

# Urban Design and Landscape Plan

Ring Road Completion  
August 2024



**Attachment 1:**  
**Architecture and Urban Design**






**Document Control - Revision History**

Attachment 1: Architecture and Urban Design

**Plan Control and Amendment**

Rev. No.	Date	Description of Change	Prepared by
1	25/09/2023	Public Exhibition	AMA / M80-RRA
2	21/12/2023	UDLP Final Submission IEA	AMA / M80-RRA
3	29/01/2024	UDLP Final Submission for Review	AMA / M80-RRA
4	02/08/2024	UDLP Final Submission IEA	AMA / M80-RRA
5	21/08/2024	UDLP Final Submission	AMA / M80-RRA

**DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS**

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4	UDLP FINAL SUBMISSION	29.04.2024	DESIGNED BY	L.ANDERSON	29.04.2024	SECURITY CLASSIFICATION: <b>OFFICIAL: Sensitive</b>		PROJECT CONTRACT:	NORTH
3	UDLP FINAL SUBMISSION FOR REVIEW	29.01.2024	DESIGNED BY	M.SPYROPOULOS	29.04.2024	Sacciona  AECOM		NELP DRAWING No.:	NEL-NTH-NNA-3900-EPU-DRG-ARC1
2	UDLP FINAL SUBMISSION IEA	21.12.2023	ENGINEERING CHECKED BY	E.CASTILLO	29.04.2024	DRAWN: -      SIZE: A3      SCALE: As indicated      CAD FILE: -		SUIT. CODE	REVISION
1	PUBLIC EXHIBITION	25.09.2023	VERIFIED BY	R.WOODS	29.04.2024				2
REV.	DESCRIPTION	DATE	APPROVED BY	Z.CVITKOVIC	29.04.2024				
	REVISIONS		APPROVALS						


Note: \* Indicates signed documents as drawings will not have wet signatures.

# Overview

Pursuant to Clause 4.9.2(b) of the Incorporated Document, Attachment 1 contains architecture and urban design plans, including sections and elevations, with materials and finishes associated with the Ring Road Completion.

The architecture and urban design plans accompany this UDLP to support and demonstrate the design's compliance with key elements of the Urban Design Strategy, including Objective 1.5: Architectural contribution and Objective 3.2: Integration of design.

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# Architecture and Urban Design Plan List

Attachment 1: Architecture and Urban Design Plan List

Drawing Number	Location
NEL-NTH-NNA-3900-EPU-DRG-1000	Cover Page
NEL-NTH-NNA-3900-EPU-DRG-1001	Drawing List and Legend
NEL-NTH-NNA-3900-EPU-DRG-1002	Site Plan and Context
NEL-NTH-NNA-3900-EPU-DRG-1003	Material Schedule
NEL-NTH-NNA-3900-EPU-DRG-1101	Locality Plan
NEL-NTH-NNA-3900-EPU-DRG-1102	General Arrangement Plans - Zone 1A - M80 Ring Road
NEL-NTH-NNA-3900-EPU-DRG-1103	General Arrangement Plans - Zone 1B - M80 Ring Road
NEL-NTH-NNA-3900-EPU-DRG-1104	General Arrangement Plans - Zone 1C - M80 Ring Road
NEL-NTH-NNA-3900-EPU-DRG-1105	General Arrangement Plans - Zone 1D - M80 Ring Road
NEL-NTH-NNA-3900-EPU-DRG-1106	General Arrangement Plans - Zone 2A -M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1107	General Arrangement Plans - Zone 2B - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1108	General Arrangement Plans - Zone 3A - Greensborough
NEL-NTH-NNA-3900-EPU-DRG-1109	General Arrangement Plans - Zone 3B - Greensborough
NEL-NTH-NNA-3900-EPU-DRG-1110	General Arrangement Plans - Zone 4 - Watsonia Precinct
NEL-NTH-NNA-3900-EPU-DRG-1201	Locality Plan
NEL-NTH-NNA-3900-EPU-DRG-1202	Sections - Zone 1 - M80 Ring Road
NEL-NTH-NNA-3900-EPU-DRG-1203	Sections - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1204	Sections - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1205	Sections - Zone 3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1206	Sections - Zone 4 - Watsonia Precinct
NEL-NTH-NNA-3900-EPU-DRG-1207	Sections - Zone 4 - Watsonia Precinct
NEL-NTH-NNA-3900-EPU-DRG-1208	Sections - Zone 4 - Watsonia Precinct
NEL-NTH-NNA-3900-EPU-DRG-1209	Sections - Zone 2 - M80 Interchange

Drawing Number	Location
NEL-NTH-NNA-3900-EPU-DRG-1210	Sections - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1211	Sections - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1212	Sections - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1213	Sections - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1214	Sections - Zone 3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1215	Sections - Zone 3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1216	Sections - Zone 4 - Watsonia Precinct
NEL-NTH-NNA-3900-EPU-DRG-1251	Locality Plan
NEL-NTH-NNA-3900-EPU-DRG-1252	Elevations - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1253	Elevations - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1254	Elevations - Zone 2 - M80 Interchange
NEL-NTH-NNA-3900-EPU-DRG-1255	Elevations -Zone3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1256	Elevations -Zone3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1257	Elevations -Zone3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1258	Elevations -Zone3 - Greensborough Road
NEL-NTH-NNA-3900-EPU-DRG-1301	Locality Plan
NEL-NTH-NNA-3900-EPU-DRG-1302	General Arrangement Plan - M80 Incident Response Bay
NEL-NTH-NNA-3900-EPU-DRG-1401	Locality Plan
NEL-NTH-NNA-3900-EPU-DRG-1402	General Arrangement Plans - Macorna Street Shared Use Path Bridge
NEL-NTH-NNA-3900-EPU-DRG-1403	Sections - Macorna Street Shared Use Path Bridge
NEL-NTH-NNA-3900-EPU-DRG-1404	Elevations - Macorna Street Shared Use Path Bridge
NEL-NTH-NNA-3900-EPU-DRG-1405	Section - Macorna Street North Shared Use Path
NEL-NTH-NNA-3900-EPU-DRG-1406	Elevations - Macorna Street North Shared Use Path Bridge

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# Architecture and Urban Design Plan List

Attachment 1: Architecture and Urban Design Plan List

Drawing Number	Location
NEL-NTH-NNA-3900-EPU-DRG-1707	Road Infrastructure Plans - Zone 2B
NEL-NTH-NNA-3900-EPU-DRG-1708	Road Infrastructure Plans - Zone 3A
NEL-NTH-NNA-3900-EPU-DRG-1709	Road Infrastructure Plans - Zone 3B
NEL-NTH-NNA-3900-EPU-DRG-1710	Road Infrastructure Plans - Zone 4
NEL-NTH-NNA-3900-EPU-DRG-1711	Noise Wall Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1712	Noise Walls Types - Sheet 02
NEL-NTH-NNA-3900-EPU-DRG-1713	Noise Wall Elevations - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1721	Retaining Wall Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1722	Retaining Wall Types - Sheet 02
NEL-NTH-NNA-3900-EPU-DRG-1731	Flood Wal Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1741	Screen Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1751	Bridge Barrier Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1752	Bridge Barrier Types - Sheet 02
NEL-NTH-NNA-3900-EPU-DRG-1753	Bridge Barrier Types - Sheet 03
NEL-NTH-NNA-3900-EPU-DRG-1761	Gantry Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1762	Gantry Types - Sheet 02
NEL-NTH-NNA-3900-EPU-DRG-1771	Pier Types - Sheet 01
NEL-NTH-NNA-3900-EPU-DRG-1781	Fence Types - Types 01
NEL-NTH-NNA-3900-EPU-DRG-1791	Material Precedents

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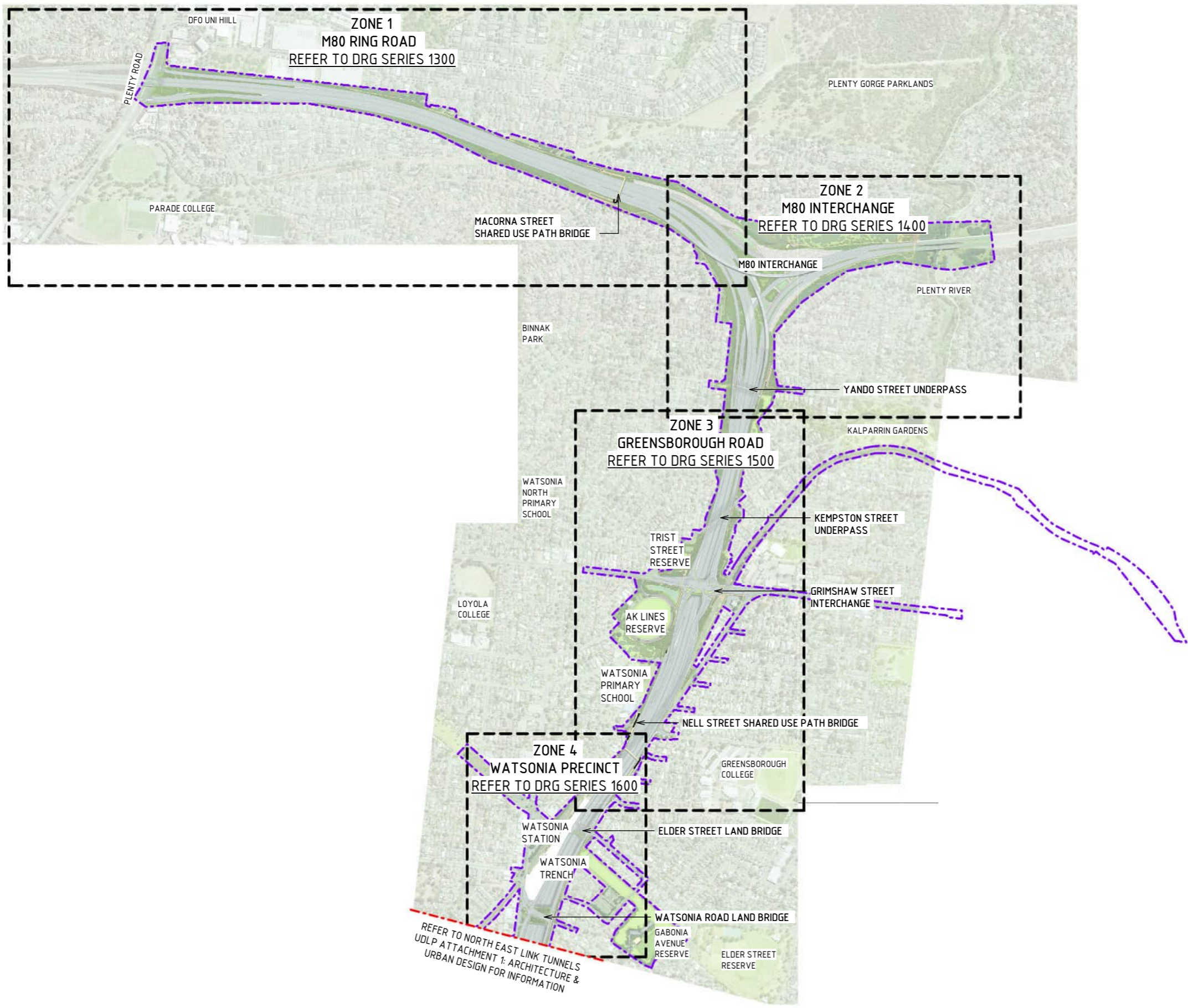




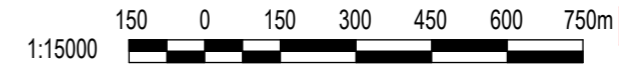




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LOCALITY PLAN  
SCALE 1: 15000



LEGEND	
	PROJECT BOUNDARY
	EXTENT OF NORTH EAST LINK RING ROAD COMPLETION UDLP
	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

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# MATERIAL SCHEDULE

## ACRYLIC FINISHES

**A-01** TRANSPARENT TINTED ACRYLIC PANEL  
TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.



**OL-01** TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL  
TRANSLUCENT TINTED ACRYLIC PANEL. INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES. MATERIAL AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DESIGN DEVELOPMENT PHASE IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES.



## METAL FINISHES

**M-02** SOLID ALUMINIUM PANEL  
SOLID ALUMINIUM PANEL TO CUSTOM ARCHITECTURAL PROFILE WITH SATIN PVDF FINISH, IN CUSTOM COLOURS. FULL HEIGHT CLEAR NON SACRIFICIAL, NON-FILM FORMING COATING.  
*NOTE- TO MATCH TUNNELS UDLP*



**M-03** WEATHERING STEEL  
WEATHERING STEEL



**M-04** PERFORATED WEATHERING STEEL  
CUSTOM PATTERN PERFORATED WEATHERING STEEL

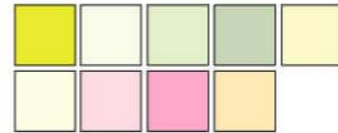


**M-05** PERFORATED ALUMINIUM PANELS  
PERFORATED ALUMINIUM PANEL TO CUSTOM ARCHITECTURAL PROFILE WITH SATIN PVDF FINISH, IN CUSTOM COLOURS. FULL HEIGHT CLEAR NON SACRIFICIAL, NON-FILM FORMING COATING.

## MESH FINISHES

**MS-01** WIRE MESH PROTECTION SCREEN  
WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

**MS-02** WIRE MESH PROTECTION SCREEN WITH PVDF FINISH IN CUSTOM COLOURS  
WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. PVDF FINISH IN CUSTOM COLOURS.



## PAINT FINISHES

**P-01** PAINT OVER STEEL - TYPE 01  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.



**P-02** PAINT OVER STEEL - TYPE 02  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.



**P-03** PAINT OVER CONCRETE - TYPE 01  
PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.



## CONCRETE FINISHES

**C-01** CONCRETE WITH INTEGRAL FINISH  
CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.

**C-02** SHOTCRETE  
SHOTCRETE FINISH.

**C-03** PRECAST CONCRETE (TRENCH)  
PRECAST CONCRETE TEXTURED PANEL WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE WITH OXIDE COLOUR.  
*NOTE- TO MATCH TUNNELS UDLP*



## DECKING FINISHES

**D-01** GLASS FIBRE REINFORCED POLYMER DECK  
GLASS FIBRE REINFORCED POLYMER DECK WITH APPROVED COLOUR AND TEXTURE WEARING SURFACE.



## LIGHTING

**L-01** LIGHTING  
LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

## HANDRAIL FINISHES

**H-01** STAINLESS STEEL HANDRAIL  
CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.

## ROCK BATTER

**R-01** NATURAL ROCK BATTER  
NATURAL ROCK BATTER  
**R-02** ROCK BEACHING  
ROCK BEACHING TREATMENT

- NOTE:**
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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

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5	UDLP FINAL SUBMISSION	21/08/24	DRAFTING CHECKED BY: E. CASTILLO									
4	UDLP FINAL SUBMISSION IEA	02/08/24	DESIGNED BY: M. SPYROPOULOS									
3	UDLP REVISION 1	29/01/24	ENGINEERING CHECKED BY: M. FERNANDO									
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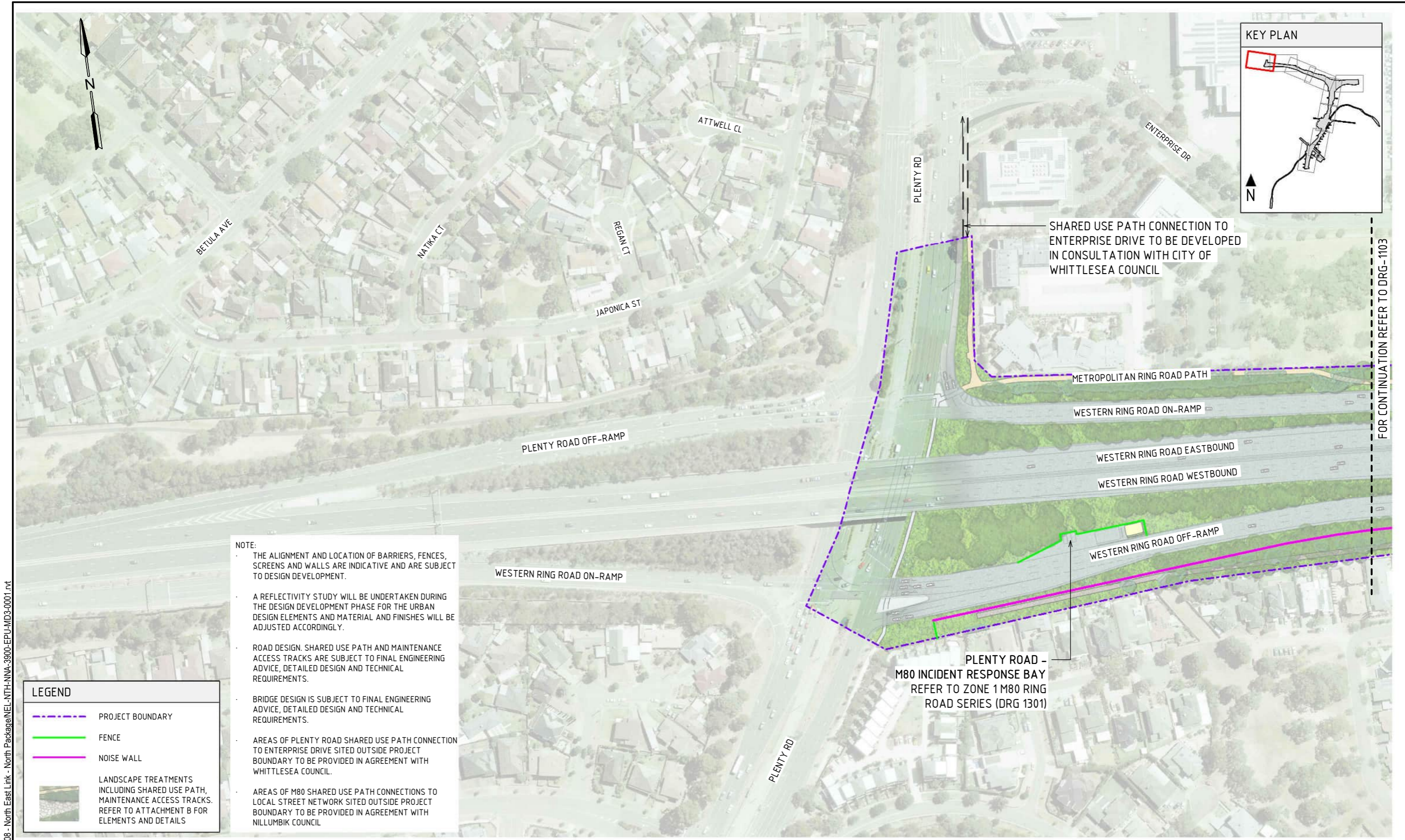
Note: \* Indicates signed documents as drawings will not have wet signatures.

**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
INITIAL PAGES  
MATERIAL SCHEDULE









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**LEGEND**

- PROJECT BOUNDARY
- FENCE
- NOISE WALL
- LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

**GENERAL ARRANGEMENT PLAN - ZONE 1A**  
SCALE 1:2000

1:2000 20 0 20 40 60 80 100m DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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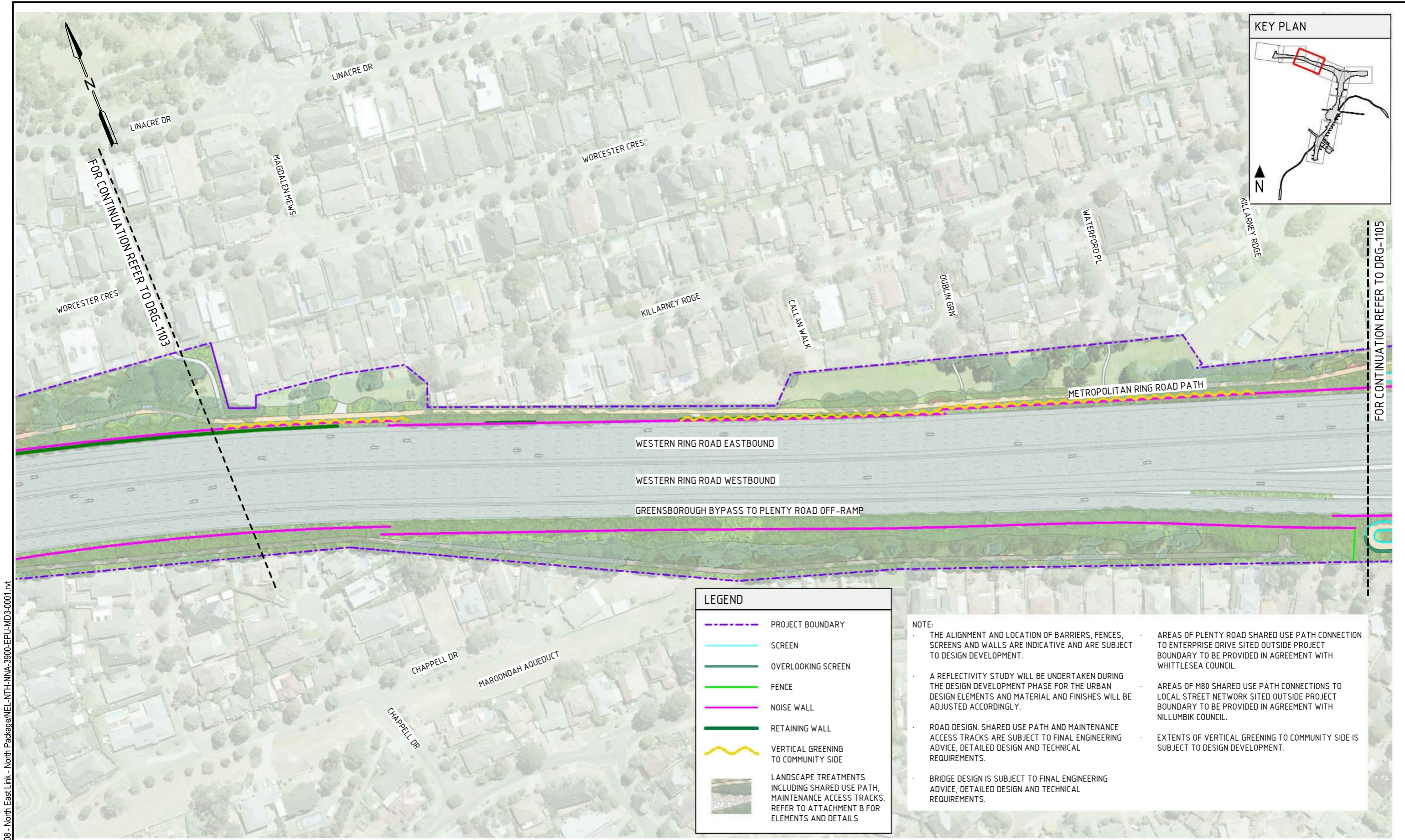
© North East Link Program		<table border="1"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>DRAFTING CHECKED BY: E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>DESIGNED BY: M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>ENGINEERING CHECKED BY: M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>VERIFIED BY: L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>APPROVED BY: Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </table>		NAME	DATE	DRAFTING CHECKED BY: E. CASTILLO	21/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24	VERIFIED BY: L. ANDERSON	21/08/24	APPROVED BY: Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ZONE PLANS GENERAL ARRANGEMENT PLAN - ZONE 1A</p>		<p>PROJECT CONTRACT: NORTH</p>		<p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1102</p>		<p>SUIT. CODE REVISION 5</p>					
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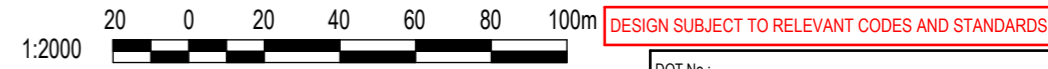
**LEGEND**

- PROJECT BOUNDARY
- SCREEN
- OVERLOOKING SCREEN
- FENCE
- NOISE WALL
- RETAINING WALL
- VERTICAL GREENING TO COMMUNITY SIDE
- LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

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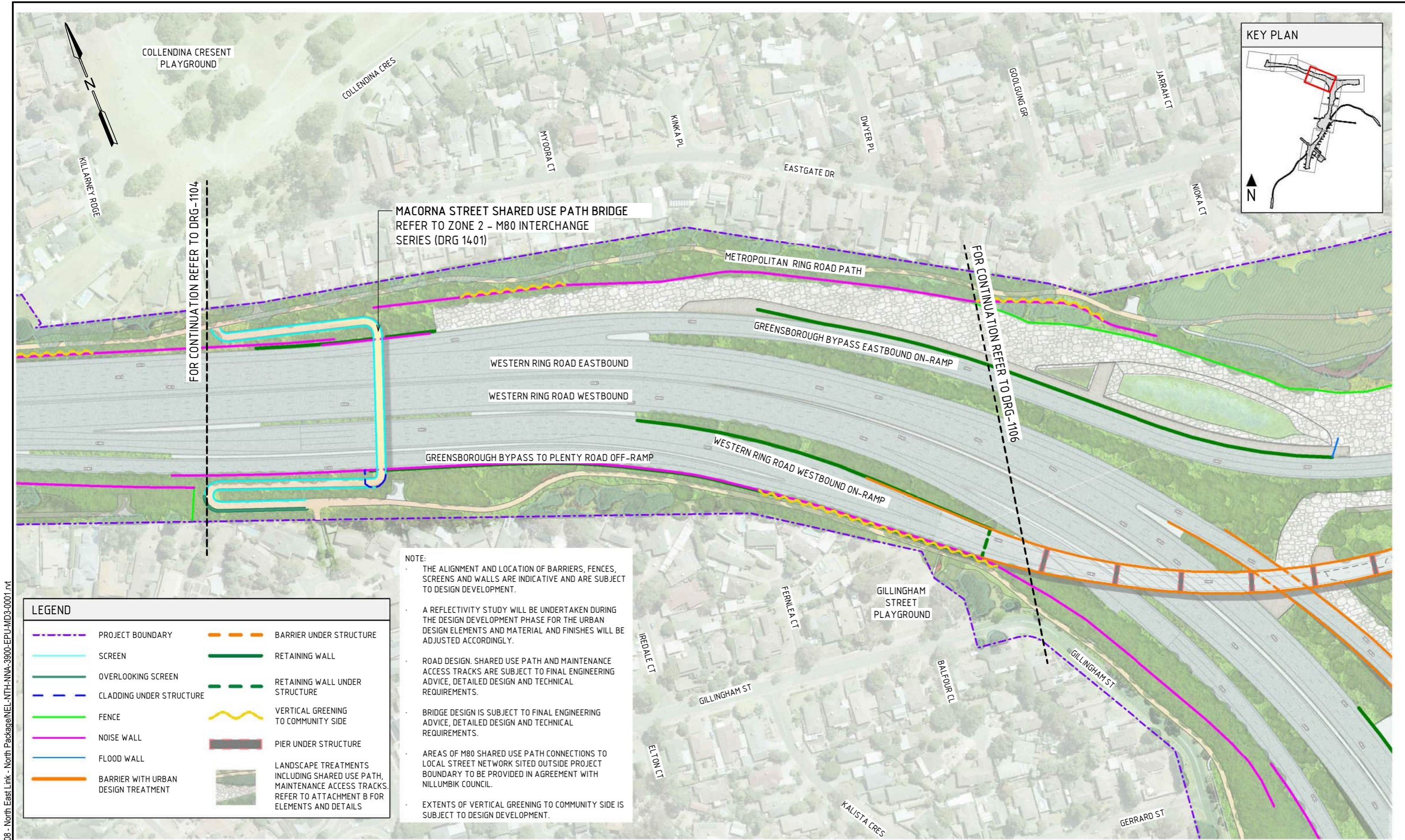
**GENERAL ARRANGEMENT PLAN - ZONE 1C**  
SCALE 1:2000



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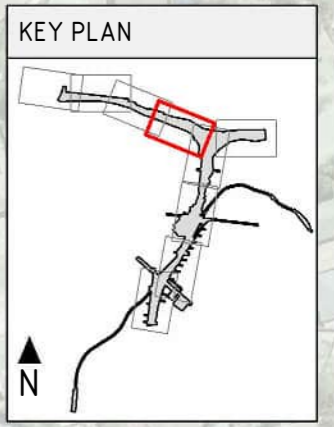
© North East Link Program		<table border="1"> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>5</td> <td>UDLP FINAL SUBMISSION</td> <td>21/08/24</td> </tr> <tr> <td>4</td> <td>UDLP FINAL SUBMISSION IEA</td> <td>02/08/24</td> </tr> <tr> <td>3</td> <td>UDLP REVISION 1</td> <td>29/01/24</td> </tr> <tr> <td>2</td> <td>UDLP IEA REVIEW</td> <td>21/12/23</td> </tr> <tr> <td>1</td> <td>PUBLIC EXHIBITION</td> <td>25/09/23</td> </tr> </table>		REV.	DESCRIPTION	DATE	5	UDLP FINAL SUBMISSION	21/08/24	4	UDLP FINAL SUBMISSION IEA	02/08/24	3	UDLP REVISION 1	29/01/24	2	UDLP IEA REVIEW	21/12/23	1	PUBLIC EXHIBITION	25/09/23	<table border="1"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </table>		NAME	DATE	E. CASTILLO	21/08/24	M. SPYROPOULOS	21/08/24	M. FERNANDO	21/08/24	L. ANDERSON	21/08/24	Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p>Security Classification: <b>OFFICIAL: Sensitive</b></p> <p>CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt</p>		<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ZONE PLANS GENERAL ARRANGEMENT PLAN - ZONE 1C</p>		<p>PROJECT CONTRACT: NORTH</p> <p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1104</p>		<p>SUIT. CODE: 5</p> <p>REVISION: 5</p>	
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COLLENDINA CRESENT PLAYGROUND

MACORNA STREET SHARED USE PATH BRIDGE  
REFER TO ZONE 2 - M80 INTERCHANGE SERIES (DRG 14-01)



FOR CONTINUATION REFER TO DRG-1104

FOR CONTINUATION REFER TO DRG-1106

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EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

LEGEND	
	PROJECT BOUNDARY
	BARRIER UNDER STRUCTURE
	SCREEN
	RETAINING WALL
	OVERLOOKING SCREEN
	RETAINING WALL UNDER STRUCTURE
	CLADDING UNDER STRUCTURE
	VERTICAL GREENING TO COMMUNITY SIDE
	FENCE
	NOISE WALL
	FLOOD WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	PIER UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

GENERAL ARRANGEMENT PLAN - ZONE 1D  
SCALE 1:2000

1:2000 DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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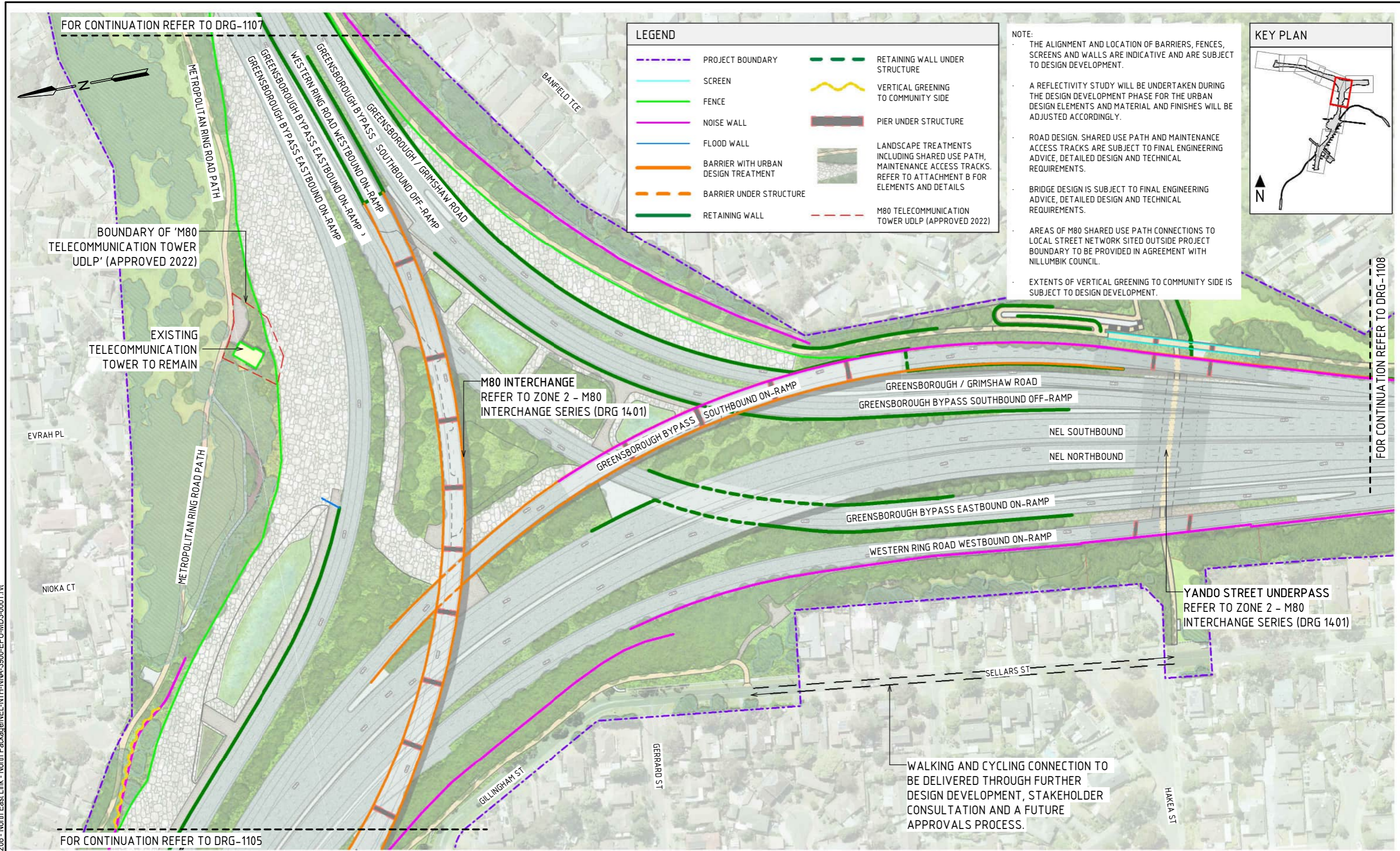
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<b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ZONE PLANS GENERAL ARRANGEMENT PLAN - ZONE 1D	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1105
SUIT. CODE	REVISION 5

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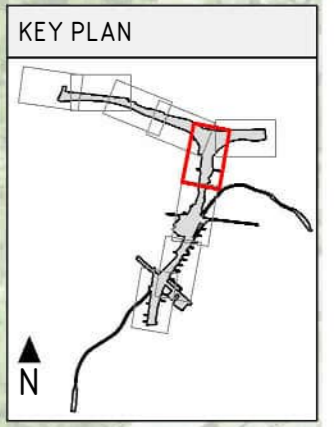




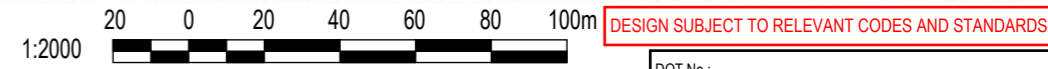
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	M80 TELECOMMUNICATION TOWER UDLP (APPROVED 2022)

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GENERAL ARRANGEMENT PLAN - ZONE 2A  
SCALE 1:2000

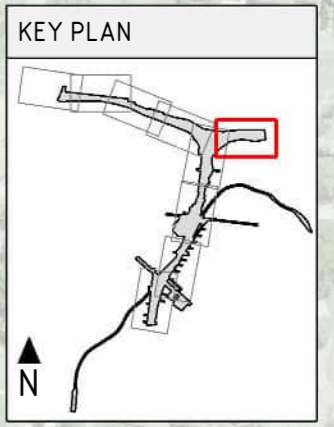


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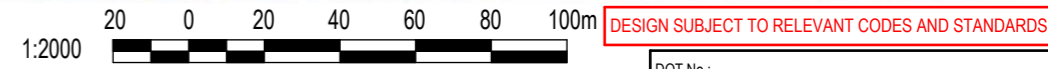


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	SCREEN
	FENCE
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
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	RETAINING WALL UNDER STRUCTURE
	PIER UNDER STRUCTURE
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**GENERAL ARRANGEMENT PLAN - ZONE 2B**  
SCALE 1:2000



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3	UDLP REVISION 1	29/01/24
2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

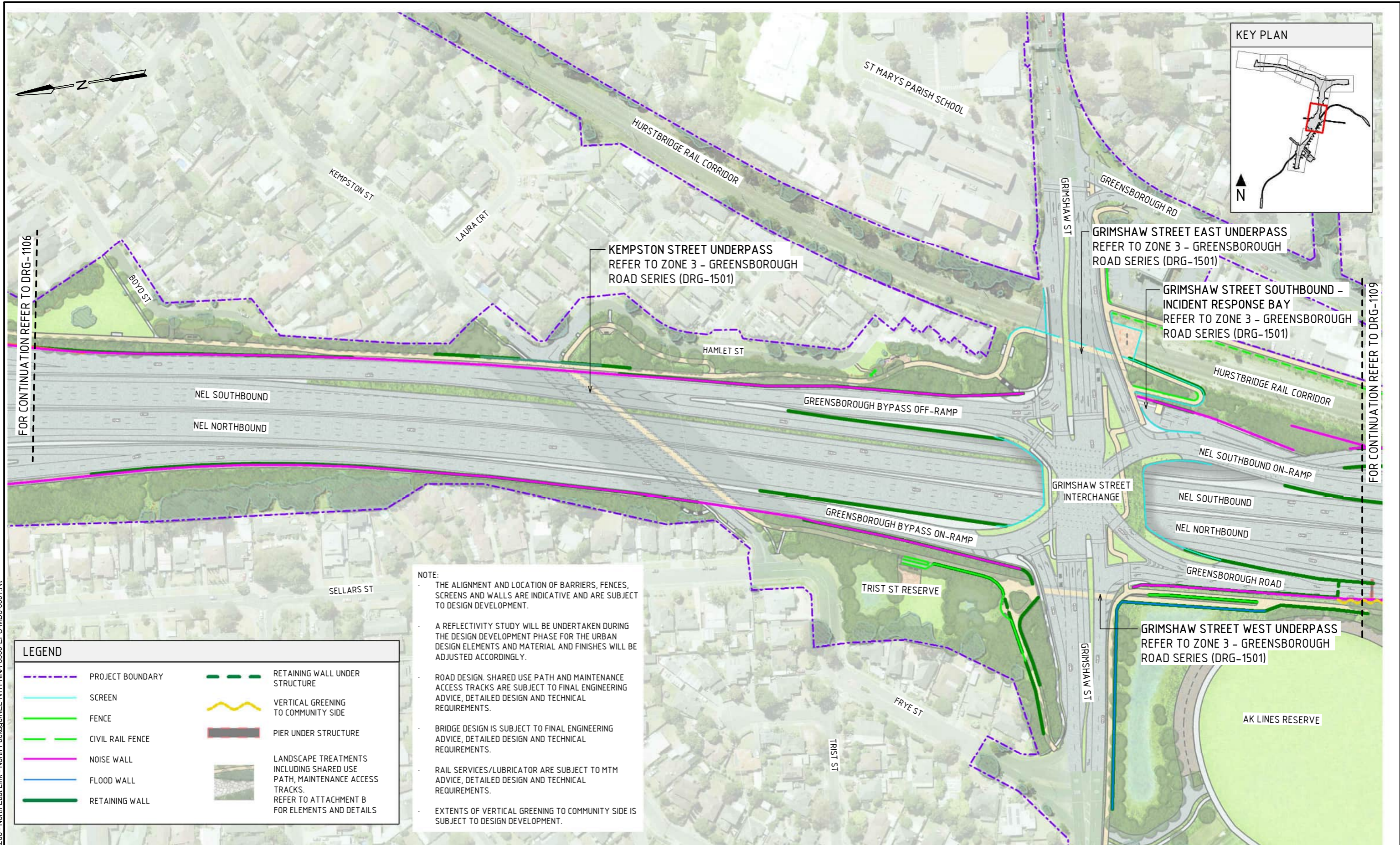
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DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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<b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ZONE PLANS GENERAL ARRANGEMENT PLAN - ZONE 2B	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1107
SUIT. CODE	REVISION 5





FOR CONTINUATION REFER TO DRG-1106

FOR CONTINUATION REFER TO DRG-1109

LEGEND	
	PROJECT BOUNDARY
	SCREEN
	FENCE
	CIVIL RAIL FENCE
	NOISE WALL
	FLOOD WALL
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	VERTICAL GREENING TO COMMUNITY SIDE
	PIER UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

**NOTE:**

- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ROAD DESIGN: SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- RAIL SERVICES/LUBRICATOR ARE SUBJECT TO MTM ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

**GENERAL ARRANGEMENT PLAN - ZONE 3A**  
SCALE 1:2000

1:2000 DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE PLANS  
GENERAL ARRANGEMENT PLAN - ZONE 3A

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1108

SUIT. CODE: NORTH

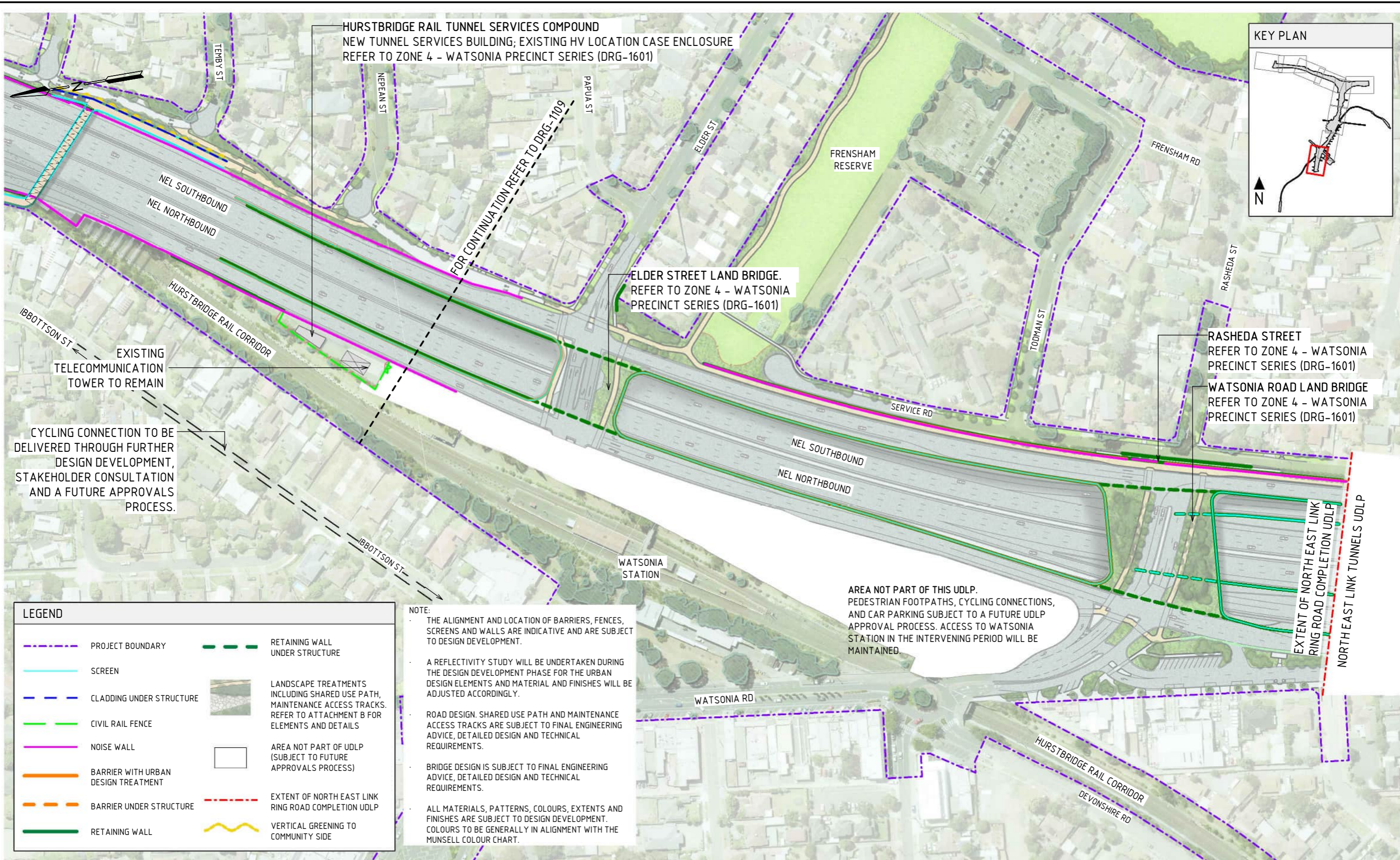
REVISION: 5

Note: \* Indicates signed documents as drawings will not have wet signatures.

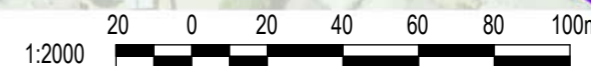








GENERAL ARRANGEMENT PLAN - ZONE 4  
SCALE 1:2000



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**Scale:** 1:2000  
**Size:** A3  
**Drawn:** AECOM

**Security Classification:** OFFICIAL: Sensitive  
**CAD FILE:** NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

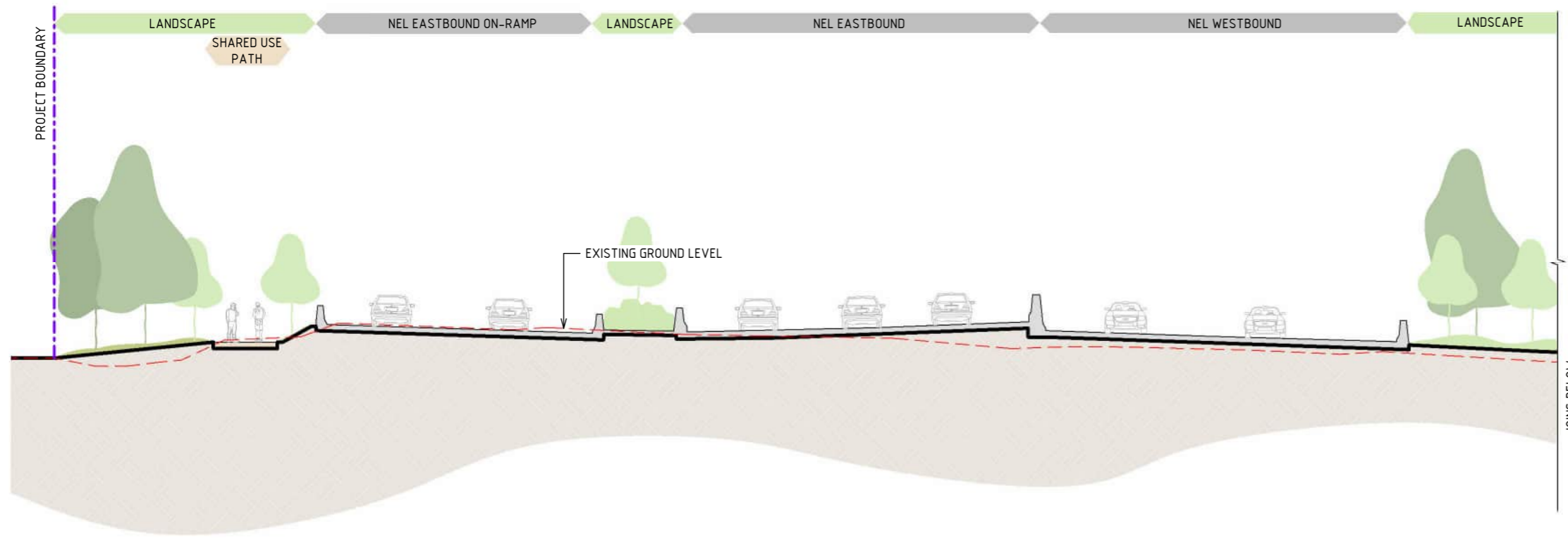
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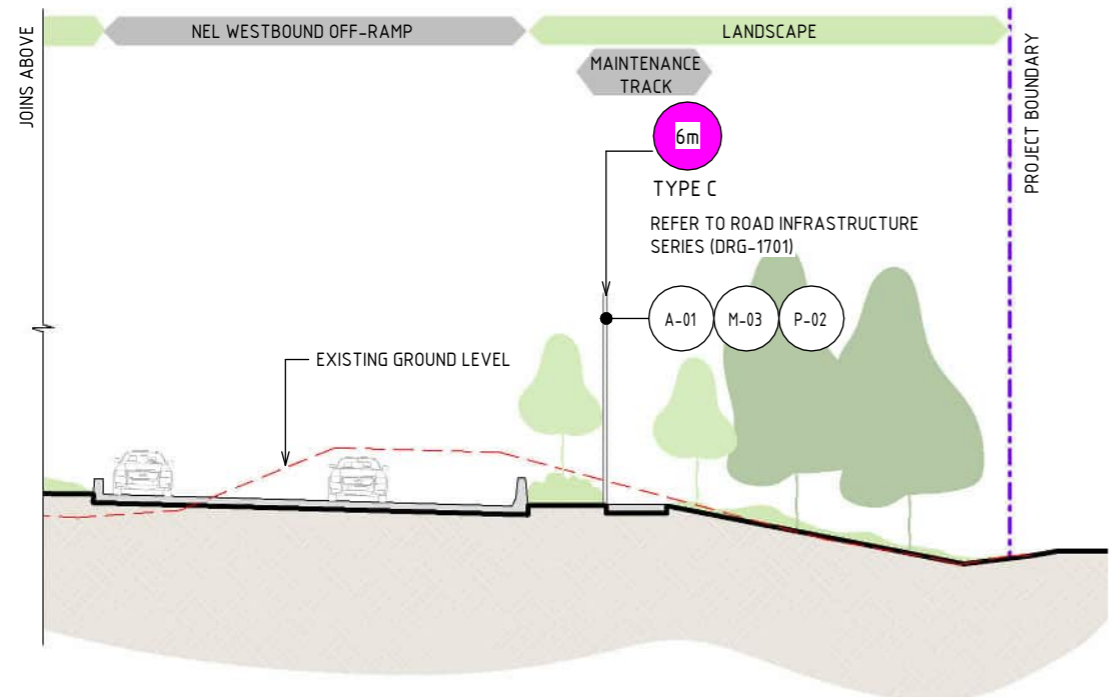




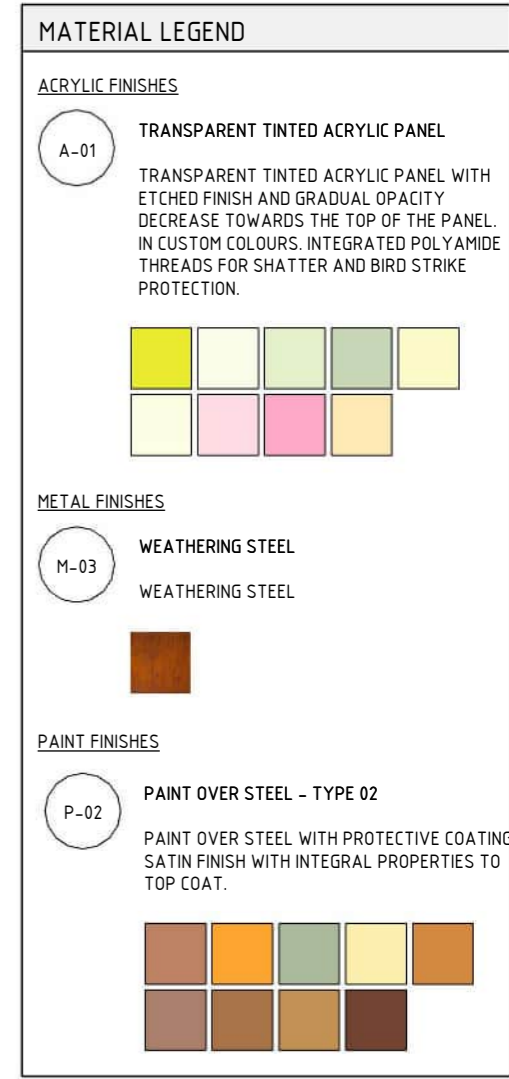
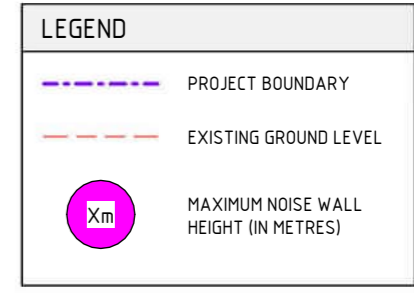
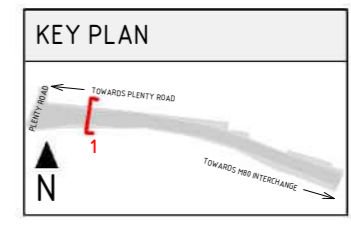
TO ENTERPRISE DRIVE



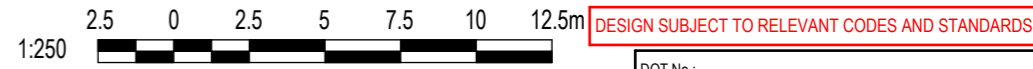
TO HUGHES CIRCUIT



1 ZONE 1 - M80 RING ROAD SECTION  
SCALE : 1 : 250



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  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.



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VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

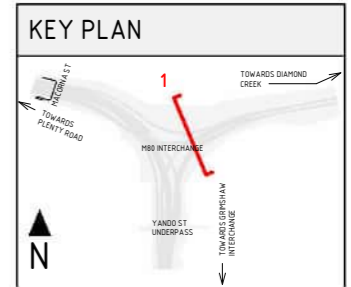
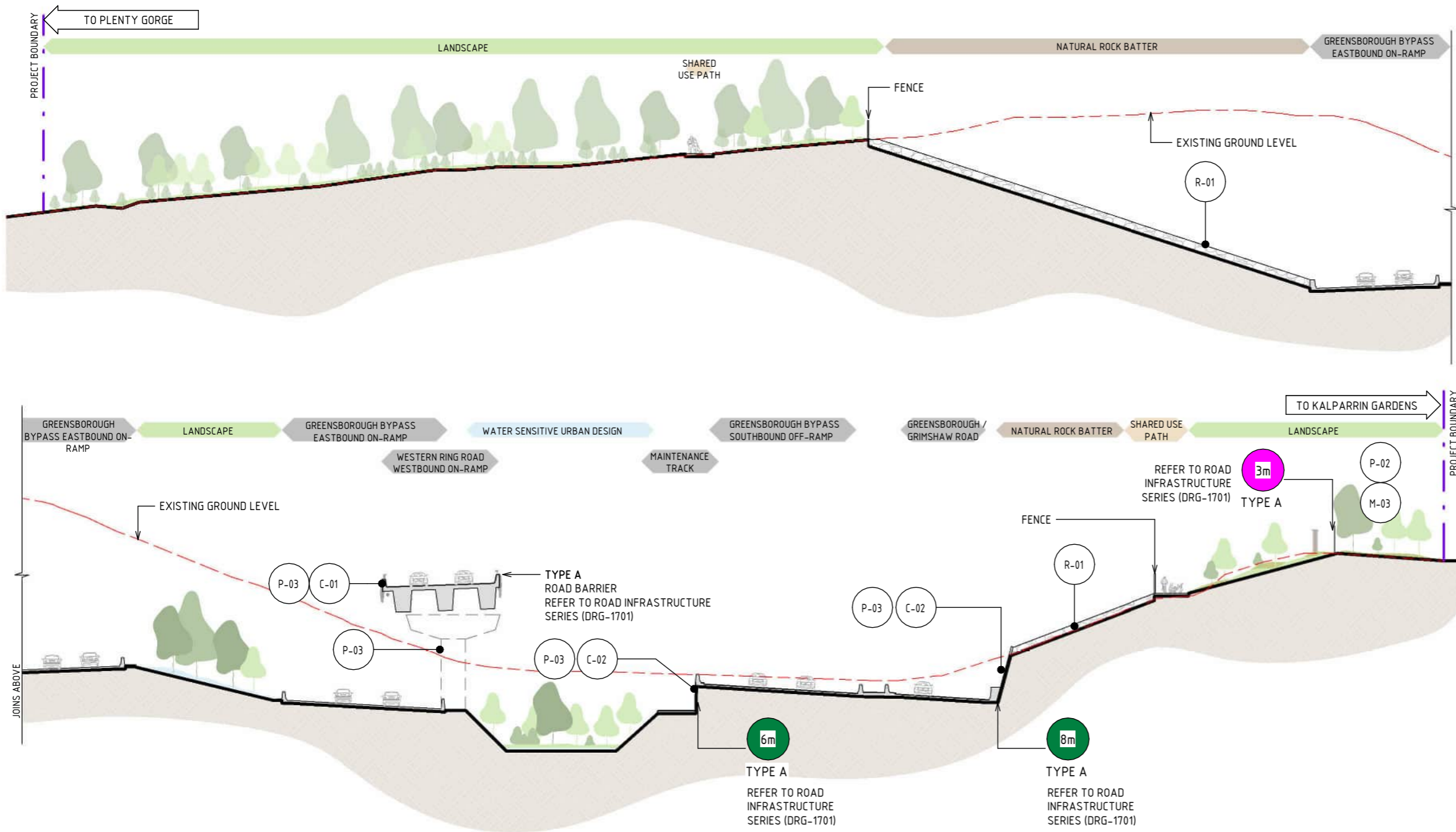
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Logos for Sacciona, MIRA, and AECOM.

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NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
URBAN DESIGN SECTIONS	
SECTIONS - ZONE 1 - M80	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1202
SUIT. CODE	REVISION 5

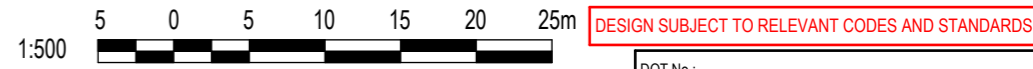
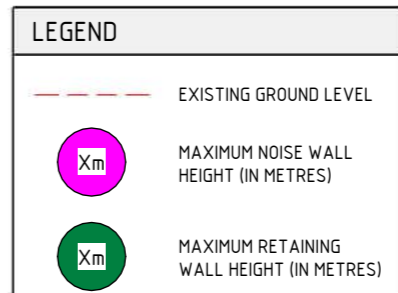




MATERIAL LEGEND	
<b>ACRYLIC FINISHES</b>	
A-01	TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.
<b>CONCRETE FINISHES</b>	
C-01	CONCRETE WITH INTEGRAL FINISH
C-02	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.
C-02	SHOTCRETE SHOTCRETE FINISH.
<b>ROCK BATTER</b>	
R-01	NATURAL ROCK BATTER
<b>PAINT FINISHES</b>	
P-03	PAINT OVER CONCRETE - TYPE 01 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

**1 ZONE 2 - M80 INTERCHANGE SECTION - M80 TRAIL TO GREENSBOROUGH BYPASS PATH**  
SCALE: 1:500

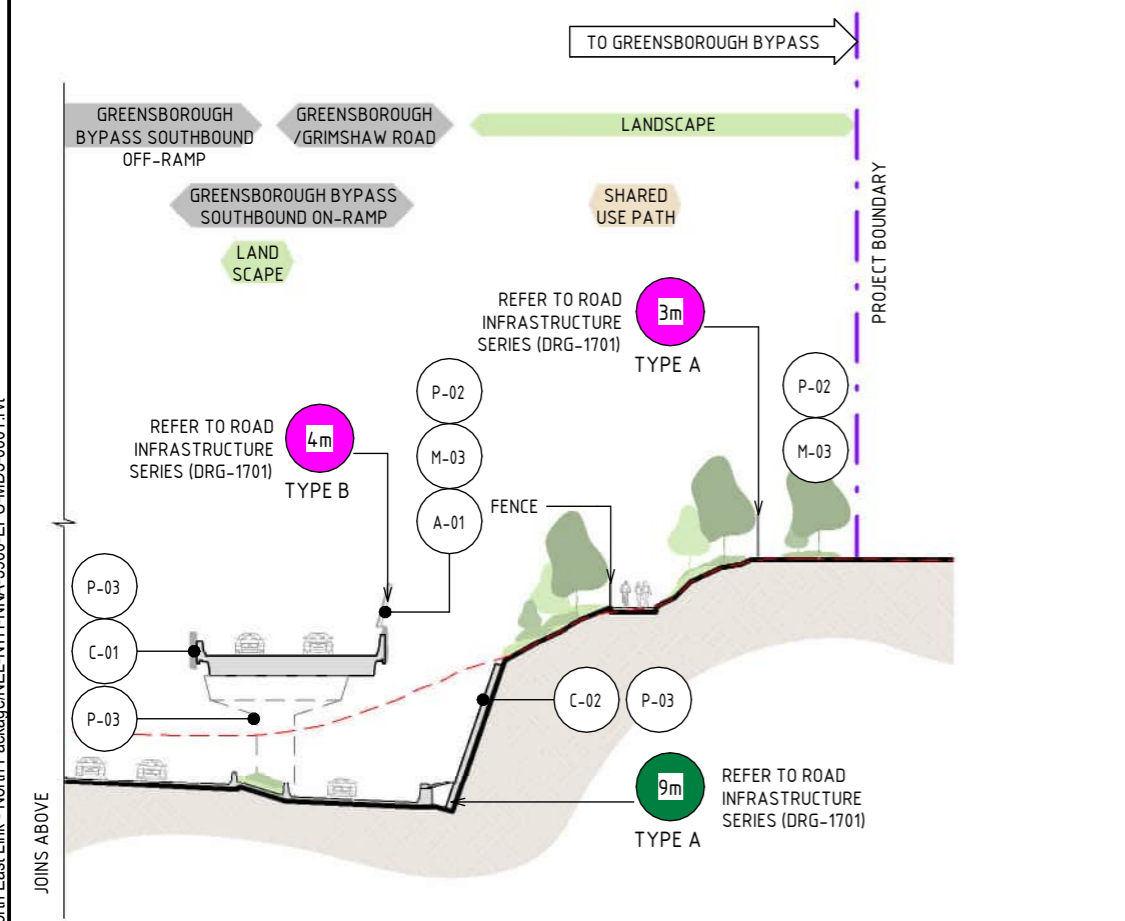
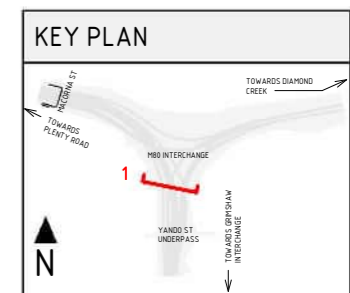
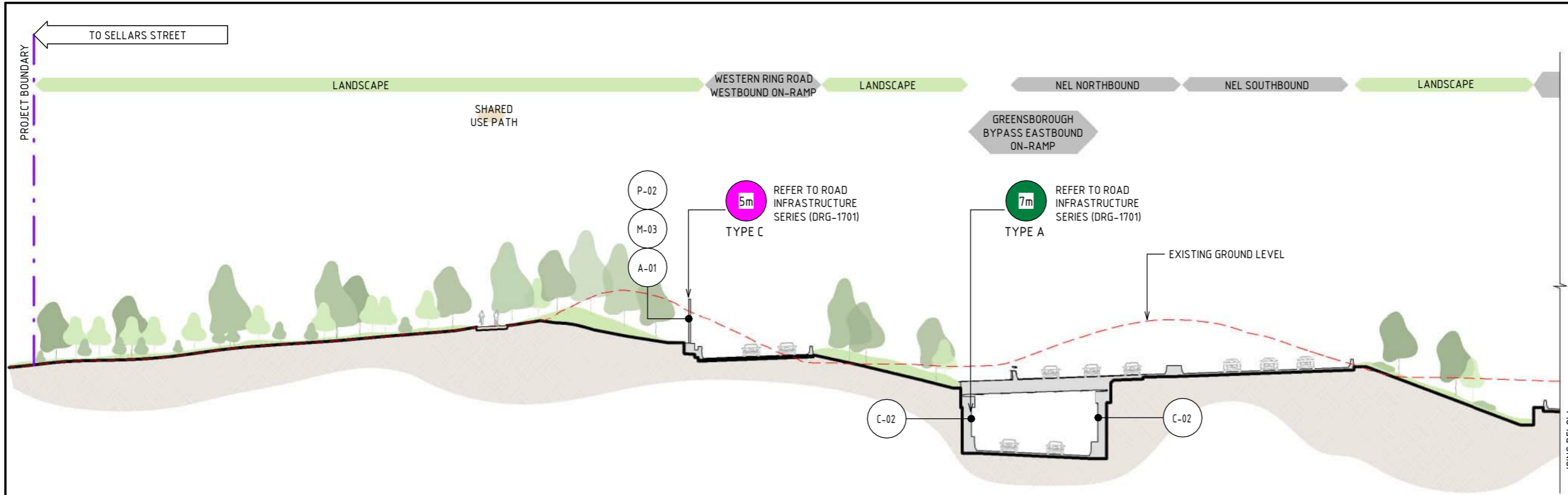
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  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
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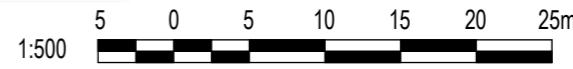


MATERIAL LEGEND	
<b>ACRYLIC FINISHES</b>	
A-01	TRANSPARENT TINTED ACRYLIC PANEL TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.
<b>CONCRETE FINISHES</b>	
C-01	CONCRETE WITH INTEGRAL FINISH CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.
C-02	SHOTCRETE SHOTCRETE FINISH.
<b>METAL FINISHES</b>	
M-03	WEATHERING STEEL WEATHERING STEEL
<b>PAINT FINISHES</b>	
P-02	PAINT OVER STEEL - TYPE 02 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
P-03	PAINT OVER CONCRETE - TYPE 01 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

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1 ZONE 2 - M80 INTERCHANGE SECTION SELLARS STREET TO GREENSBOROUGH BYPASS PATH  
SCALE : 1 : 500



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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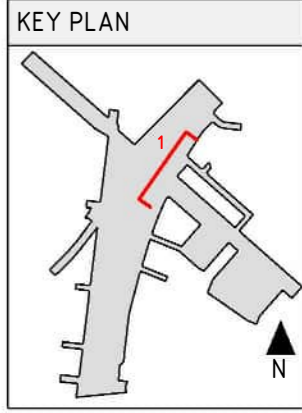
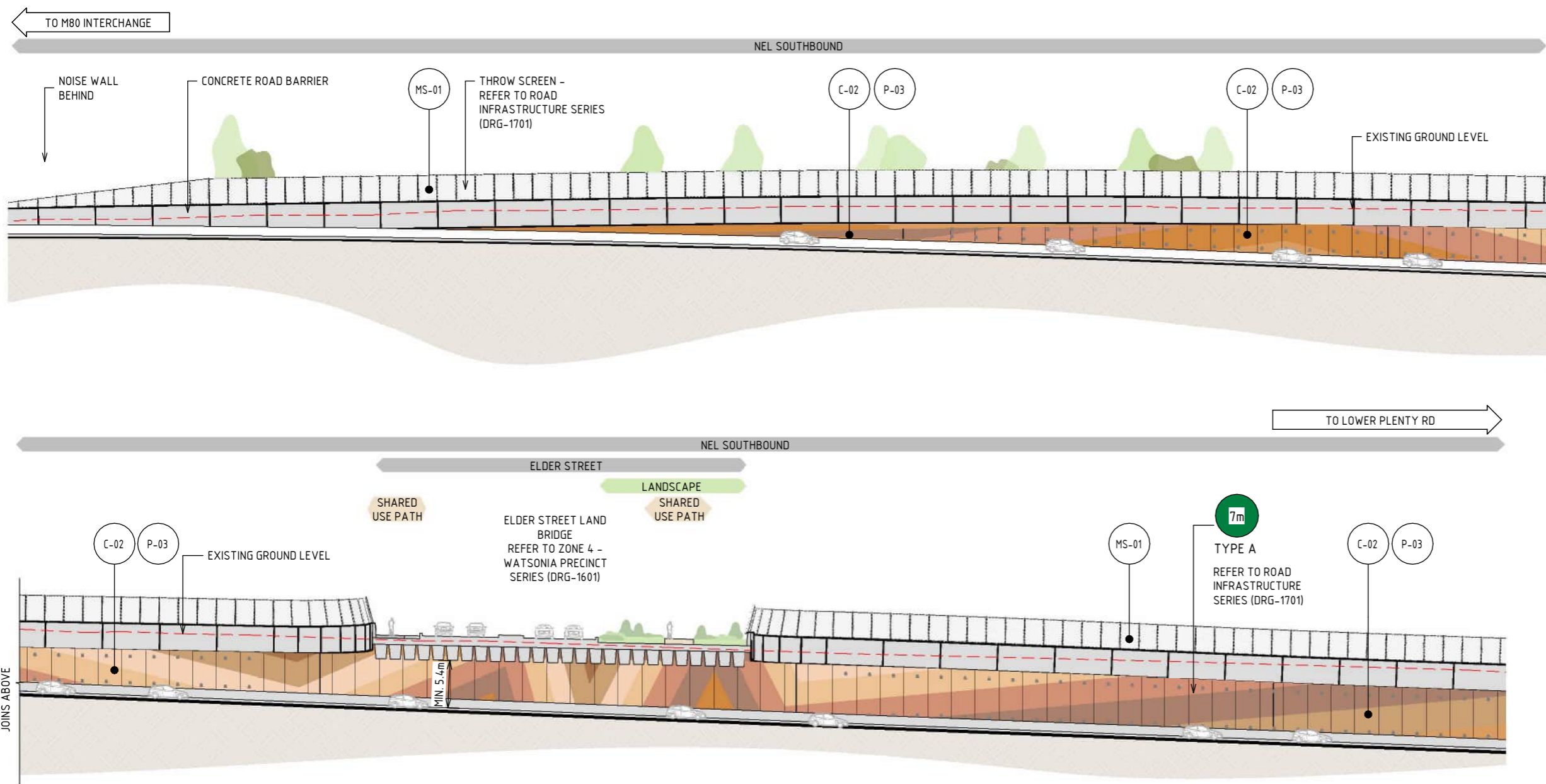
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NORTH EAST LINK PROGRAM	
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URBAN DESIGN SECTIONS	
SECTIONS - ZONE 2 - M80 INTERCHANGE	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1204
SUIT. CODE	REVISION 5







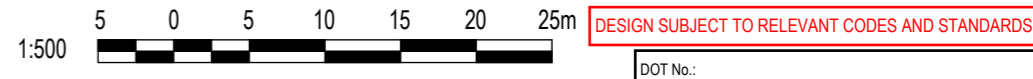


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  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE, RETAINING WALLS AND THROW SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

1 ZONE 4 - WATSONIA PRECINCT - WATSONIA TRENCH AND ELDER STREET LAND BRIDGE SECTION  
SCALE: 1:500

LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

MATERIAL LEGEND	
<b>MESH FINISHES</b>	
	WIRE MESH PROTECTION SCREEN
	WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.
<b>CONCRETE FINISHES</b>	
	SHOTCRETE
	SHOTCRETE FINISH.
<b>PAINT FINISHES</b>	
	PAINT OVER CONCRETE - TYPE 01
	PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

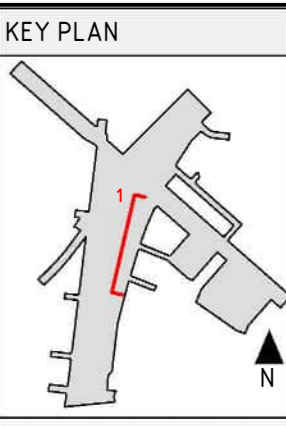
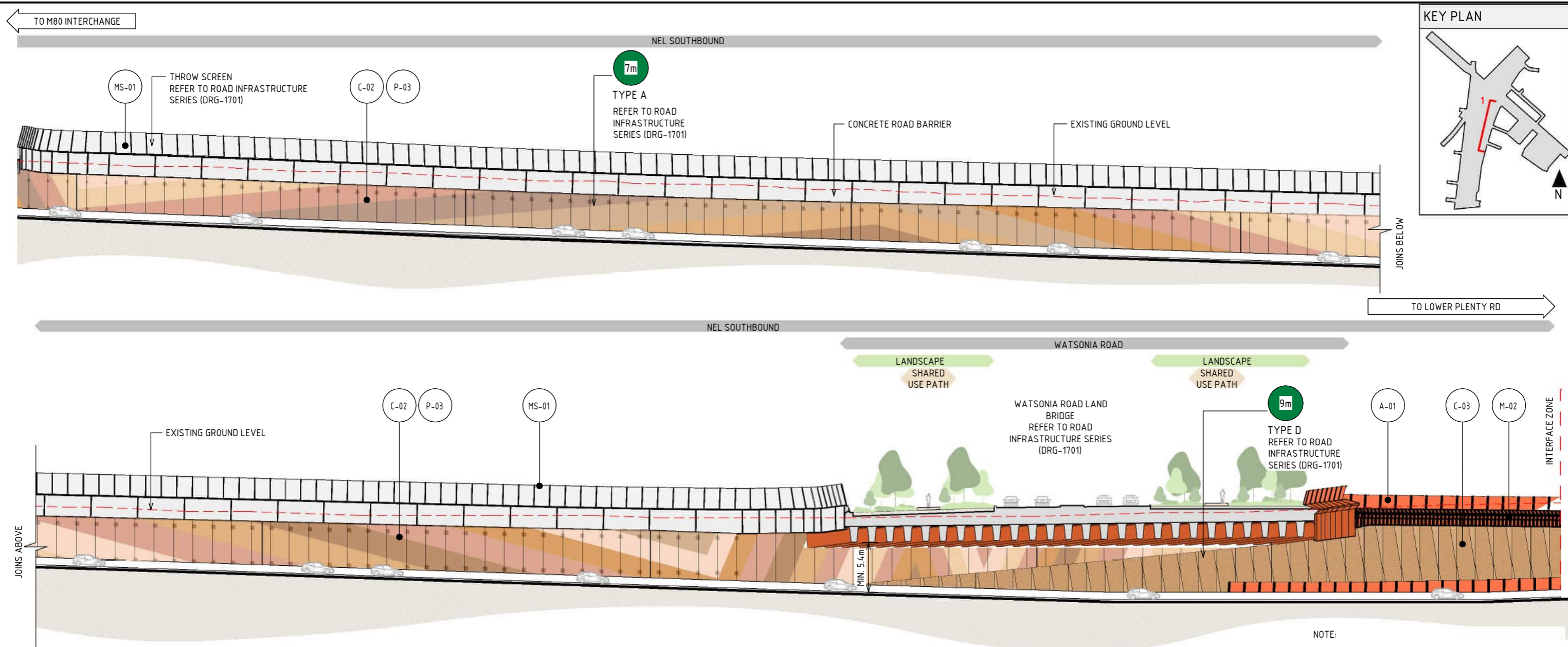


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Note: \* Indicates signed documents as drawings will not have wet signatures.



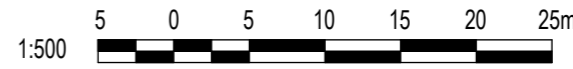


1 ZONE 4 - WATSONIA PRECINCT - WATSONIA TRENCH AND WATSONIA ROAD LAND BRIDGE SECTION  
SCALE : 1 : 500

ACRYLIC FINISHES		MESH FINISHES		PAINT FINISHES		CONCRETE FINISHES	
A-01	TRANSPARENT TINTED ACRYLIC PANEL TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.	MS-01	WIRE MESH PROTECTION SCREEN WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.	P-03	PAINT OVER CONCRETE - TYPE 01 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.	C-02	SHOTCRETE SHOTCRETE FINISH.
		M-02	SOLID ALUMINIUM PANEL SOLID ALUMINIUM PANEL TO CUSTOM ARCHITECTURAL PROFILE WITH SATIN PVDF FINISH, IN CUSTOM COLOURS. FULL HEIGHT CLEAR NON SACRIFICIAL, NON-FILM FORMING COATING. NOTE - TO MATCH TUNNELS UDLP			C-03	PRECAST CONCRETE (TRENCH) PRECAST CONCRETE TEXTURED PANEL WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE WITH OXIDE COLOUR. NOTE - TO MATCH TUNNELS UDLP

LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

- NOTE:
- THE ALIGNMENT AND LOCATION OF BARRIERS FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
  - ALL MATERIALS, PATTERNS, COLOURS AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSSELL COLOUR CHART.
  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE, RETAINING WALLS AND THROW SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

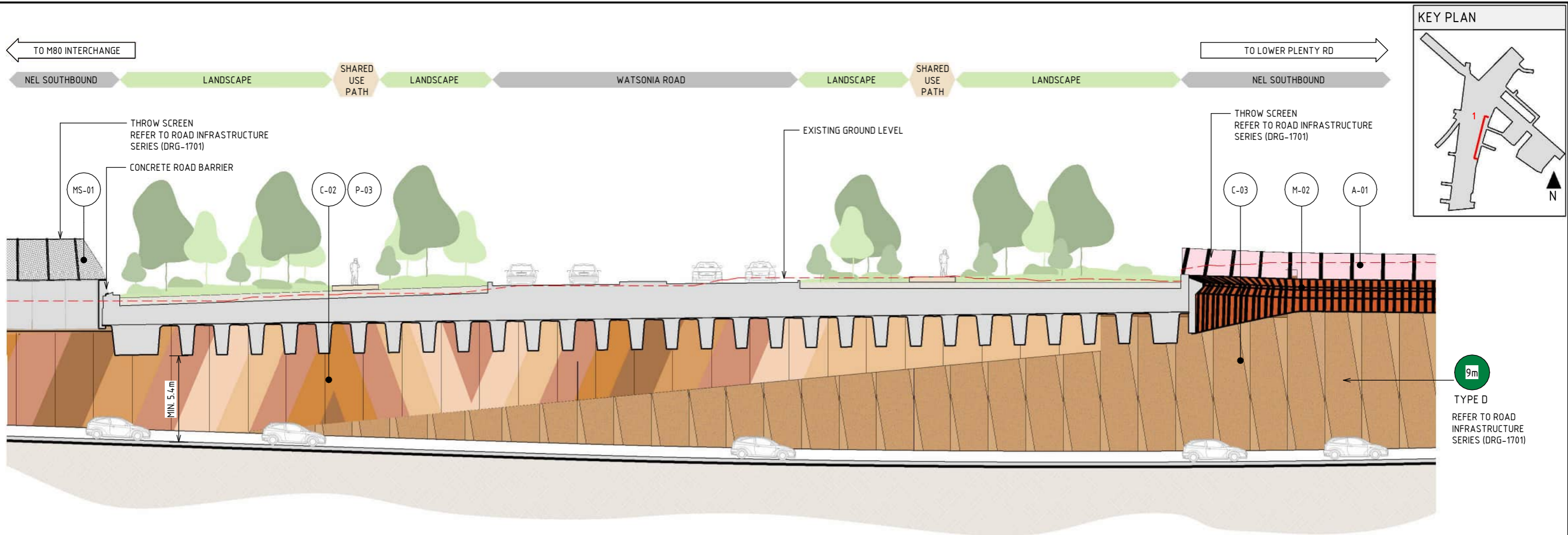


DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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1 ZONE 4 - WATSONIA PRECINCT - WATSONIA ROAD LAND BRIDGE - SECTION  
SCALE: 1:250

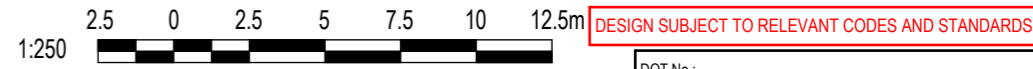
**MATERIAL LEGEND**

ACRYLIC FINISHES	MESH FINISHES	PAINT FINISHES	CONCRETE FINISHES
<p><b>A-01</b> TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.</p>	<p><b>MS-01</b> WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.</p> <p><b>M-02</b> SOLID ALUMINIUM PANEL TO CUSTOM ARCHITECTURAL PROFILE WITH SATIN PVDF FINISH, IN CUSTOM COLOURS. FULL HEIGHT CLEAR NON SACRIFICIAL, NON-FILM FORMING COATING. NOTE - TO MATCH TUNNELS UDLP</p>	<p><b>P-03</b> PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>	<p><b>C-02</b> SHOTCRETE SHOTCRETE FINISH.</p> <p><b>C-03</b> PRECAST CONCRETE (TRENCH) PRECAST CONCRETE TEXTURED PANEL WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE WITH OXIDE COLOUR. NOTE - TO MATCH TUNNELS UDLP</p>

**LEGEND**

- EXISTING GROUND LEVEL
- Xm MAXIMUM RETAINING WALL HEIGHT (IN METRES)

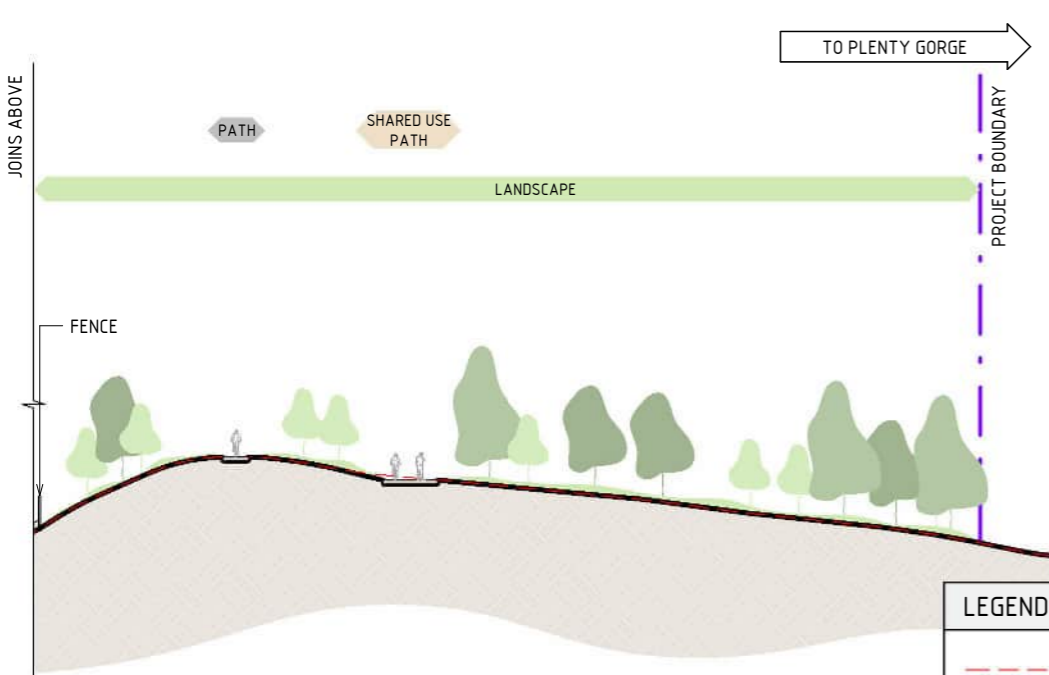
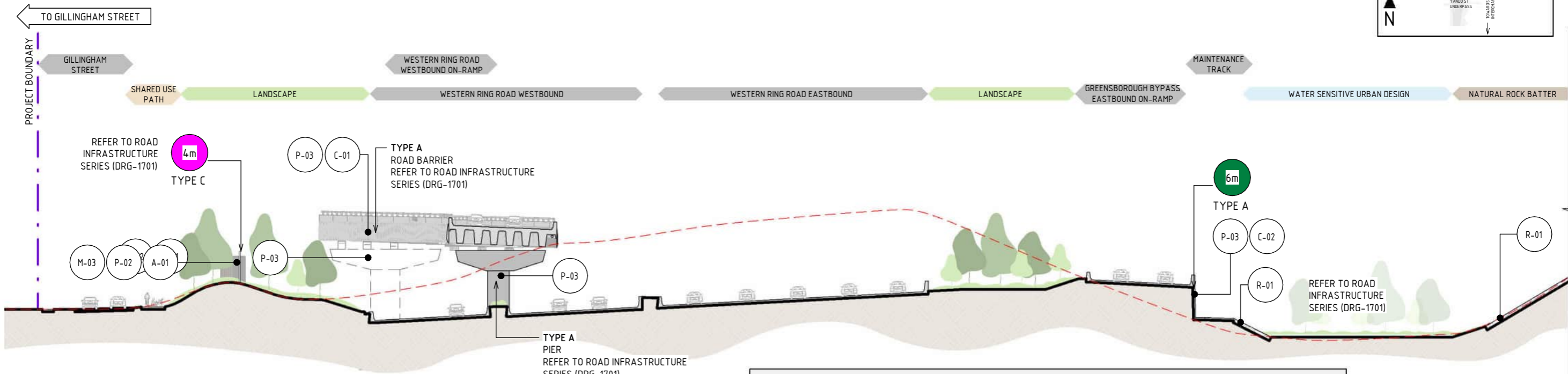
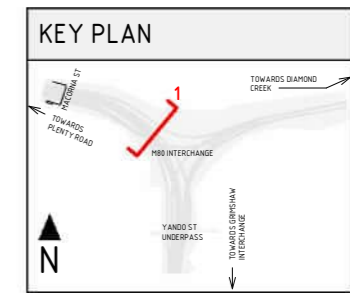
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### MATERIAL LEGEND

ACRYLIC FINISHES		METAL FINISHES	
A-01	TRANSPARENT TINTED ACRYLIC PANEL	M-03	WEATHERING STEEL
	TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.		WEATHERING STEEL
CONCRETE FINISHES		PAINT FINISHES	
C-01	CONCRETE WITH INTEGRAL FINISH	P-02	PAINT OVER STEEL - TYPE 02
	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.		PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
C-02	SHOTCRETE	P-03	PAINT OVER CONCRETE - TYPE 01
	SHOTCRETE FINISH.		PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.
ROCK BATTER			
R-01	NATURAL ROCK BATTER		
	NATURAL ROCK BATTER		

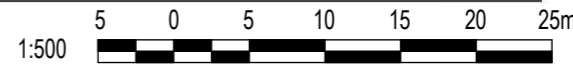
### LEGEND

	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

**NOTE:**

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**1 ZONE-2 - M80 INTERCHANGE - SECTION THROUGH THE CENTRAL WETLAND**  
SCALE: 1:500



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

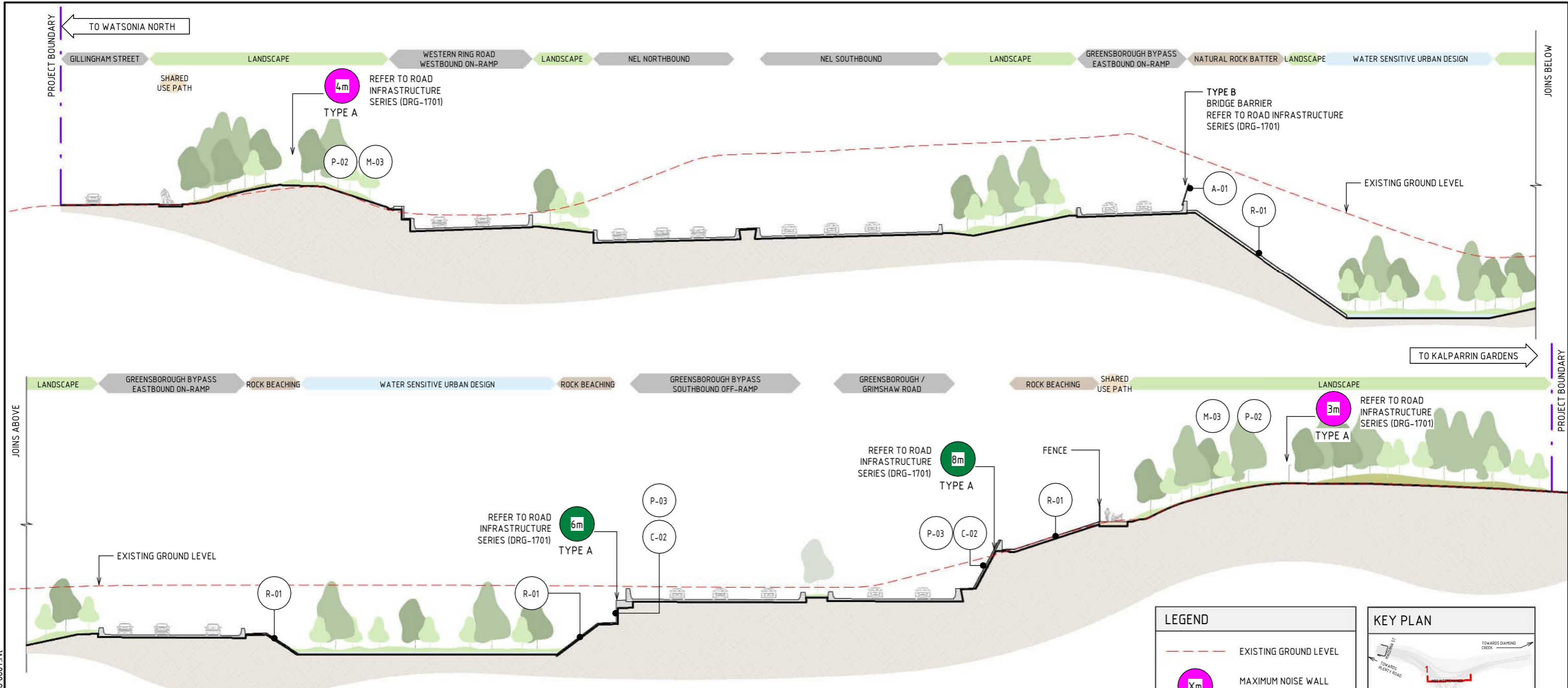
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© North East Link Program		<table border="1"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>DRAFTING CHECKED BY: E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>DESIGNED BY: M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>ENGINEERING CHECKED BY: M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>VERIFIED BY: L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>APPROVED BY: Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </table>		NAME	DATE	DRAFTING CHECKED BY: E. CASTILLO	21/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24	VERIFIED BY: L. ANDERSON	21/08/24	APPROVED BY: Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN URBAN DESIGN SECTIONS SECTIONS - ZONE 2 - M80 INTERCHANGE</p>		<p>Security Classification: <b>OFFICIAL: Sensitive</b></p>		<p>PROJECT CONTRACT: NORTH</p>		<p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1209</p>		<p>SUIT. CODE REVISION 5</p>	
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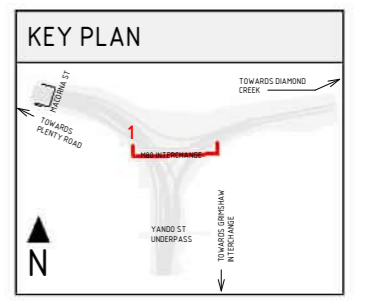




**1 ZONE-2 - M80 INTERCHANGE SECTION - GILLINGHAM STREET TO GREENSBOROUGH BYPASS PATH**  
SCALE : 1 : 500

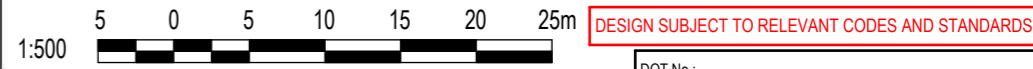
ACRYLIC FINISHES		CONCRETE FINISHES		METAL FINISHES		PAINT FINISHES		ROCK BATTER	
A-01	TRANSPARENT TINTED ACRYLIC PANEL	C-01	CONCRETE WITH INTEGRAL FINISH	M-03	WEATHERING STEEL	P-03	PAINT OVER CONCRETE - TYPE 01	R-01	NATURAL ROCK BATTER
	TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.		CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.		WEATHERING STEEL		PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.		NATURAL ROCK BATTER
			SHOTCRETE						ROCK BEACHING
			SHOTCRETE FINISH.						ROCK BEACHING TREATMENT

LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)



**NOTE:**

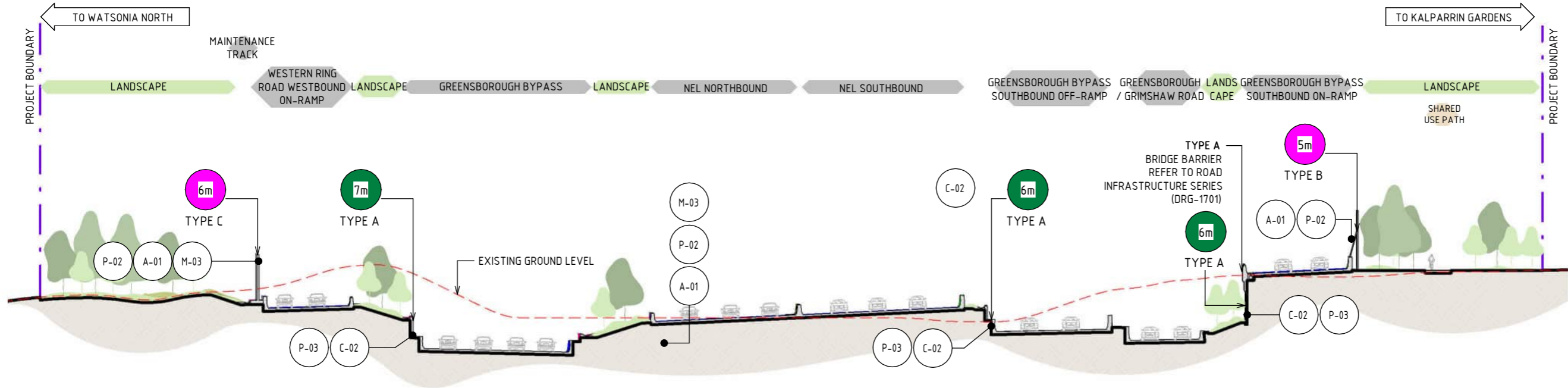
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- EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
- MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.



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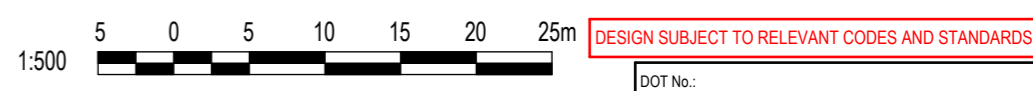


1 ZONE 2 - M80 INTERCHANGE SECTION - WESTERN RING ROAD WESTBOUND TO GREENSBOROUGH BYPASS  
SCALE : 1 : 500

MATERIAL LEGEND	
<b>ACRYLIC FINISHES</b>	<b>CONCRETE FINISHES</b>
A-01 TRANSPARENT TINTED ACRYLIC PANEL TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.	C-02 SHOTCRETE SHOTCRETE FINISH.
	<b>METAL FINISHES</b>
	M-03 WEATHERING STEEL WEATHERING STEEL 
<b>PAINT FINISHES</b>	
P-02 PAINT OVER STEEL - TYPE 02 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.	P-03 PAINT OVER CONCRETE - TYPE 01 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

- NOTE:
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  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

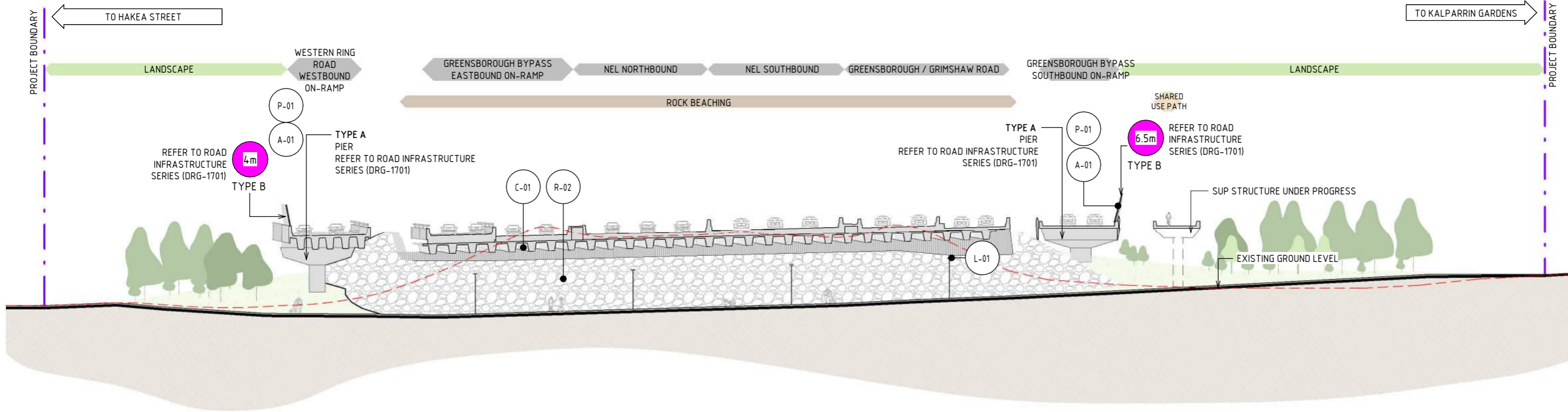


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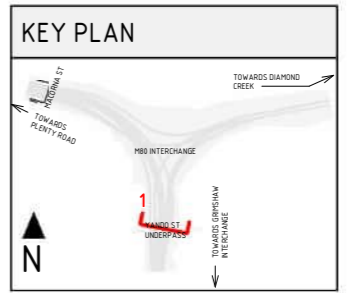




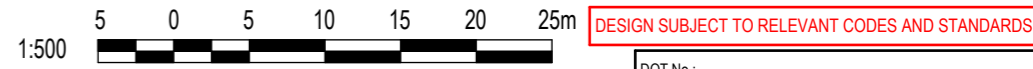
**1 ZONE 2 – M80 INTERCHANGE SECTION – YANDO STREET UNDERPASS**  
SCALE : 1 : 500

MATERIAL LEGEND			
<p><b>ACRYLIC FINISHES</b></p> <p><b>A-01</b> TRANSPARENT TINTED ACRYLIC PANEL</p> <p>TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.</p>	<p><b>CONCRETE FINISHES</b></p> <p><b>C-01</b> CONCRETE WITH INTEGRAL FINISH</p> <p>CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.</p> <p><b>M-03</b> WEATHERING STEEL</p> <p>WEATHERING STEEL</p>	<p><b>PAINT FINISHES</b></p> <p><b>P-02</b> PAINT OVER STEEL – TYPE 02</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p>	<p><b>ROCK BATTER</b></p> <p><b>R-02</b> ROCK BEACHING</p> <p>ROCK BEACHING TREATMENT</p> <p><b>LIGHTING</b></p> <p><b>L-01</b> LIGHTING</p> <p>LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.</p>

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LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

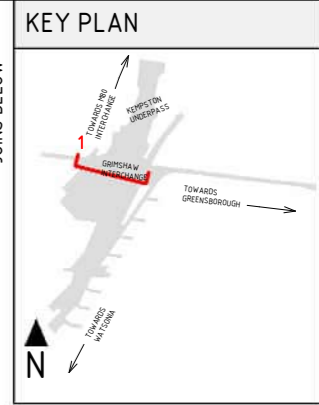
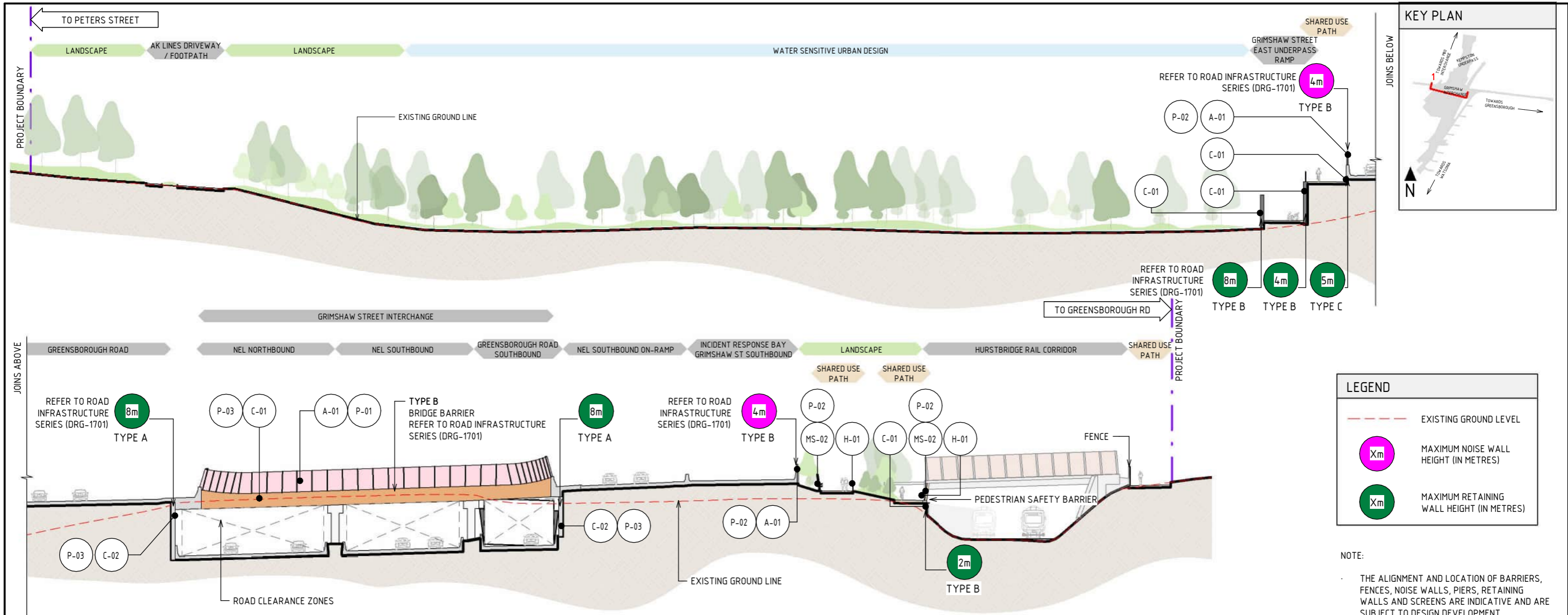


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**LEGEND**

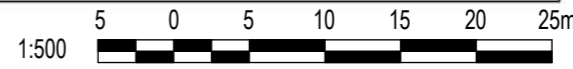
- EXISTING GROUND LEVEL
- (Xm) MAXIMUM NOISE WALL HEIGHT (IN METRES)
- (Xm) MAXIMUM RETAINING WALL HEIGHT (IN METRES)

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**1 ZONE 3 - GREENSBOROUGH ROAD SECTION - AK LINES WETLANDS AND GREENSBOROUGH ROAD**  
SCALE: 1:500

**MATERIAL LEGEND**

ACRYLIC FINISHES	CONCRETE FINISHES	MESH FINISHES	PAINT FINISHES
<p><b>A-01</b> TRANSPARENT TINTED ACRYLIC PANEL</p> <p>TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.</p>	<p><b>C-01</b> CONCRETE WITH INTEGRAL FINISH</p> <p>CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.</p> <p><b>C-02</b> SHOTCRETE</p> <p>SHOTCRETE FINISH.</p>	<p><b>MS-01</b> WIRE MESH PROTECTION SCREEN</p> <p>WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.</p> <p><b>MS-02</b> WIRE MESH PROTECTION SCREEN WITH PVDF FINISH IN CUSTOM COLOURS</p> <p>WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. PVDF FINISH IN CUSTOM COLOURS.</p>	<p><b>P-01</b> PAINT OVER STEEL - TYPE 01</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p> <p><b>P-02</b> PAINT OVER STEEL - TYPE 02</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p>
	<p><b>HANDRAIL FINISHES</b></p> <p><b>H-01</b> STAINLESS STEEL HANDRAIL</p> <p>CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.</p>		<p><b>P-03</b> PAINT OVER CONCRETE - TYPE 01</p> <p>PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>



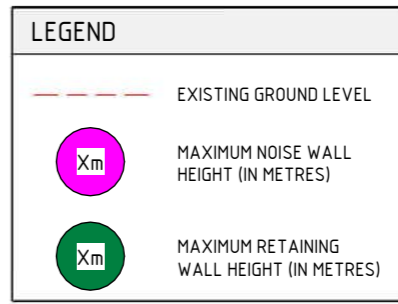
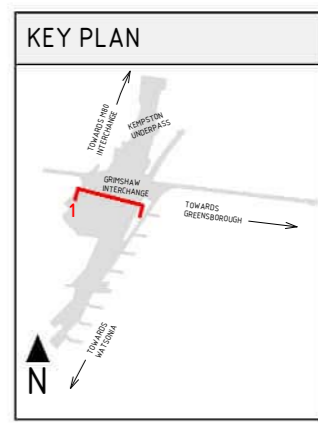
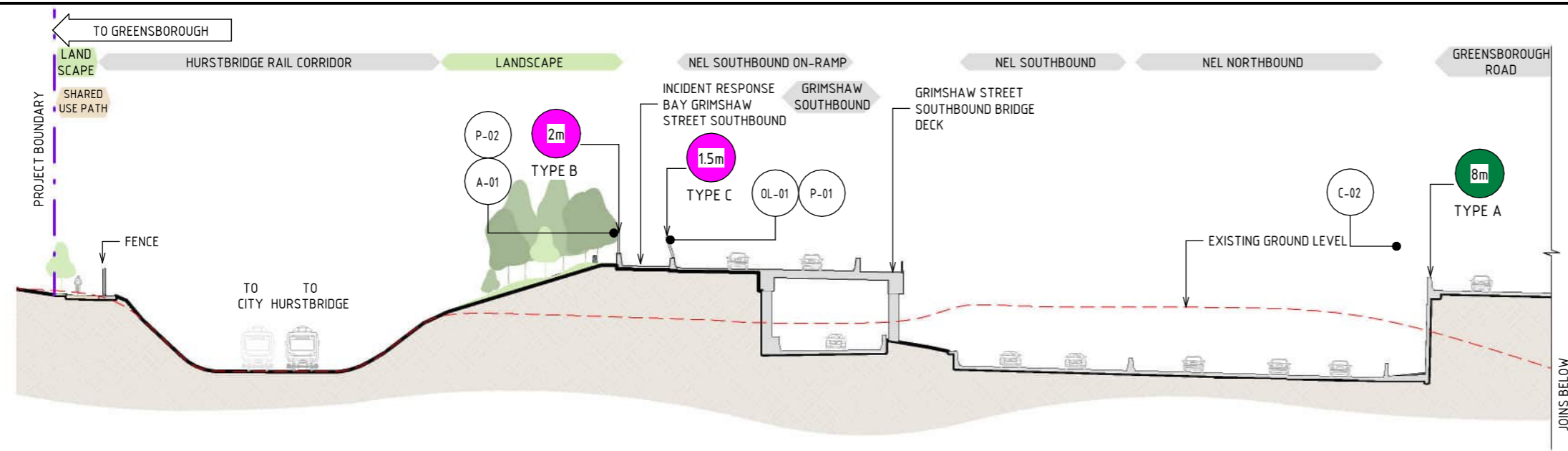
DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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A	UDLP FINAL SUBMISSION	02/08/24	Z. CVITKOVIC	21/08/24									

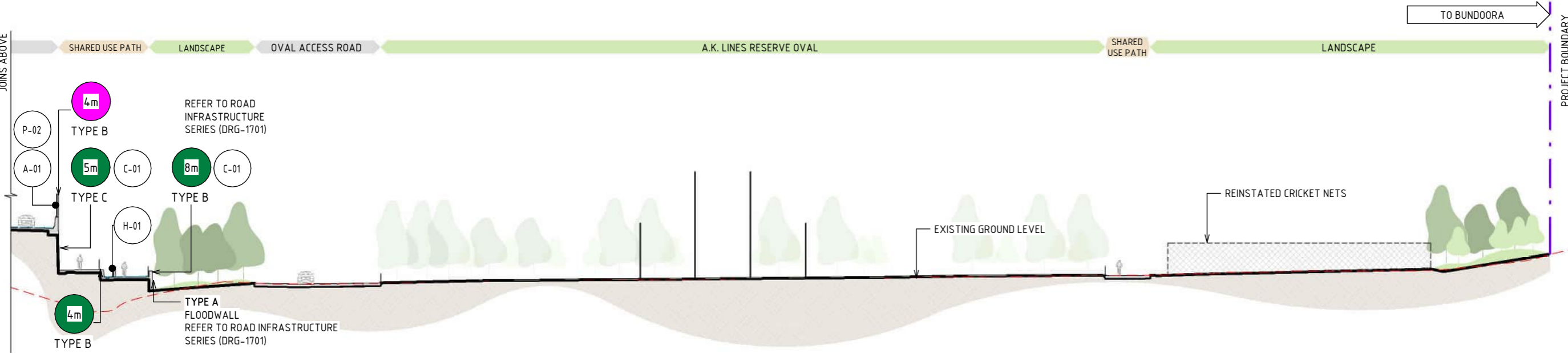
Note: \* Indicates signed documents as drawings will not have wet signatures.





NOTE:

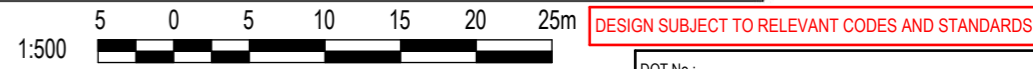
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, PIERS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
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- BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
- EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
- MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.



1 ZONE-3 - GREENSBOROUGH ROAD SECTION - AK LINES AND GREENSBOROUGH ROAD  
SCALE: 1:500

MATERIAL LEGEND

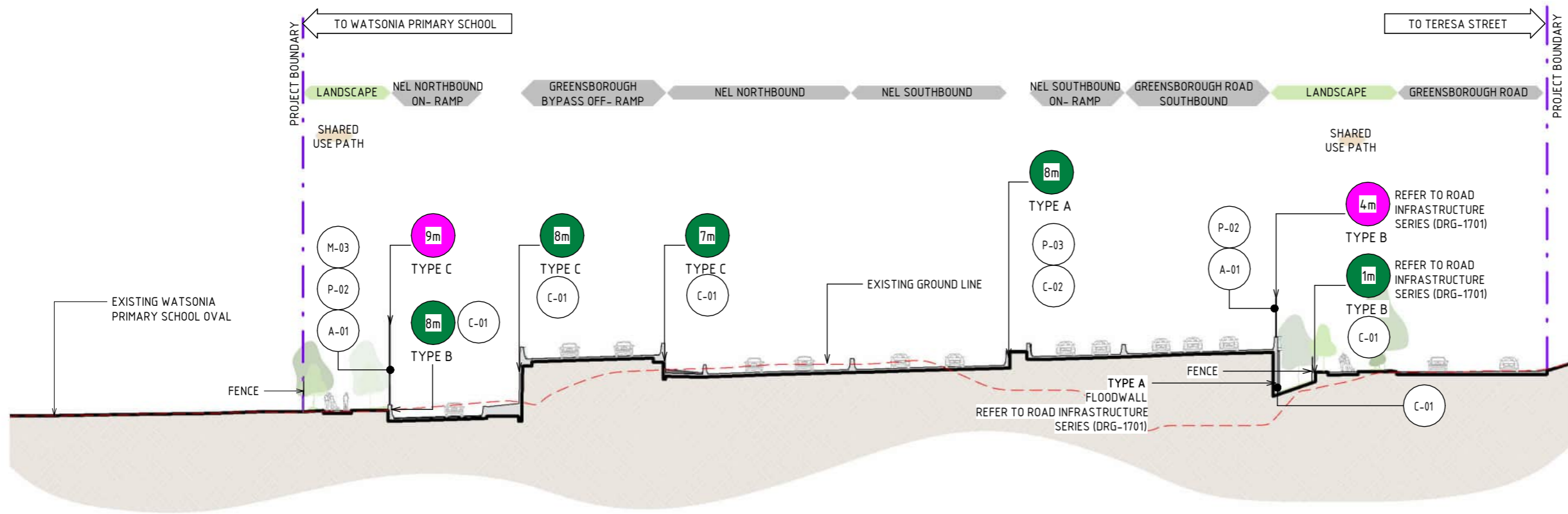
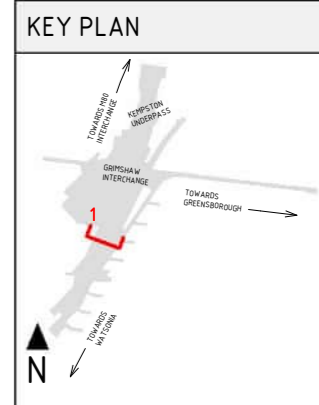
ACRYLIC FINISHES		CONCRETE FINISHES		PAINT FINISHES							
<b>A-01</b>	TRANSPARENT TINTED ACRYLIC PANEL TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.	<b>OL-01</b>	TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL TRANSLUCENT TINTED ACRYLIC. INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES. MATERIAL AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DESIGN DEVELOPMENT PHASE IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES.	<b>C-01</b>	CONCRETE WITH INTEGRAL FINISH CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.	<b>P-01</b>	PAINT OVER STEEL - TYPE 01 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.	<b>P-02</b>	PAINT OVER STEEL - TYPE 02 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.	<b>P-03</b>	PAINT OVER CONCRETE - TYPE 01 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.
				<b>C-02</b>	SHOTCRETE SHOTCRETE FINISH.						
				HANDRAIL FINISHES							
				<b>H-01</b>	STAINLESS STEEL HANDRAIL CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.						



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REVISIONS		APPROVALS		DRAWN: AECOM		SIZE: A3		SCALE: 1:500	
5 UDLP FINAL SUBMISSION 21/08/24 UDLP FINAL SUBMISSION IEA		DRAFTING CHECKED BY: E. CASTILLO 21/08/24 DESIGNED BY: M. SPYROPOULOS 21/08/24 ENGINEERING CHECKED BY: M. FERNANDO 21/08/24 VERIFIED BY: L. ANDERSON 21/08/24 APPROVED BY: Z. CVITKOVIC 21/08/24		Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.		Security Classification: <b>OFFICIAL: Sensitive</b> CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt		PROJECT CONTRACT: NORTH NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1215 SUT. CODE REVISION: 5	





1 ZONE 3- GREENSBOROUGH ROAD SECTION - WATSONIA PRIMARY SCHOOL TO GREENSBOROUGH ROAD  
SCALE : 1 : 500

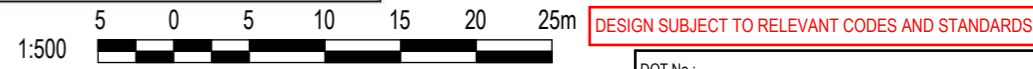
**LEGEND**

- EXISTING GROUND LEVEL
- (Xm) MAXIMUM NOISE WALL HEIGHT (IN METRES)
- (Xm) MAXIMUM RETAINING WALL HEIGHT (IN METRES)

- NOTE:**
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**MATERIAL LEGEND**

ACRYLIC FINISHES	CONCRETE FINISHES	METAL FINISHES	PAINT FINISHES
<p>A-01 TRANSPARENT TINTED ACRYLIC PANEL</p> <p>TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.</p>	<p>C-01 CONCRETE WITH INTEGRAL FINISH</p> <p>CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.</p> <p>C-02 SHOTCRETE</p> <p>SHOTCRETE FINISH.</p>	<p>M-03 WEATHERING STEEL</p> <p>WEATHERING STEEL</p>	<p>P-02 PAINT OVER STEEL - TYPE 02</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p> <p>P-03 PAINT OVER CONCRETE - TYPE 01</p> <p>PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>

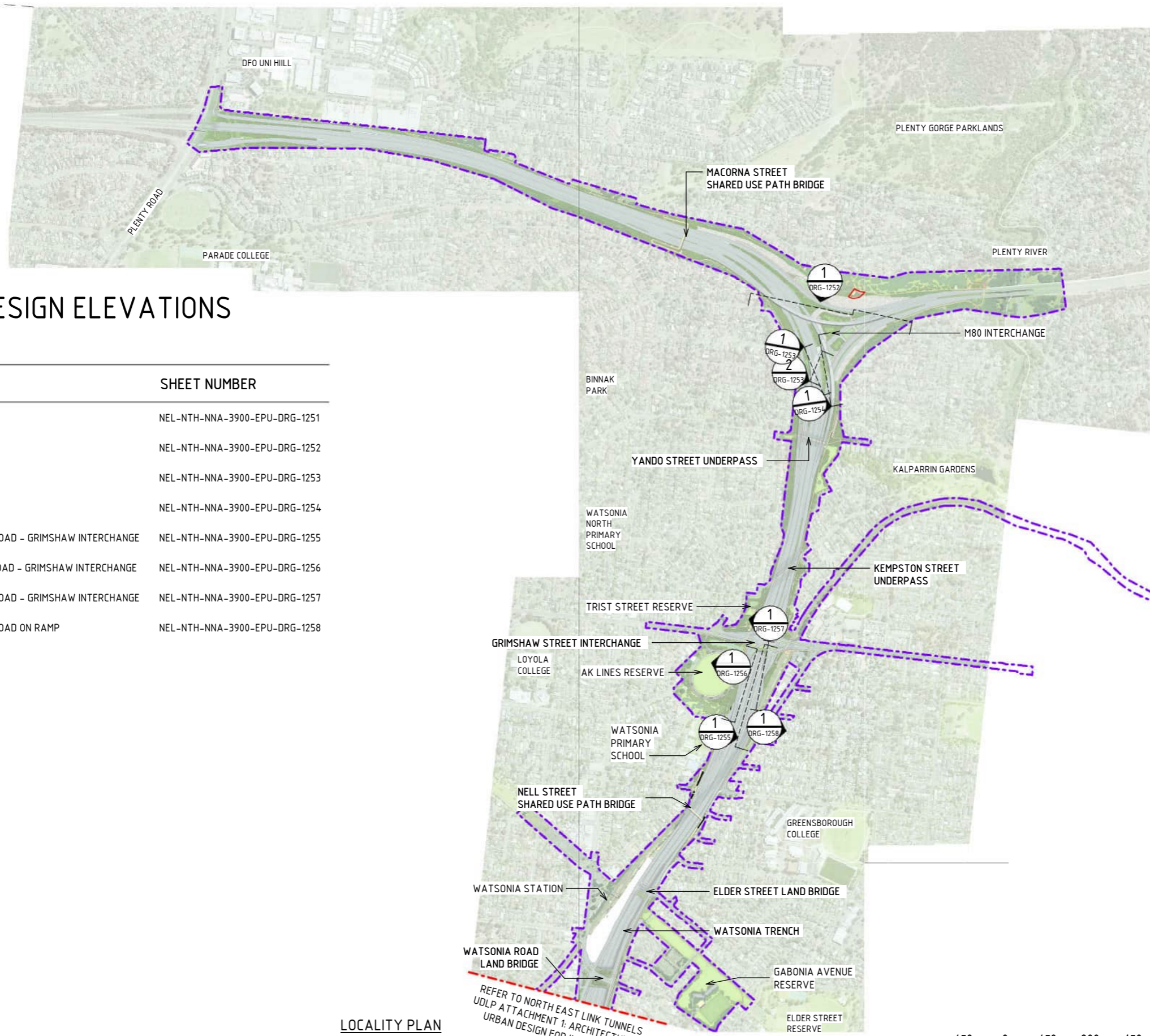


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© North East Link Program		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>UDLP FINAL SUBMISSION</td> <td>21/08/24</td> </tr> <tr> <td></td> <td>UDLP FINAL SUBMISSION IEA</td> <td></td> </tr> <tr> <td>A</td> <td>UDLP FINAL SUBMISSION</td> <td>02/08/24</td> </tr> </tbody> </table>		REV.	DESCRIPTION	DATE	5	UDLP FINAL SUBMISSION	21/08/24		UDLP FINAL SUBMISSION IEA		A	UDLP FINAL SUBMISSION	02/08/24	<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </tbody> </table>		NAME	DATE	E. CASTILLO	21/08/24	M. SPYROPOULOS	21/08/24	M. FERNANDO	21/08/24	L. ANDERSON	21/08/24	Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p>Security Classification: <b>OFFICIAL: Sensitive</b></p> <p>CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt</p>		<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN URBAN DESIGN SECTIONS SECTIONS - ZONE 4 - WATSONIA PRECINCT</p>		<p>PROJECT CONTRACT: NORTH</p> <p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1216</p>		<p>SUIT. CODE: 5</p> <p>REVISION: 5</p>	
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LEGEND	
	PROJECT BOUNDARY
	EXTENT OF NORTH EAST LINK RING ROAD COMPLETION UDLP
	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

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  - ROAD DESIGN, SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS



# URBAN DESIGN ELEVATIONS

## DRAWING INDEX

DRAWING NAME	SHEET NUMBER
LOCALITY PLAN	NEL-NTH-NNA-3900-EPU-DRG-1251
ELEVATION - ZONE 2 - M80 INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1252
ELEVATION - ZONE 2 - M80 INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1253
ELEVATION - ZONE 2 - M80 INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1254
ELEVATION - ZONE 3 - GREENSBOROUGH ROAD - GRIMSHAW INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1255
ELEVATION - ZONE 3 - GREENSBOROUGH ROAD - GRIMSHAW INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1256
ELEVATION - ZONE 3 - GREENSBOROUGH ROAD - GRIMSHAW INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1257
ELEVATION - ZONE 3 - GREENSBOROUGH ROAD ON RAMP	NEL-NTH-NNA-3900-EPU-DRG-1258

**LOCALITY PLAN**  
SCALE 1 : 15000

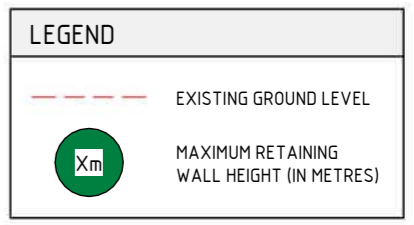
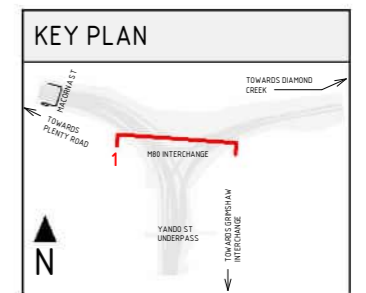
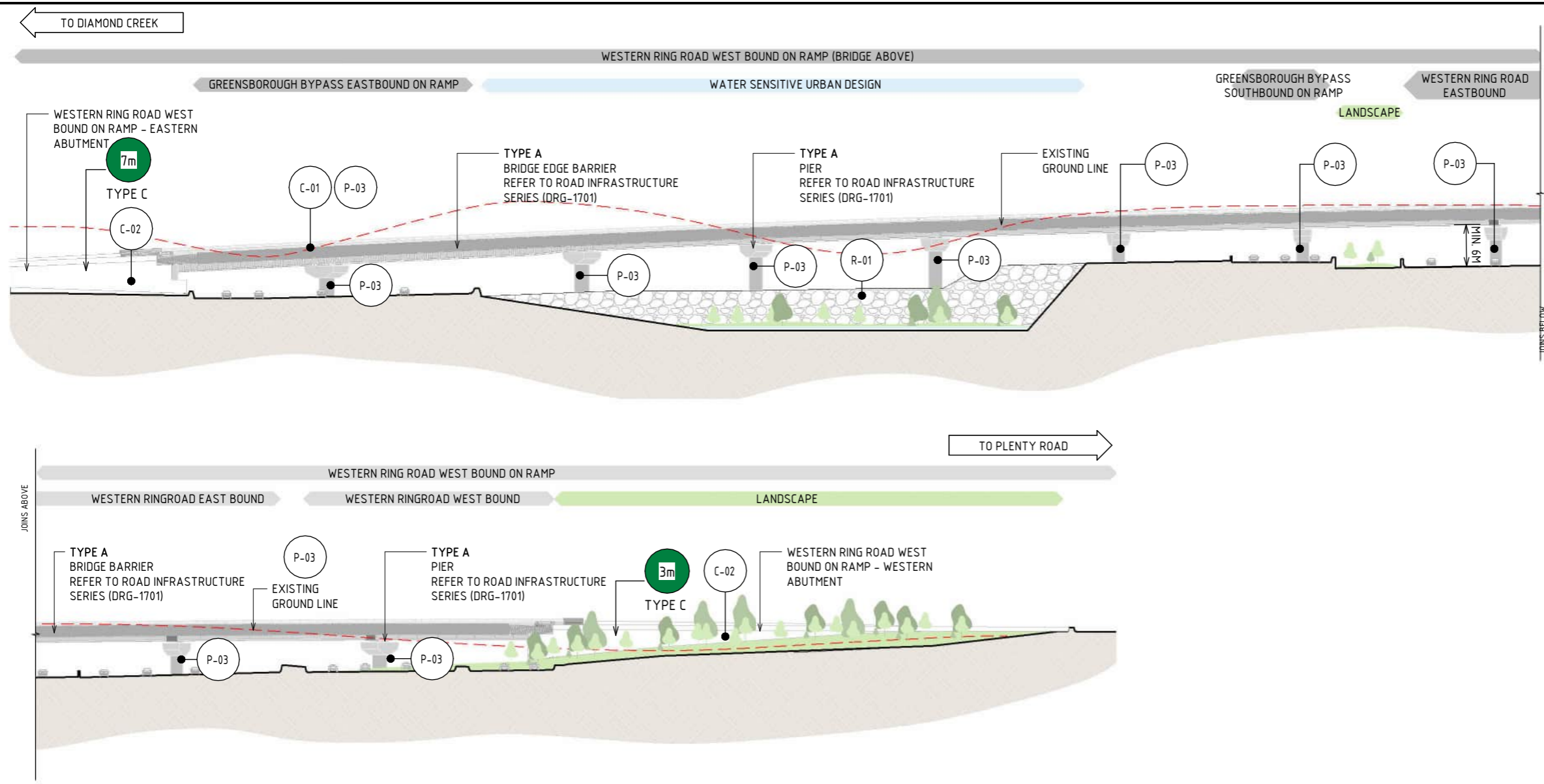
REFER TO NORTH EAST LINK TUNNELS UDLP ATTACHMENT 1: ARCHITECTURE & URBAN DESIGN FOR INFORMATION

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	UDLP FINAL SUBMISSION IEA		DESIGNED BY: M. SPYROPOULOS								
			ENGINEERING CHECKED BY: M. FERNANDO								
A	UDLP FINAL SUBMISSION	02/08/24	VERIFIED BY: L. ANDERSON								
			APPROVED BY: Z. CVITKOVIC								

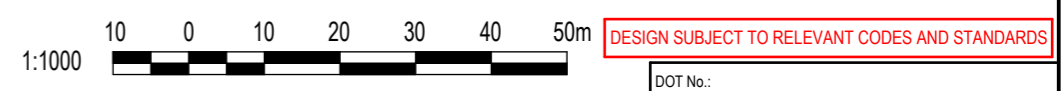




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**1 ZONE 2 - M80 INTERCHANGE ELEVATION - GREENSBOROUGH BYPASS TO WESTERN RING ROAD WESTBOUND**  
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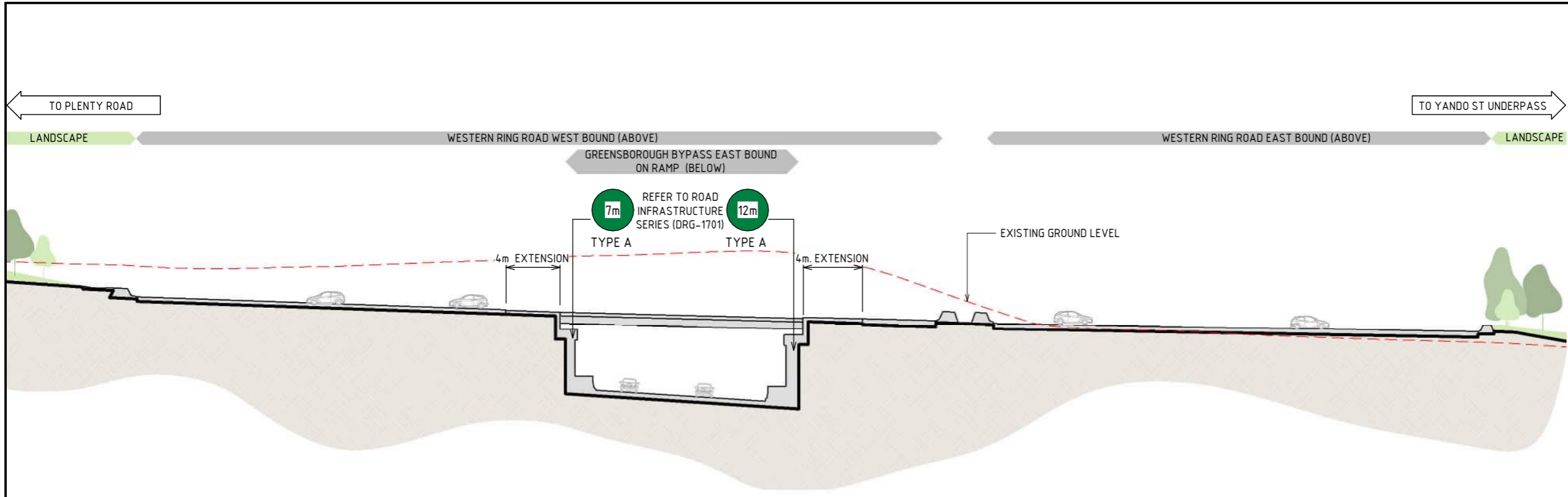
CONCRETE FINISHES		PAINT FINISHES	
C-01	CONCRETE WITH INTEGRAL FINISH	P-03	PAINT OVER CONCRETE - TYPE 01
C-02	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.		PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.
	SHOTCRETE		
	SHOTCRETE FINISH.		
ROCK BATTER			
R-01	NATURAL ROCK BATTER		
	NATURAL ROCK BATTER		



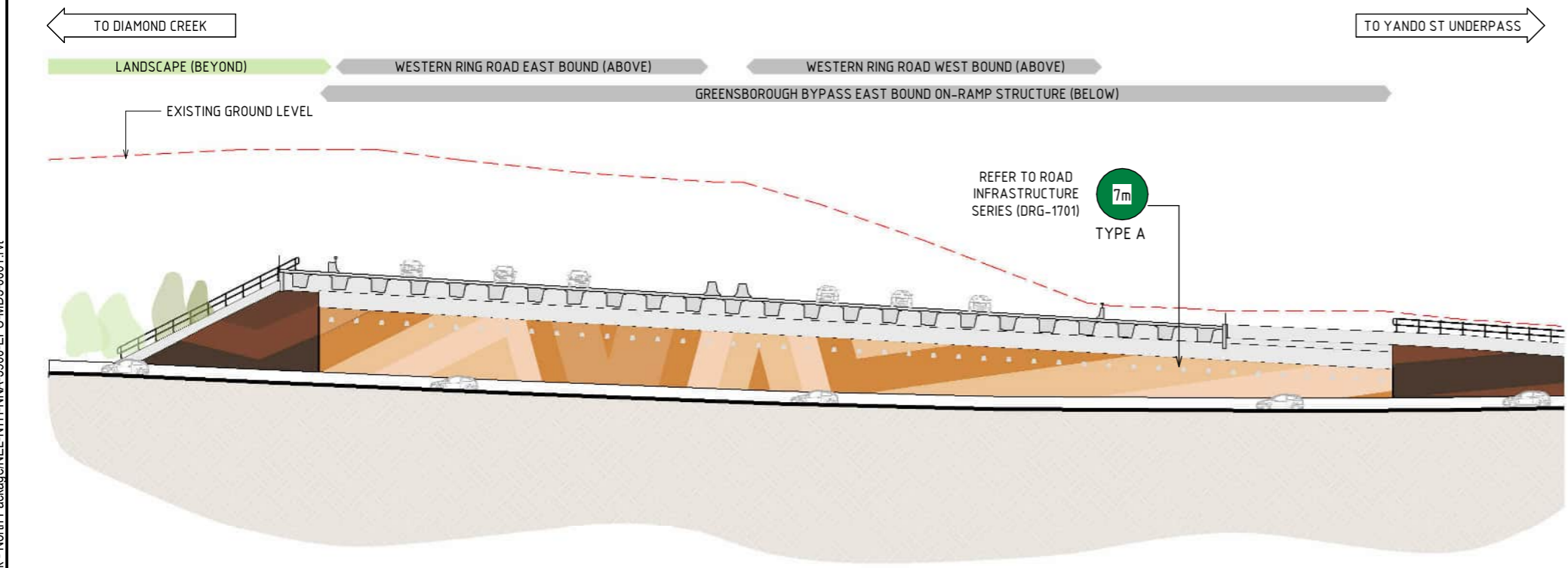
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	REVISIONS											5									

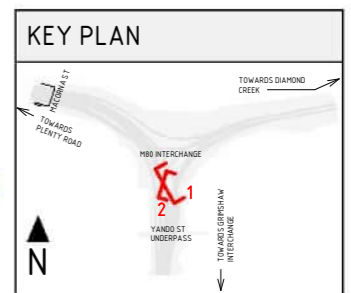




1 ZONE-2 - M80 INTERCHANGE SECTION - GREENSBOROUGH BYPASS EAST BOUND ON RAMP - NORTH  
SCALE : 1:500



2 ZONE-2 - M80 INTERCHANGE ELEVATION - GREENSBOROUGH BYPASS EAST BOUND ON RAMP - EAST  
SCALE : 1:500



**MATERIAL LEGEND**

**CONCRETE FINISHES**

C-02 SHOTCRETE  
SHOTCRETE FINISH.

**PAINT FINISHES**

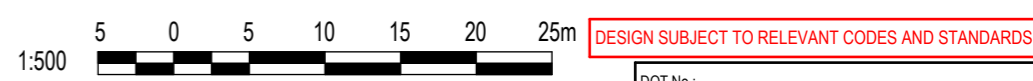
P-03 PAINT OVER CONCRETE - TYPE 01  
PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

**LEGEND**

--- EXISTING GROUND LEVEL

Xm MAXIMUM RETAINING WALL HEIGHT (IN METRES)

- NOTE:**
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  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

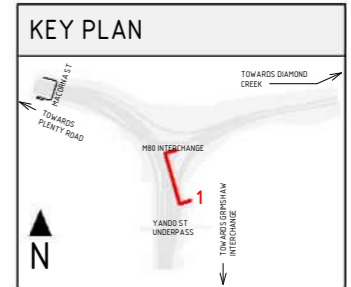
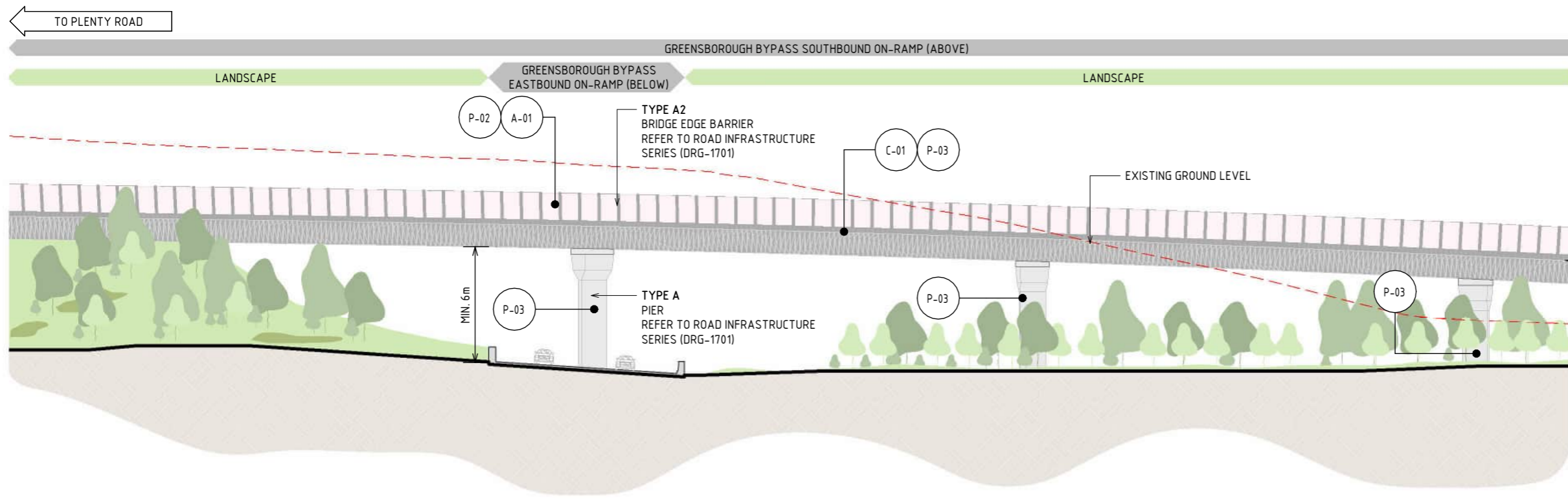


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© North East Link Program		<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAFTING CHECKED BY: E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>DESIGNED BY: M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>ENGINEERING CHECKED BY: M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>VERIFIED BY: L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>APPROVED BY: Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </tbody> </table>		NAME	DATE	DRAFTING CHECKED BY: E. CASTILLO	21/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24	VERIFIED BY: L. ANDERSON	21/08/24	APPROVED BY: Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN URBAN DESIGN ELEVATIONS ELEVATIONS - ZONE 2 - M80 INTERCHANGE</p>		<p>Security Classification: <b>OFFICIAL: Sensitive</b></p>		<p>PROJECT CONTRACT: NORTH</p>		<p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1253</p>		<p>SUIT. CODE REVISION 5</p>	
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A	UDLP FINAL SUBMISSION	02/08/24																											

21/08/2024 3:09:38 PM Note: \* Indicates signed documents as drawings will not have wet signatures.





### MATERIAL LEGEND

**ACRYLIC FINISHES**

**A-01** TRANSPARENT TINTED ACRYLIC PANEL  
 TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.

**CONCRETE FINISHES**

**C-01** CONCRETE WITH INTEGRAL FINISH  
 CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.

**C-02** SHOTCRETE  
 SHOTCRETE FINISH.

**PAINT FINISHES**

**P-02** PAINT OVER STEEL - TYPE 02  
 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

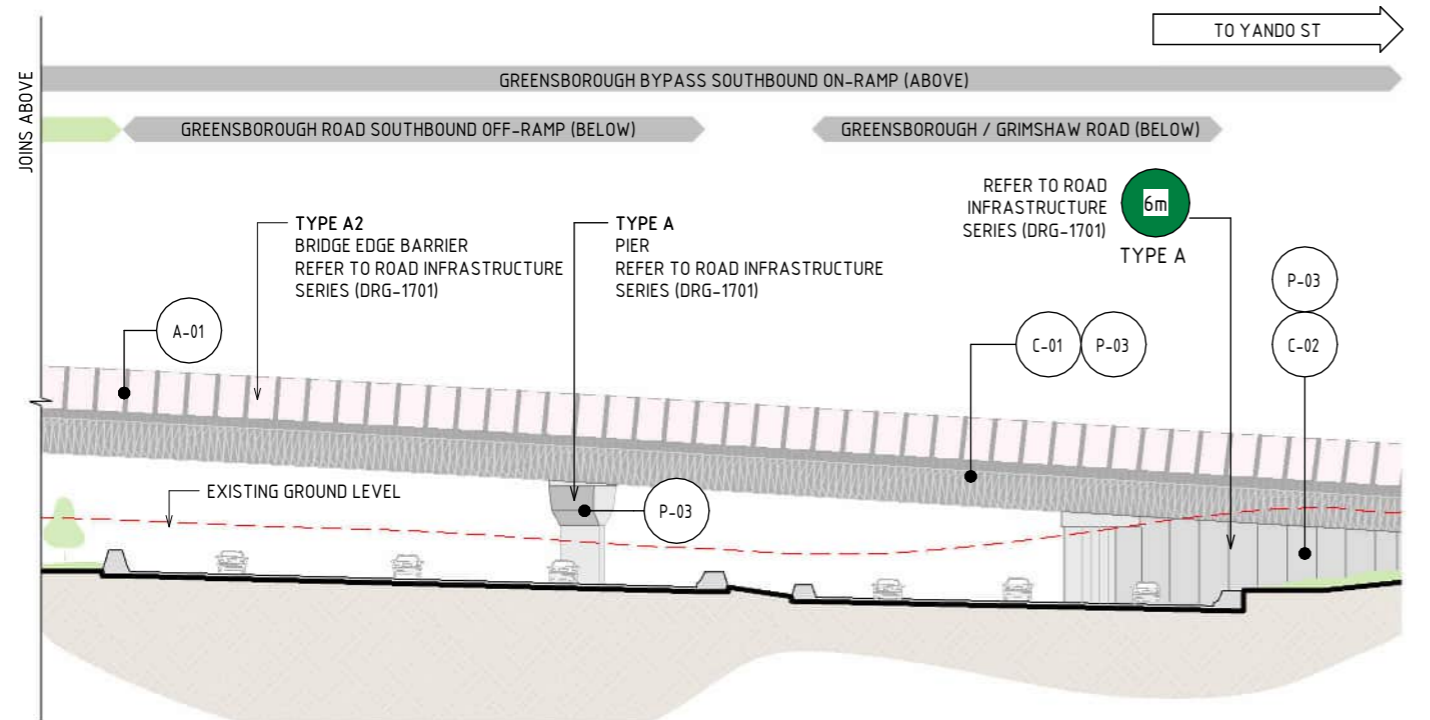
**P-03** PAINT OVER CONCRETE - TYPE 01  
 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

### LEGEND

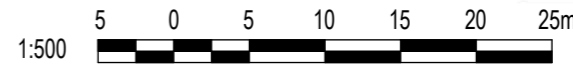
--- EXISTING GROUND LEVEL

**Xm** MAXIMUM RETAINING WALL HEIGHT (IN METRES)

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**1** ZONE-2 - M80 INTERCHANGE ELEVATION - GREENSBOROUGH BYPASS EASTBOUND TO GREENSBOROUGH / GRIMSHAW ROAD  
 SCALE : 1 : 500



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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**NORTH EAST LINK PROGRAM**  
 RING ROAD COMPLETION  
 ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
 URBAN DESIGN ELEVATIONS  
 ELEVATIONS - ZONE 2 - M80 INTERCHANGE

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1254

SUIT. CODE: REVISION: 5



TO M80 INTERCHANGE

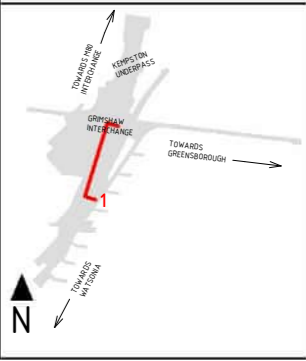
GRIMSHAW INTERCHANGE (ABOVE)

NEL SOUTHBOUND ON-RAMP (ABOVE)

NEL SOUTHBOUND (BELOW)

JOINS BELOW

KEY PLAN



ROAD CLEARANCE ZONE 6M

P-03 C-02

8m TYPE A

P-01 A-01

TYPE B BRIDGE EDGE BARRIER REFER TO ROAD INFRASTRUCTURE SERIES (DRG-1701)

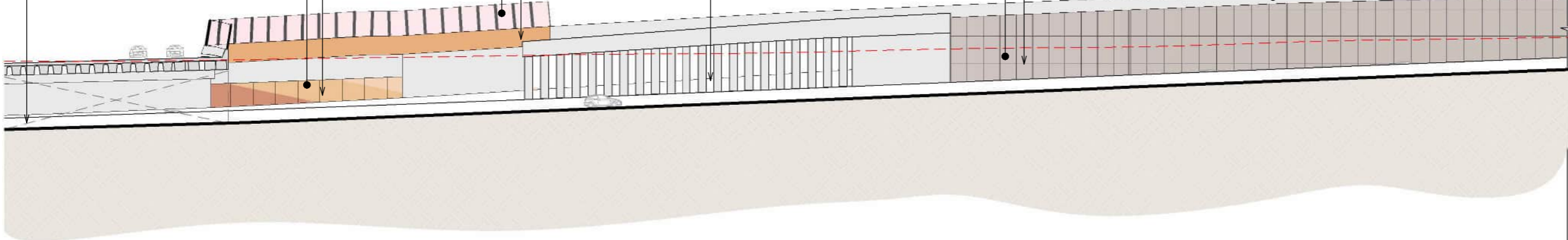
UNDERPASS ROAD TO GREENSBOROUGH RD SOUTHBOUND

P-03 C-02

8m TYPE A

REFER TO ROAD INFRASTRUCTURE SERIES (DRG-1701)

C-01 P-02



TO WATSONIA NEIGHBOURHOOD ACTIVITY CENTRE

NEL SOUTHBOUND ON-RAMP (ABOVE)

NEL SOUTHBOUND (BELOW)

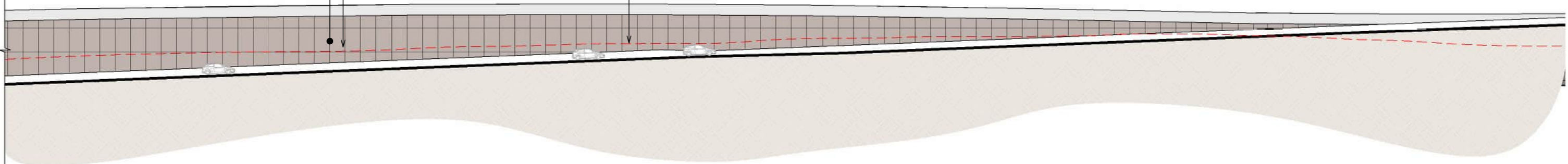
JOINS ABOVE

P-03 C-02

8m TYPE A

REFER TO ROAD INFRASTRUCTURE SERIES (DRG-1701)

EXISTING GROUND LEVEL



1 ZONE 3 - GREENSBOROUGH ZONE ELEVATION - GRIMSHAW INTERCHANGE / NEL SOUTHBOUND EAST FACING  
SCALE: 1:500

MATERIAL LEGEND

ACRYLIC FINISHES

A-01 TRANSPARENT TINTED ACRYLIC PANEL  
TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.



CONCRETE FINISHES

C-02 SHOTCRETE  
SHOTCRETE FINISH.

PAINT FINISHES

P-01 PAINT OVER STEEL - TYPE 01  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.



P-03 PAINT OVER CONCRETE - TYPE 01  
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LEGEND

EXISTING GROUND LEVEL

Xm MAXIMUM RETAINING WALL HEIGHT (IN METRES)

NOTE:

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

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L. ANDERSON	21/08/24
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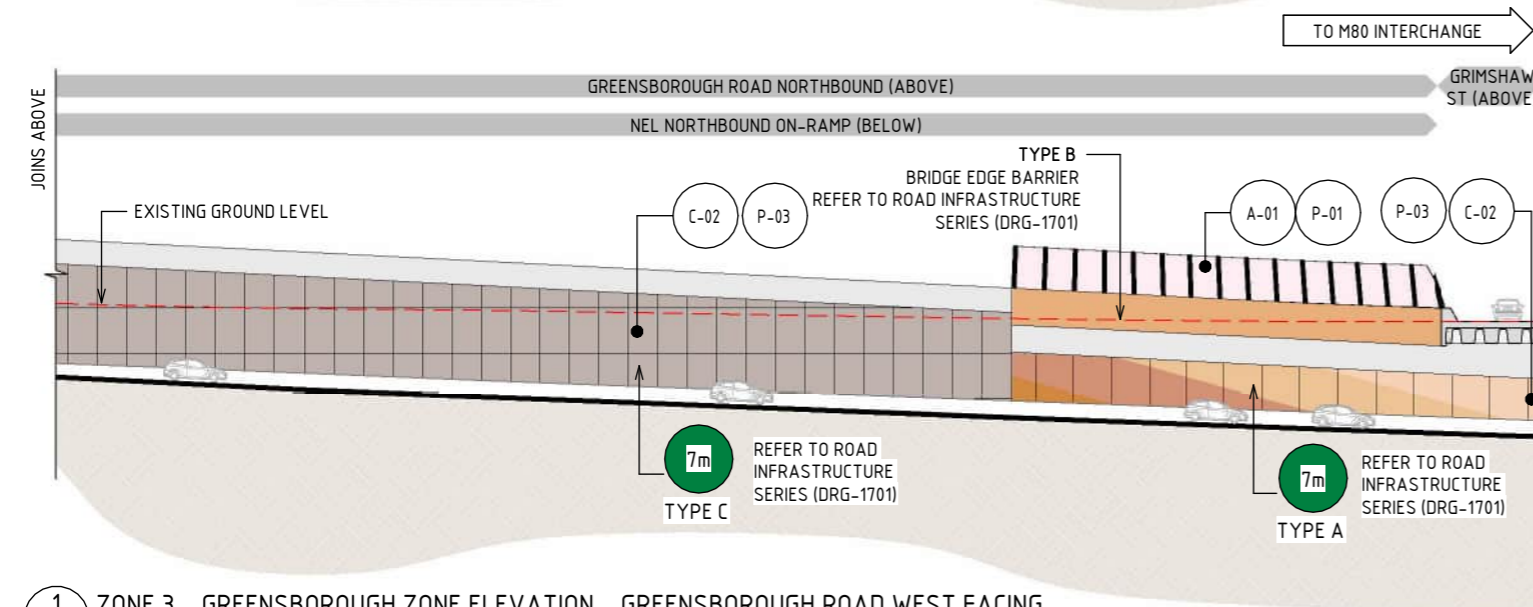
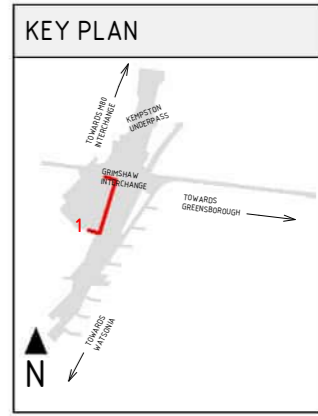
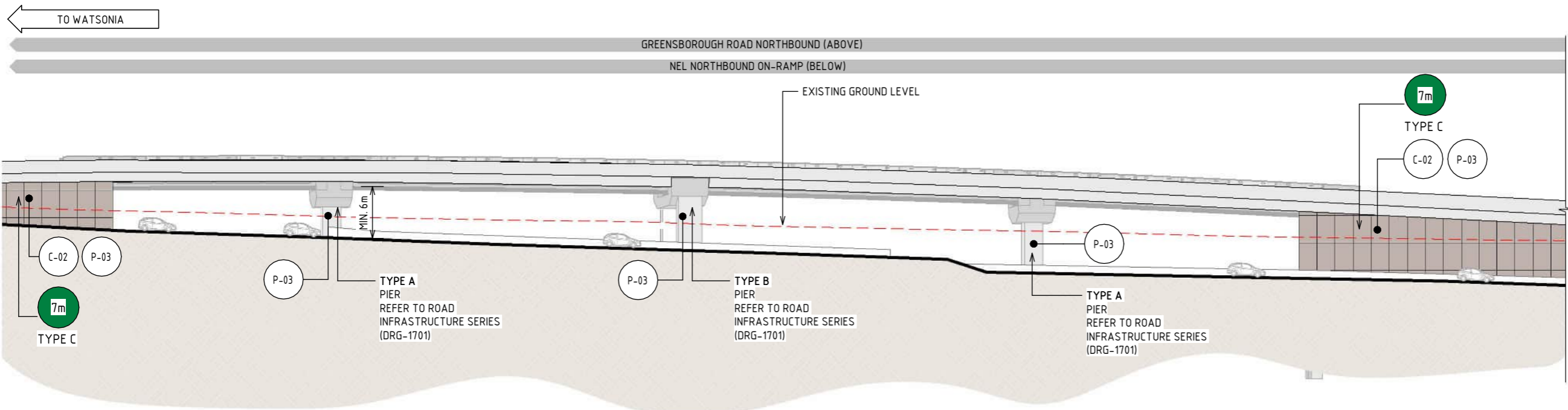
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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
URBAN DESIGN ELEVATIONS  
ELEVATIONS -ZONE3 - GREENSBOROUGH ROAD

PROJECT CONTRACT: NORTH  
NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1255  
SUIT. CODE REVISION: 5



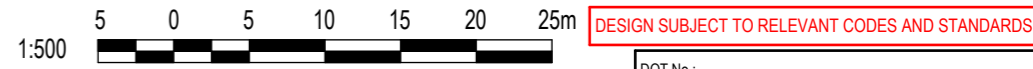


1 ZONE 3 - GREENSBOROUGH ZONE ELEVATION - GREENSBOROUGH ROAD WEST FACING  
SCALE : 1 : 500

ACRYLIC FINISHES		CONCRETE FINISHES	
A-01	TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL IN CUSTOM COLOURS. INTEGRATED POLYAMIDETHREADS FOR SHATTER AND BIRD STRIKE PROTECTION.	C-02	SHOTCRETE FINISH.
		P-01	PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
		P-03	PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

LEGEND	
	EXISTING GROUND LEVEL
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)

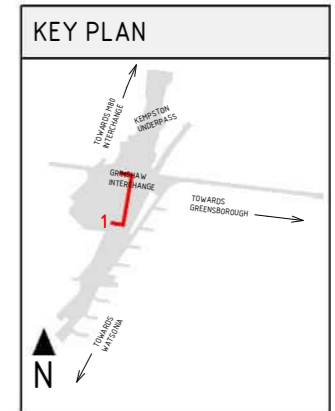
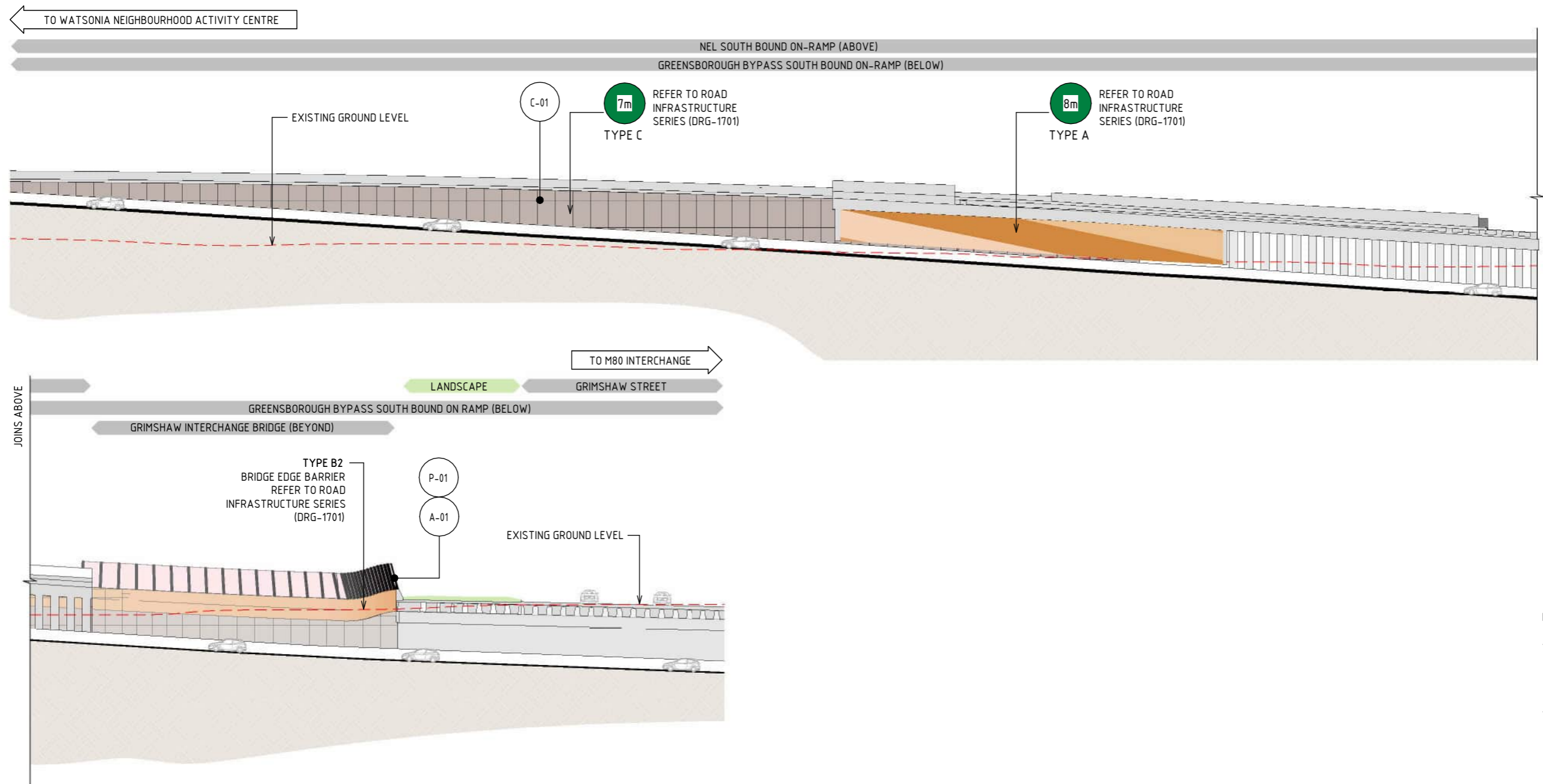
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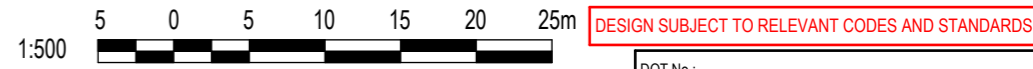


**1 ZONE 3 - GREENSBOROUGH ZONE SECTION - GREENSBOROUGH BYPASS SOUTH BOUND WEST FACING**  
SCALE : 1 : 500

ACRYLIC FINISHES		CONCRETE FINISHES		PAINT FINISHES	
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LEGEND	
	EXISTING GROUND LEVEL
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© North East Link Program		<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>UDLP FINAL SUBMISSION</td> <td>21/08/24</td> </tr> <tr> <td></td> <td>UDLP FINAL SUBMISSION IEA</td> <td></td> </tr> <tr> <td>A</td> <td>UDLP FINAL SUBMISSION</td> <td>02/08/24</td> </tr> </tbody> </table>		REV.	DESCRIPTION	DATE	5	UDLP FINAL SUBMISSION	21/08/24		UDLP FINAL SUBMISSION IEA		A	UDLP FINAL SUBMISSION	02/08/24	<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAFTING CHECKED BY: E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>DESIGNED BY: M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>ENGINEERING CHECKED BY: M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>VERIFIED BY: L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>APPROVED BY: Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </tbody> </table>		NAME	DATE	DRAFTING CHECKED BY: E. CASTILLO	21/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24	VERIFIED BY: L. ANDERSON	21/08/24	APPROVED BY: Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN URBAN DESIGN ELEVATIONS ELEVATIONS -ZONE3 - GREENSBOROUGH ROAD</p>		<p>Security Classification: <b>OFFICIAL: Sensitive</b></p>		<p>PROJECT CONTRACT: NORTH</p>		<p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1257</p>		<p>SUIT. CODE REVISION 5</p>	
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# ZONE 1 M80 RING ROAD

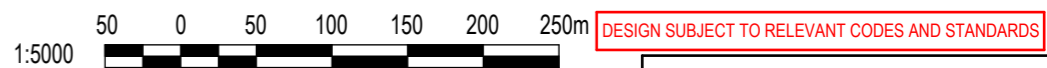
LOCALITY PLAN  
SCALE 1:5000

## DRAWING INDEX

DRAWING NAME	SHEET NUMBER
LOCALITY PLAN	NEL-NTH-NNA-3900-EPU-DRG-1301
GENERAL ARRANGEMENT PLANS - ITS BAY AND M80	NEL-NTH-NNA-3900-EPU-DRG-1302

LEGEND	
	PROJECT BOUNDARY
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

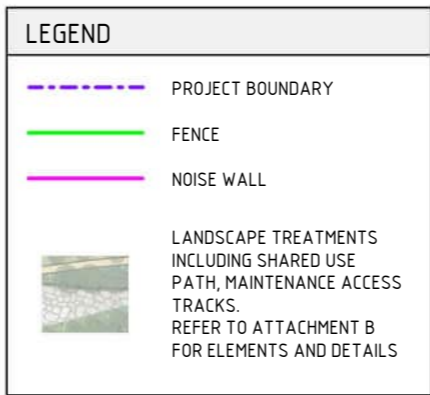
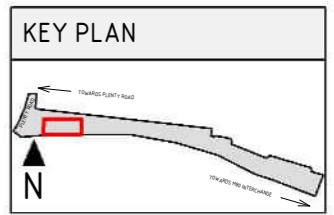
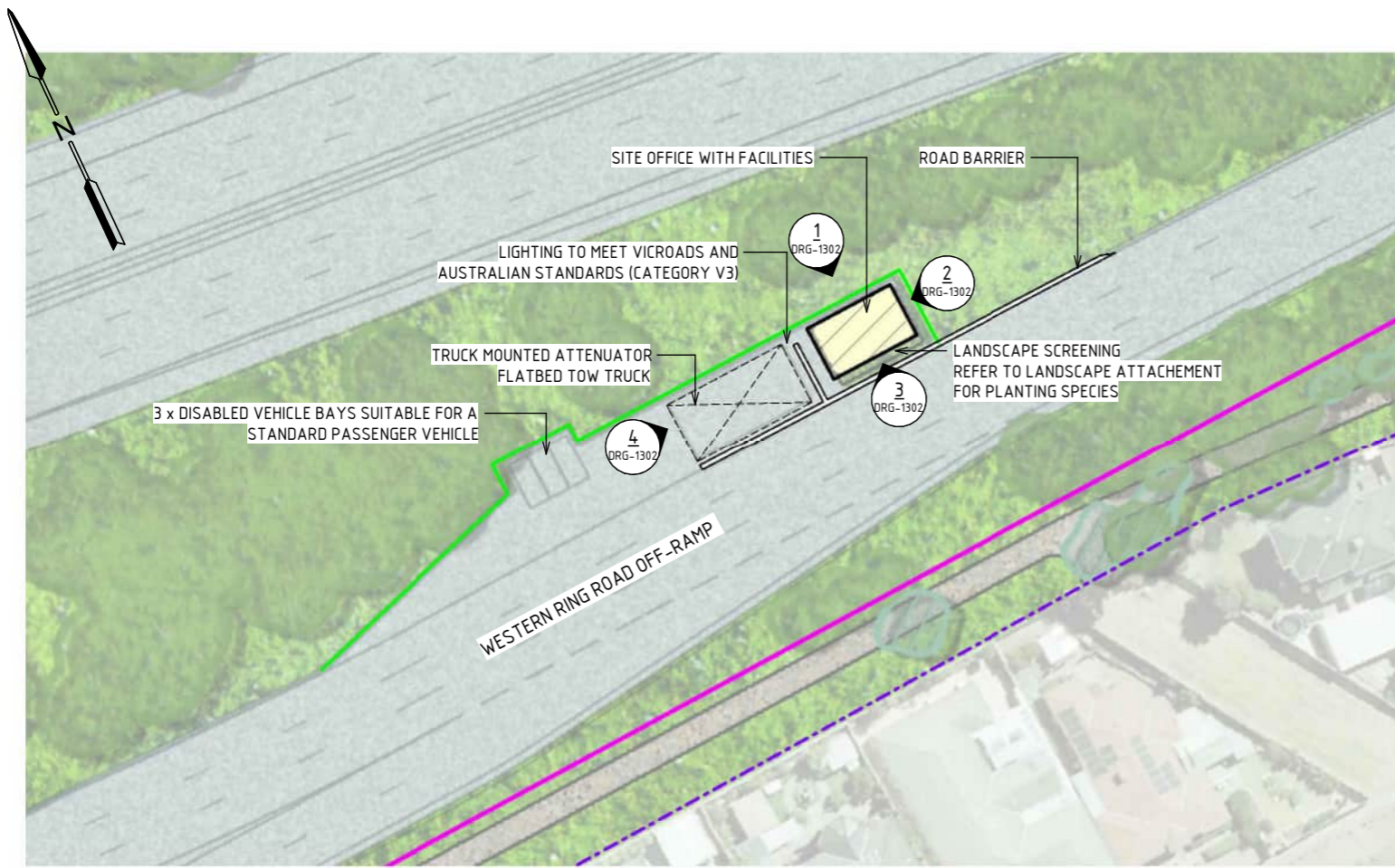
- NOTE:
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  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
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  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - FOR DETAIL OF THE LANDSCAPE DESIGN, PLEASE REFER TO ATTACHMENT 2 - LANDSCAPE DESIGN
  - FOR DESIGN VISUALISATIONS, PLEASE REFER TO ATTACHMENT 3 - URBAN DESIGN VISUALISATIONS
  - FOR DETAILS ON THE OVERSHADOWING AND OVERLOOKING, PLEASE REFER TO ATTACHMENT 4 - URBAN DESIGN OVERSHADOWING AND OVERLOOKING ASSESSMENT



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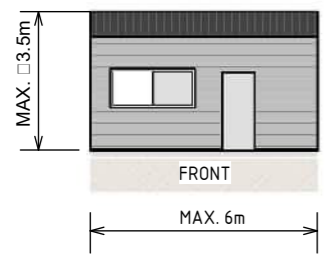




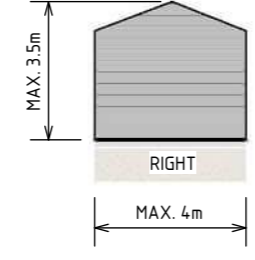
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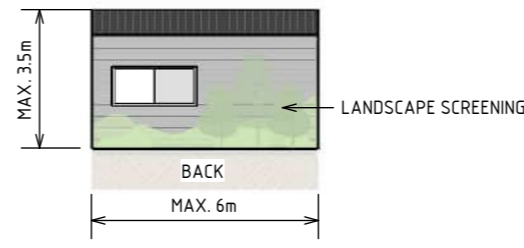
**GENERAL ARRANGEMENT - INCIDENT RESPONSE BAY PLENTY ROAD WESTBOUND**  
SCALE 1 : 750



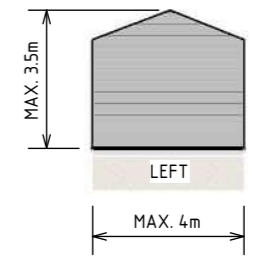
**1 NORTH ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE : 1 : 200



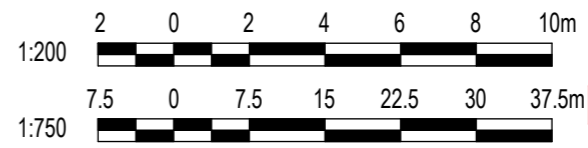
**2 EAST ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE : 1 : 200



**3 SOUTH ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE : 1 : 200



**4 WEST ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE : 1 : 200



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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21/08/2024 3:12:36 PM

Note: \* Indicates signed documents as drawings will not have wet signatures.

DOT No.:

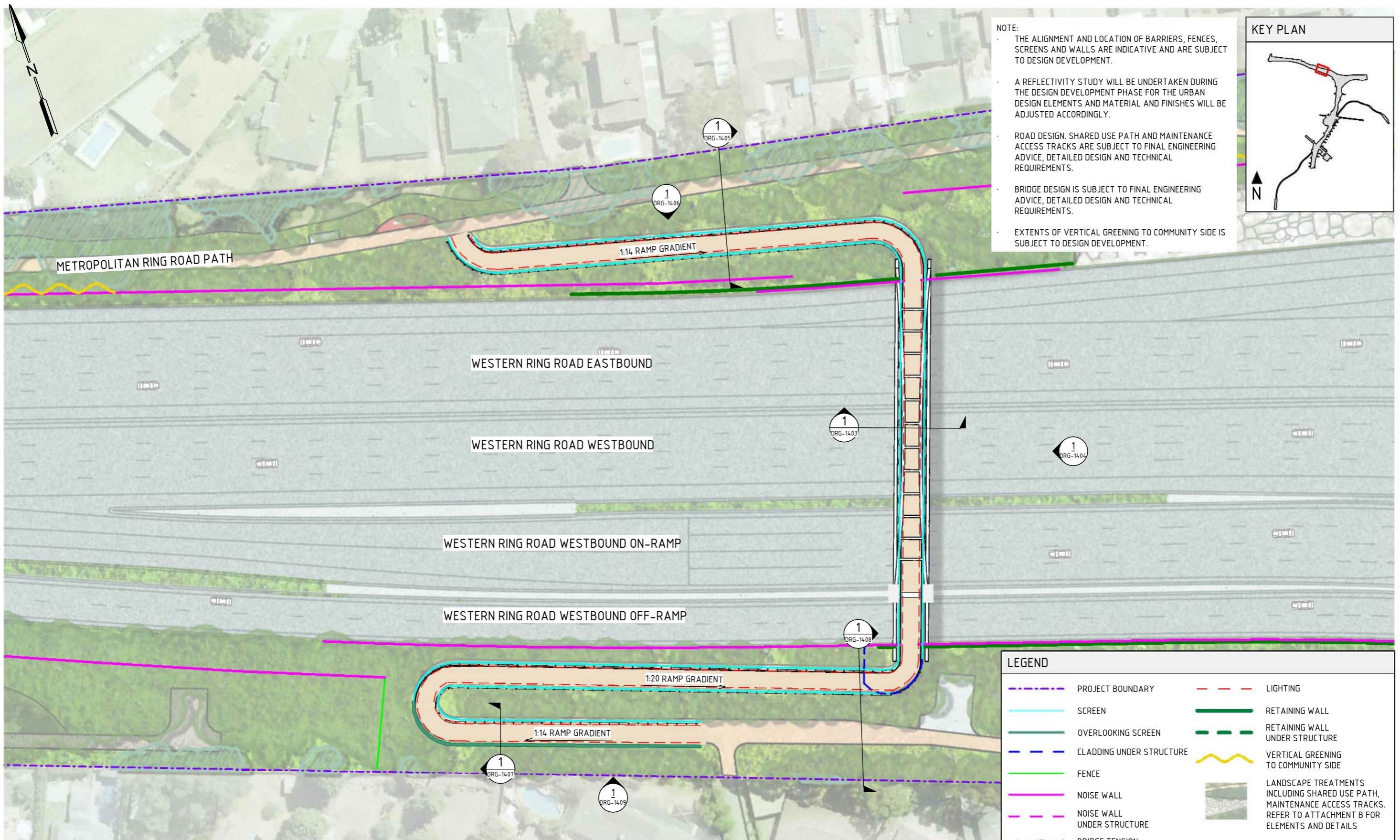
**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 1 M80 RING ROAD  
GENERAL ARRANGEMENT - M80 INCIDENT RESPONSE BAY

Security Classification: **OFFICIAL: Sensitive**



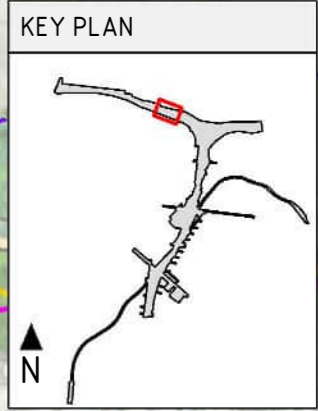






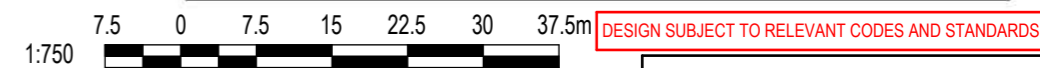
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- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.



LEGEND	
	PROJECT BOUNDARY
	SCREEN
	OVERLOOKING SCREEN
	CLADDING UNDER STRUCTURE
	FENCE
	NOISE WALL
	NOISE WALL UNDER STRUCTURE
	BRIDGE TENSION RODS
	LIGHTING
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	VERTICAL GREENING TO COMMUNITY SIDE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

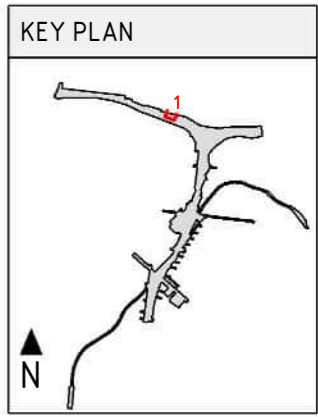
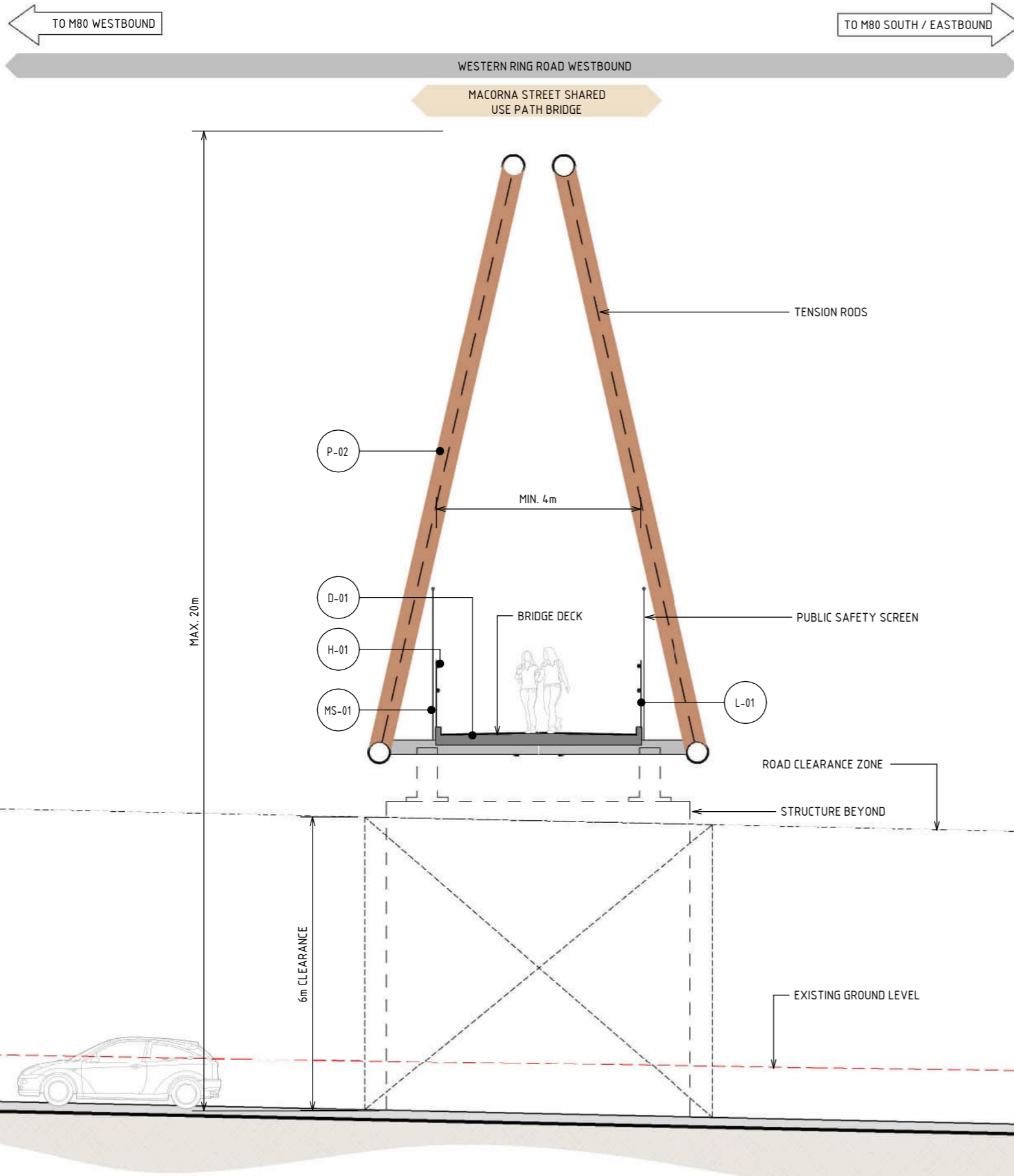
**GENERAL ARRANGEMENT - MACORNA STREET SHARED USE PATH BRIDGE**  
SCALE 1: 750



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DRAWN: AECOM		SIZE: A3		SCALE: 1:750		CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt		DOT No.:																																									





LEGEND	
	EXISTING GROUND LEVEL

MATERIAL LEGEND	
<b>MESH FINISHES</b>	
	WIRE MESH PROTECTION SCREEN
	WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.
<b>PAINT FINISHES</b>	
	PAINT OVER STEEL - TYPE 02
	PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
<b>DECKING FINISHES</b>	
	BRIDGE DECK
	BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.
<b>HANDRAIL FINISHES</b>	
	STAINLESS STEEL HANDRAIL
	CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.
<b>LIGHTING</b>	
	LIGHTING
	LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

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  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

1 SECTION - MACORNA STREET SHARED USE PATH BRIDGE  
SCALE: 1:100

1:100

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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PROJECT CONTRACT: NORTH

SCALE: 1:100

SIZE: A3

DRAWN: AECOM

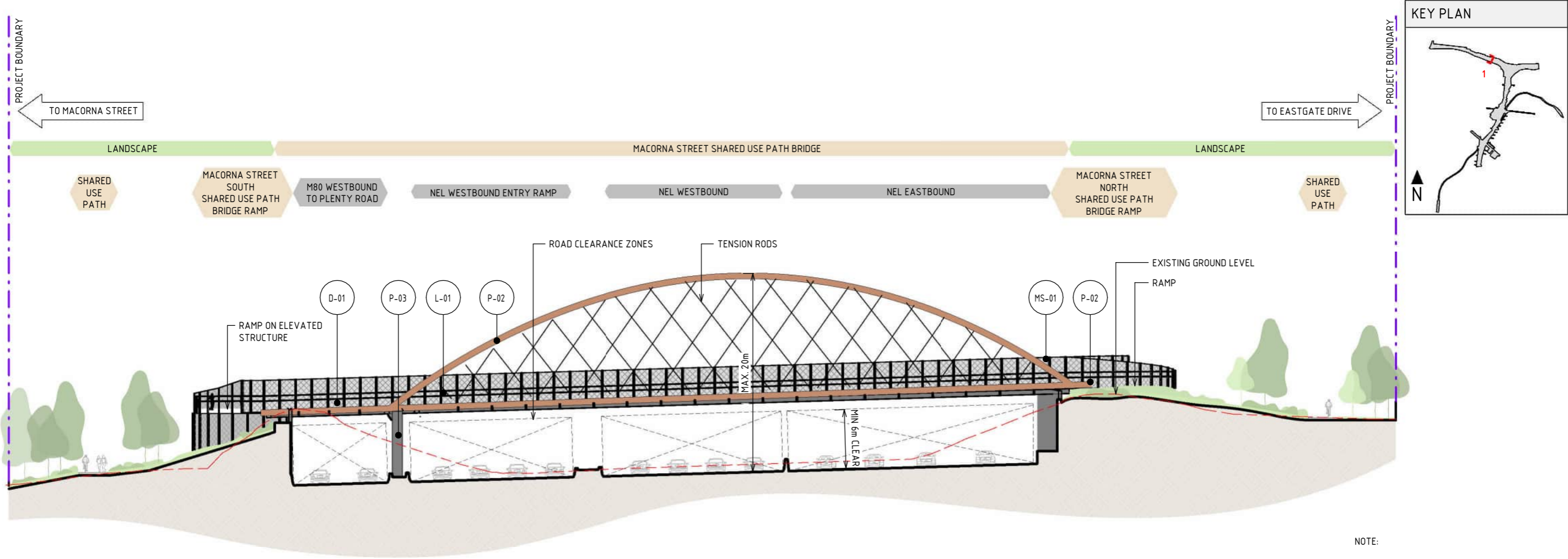
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ZONE 2 M80 INTERCHANGE  
MACORNA STREET SHARED USE PATH BRIDGE SECTION

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1403

SUIT. CODE REVISION: 5

Note: \* Indicates signed documents as drawings will not have wet signatures.





1 ELEVATION - MACORNA STREET SHARED USE PATH BRIDGE  
SCALE: 1:400

- NOTE:
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  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

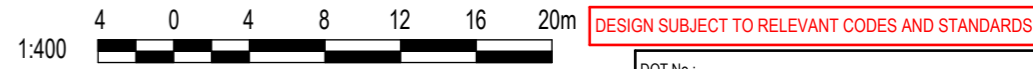
MATERIAL LEGEND

<p><b>MESH FINISHES</b></p> <p>MS-01 WIRE MESH PROTECTION SCREEN WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.</p> <p><b>DECKING FINISHES</b></p> <p>D-01 BRIDGE DECK BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.</p> <p><b>LIGHTING</b></p> <p>L-01 LIGHTING LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.</p>	<p><b>PAINT FINISHES</b></p> <p>P-02 PAINT OVER STEEL - TYPE 02 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p> <p>P-03 PAINT OVER CONCRETE - TYPE 01 PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>
---	---

**LEGEND**

--- PROJECT BOUNDARY

--- EXISTING GROUND LEVEL



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REV.	DESCRIPTION	DATE
5	UDLP FINAL SUBMISSION	21/08/24
4	UDLP FINAL SUBMISSION IEA	02/08/24
3	UDLP REVISION 1	29/01/24
2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 2 M80 INTERCHANGE  
MACORNA STREET SHARED USE PATH BRIDGE ELEVATION

Security Classification: **OFFICIAL: Sensitive**

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1404

SUIT. CODE REVISION: 5

CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

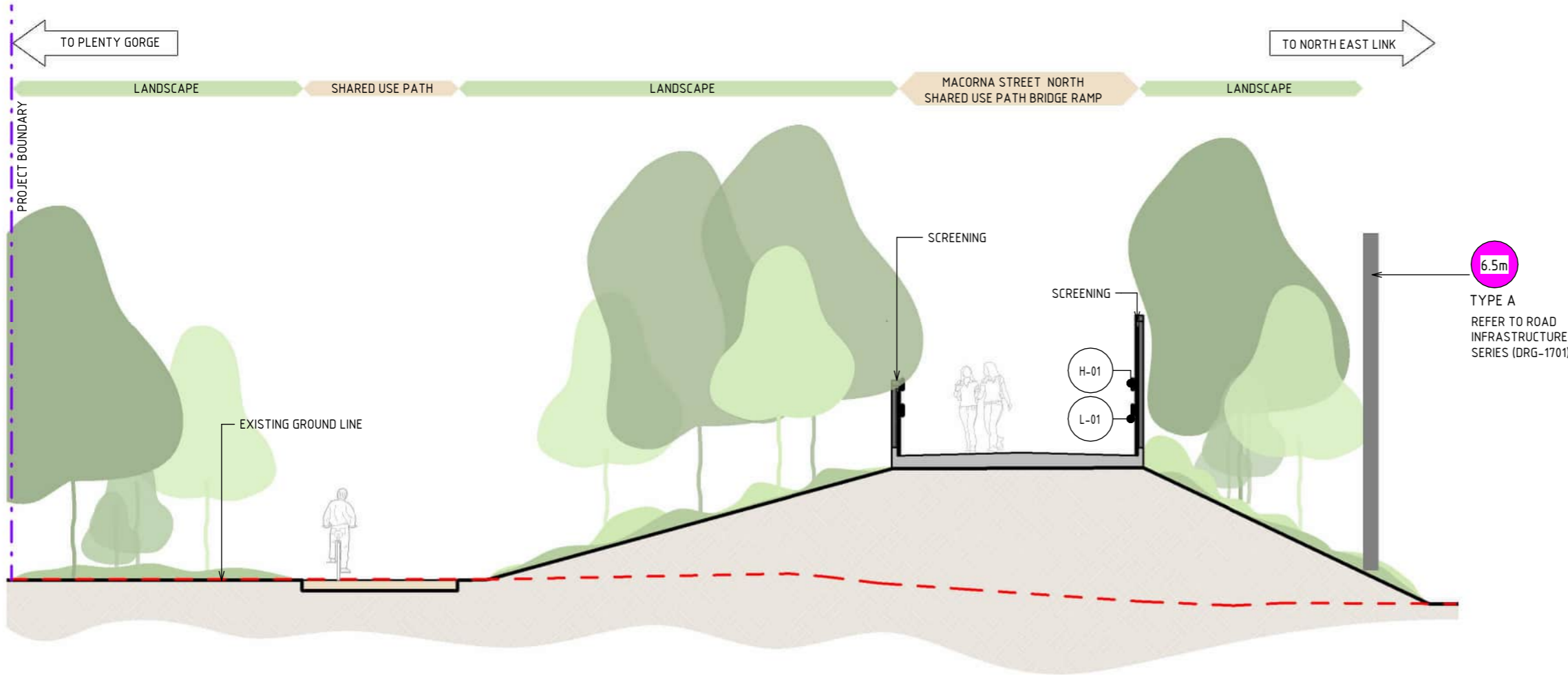
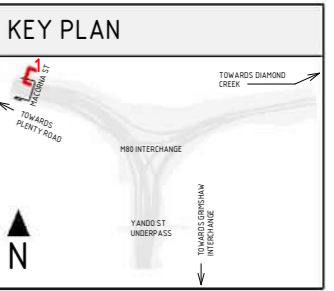
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SIZE: A3

DRAWN: AECOM

Note: \* Indicates signed documents as drawings will not have wet signatures.





1 SECTION - MACORNA STREET- NORTH- INTERFACE BETWEEN SHARED USE PATH AND BRIDGE RAMP  
SCALE : 1 : 100

LEGEND	
	PROJECT BOUNDARY
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)

MATERIAL LEGEND	
<b>HANDRAIL FINISHES</b>	
	<b>H-01 STAINLESS STEEL HANDRAIL</b> CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.
<b>LIGHTING</b>	
	<b>L-01 LIGHTING</b> LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

NOTE:

- THE ALIGNMENT AND LOCATION OF BARRIERS FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
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- MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

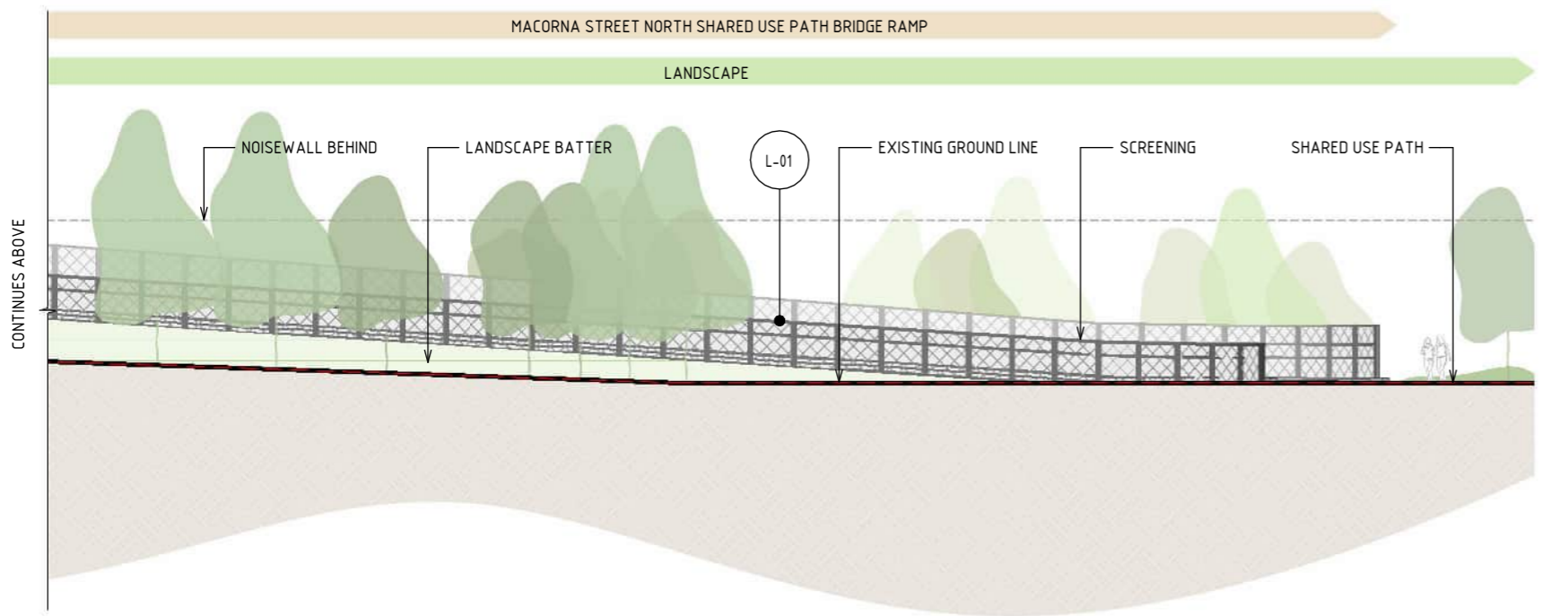
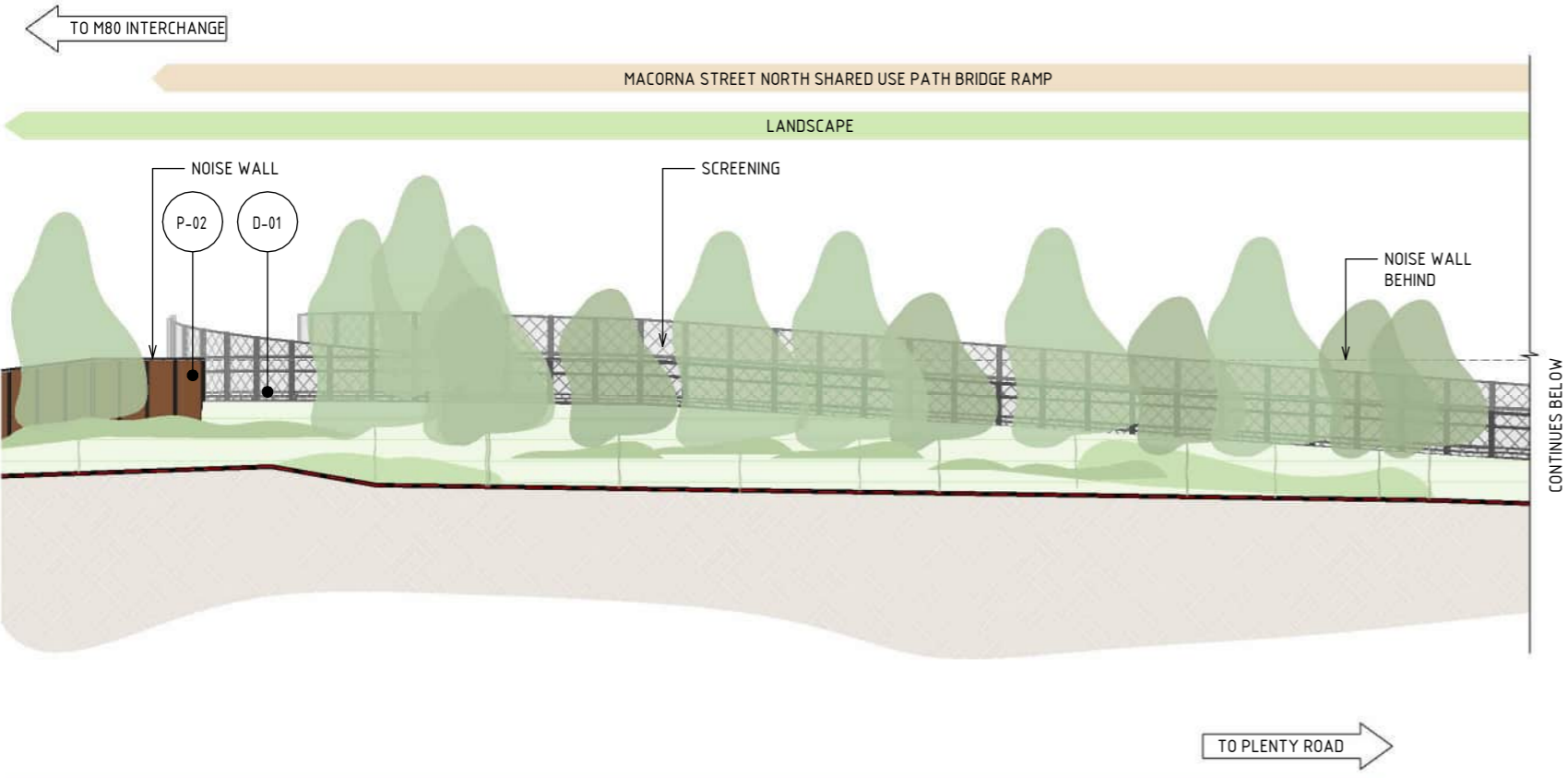
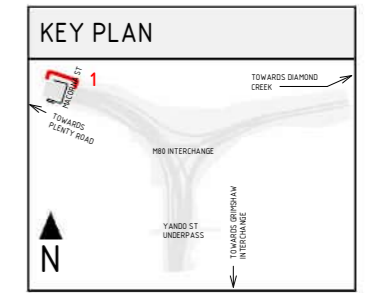
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5	UDLP FINAL SUBMISSION	21/08/24	DRAFTING CHECKED BY	E. CASTILLO	21/08/24	<b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ZONE 2 M80 INTERCHANGE MACORNA STREET NORTH SHARED USE PATH BRIDGE SECTION	
4	UDLP FINAL SUBMISSION IEA	02/08/24	DESIGNED BY	M. SPYROPOULOS	21/08/24		
3	UDLP REVISION 1	29/01/24	ENGINEERING CHECKED BY	M. FERNANDO	21/08/24		
2	UDLP IEA REVIEW	21/12/23	VERIFIED BY	L. ANDERSON	21/08/24		
1	PUBLIC EXHIBITION	25/09/23	APPROVED BY	Z. CVITKOVIC	21/08/24		
DRAFTING CHECKED BY: E. CASTILLO 21/08/24 DESIGNED BY: M. SPYROPOULOS 21/08/24 ENGINEERING CHECKED BY: M. FERNANDO 21/08/24 VERIFIED BY: L. ANDERSON 21/08/24 APPROVED BY: Z. CVITKOVIC 21/08/24						Security Classification: <b>OFFICIAL: Sensitive</b> PROJECT CONTRACT: NORTH NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1405 SUI.T. CODE REVISION: 5	
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1 ELEVATION - MACORNA STREET - NORTH - INTERFACE BETWEEN SHARED USE PATH AND BRIDGE  
SCALE : 1 : 250

- NOTE:
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**MATERIAL LEGEND**

**PAINT FINISHES**

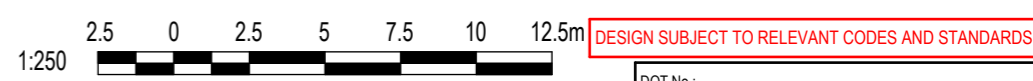
P-02 PAINT OVER STEEL - TYPE 02  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

**DECKING FINISHES**

D-01 BRIDGE DECK  
BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.

**LIGHTING**

L-01 LIGHTING  
LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.



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DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 2 M80 INTERCHANGE  
MACORNA STREET NORTH SHARED USE PATH BRIDGE ELEVATION

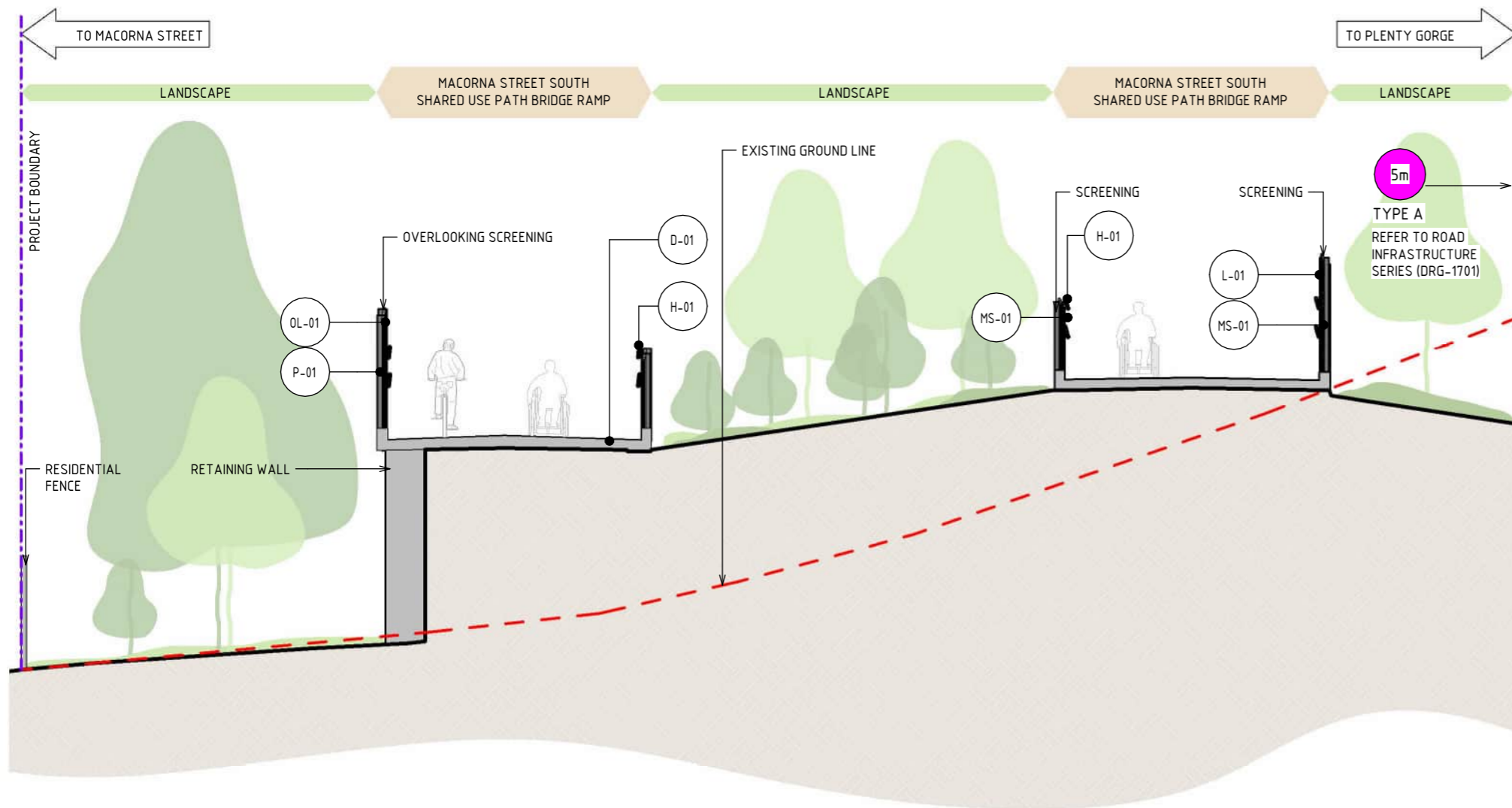
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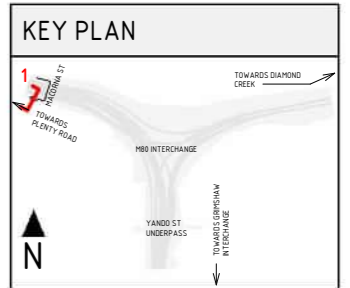
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REVISION: 5





1 SECTION - MACORNA STREET SOUTH SHARED USE PATH BRIDGE  
SCALE: 1:100

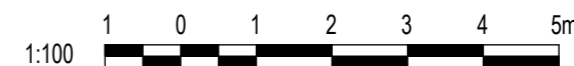


MATERIAL LEGEND	
<b>DECKING FINISHES</b>	
D-01	BRIDGE DECK BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.
<b>ACRYLIC FINISHES</b>	
OL-01	TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL TRANSLUCENT TINTED ACRYLIC. INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES. MATERIAL AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DESIGN DEVELOPMENT PHASE IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES.
<b>PAINT FINISHES</b>	
P-01	PAINT OVER STEEL - TYPE 01 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
<b>HANDRAIL FINISHES</b>	
H-01	STAINLESS STEEL HANDRAIL CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.
<b>LIGHTING</b>	
L-01	LIGHTING LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.
<b>MESH FINISHES</b>	
MS-01	WIRE MESH PROTECTION SCREEN WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

LEGEND	
	PROJECT BOUNDARY
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)

NOTE:

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5	UDLP FINAL SUBMISSION	21/08/24	
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3	UDLP REVISION 1	29/01/24	
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1	PUBLIC EXHIBITION	25/09/23	

NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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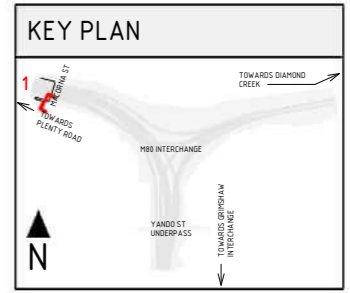
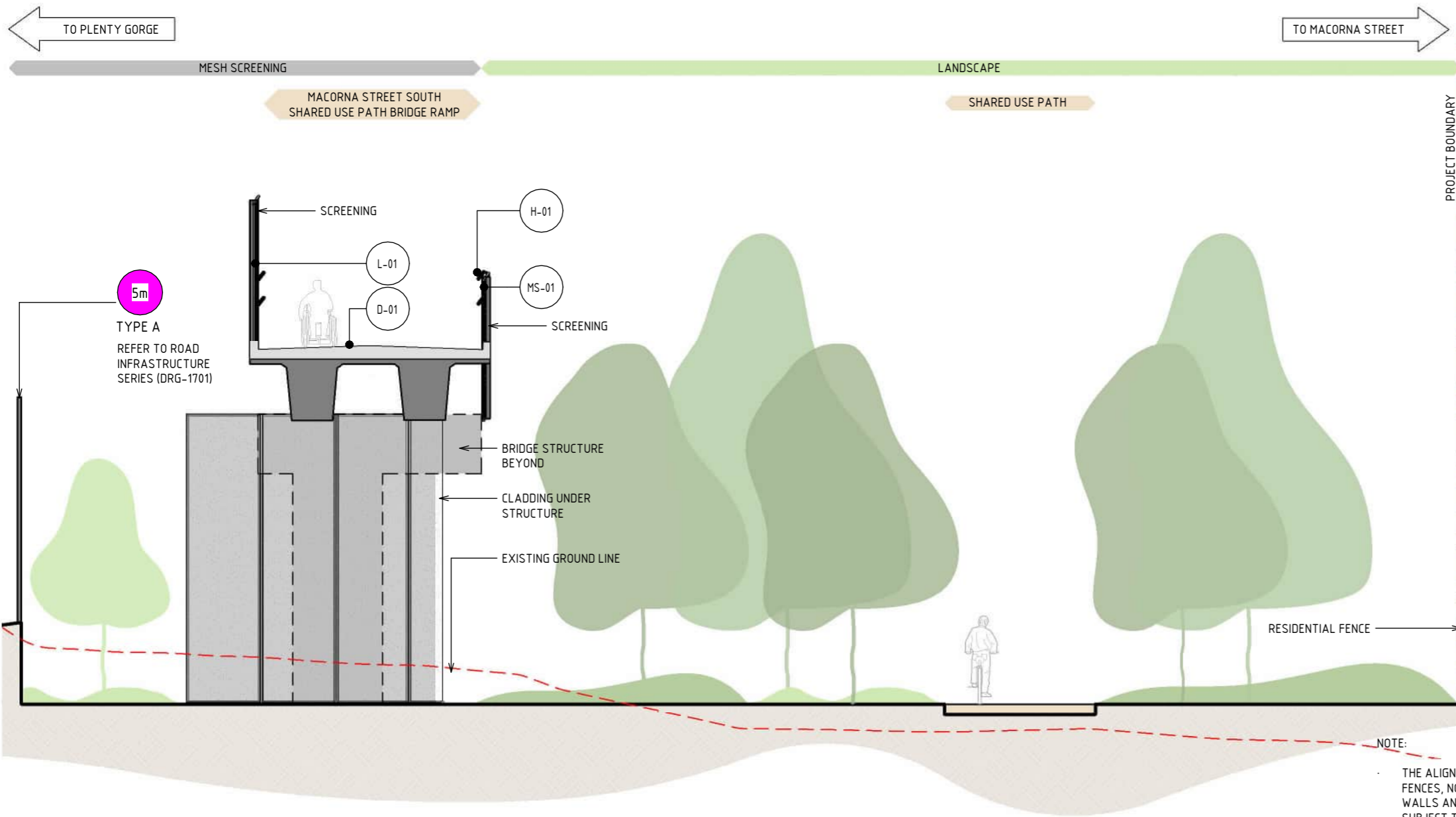
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CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ZONE 2 M80 INTERCHANGE	
MACORNA STREET SHARED USE PATH UNDERCROFT SECTION	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1407
SUIT. CODE	REVISION 5

21/08/2024 3:15:02 PM

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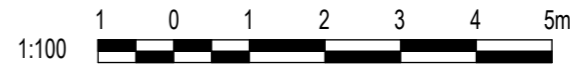


LEGEND	
	PROJECT BOUNDARY
	EXISTING GROUND LEVEL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)

MATERIAL LEGEND	
<b>DECKING FINISHES</b>	
	BRIDGE DECK
	BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.
<b>HANDRAIL FINISHES</b>	
	STAINLESS STEEL HANDRAIL
	CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.
<b>LIGHTING</b>	
	LIGHTING
	LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.
<b>MESH FINISHES</b>	
	WIRE MESH PROTECTION SCREEN
	WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

- NOTE:**
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**1 SECTION - MACORNA STREET SOUTH SHARED USE PATH BRIDGE**  
SCALE : 1:100



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5	UDLP FINAL SUBMISSION	21/08/24
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APPROVED BY: Z. CVITKOVIC	21/08/24

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SCALE: 1:100	

<b>NORTH EAST LINK PROGRAM</b>			
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ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN			
ZONE 2 M80 INTERCHANGE			
MACORNA STREET SOUTH UNDERCROFT SECTION			
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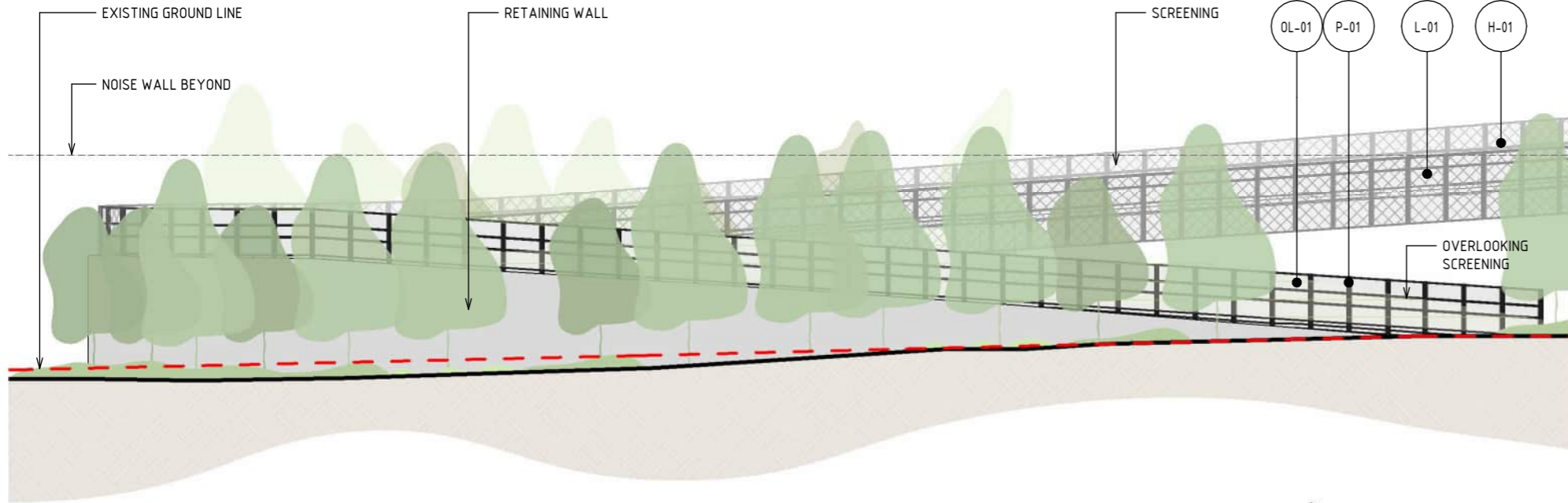


TO PLENTY ROAD

MARCORNA STREET SOUTH SHARED USE PATH BRIDGE RAMP

RETAINING WALL

LANDSCAPE

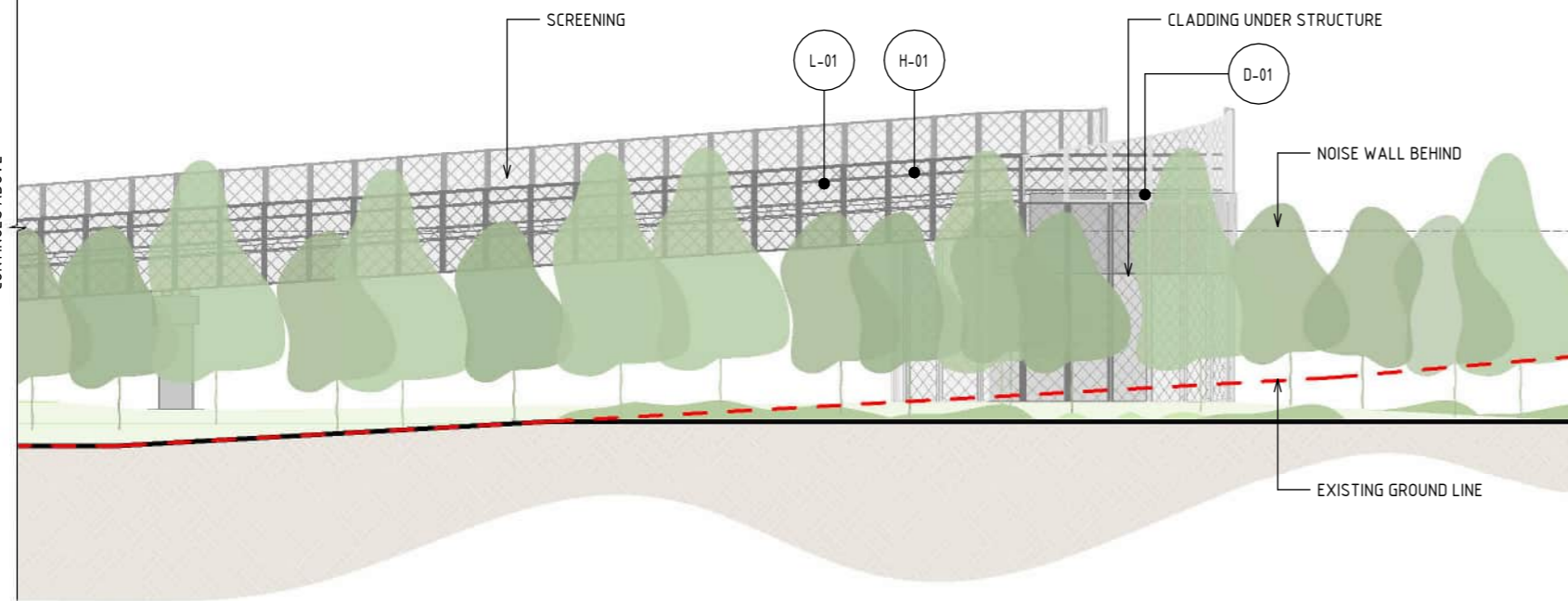


TO M80 INTERCHANGE

MARCORNA STREET WEST SHARED USE PATH BRIDGE RAMP

CLADDING UNDER STRUCTURE

LANDSCAPE



1 ELEVATION - MACORNA STREET - SOUTH - SHARED USE PATH BRIDGE  
SCALE : 1 : 250

### MATERIAL LEGEND

**ACRYLIC FINISHES**

OL-01 TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL  
TRANSLUCENT TINTED ACRYLIC. INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES. MATERIAL AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DESIGN DEVELOPMENT PHASE IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES.

**DECKING FINISHES**

D-01 BRIDGE DECK  
BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.

**PAINT FINISHES**

P-01 PAINT OVER STEEL - TYPE 01  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

**HANDRAIL FINISHES**

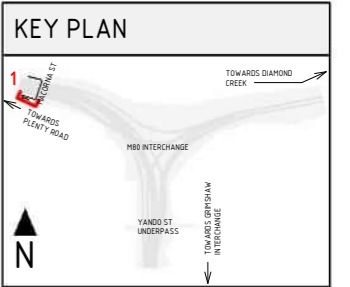
H-01 STAINLESS STEEL HANDRAIL  
CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.

**LIGHTING**

L-01 LIGHTING  
LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

**MESH FINISHES**

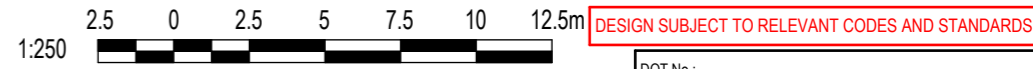
MS-01 WIRE MESH PROTECTION SCREEN  
WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.



### LEGEND

--- EXISTING GROUND LEVEL

- NOTE:
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4	UDLP FINAL SUBMISSION IEA	02/08/24	
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NAME	DATE
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DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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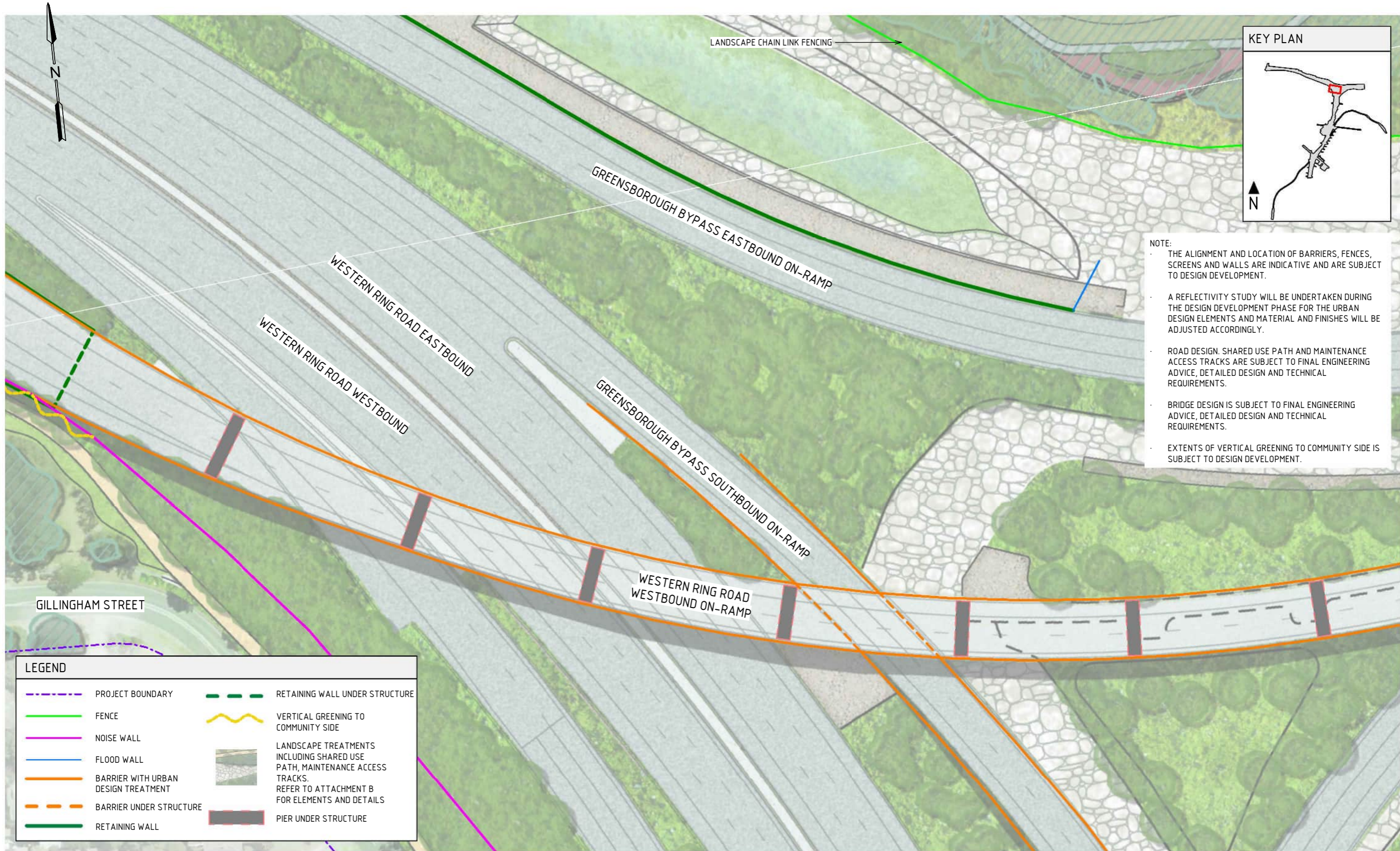
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CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 2 M80 INTERCHANGE  
MACORNA STREET SOUTH SHARED USE PATH UNDERCROFT ELEVATION

PROJECT CONTRACT: NORTH  
NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1409  
SUIT. CODE: 5



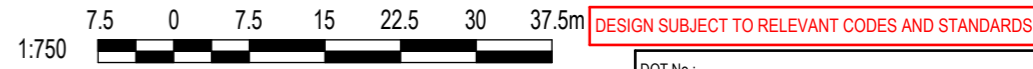


**NOTE:**

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- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

LEGEND	
	PROJECT BOUNDARY
	FENCE
	NOISE WALL
	FLOOD WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	BARRIER UNDER STRUCTURE
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	VERTICAL GREENING TO COMMUNITY SIDE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS
	PIER UNDER STRUCTURE

**GENERAL ARRANGEMENT PLAN - M80 INTERCHANGE**  
SCALE 1 : 750

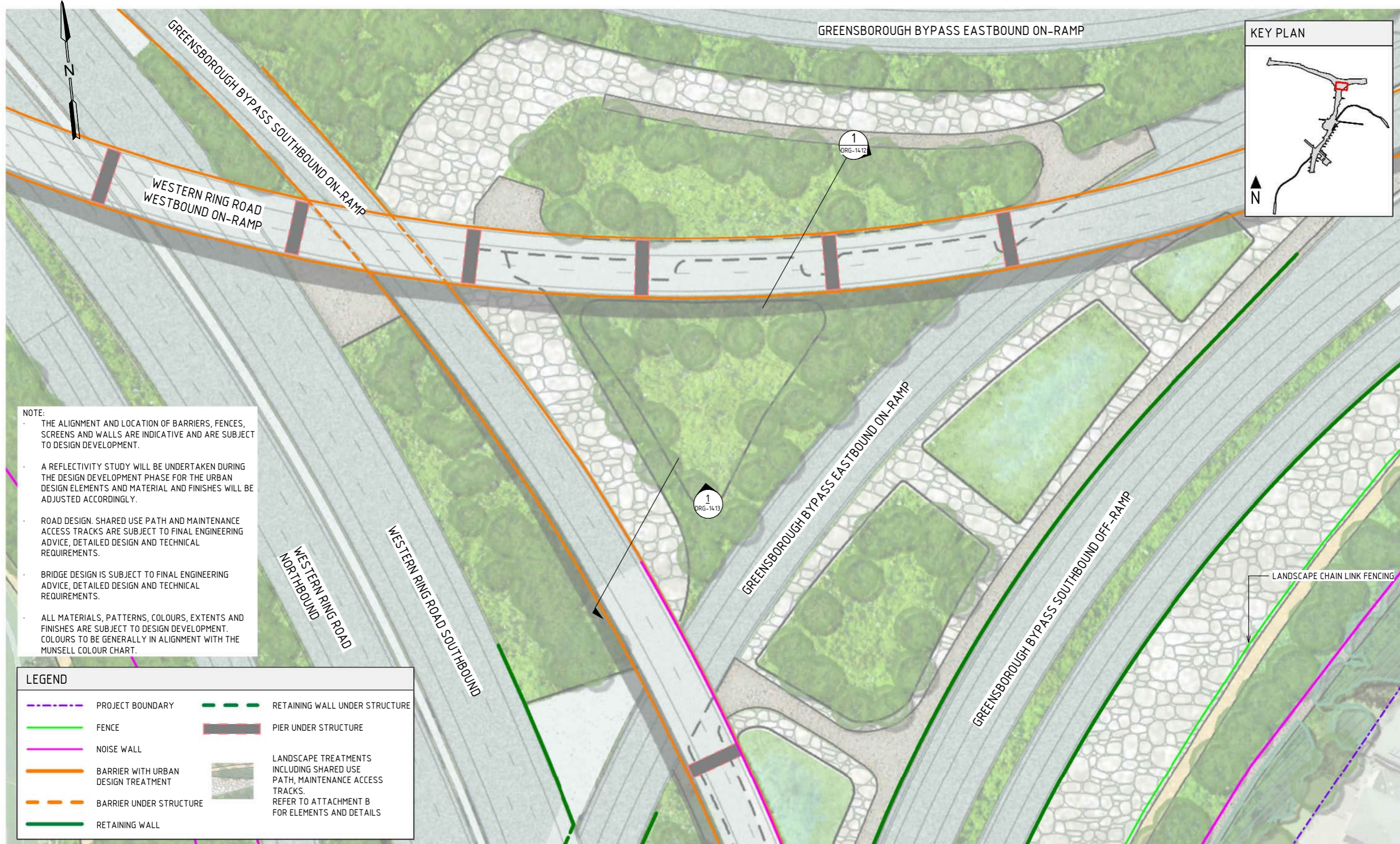


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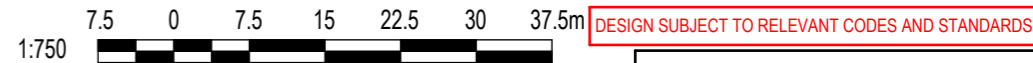


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LEGEND	
	PROJECT BOUNDARY
	RETAINING WALL UNDER STRUCTURE
	FENCE
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	BARRIER UNDER STRUCTURE
	RETAINING WALL
	PIER UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

**GENERAL ARRANGEMENT PLAN - M80 INTERCHANGE**  
SCALE 1: 750

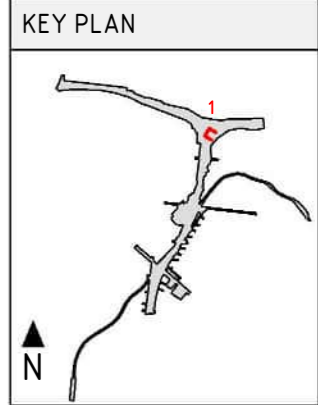


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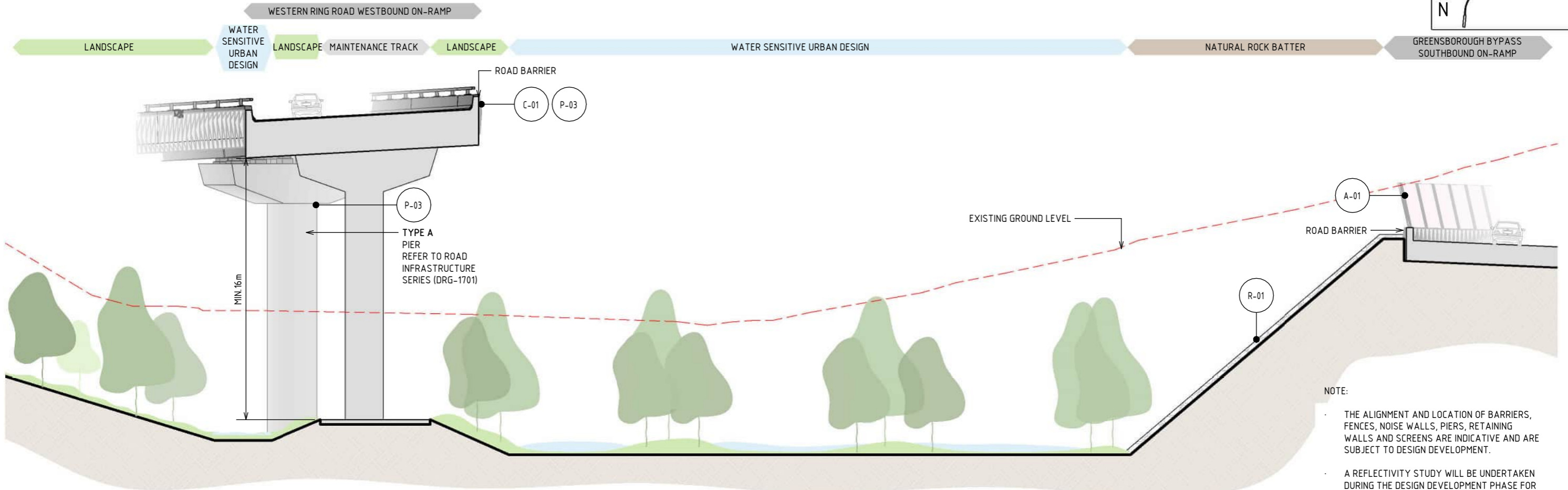
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← TO PLENTY GORGE

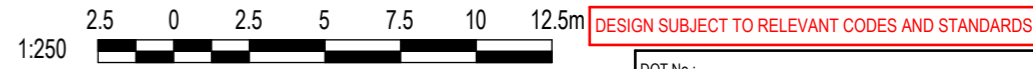
→ TO GRIMSHAW INTERCHANGE



**1 SECTION - M80 INTERCHANGE**  
SCALE : 1 : 250

MATERIAL LEGEND		
<b>ACRYLIC FINISHES</b>	<b>CONCRETE FINISHES</b>	<b>PAINT FINISHES</b>
<p><b>A-01</b> TRANSPARENT TINTED ACRYLIC PANEL</p> <p>TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYIMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.</p>	<p><b>C-01</b> CONCRETE WITH INTEGRAL FINISH</p> <p>CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.</p> <p><b>ROCK BATTER</b></p> <p><b>R-01</b> NATURAL ROCK BATTER</p> <p>NATURAL ROCK BATTER</p>	<p><b>P-03</b> PAINT OVER CONCRETE - TYPE 01</p> <p>PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>

LEGEND	
	EXISTING GROUND LEVEL

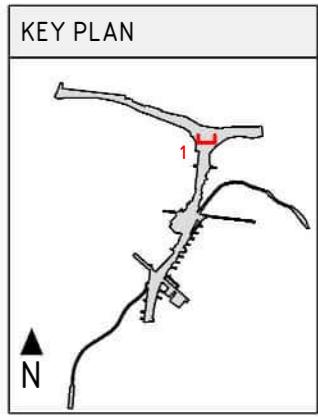
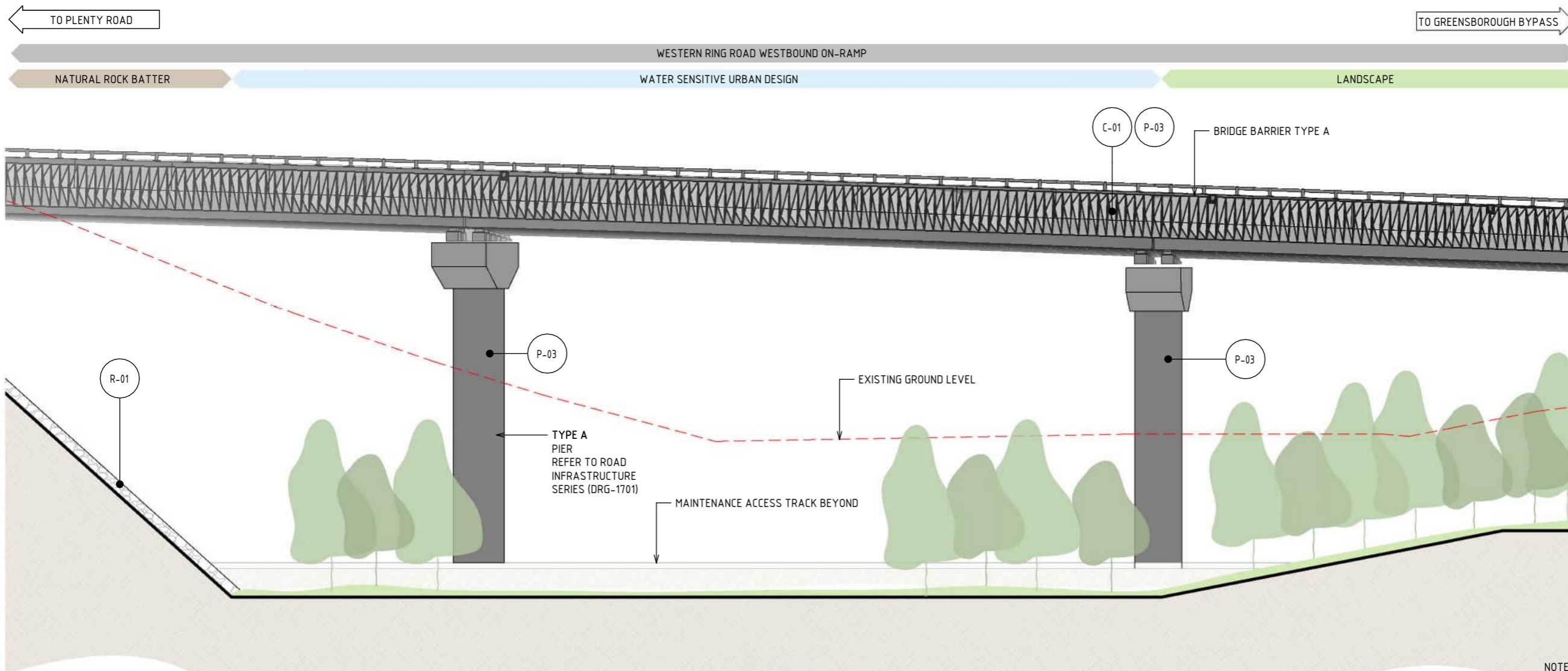


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  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

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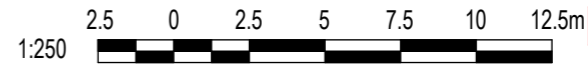


1 ELEVATION - M80 INTERCHANGE  
SCALE : 1 : 250

MATERIAL LEGEND	
<b>CONCRETE FINISHES</b>	<b>PAINT FINISHES</b>
C-01 CONCRETE WITH INTEGRAL FINISH	P-03 PAINT OVER CONCRETE - TYPE 01
CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.	PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.
<b>ROCK BATTER</b>	
R-01 NATURAL ROCK BATTER	
NATURAL ROCK BATTER	

LEGEND	
	EXISTING GROUND LEVEL

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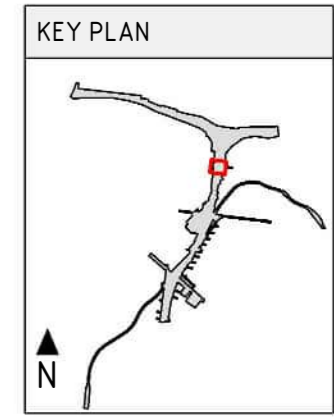
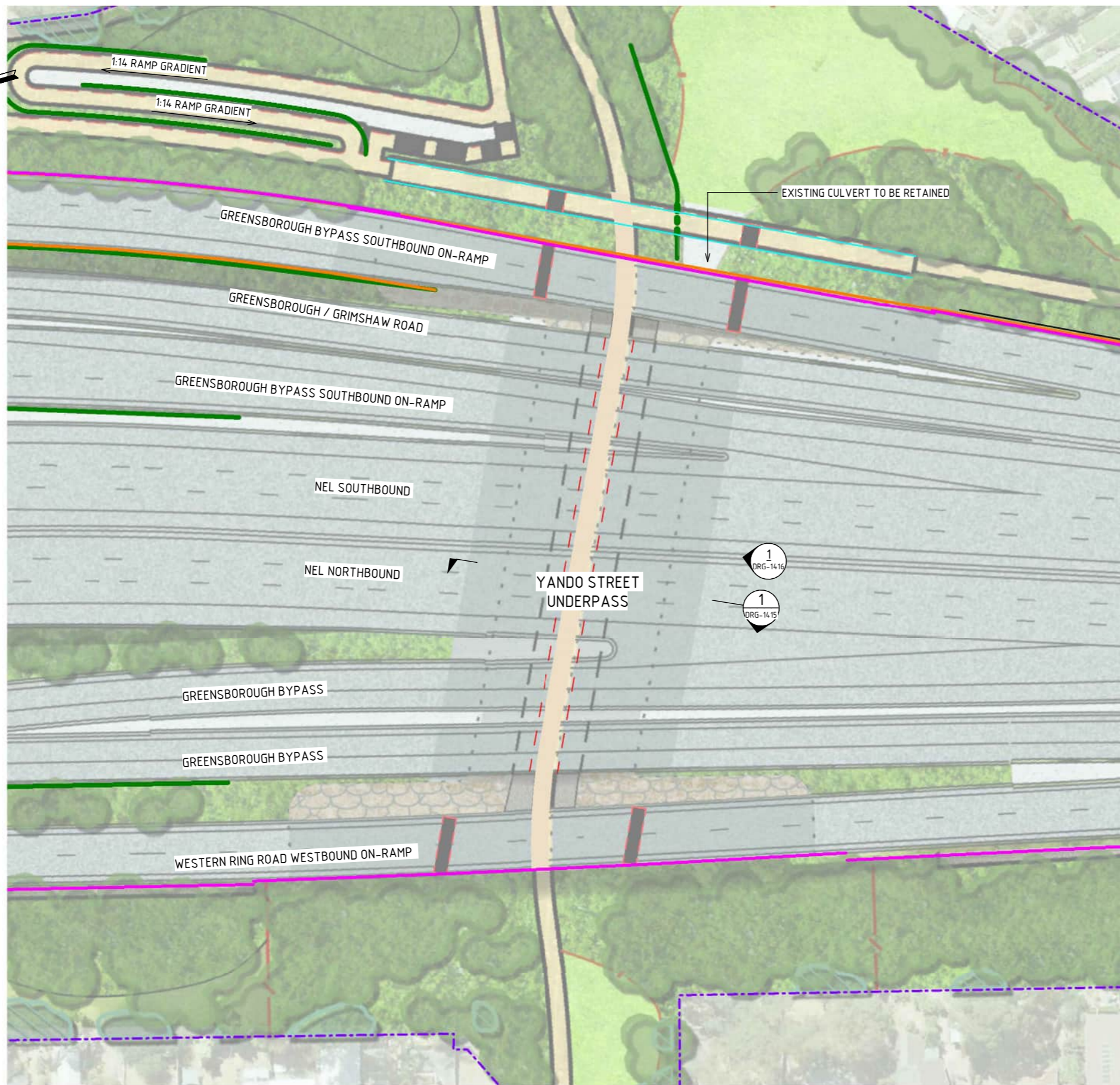


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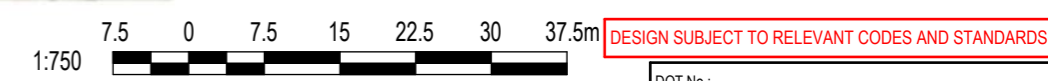


**NOTE:**

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LEGEND	
	PROJECT BOUNDARY
	SCREEN
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	RETAINING WALL
	LIGHTING
	PIER UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

**GENERAL ARRANGEMENT - YANDO STREET UNDERPASS**  
SCALE 1 : 750



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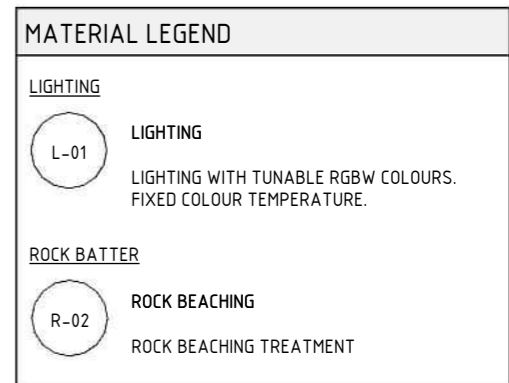
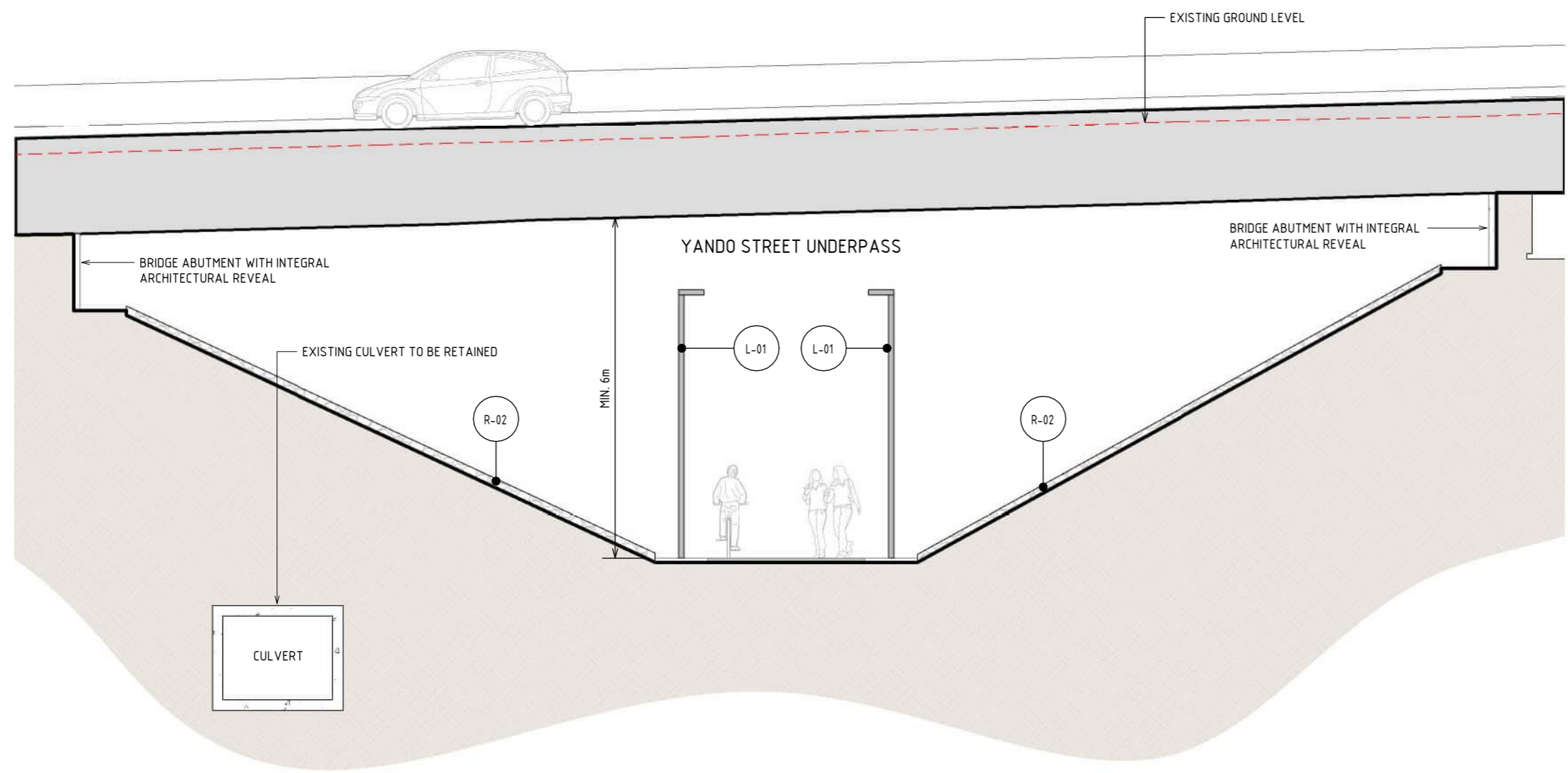
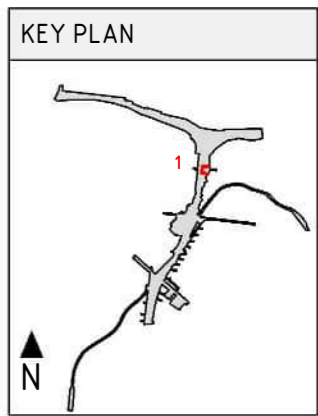
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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 2 M80 INTERCHANGE  
GENERAL ARRANGEMENT PLANS - YANDO STREET UNDERPASS



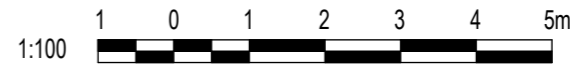
TO M80 INTERCHANGE ← TO GRIMSHAW STREET INTERCHANGE →

NEL NORTHBOUND  
 ROCK BEACHING SHARED USE PATH ROCK BEACHING



1 SECTION - YANDO STREET UNDERPASS  
 SCALE : 1 : 100

- NOTE:
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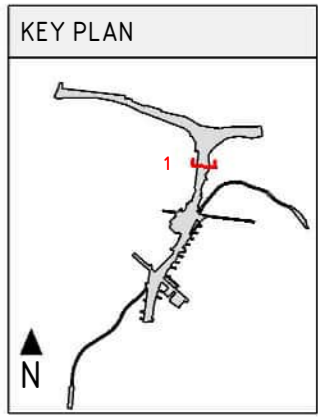
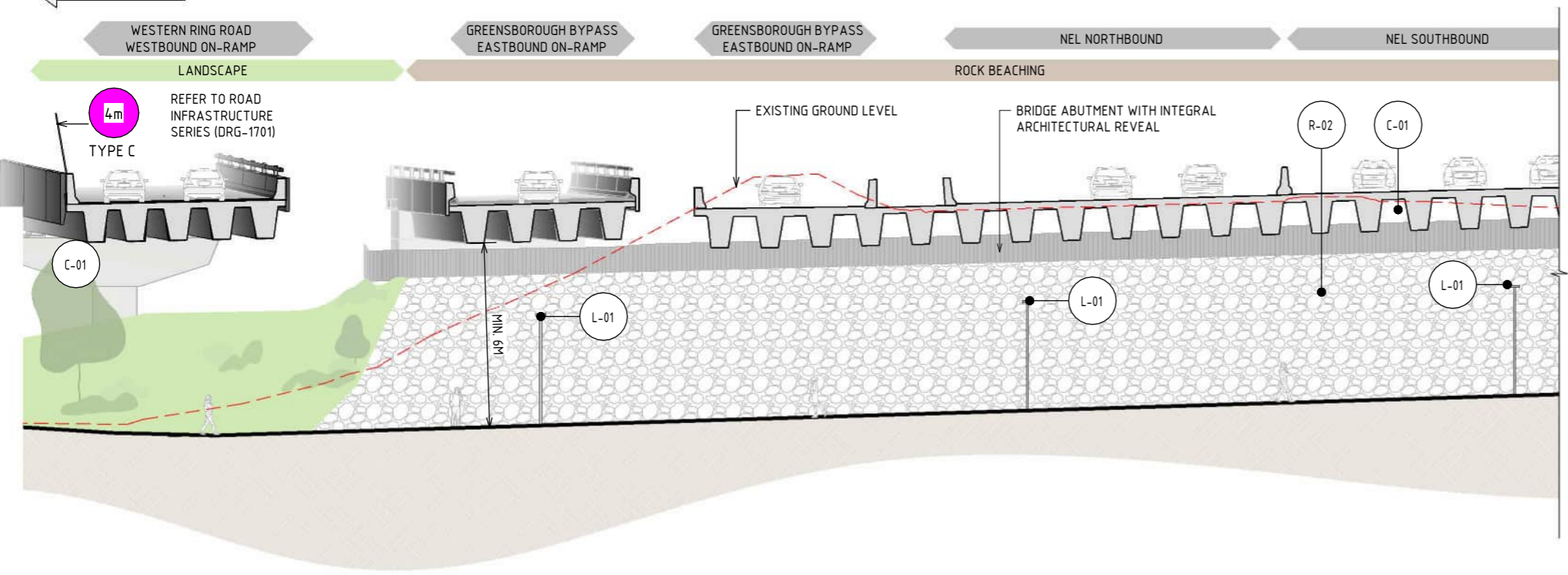
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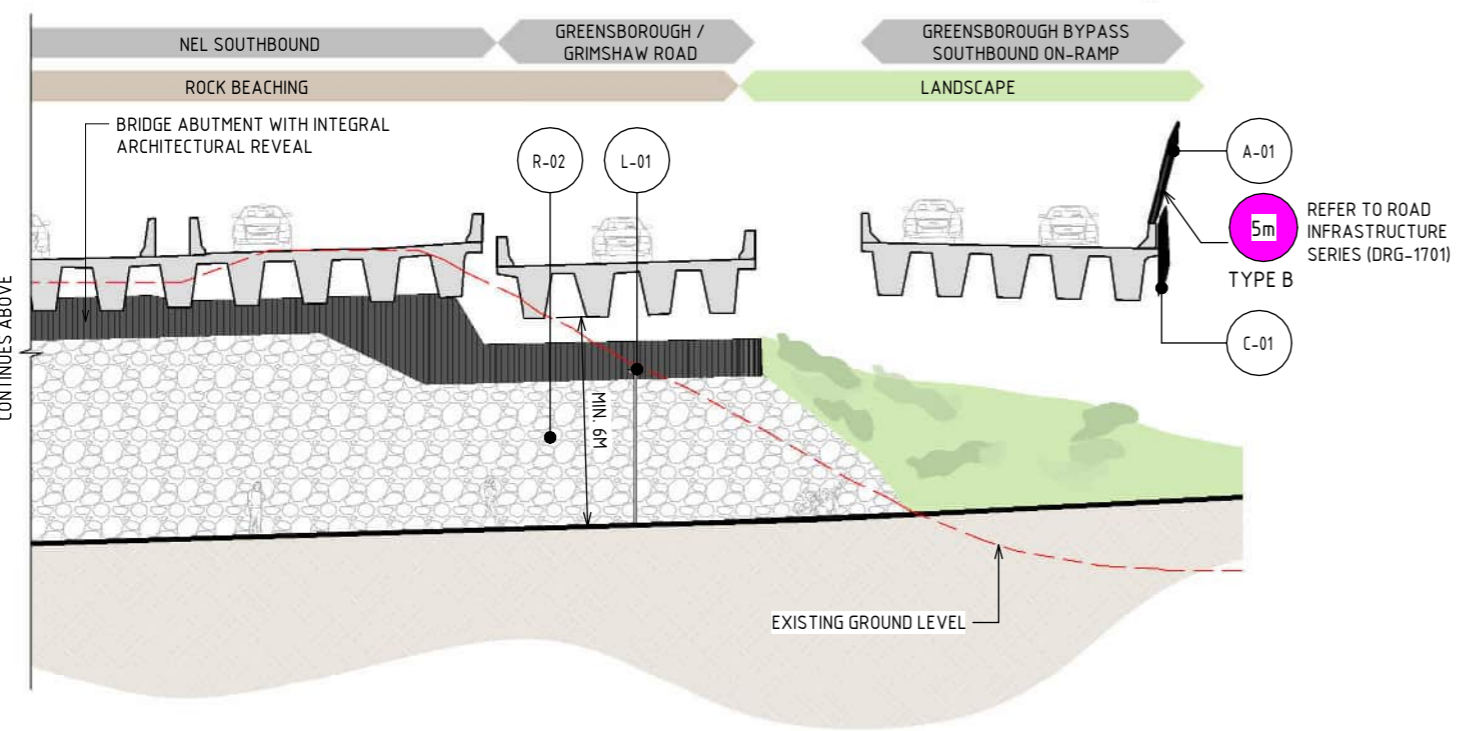
<b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ZONE 2 M80 INTERCHANGE	
YANDO STREET UNDERPASS - SECTION	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1415
SUIT. CODE	REVISION 5



TO SELLARS STREET



TO YANDO STREET



**LEGEND**

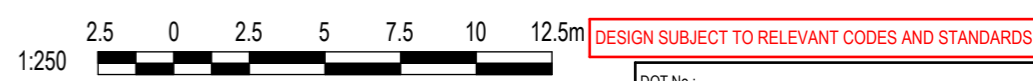
- EXISTING GROUND LEVEL
- ⊗ X m MAXIMUM NOISE WALL HEIGHT (IN METRES)

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**MATERIAL LEGEND**

CONCRETE FINISHES		ACRYLIC FINISHES	
C-01	CONCRETE WITH INTEGRAL FINISH	A-01	TRANSPARENT TINTED ACRYLIC PANEL
	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.		TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.
ROCK BATTER			
R-02	ROCK BEACHING		
	ROCK BEACHING TREATMENT		
LIGHTING			
L-01	LIGHTING		
	LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.		

**1 NORTH ELEVATION - YANDO STREET UNDERPASS**  
SCALE : 1 : 250



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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 2 M80 INTERCHANGE  
YANDO STREET UNDERPASS - ELEVATION

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1416

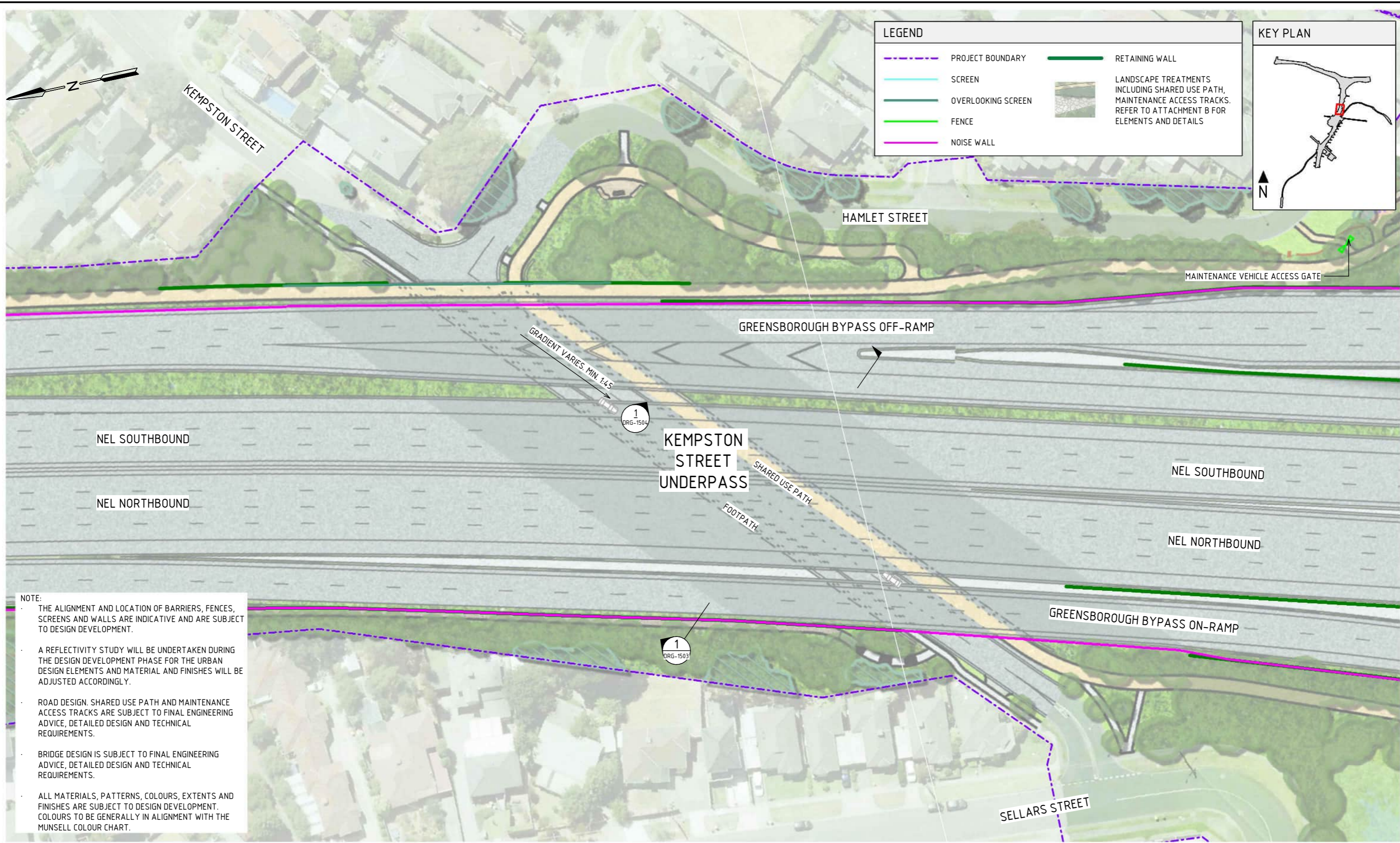
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21/08/2024 3:17:55 PM Note: \* Indicates signed documents as drawings will not have wet signatures.



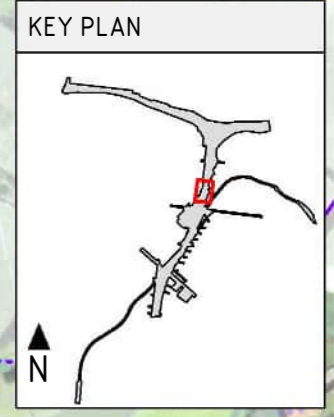






**LEGEND**

- PROJECT BOUNDARY
- SCREEN
- OVERLOOKING SCREEN
- FENCE
- NOISE WALL
- RETAINING WALL
- LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS



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**GENERAL ARRANGEMENT - KEMPSTON STREET UNDERPASS**  
SCALE 1: 750

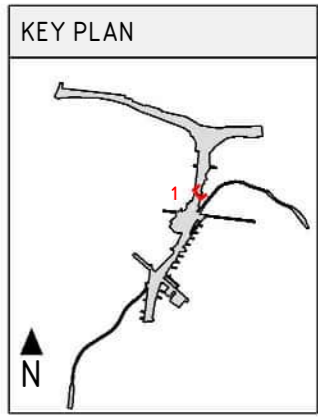
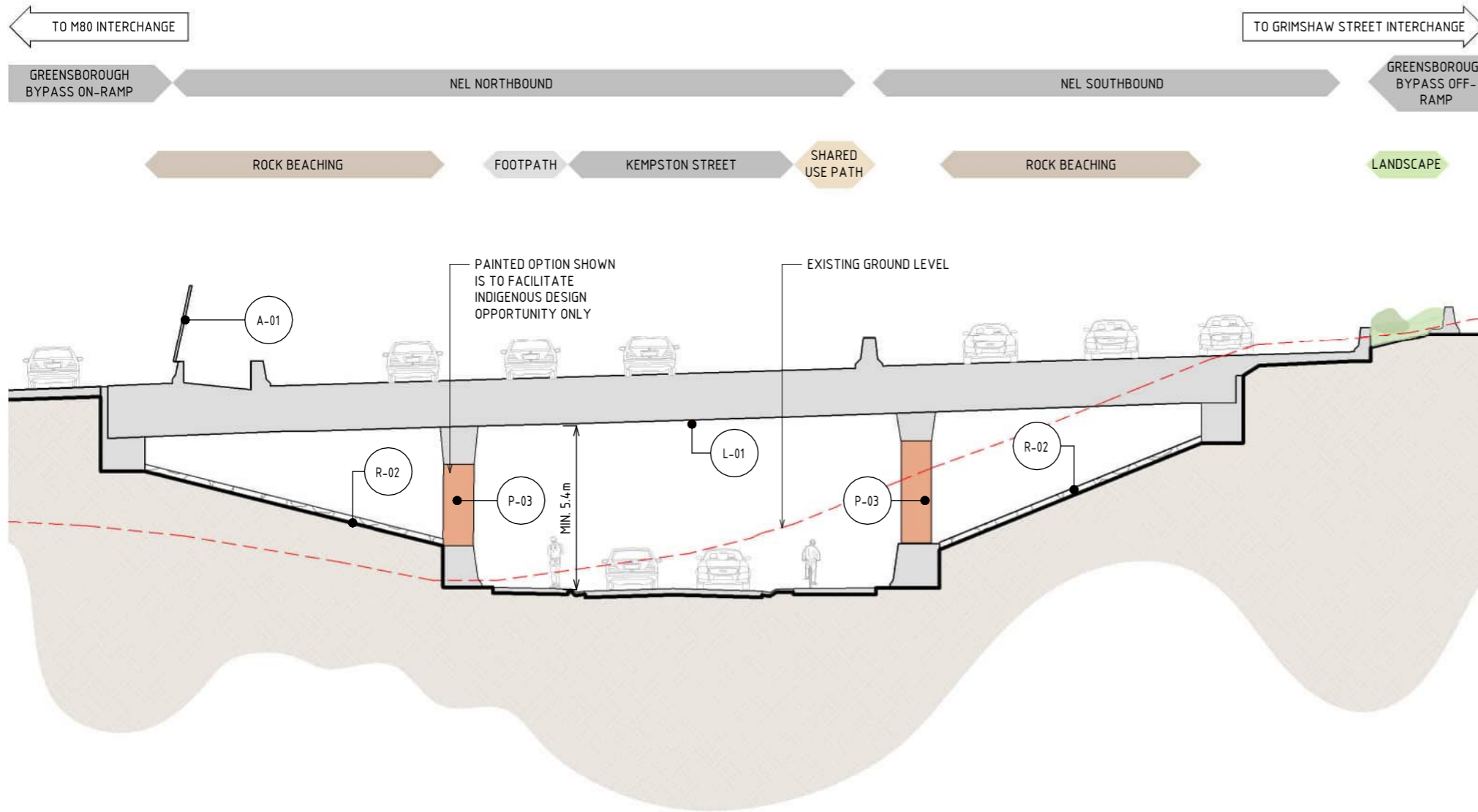
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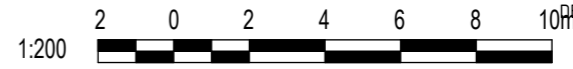


1 SECTION - KEMPSTON STREET UNDERPASS  
SCALE: 1:200

MATERIAL LEGEND	
<p><b>PAINT FINISHES</b></p> <p><b>P-03</b> PAINT OVER CONCRETE - TYPE 01</p> <p>PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>	<p><b>ROCK BATTER</b></p> <p><b>R-02</b> ROCK BEATING</p> <p>ROCK BEATING TREATMENT.</p> <p><b>LIGHTING</b></p> <p><b>L-01</b> LIGHTING</p> <p>LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.</p>
<p><b>ACRYLIC FINISHES</b></p> <p><b>A-01</b> TRANSPARENT TINTED ACRYLIC PANEL</p> <p>TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.</p>	

LEGEND	
	EXISTING GROUND LEVEL

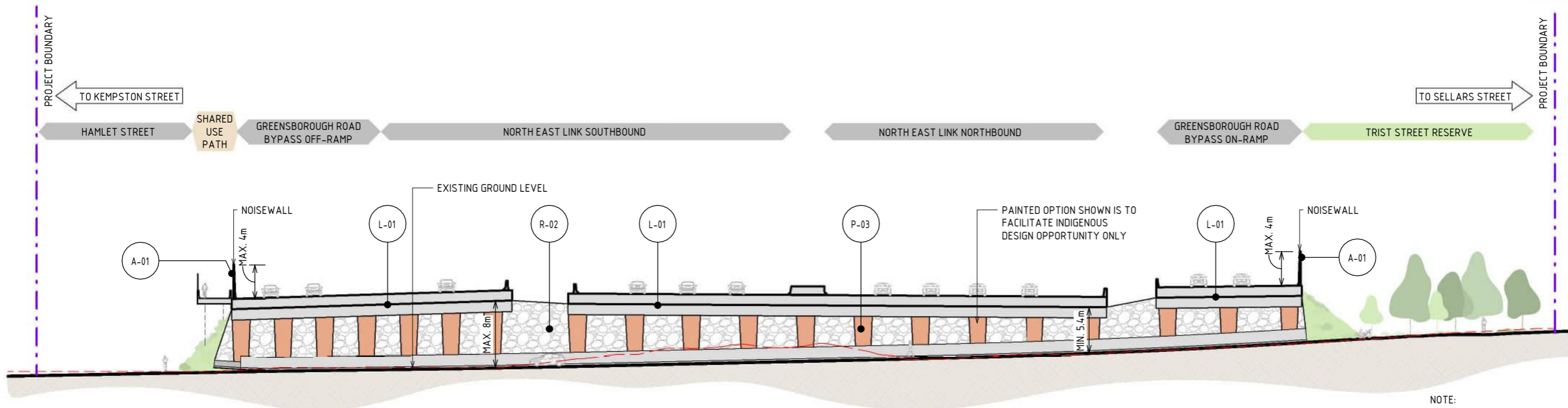
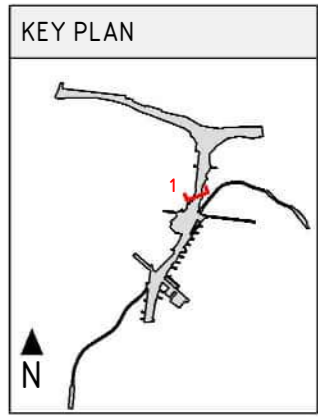
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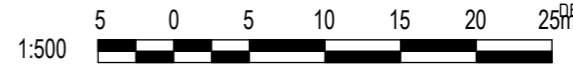


**1 ELEVATION - KEMPSTON STREET UNDERPASS**  
SCALE : 1 : 500

PAINT FINISHES		ROCK BATTER		ACRYLIC FINISHES	
<b>P-03</b>	<b>PAINT OVER CONCRETE - TYPE 01</b> PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.	<b>R-02</b>	<b>ROCK BEACHING</b> ROCK BEACHING TREATMENT.	<b>A-01</b>	<b>TRANSPARENT TINTED ACRYLIC PANEL</b> TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.
		<b>L-01</b>	<b>LIGHTING</b> LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.		

LEGEND	
	PROJECT BOUNDARY
	EXISTING GROUND LEVEL

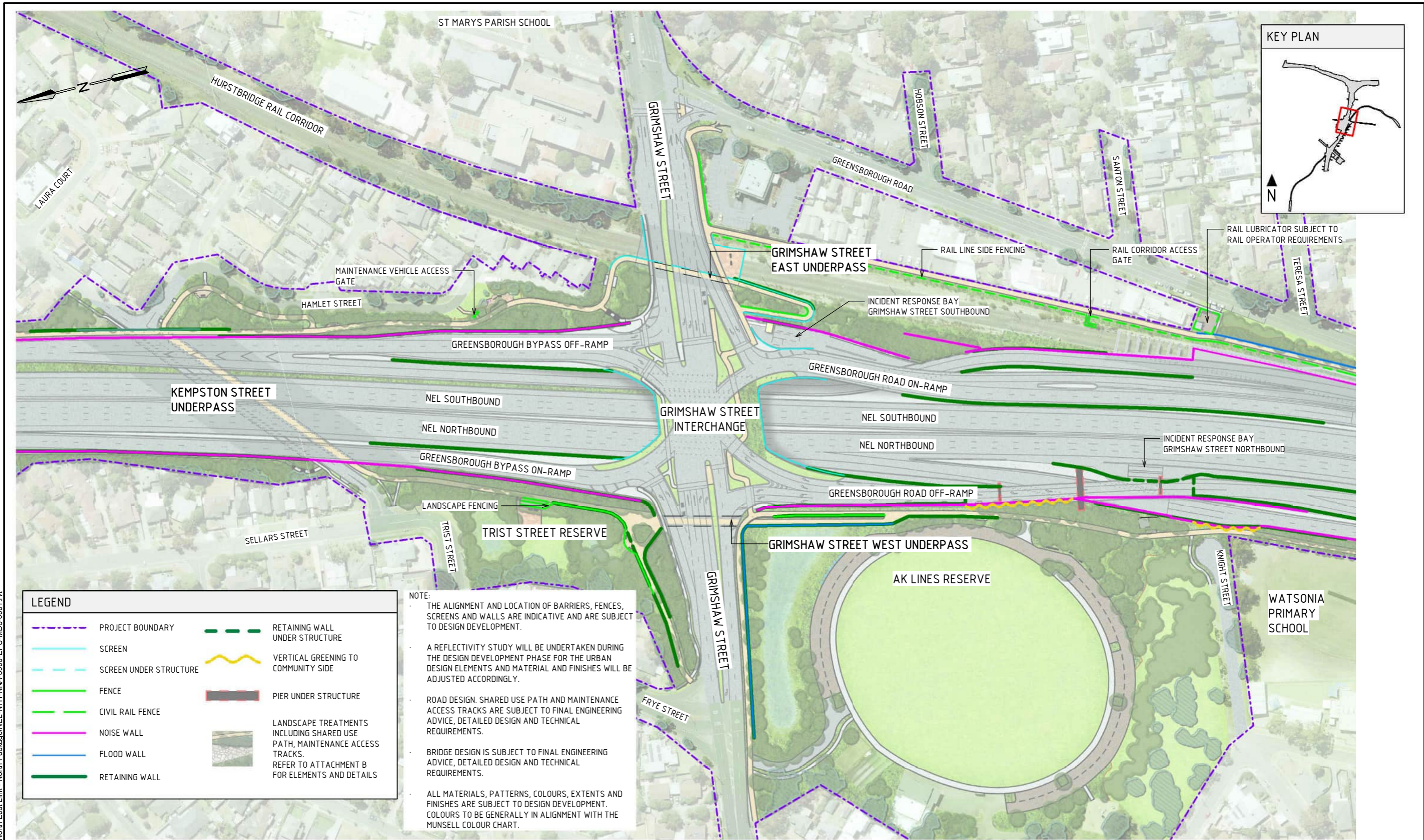
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  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS**



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**GENERAL ARRANGEMENT - GRIMSHAW STREET INTERCHANGE**  
SCALE 1:2000



LEGEND	
	PROJECT BOUNDARY
	RETAINING WALL UNDER STRUCTURE
	SCREEN
	SCREEN UNDER STRUCTURE
	FENCE
	CIVIL RAIL FENCE
	NOISE WALL
	FLOOD WALL
	RETAINING WALL
	VERTICAL GREENING TO COMMUNITY SIDE
	PIER UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

**NOTE:**

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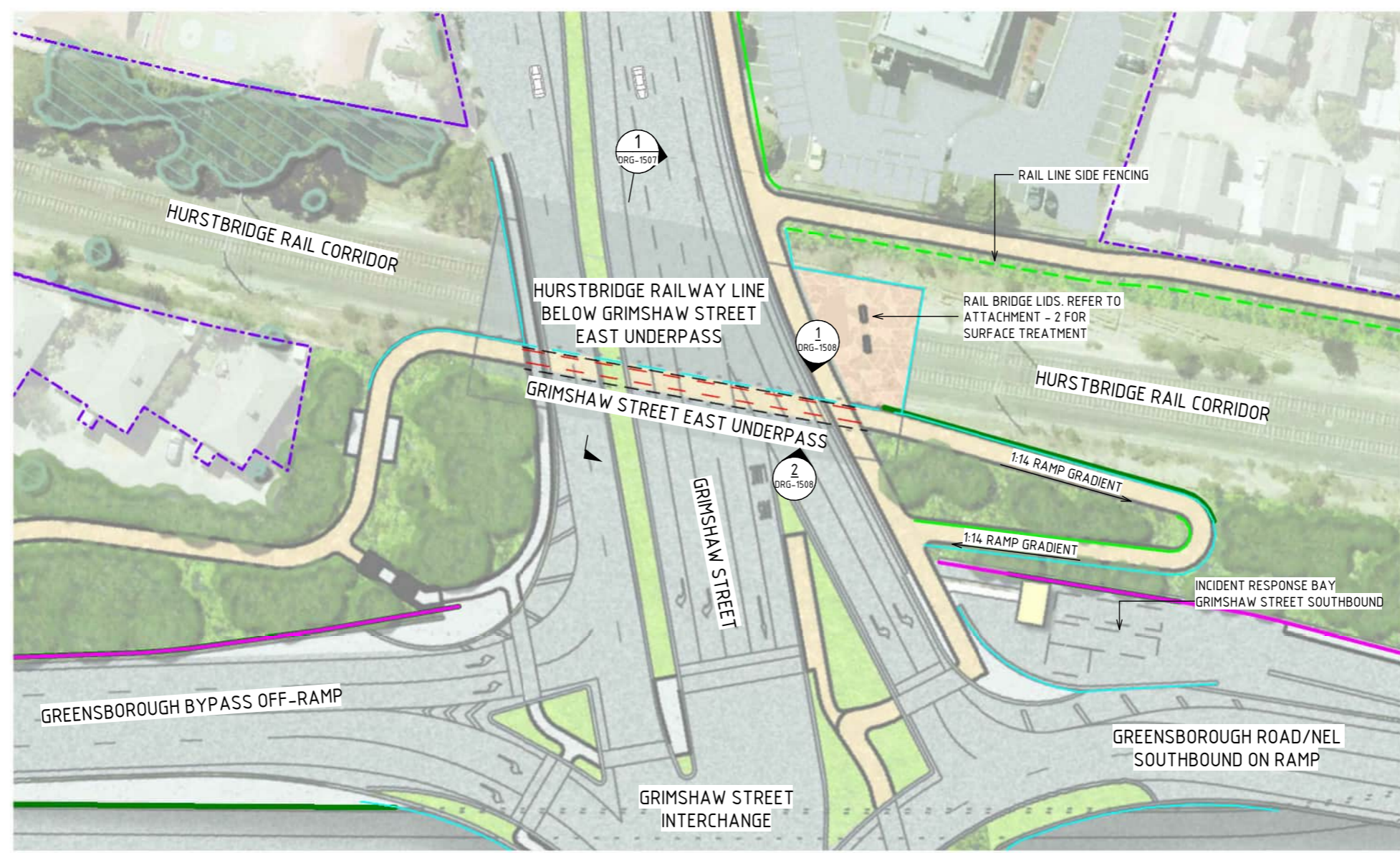
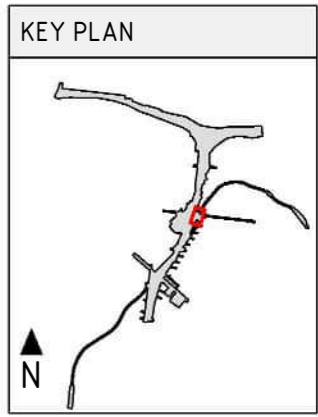
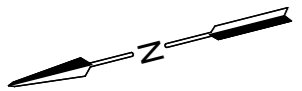
**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 3 GREENSBOROUGH ROAD  
GENERAL ARRANGEMENT PLAN - GRIMSHAW STREET INTERCHANGE

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1505

SUIT. CODE REVISION: 5



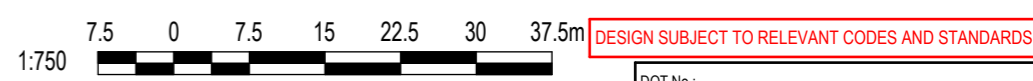


**GENERAL ARRANGEMENT - GRIMSHAW STREET EAST UNDERPASS**  
SCALE 1: 750

LEGEND	
	PROJECT BOUNDARY
	SCREEN
	SCREEN UNDER STRUCTURE
	FENCE
	CIVIL RAIL FENCE
	NOISE WALL
	RETAINING WALL
	LIGHTING
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

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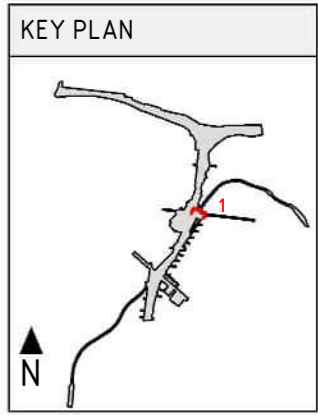
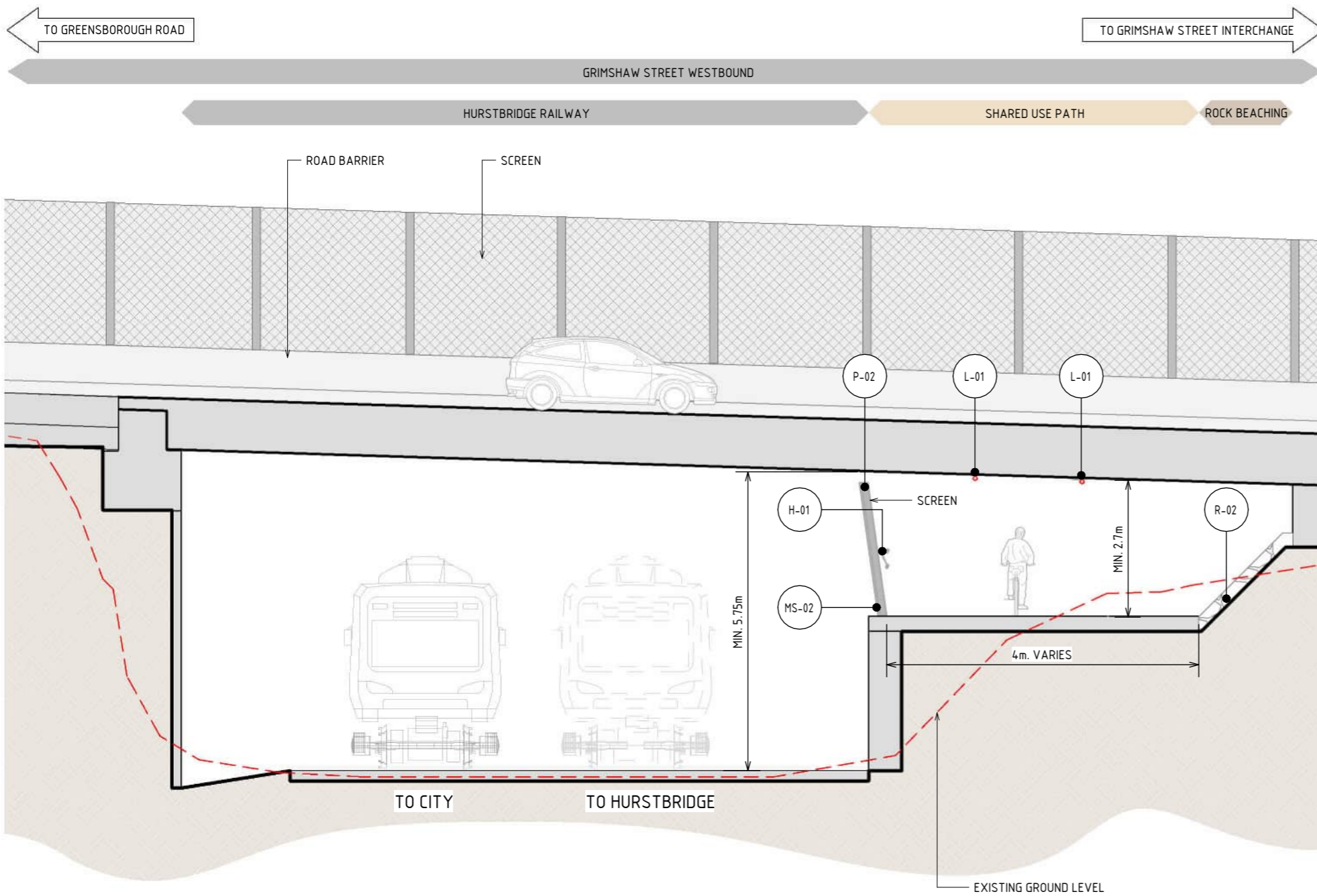


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<b>NORTH EAST LINK PROGRAM</b>	
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ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ZONE 3 GREENSBOROUGH ROAD	
GENERAL ARRANGEMENT PLAN - GRIMSHAW STREET EAST UNDERPASS	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1506
SUIT. CODE	REVISION 5





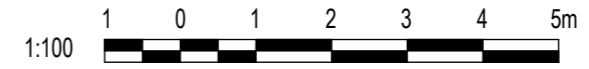
LEGEND	
	EXISTING GROUND LEVEL

MATERIAL LEGEND	
<b>PAINT FINISHES</b>	<b>MESH FINISHES</b>
<p><b>P-02</b> PAINT OVER STEEL - TYPE 02</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p>	<p><b>MS-01</b> WIRE MESH PROTECTION SCREEN</p> <p>WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.</p>
	<p><b>MS-02</b> WIRE MESH PROTECTION SCREEN WITH PVDF FINISH IN CUSTOM COLOURS</p> <p>WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. PVDF FINISH IN CUSTOM COLOURS.</p>
<b>HANDRAIL FINISHES</b>	
<p><b>H-01</b> STAINLESS STEEL HANDRAIL</p> <p>CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.</p>	
<b>LIGHTING</b>	<b>ROCK BATTER</b>
<p><b>L-01</b> LIGHTING</p> <p>LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.</p>	<p><b>R-02</b> ROCK BEACHING</p> <p>ROCK BEACHING TREATMENT</p>

**1 SECTION - GRIMSHAW STREET EAST UNDERPASS**  
SCALE : 1 : 100

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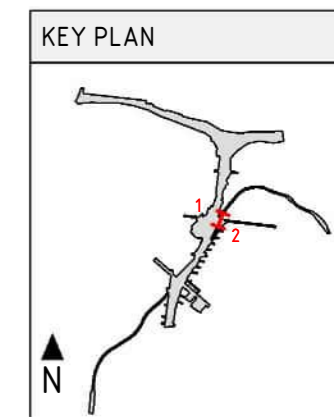
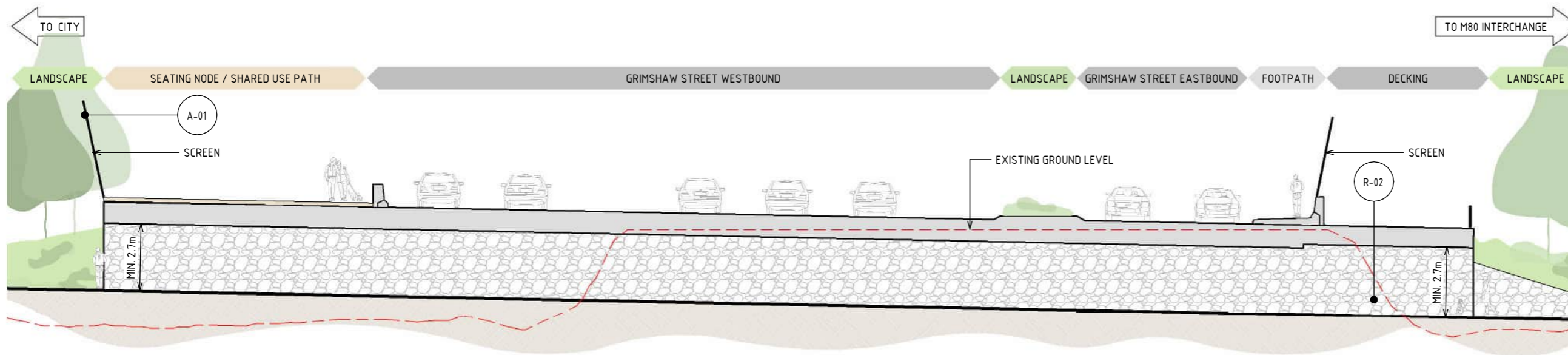


DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

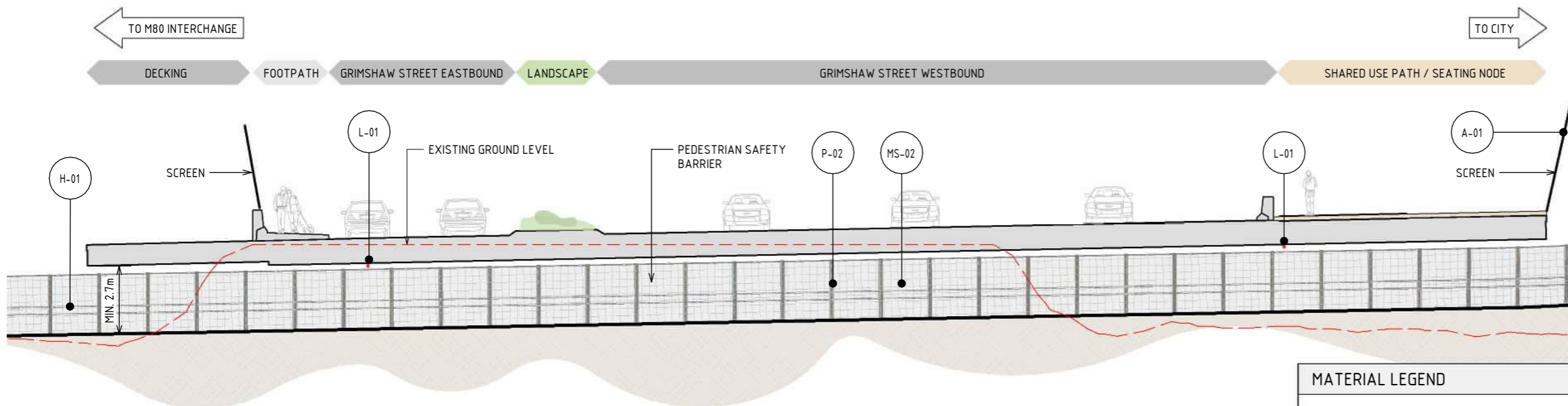
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1 WEST ELEVATION - GRIMSHAW STREET EAST UNDERPASS  
SCALE: 1:200



2 EAST ELEVATION - GRIMSHAW STREET EAST UNDERPASS  
SCALE: 1:200

### MATERIAL LEGEND

**ACRYLIC FINISHES**

A-01 TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.

**MESH FINISHES**

MS-01 WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

MS-02 WIRE MESH PROTECTION SCREEN WITH PVDF FINISH IN CUSTOM COLOURS.

WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. PVDF FINISH IN CUSTOM COLOURS.

**PAINT FINISHES**

P-02 PAINT OVER STEEL - TYPE 02

PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

### MATERIAL LEGEND

**HANDRAIL FINISHES**

H-01 STAINLESS STEEL HANDRAIL

CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.

**ROCK BATTER**

R-02 ROCK BEACHING

ROCK BEACHING TREATMENT.

**LIGHTING**

L-01 LIGHTING

LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

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5	UDLP FINAL SUBMISSION	21/08/24	
4	UDLP FINAL SUBMISSION IEA	02/08/24	
3	UDLP REVISION 1	29/01/24	
2	UDLP IEA REVIEW	21/12/23	
1	PUBLIC EXHIBITION	25/09/23	

NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION

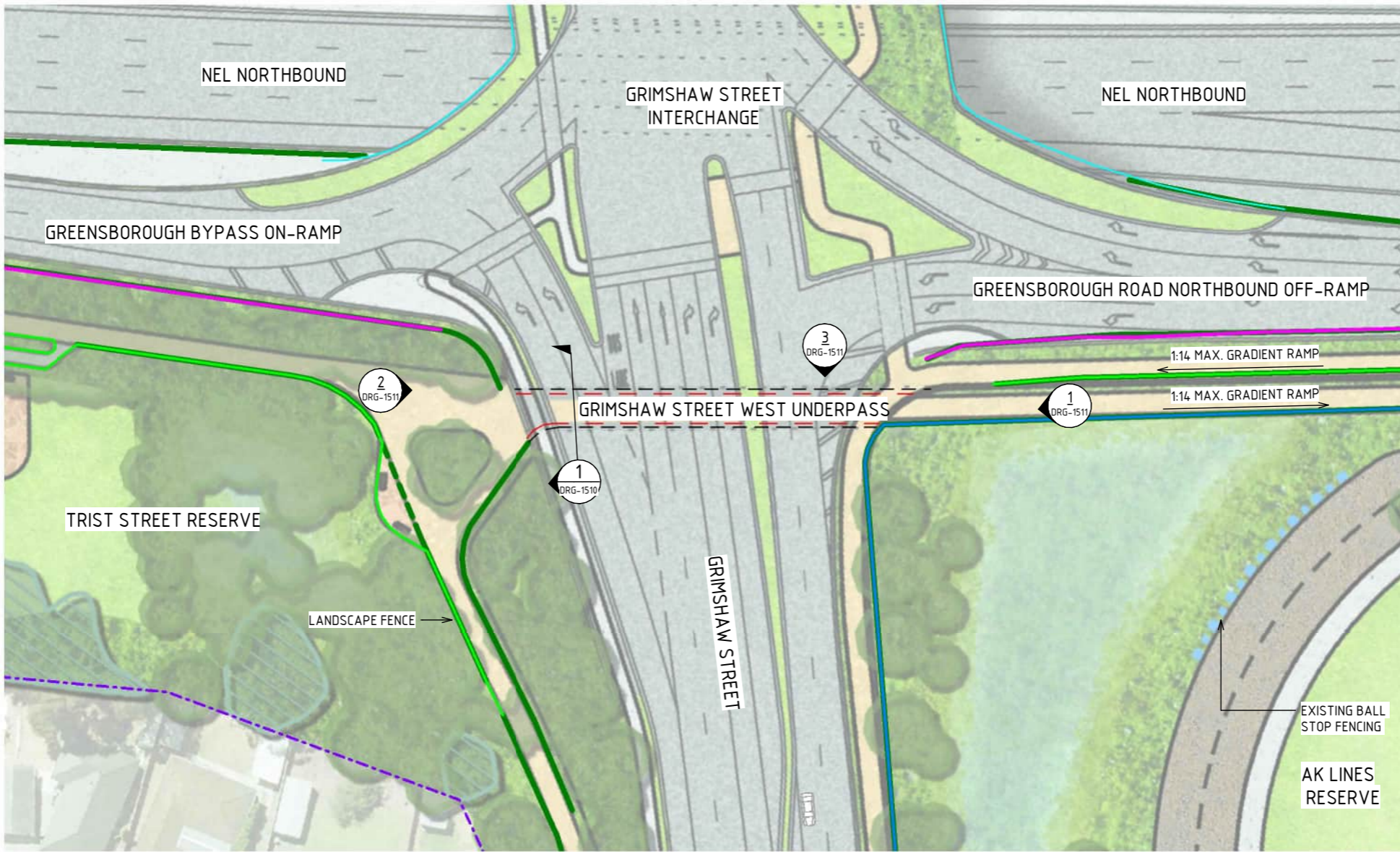
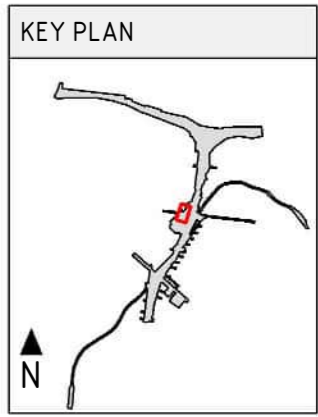
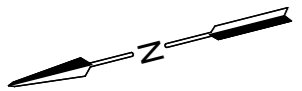
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 3 GREENSBOROUGH ROAD  
GRIMSHAW STREET EAST UNDERPASS - ELEVATION

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1508

SUIT. CODE: REVISION 5



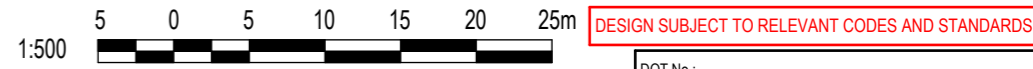


GENERAL ARRANGEMENT - GRIMSHAW STREET WEST UNDERPASS  
SCALE 1: 750

LEGEND	
	PROJECT BOUNDARY
	SCREEN
	FENCE
	NOISE WALL
	FLOOD WALL
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	LIGHTING
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

NOTE:

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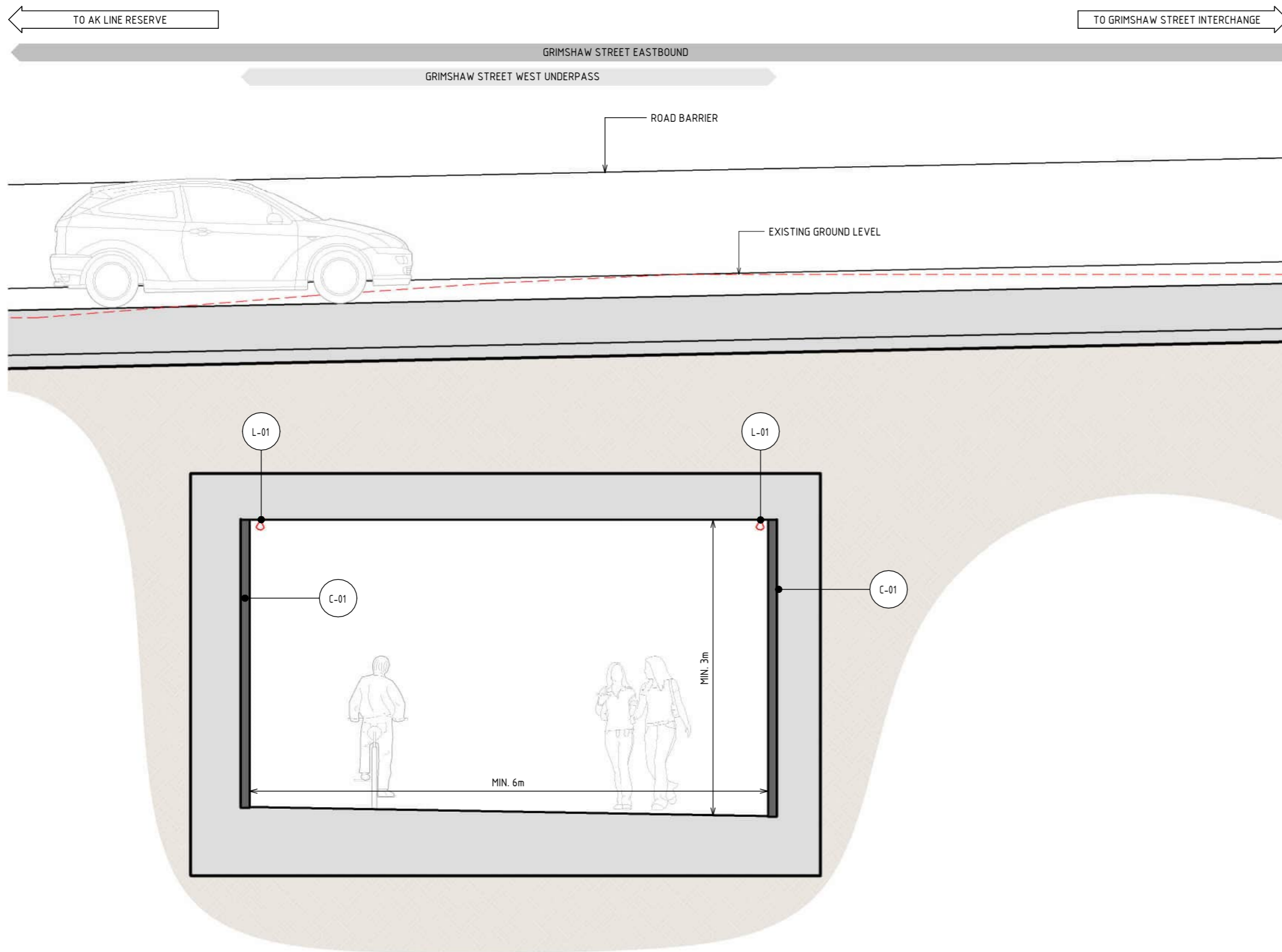
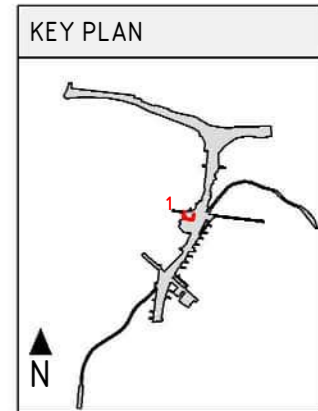
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NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ZONE 3 GREENSBOROUGH ROAD	
GENERAL ARRANGEMENT PLAN - GRIMSHAW STREET WEST UNDERPASS	
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SUIT. CODE	REVISION 5

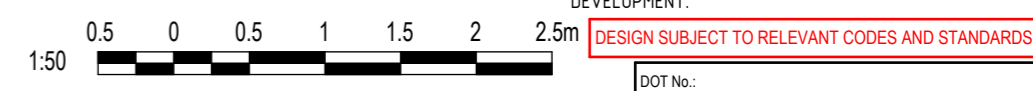




LEGEND	
	EXISTING GROUND LEVEL

MATERIAL LEGEND	
<b>CONCRETE FINISHES</b>	
	CONCRETE WITH INTEGRAL FINISH
	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.
<b>LIGHTING</b>	
	LIGHTING
	LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

- NOTE:
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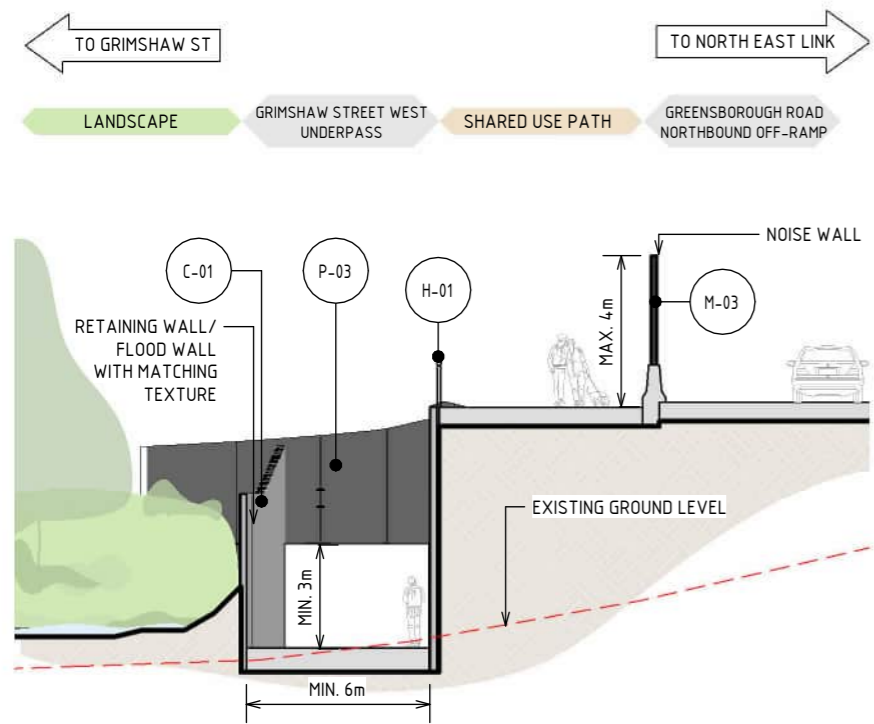


1 SECTION - GRIMSHAW STREET WEST UNDERPASS  
SCALE : 1 : 50

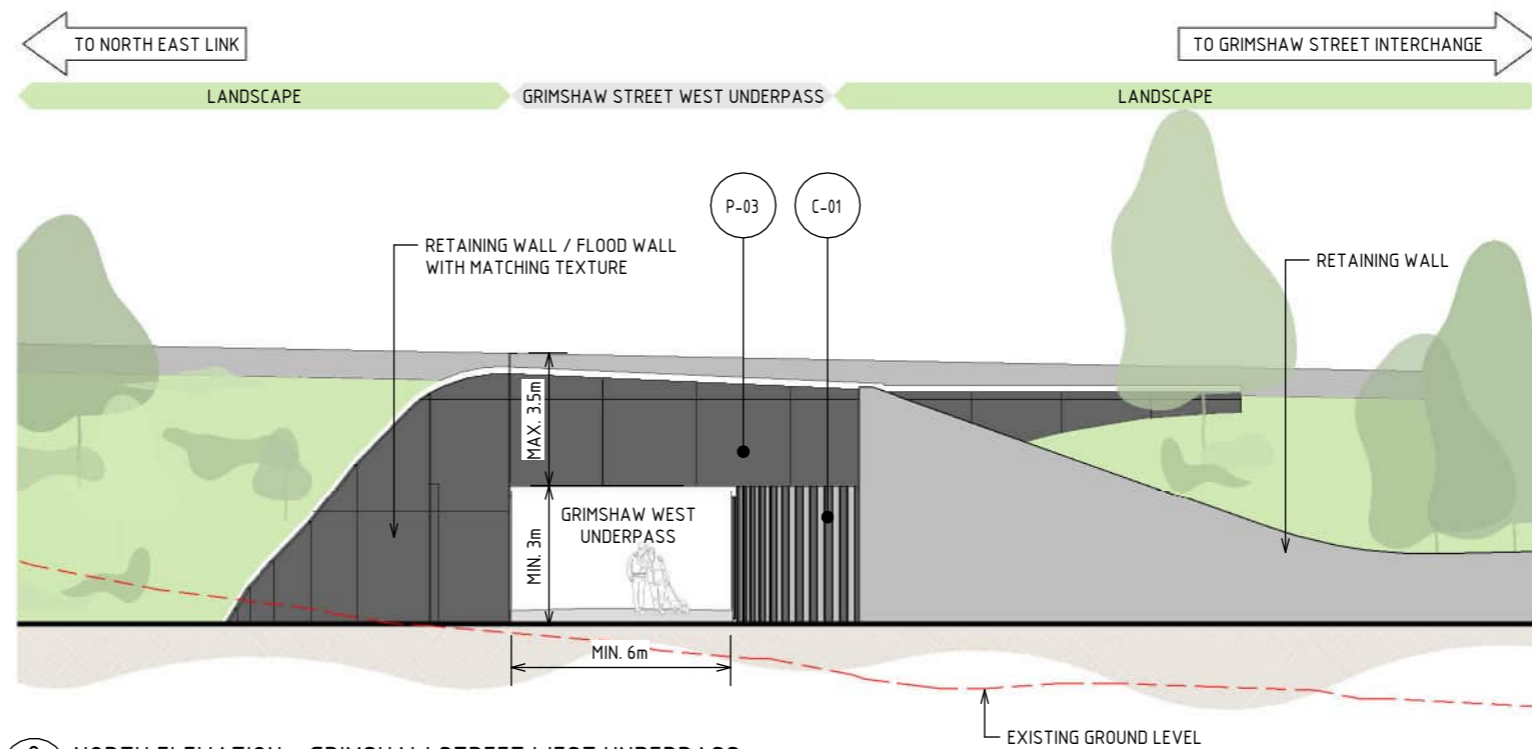
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<p>APPROVALS</p>			<p>DRAWN: AECOM</p>		<p>SIZE: A3</p>		<p>SCALE: 1:50</p>		<p>CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt</p>		<p>DOT No.:</p>																																						

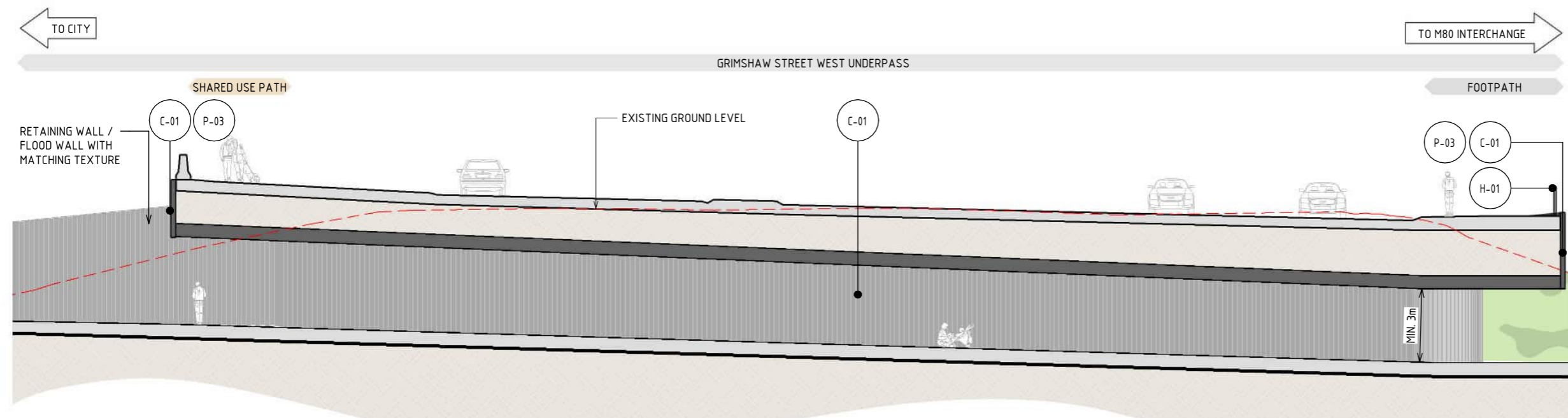




1 SOUTH ELEVATION - GRIMSHAW STREET WEST UNDERPASS  
SCALE : 1 : 200



2 NORTH ELEVATION - GRIMSHAW STREET WEST UNDERPASS  
SCALE : 1 : 200



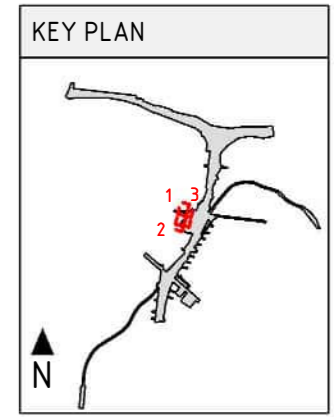
3 WEST ELEVATION - GRIMSHAW STREET WEST UNDERPASS  
SCALE : 1 : 200

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS



LEGEND

	EXISTING GROUND LEVEL
--	-----------------------

MATERIAL LEGEND

METAL FINISHES	
	WEATHERING STEEL
	WEATHERING STEEL
CONCRETE FINISHES	
	CONCRETE WITH INTEGRAL FINISH
	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.
HANDRAIL FINISHES	
	STAINLESS STEEL HANDRAIL
	CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.
PAINT FINISHES	
	PAINT OVER CONCRETE - TYPE 01
	PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

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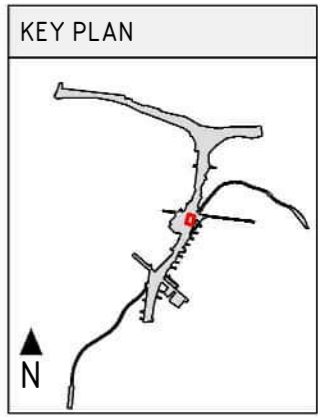
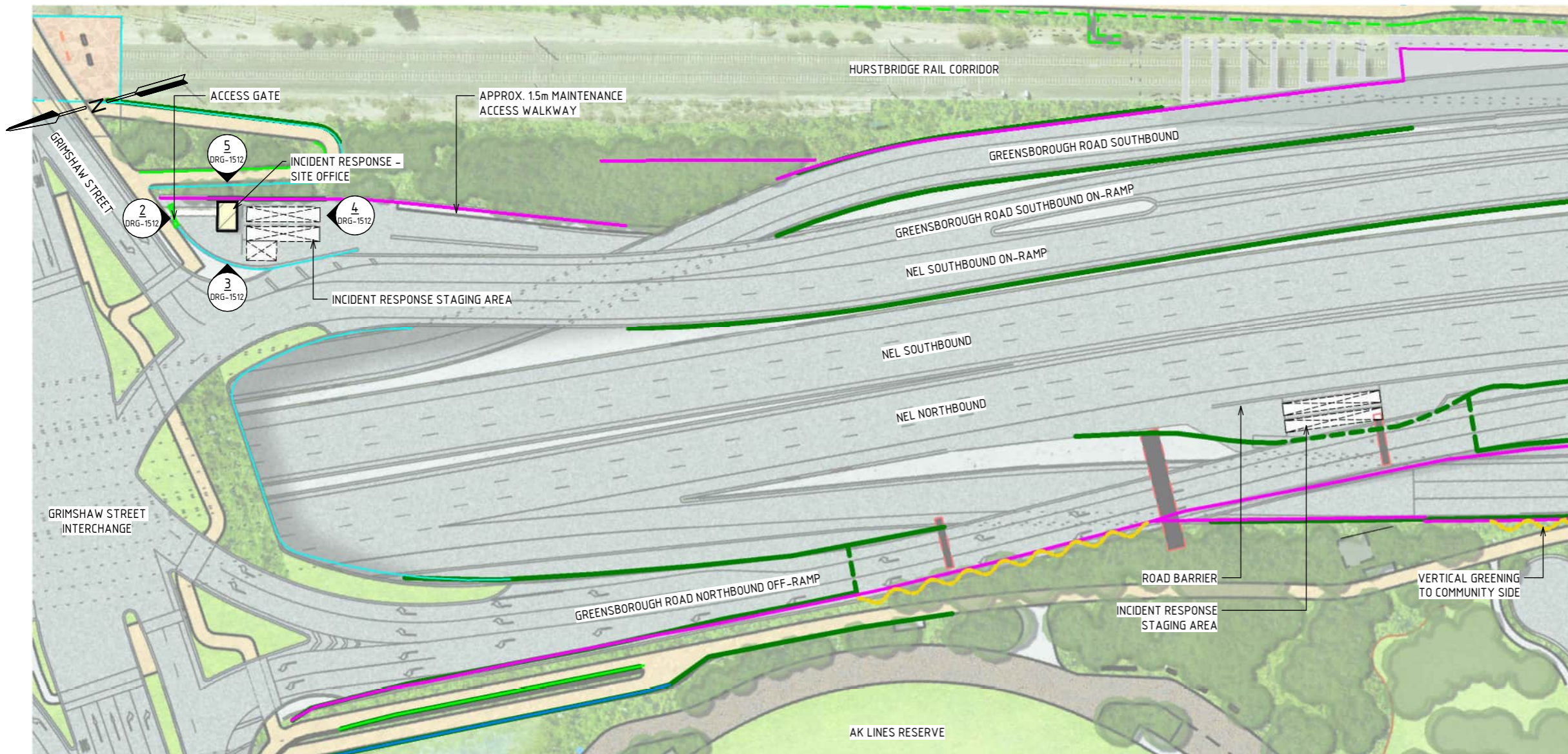
**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 3 GREENSBOROUGH ROAD  
GRIMSHAW STREET WEST UNDERPASS - ELEVATION

Security Classification: **OFFICIAL: Sensitive**  
PROJECT CONTRACT: NORTH  
NORTH EAST LINK PROGRAM  
NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1511  
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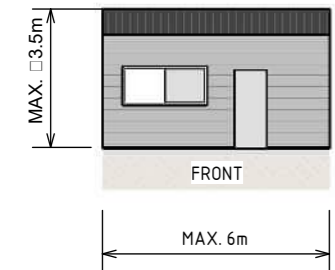




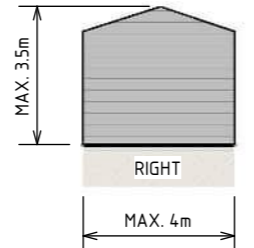
**LEGEND**

- PROJECT BOUNDARY
- SCREEN
- SCREEN UNDER STRUCTURE
- FENCE
- CIVIL RAIL FENCE
- NOISE WALL
- FLOOD WALL
- RETAINING WALL
- RETAINING WALL UNDER STRUCTURE
- VERTICAL GREENING TO COMMUNITY SIDE
- PIER UNDER STRUCTURE
- LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

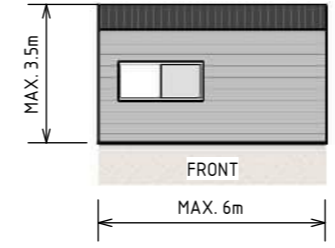
**1 GRIMSHAW STREET SOUTHBOUND AND GREENSBOROUGH ROAD NORTHBOUND - INCIDENT RESPONSE BAY**  
SCALE: 1:1000



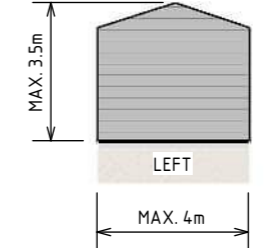
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SCALE: 1:200



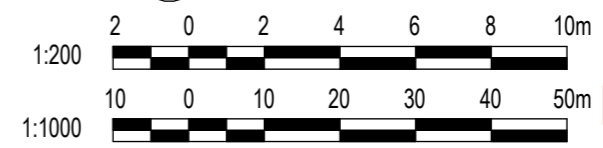
**3 EAST ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE: 1:200



**4 SOUTH ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE: 1:200



**5 WEST ELEVATION - INCIDENT RESPONSE SITE OFFICE**  
SCALE: 1:200



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

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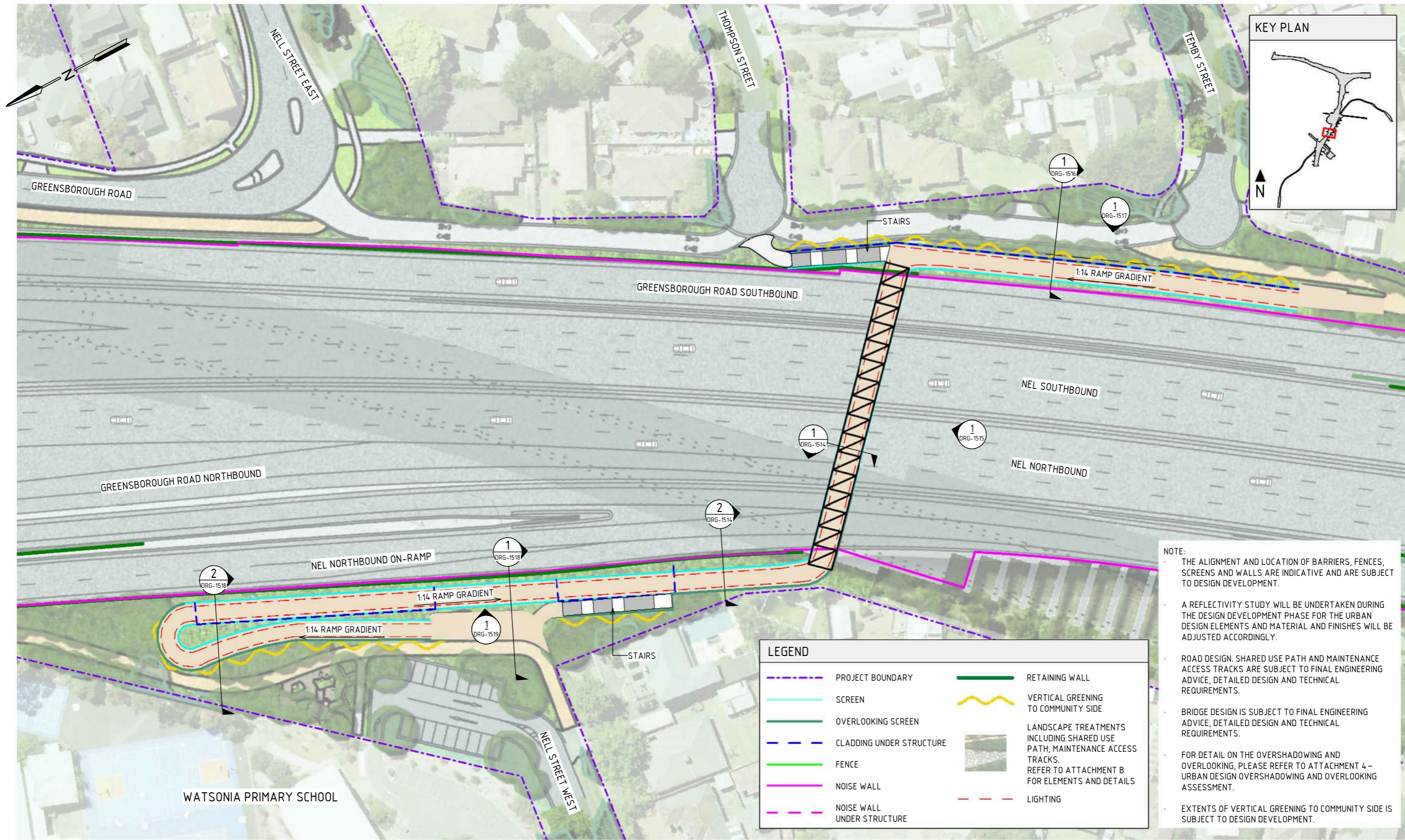
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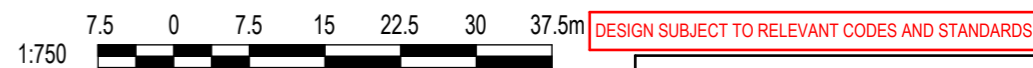


**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 3 GREENSBOROUGH ROAD  
GENERAL ARRANGEMENT PLAN - GREENSBOROUGH INCIDENT RESPONSE BAYS





GENERAL ARRANGEMENT PLAN - NELL STREET SHARED USE PATH BRIDGE  
SCALE 1: 750



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GENERAL ARRANGEMENT PLAN - NELL STREET SHARED USE PATH BRIDGE

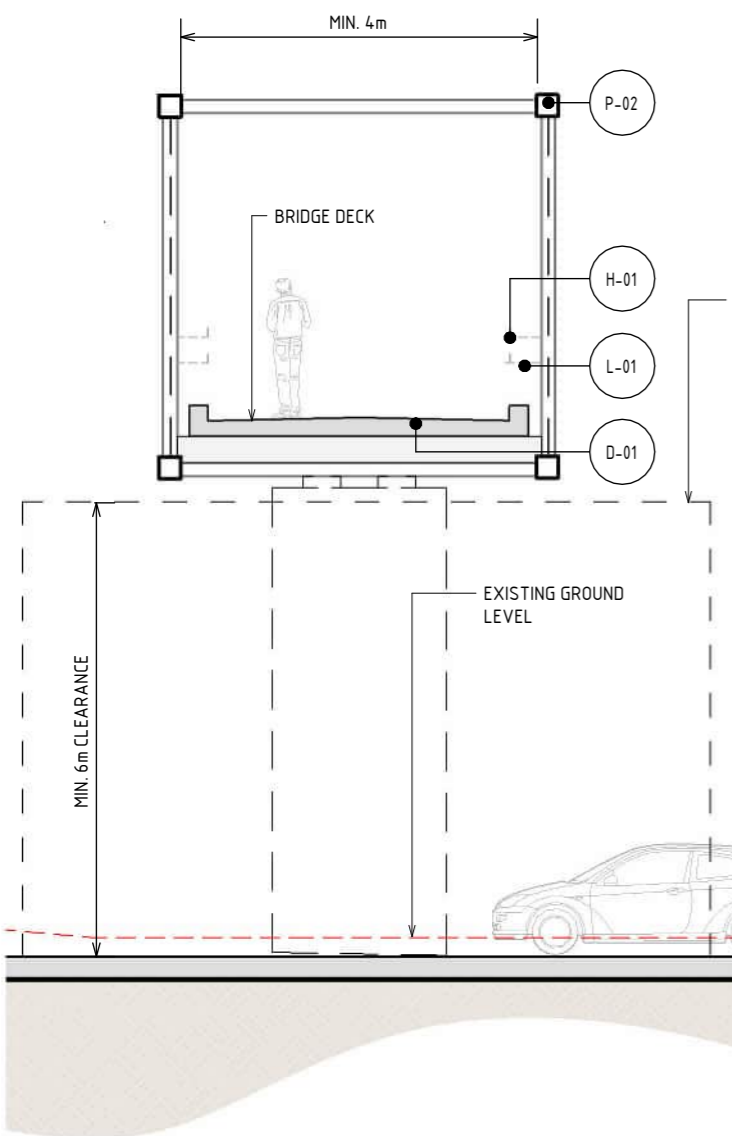
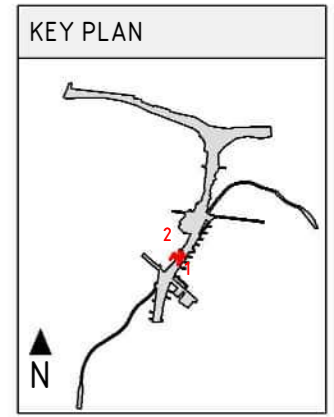
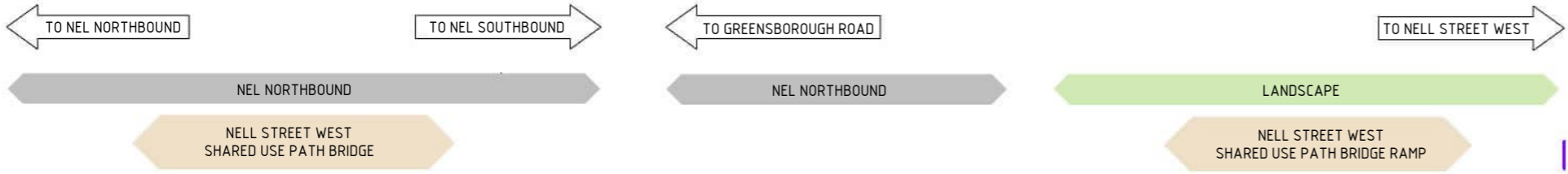
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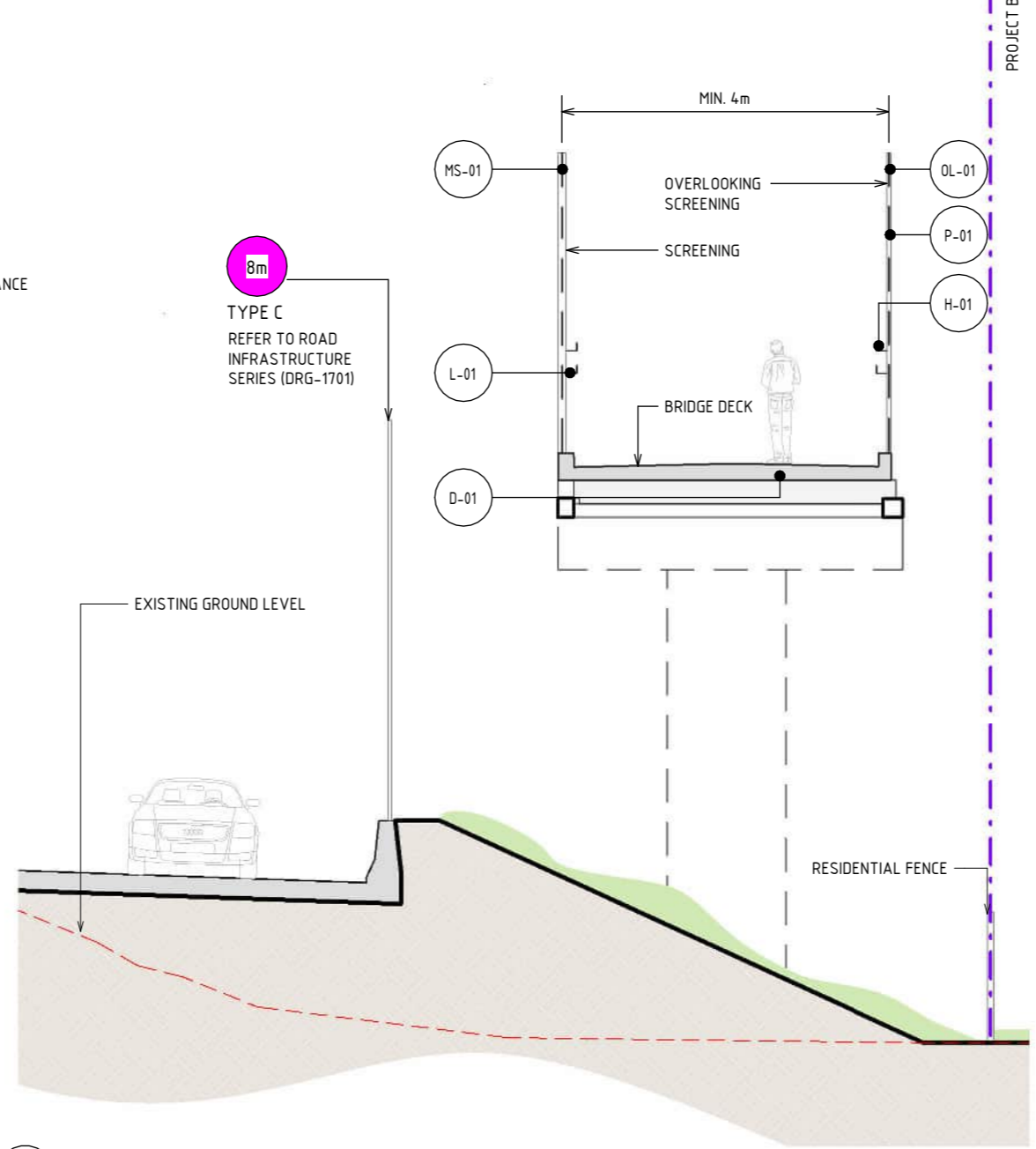
SUIT. CODE REVISION: 5

21/08/2024 3:21:14 PM Note: \* Indicates signed documents as drawings will not have wet signatures.





1 SECTION - NELL STREET SHARED USE PATH BRIDGE  
SCALE: 1:100



2 SECTION - NELL STREET WEST SHARED USE PATH BRIDGE RAMP  
SCALE: 1:100

**LEGEND**

- PROJECT BOUNDARY
- EXISTING GROUND LEVEL
- MAXIMUM NOISE WALL HEIGHT (IN METRES)

**MATERIAL LEGEND**

**ACRYLIC FINISHES**

- A-01: TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.
- OL-01: TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL. TRANSLUCENT TINTED ACRYLIC. INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES. MATERIAL AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DESIGN DEVELOPMENT PHASE IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES.

**PAINT FINISHES**

- P-01: PAINT OVER STEEL - TYPE 01. PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
- P-02: PAINT OVER STEEL - TYPE 02. PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

**DECKING FINISHES**

- D-01: BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.

**HANDRAIL FINISHES**

- H-01: STAINLESS STEEL HANDRAIL. CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.

**LIGHTING**

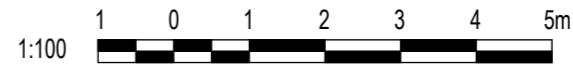
- L-01: LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

**MESH FINISHES**

- MS-01: WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

**NOTE:**

- THE ALIGNMENT AND LOCATION OF BARRIERS FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
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- TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
- EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
- MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- OVERLOOKING SCREEN TO COMPLY WITH AUSTRALIAN STANDARDS.

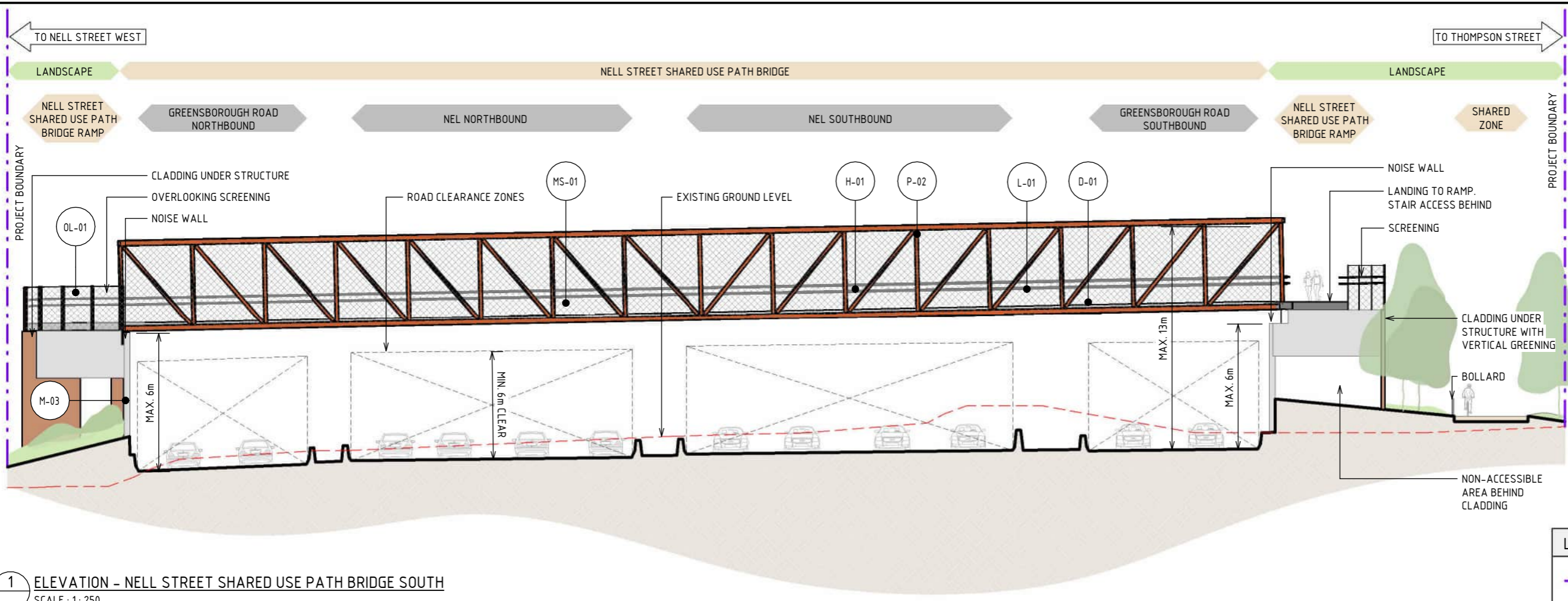


DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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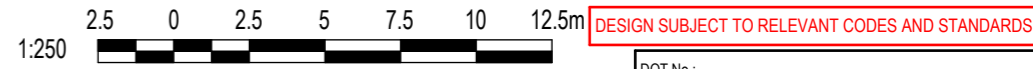
1 ELEVATION - NELL STREET SHARED USE PATH BRIDGE SOUTH  
SCALE : 1 : 250

LEGEND	
	PROJECT BOUNDARY
	EXISTING GROUND LEVEL

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  - MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
  - FOR DETAIL ON THE OVERSHADOWING AND OVERLOOKING, PLEASE REFER TO ATTACHMENT 4 - URBAN DESIGN OVERSHADOWING AND OVERLOOKING ASSESSMENT.

### MATERIAL LEGEND

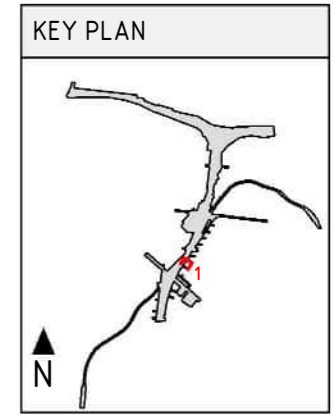
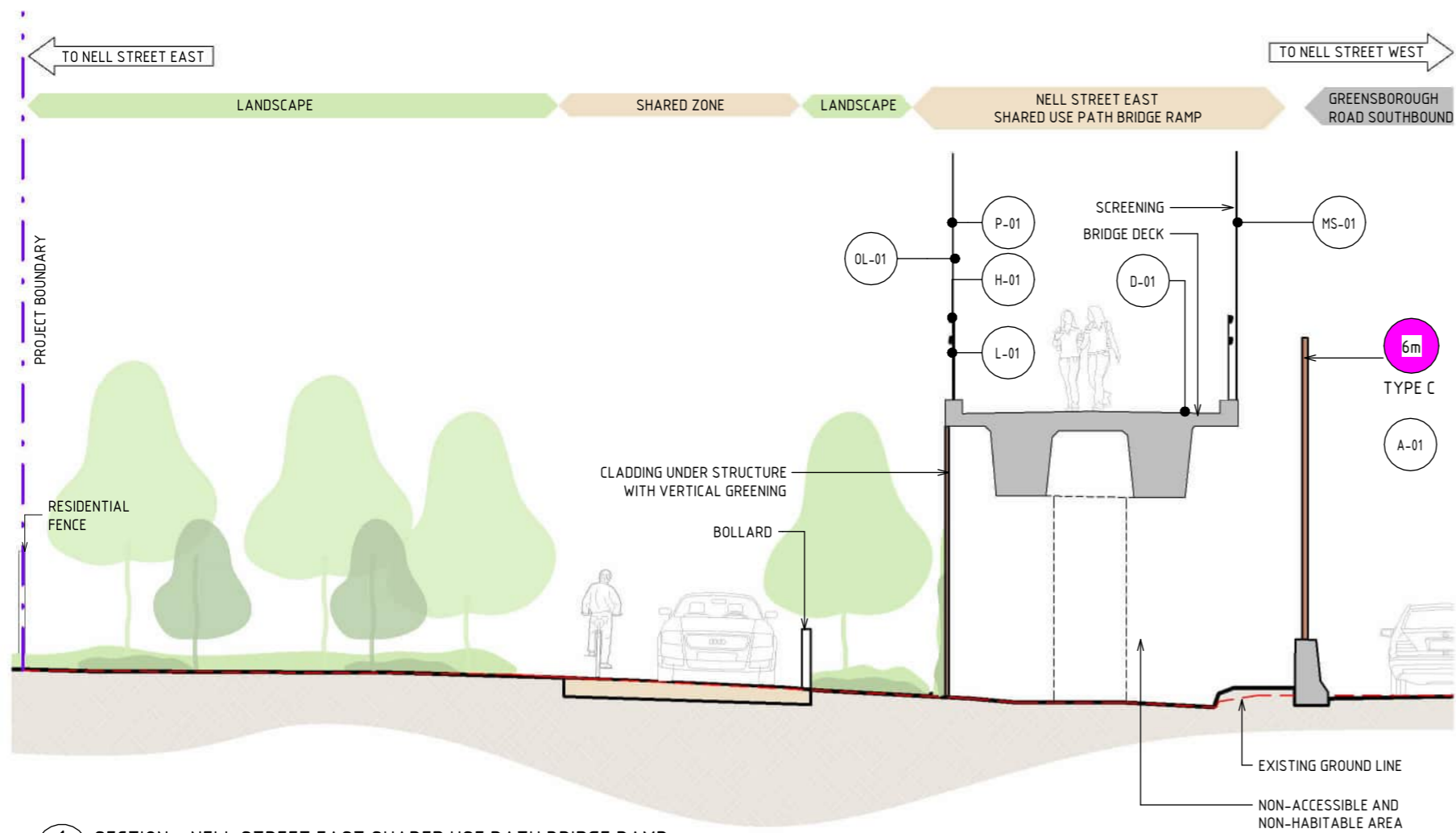
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**LEGEND**

- PROJECT BOUNDARY
- EXISTING GROUND LEVEL
- MAXIMUM NOISE WALL HEIGHT (IN METRES)

**MATERIAL LEGEND**

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- A-01** TRANSPARENT TINTED ACRYLIC PANEL  
TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYAMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.
- P-02** PAINT OVER STEEL - TYPE 02  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
- D-01** BRIDGE DECK  
BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.
- H-01** STAINLESS STEEL HANDRAIL  
CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.
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LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.
- MS-01** WIRE MESH PROTECTION SCREEN  
WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

**PAINT FINISHES**

- P-01** PAINT OVER STEEL - TYPE 01  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

**DECKING FINISHES**

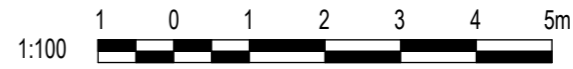
**HANDRAIL FINISHES**

**LIGHTING**

**1 SECTION - NELL STREET EAST SHARED USE PATH BRIDGE RAMP**  
SCALE: 1:100

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DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

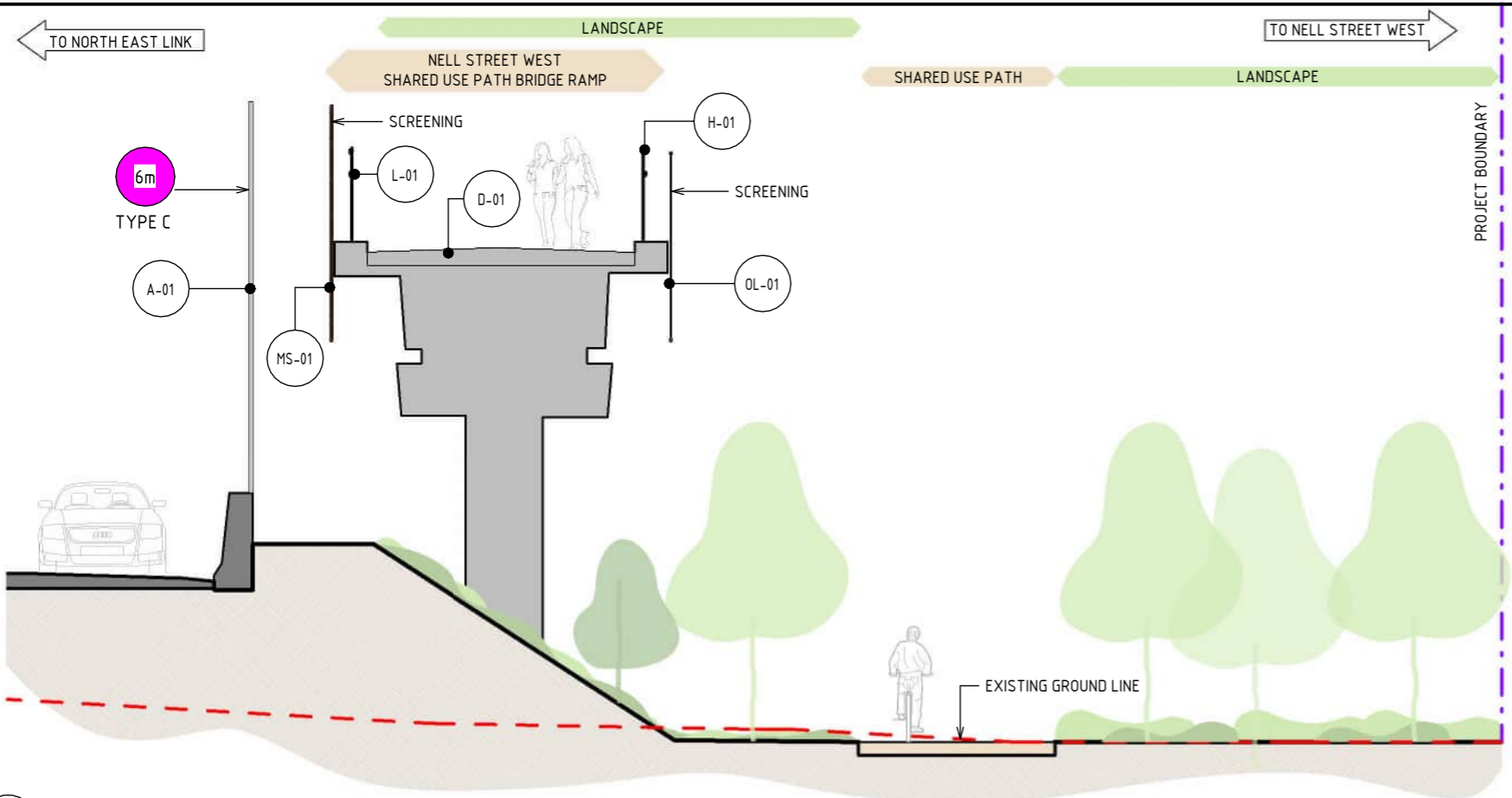
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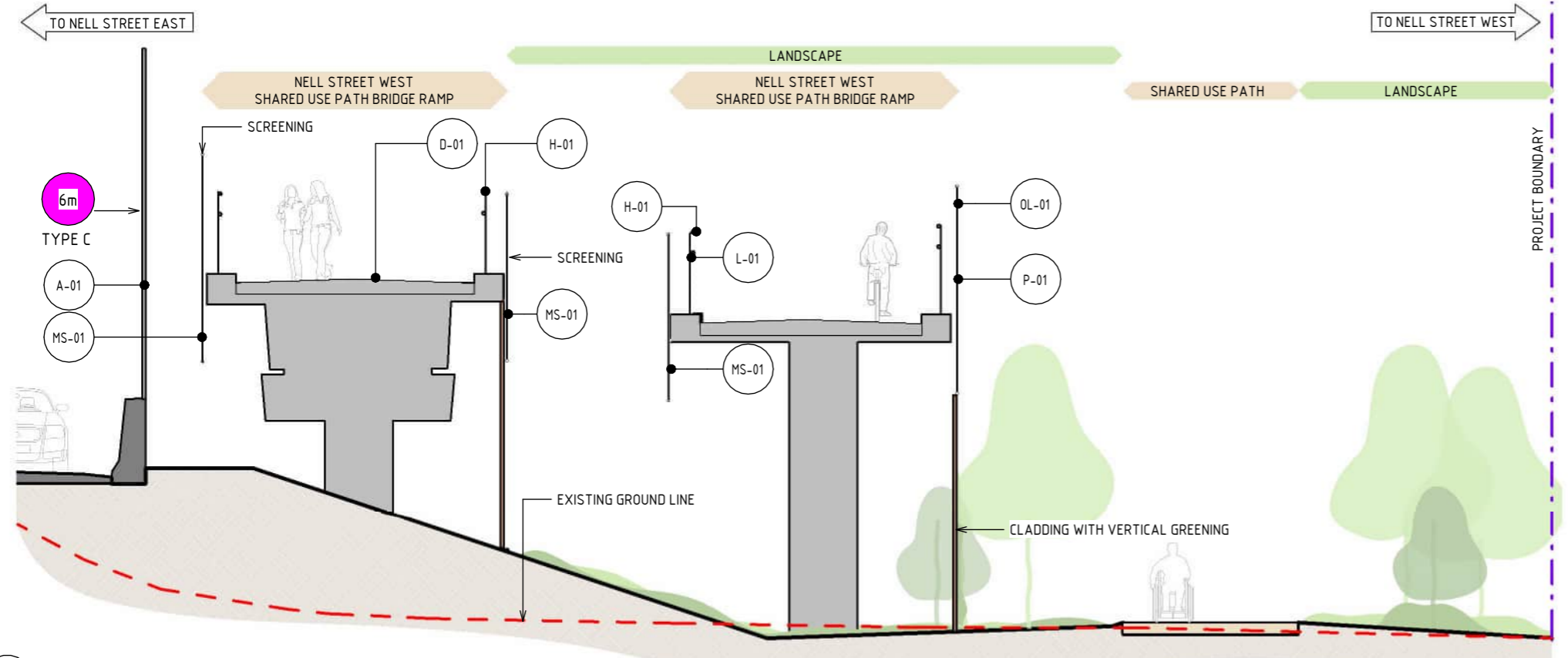




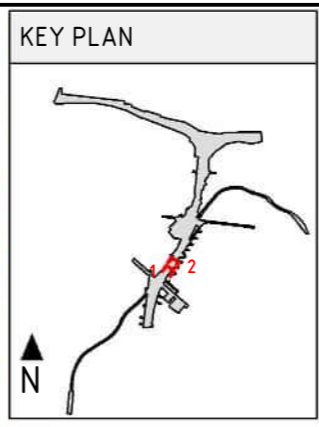




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SCALE: 1:100



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- BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
- EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
- MAXIMUM HEIGHT OF NOISE AND RETAINING WALLS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

1 A SHARED ZONE WILL BE PROVIDED PER THE AUSTRALIANS GUIDE TO TRAFFIC MANAGEMENT AND PEDESTRIAN AND CYCLING MOVEMENT IN SPATIALLY CONSTRAINED, LOW-TRAFFIC AREAS.

4 5m

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REV.	DESCRIPTION	DATE	APPROVALS
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3	UDLP REVISION 1	29/01/24	
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1	PUBLIC EXHIBITION	25/09/23	

NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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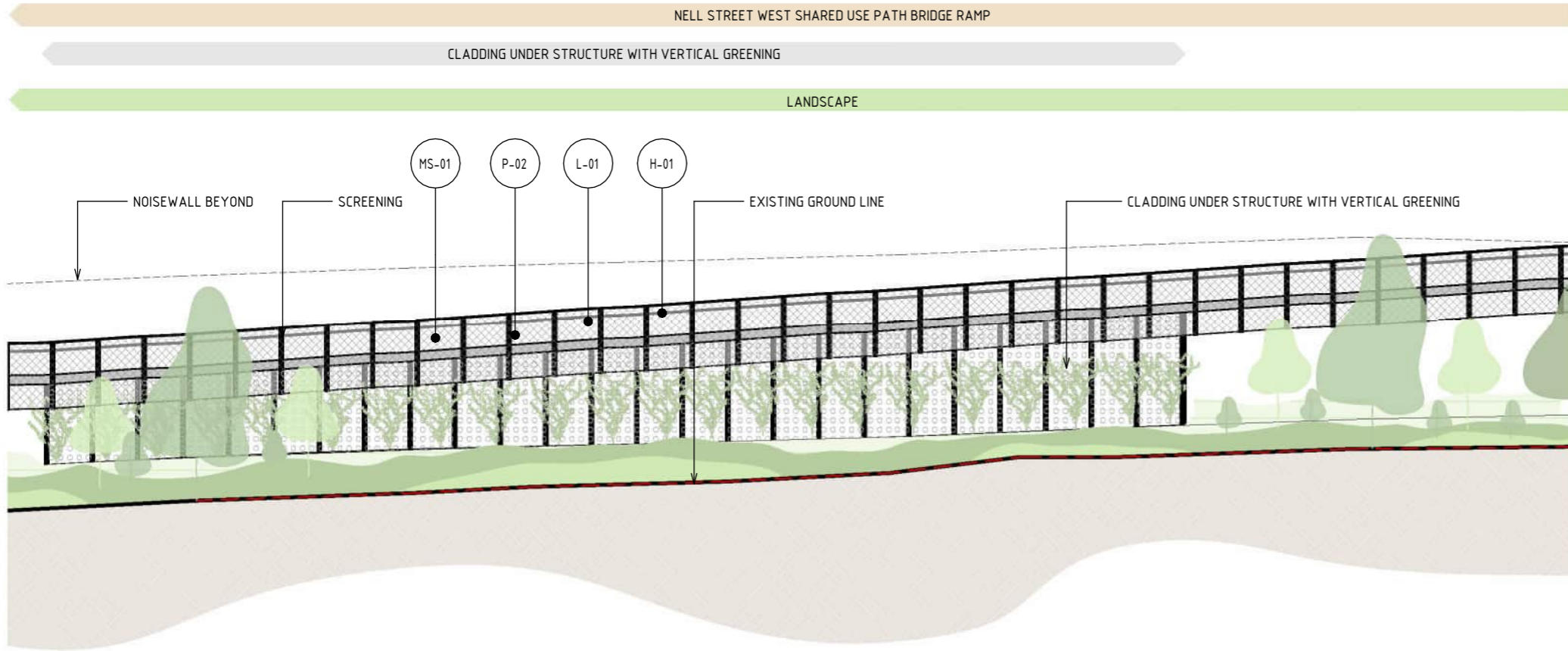
**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 3 GREENSBOROUGH ROAD  
NELL STREET WEST SHARED USE PATH UNDERCROFT - SECTION

PROJECT CONTRACT: NORTH  
NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1518  
SUIT. CODE: 5

Security Classification: OFFICIAL: Sensitive  
CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt



← TO AK LINES RESERVE

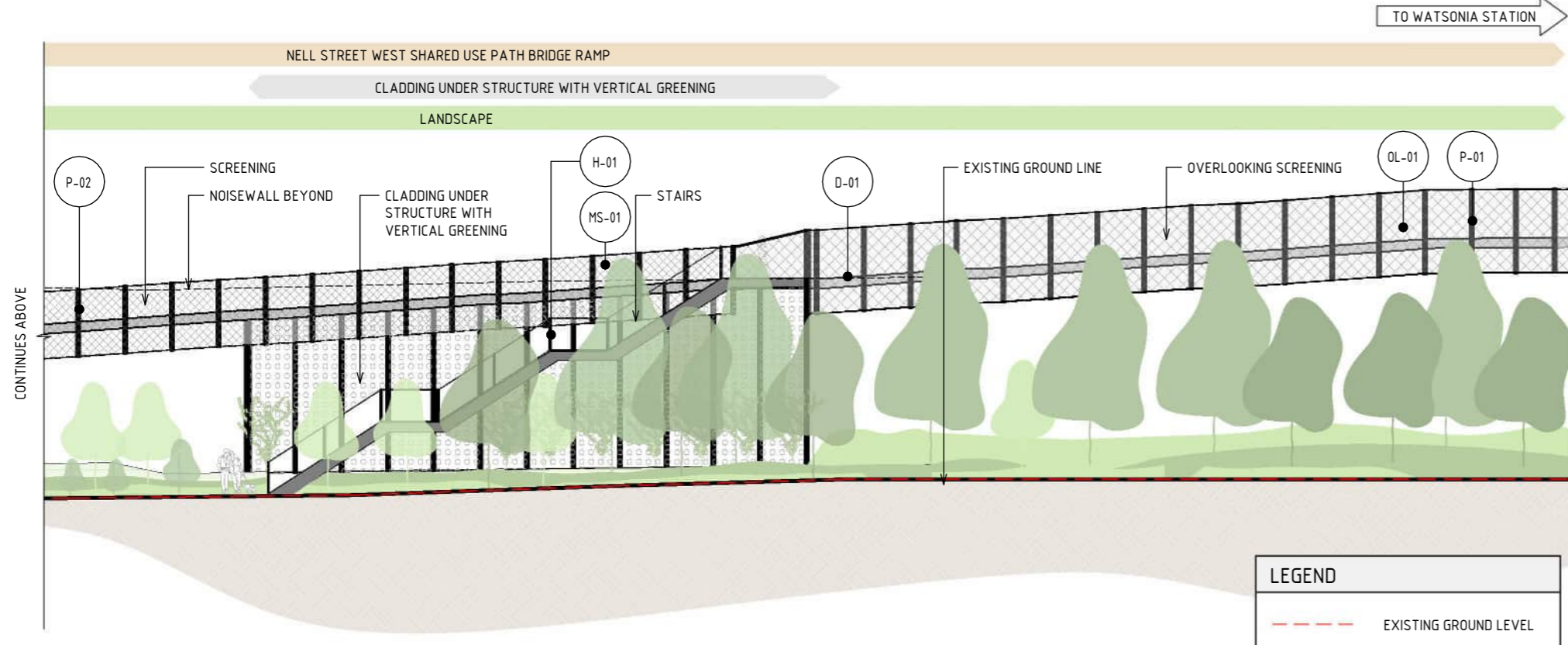
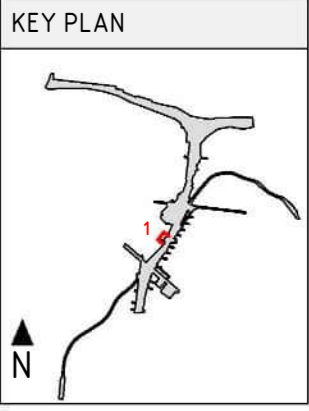


### MATERIAL LEGEND

**ACRYLIC FINISHES**

OL-01 TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL

TRANSLUCENT TINTED ACRYLIC, INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES. MATERIAL AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DESIGN DEVELOPMENT PHASE IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES.



- CONTINUES BELOW
- NOTE:
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, PIERS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
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  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
  - FOR DETAIL ON THE OVERSHADOWING AND OVERLOOKING, PLEASE REFER TO ATTACHMENT 4 - URBAN DESIGN OVERSHADOWING AND OVERLOOKING ASSESSMENT.
  - EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

### MATERIAL LEGEND

**DECKING FINISHES**

D-01 BRIDGE DECK

BRIDGE DECK WATER PROOFING, MAINTENANCE COATING AND ANTI-SLIP TEXTURING.

**PAINT FINISHES**

P-01 PAINT OVER STEEL - TYPE 01

PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

P-02 PAINT OVER STEEL - TYPE 02

PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

**LIGHTING**

L-01 LIGHTING

LIGHTING WITH TUNABLE RGBW COLOURS. FIXED COLOUR TEMPERATURE.

**HANDRAIL FINISHES**

H-01 STAINLESS STEEL HANDRAIL

CONTINUOUS HANDRAIL, 316 STAINLESS STEEL FINISH. 50mm DIAMETER.

**MESH FINISHES**

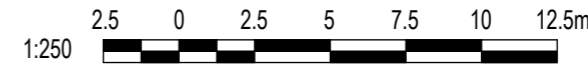
MS-01 WIRE MESH PROTECTION SCREEN

WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

### LEGEND

--- EXISTING GROUND LEVEL

1 ELEVATION - NELL STREET WEST SHARED USE PATH BRIDGE  
SCALE : 1 : 250



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NAME	DATE	ROLE
E. CASTILLO	21/08/24	DRAFTING CHECKED BY
M. SPYROPOULOS	21/08/24	DESIGNED BY
M. FERNANDO	21/08/24	ENGINEERING CHECKED BY
L. ANDERSON	21/08/24	VERIFIED BY
Z. CVITKOVIC	21/08/24	APPROVED BY

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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION

ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 3 GREENSBOROUGH ROAD  
NELL STREET WEST SHARED USE PATH UNDERCROFT - ELEVATION

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1519

SUIT. CODE REVISION: 5

Note: \* Indicates signed documents as drawings will not have wet signatures.





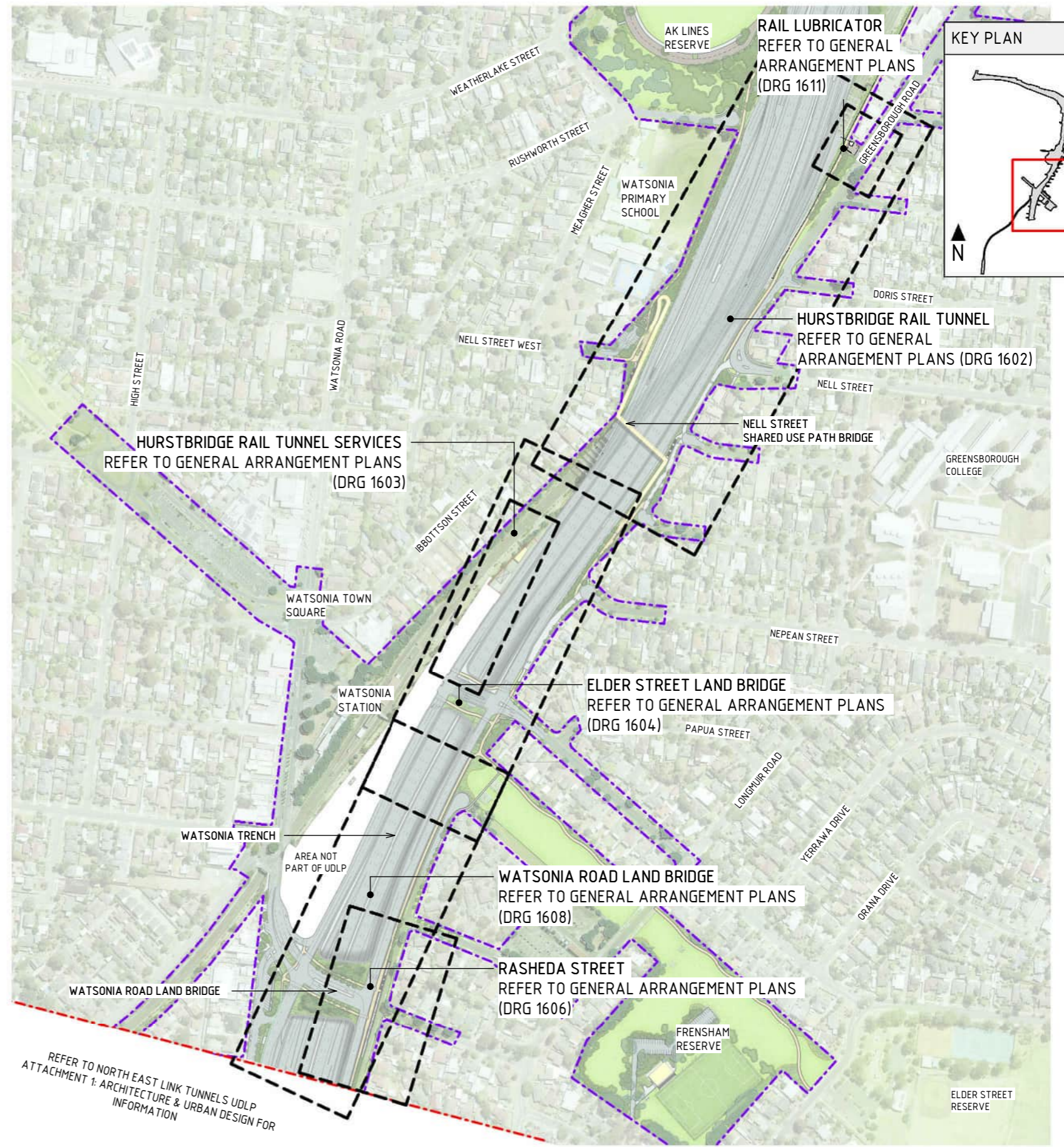
# ZONE 4 WATSONIA PRECINCT

## DRAWING INDEX

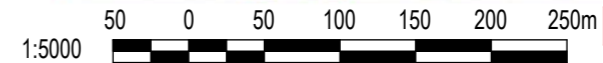
DRAWING NAME	SHEET NUMBER
LOCALITY PLAN	NEL-NTH-NNA-3900-EPU-DRG-1601
GENERAL ARRANGEMENT PLANS - HURSTBRIDGE RAIL TUNNEL AND SECTION	NEL-NTH-NNA-3900-EPU-DRG-1602
GENERAL ARRANGEMENT PLANS - HURSTBRIDGE RAIL TUNNEL SERVICES	NEL-NTH-NNA-3900-EPU-DRG-1603
GENERAL ARRANGEMENT PLANS - ELDER STREET LAND BRIDGE PLAN	NEL-NTH-NNA-3900-EPU-DRG-1604
SECTIONS AND ELEVATIONS - ELDER STREET LAND BRIDGE	NEL-NTH-NNA-3900-EPU-DRG-1605
GENERAL ARRANGEMENT PLANS - RASHEDA STREET PLAN	NEL-NTH-NNA-3900-EPU-DRG-1606
ELEVATIONS - RASHEDA STREET	NEL-NTH-NNA-3900-EPU-DRG-1607
GENERAL ARRANGEMENT PLANS - WATSONIA ROAD LAND BRIDGE PLAN	NEL-NTH-NNA-3900-EPU-DRG-1608
ELEVATIONS - WATSONIA ROAD LAND BRIDGE	NEL-NTH-NNA-3900-EPU-DRG-1609
ELEVATIONS - WATSONIA ROAD LAND BRIDGE	NEL-NTH-NNA-3900-EPU-DRG-1610
GENERAL ARRANGEMENT PLANS - RAIL LUBRICATOR	NEL-NTH-NNA-3900-EPU-DRG-1611

LEGEND	
	PROJECT BOUNDARY
	EXTENT OF NORTH EAST LINK RING ROAD COMPLETION UDLP
	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

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LOCALITY PLAN  
SCALE 1:5000

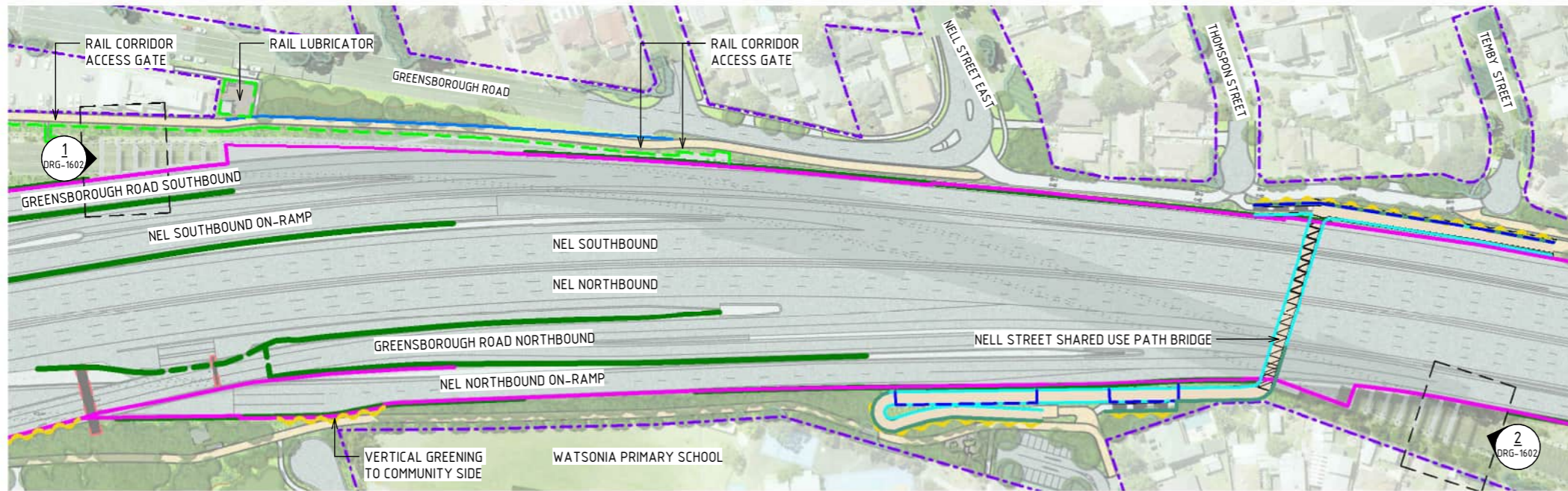


DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

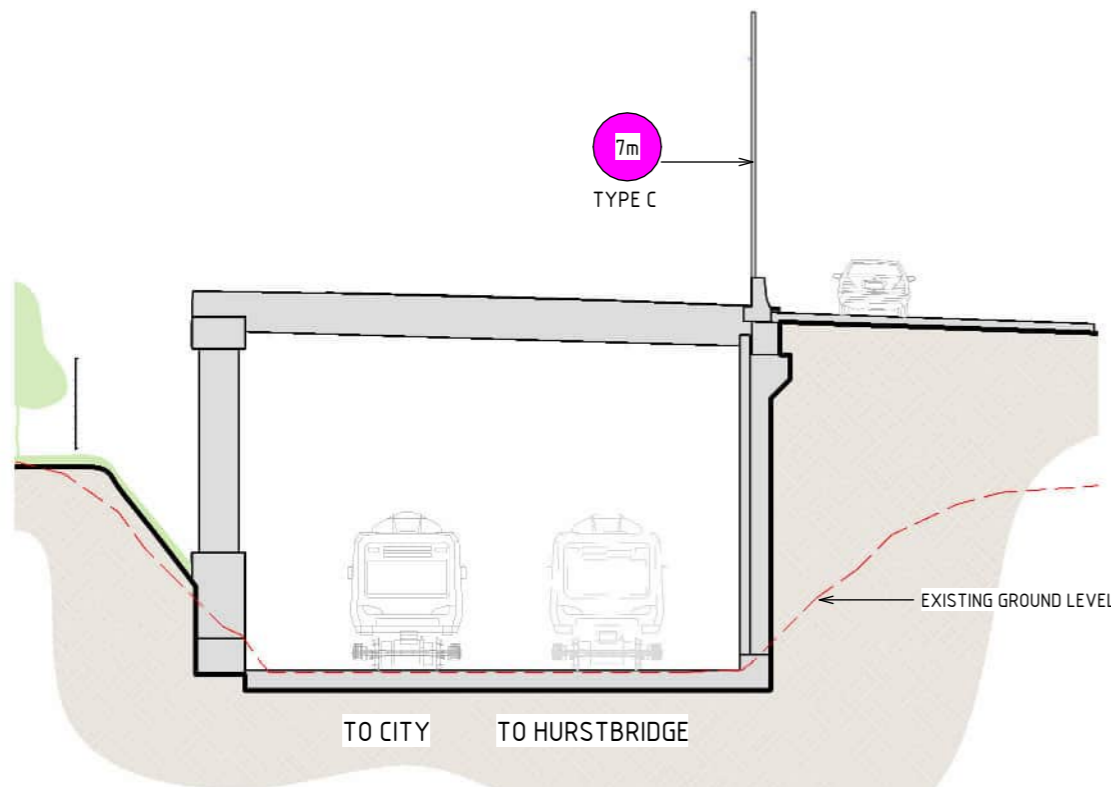
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© North East Link Program		DOT No.:																																					
<table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVALS</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>UDLP FINAL SUBMISSION</td> <td>21/08/24</td> <td></td> </tr> <tr> <td>4</td> <td>UDLP FINAL SUBMISSION IEA</td> <td>02/08/24</td> <td></td> </tr> <tr> <td>3</td> <td>UDLP REVISION 1</td> <td>29/01/24</td> <td></td> </tr> <tr> <td>2</td> <td>UDLP IEA REVIEW</td> <td>21/12/23</td> <td></td> </tr> <tr> <td>1</td> <td>PUBLIC EXHIBITION</td> <td>25/09/23</td> <td></td> </tr> </tbody> </table>		REV.	DESCRIPTION	DATE	APPROVALS	5	UDLP FINAL SUBMISSION	21/08/24		4	UDLP FINAL SUBMISSION IEA	02/08/24		3	UDLP REVISION 1	29/01/24		2	UDLP IEA REVIEW	21/12/23		1	PUBLIC EXHIBITION	25/09/23		<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAFTING CHECKED BY: E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>DESIGNED BY: M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>ENGINEERING CHECKED BY: M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>VERIFIED BY: L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>APPROVED BY: Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </tbody> </table>		NAME	DATE	DRAFTING CHECKED BY: E. CASTILLO	21/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24	VERIFIED BY: L. ANDERSON	21/08/24	APPROVED BY: Z. CVITKOVIC	21/08/24
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<p>CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt</p>		<p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1601</p>																																					
<p>DRAWN: AECOM</p>		<p>SUIT. CODE: 5</p>																																					

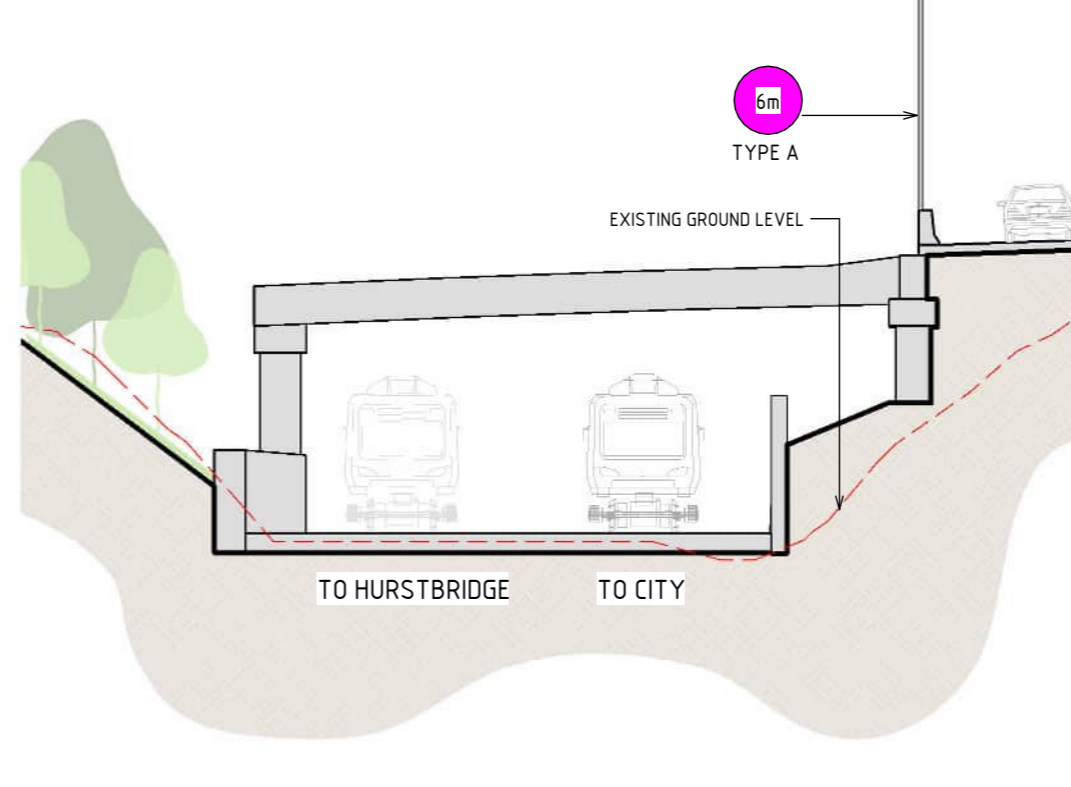




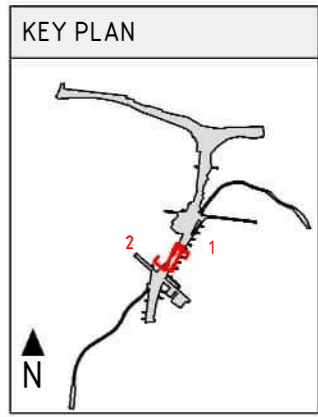
**GENERAL ARRANGEMENT - HURSTBRIDGE RAIL TUNNEL**  
SCALE 1:2000



**1 SECTION - HURSTBRIDGE RAIL TUNNEL NORTH**  
SCALE: 1:200



**2 SECTION - HURSTBRIDGE RAIL TUNNEL SOUTH**  
SCALE: 1:200



**LEGEND**

- PROJECT BOUNDARY
- EXISTING GROUND LEVEL
- SCREEN
- CLADDING UNDER STRUCTURE
- CIVIL RAIL FENCE
- NOISE WALL
- NOISE WALL UNDER STRUCTURE
- Xm MAXIMUM NOISE WALL HEIGHT (IN METERS)
- FLOOD WALL
- RETAINING WALL
- RETAINING WALL UNDER STRUCTURE
- VERTICAL GREENING TO COMMUNITY SIDE
- PIER UNDER STRUCTURE
- LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS
- WATSONIA STATION TELECOMMUNICATION TOWER UDLP (APPROVED 2021)

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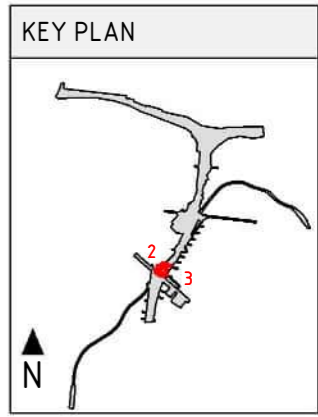
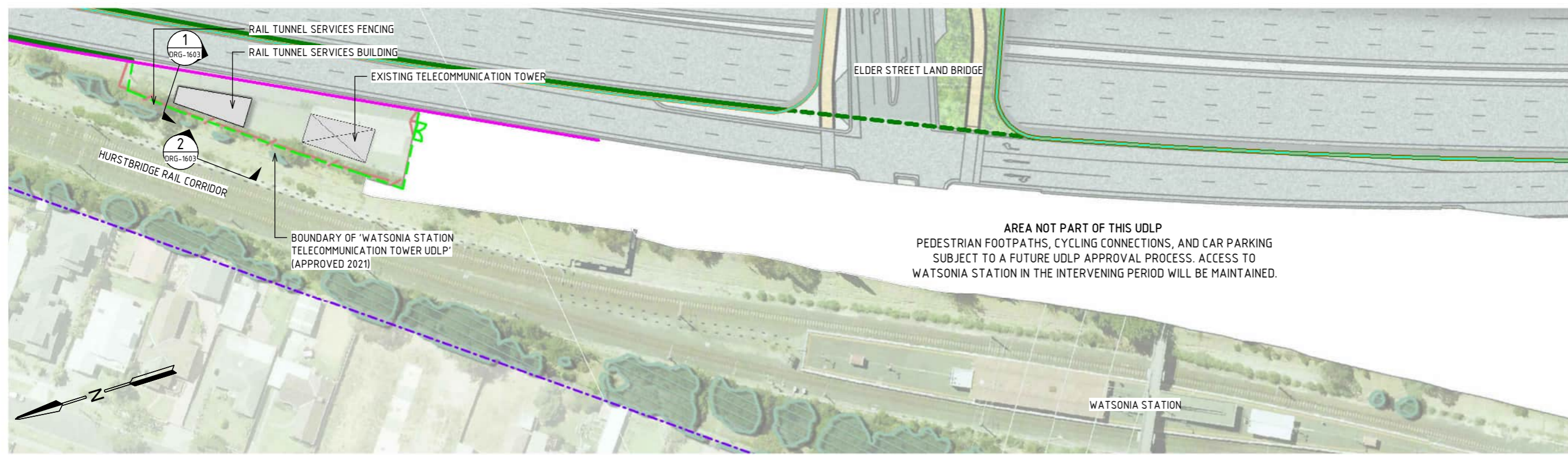
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GREENSBOROUGH ROAD RAIL TUNNEL PLAN AND ELEVATION

PROJECT CONTRACT: NORTH

NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1602

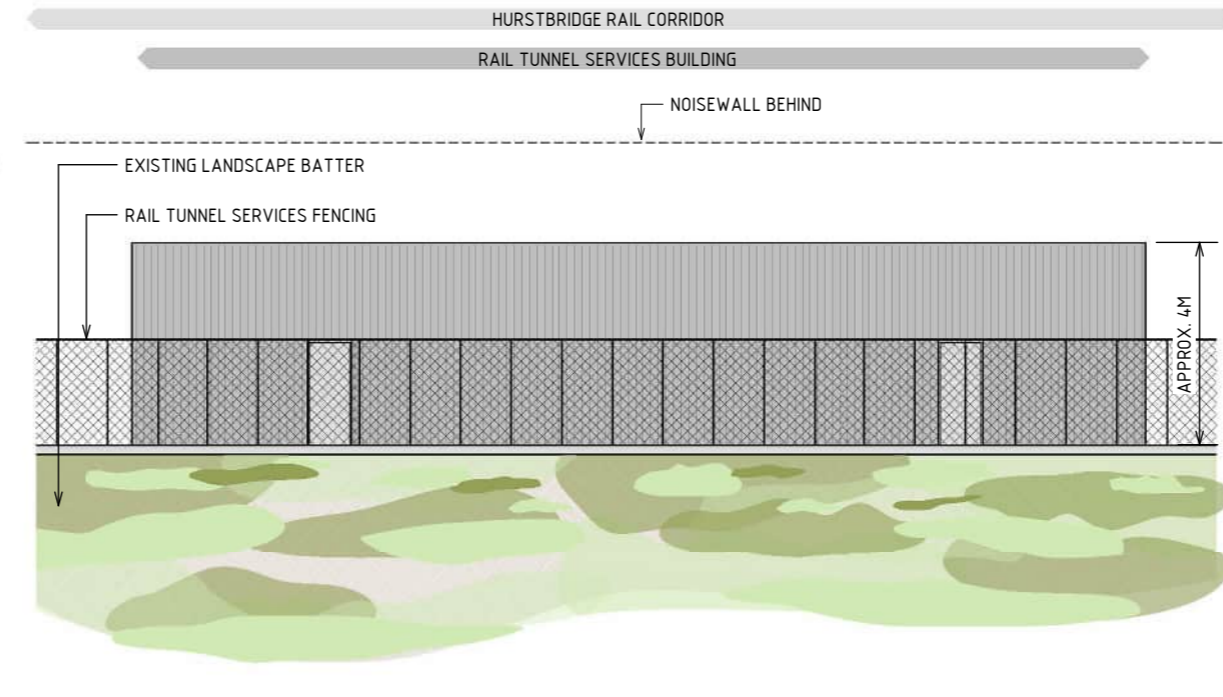
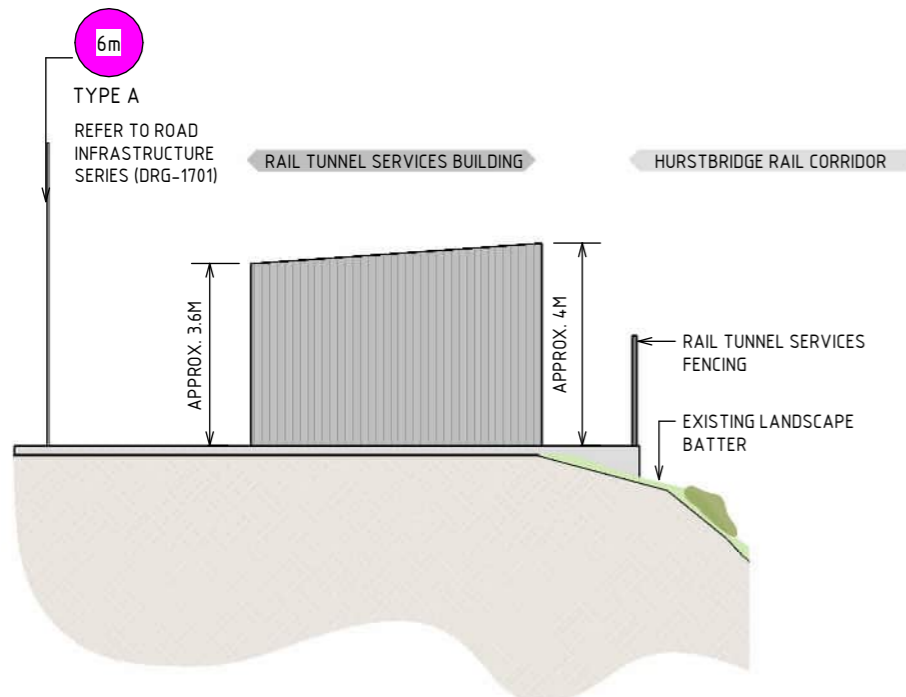
SUIT. CODE REVISION: 5





AREA NOT PART OF THIS UDLP  
PEDESTRIAN FOOTPATHS, CYCLING CONNECTIONS, AND CAR PARKING  
SUBJECT TO A FUTURE UDLP APPROVAL PROCESS. ACCESS TO  
WATSONIA STATION IN THE INTERVENING PERIOD WILL BE MAINTAINED.

**GENERAL ARRANGEMENT - HURSTBRIDGE RAIL TUNNEL SERVICES**  
SCALE 1: 1000



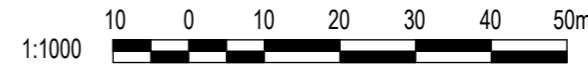
LEGEND	
	PROJECT BOUNDARY
	SCREEN
	CIVIL RAIL FENCE
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
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	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
	MAXIMUM NOISE WALL HEIGHT (IN METRES)

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**1 SECTION - RAIL TUNNEL SERVICES BUILDING**  
SCALE : 1: 150

**2 ELEVATION - RAIL TUNNEL SERVICES BUILDING**  
SCALE : 1: 150

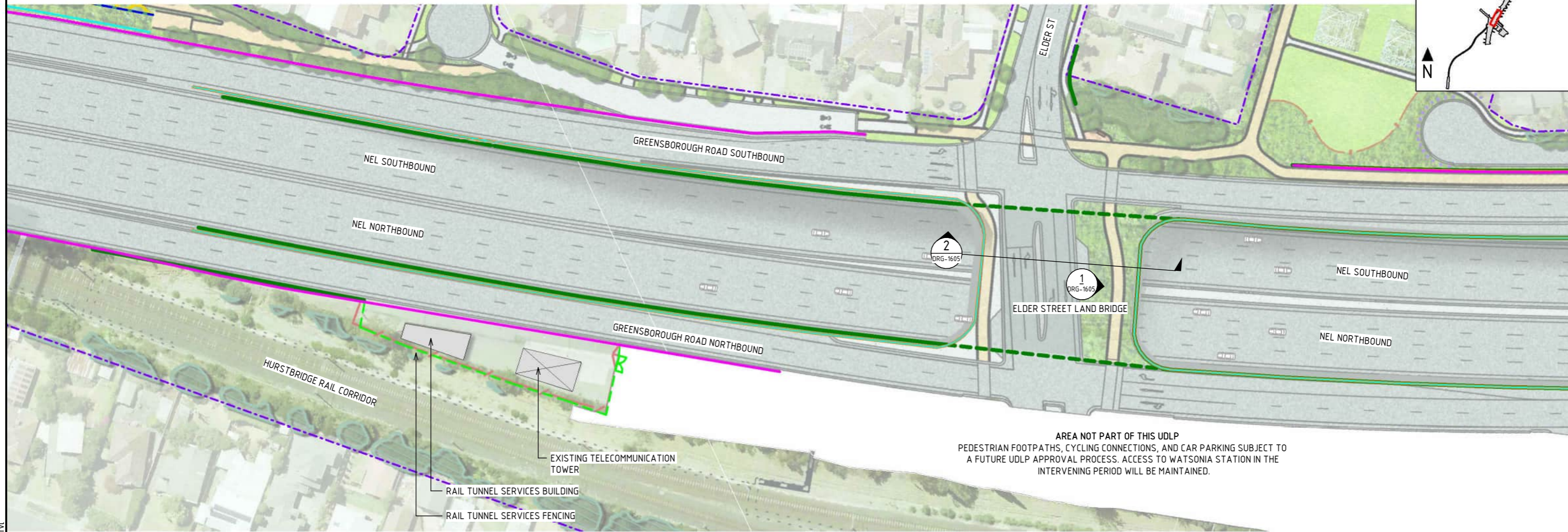
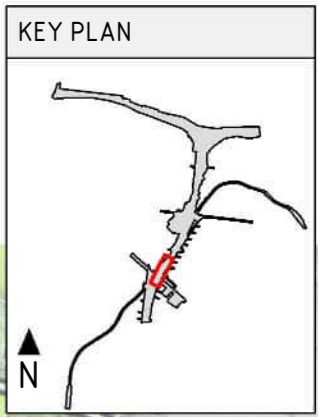


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© North East Link Program		<table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAFTING CHECKED BY: E. CASTILLO</td> <td>21/08/24</td> </tr> <tr> <td>DESIGNED BY: M. SPYROPOULOS</td> <td>21/08/24</td> </tr> <tr> <td>ENGINEERING CHECKED BY: M. FERNANDO</td> <td>21/08/24</td> </tr> <tr> <td>VERIFIED BY: L. ANDERSON</td> <td>21/08/24</td> </tr> <tr> <td>APPROVED BY: Z. CVITKOVIC</td> <td>21/08/24</td> </tr> </tbody> </table>		NAME	DATE	DRAFTING CHECKED BY: E. CASTILLO	21/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24	VERIFIED BY: L. ANDERSON	21/08/24	APPROVED BY: Z. CVITKOVIC	21/08/24	<p><b>NELP DISCLAIMER</b></p> <p>Conditions of Use: This Document has been developed for the purposes of the North East Link Project. Recipients of this document: - are subject to obligations of confidentiality in relation to this document; and - may not rely upon the information contained in this document, and must rely absolutely on their own opinion and professional advice.</p>				<p><b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ZONE 4 WATSONIA PRECINCT GENERAL ARRANGEMENT PLAN - HURSTBRIDGE RAIL TUNNEL SERVICES</p>		<p>Security Classification: <b>OFFICIAL: Sensitive</b></p>		<p>PROJECT CONTRACT: NORTH</p>		<p>NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1603</p>		<p>SUIT. CODE REVISION 5</p>					
NAME	DATE																																
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AREA NOT PART OF THIS UDLP  
 PEDESTRIAN FOOTPATHS, CYCLING CONNECTIONS, AND CAR PARKING SUBJECT TO  
 A FUTURE UDLP APPROVAL PROCESS. ACCESS TO WATSONIA STATION IN THE  
 INTERVENING PERIOD WILL BE MAINTAINED.

GENERAL ARRANGEMENT - ELDER STREET LAND BRIDGE  
 SCALE 1: 1000

- NOTE:
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
  - ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - RAIL SERVICES/LUBRICATOR ARE SUBJECT TO MTM ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

LEGEND	
	PROJECT BOUNDARY
	RETAINING WALL UNDER STRUCTURE
	SCREEN
	VERTICAL GREENING TO COMMUNITY SIDE
	FENCE
	CIVIL RAIL FENCE
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	RETAINING WALL
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS
	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)



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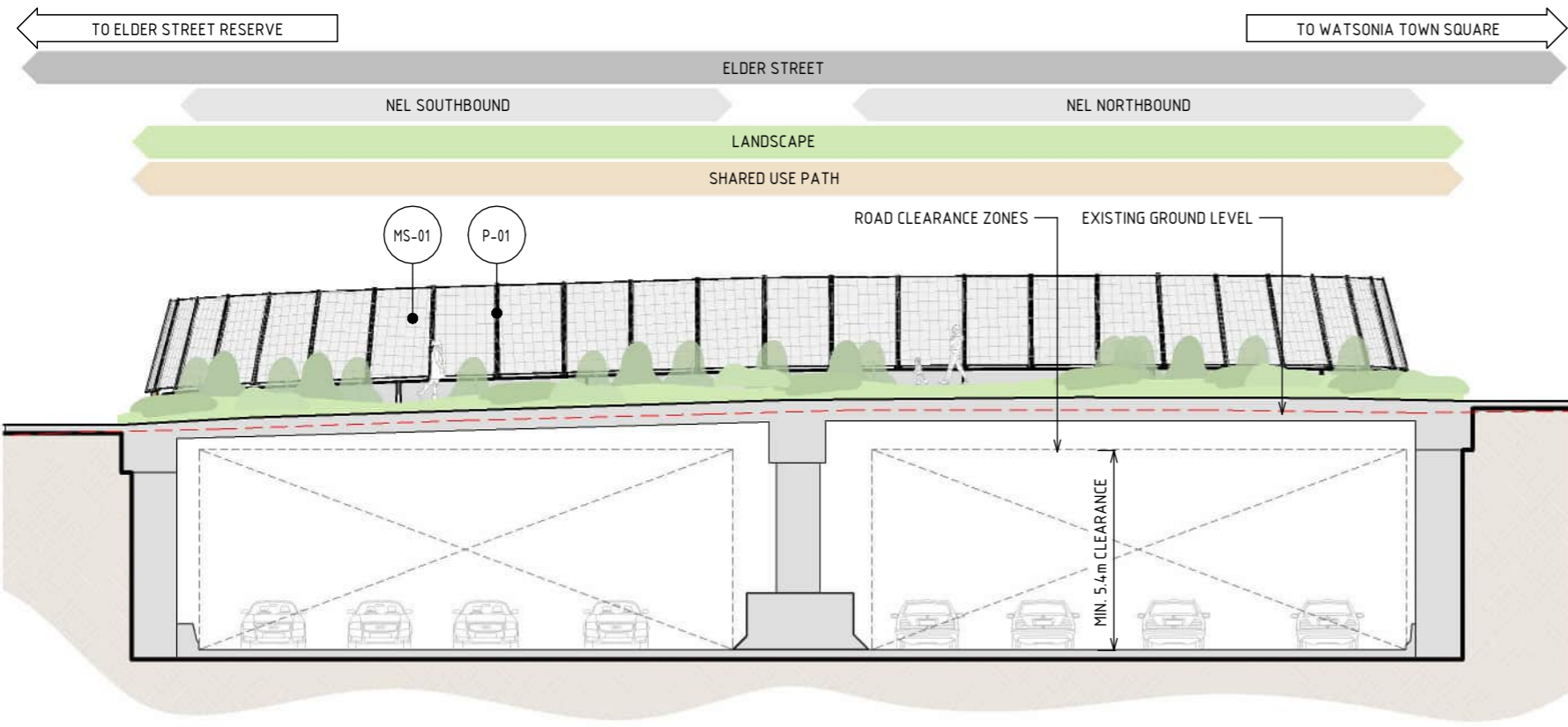
APPROVALS

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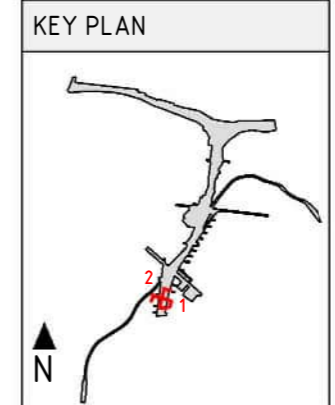
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NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ZONE 4 WATSONIA PRECINCT	
GENERAL ARRANGEMENT PLAN - ELDER STREET LAND BRIDGE	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1604
SUIT. CODE	REVISION 5





**1 ELEVATION - ELDER STREET SOUTH LAND BRIDGE**  
SCALE: 1:200



### MATERIAL LEGEND

**MESH FINISHES**

- MS-01 WIRE MESH PROTECTION SCREEN  
WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

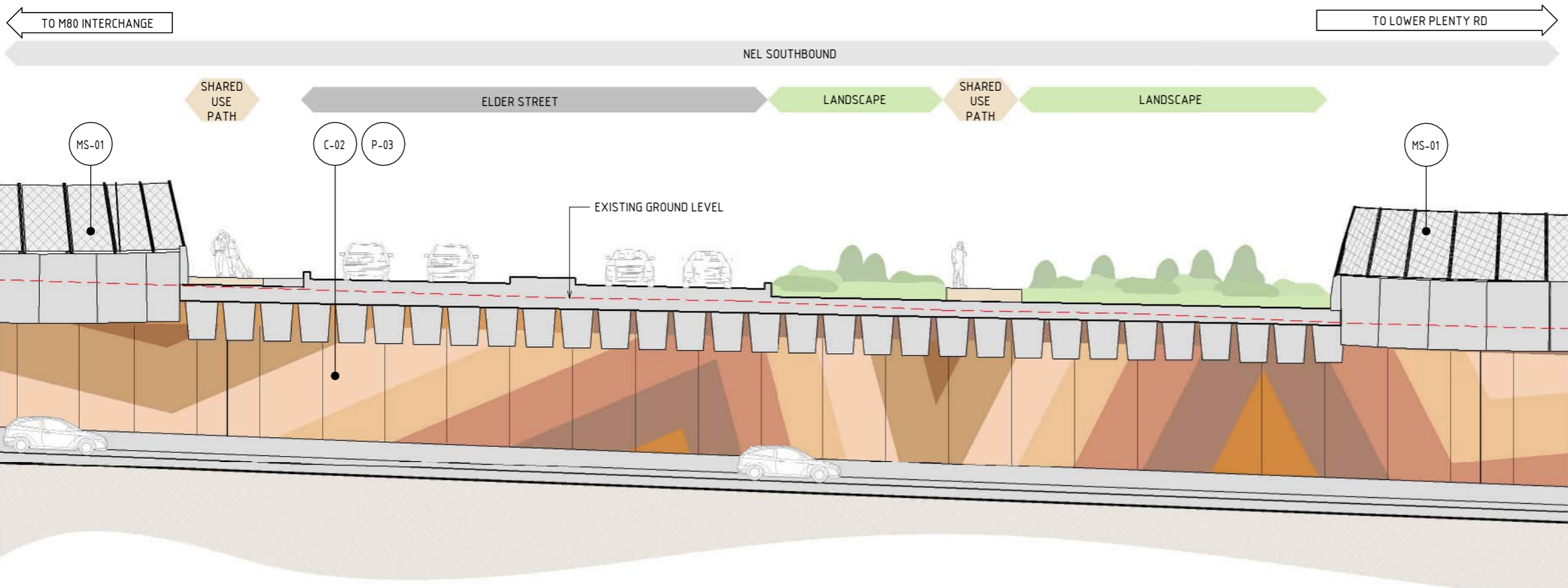
**CONCRETE FINISHES**

- C-02 SHOTCRETE  
SHOTCRETE FINISH.

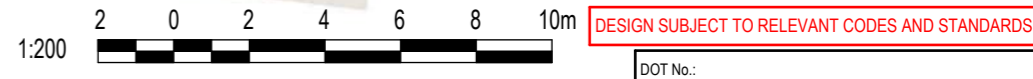
**PAINT FINISHES**

- P-01 PAINT OVER STEEL - TYPE 01  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.
- P-03 PAINT OVER CONCRETE - TYPE 01  
PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

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  - ALL MATERIALS, PATTERNS, COLOURS AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSELL COLOUR CHART.
  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE, RETAINING WALLS AND THROW SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.



**2 SECTION - ELDER STREET EAST LAND BRIDGE**  
SCALE: 1:200



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REVISIONS		APPROVALS		DRAWN: AECOM		SIZE: A3		SCALE: 1:200		CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt		PROJECT CONTRACT: NORTH		NORTH EAST LINK PROGRAM	
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5	UDLP FINAL SUBMISSION	21/08/24	DRAFTING CHECKED BY: E. CASTILLO	21/08/24						NEL-NTH-NNA-3900-EPU-DRG-1605		5	SECURITY CLASSIFICATION: <b>OFFICIAL: Sensitive</b> DOT No.:		
4	UDLP FINAL SUBMISSION IEA	02/08/24	DESIGNED BY: M. SPYROPOULOS	21/08/24									<b>ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN</b> <b>ZONE 4 WATSONIA PRECINCT</b> <b>ELDER STREET LAND BRIDGE - ELEVATION AND SECTION</b>		
3	UDLP REVISION 1	29/01/24	ENGINEERING CHECKED BY: M. FERNANDO	21/08/24									PROJECT CONTRACT: NORTH		
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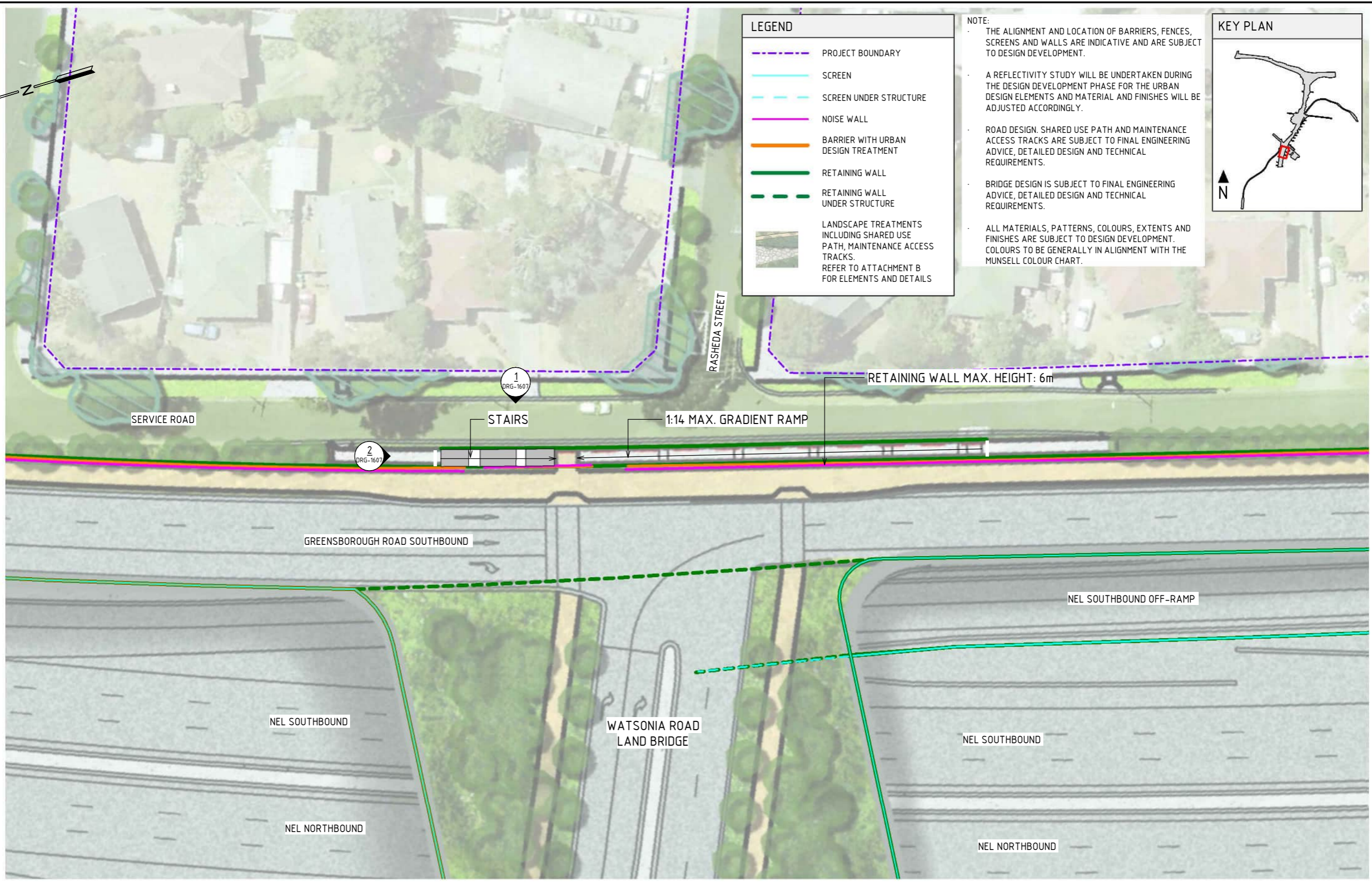
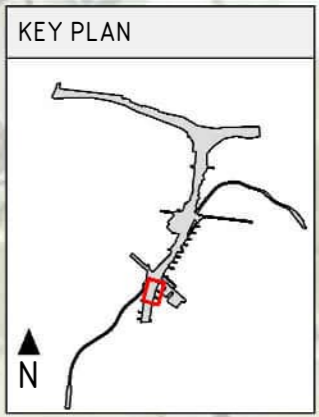




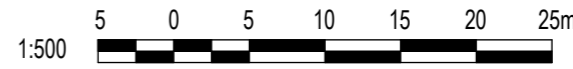
LEGEND	
	PROJECT BOUNDARY
	SCREEN
	SCREEN UNDER STRUCTURE
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS

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**GENERAL ARRANGEMENT - RASHEDA STREET**  
SCALE 1:500



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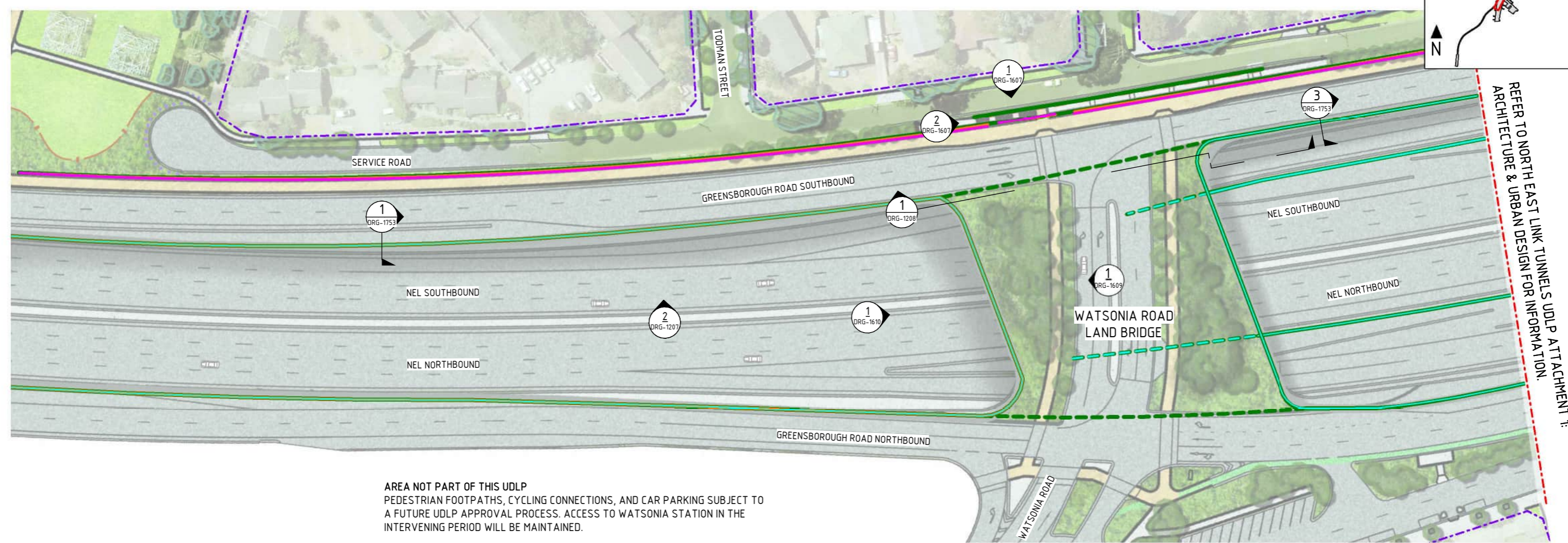
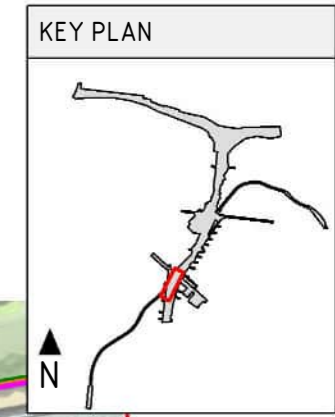
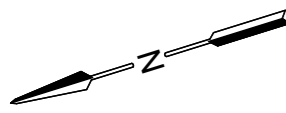
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NORTH EAST LINK PROGRAM	
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GENERAL ARRANGEMENT PLAN - RASHEDA STREET	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1606
SUIT. CODE	REVISION
	5









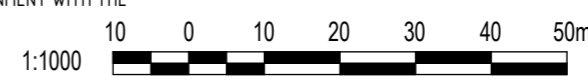
REFER TO NORTH EAST LINK TUNNELS UDLP ATTACHMENT 1: ARCHITECTURE & URBAN DESIGN FOR INFORMATION.

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**GENERAL ARRANGEMENT – WATSONIA ROAD LAND BRIDGE**  
SCALE 1:1000

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LEGEND	
	PROJECT BOUNDARY
	SCREEN
	SCREEN UNDER STRUCTURE
	FENCE
	NOISE WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS
	AREA NOT PART OF THIS UDLP
	EXTENT OF NORTH EAST LINK RING ROAD COMPLETION UDLP



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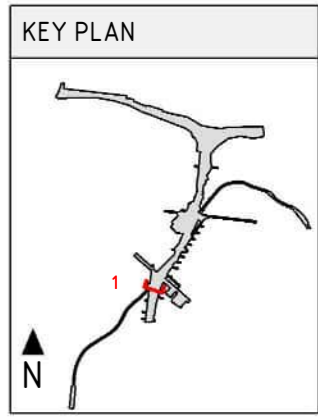
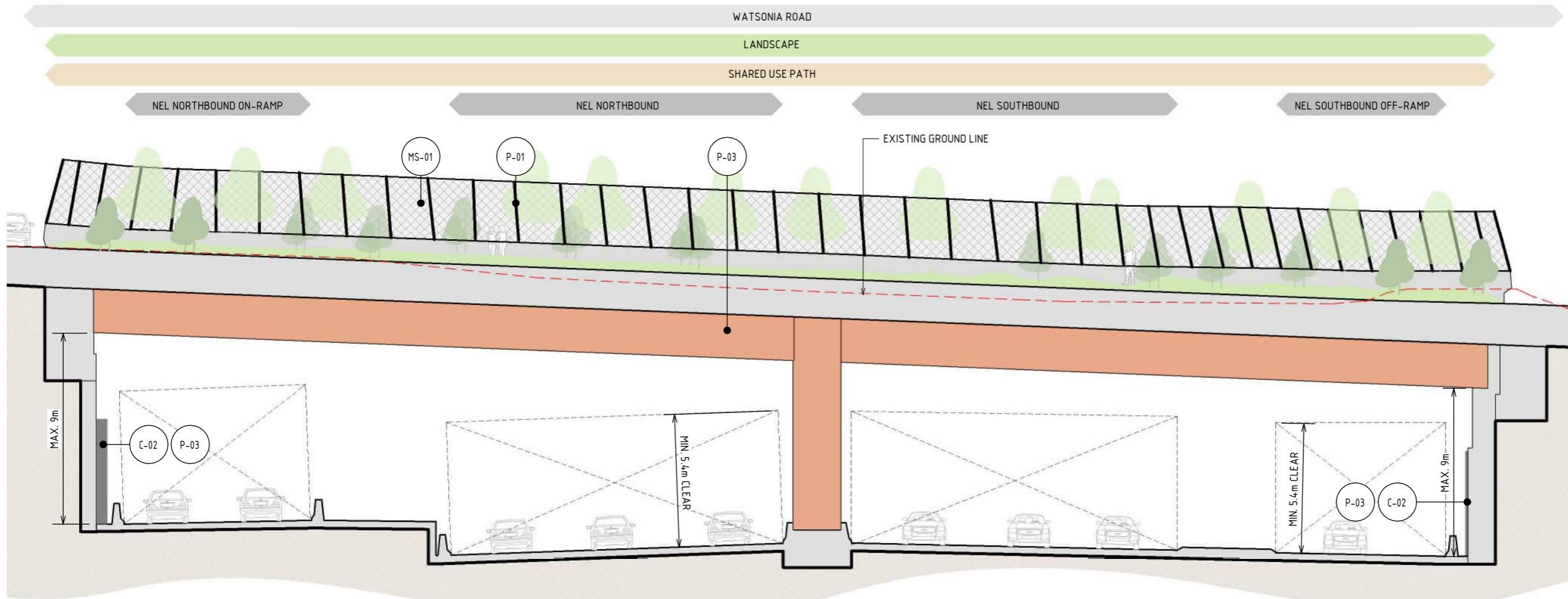
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 ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
 ZONE 4 WATSONIA PRECINCT  
 GENERAL ARRANGEMENT PLAN - WATSONIA ROAD LAND BRIDGE

PROJECT CONTRACT: NORTH  
 NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1608  
 SUI. CODE: 5  
 REVISION: 5



← TO WATSONIA TOWN CENTRE

→ TO GREENSBOROUGH ROAD EAST

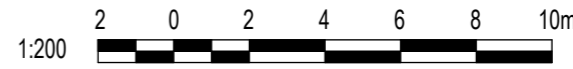


**1 ELEVATION - WATSONIA ROAD LAND BRIDGE**  
SCALE : 1 : 200

LEGEND	
	EXISTING GROUND LEVEL

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MATERIAL LEGEND		
<b>MESH FINISHES</b>	<b>PAINT FINISHES</b>	
<p><b>MS-01</b> WIRE MESH PROTECTION SCREEN</p> <p>WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.</p>	<p><b>P-01</b> PAINT OVER STEEL - TYPE 01</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p>	<p><b>P-03</b> PAINT OVER CONCRETE - TYPE 01</p> <p>PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>
<b>CONCRETE FINISHES</b>		
<p><b>C-02</b> SHOTCRETE</p> <p>SHOTCRETE FINISH.</p>		

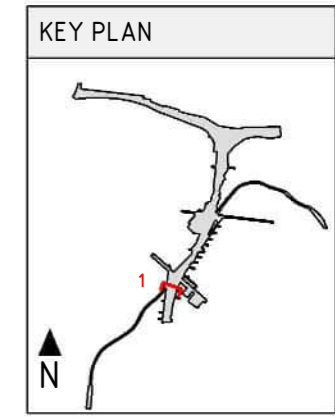
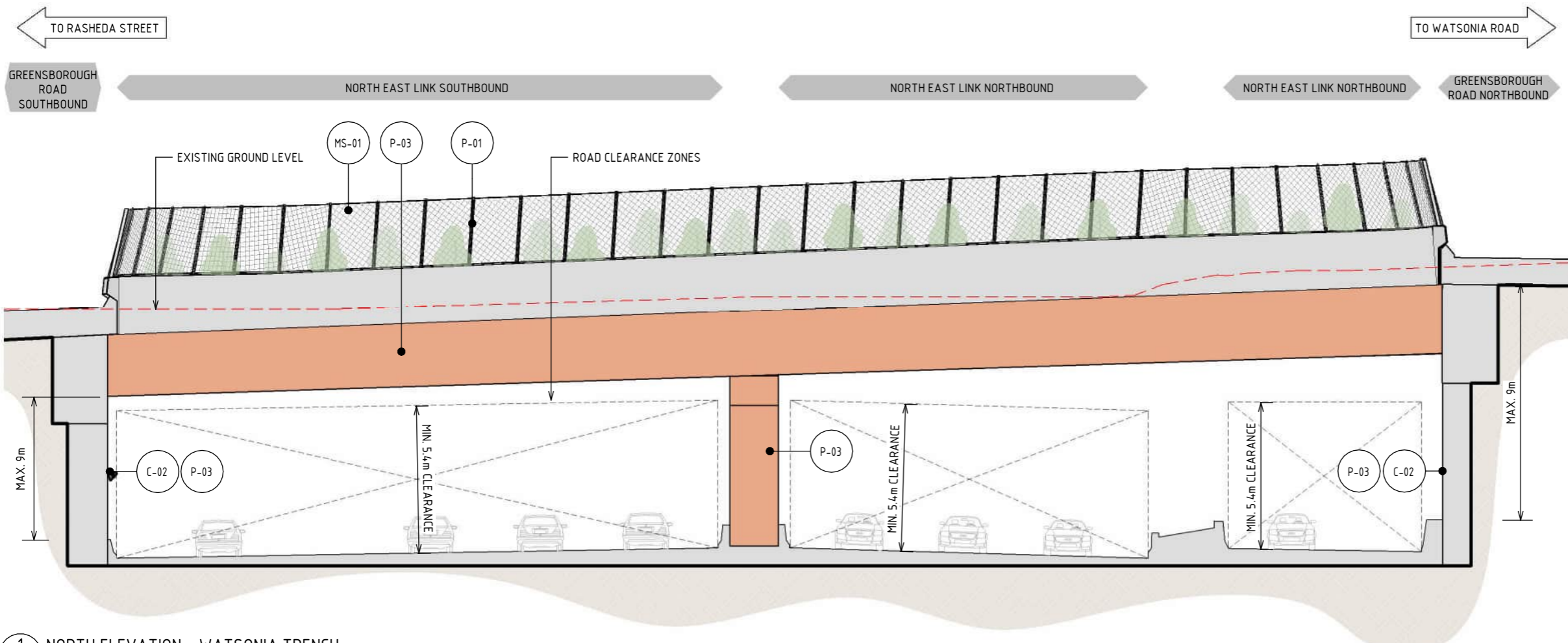


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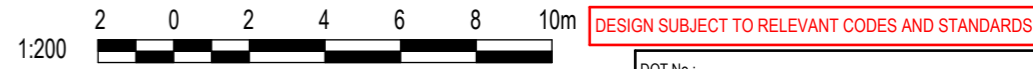


1 NORTH ELEVATION - WATSONIA TRENCH  
SCALE : 1 : 200

LEGEND	
	EXISTING GROUND LEVEL

- NOTE:
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL FINISHES WILL BE ADJUSTED ACCORDINGLY.
  - ALL MATERIALS, PATTERNS, COLOURS AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSSELL COLOUR CHART.
  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - TRENCH CLADDING ELEMENTS ARE SUBJECT TO DESIGN DEVELOPMENT.
  - EXISTING GROUND LEVEL LINE IS SHOWN INDICATIVELY.
  - MAXIMUM HEIGHT OF NOISE, RETAINING WALLS AND THROW SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.

MATERIAL LEGEND		
<b>PAINT FINISHES</b>		<b>CONCRETE FINISHES</b>
<p><b>P-01</b> PAINT OVER STEEL - TYPE 01</p> <p>PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.</p>	<p><b>P-03</b> PAINT OVER CONCRETE - TYPE 01</p> <p>PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.</p>	<p><b>C-02</b> SHOTCRETE</p> <p>SHOTCRETE FINISH.</p>
		<b>MESH FINISHES</b>
		<p><b>MS-01</b> WIRE MESH PROTECTION SCREEN</p> <p>WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.</p>



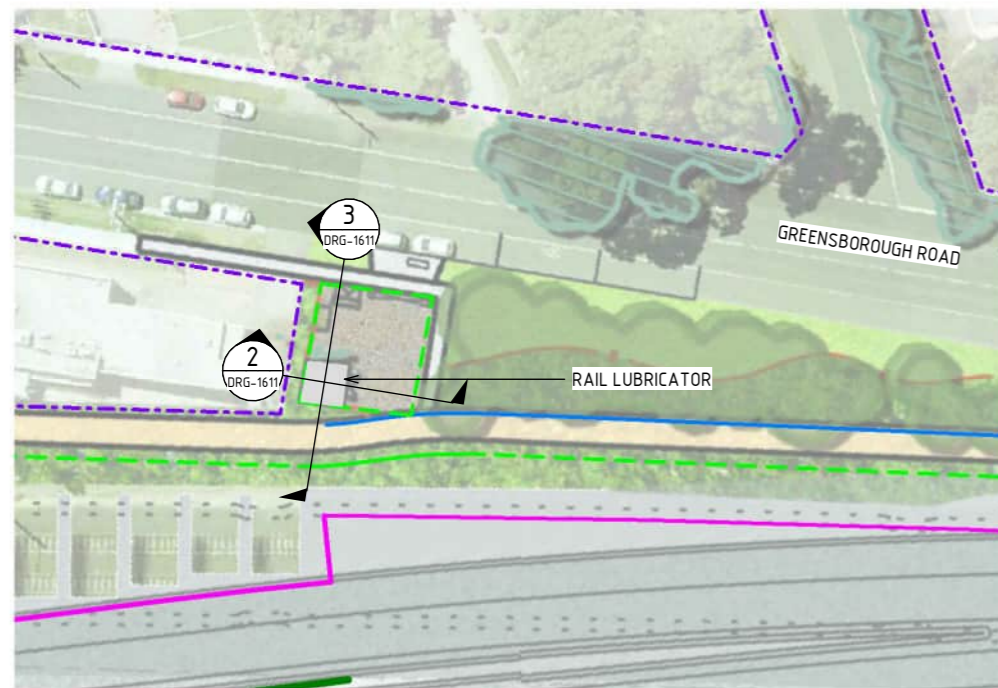
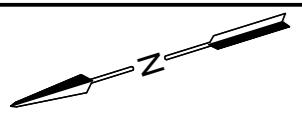
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REV.	DESCRIPTION	DATE
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2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

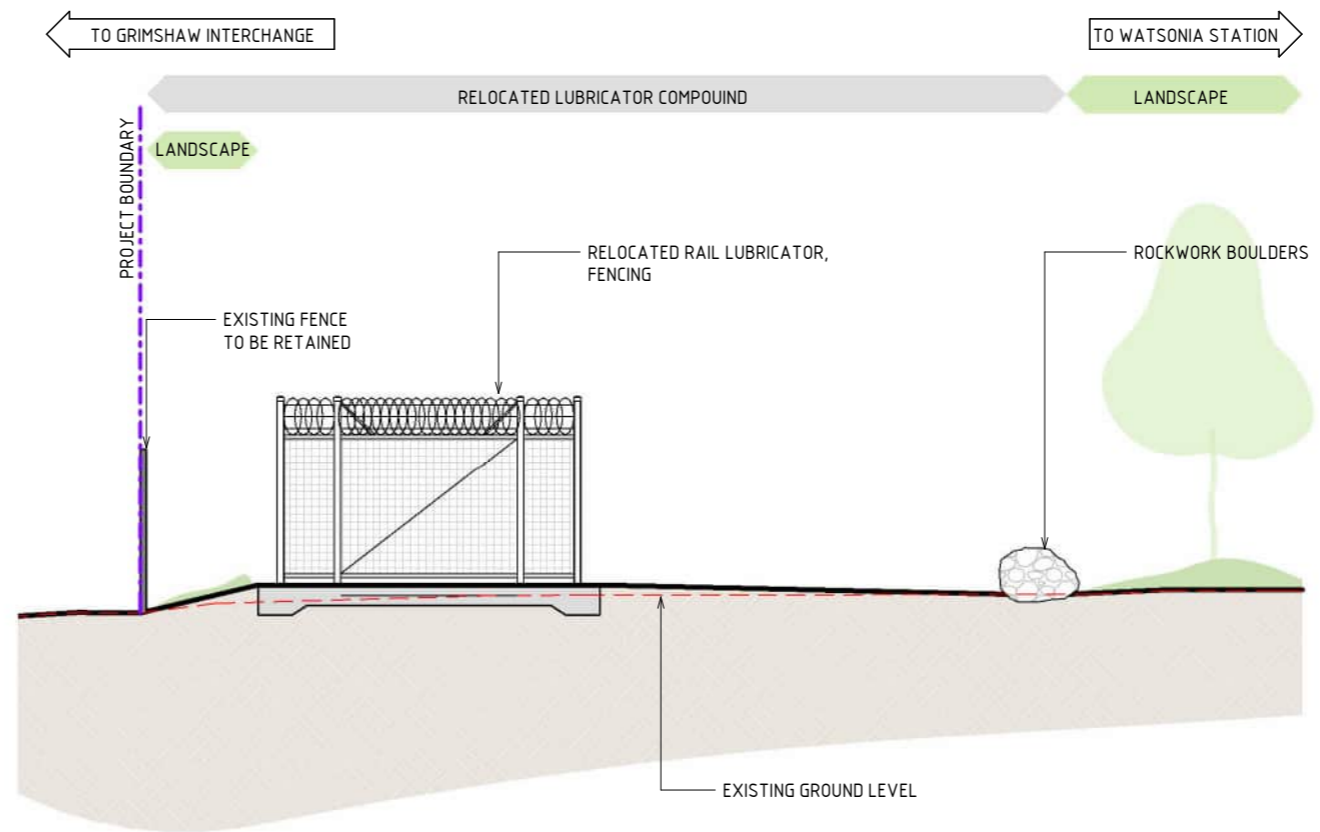
NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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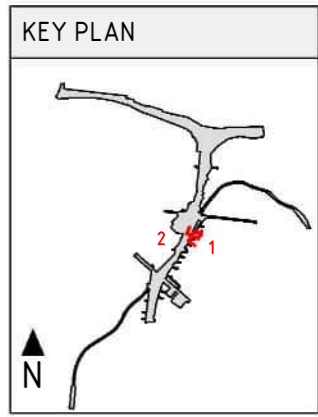




**1 GENERAL ARRANGEMENT - RAIL LUBRICATOR**  
SCALE : 1 : 750



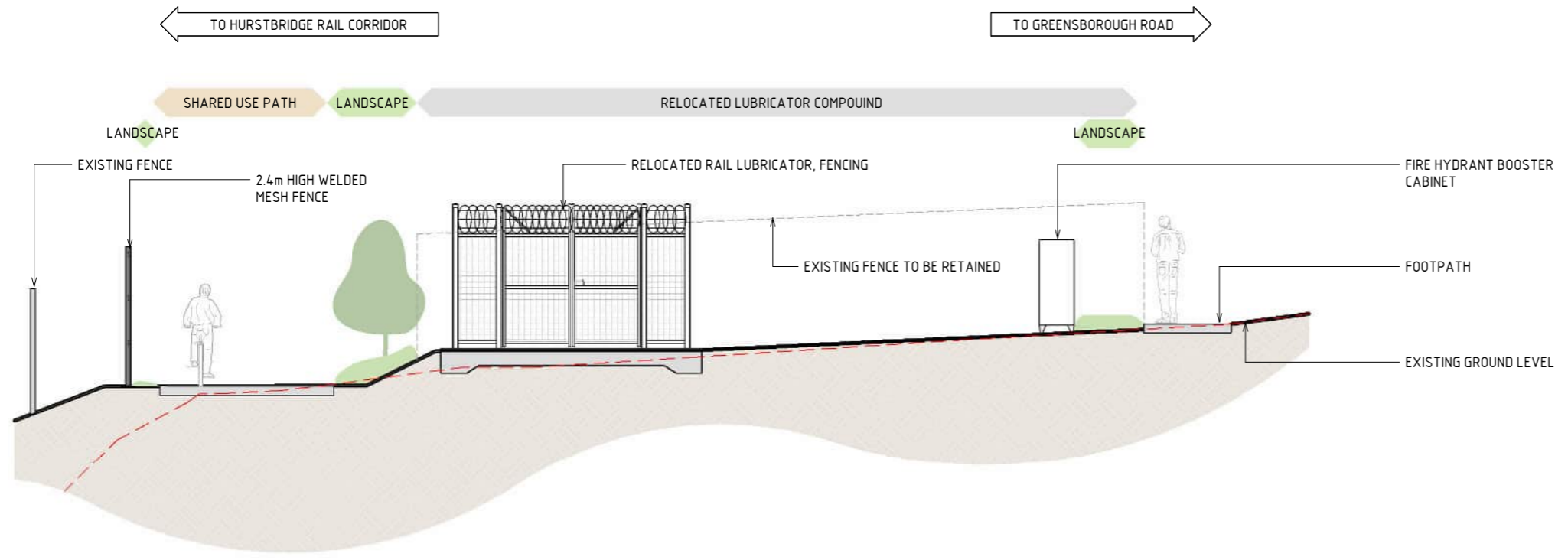
**2 SECTION - RAIL LUBRICATOR EAST**  
SCALE : 1 : 100



**LEGEND**

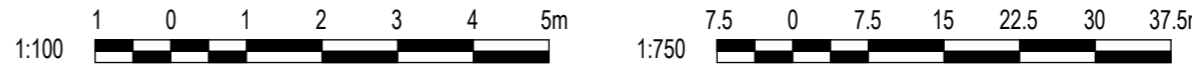
- PROJECT BOUNDARY
- EXISTING GROUND LEVEL
- CIVIL RAIL FENCE
- NOISE WALL
- FLOOD WALL
- RETAINING WALL

LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS



**3 SECTION - RAIL LUBRICATOR NORTH**  
SCALE : 1 : 100

- NOTE:**
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  - ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - RAIL SERVICES/LUBRICATOR ARE SUBJECT TO MTM ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
  - EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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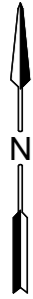
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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ZONE 4 WATSONIA PRECINCT  
RAIL LUBRICATOR PLAN AND SECTION

Security Classification: **OFFICIAL: Sensitive**

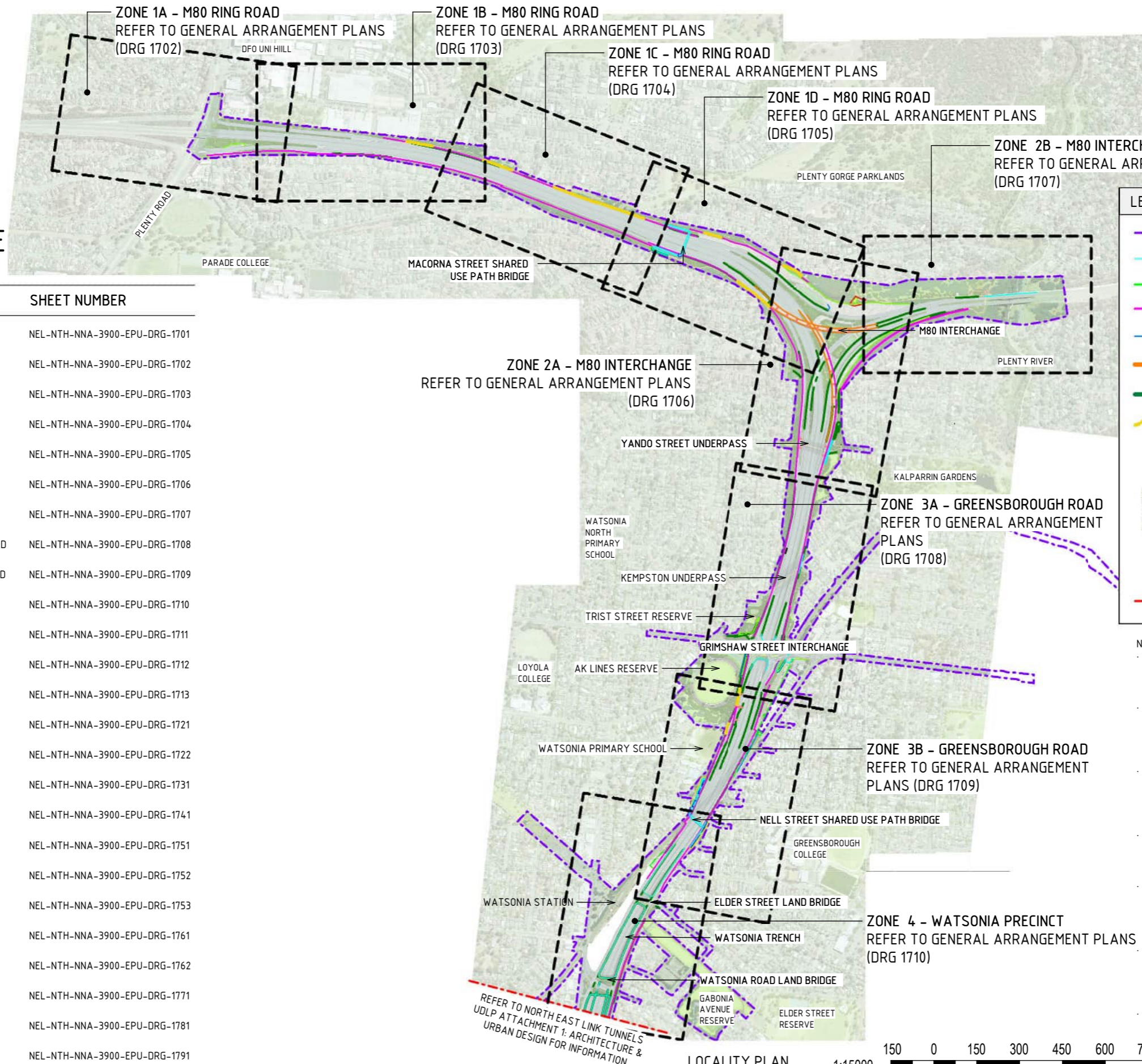
DOT No.:





# ROAD INFRASTRUCTURE DRAWING INDEX

DRAWING NAME	SHEET NUMBER
LOCALITY PLAN	NEL-NTH-NNA-3900-EPU-DRG-1701
ROAD INFRASTRUCTURE PLANS - ZONE 1A - M80 RING ROAD	NEL-NTH-NNA-3900-EPU-DRG-1702
ROAD INFRASTRUCTURE PLANS - ZONE 1B - M80 RING ROAD	NEL-NTH-NNA-3900-EPU-DRG-1703
ROAD INFRASTRUCTURE PLANS - ZONE 1C - M80 RING ROAD	NEL-NTH-NNA-3900-EPU-DRG-1704
ROAD INFRASTRUCTURE PLANS - ZONE 1D - M80 RING ROAD	NEL-NTH-NNA-3900-EPU-DRG-1705
ROAD INFRASTRUCTURE PLANS - ZONE 2A - M80 INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1706
ROAD INFRASTRUCTURE PLANS - ZONE 2B - M80 INTERCHANGE	NEL-NTH-NNA-3900-EPU-DRG-1707
ROAD INFRASTRUCTURE PLANS - ZONE 3A - GREENSBOROUGH ROAD	NEL-NTH-NNA-3900-EPU-DRG-1708
ROAD INFRASTRUCTURE PLANS - ZONE 3B - GREENSBOROUGH ROAD	NEL-NTH-NNA-3900-EPU-DRG-1709
ROAD INFRASTRUCTURE PLANS - ZONE 4 - WATSONIA PRECINCT	NEL-NTH-NNA-3900-EPU-DRG-1710
NOISE WALLS - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1711
NOISE WALLS - TYPES 02	NEL-NTH-NNA-3900-EPU-DRG-1712
NOISE WALLS - ELEVATIONS - SHEET 01	NEL-NTH-NNA-3900-EPU-DRG-1713
RETAINING WALLS - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1721
RETAINING WALLS - TYPES 02	NEL-NTH-NNA-3900-EPU-DRG-1722
FLOOD WALLS - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1731
SCREEN TYPES - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1741
BARRIER TYPES - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1751
BARRIER TYPES - TYPES 02	NEL-NTH-NNA-3900-EPU-DRG-1752
BARRIER TYPES - TYPES 03	NEL-NTH-NNA-3900-EPU-DRG-1753
GANTRY TYPES - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1761
GANTRY TYPES - TYPES 02	NEL-NTH-NNA-3900-EPU-DRG-1762
PIER TYPES - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1771
FENCE TYPES - TYPES 01	NEL-NTH-NNA-3900-EPU-DRG-1781
MATERIAL PRECEDENTS	NEL-NTH-NNA-3900-EPU-DRG-1791



LEGEND	
	PROJECT BOUNDARY
	SCREEN
	FENCE
	NOISE WALL
	FLOOD WALL
	BARRIER WITH URBAN DESIGN TREATMENT
	RETAINING WALL
	VERTICAL GREENING TO COMMUNITY SIDE
	PIER UNDER STRUCTURE
	LANDSCAPE TREATMENTS INCLUDING SHARED USE PATH, MAINTENANCE ACCESS TRACKS. REFER TO ATTACHMENT B FOR ELEMENTS AND DETAILS
	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
	EXTENT OF NORTH EAST LINK RING ROAD COMPLETION UDLP

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  - AREAS OF PLENTY ROAD SHARED USE PATH CONNECTION TO ENTERPRISE DRIVE SITED OUTSIDE PROJECT BOUNDARY TO BE PROVIDED IN AGREEMENT WITH WHITTLESEA COUNCIL.
  - AREAS OF M80 SHARED USE PATH CONNECTIONS TO LOCAL STREET NETWORK SITED OUTSIDE PROJECT BOUNDARY TO BE PROVIDED IN AGREEMENT WITH NILLUMBIK COUNCIL.
  - EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

REFER TO NORTH EAST LINK TUNNELS UDLP ATTACHMENT 1: ARCHITECTURE & URBAN DESIGN FOR INFORMATION

LOCALITY PLAN  
SCALE 1: 15000



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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Note: \* Indicates signed documents as drawings will not have wet signatures.

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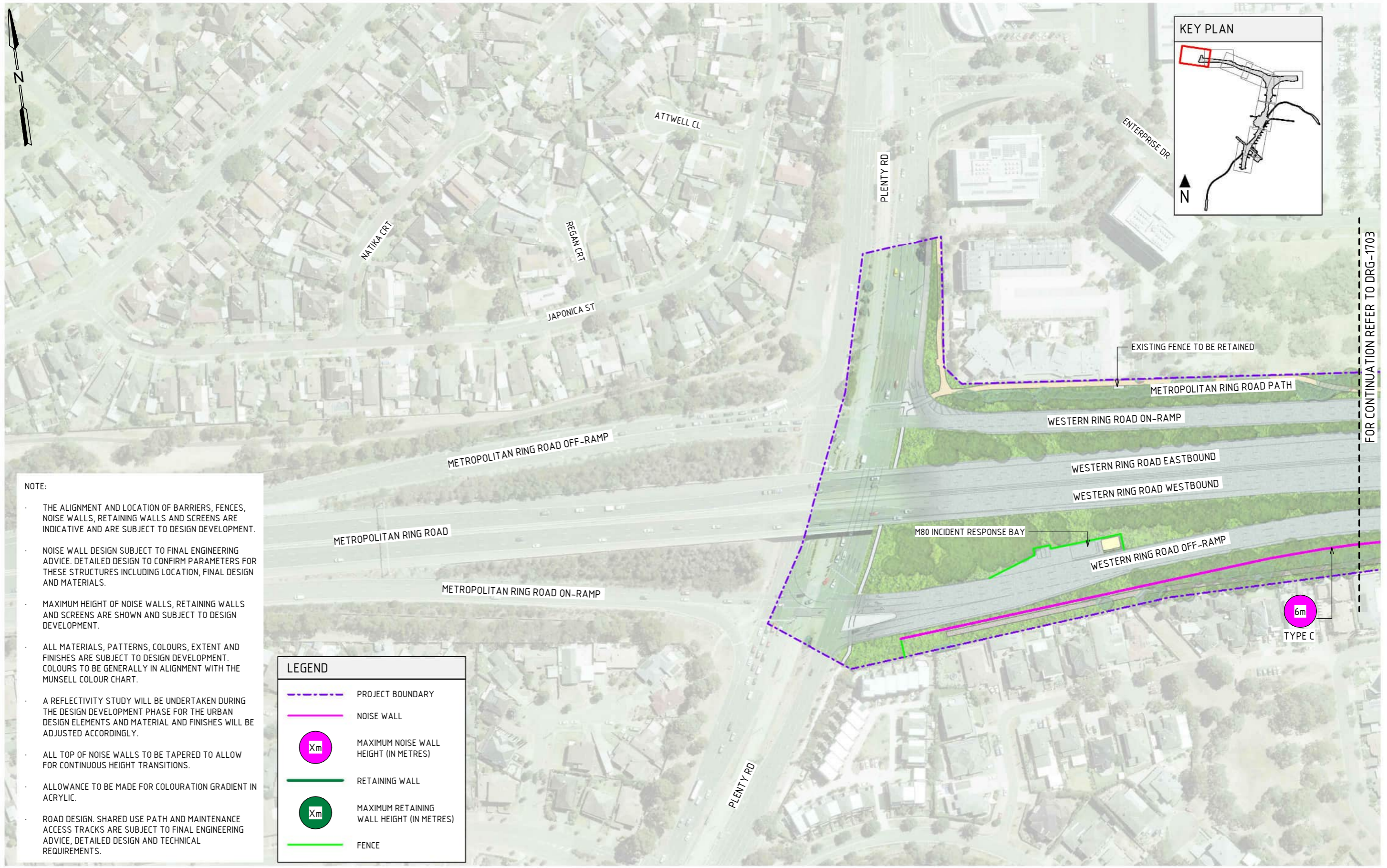


**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ROAD INFRASTRUCTURE  
LOCALITY PLAN

DOT No.:



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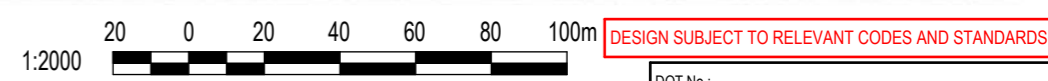


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- NOISE WALL DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
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- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- ROAD DESIGN, SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.

LEGEND	
	PROJECT BOUNDARY
	NOISE WALL
	MAXIMUM NOISE WALL HEIGHT (IN METRES)
	RETAINING WALL
	MAXIMUM RETAINING WALL HEIGHT (IN METRES)
	FENCE

**ROAD INFRASTRUCTURE PLAN - ZONE 1A**  
SCALE 1: 2000

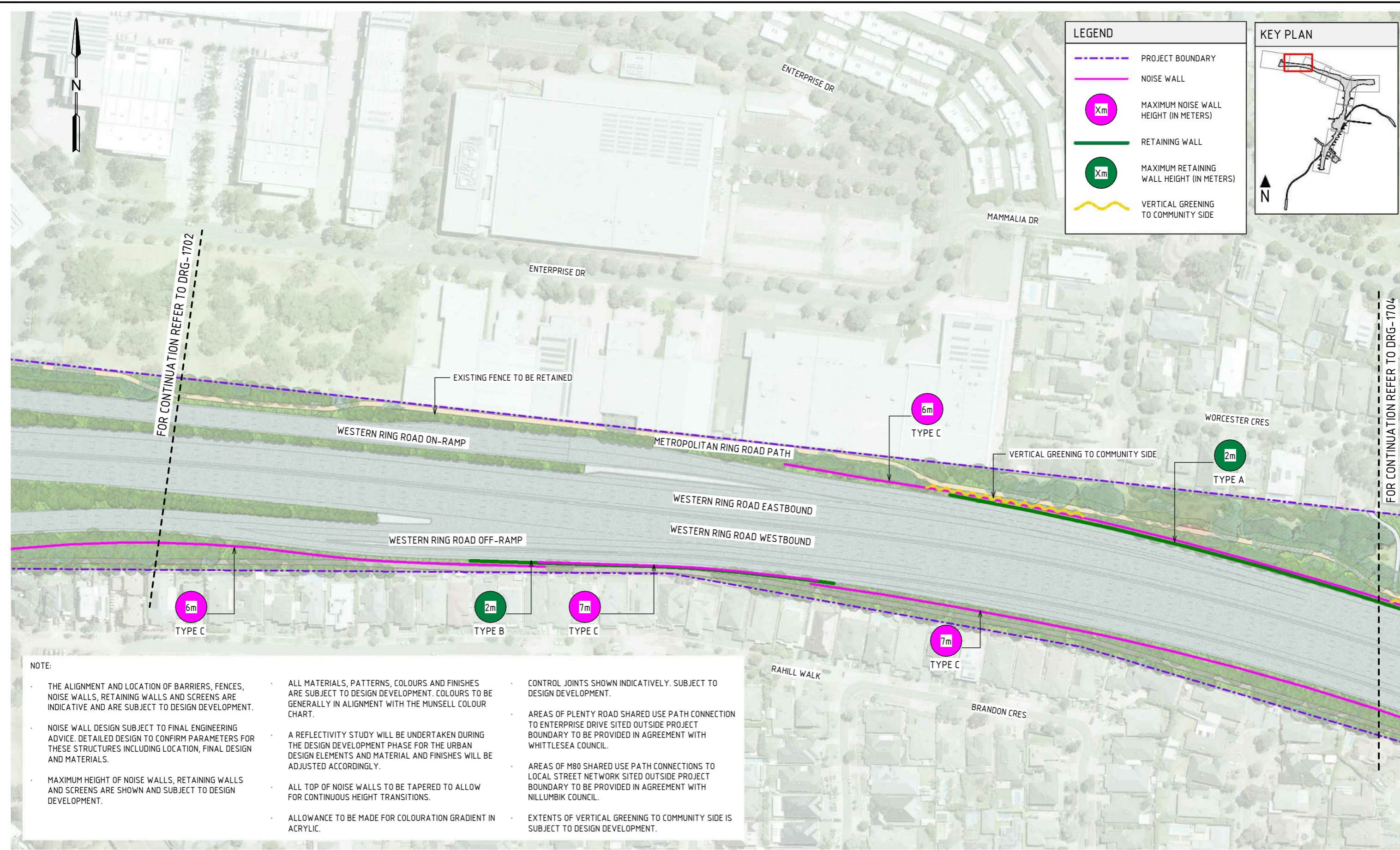


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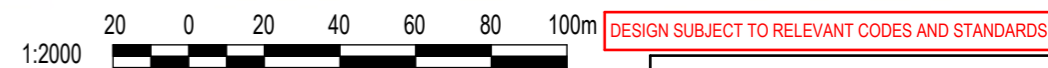
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- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- CONTROL JOINTS SHOWN INDICATIVELY. SUBJECT TO DESIGN DEVELOPMENT.
- AREAS OF PLENTY ROAD SHARED USE PATH CONNECTION TO ENTERPRISE DRIVE SITED OUTSIDE PROJECT BOUNDARY TO BE PROVIDED IN AGREEMENT WITH WHITTLESEA COUNCIL.
- AREAS OF M80 SHARED USE PATH CONNECTIONS TO LOCAL STREET NETWORK SITED OUTSIDE PROJECT BOUNDARY TO BE PROVIDED IN AGREEMENT WITH MILLUMBK COUNCIL.
- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

**ROAD INFRASTRUCTURE PLAN – ZONE 1B**  
SCALE 1: 2000



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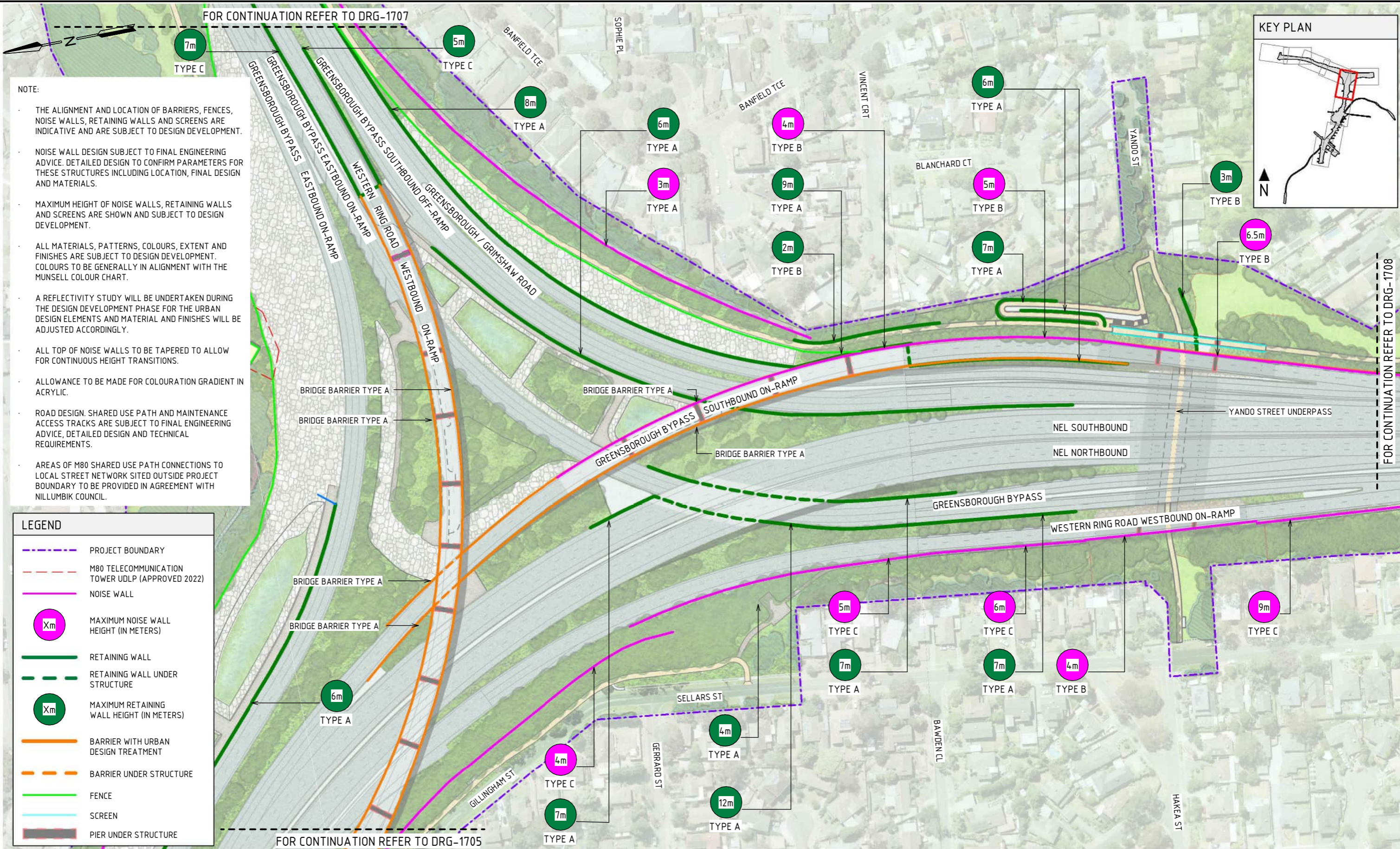








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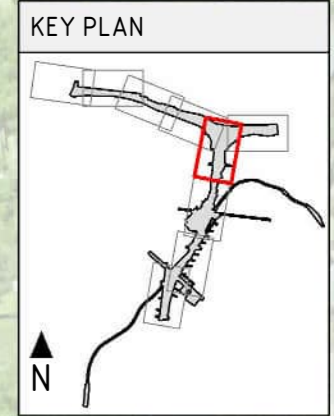


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- AREAS OF M80 SHARED USE PATH CONNECTIONS TO LOCAL STREET NETWORK SITED OUTSIDE PROJECT BOUNDARY TO BE PROVIDED IN AGREEMENT WITH NILLUMBIK COUNCIL.

**LEGEND**

- PROJECT BOUNDARY
- M80 TELECOMMUNICATION TOWER UDLP (APPROVED 2022)
- NOISE WALL
- MAXIMUM NOISE WALL HEIGHT (IN METERS)
- RETAINING WALL
- RETAINING WALL UNDER STRUCTURE
- MAXIMUM RETAINING WALL HEIGHT (IN METERS)
- BARRIER WITH URBAN DESIGN TREATMENT
- BARRIER UNDER STRUCTURE
- FENCE
- SCREEN
- PIER UNDER STRUCTURE



**ROAD INFRASTRUCTURE PLAN - ZONE 2A**  
SCALE 1:2000

1:2000 **DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS**

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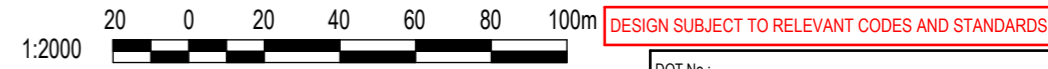


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LEGEND	
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	MAXIMUM NOISE WALL HEIGHT (IN METERS)
	RETAINING WALL
	RETAINING WALL UNDER STRUCTURE
	MAXIMUM RETAINING WALL HEIGHT (IN METERS)
	BARRIER WITH URBAN DESIGN TREATMENT
	FENCE
	SCREEN
	PIER UNDER STRUCTURE

ROAD INFRASTRUCTURE PLAN - ZONE 2B  
SCALE 1:2000



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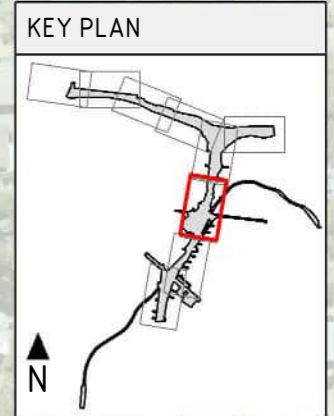
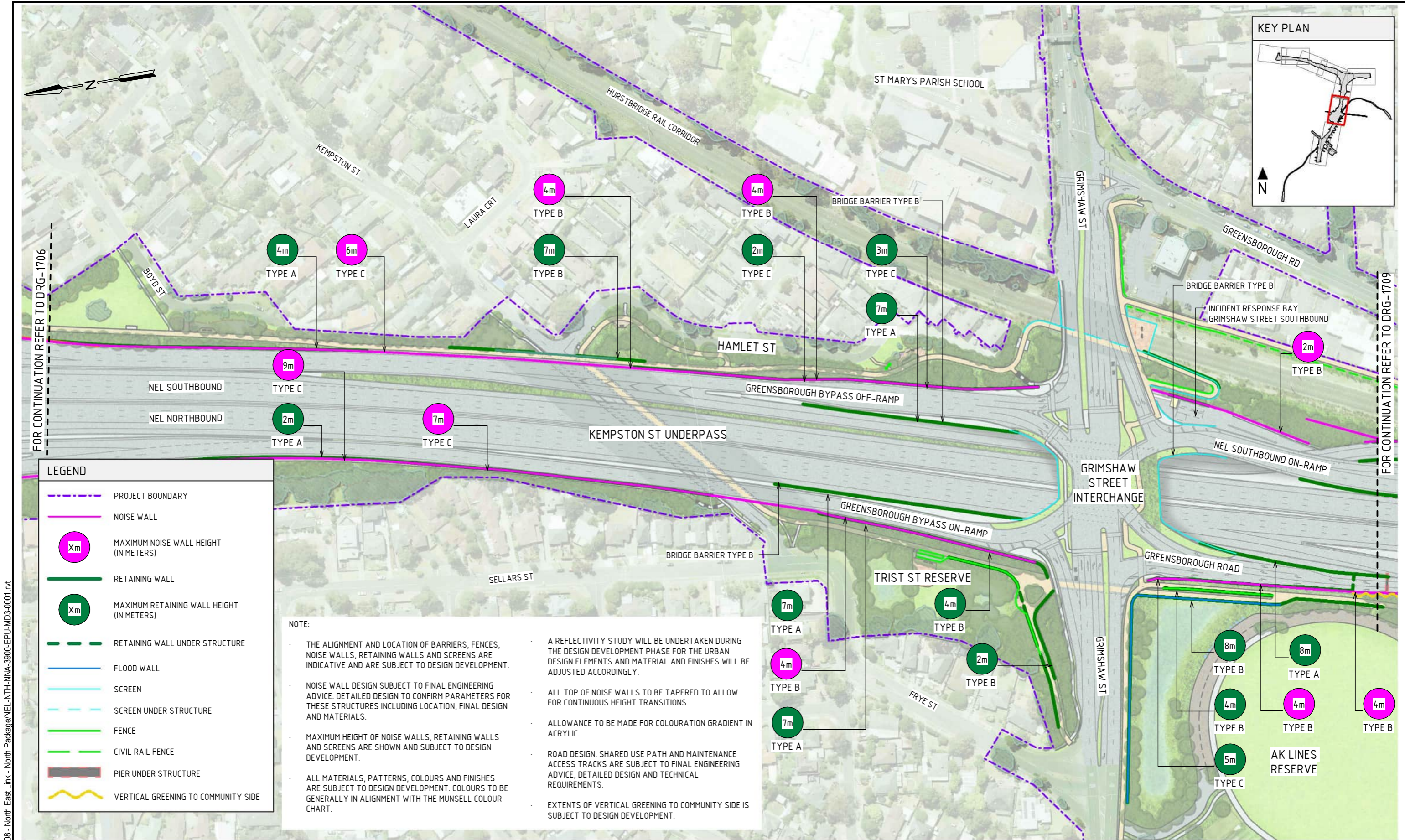
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**NORTH EAST LINK PROGRAM**  
 RING ROAD COMPLETION  
 ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
 ROAD INFRASTRUCTURE  
 ROAD INFRASTRUCTURE PLANS - ZONE 2B

PROJECT CONTRACT: NORTH  
 NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1707  
 SUIT. CODE: REVISION 5





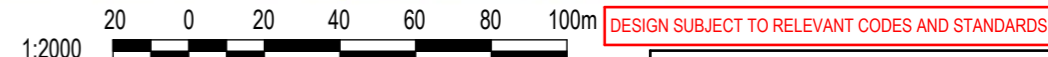
**LEGEND**

- PROJECT BOUNDARY
- NOISE WALL
- MAXIMUM NOISE WALL HEIGHT (IN METERS)
- RETAINING WALL
- MAXIMUM RETAINING WALL HEIGHT (IN METERS)
- RETAINING WALL UNDER STRUCTURE
- FLOOD WALL
- SCREEN
- SCREEN UNDER STRUCTURE
- FENCE
- CIVIL RAIL FENCE
- PIER UNDER STRUCTURE
- VERTICAL GREENING TO COMMUNITY SIDE

**NOTE:**

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**ROAD INFRASTRUCTURE PLAN - ZONE 3A**  
SCALE 1:2000



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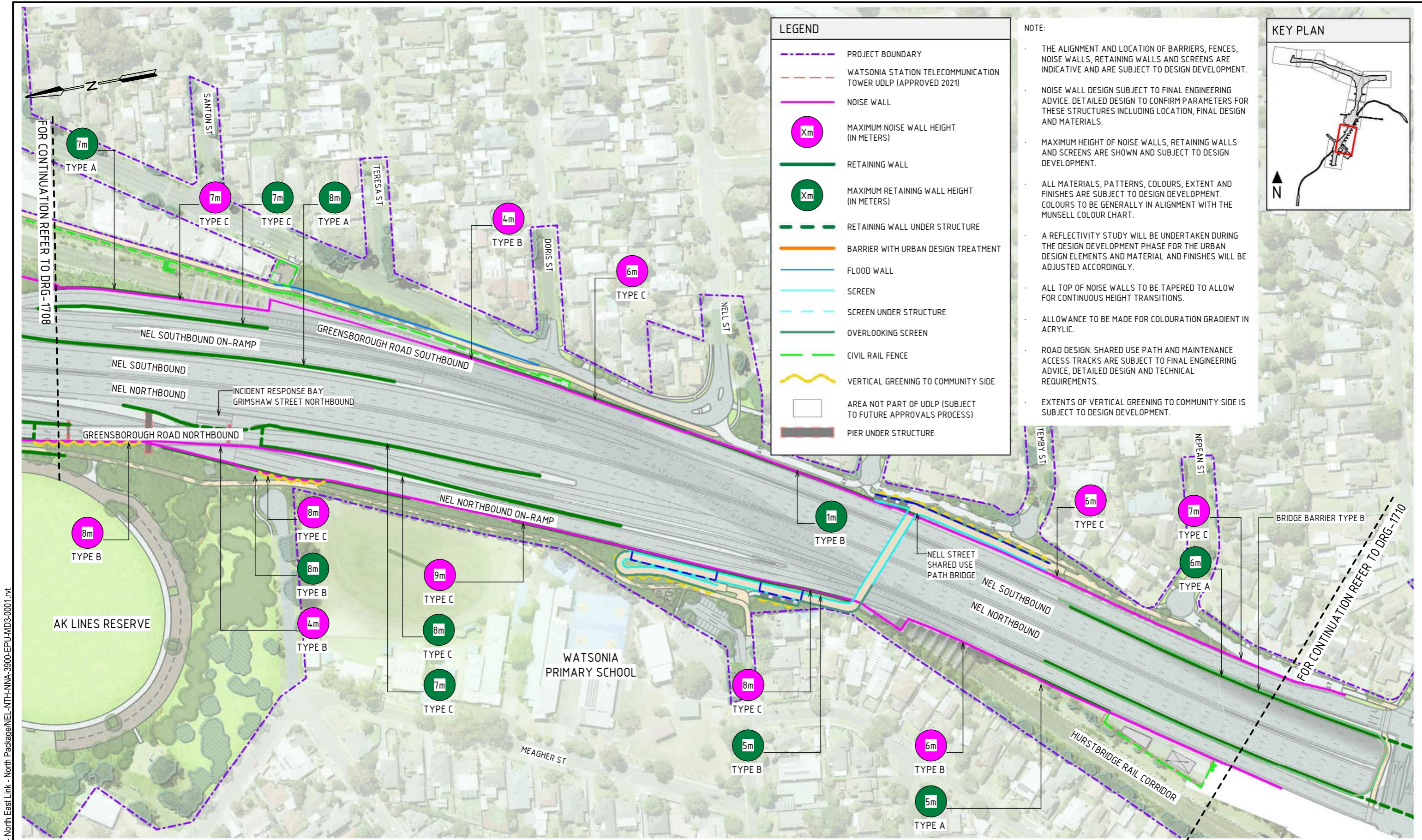
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ROAD INFRASTRUCTURE PLANS - ZONE 3A	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1708
SUIT. CODE	REVISION 5



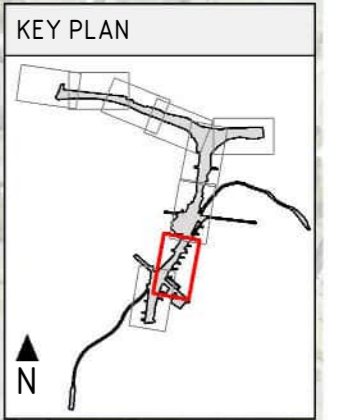


**LEGEND**

- PROJECT BOUNDARY
- WATSONIA STATION TELECOMMUNICATION TOWER UDLP (APPROVED 2021)
- NOISE WALL
- MAXIMUM NOISE WALL HEIGHT (IN METERS)
- RETAINING WALL
- MAXIMUM RETAINING WALL HEIGHT (IN METERS)
- RETAINING WALL UNDER STRUCTURE
- BARRIER WITH URBAN DESIGN TREATMENT
- FLOOD WALL
- SCREEN
- SCREEN UNDER STRUCTURE
- OVERLOOKING SCREEN
- CIVIL RAIL FENCE
- VERTICAL GREENING TO COMMUNITY SIDE
- AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
- PIER UNDER STRUCTURE

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**ROAD INFRASTRUCTURE PLAN - ZONE 3B**  
SCALE 1:2000

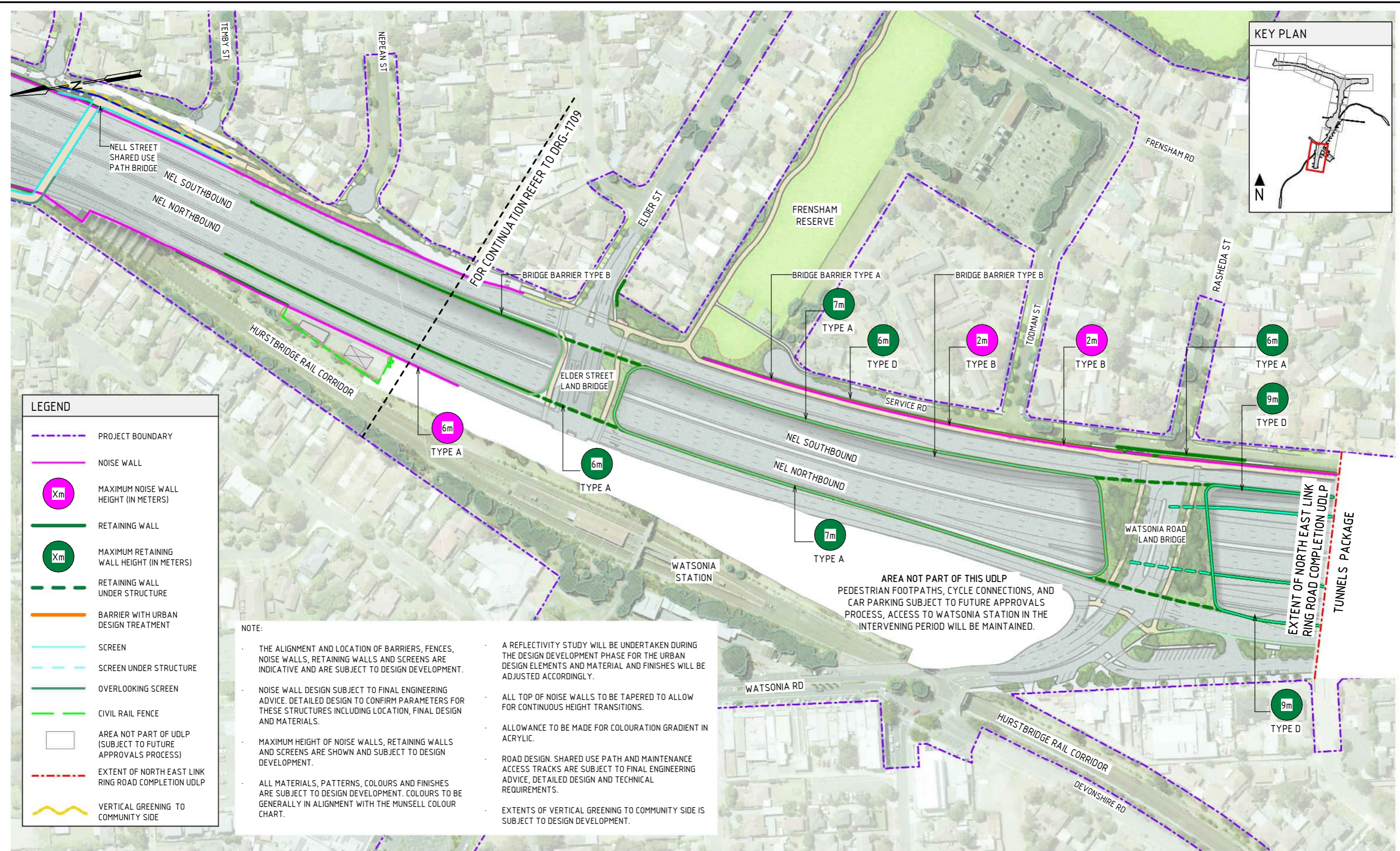
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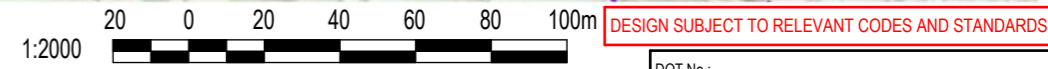


LEGEND	
	PROJECT BOUNDARY
	NOISE WALL
	MAXIMUM NOISE WALL HEIGHT (IN METERS)
	RETAINING WALL
	MAXIMUM RETAINING WALL HEIGHT (IN METERS)
	RETAINING WALL UNDER STRUCTURE
	BARRIER WITH URBAN DESIGN TREATMENT
	SCREEN
	SCREEN UNDER STRUCTURE
	OVERLOOKING SCREEN
	CIVIL RAIL FENCE
	AREA NOT PART OF UDLP (SUBJECT TO FUTURE APPROVALS PROCESS)
	EXTENT OF NORTH EAST LINK RING ROAD COMPLETION UDLP
	VERTICAL GREENING TO COMMUNITY SIDE

**NOTE:**

- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- NOISE WALL DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
- MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- ALL MATERIALS, PATTERNS, COLOURS AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSELL COLOUR CHART.
- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ALL TOP OF NOISE WALLS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- EXTENTS OF VERTICAL GREENING TO COMMUNITY SIDE IS SUBJECT TO DESIGN DEVELOPMENT.

**ROAD INFRASTRUCTURE PLAN - ZONE 4**  
SCALE 1:2000



REVISIONS		APPROVALS		DRAWN: AECOM		SIZE: A3		SCALE: 1:2000		SECURITY CLASSIFICATION: OFFICIAL: Sensitive		PROJECT CONTRACT: NORTH		NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1710		SUIT. CODE: 5	
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5	UDLP FINAL SUBMISSION	21/08/24	E. CASTILLO	21/08/24													
4	UDLP FINAL SUBMISSION IEA	02/08/24	M. SPYROPOULOS	21/08/24													
3	UDLP REVISION 1	29/01/24	M. FERNANDO	21/08/24													
2	UDLP IEA REVIEW	21/12/23	L. ANDERSON	21/08/24													
1	PUBLIC EXHIBITION	25/09/23	Z. CVITKOVIC	21/08/24													



**MATERIAL LEGEND**

**ACRYLIC FINISHES**

- A-01** TRANSPARENT TINTED ACRYLIC PANEL
- A-01** TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYIMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.



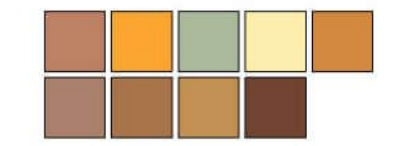
**METAL FINISHES**

- M-03** WEATHERING STEEL
- M-03** WEATHERING STEEL



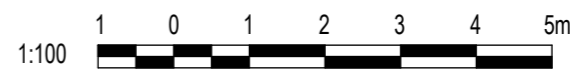
**PAINT FINISHES**

- P-02** PAINT OVER STEEL - TYPE 02
- P-02** PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.



- NOTE:**
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
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  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
  - ALL TOP OF NOISE WALLS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
  - ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
  - CONTROL JOINTS SHOWN INDICATIVELY. SUBJECT TO DESIGN DEVELOPMENT.

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS



DOT No.:

**NORTH EAST LINK PROGRAM**

RING ROAD COMPLETION  
 ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
 ROAD INFRASTRUCTURE  
 NOISE WALL TYPES - SHEET 01

PROJECT CONTRACT:	NORTH	NELP DRAWING No.:	NEL-NTH-NNA-3900-EPU-DRG-1711	SUIT. CODE	REVISION
					5

Security Classification: **OFFICIAL: Sensitive**  
 CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

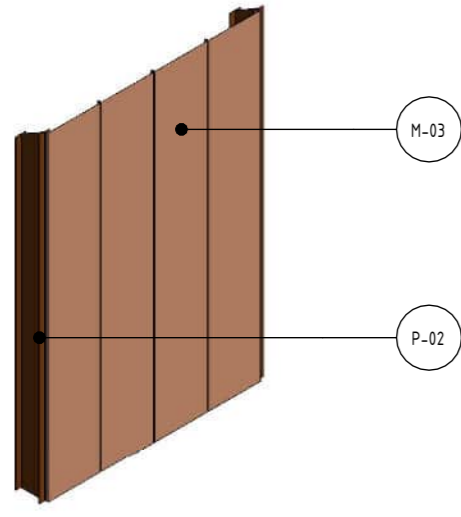


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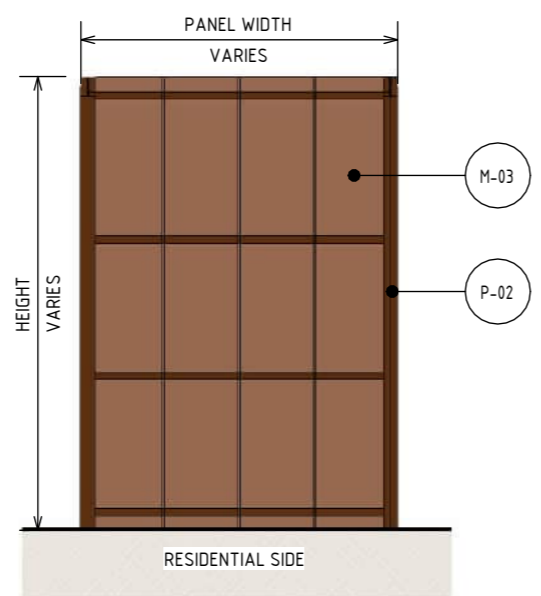
NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

REV.	DESCRIPTION	DATE
5	UDLP FINAL SUBMISSION	21/08/24
4	UDLP FINAL SUBMISSION IEA	02/08/24
3	UDLP REVISION 1	29/01/24
2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

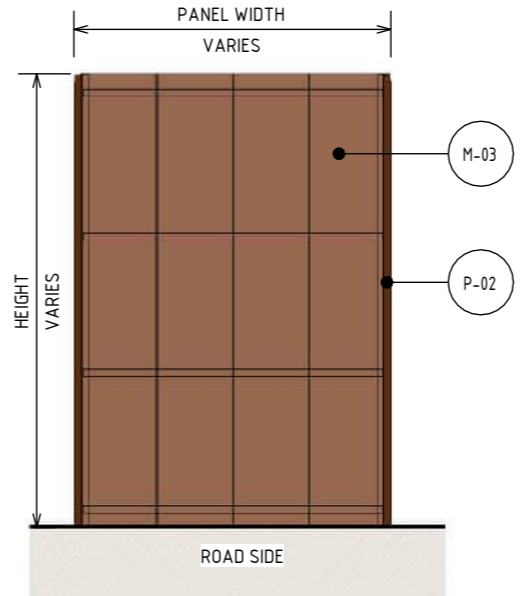
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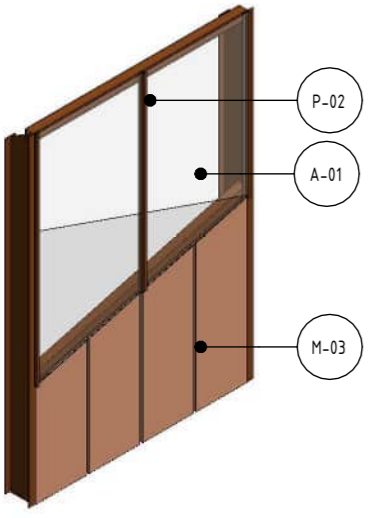
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N.T.S



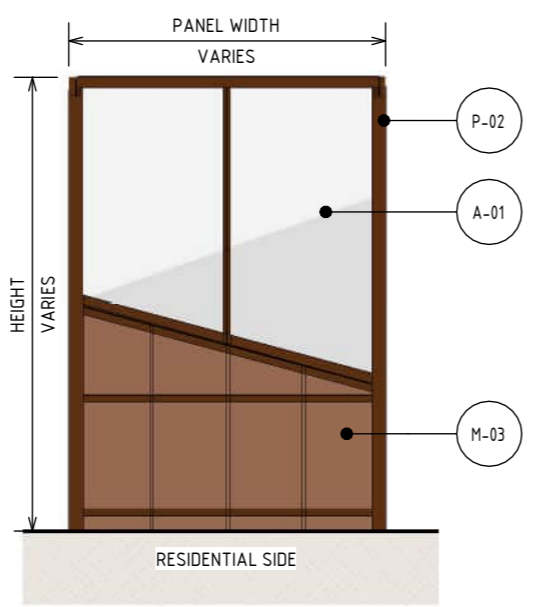
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SCALE : 1 : 100



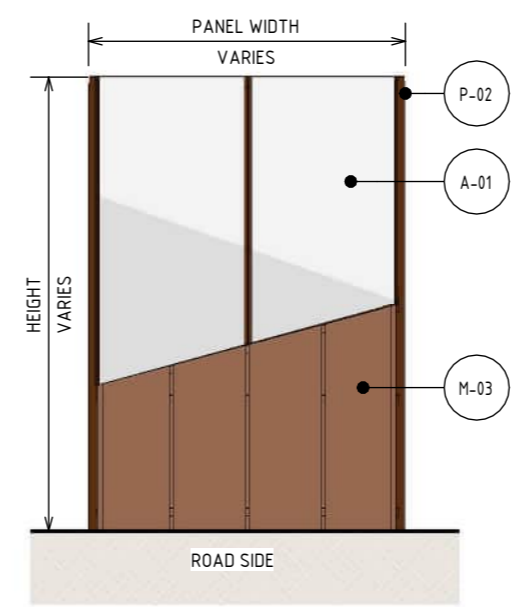
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SCALE : 1 : 100



**4 ISOMETRIC - NOISE WALL TYPE C**  
N.T.S

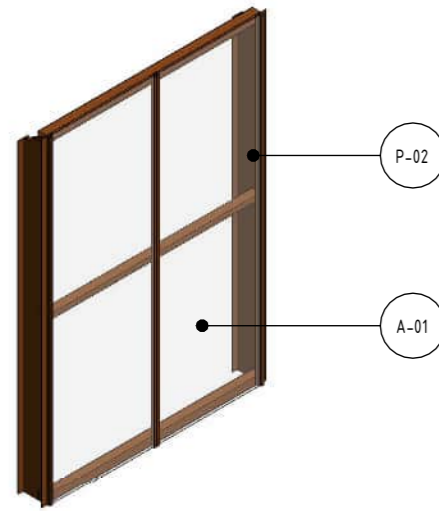


**5 ELEVATION 2 - NOISE WALLS TYPE C**  
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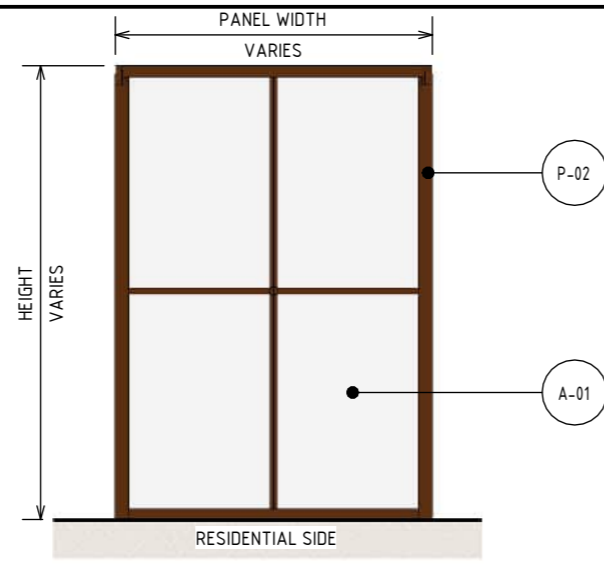


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SCALE : 1 : 100

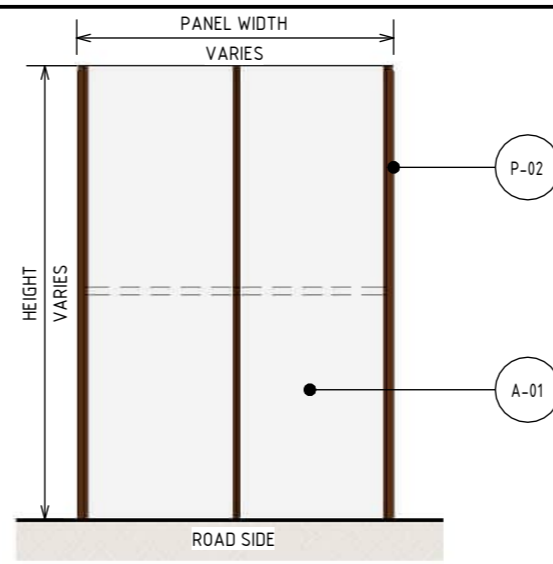




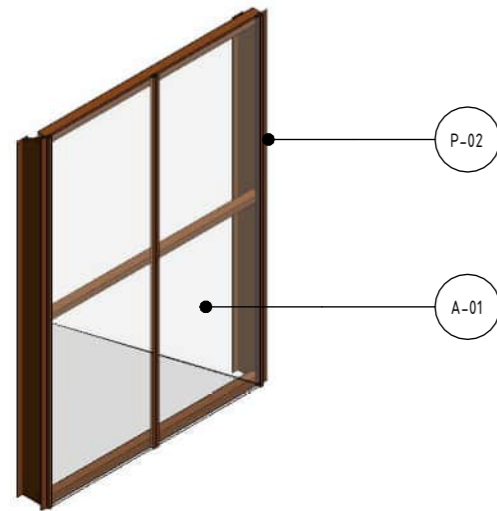
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N.T.S



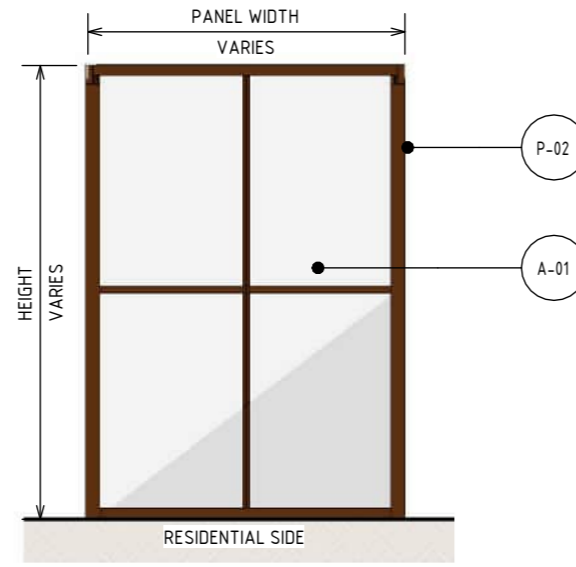
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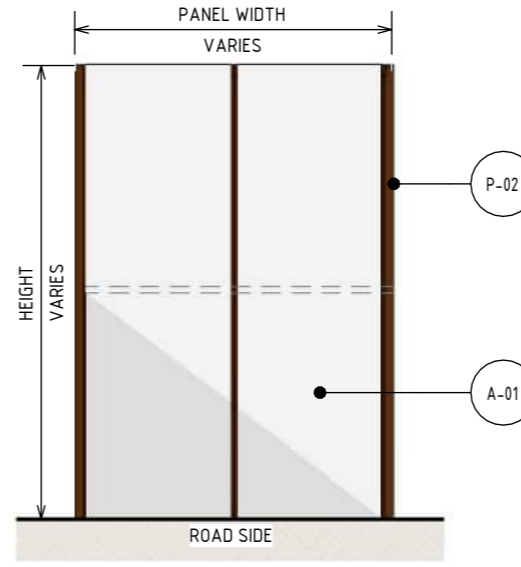
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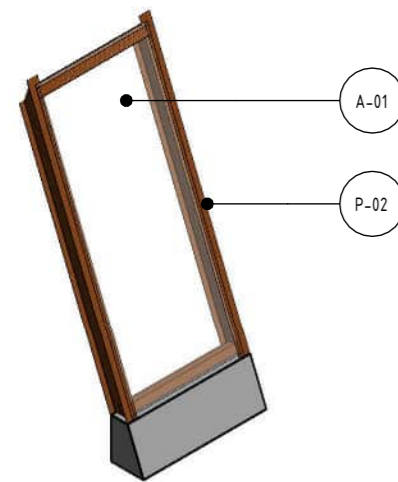
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N.T.S



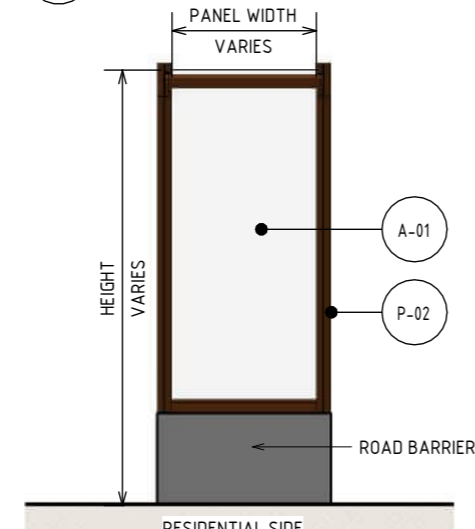
5 ELEVATION 1 - NOISE WALL TYPE B2  
SCALE : 1 : 100



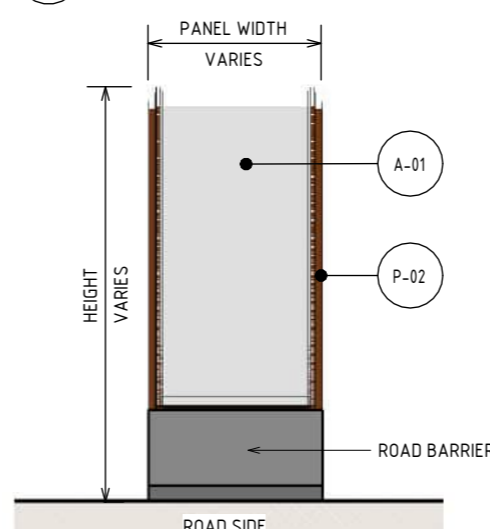
6 ELEVATION 2 - NOISE WALL TYPE B2  
SCALE : 1 : 100



7 ISOMETRIC - NOISE WALL TYPE B3  
N.T.S



8 ELEVATION 1 - NOISE WALL TYPE B3  
SCALE : 1 : 100



9 ELEVATION 2 - NOISE WALL TYPE B3  
SCALE : 1 : 100

### MATERIAL LEGEND

**ACRYLIC FINISHES**

**A-01** TRANSPARENT TINTED ACRYLIC PANEL  
TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYIMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.

**PAINT FINISHES**

**P-02** PAINT OVER STEEL - TYPE 02  
PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

- NOTE:**
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1:100 **DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS**

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REV.	DESCRIPTION	DATE
5	UDLP FINAL SUBMISSION	21/08/24
4	UDLP FINAL SUBMISSION IEA	02/08/24
3	UDLP REVISION 1	29/01/24
2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ROAD INFRASTRUCTURE  
NOISE WALL TYPES - SHEET 02

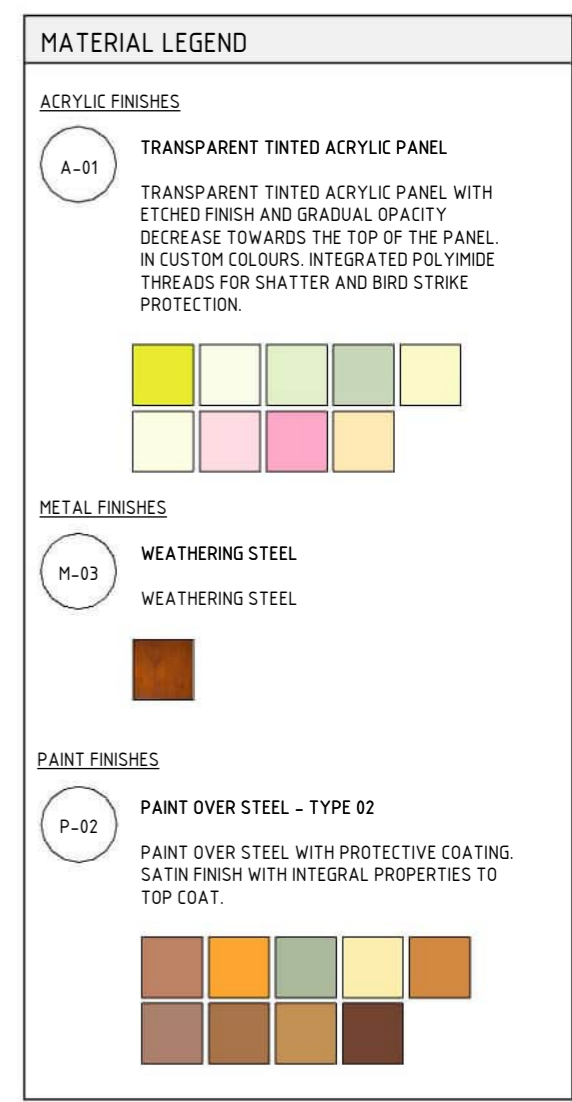
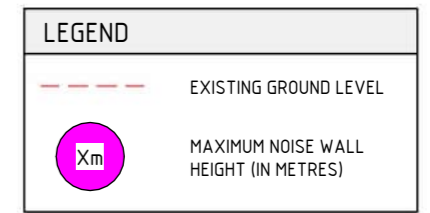
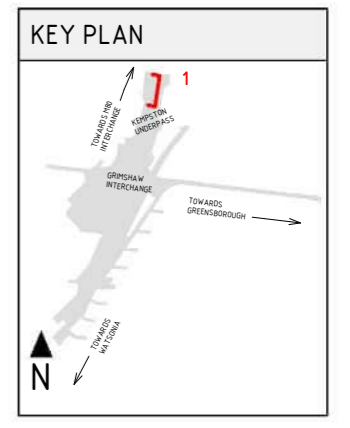
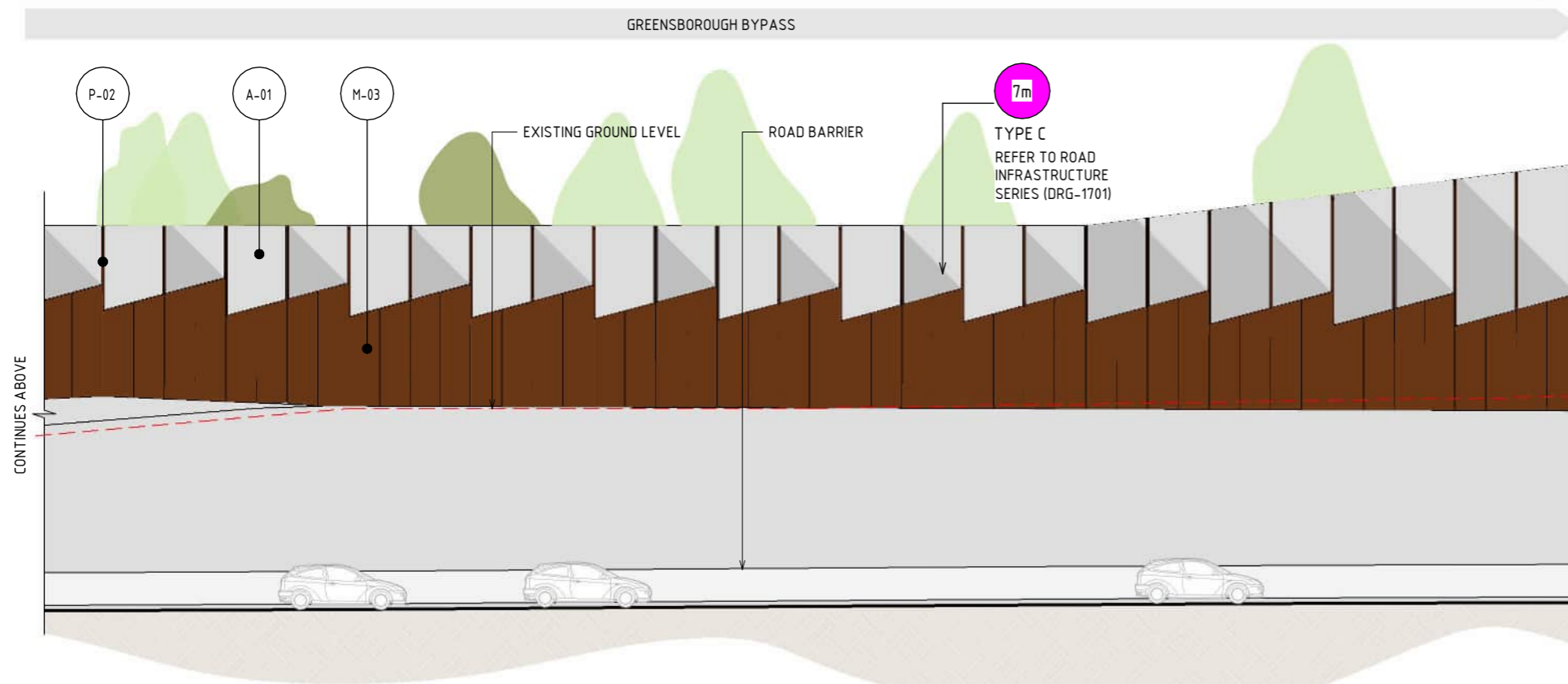
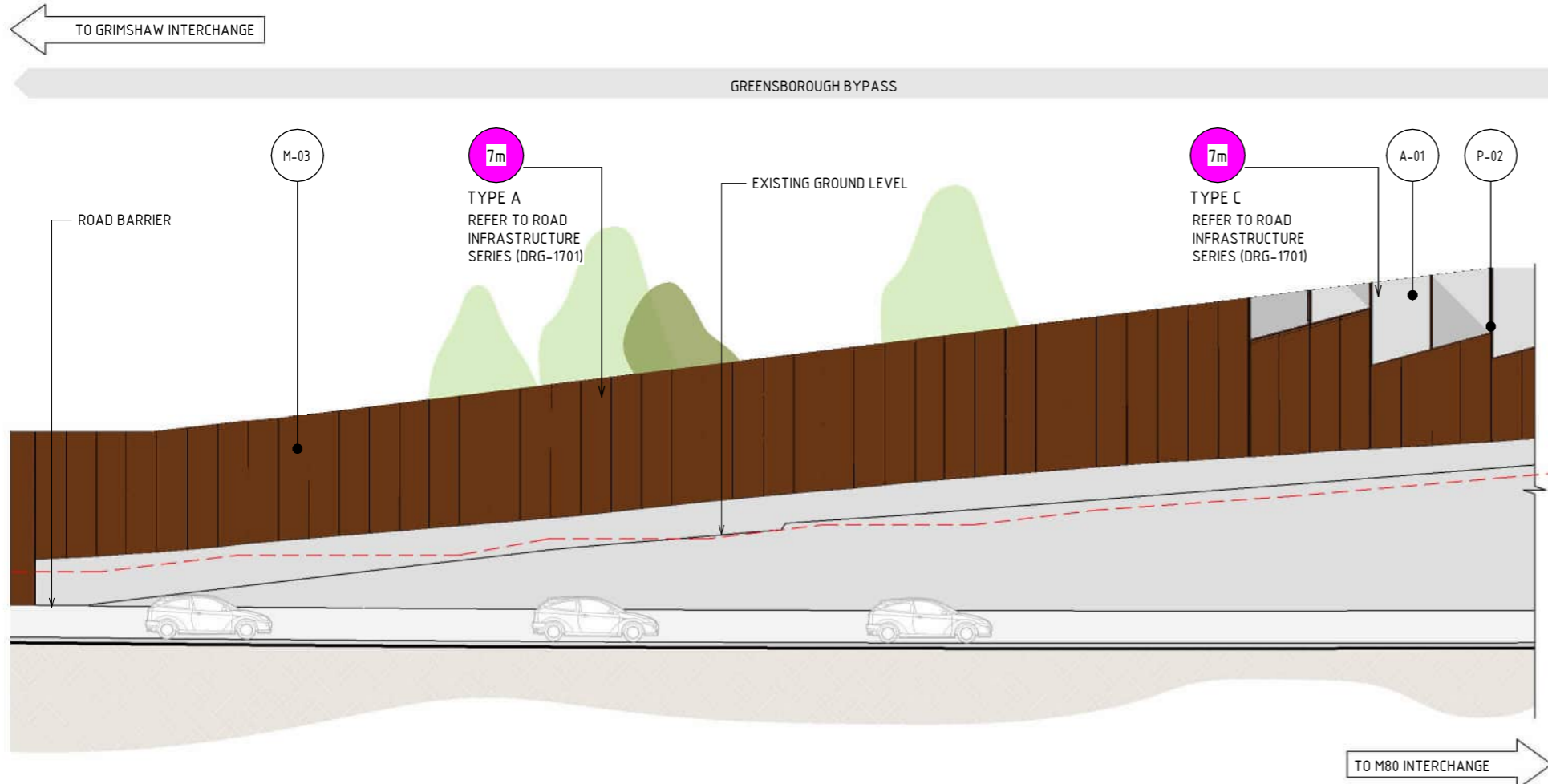
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NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1712

SUIT. CODE: REVISION: 5

Note: \* Indicates signed documents as drawings will not have wet signatures.

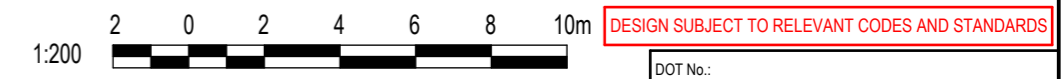




NOTE:

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- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- AREAS OF M80 SHARED USE PATH CONNECTIONS TO LOCAL STREET NETWORK SITED OUTSIDE PROJECT BOUNDARY TO BE PROVIDED IN AGREEMENT WITH NILLUMBIK COUNCIL.

1 ELEVATION - TYPICAL NOISE WALL ARRANGEMENT  
SCALE : 1: 200



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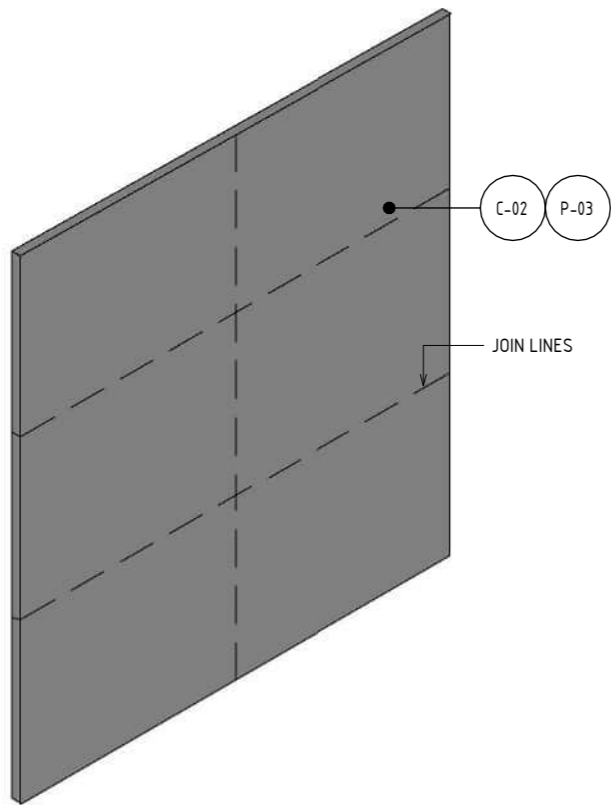
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4	UDLP FINAL SUBMISSION IEA	02/08/24
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NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

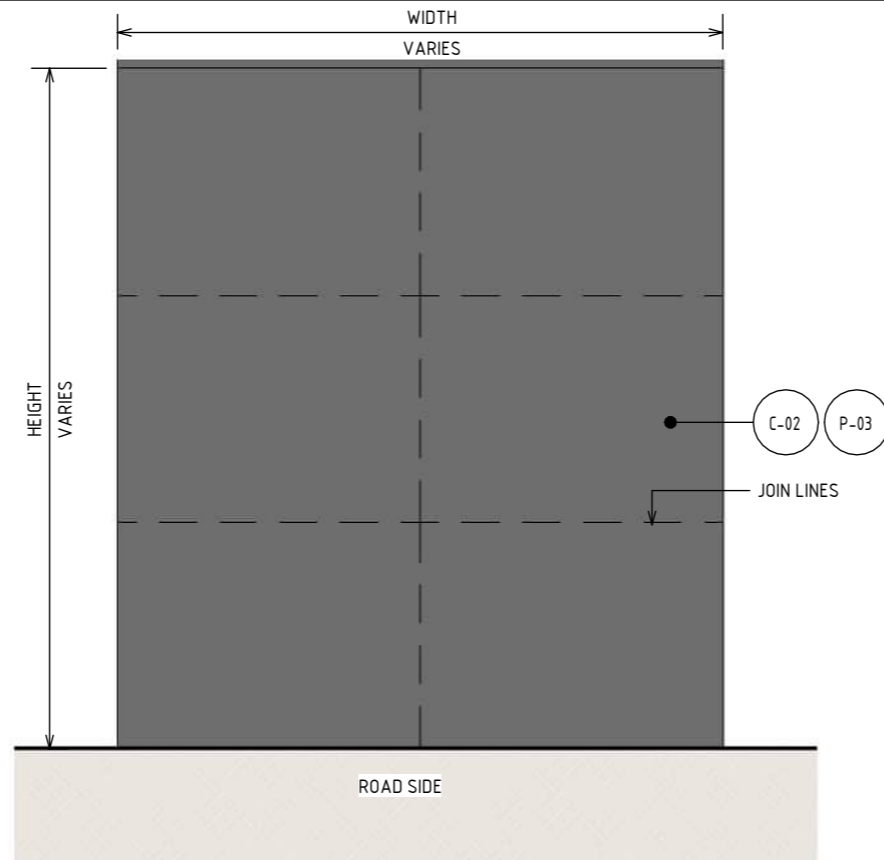
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SCALE: 1:200	CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

<b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ROAD INFRASTRUCTURE NOISE WALL ELEVATIONS - SHEET 01	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1713
SUIT. CODE	REVISION 5





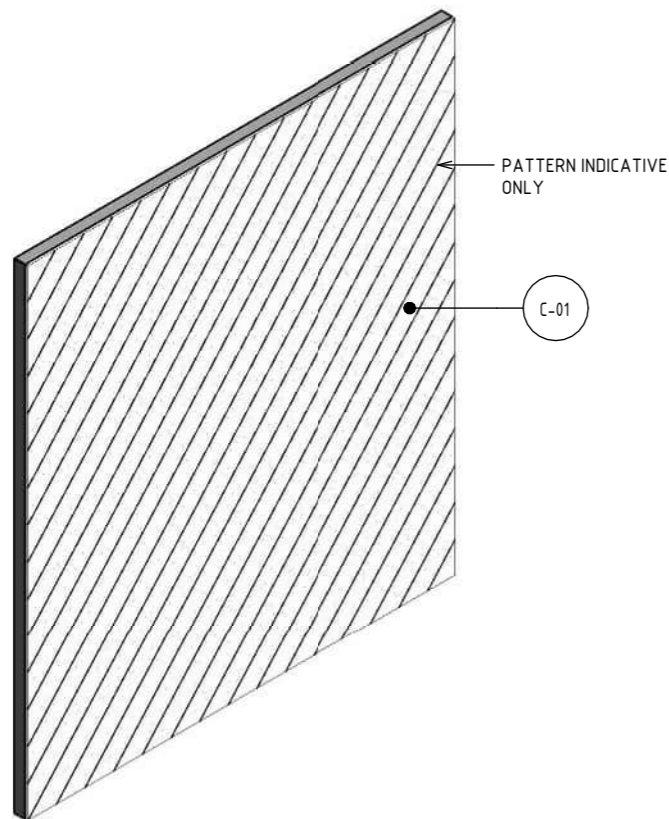
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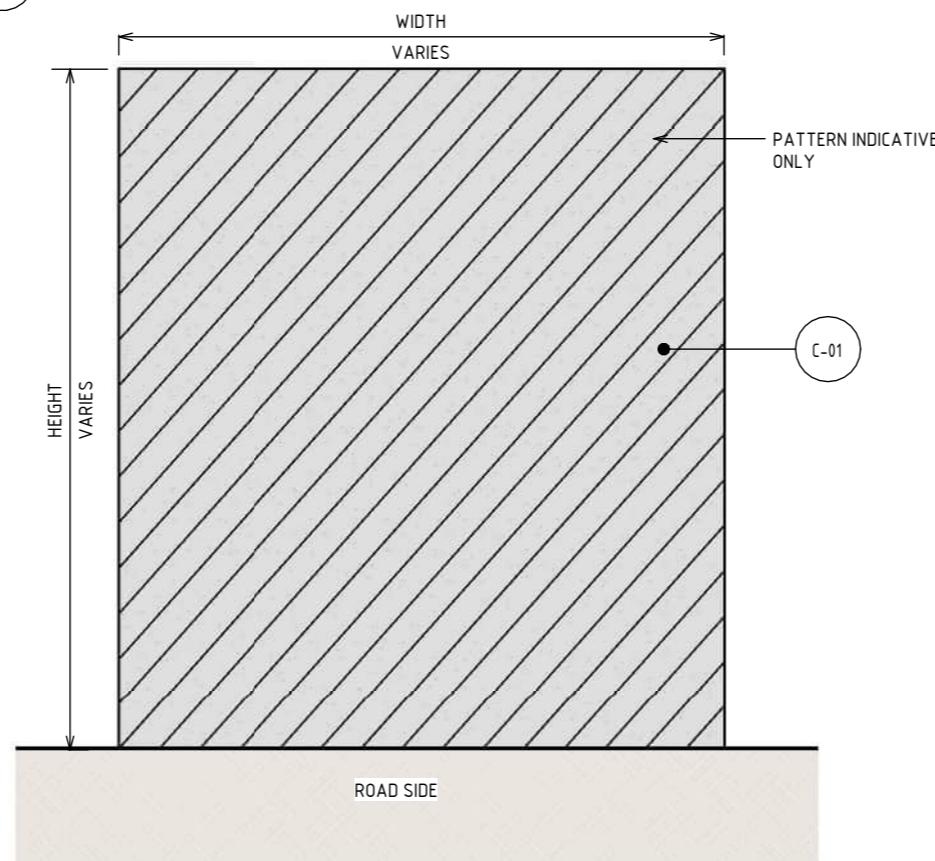
2 ELEVATION - RETAINING WALL TYPE A  
SCALE : 1 : 100

MATERIAL LEGEND	
<b>CONCRETE FINISHES</b>	
C-01	CONCRETE WITH INTEGRAL FINISH
C-02	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.
C-02	SHOTCRETE
	SHOTCRETE FINISH.
<b>PAINT FINISHES</b>	
P-03	PAINT OVER CONCRETE - TYPE 01
	PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

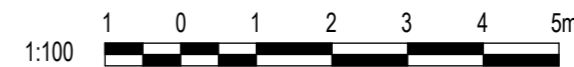
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  - CONTROL JOINTS SHOWN INDICATIVELY. SUBJECT TO DESIGN DEVELOPMENT.
  - ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.



3 ISOMETRIC - RETAINING WALL TYPE B  
N.T.S



4 ELEVATION - RETAINING WALL TYPE B  
SCALE : 1 : 100



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

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VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

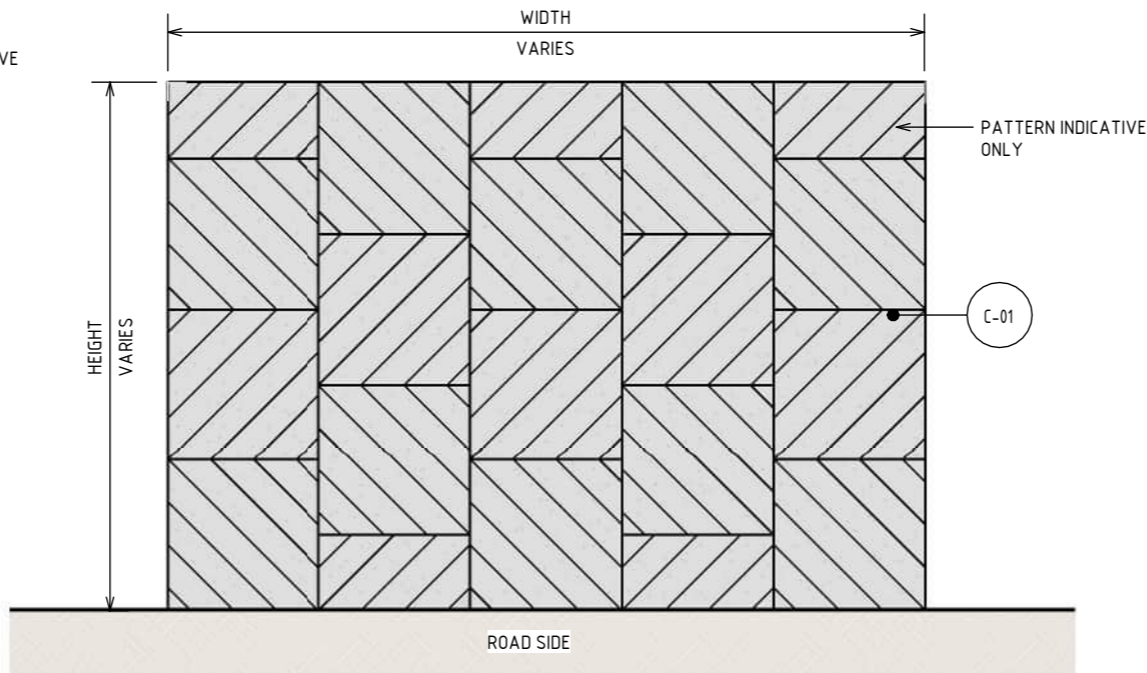
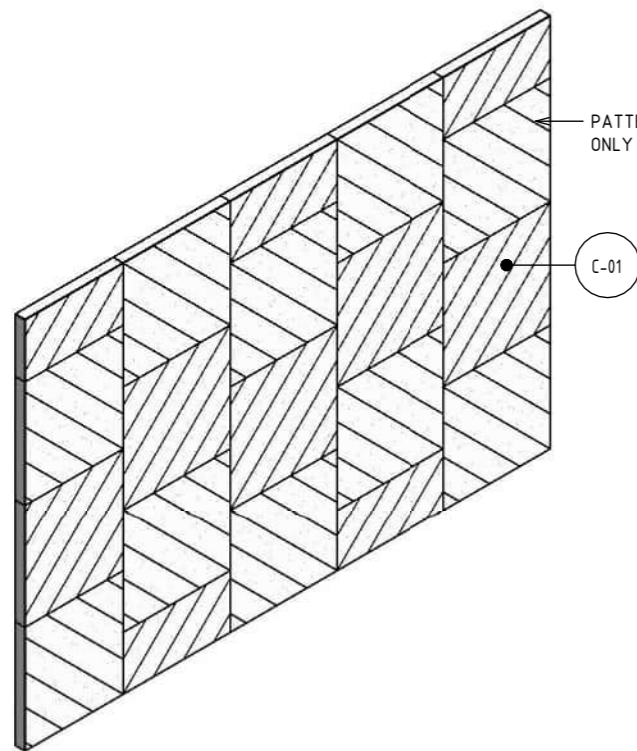
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NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ROAD INFRASTRUCTURE	
RETAINING WALL TYPES - SHEET 01	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1721
SUIT. CODE	REVISION 5

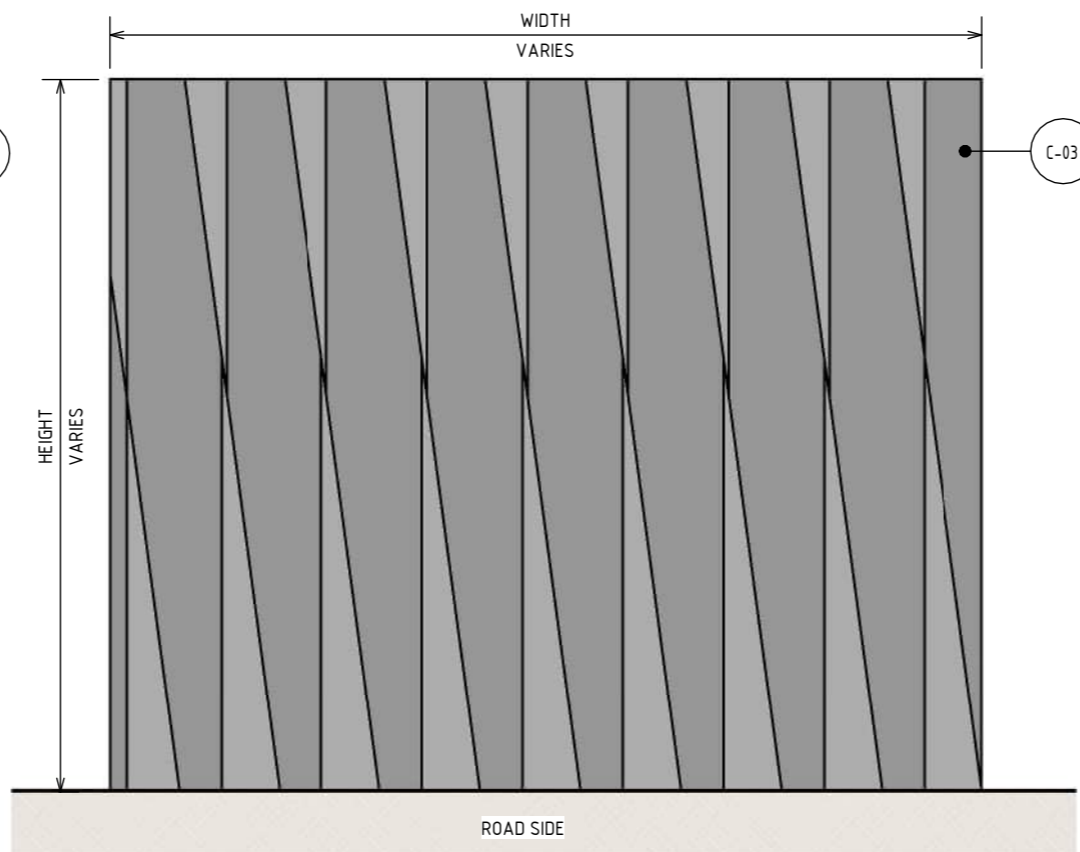




2 ELEVATION - RETAINING WALL TYPE C  
SCALE : 1 : 100

MATERIAL LEGEND	
CONCRETE FINISHES	
C-01	CONCRETE WITH INTEGRAL FINISH
C-01	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.
C-03	PRECAST CONCRETE (TRENCH)
C-03	PRECAST CONCRETE TEXTURED PANEL WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE WITH OXIDE COLOUR.

- NOTE:
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
  - RETAINING WALL DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
  - MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREEN ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
  - ALL MATERIALS, PATTERNS, COLOURS, EXTENT AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSSELL COLOUR CHART.
  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
  - ALL TOP OF RETAINING WALLS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
  - ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
  - CONTROL JOINTS SHOWN INDICATIVELY. SUBJECT TO DESIGN DEVELOPMENT.
  - ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.



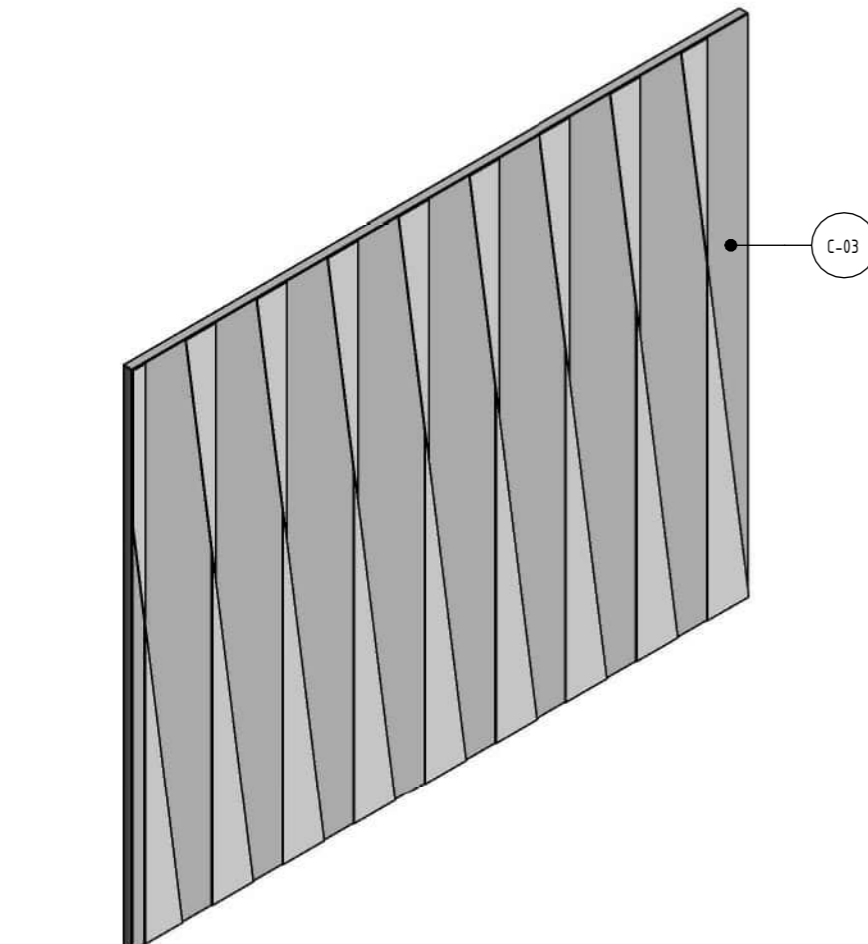
4 ELEVATION - RETAINING WALL TYPE D  
SCALE : 1 : 200



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

1 ISOMETRIC - RETAINING WALL TYPE C  
N.T.S



3 ISOMETRIC - RETAINING WALL TYPE D  
N.T.S

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REV.	DESCRIPTION	DATE
5	UDLP FINAL SUBMISSION	21/08/24
4	UDLP FINAL SUBMISSION IEA	02/08/24
3	UDLP REVISION 1	29/01/24
2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

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DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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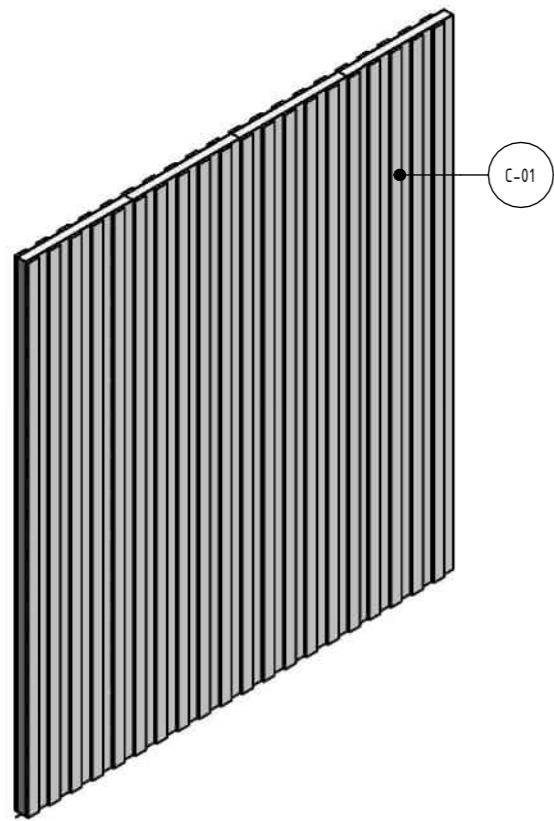


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CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

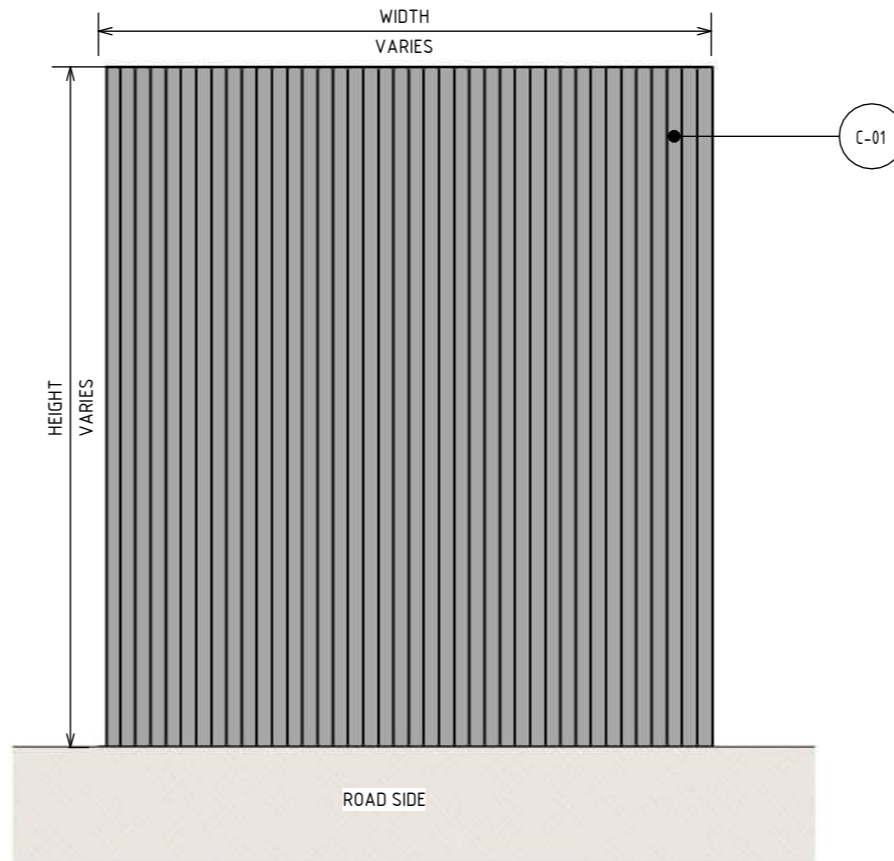
NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
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ROAD INFRASTRUCTURE	
RETAINING WALL TYPES - SHEET 02	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1722
SUIT. CODE	REVISION 5



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1 ISOMETRIC - FLOOD WALL TYPE A  
N.T.S

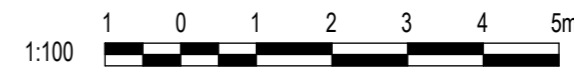


2 ELEVATION - FLOOD WALL TYPE A  
SCALE: 1:100

MATERIAL LEGEND	
CONCRETE FINISHES	
C-01	CONCRETE WITH INTEGRAL FINISH
C-01	CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.

NOTE:

- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- FLOOD WALL DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
- MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- ALL MATERIALS, PATTERNS, COLOURS, EXTENT AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSSELL COLOUR CHART.
- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ALL TOP OF FLOOD WALLS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- ROAD DESIGN, SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

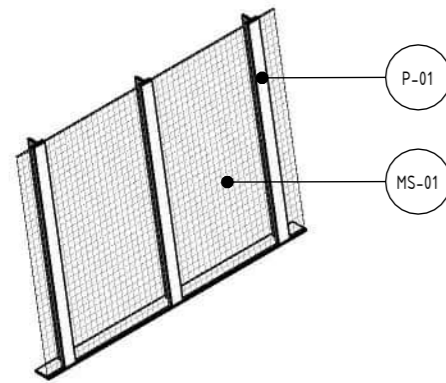
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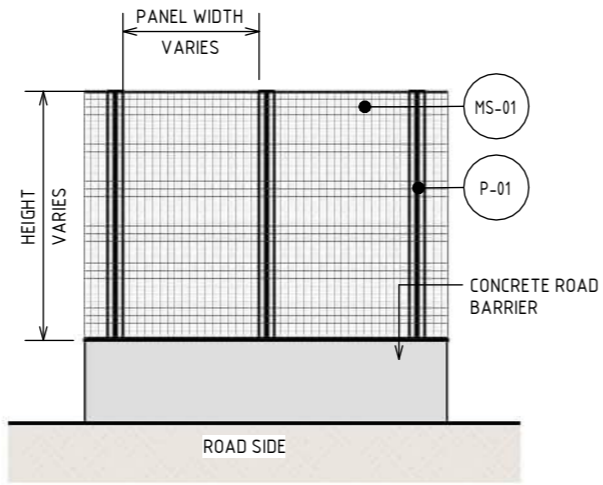
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Note: \* Indicates signed documents as drawings will not have wet signatures.

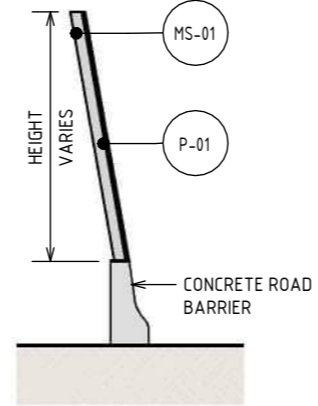




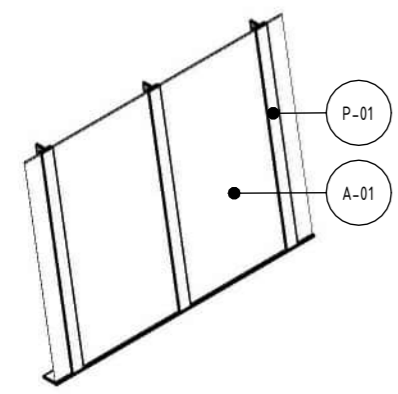
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N.T.S



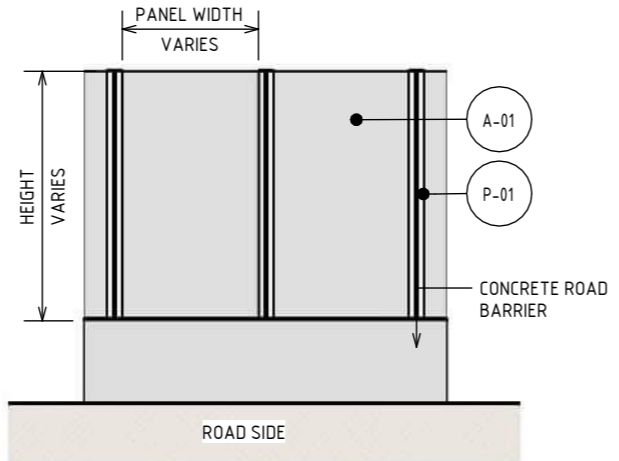
2 ELEVATION - 'ANTI'-THROW SCREEN TYPE A  
SCALE : 1 : 100



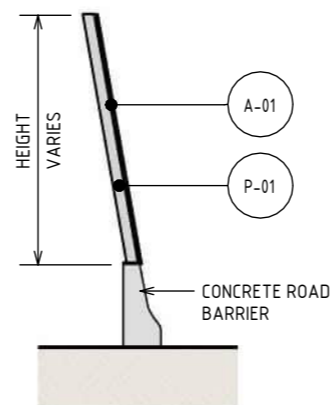
3 SECTION - 'ANTI'-THROW SCREEN TYPE A  
SCALE : 1 : 100



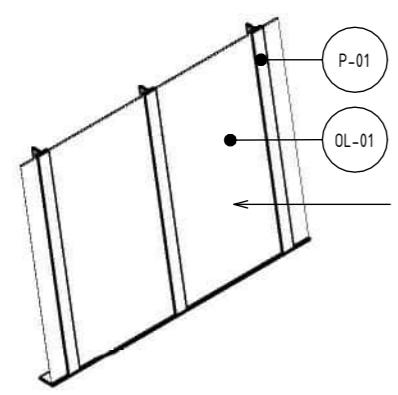
4 ISOMETRIC - 'ANTI'-THROW SCREEN TYPE B  
N.T.S



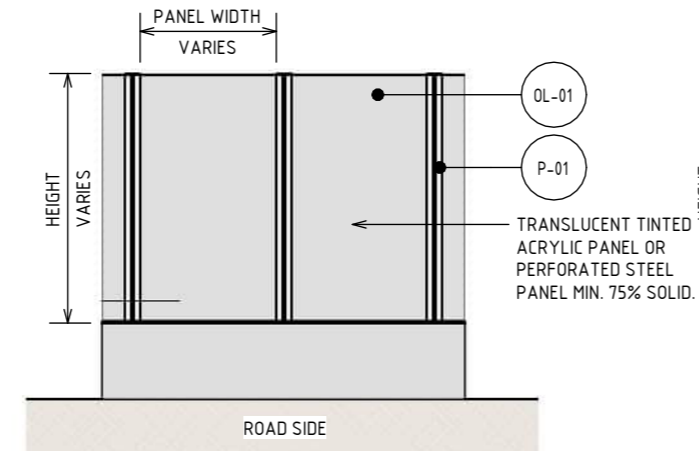
5 ELEVATION - 'ANTI'-THROW SCREEN TYPE B  
SCALE : 1 : 100



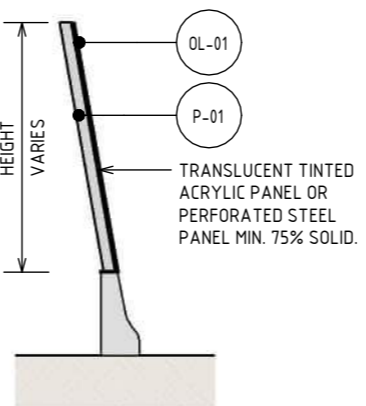
6 SECTION - 'ANTI'-THROW SCREEN TYPE B  
SCALE : 1 : 100



7 ISOMETRIC - OVERLOOKING SCREEN TYPE C  
N.T.S



8 ELEVATION - OVERLOOKING SCREEN TYPE C  
SCALE : 1 : 100



9 SECTION - OVERLOOKING SCREEN TYPE C  
SCALE : 1 : 100

NOTE:

- OVERLOOKING SCREEN TYPE MATERIALS AND EXTENT OF APPLICATION ARE TO BE FINALISED IN DETAILED DESIGN IN CONSULTATION WITH DIRECTLY IMPACTED PROPERTIES TO ACHIEVE COMPLIANCE WITH THE REQUIREMENTS OF EPR LP4.
- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- SCREEN DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
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- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ALL TOP OF SCREENS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.

MATERIAL LEGEND

**ACRYLIC FINISHES**

A-01 TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. INTEGRATED POLYIMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.

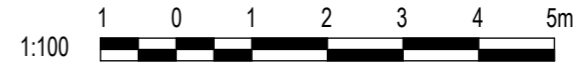
OL-01 TRANSLUCENT TINTED ACRYLIC OR PERFORATED STEEL PANEL. TRANSLUCENT TINTED ACRYLIC PANEL, INTEGRATED POLYIMIDE OR PERFORATED STAINLESS STEEL PANEL TO CUSTOM MANUFACTURED SHAPES.

**PAINT FINISHES**

P-01 PAINT OVER STEEL - TYPE 01. PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

**MESH FINISHES**

MS-01 WIRE MESH PROTECTION SCREEN. WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.



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4	UDLP FINAL SUBMISSION IEA	02/08/24
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1	PUBLIC EXHIBITION	25/09/23

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DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
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Scale: AS SHOWN

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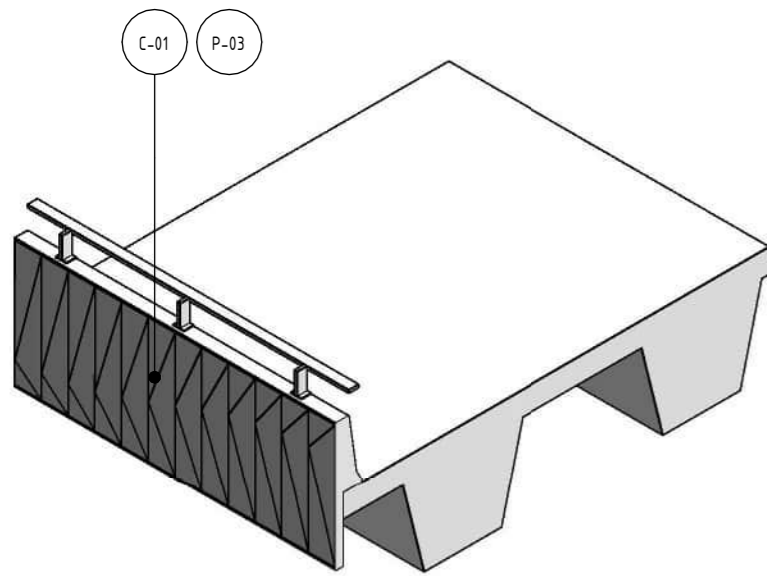
**NORTH EAST LINK PROGRAM**  
 RING ROAD COMPLETION  
 ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
 ROAD INFRASTRUCTURE  
 SCREEN TYPES - SHEET 01

PROJECT CONTRACT: NORTH

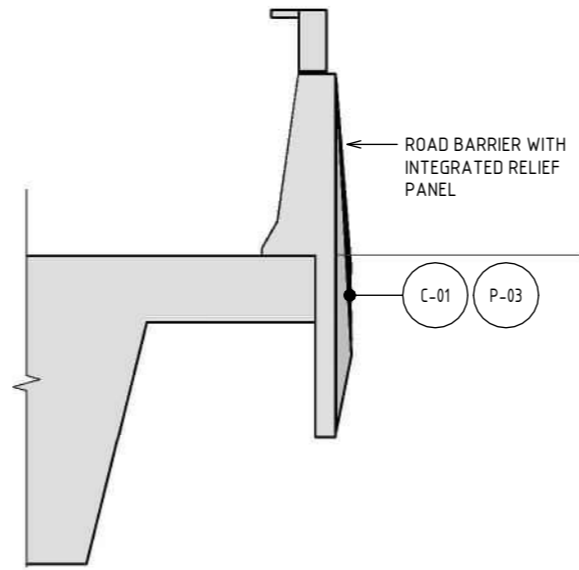
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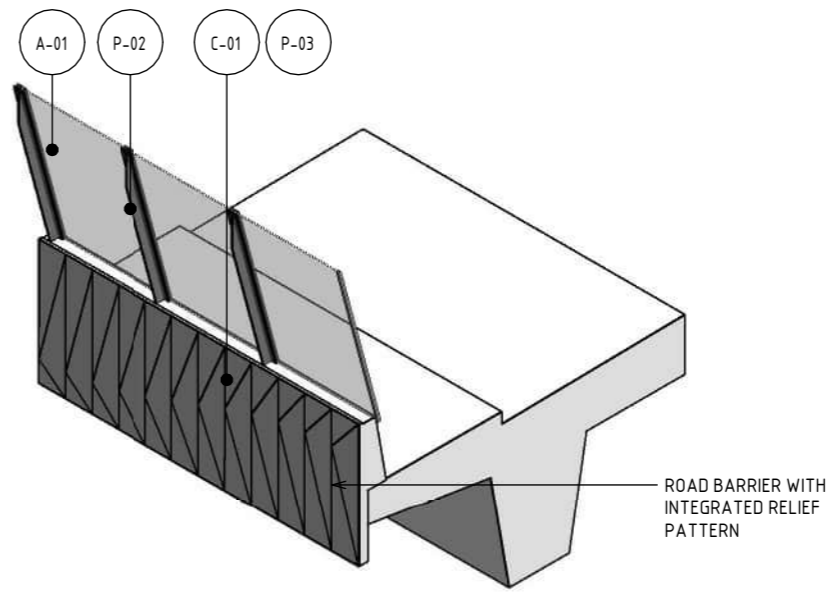




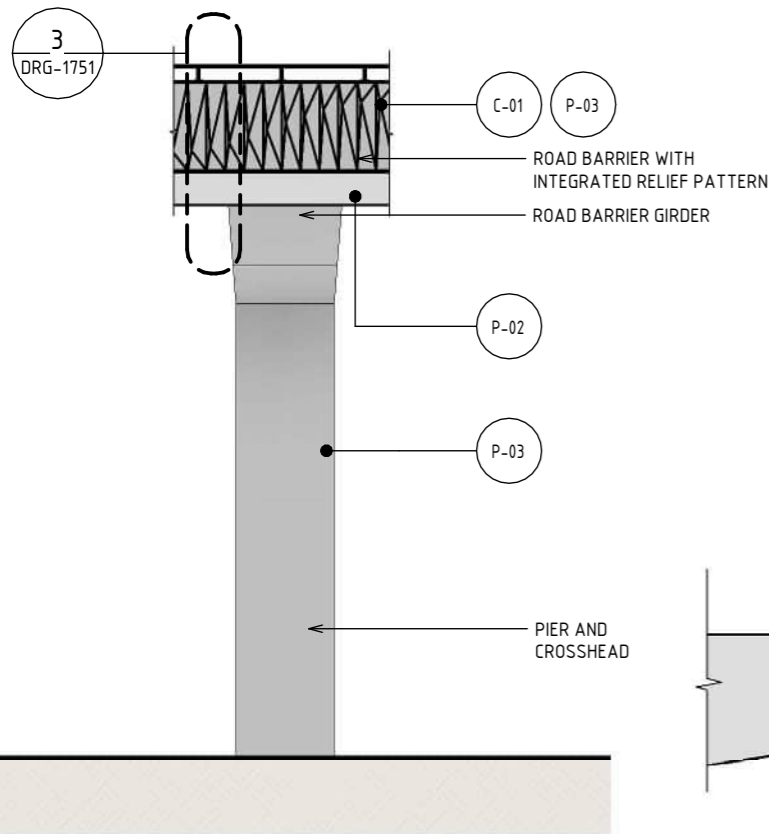
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N.T.S



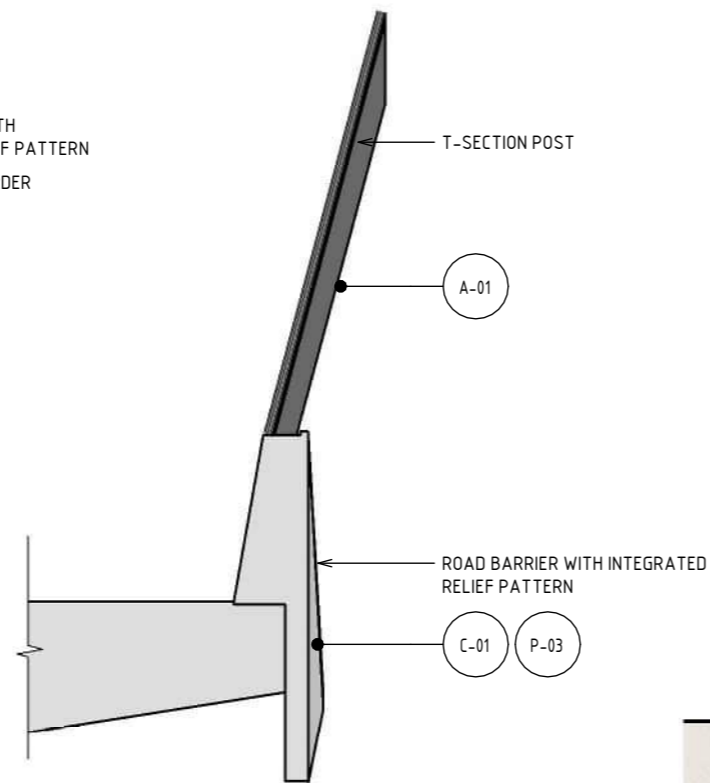
3 DETAIL - BRIDGE BARRIER M80 TYPE A  
SCALE : 1: 50



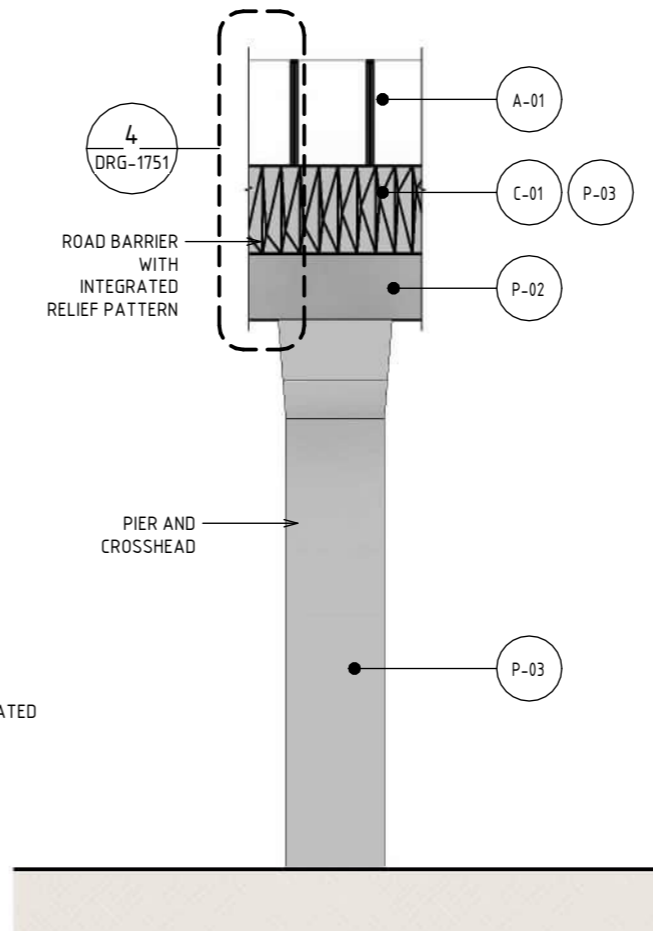
5 ISOMETRIC - BRIDGE EDGE BARRIER TYPE A2  
N.T.S



2 ELEVATION - BRIDGE BARRIER M80 TYPE A  
SCALE : 1: 200



4 DETAIL - BRIDGE BARRIER M80 TYPE A2  
SCALE : 1: 50



6 ELEVATION - BRIDGE BARRIER M80 TYPE A2  
SCALE : 1: 200

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- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- CONTROL JOINTS SHOWN INDICATIVELY. SUBJECT TO DESIGN DEVELOPMENT.
- ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.

MATERIAL LEGEND

ACRYLIC FINISHES

A-01 TRANSPARENT TINTED ACRYLIC PANEL

TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYIMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.

CONCRETE FINISHES

C-01 CONCRETE WITH INTEGRAL FINISH

CONCRETE WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE.

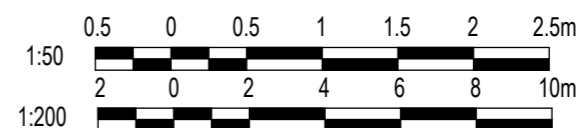
PAINT FINISHES

P-02 PAINT OVER STEEL - TYPE 02

PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

P-03 PAINT OVER CONCRETE - TYPE 01

PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.



DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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**NORTH EAST LINK PROGRAM**  
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ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ROAD INFRASTRUCTURE  
BRIDGE BARRIER TYPES - SHEET 01

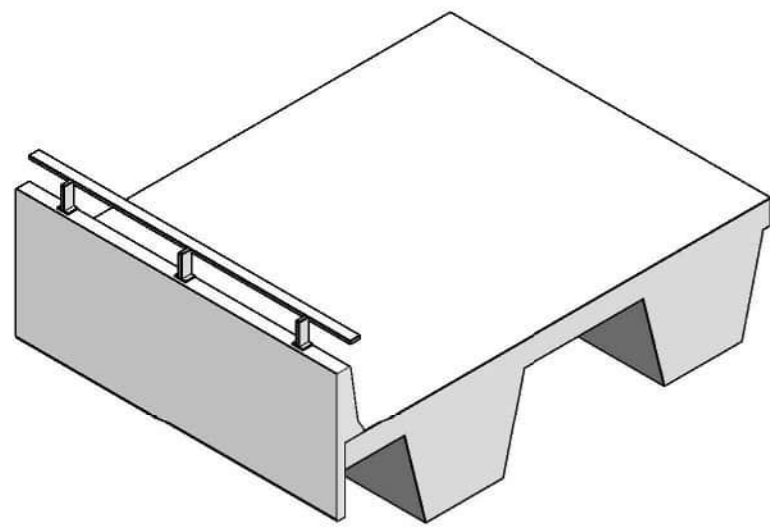
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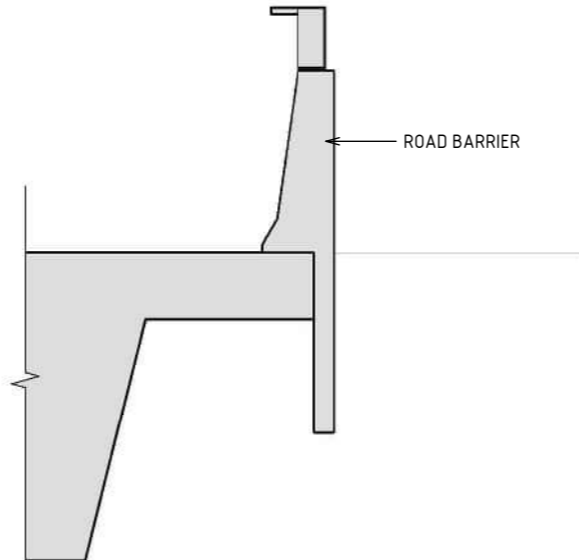
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REVISION: 5

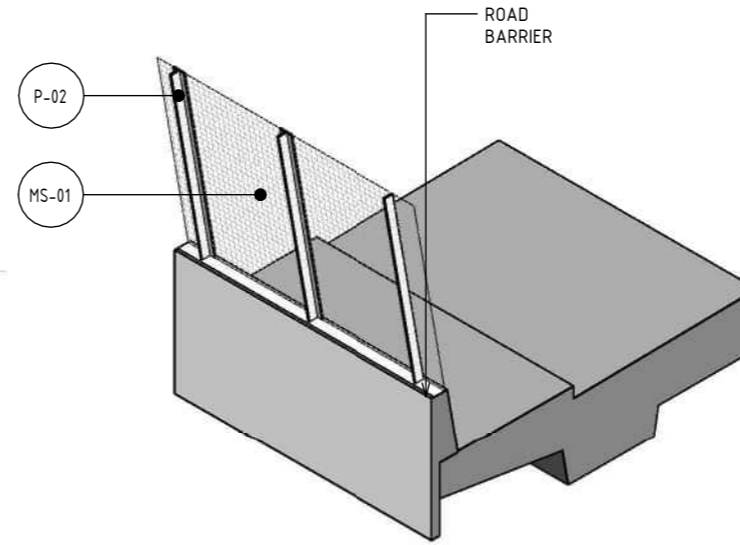




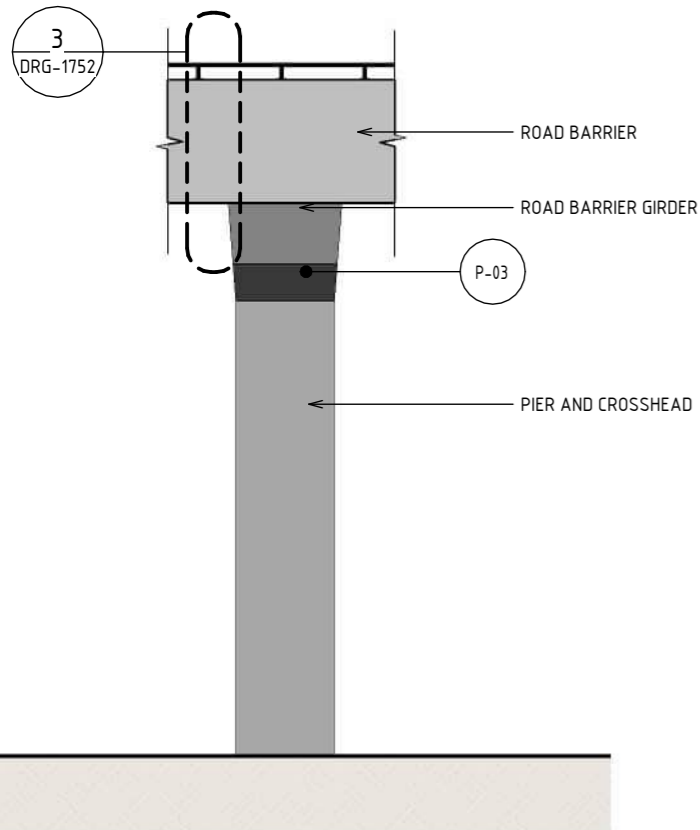
1 ISOMETRIC - BRIDGE EDGE BARRIER TYPE B  
N.T.S



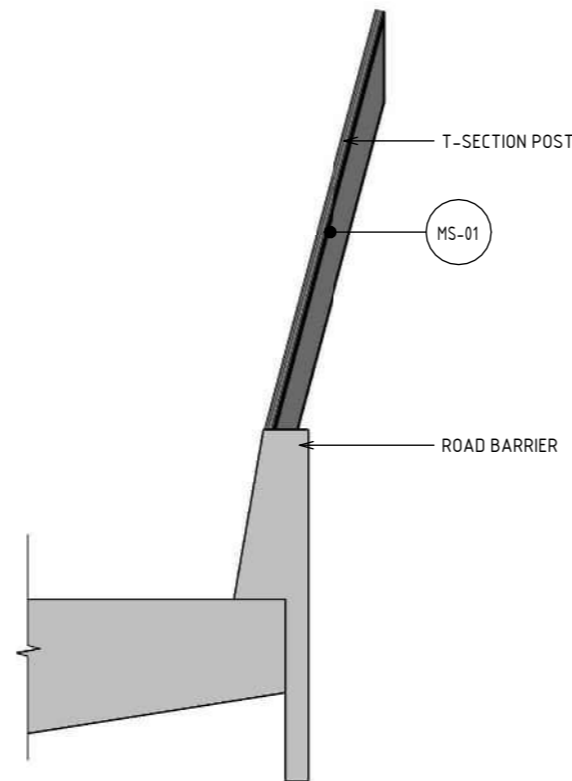
3 DETAIL - BRIDGE BARRIER M80 TYPE B  
SCALE : 1 : 50



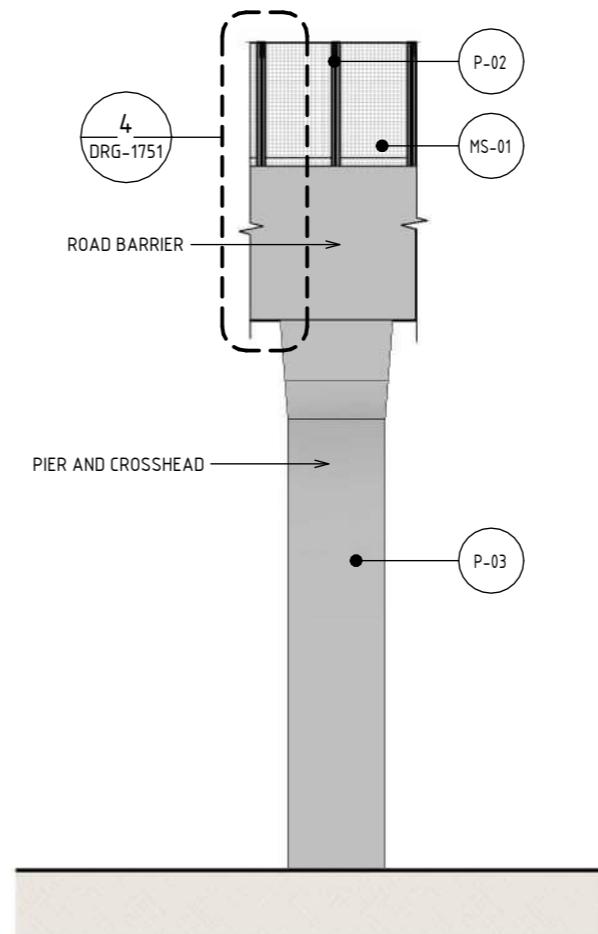
5 ISOMETRIC - BRIDGE EDGE BARRIER TYPE B2  
N.T.S



2 ELEVATION - BRIDGE BARRIER M80 TYPE B  
SCALE : 1 : 200



4 DETAIL - BRIDGE BARRIER M80 TYPE B2  
SCALE : 1 : 50



6 ELEVATION - BRIDGE BARRIER M80 TYPE B2  
SCALE : 1 : 200

MATERIAL LEGEND

MESH FINISHES

- MS-01 WIRE MESH PROTECTION SCREEN
- WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

PAINT FINISHES

- P-02 PAINT OVER STEEL - TYPE 02
- PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.



- P-03 PAINT OVER CONCRETE - TYPE 01

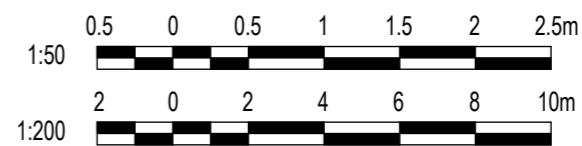
PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.



NOTE:

- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- ROAD BARRIER DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
- MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- ALL MATERIALS, PATTERNS, COLOURS, EXTENT AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSSELL COLOUR CHART.
- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ALL TOP OF NOISE WALLS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS



DOT No.:

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5	UDLP FINAL SUBMISSION	21/08/24
4	UDLP FINAL SUBMISSION IEA	02/08/24
3	UDLP REVISION 1	29/01/24
2	UDLP IEA REVIEW	21/12/23
1	PUBLIC EXHIBITION	25/09/23

NAME	DATE
DRAFTING CHECKED BY: E. CASTILLO	21/08/24
DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

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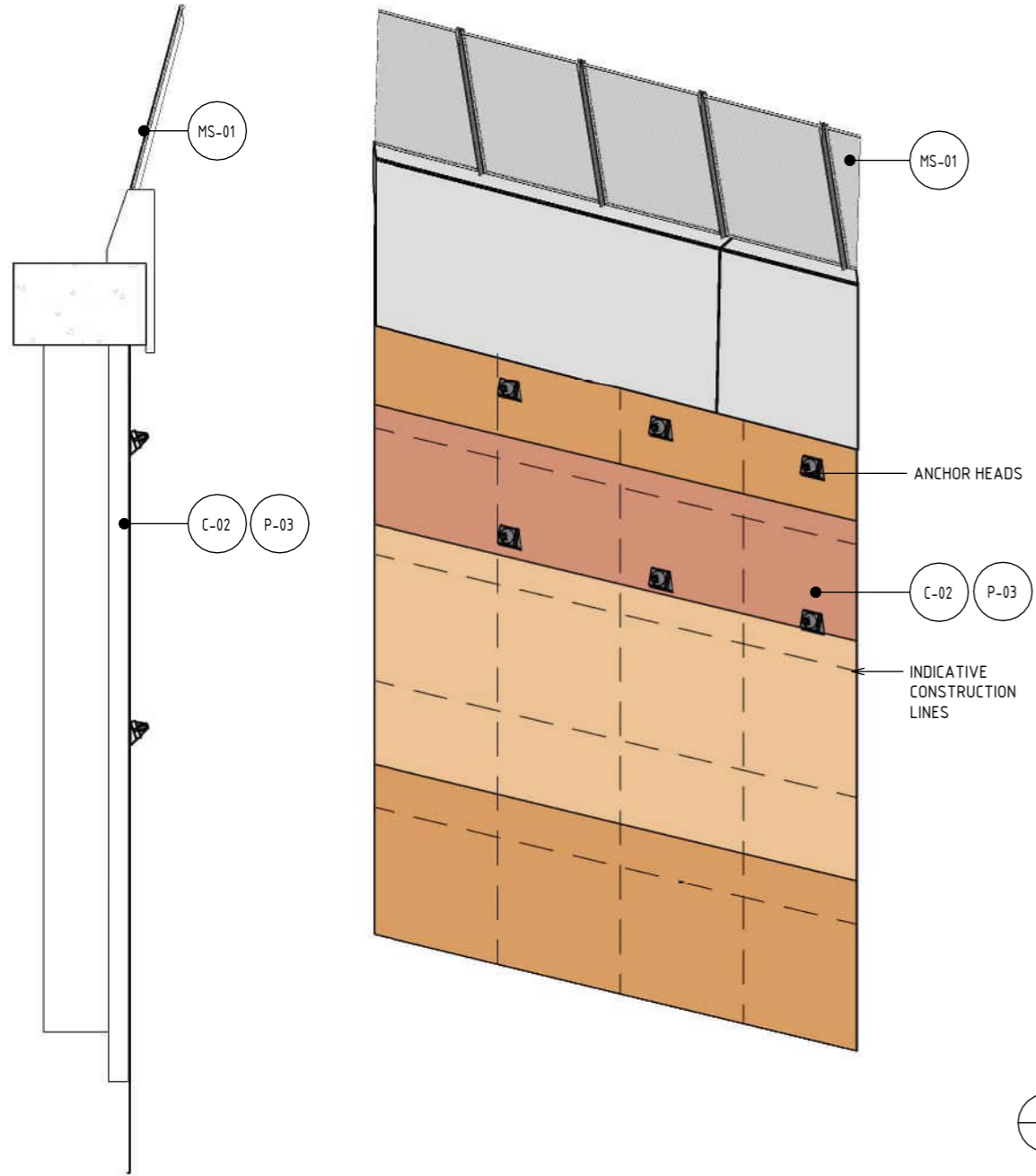


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CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

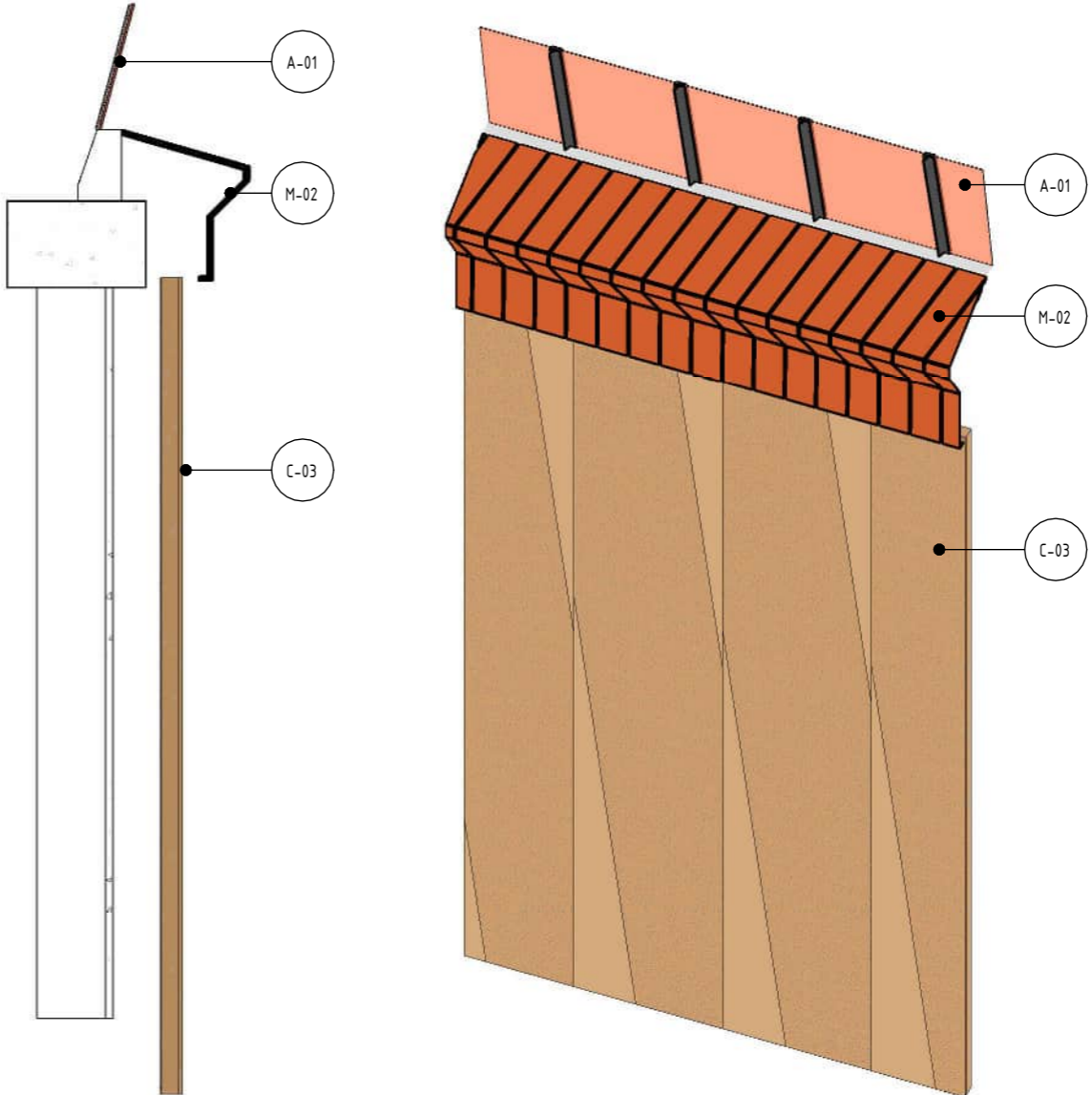
NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ROAD INFRASTRUCTURE	
BRIDGE BARRIER TYPES - SHEET 02	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1752
SUIT. CODE	REVISION 5



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**3** **DETAIL - WATSONIA TRENCH**  
SCALE : 1:100



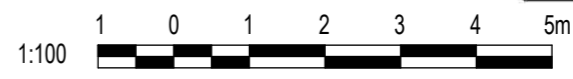
**4** **ISOMETRIC - WATSONIA TRENCH**  
N.T.S

**1** **DETAIL - WATSONIA TRENCH**  
SCALE : 1:100

**2** **ISOMETRIC - WATSONIA TRENCH**  
N.T.S

**NOTE:**

- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, NOISE WALLS, RETAINING WALLS AND SCREENS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- NOISE WALL DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
- MAXIMUM HEIGHT OF NOISE WALLS, RETAINING WALLS AND SCREENS ARE SHOWN AND SUBJECT TO DESIGN DEVELOPMENT.
- ALL MATERIALS, PATTERNS, COLOURS AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSELL COLOUR CHART.
- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ALL TOP OF NOISE WALLS TO BE TAPERED TO ALLOW FOR CONTINUOUS HEIGHT TRANSITIONS.
- ALLOWANCE TO BE MADE FOR COLOURATION GRADIENT IN ACRYLIC.
- CONTROL JOINTS SHOWN INDICATIVELY. SUBJECT TO DESIGN DEVELOPMENT.



**MATERIAL LEGEND**

**ACRYLIC FINISHES**

**A-01** **TRANSPARENT TINTED ACRYLIC PANEL**  
TRANSPARENT TINTED ACRYLIC PANEL WITH ETCHED FINISH AND GRADUAL OPACITY DECREASE TOWARDS THE TOP OF THE PANEL. IN CUSTOM COLOURS. INTEGRATED POLYIMIDE THREADS FOR SHATTER AND BIRD STRIKE PROTECTION.

**METAL FINISHES**

**M-02** **SOLID ALUMINIUM PANEL**  
SOLID ALUMINIUM PANEL TO CUSTOM ARCHITECTURAL PROFILE WITH SATIN PVDF FINISH, IN CUSTOM COLOURS. FULL HEIGHT CLEAR NON SACRIFICIAL, NON-FILM FORMING COATING.  
*NOTE- TO MATCH TUNNELS UDLP*

**CONCRETE FINISHES**

**C-02** **SHOTCRETE**  
OFF GUN SHOTCRETE FINISH.

**C-03** **PRECAST CONCRETE (TRENCH)**  
PRECAST CONCRETE TEXTURED PANEL WITH INTEGRAL ARCHITECTURAL REVEAL. FROM CUSTOM TYPE RESIN/RUBBER FABRICATED FORM LINE WITH OXIDE COLOUR.

**PAINT FINISHES**

**P-03** **PAINT OVER CONCRETE - TYPE 01**  
PAINT OVER CONCRETE WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL ANTI-GRAFFITI PROPERTIES TO ANTI-CARBONATION TOP COAT. ALL COATINGS SHALL MEET THE REQUIREMENT OF VICROADS SPECIFICATION SECTION 685. FINAL DESIGN SUBJECT TO WURUNDJERI CODESIGN INPUT.

**MESH FINISHES**

**MS-01** **WIRE MESH PROTECTION SCREEN**  
WIRE MESH PROTECTION SCREEN TO CUSTOM MANUFACTURED SHAPES. STAINLESS STEEL FINISH.

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

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ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

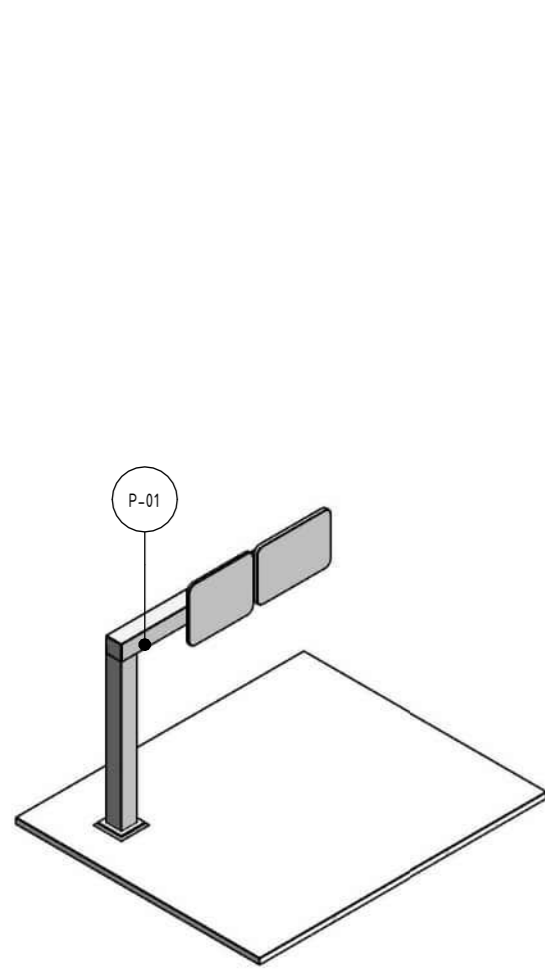
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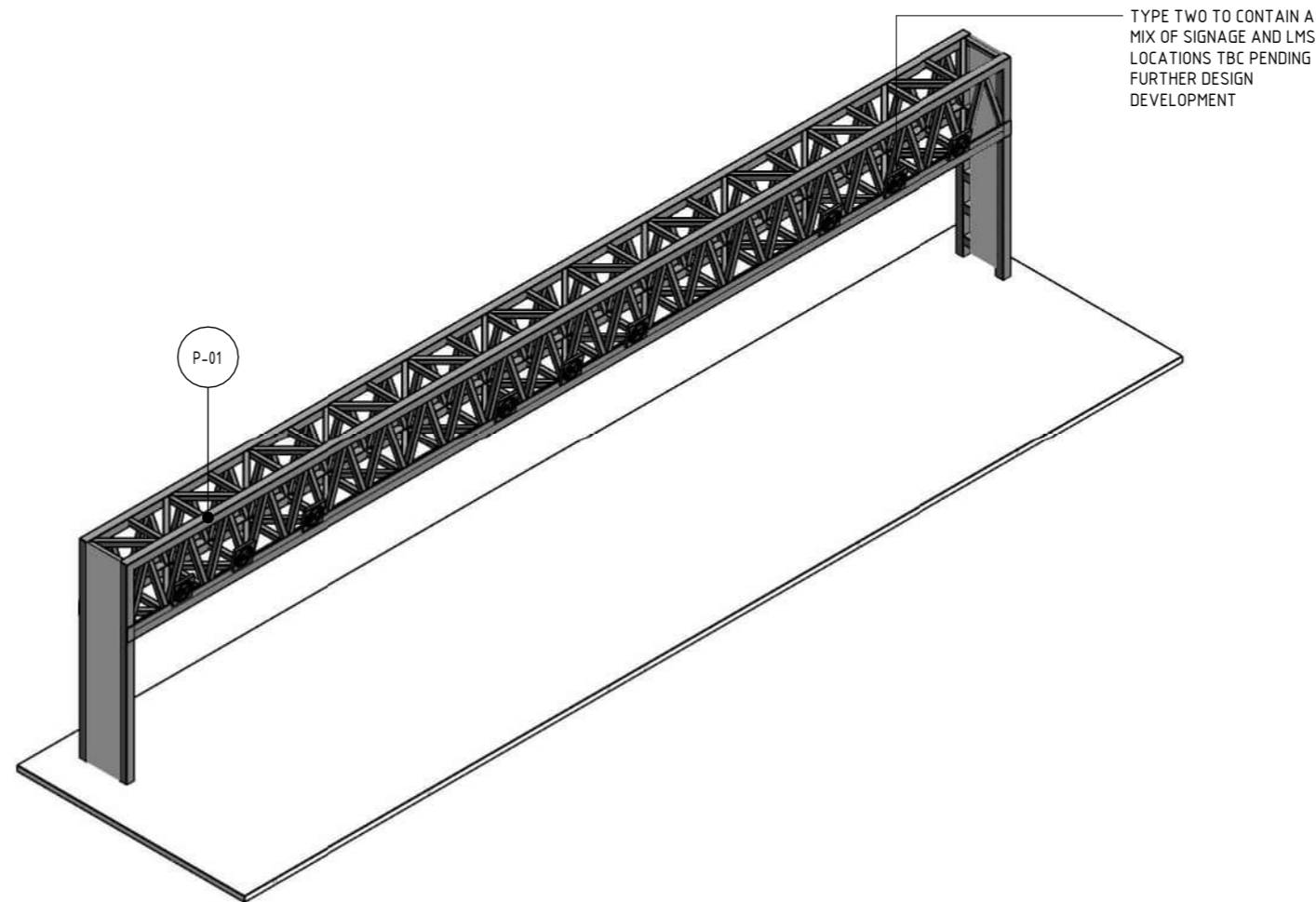
**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
**ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN**  
ROAD INFRASTRUCTURE  
BRIDGE BARRIER TYPES - SHEET 03

PROJECT CONTRACT: NORTH  
NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1753  
SUIT. CODE: REVISION 5

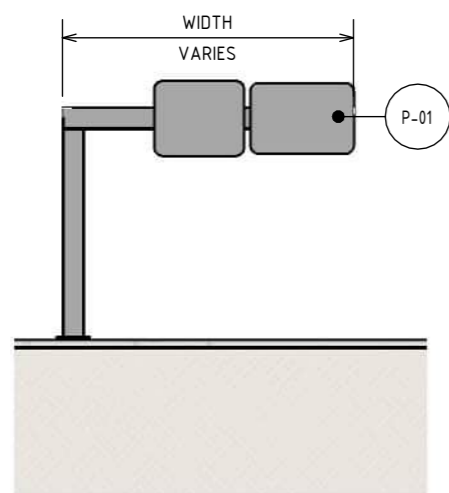




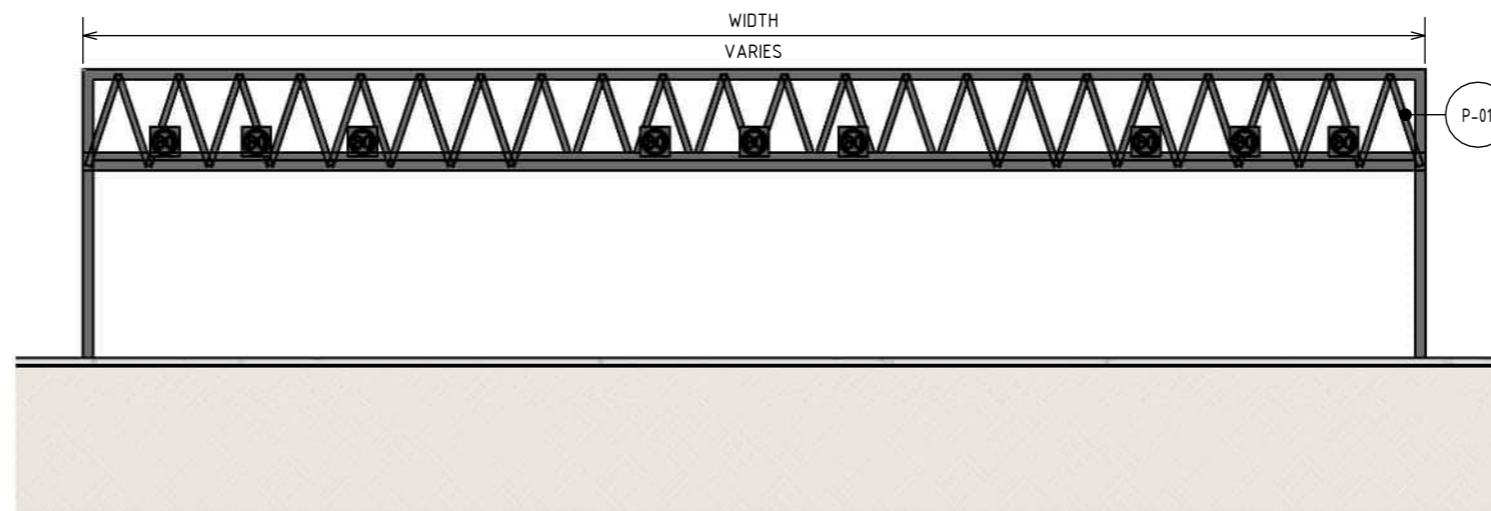
1 ISOMETRIC - GANTRY TYPE 1 CANTILEVER  
N.T.S



2 ISOMETRIC - GANTRY TYPE 2 THROUGH TRUSS NON-ACCESSIBLE  
N.T.S



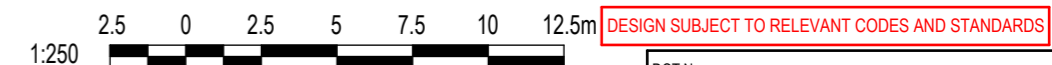
3 ELEVATION - GANTRY TYPE 1 CANTILEVER  
SCALE : 1 : 250



4 ELEVATION - GANTRY TYPE 2 THROUGH TRUSS NON-ACCESSIBLE  
SCALE : 1 : 250

MATERIAL LEGEND	
PAINT FINISHES	
P-01	PAINT OVER STEEL - TYPE 01
	PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.

- NOTE:
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  - GANTRY DESIGN SUBJECT TO FINAL ENGINEERING ADVICE. DETAILED DESIGN TO CONFIRM PARAMETERS FOR THESE STRUCTURES INCLUDING LOCATION, FINAL DESIGN AND MATERIALS.
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  - A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
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DESIGNED BY: M. SPYROPOULOS	21/08/24
ENGINEERING CHECKED BY: M. FERNANDO	21/08/24
VERIFIED BY: L. ANDERSON	21/08/24
APPROVED BY: Z. CVITKOVIC	21/08/24

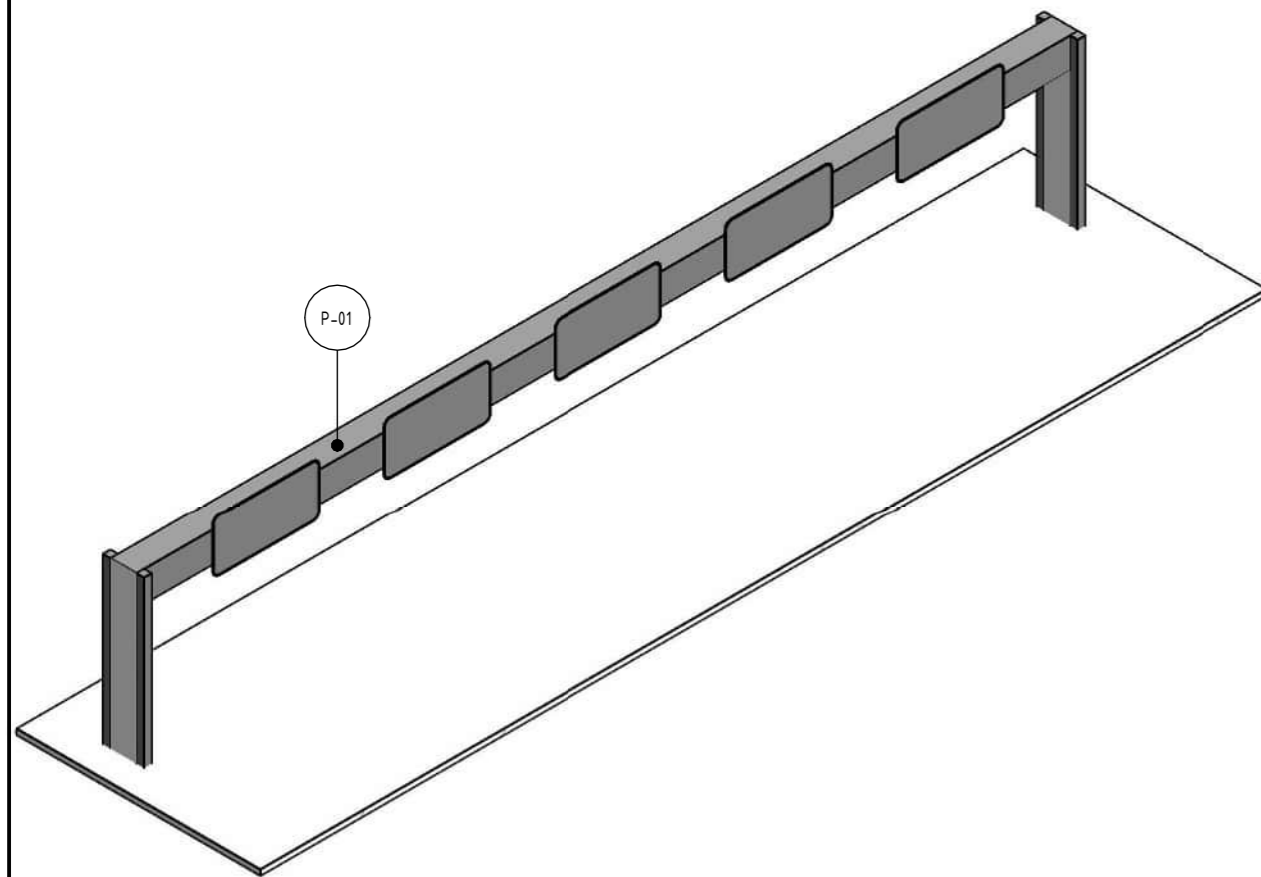
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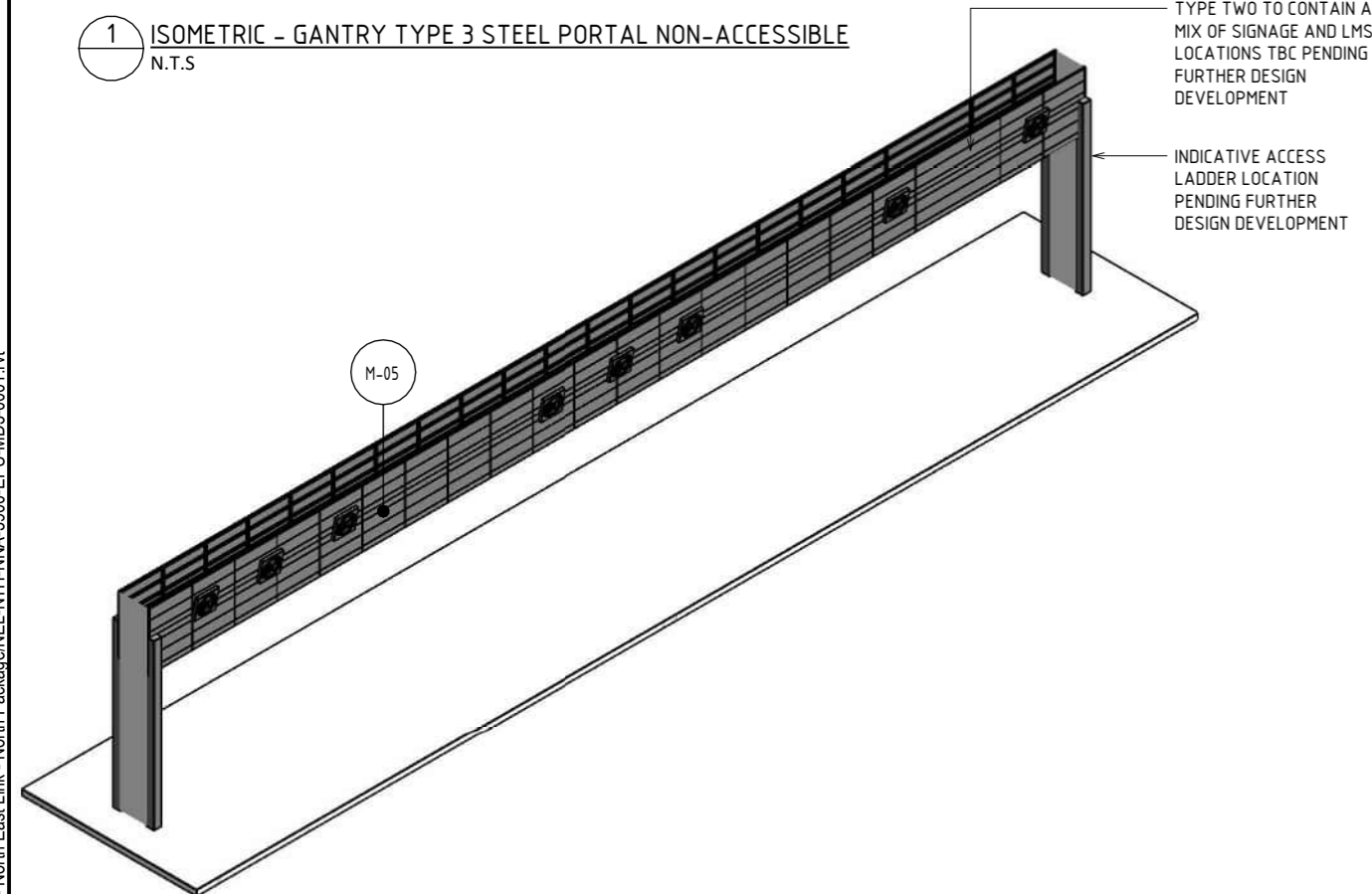
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 CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

NORTH EAST LINK PROGRAM	
RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN	
ROAD INFRASTRUCTURE	
GANTRY TYPES - SHEET 01	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1761
SUIT. CODE	REVISION 5

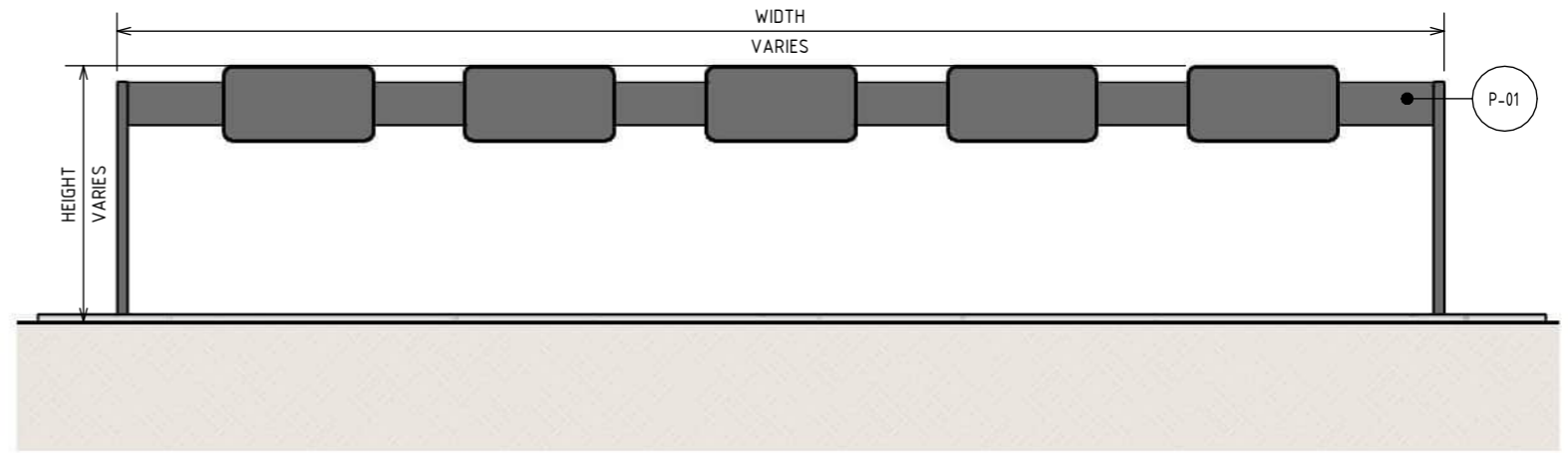




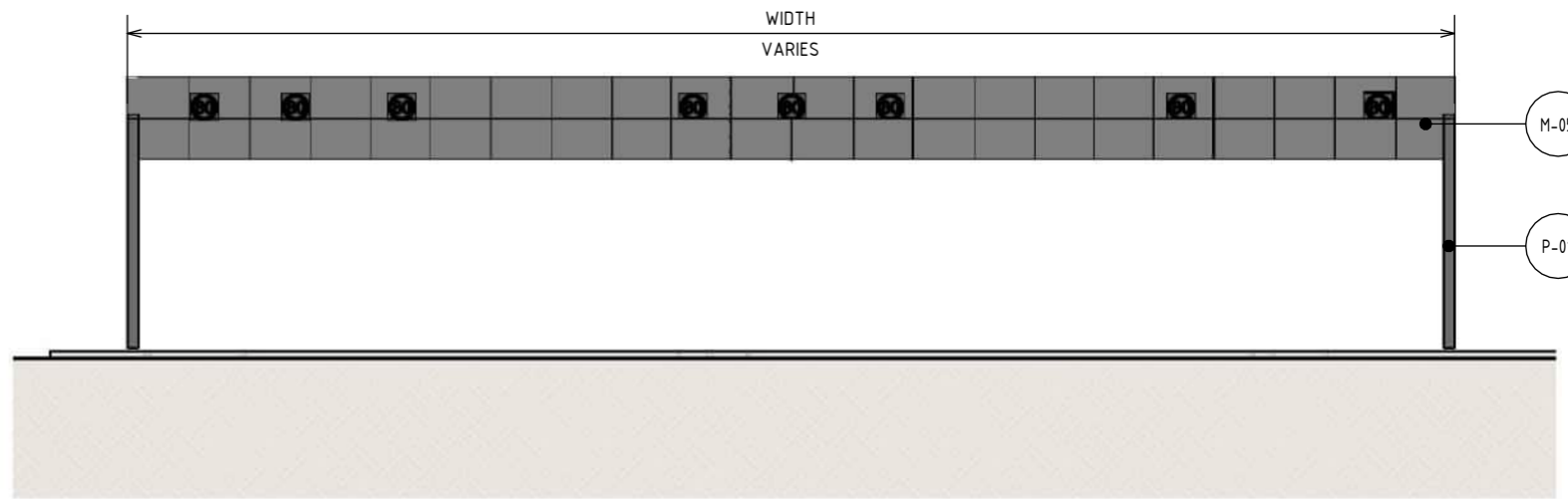
1 ISOMETRIC - GANTRY TYPE 3 STEEL PORTAL NON-ACCESSIBLE  
N.T.S



3 ISOMETRIC - GANTRY TYPE 4 THROUGH TRUSS ACCESSIBLE (CLADDING)  
N.T.S



2 ELEVATION - GANTRY TYPE 3 STEEL PORTAL NON-ACCESSIBLE  
SCALE : 1 : 250

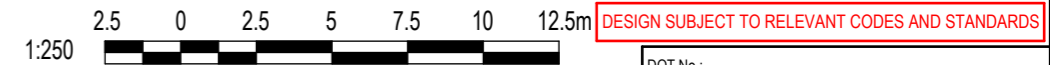


4 ELEVATION - GANTRY TYPE 4 THROUGH TRUSS ACCESSIBLE (CLADDING)  
SCALE : 1 : 250

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MATERIAL LEGEND	
<b>METAL FINISHES</b>	
M-05	PERFORATED ALUMINIUM PANELS PERFORATED ALUMINIUM PANEL TO CUSTOM ARCHITECTURAL PROFILE WITH SATIN PVDF FINISH, IN CUSTOM COLOURS. FULL HEIGHT CLEAR NON SACRIFICIAL, NON-FILM FORMING COATING.
<b>PAINT FINISHES</b>	
P-01	PAINT OVER STEEL - TYPE 01 PAINT OVER STEEL WITH PROTECTIVE COATING. SATIN FINISH WITH INTEGRAL PROPERTIES TO TOP COAT.



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APPROVED BY: Z. CVITKOVIC	21/08/24

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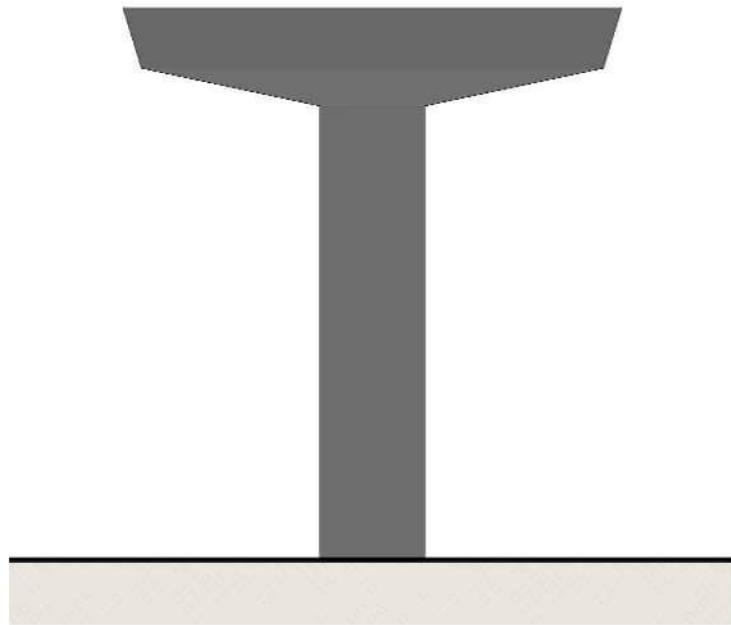
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Security Classification: <b>OFFICIAL: Sensitive</b>
CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

<b>NORTH EAST LINK PROGRAM</b> RING ROAD COMPLETION	
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN ROAD INFRASTRUCTURE GANTRY TYPES - SHEET 02	
PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1762
SUIT. CODE	REVISION 5



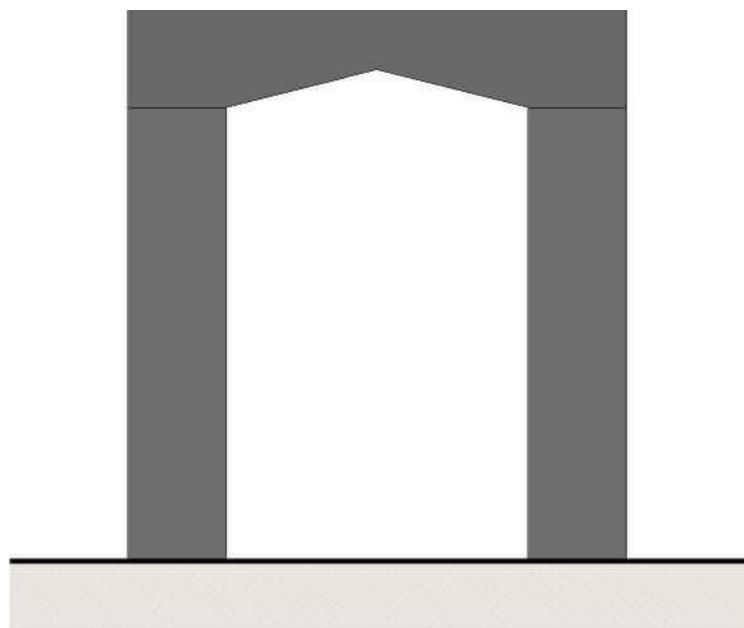
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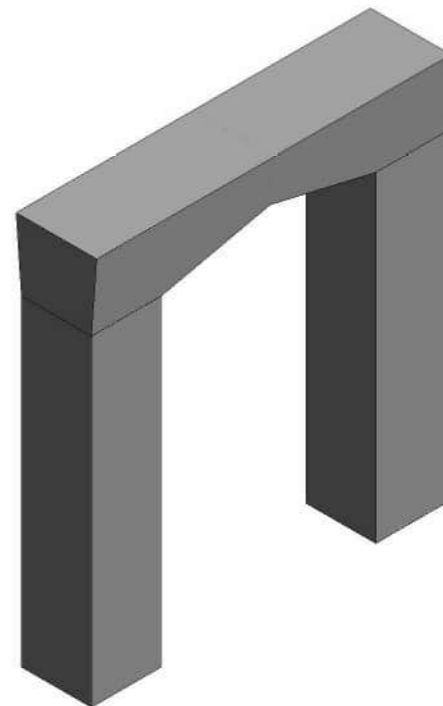
1 ELEVATION - PIER TYPE A  
SCALE : 1 : 200



2 ISOMETRIC - PIER TYPE A  
N.T.S



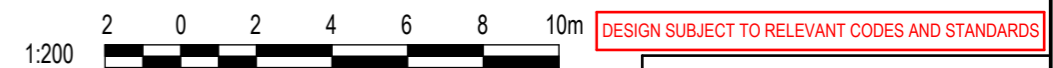
3 ELEVATION - PIER TYPE B  
SCALE : 1 : 200



4 ISOMETRIC - PIER TYPE B  
N.T.S

NOTE:

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- ROAD DESIGN, SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.



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5	UDLP FINAL SUBMISSION	21/08/24	DRAFTING CHECKED BY: E. CASTILLO								
4	UDLP FINAL SUBMISSION IEA	02/08/24	DESIGNED BY: M. SPYROPOULOS								
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1	PUBLIC EXHIBITION	25/09/23	APPROVED BY: Z. CVITKOVIC								

21/08/2024 3:36:39 PM

Note: \* Indicates signed documents as drawings will not have wet signatures.

**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ROAD INFRASTRUCTURE  
PIER TYPES - SHEET 01



Security Classification: **OFFICIAL: Sensitive**

DOT No.:

SUIT. CODE: REVISION 5







# MATERIAL PRECEDENTS



OFF-GUN SHOTCRETE FINISH

Source - <https://www.curtisconcretepumping.com/projects/structural-shotcrete-basement-walls-san-antonio/>



PAINT TREATMENT WESTERN HIGHWAY (REMEMBRANCE DRIVE - BALLARAT) VICTORIA

Source - <https://monumentaustralia.org.au/themes/conflict/ww1/display/111209-ballarat-avenue-of-honour-overpass>



TIED-ARCH BRIDGE WITH INCLINED HANGERS

Source - <https://structurae.net/en/structures/n-vi-footbridge>



ANCHOR HEAD TREATMENT

Source - <https://www.dreamstime.com/used-ensure-stability-sheet-pile-structures-to-ensure-stability-slopes-rock-walls-notches-to-anch-image235255162>



CLIMBING PLANT FRAMES SOFTEN THE VISUAL IMPACT OF NOISE WALLS IN CONFINED SPACES. TULLAMARINE FREEWAY, MOONEE PONDS, VICTORIA

Source - [https://www.vicroads.vic.gov.au/-/media/files/technical-documents-new/bridge-technical-notes/bridge-technical-note-2023\\_007--noise-attenuation-walls--v20--may-2023.ashx](https://www.vicroads.vic.gov.au/-/media/files/technical-documents-new/bridge-technical-notes/bridge-technical-note-2023_007--noise-attenuation-walls--v20--may-2023.ashx)



LANDSCAPE IN FRONT OF NOISE WALLS MORDIALLOC FREEWAY, BRAESIDE, VICTORIA

Source - [https://www.vicroads.vic.gov.au/-/media/files/technical-documents-new/bridge-technical-notes/bridge-technical-note-2023\\_007--noise-attenuation-walls--v20--may-2023.ashx](https://www.vicroads.vic.gov.au/-/media/files/technical-documents-new/bridge-technical-notes/bridge-technical-note-2023_007--noise-attenuation-walls--v20--may-2023.ashx)



ROCK BEACHING TO REFERENCE GEOLOGY OF THE AREA

Source - Google Street View



DEMONSTRATES LIGHTING THE VERTICAL ELEMENTS OF THE UNDERPASS TO IMPROVE VISUAL COMFORT, WHILST MAINTAINING COMPLIANT AND LIGHTING LEVELS.

Source - <https://www.warrenlangley.com.au/project/immerse/>

**NOTE:**

- THE ALIGNMENT AND LOCATION OF BARRIERS, FENCES, SCREENS AND WALLS ARE INDICATIVE AND ARE SUBJECT TO DESIGN DEVELOPMENT.
- A REFLECTIVITY STUDY WILL BE UNDERTAKEN DURING THE DESIGN DEVELOPMENT PHASE FOR THE URBAN DESIGN ELEMENTS AND MATERIAL AND FINISHES WILL BE ADJUSTED ACCORDINGLY.
- ROAD DESIGN. SHARED USE PATH AND MAINTENANCE ACCESS TRACKS ARE SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- BRIDGE DESIGN IS SUBJECT TO FINAL ENGINEERING ADVICE, DETAILED DESIGN AND TECHNICAL REQUIREMENTS.
- ALL MATERIALS, PATTERNS, COLOURS, EXTENTS AND FINISHES ARE SUBJECT TO DESIGN DEVELOPMENT. COLOURS TO BE GENERALLY IN ALIGNMENT WITH THE MUNSSELL COLOUR CHART.

DESIGN SUBJECT TO RELEVANT CODES AND STANDARDS

DOT No.:

Autodesk Docs/CI-APAC (AU) 60695208 - North East Link - North East Link - North Package/NEL-NTH-NNA-3900-EPU-MD3-0001.rvt

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REV.	DESCRIPTION	DATE	APPROVALS	DRAWN: AECOM	SIZE: A3	SCALE: N.T.S	CAD FILE: NEL-NTH-NNA-3900-EPU-MD3-0001.rvt	PROJECT CONTRACT: NORTH	NELP DRAWING No.: NEL-NTH-NNA-3900-EPU-DRG-1791	SUIT. CODE	REVISION
5	UDLP FINAL SUBMISSION	21/08/24									
4	UDLP FINAL SUBMISSION IEA	02/08/24									
3	UDLP REVISION 1	29/01/24									
2	UDLP IEA REVIEW	21/12/23									
1	PUBLIC EXHIBITION	25/09/23									

21/08/2024 3:36:49 PM

Note: \* Indicates signed documents as drawings will not have wet signatures.

**NORTH EAST LINK PROGRAM**  
RING ROAD COMPLETION  
ATTACHMENT 1: ARCHITECTURE AND URBAN DESIGN  
ROAD INFRASTRUCTURE  
MATERIAL PRECEDENTS



Security Classification: **OFFICIAL: Sensitive**

SUIT. CODE: REVISION  
5



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