









**LEGEND**



**PAVEMENT TYPES**

-  0-40mm OF RED DGA WEARING COURSE  
LATERITE MIX (10mm/75 BLOW)  
2% OXIDE WITH ATSE POLYMER MODIFIED BINDER  
AS PER MRWA SPEC 504 - TABLE 504.B2  
AREA = 80m<sup>2</sup>
-  PROFILE 30mm & INSTALL 30mm OF NEW DENSE GRADE ASPHALT (10mm/75 BLOW)  
ONE COAT 7mm PRIMER SEAL  
AREA = 900.0m<sup>2</sup>
-  FAUX PAVING - "REDSTONE" WITH "LIMESTONE" HEADER  
REINFORCED 100mm THK WITH HERRINGBONE PATTERN  
AREA = 105.0m<sup>2</sup>
-  NEW 150mm THICK REINFORCED CONCRETE  
AREA = 30.0m<sup>2</sup>
-  NEW 100mm THICK REINFORCED CONCRETE PATH  
AREA = 130.0m<sup>2</sup>

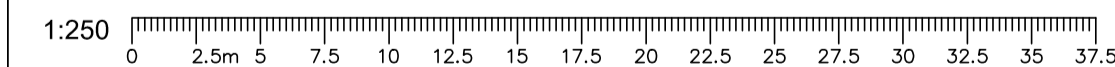
**LINE MARKING AND SIGNS**

-  DESIGN-LINEMARKING-EDGELINE
-  DESIGN-LINEMARKING-HOLDING
-  SIGN

**KERB TYPES**

-  MOUNTABLE TYPE M-1 (FLUSHED KERB)
-  SEMI-MOUNTABLE SM-1

**1** PROPOSED ROUNDABOUT DESIGN  
SCALE 1:250@A1



REV	DATE	DESCRIPTION	BY	CHK'D	APP'D

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**City of Kalamunda**  
DESIGN & SURVEY

2 Railway Road Kalamunda WA 6076  
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Western Australia

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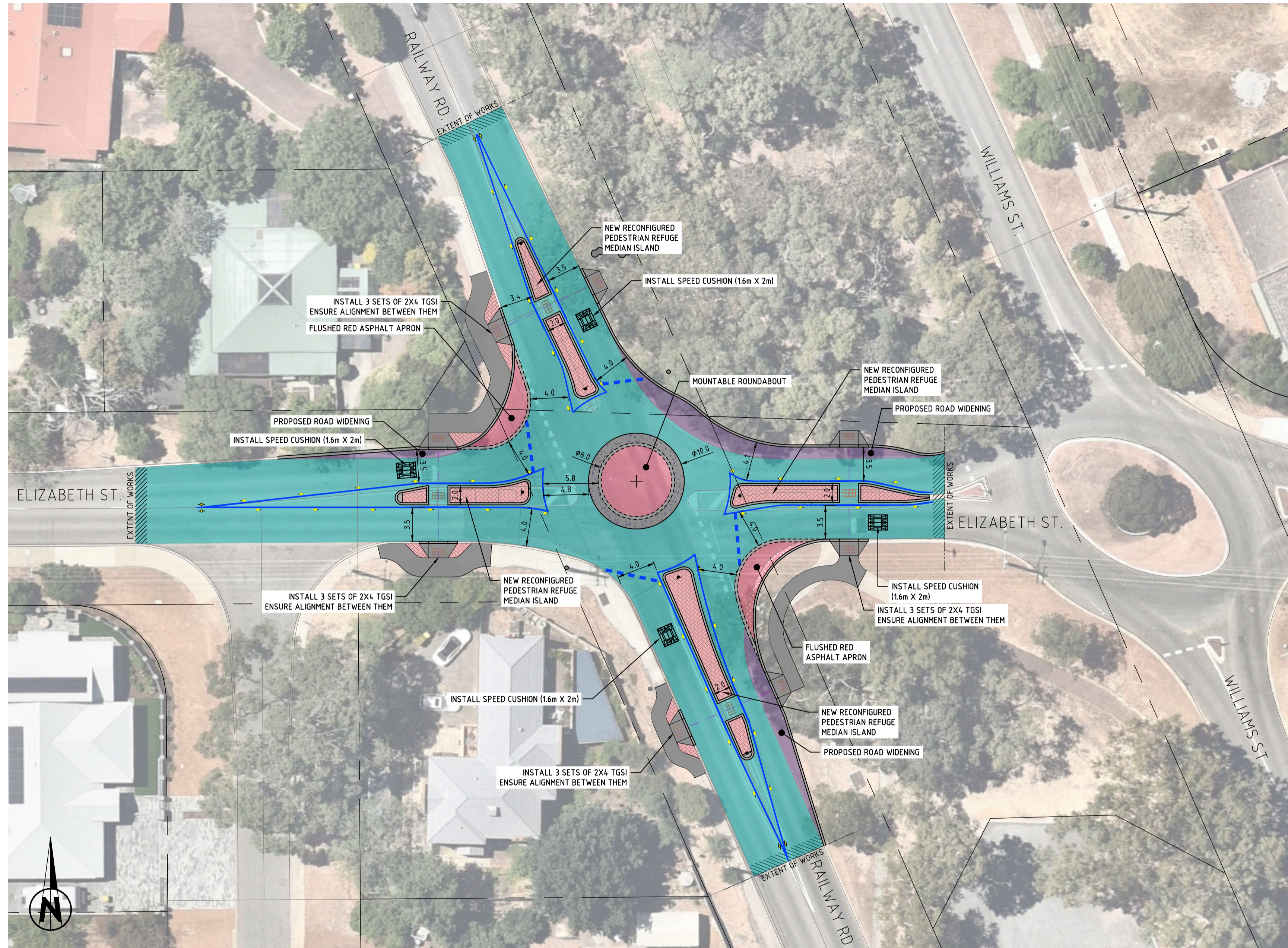
DESIGN C. MOREIRA	DATE 18/06/2024	SCALE HORIZ 1:250 VERT N/A
DRAWN C. MOREIRA	DATE 01/08/2024	DATUM AHD
CHECKED SIMON LEE		GRID SYSTEM GDA 94/MGA 250
AUTHORISED R. SMITH		JOB NUMBER 3510

PROJECT  
**RAILWAY RD. & ELIZABETH ST. ROUNDABOUT**  
RAILWAY ROAD/ELIZABETH STREET INTERSECTION - KALAMUNDA

DRAWING TITLE  
**PROPOSED ROUNDABOUT DESIGN**

PLAN No <b>E15-24-001 - A</b>	REV <b>A1</b>
CONCEPT DESIGN MANAGER ASSET PLANNING & DELIVERY	
LUKE.H	DATE










**LEGEND**



**PAVEMENT TYPES**

-  0-40mm OF RED DGA WEARING COURSE  
LATERITE MIX (10mm/75 BLOW)  
2% OXIDE WITH ATSE POLYMER MODIFIED BINDER  
AS PER MRWA SPEC 504 - TABLE 504.B2  
AREA = 80m<sup>2</sup>
-  0-40mm OF RED DGA WEARING COURSE  
LATERITE MIX (10mm/75 BLOW)  
2% OXIDE WITH ATSE POLYMER MODIFIED BINDER  
AS PER MRWA SPEC 504 - TABLE 504.B2  
TWO COAT 7mm PRIMER SEAL  
BASE-COURSE 200mm QUARRY OR RECYCLED MATERIAL  
SUB-BASE 200mm LIMESTONE  
AREA = 10m<sup>2</sup>
-  NEW ROAD WIDENING  
40mm DENSE GRADE ASPHALT WEARING COURSE (10mm/75 BLOW)  
ONE COAT 7mm PRIMER SEAL  
BASE-COURSE 200mm QUARRY OR RECYCLED MATERIAL  
SUB-BASE 200mm LIMESTONE  
AREA = 90.0m<sup>2</sup>
-  PROFILE 30mm & INSTALL 30mm OF NEW DENSE GRADE ASPHALT (10mm/75 BLOW)  
ONE COAT 7mm PRIMER SEAL  
AREA = 900.0m<sup>2</sup>
-  FAUX PAVING - "REDSTONE" WITH "LIMESTONE" HEADER  
REINFORCED 100mm THK WITH HERRINGBONE PATTERN  
AREA = 105.0m<sup>2</sup>
-  NEW 150mm THICK REINFORCED CONCRETE  
AREA = 30.0m<sup>2</sup>
-  NEW 100mm THICK REINFORCED CONCRETE PATH  
AREA = 130.0m<sup>2</sup>




**LINE MARKING AND SIGNS**

-  DESIGN-LINEMARKING-EDGE LINE
-  DESIGN-LINEMARKING-HOLDING
-  UNIDIRECTIONAL YELLOW RRPMS
-  BI-DIRECTIONAL YELLOW RRPMS
-  SIGN

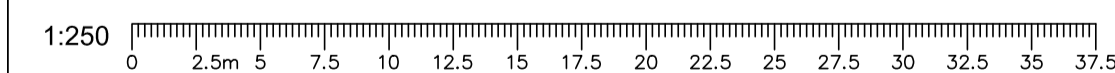
**KERB TYPES**

-  MOUNTABLE TYPE M-1 (FLUSHED KERB)
-  SEMI-MOUNTABLE SM-1

**OTHERS**

-  EXTENT OF WORKS (ASPHALT TIE-IN)
-  SPEED CUSHION (1.6m x 2.0m)
-  TGSIs (SETS OF 4x2)

**1** PROPOSED ROUNDABOUT DESIGN  
SCALE 1:250@A1



REV	DATE	DESCRIPTION	BY	CHK'D	APP'D

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DESIGN C. MOREIRA	DATE 18/06/2024	SCALE HORIZ 1:250 VERT N/A
DRAWN C. MOREIRA	DATE 01/08/2024	DATUM AHD
CHECKED SIMON LEE		GRID SYSTEM GDA 94/MGA 250
AUTHORISED R. SMITH		JOB NUMBER 3510

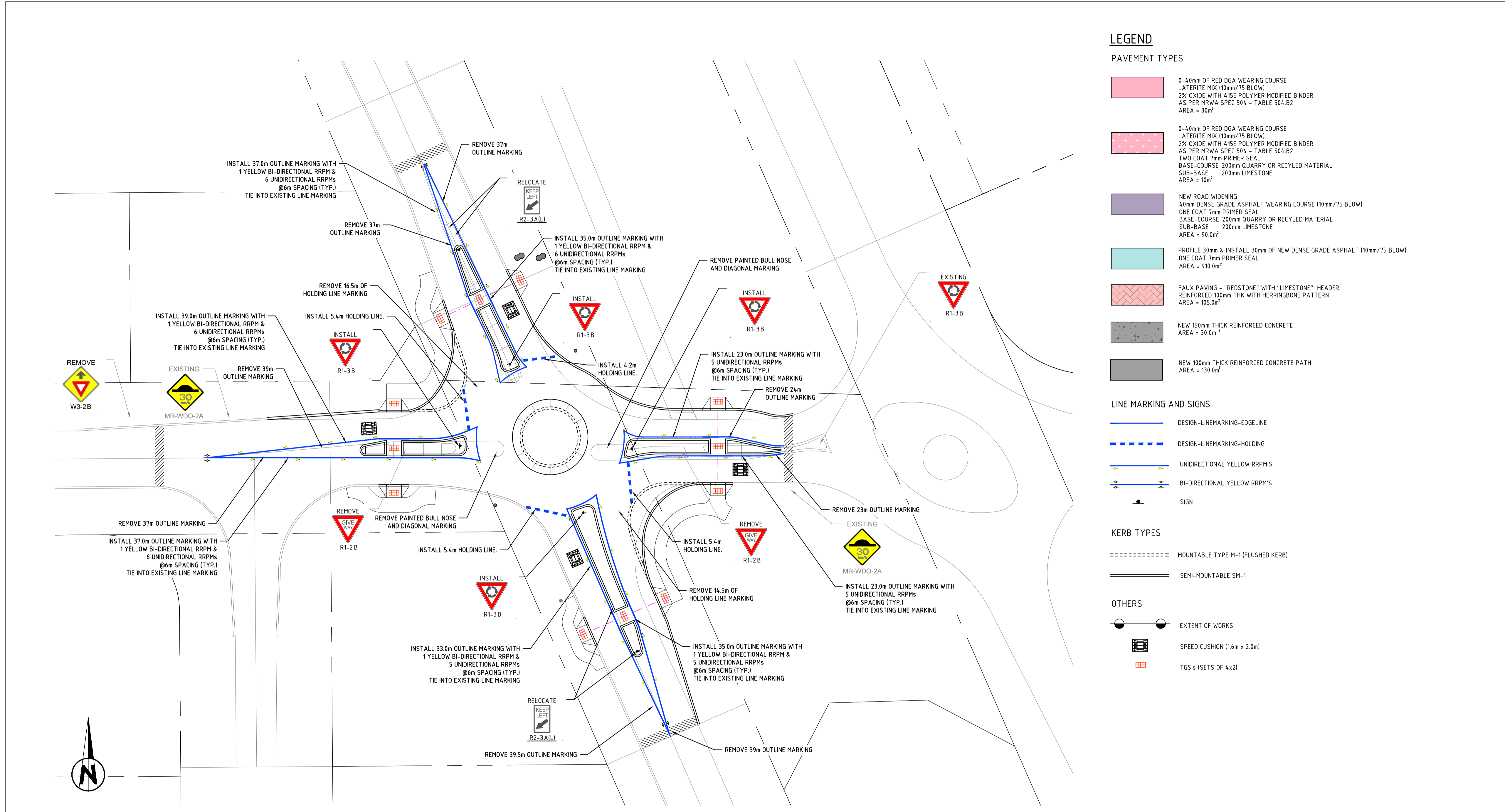
PROJECT  
**RAILWAY RD. & ELIZABETH ST. ROUNDABOUT**  
RAILWAY ROAD/ELIZABETH STREET INTERSECTION - KALAMUNDA

DRAWING TITLE  
**PROPOSED ROUNDABOUT DESIGN**

PLAN No	REV
E15-24-002 - A	
CONCEPT DESIGN	A1
MANAGER ASSET PLANNING & DELIVERY	
LUKE.H	DATE



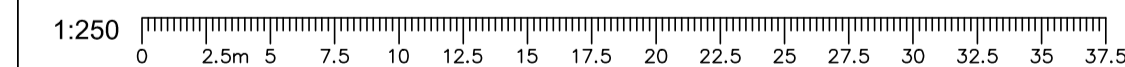
7/08/2024 09:28 AM JAN DESIGNER: 25 HOUTURE/RAILWAY RD & ELIZABETH ST ROUNDABOUT DWG/RAILWAY RD & ELIZABETH ST - INTERSECTION TREATMENT SMALL DWG



**LEGEND**

- PAVEMENT TYPES**
- 0-40mm OF RED DGA WEARING COURSE LATERITE MIX (10mm/75 BLOW) 2% OXIDE WITH ATSE POLYMER MODIFIED BINDER AS PER MRWA SPEC 504 - TABLE 504.B2 AREA = 80m<sup>2</sup>
  - 0-40mm OF RED DGA WEARING COURSE LATERITE MIX (10mm/75 BLOW) 2% OXIDE WITH ATSE POLYMER MODIFIED BINDER AS PER MRWA SPEC 504 - TABLE 504.B2 TWO COAT 7mm PRIMER SEAL BASE-COURSE 200mm QUARRY OR RECYCLED MATERIAL SUB-BASE 200mm LIMESTONE AREA = 10m<sup>2</sup>
  - NEW ROAD WIDENING 40mm DENSE GRADE ASPHALT WEARING COURSE (10mm/75 BLOW) ONE COAT 7mm PRIMER SEAL BASE-COURSE 200mm QUARRY OR RECYCLED MATERIAL SUB-BASE 200mm LIMESTONE AREA = 90.0m<sup>2</sup>
  - PROFILE 30mm & INSTALL 30mm OF NEW DENSE GRADE ASPHALT (10mm/75 BLOW) ONE COAT 7mm PRIMER SEAL AREA = 910.0m<sup>2</sup>
  - FAUX PAVING - "REDSTONE" WITH "LIMESTONE" HEADER REINFORCED 100mm THK WITH HERRINGBONE PATTERN AREA = 105.0m<sup>2</sup>
  - NEW 150mm THICK REINFORCED CONCRETE AREA = 30.0m<sup>2</sup>
  - NEW 100mm THICK REINFORCED CONCRETE PATH AREA = 130.0m<sup>2</sup>
- LINE MARKING AND SIGNS**
- DESIGN-LINEMARKING-EDGE LINE
  - DESIGN-LINEMARKING-HOLDING
  - UNIDIRECTIONAL YELLOW RRPMS
  - BI-DIRECTIONAL YELLOW RRPMS
  - SIGN
- KERB TYPES**
- MOUNTABLE TYPE M-1 (FLUSHED KERB)
  - SEMI-MOUNTABLE SM-1
- OTHERS**
- EXTENT OF WORKS
  - SPEED CUSHION (1.6m x 2.0m)
  - TGSs (SETS OF 4x2)

**1 PROPOSED PAVEMENT MARKING & SIGNAGE**  
SCALE 1:250@A1



REV	DATE	DESCRIPTION	BY	EHK'D	APP'D

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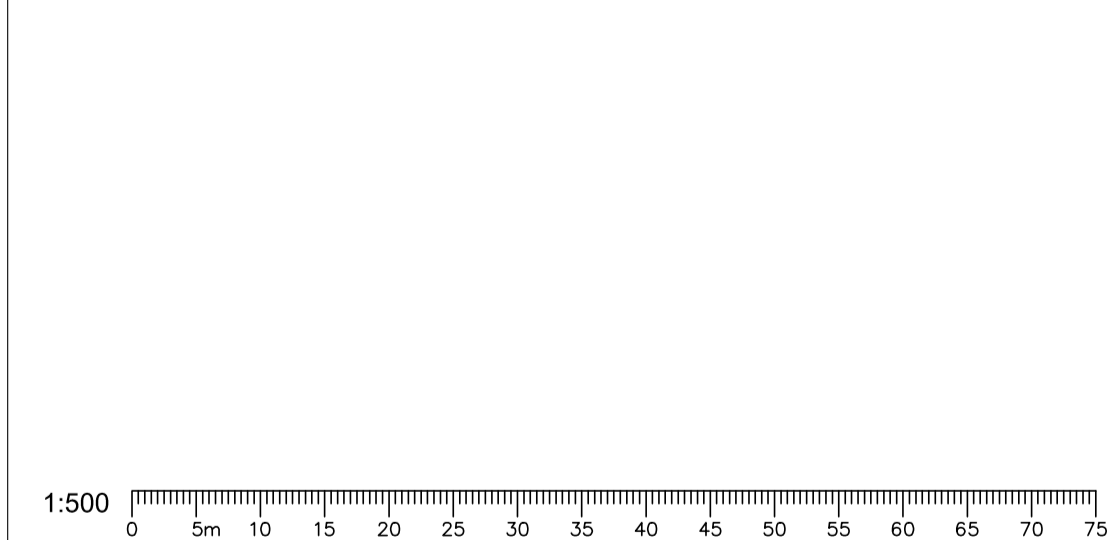
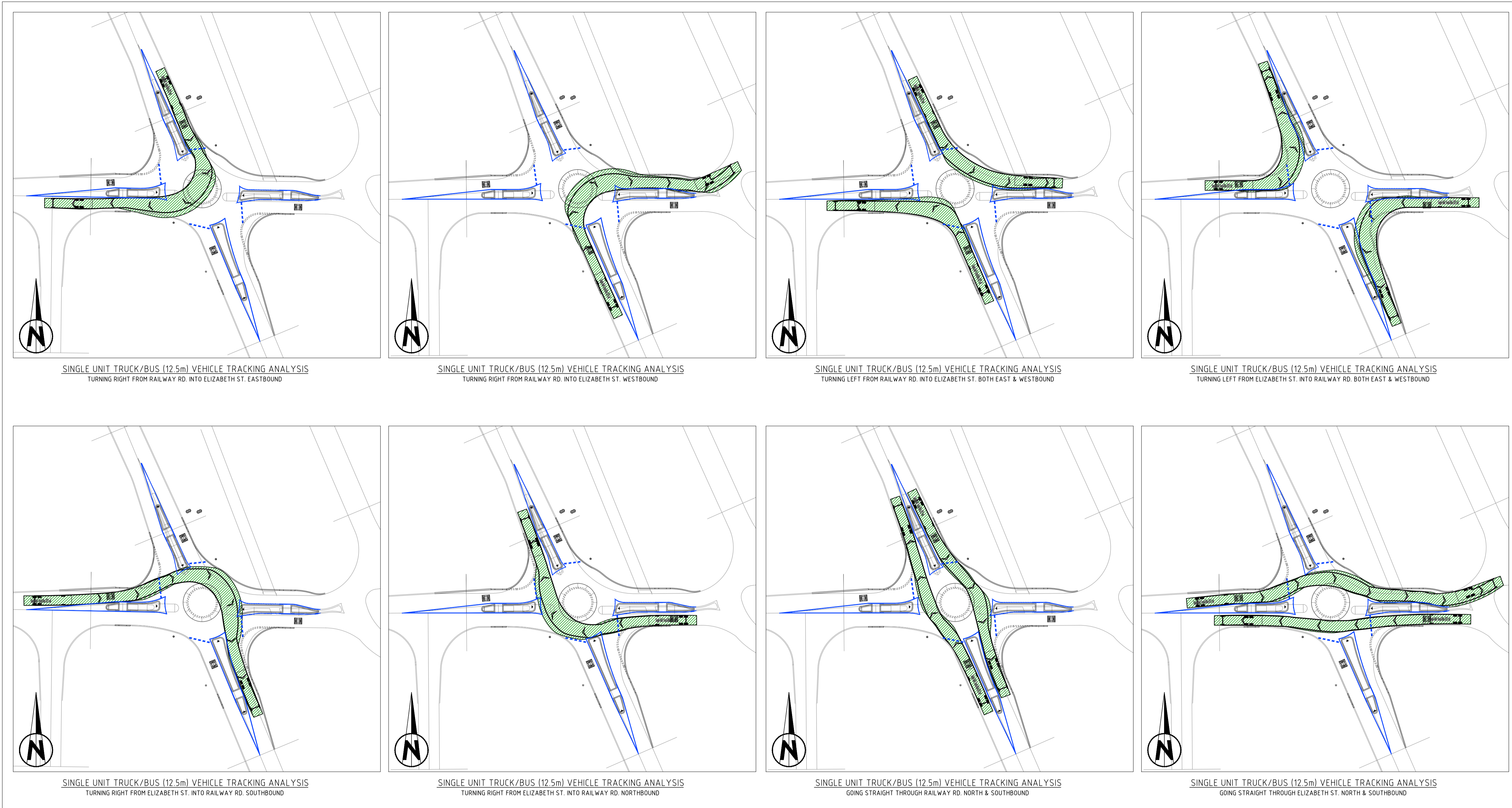
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DESIGN C. MOREIRA	DATE 18/06/2024	SCALE HORIZ 1:250 VERT N/A
DRAWN C. MOREIRA	DATE 01/08/2024	DATUM AHD
CHECKED SIMON LEE		GRID SYSTEM GDA 94/MGA 250
AUTHORISED R. SMITH		JOB NUMBER 3510

PROJECT RAILWAY RD. & ELIZABETH ST. ROUNDABOUT RAILWAY ROAD/ELIZABETH STREET INTERSECTION - KALAMUNDA
DRAWING TITLE PROPOSED PAVEMENT MARKING AND SIGNAGE

PLAN No E15-24-003 - A	REV A1
CONCEPT DESIGN	MANAGER ASSET PLANNING & DELIVERY
LUKE.H	DATE





REV	DATE	DESCRIPTION	BY	CHK'D	APP'D

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DRAWN	C. MOREIRA	DATE	01/08/2024	DATUM	AHD
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JOB NUMBER	3510				

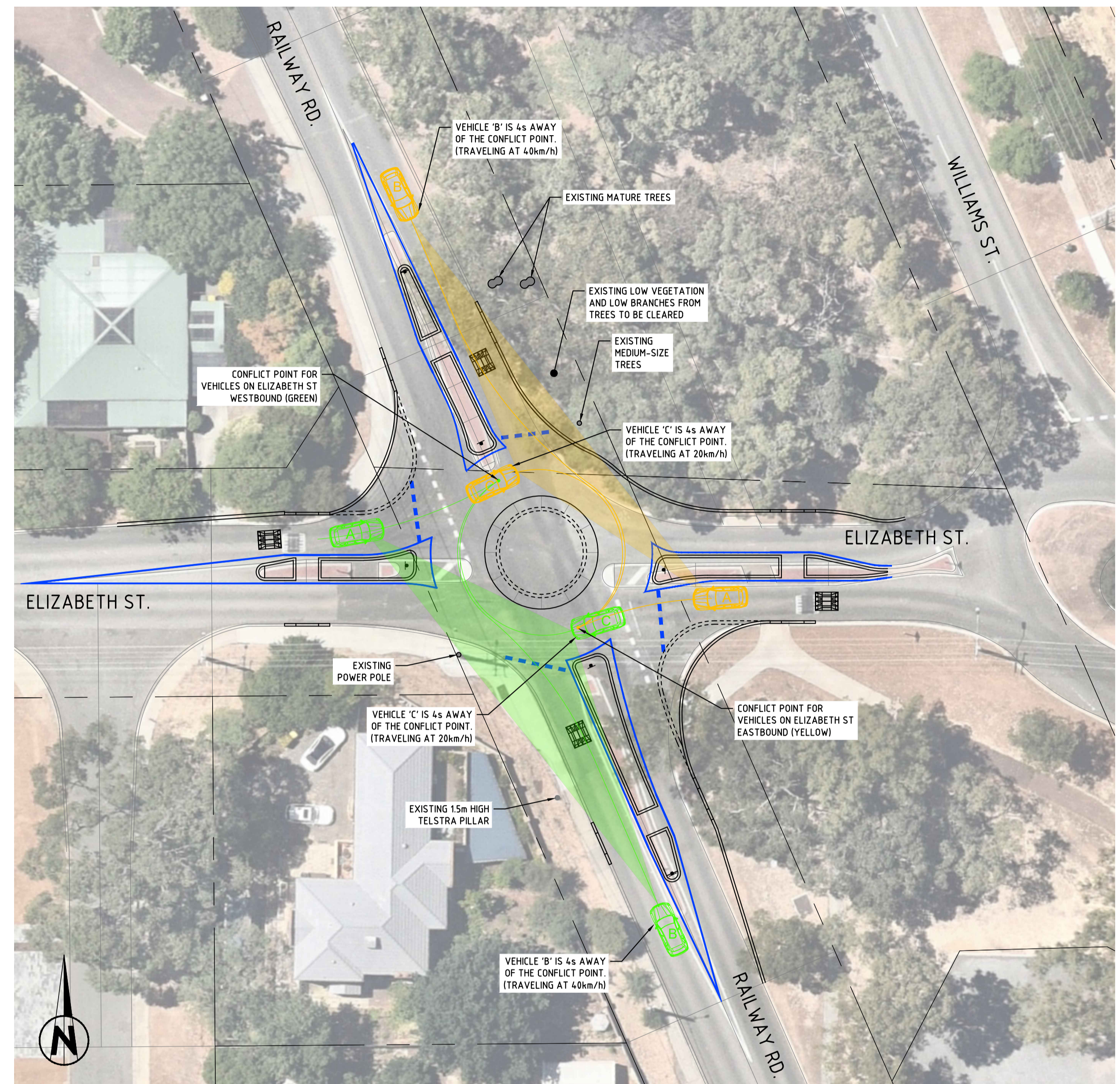
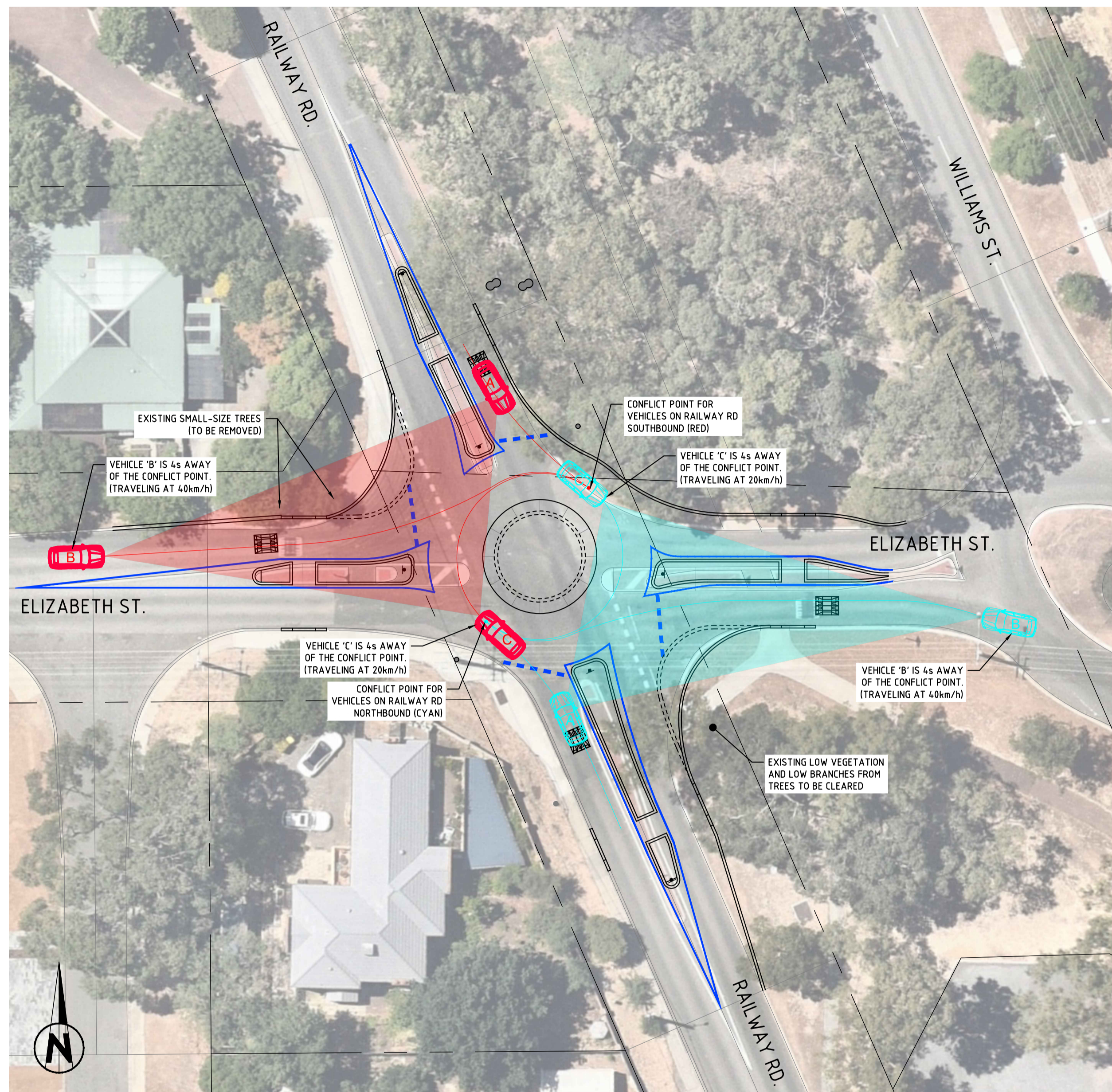
PROJECT  
RAILWAY RD. & ELIZABETH ST. ROUNDABOUT  
RAILWAY ROAD/ELIZABETH STREET INTERSECTION - KALAMUNDA

DRAWING TITLE  
TURNING MOVEMENT PATH ANALYSIS

PLAN No	E15-24-004 - A	REV	
CONCEPT DESIGN	A1	MANAGER ASSET PLANNING & DELIVERY	
LUKEH		DATE	



7/08/2024 10:59:59 AM JAN: DESIGN\34-25 (FUTURE)RAILWAY RD & ELIZABETH ST ROUNDABOUT\1 - DWG\RAILWAY RD & ELIZABETH ST - INTERSECTION TREATMENT SHAL14.DWG



1 SIGHT DISTANCE STUDY - A  
SCALE 1:250@A1

2 SIGHT DISTANCE STUDY - B  
SCALE 1:250@A1

LEGEND

- A VEHICLE STATIONARY AT ROUNDABOUT HOLDING LINE
- B ENTERING VEHICLE ON THE APPROACH IMMEDIATELY TO THE RIGHT
- C VEHICLE CIRCULATING ROUNDABOUT CARRIAGEWAY
- CONFLICT POINT (COLOUR VARY)



REV	DATE	DESCRIPTION	BY	EHK'D	APP'D

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DRAWN C. MOREIRA	DATE 01/08/2024	DATUM AHD
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AUTHORISED R. SMITH		JOB NUMBER 3510

PROJECT RAILWAY RD. & ELIZABETH ST. ROUNDABOUT RAILWAY ROAD/ELIZABETH STREET INTERSECTION - KALAMUNDA
DRAWING TITLE SIGHT DISTANCE ANALYSIS

PLAN No E15-24-005 - A	REV A1
CONCEPT DESIGN	MANAGER ASSET PLANNING & DELIVERY
LUKE.H	DATE

