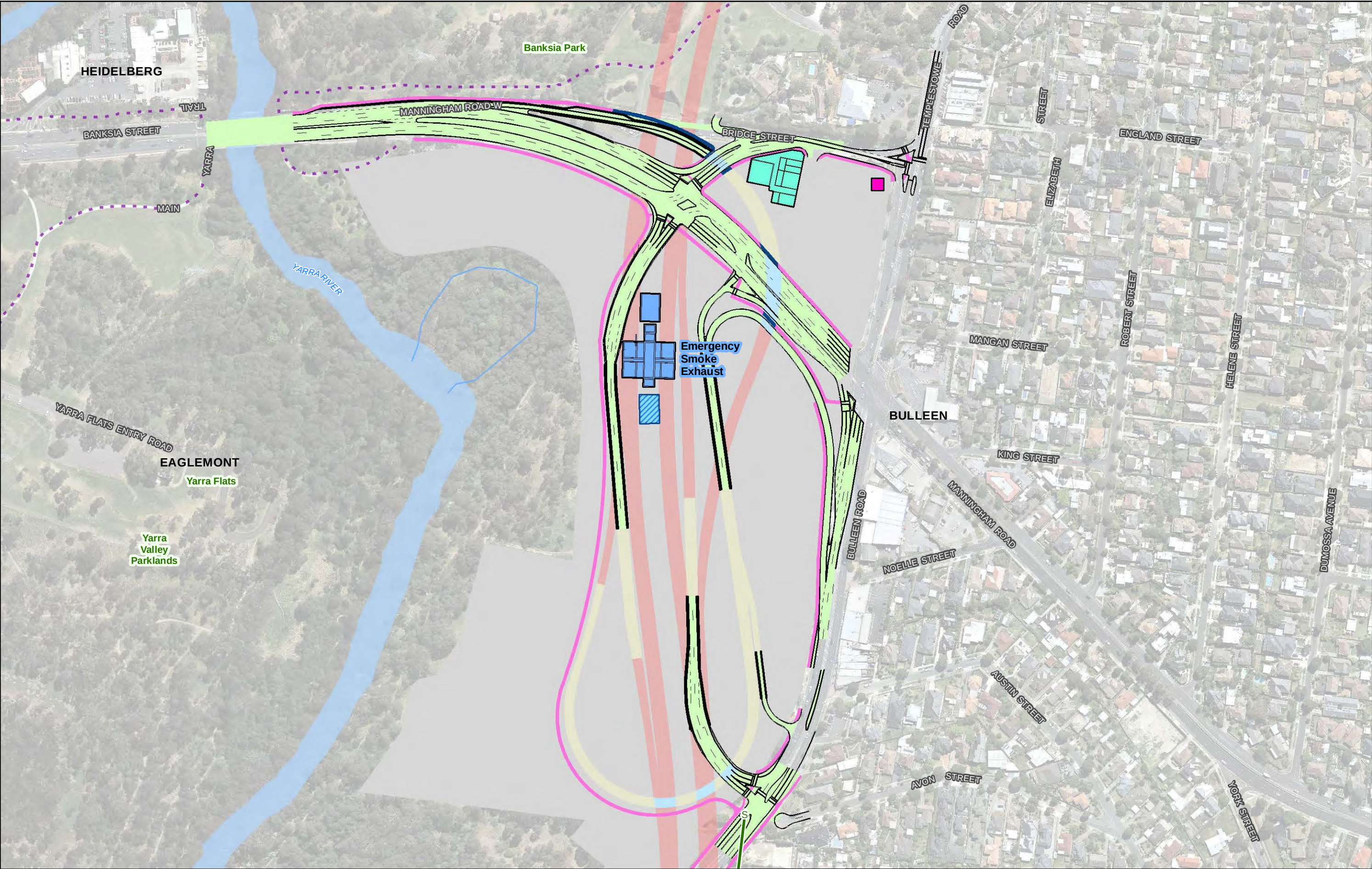
North East Link Project

Horizontal plan: construction

Alternative Design

Sheet 20 of 42

Date: 05 Mar 2019



0 12.5 25 50 75 100

Metres

Map Projection: Transverse Mercator

Horizontal Datum: GDA 1994

Grid: GDA 1994 MGA Zone 55

N

Proposed road alignment

Proposed shared use path overpass

Proposed shared use path

Existing shared use path

Proposed elevated ramp or structure

Proposed surface road

Proposed road tunnel

Proposed road in trench

Ventilation system

Proposed area for substation

Proposed sewer

Proposed communications tower

Proposed water treatment facility

Broadmeadows

Thomastown

Diamond Creek

Greensborough

Warrandyte

Coburg

Essendon

Heidelberg

Doncaster

Kew

Ringwood

NORTH EAST LINK

PROJECT

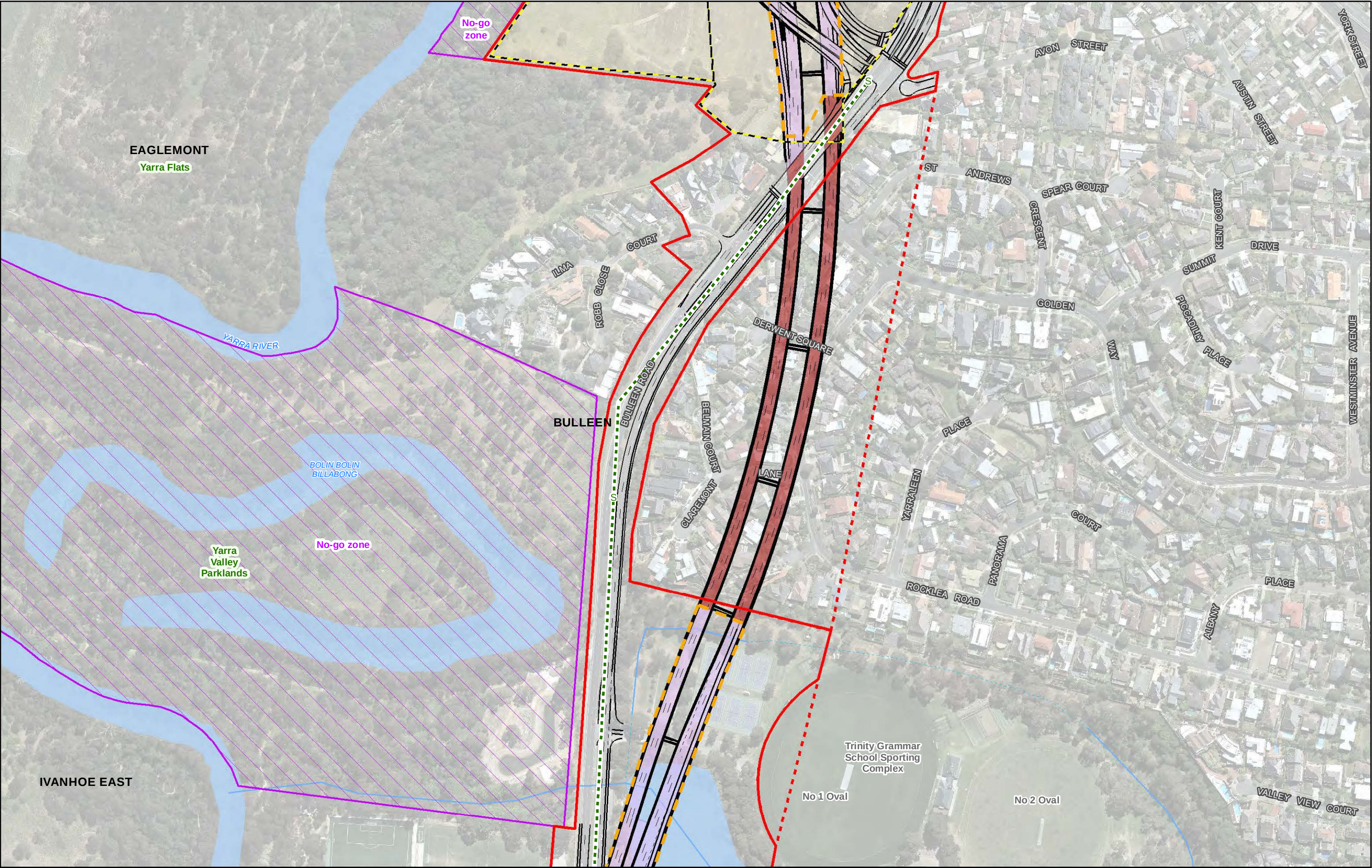
North East Link Project

Horizontal plan: operation

Alternative Design

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Date: 05 Mar 2019



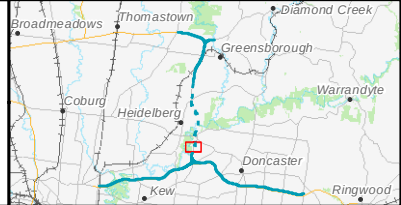
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Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

Legend

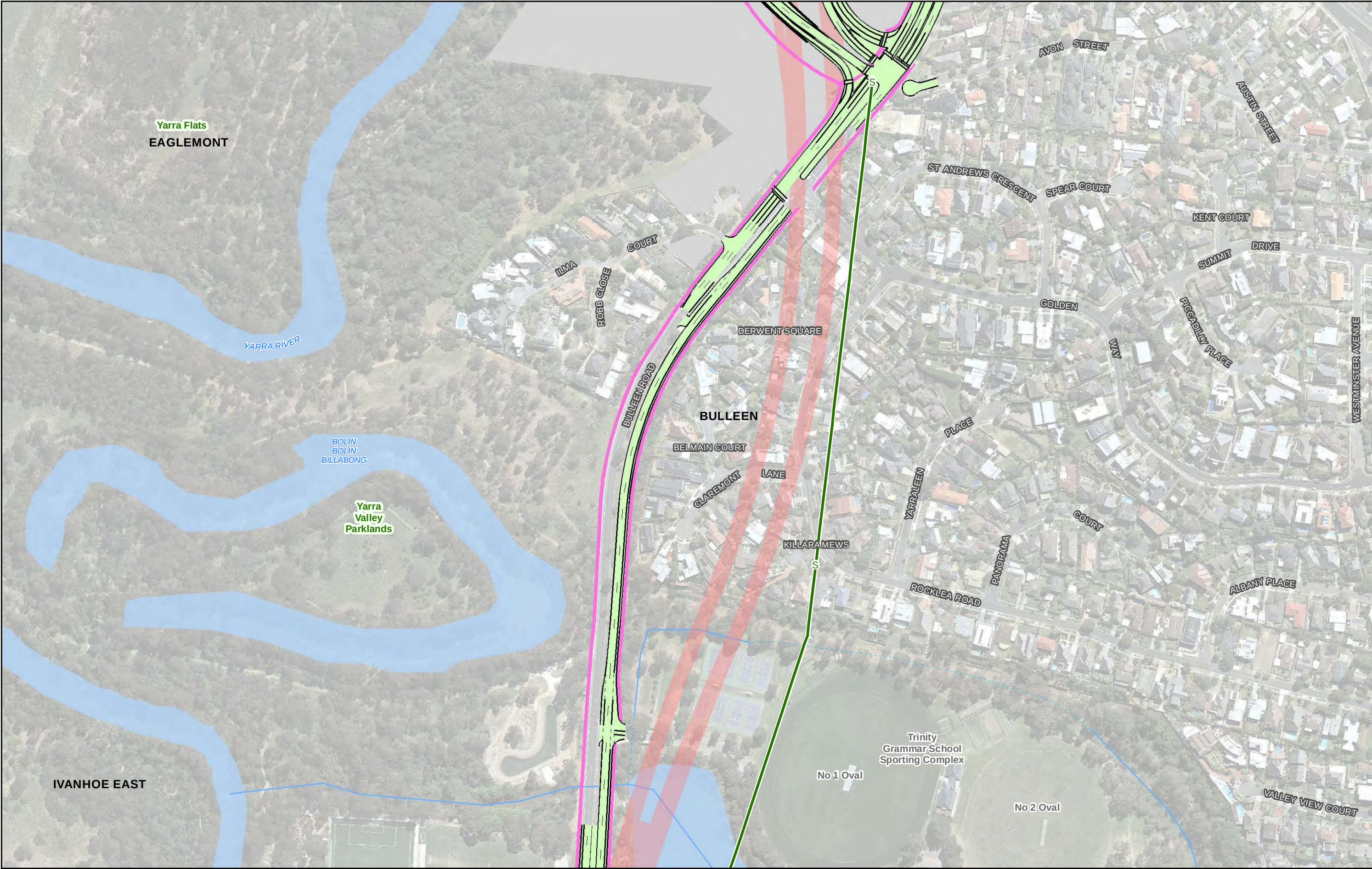
- Project boundary – surface works
- Project boundary – underground works
- No-go zone
- Boundary of proposed open cut or cut and cover works
- Indicative area of potential construction compound
- Proposed road alignment
- Cut and cover tunnel
- Mined tunnel
- Existing sewer

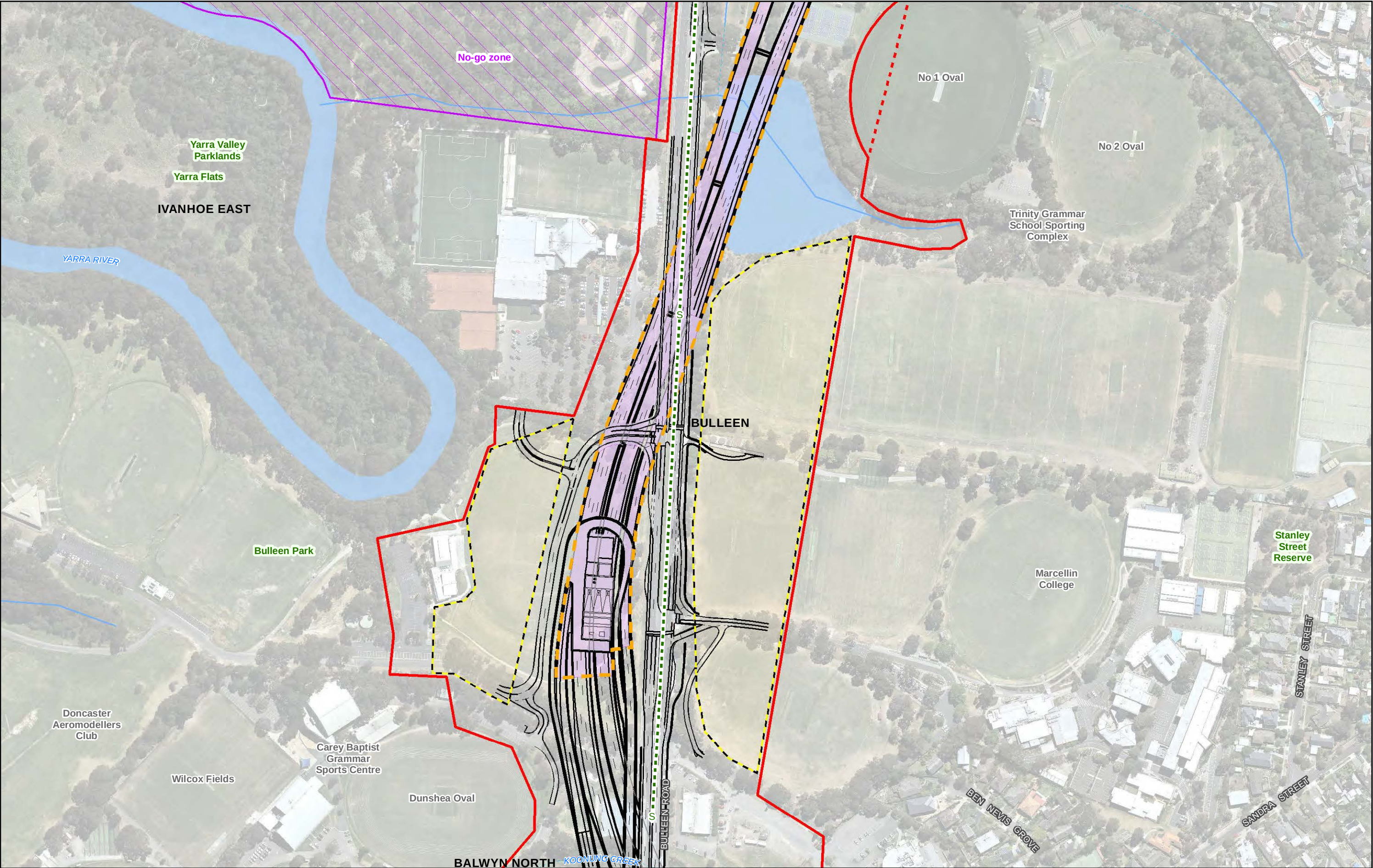


NORTH EAST LINK PROJECT

North East Link Project
Horizontal plan: construction
Reference Design

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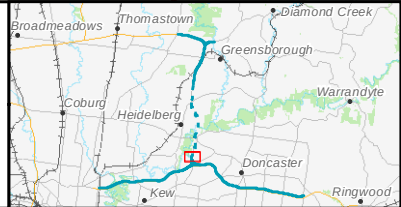
0 12.5 25 50 75 100
Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

Data source: CIP Imagery - DELWP - 2018 | Rail, Rail Station, watercourse, POI, Roads - Vicmap - 2018
| Project Boundary, NEL Design, Compounds - GHDA/ECOM - 2018

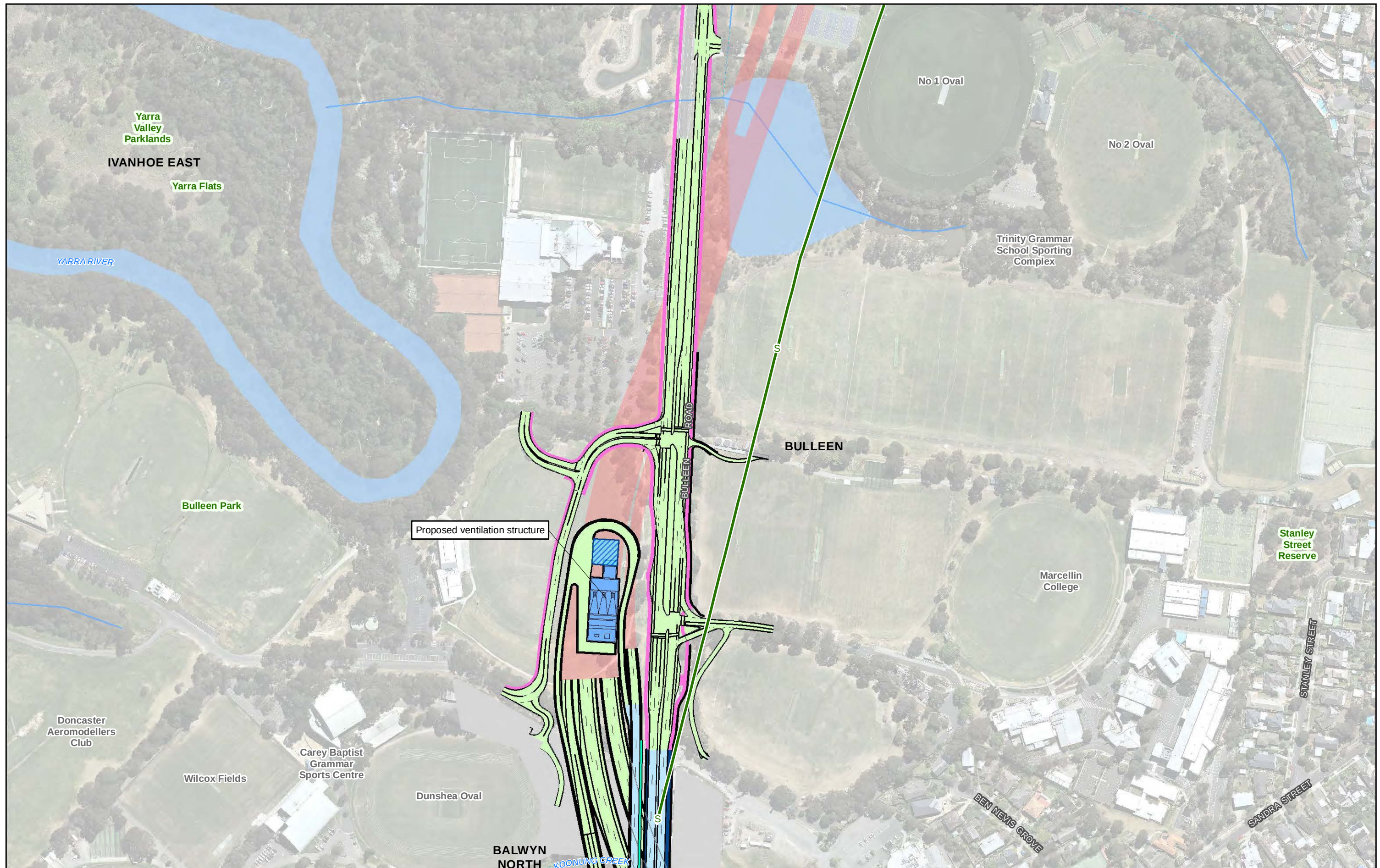
Legend

Project boundary – surface works	Project boundary – underground works	Boundary of proposed open cut or cut and cover works	Proposed road alignment	Existing sewer
No-go zone	Cut and cover tunnel	Indicative area of potential construction compound		



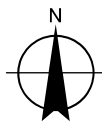
North East Link Project
Horizontal plan: construction
Reference Design

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0 12.5 25 50 75 100
Metres

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



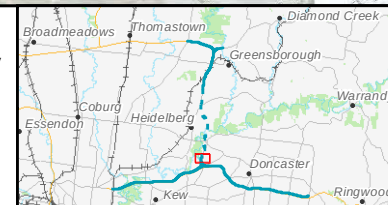
Legend

- Proposed road alignment
- Proposed noise wall
- Proposed shared use path overpass

- Proposed shared use path
- Proposed elevated ramp or structure
- Proposed surface road

- Proposed road tunnel
- Ventilation system
- Proposed sewer

- Proposed water treatment facility



North East Link Project
Horizontal plan: operation
Reference Design

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Date: 05 Mar 2019