

# KALA ESTATE

# FUNCTIONAL LAYOUT PLANS

## STAGE 02

## SIG GROUP

FUNCTIONAL LAYOUT PLAN APPROVAL

CARDINIA SHIRE COUNCIL

Ref No.: S25-006 - T220227

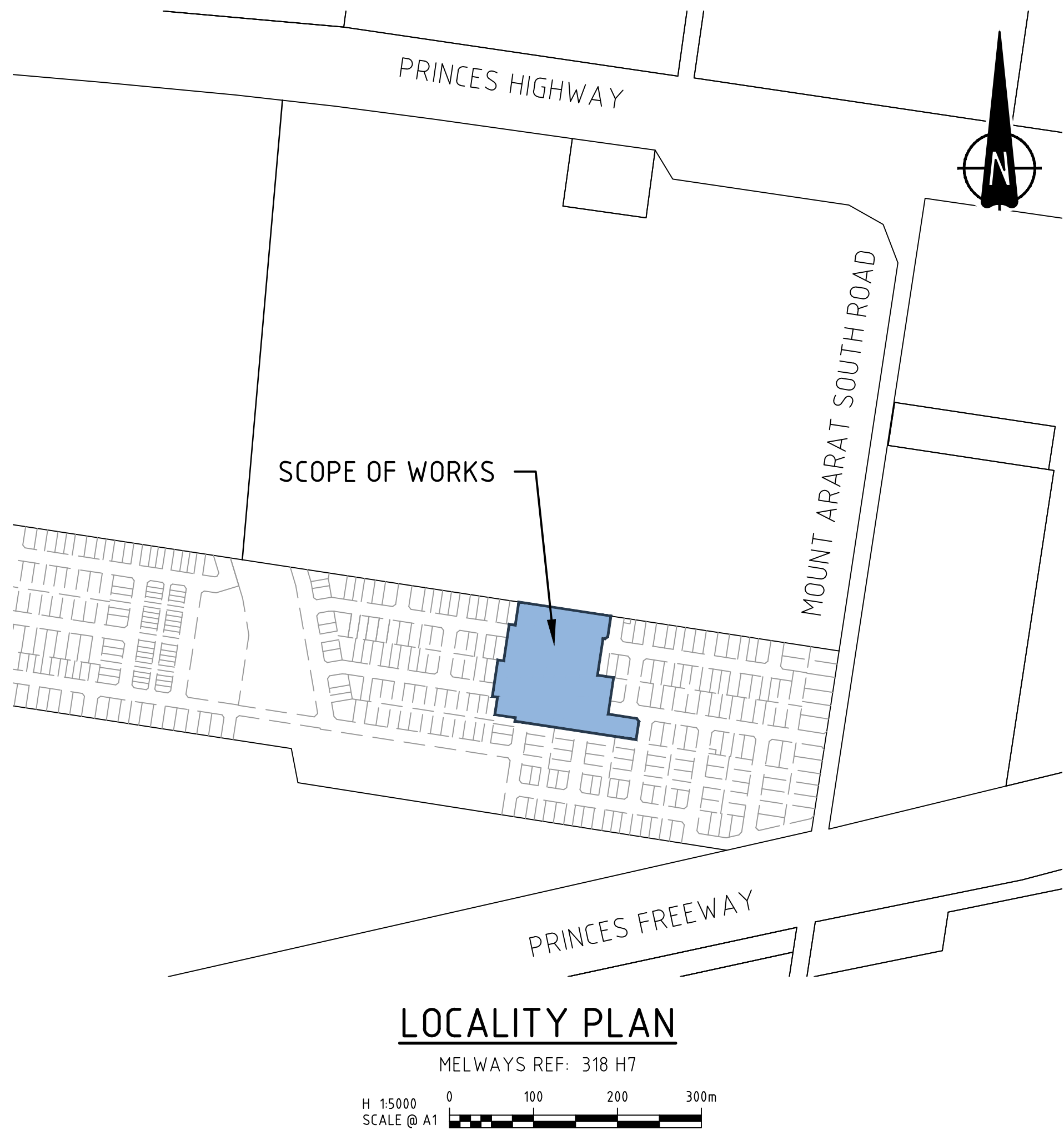
Sheet: 1 of 6

Approved by: Vithu Vijeyakumar

Cardinia Shire Council

Date: Thursday, 6 February 2025

Note: There are items within the Comments Xcel sheet that identifies aspects to be deferred to DD assessment.



SHEET LIST TABLE	
SHEET NUMBER	DESCRIPTION
3086-02-900	COVER SHEET
3086-02-910	DETAIL PLAN
3086-02-920	VEHICLE PARKING LAYOUT
3086-02-930	TYPICAL CROSS SECTIONS
3086-02-940	VEHICLE SWEEP PATHS (SHEET 1 OF 2)
3086-02-941	VEHICLE SWEEP PATHS (SHEET 2 OF 2)

SERVICES OFFSET TABLE												
STREET NAME	GAS		NON-DRINKING WATER		DRINKING WATER		TELCO		ELECTRICITY		SEWER	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
TART STREET	-	-	S	2.3	S	2.8	N	2.1	N	2.6	N	1
KALAMATA BOULEVARD	-	-	N	2.3	N	2.8	S	2.1	S	2.6	S	1
BELLADI ROAD	-	-	W	2.3	W	2.8	E	2.1	E	2.6	-	-
TAPAS STREET	-	-	E	2.3	E	2.8	W	2.1	W	2.6	-	-
1. TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICAL AUTHORITY STANDARD DRAWINGS.												

A	02.10.24	AP			INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT

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Level 20, 390 St Kilda Road W [cossillwebley.com.au](http://cossillwebley.com.au)  
Melbourne VIC 3004 T (03) 8548 1560  
E [Melbourne.Reception@cosweb.com.au](mailto:Melbourne.Reception@cosweb.com.au)

CLIENT

APPROVED PE 0005927

DESIGNED  
A. PARSONS  
SCALE  
AS SHOWN

PROJECT

KALA ESTATE - STAGE 02

TITLE

FUNCTIONAL LAYOUT PLANS

MUNICIPALITY

CARDINIA SHIRE COUNCIL

PP No.

TBC

DRAWING No.

3086-02-900

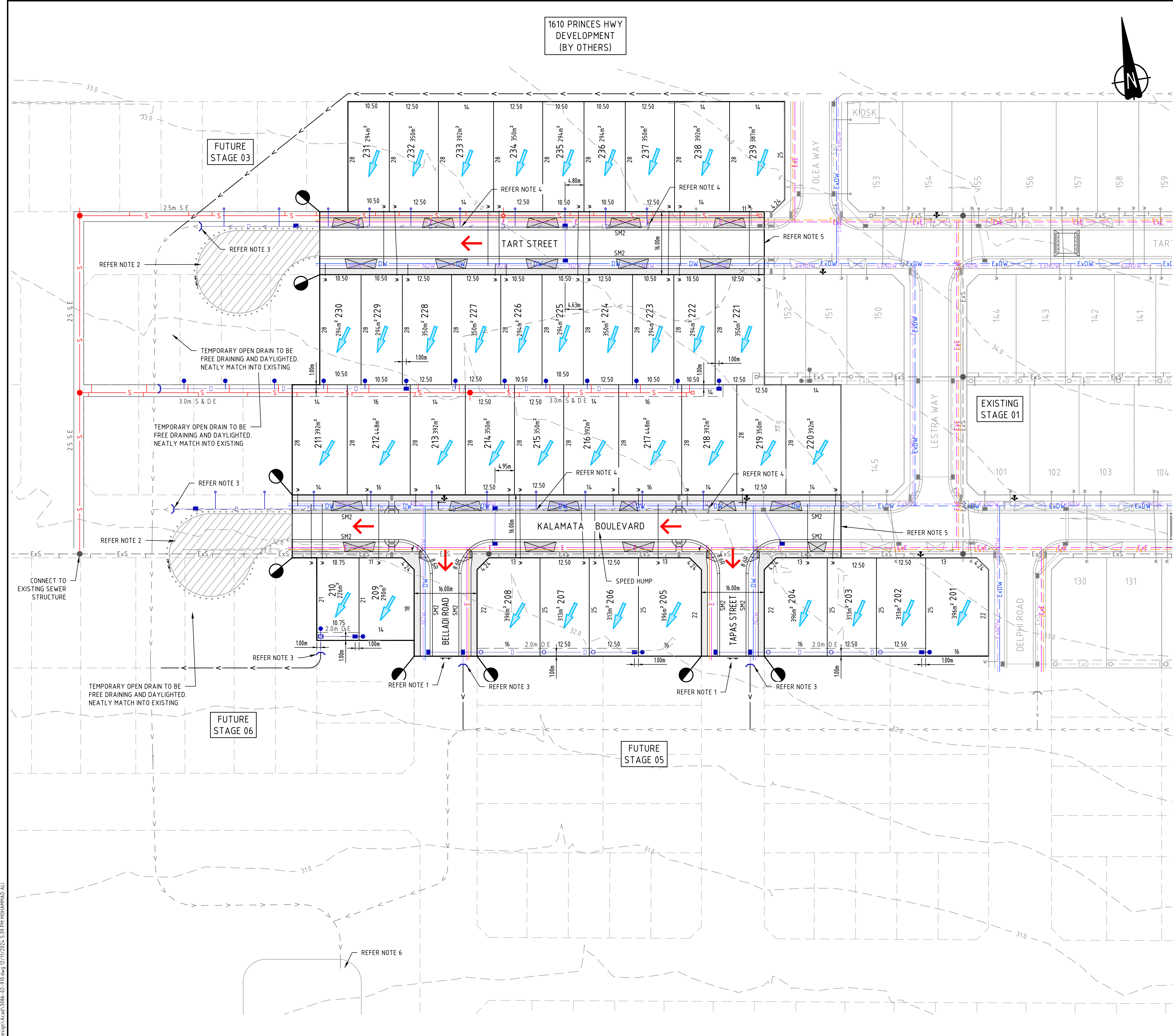
REVISION

A

ORIGINAL SIZE  
A1

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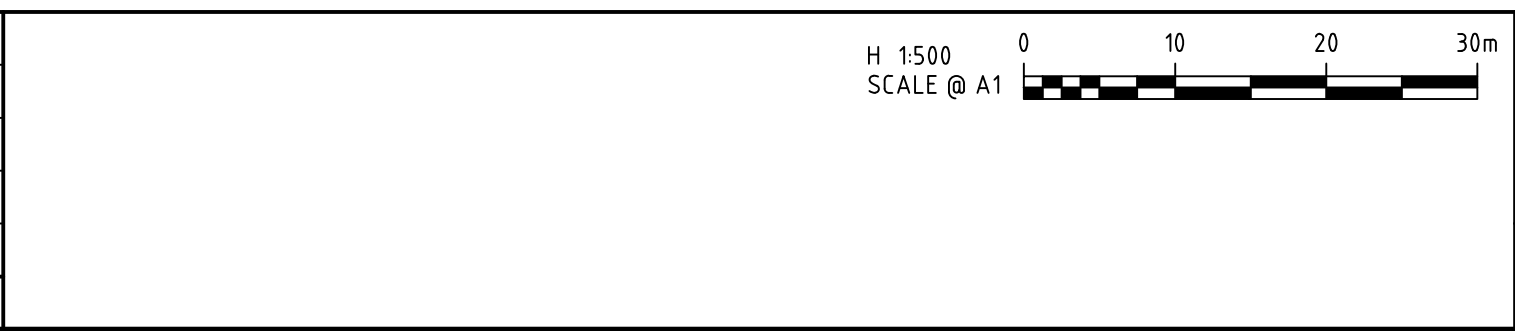
C:\Users\moham\Documents\2024\Design\Kala\3886-02-910.dwg, 12/11/2024, 5:39 PM MOHAMMAD ALI



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
WATER MAIN - DRINKING WATER	ExDW	DW
WATER MAIN - NON-DRINKING WATER	ExNDW	NDW
WATER CONDUITS	W	W
UNDERGROUND ELECTRICITY	ExE	E
TELECOMMUNICATION & SERVICE PIT	ExT	T
SEWER & MANHOLE	ExS	S
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN, PIT & HOUSE DRAIN/PROPERTY INLET	ExD	D
CONCRETE VEHICLE CROSSING		
CONCRETE FOOTPATH		
RAISED PAVEMENT		
SURFACE CONTOUR	-51.20-	
FALL OF DESIGN SURFACE		
100 YEAR OVERLAND FLOW PATH		
SIGN AND POST		
LIMIT OF WORKS		

- NOTES**
- PROVIDE CONCRETE EDGE STRIP & "ROAD CLOSED" SIGN.
  - PROVIDE R10.5m TEMPORARY TURNING AREA, CONCRETE EDGE STRIP, "ROAD CLOSED" SIGN, AG DRAIN & BOLLARDS AT 150m SPACING.
  - OUTLET SWALE PART OF TEMPORARY SEDIMENT BASIN WORKS PACKAGE.
  - REMOVE TEMPORARY ENDWALL AND CONNECT EXISTING DRAINAGE. STAGE 1 SWALE TO BE REMOVED ACROSS STAGE 2 EXTENT.
  - REMOVE EXISTING TEMPORARY TURN AROUND AREA AND "ROAD CLOSED" SIGN AND NEATLY MATCH INTO EXISTING.
  - DRAINAGE OUTFALL TO TEMPORARY RETARDING BASIN. SIZE AND LOCATION INDICATIVE ONLY.
- FUNCTIONAL LAYOUT PLAN APPROVAL**
- CARDINIA SHIRE COUNCIL
- Ref No.: S25-006 - T220227  
Sheet: 2 of 6  
Approved by: Vithu Vijayakumar  
CARDINIA SHIRE COUNCIL  
Date: Thursday, 6 February 2025

B	11.12.24	NT			SPEED HUMP ADDED
A	02.10.24	AP	FP	K. LORRIMAR	INITIAL ISSUE
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Street Address  
Level 20, 350 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**SIG GROUP**

APPROVED PE 0005927

DESIGNED M. ALI

SCALE 1:500

PROJECT KALA ESTATE - STAGE 02

TITLE FUNCTIONAL LAYOUT PLANS

MUNICIPALITY CARDINIA SHIRE COUNCIL

PP No. T220227

DRAWING No. 3086-02-910

REVISION B

ORIGINAL SIZE A1

**WARNING**

BEWARE OF UNDERGROUND/OVERHEAD SERVICES

THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.





FUNCTIONAL LAYOUT PLAN APPROVAL

CARDINIA SHIRE COUNCIL

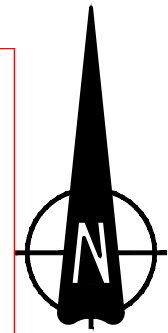
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Sheet: 3 of 6

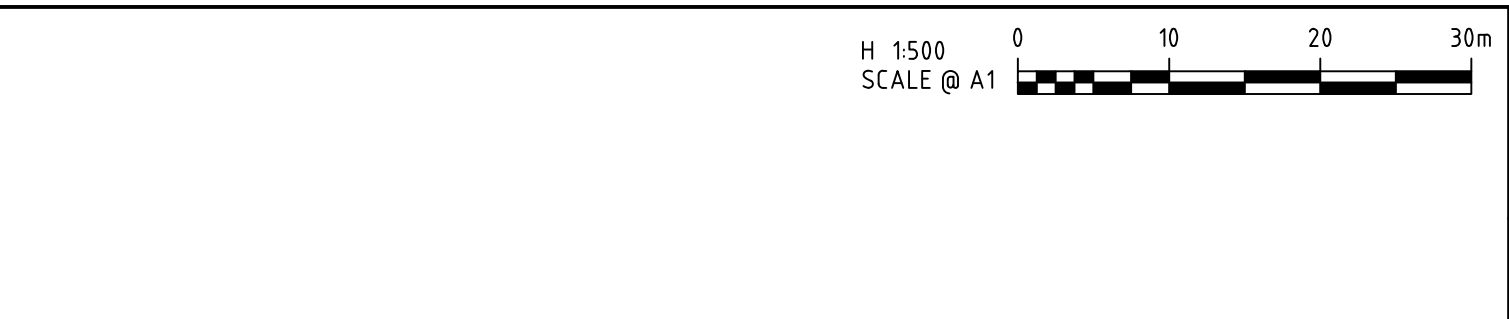
Approved by: Vithu Vijeyakumar

CARDINIA SHIRE COUNCIL

Date: Thursday, 6 February 2025



B	11.12.24	NT			SPEED HUMP ADDED
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Melbourne VIC 3004 T (03) 8548 1560  
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DESIGNED

M. ALI

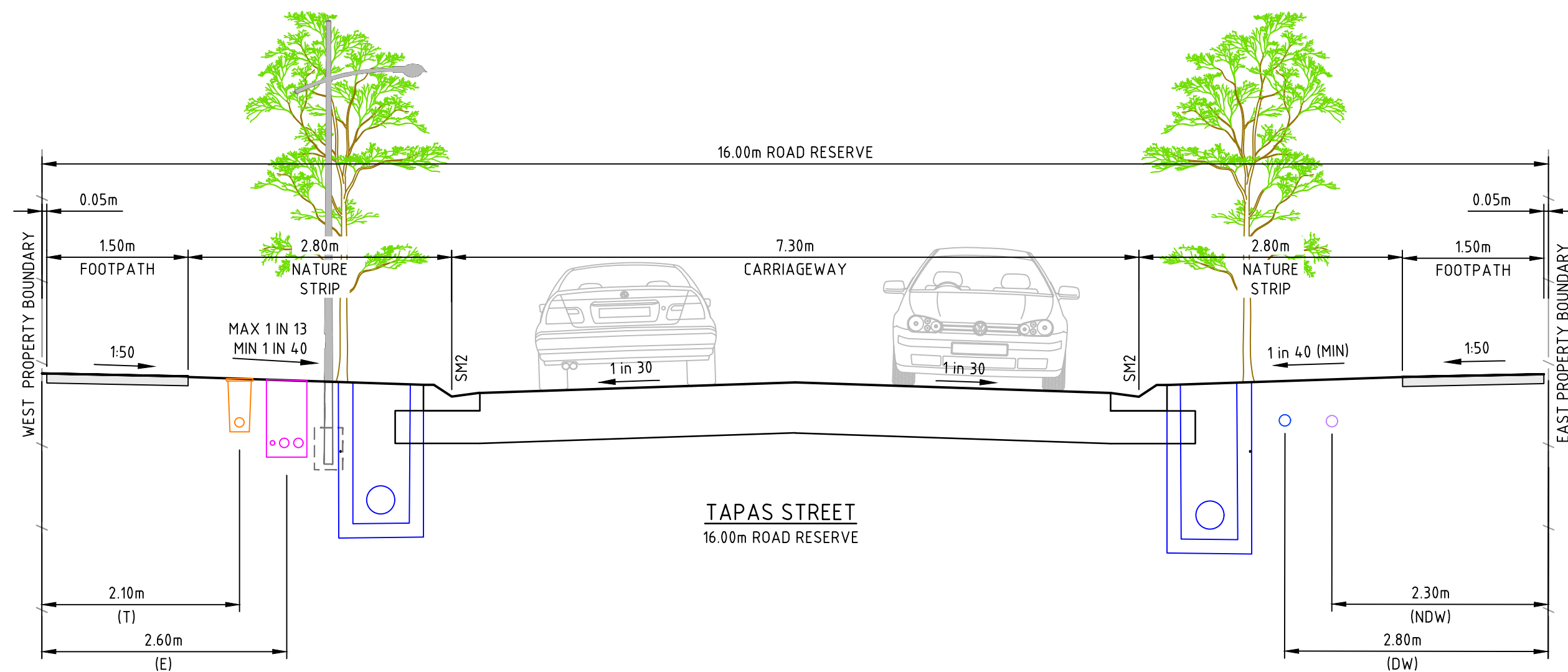
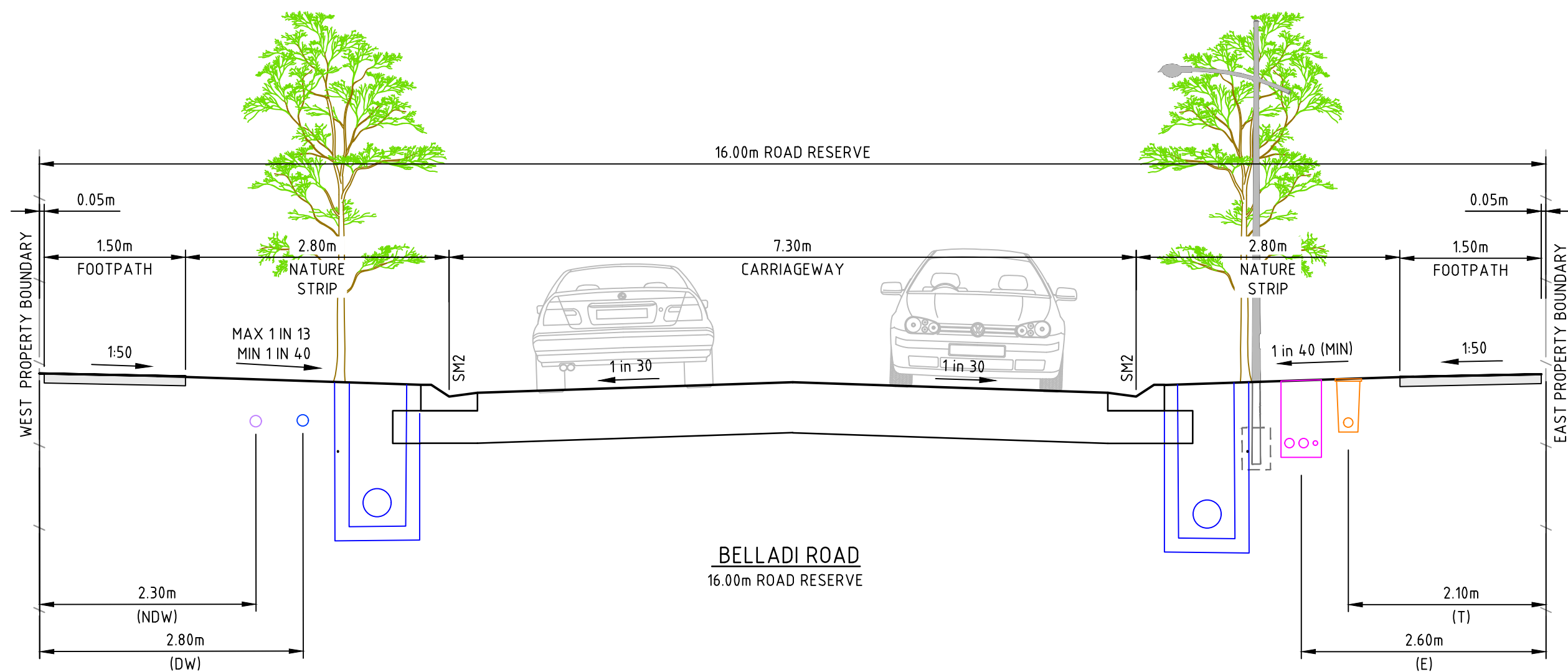
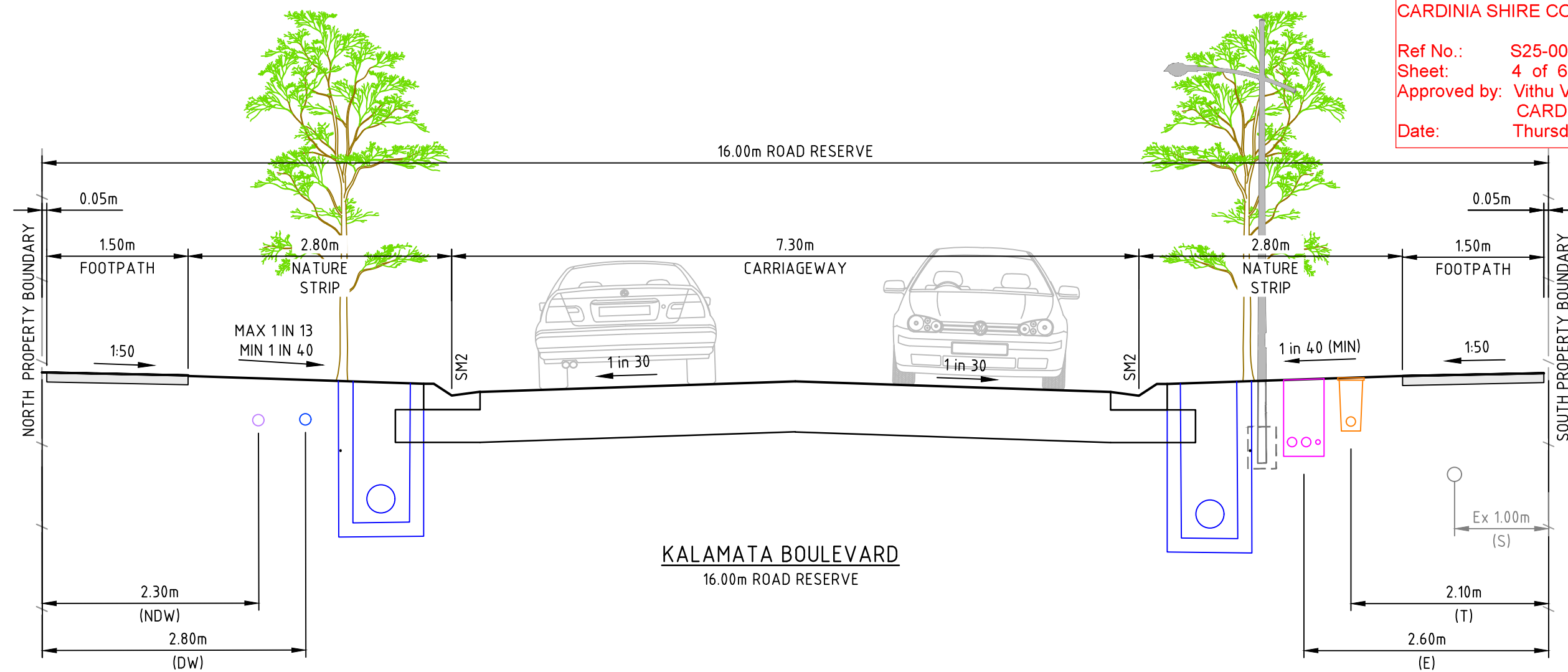
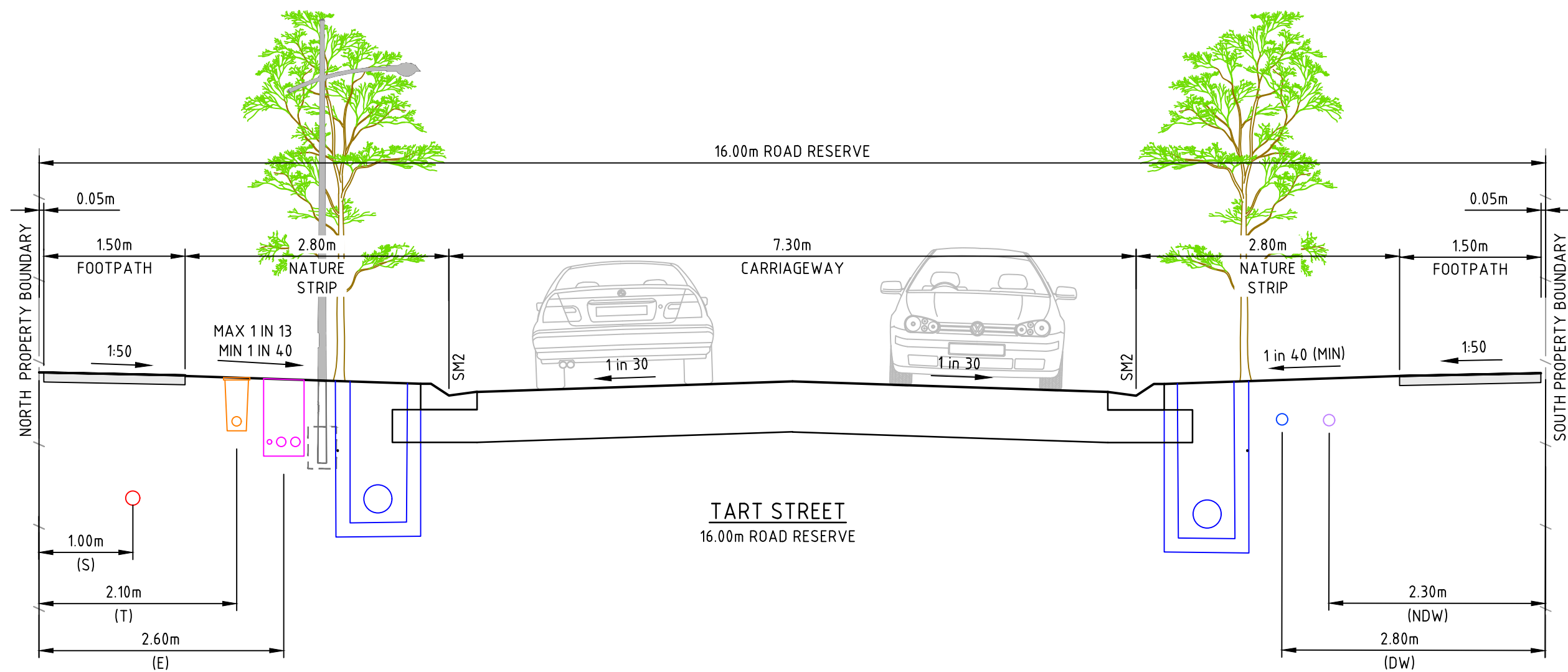
SCALE

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PROJECT	KALA ESTATE - STAGE 02		
TITLE	FUNCTIONAL LAYOUT PLANS VEHICLE PARKING LAYOUT		
MUNICIPALITY	CARDINIA SHIRE COUNCIL		
PP No.	T220227	DRAWING No.	3086-02-920
REVISION	B		

ORIGINAL SIZE  
A1





B	11.12.24	NT			CROSS FALL ADDED TO CROSS SECTIONS
A	02.10.24	AP	FP	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

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APPROVED: PE 0005927		DESIGNED M. ALI	
		SCALE 1:50	

PROJECT KALA ESTATE - STAGE 02		TITLE FUNCTIONAL LAYOUT PLANS TYPICAL CROSS SECTIONS	
MUNICIPALITY CARDINIA SHIRE COUNCIL		REVISION B	
PP No. T220227	DRAWING No. 3086-02-930		

ORIGINAL SIZE  
A1



FUNCTIONAL LAYOUT PLAN APPROVAL

CARDINIA SHIRE COUNCIL

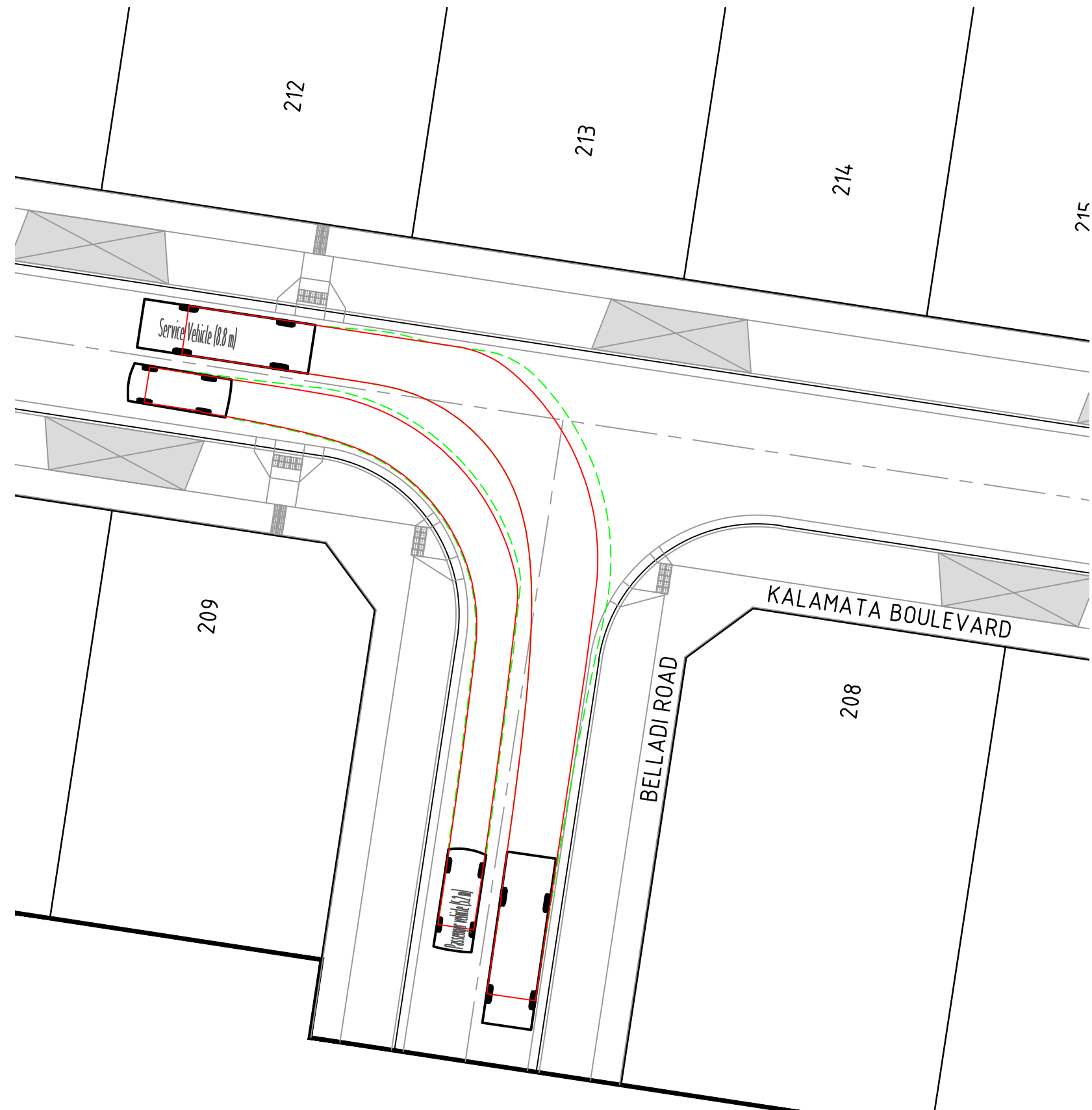
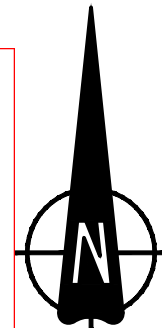
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Sheet: 5 of 6

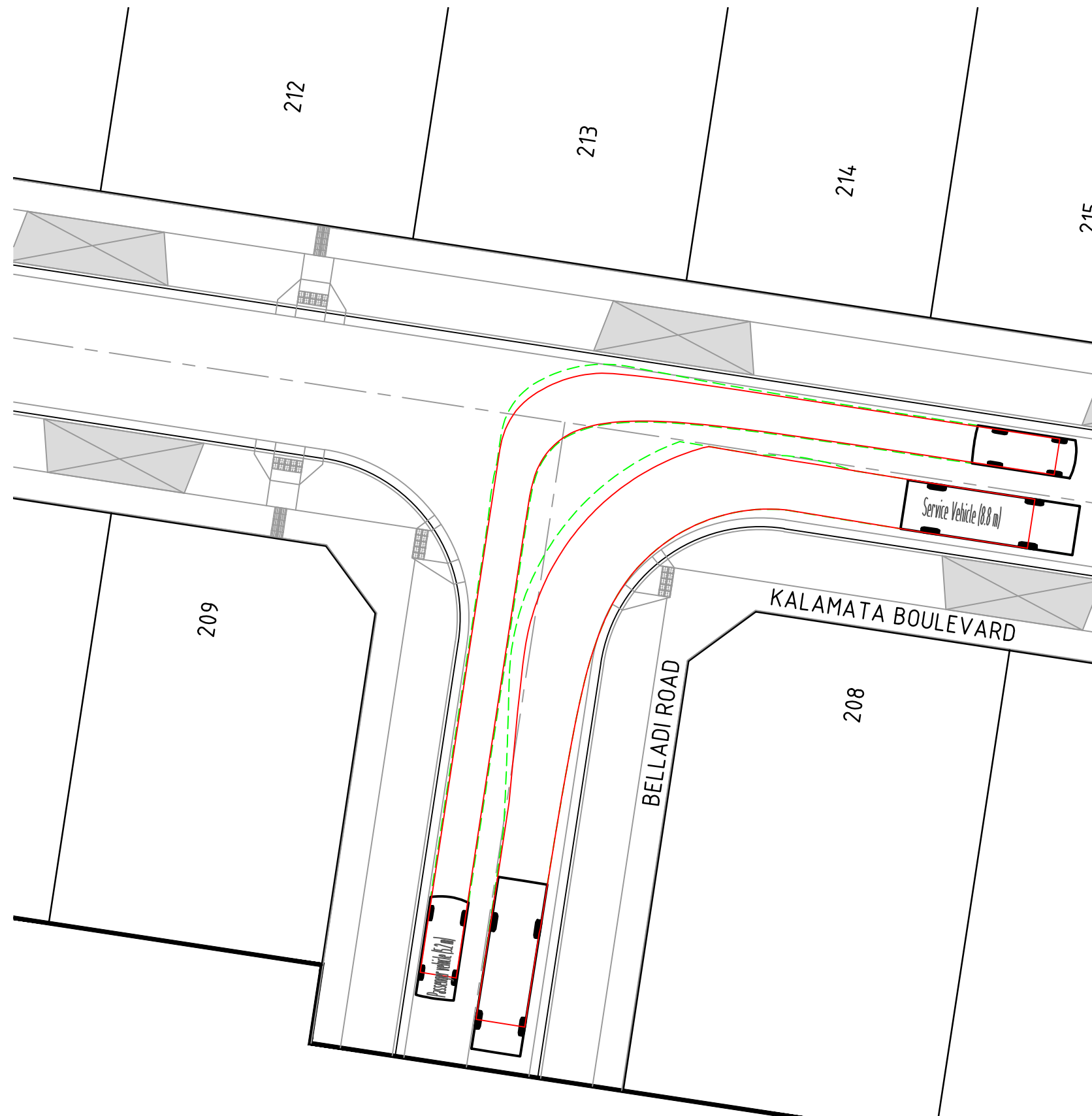
Approved by: Vithu Vijeyakumar

CARDINIA SHIRE COUNCIL

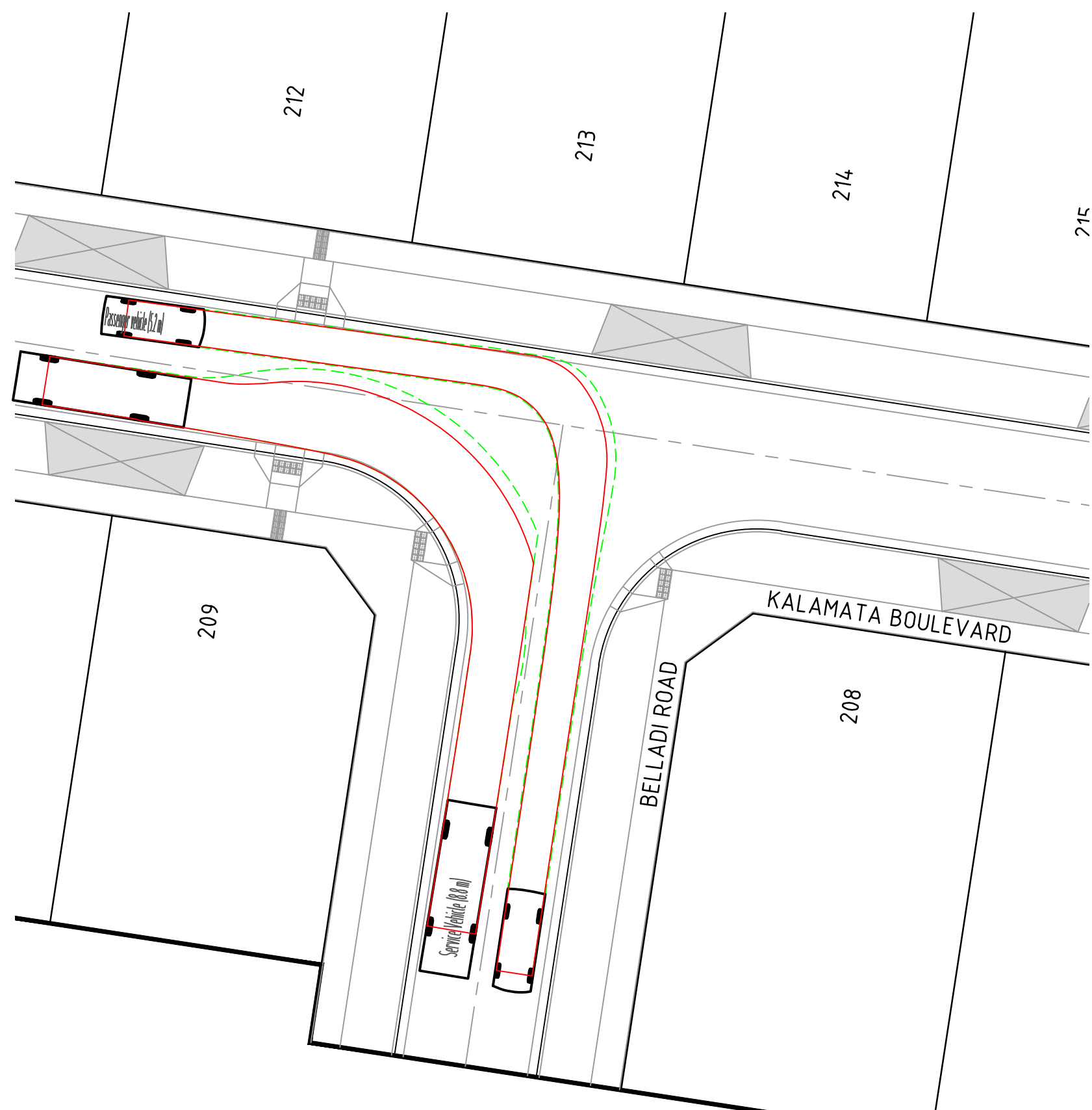
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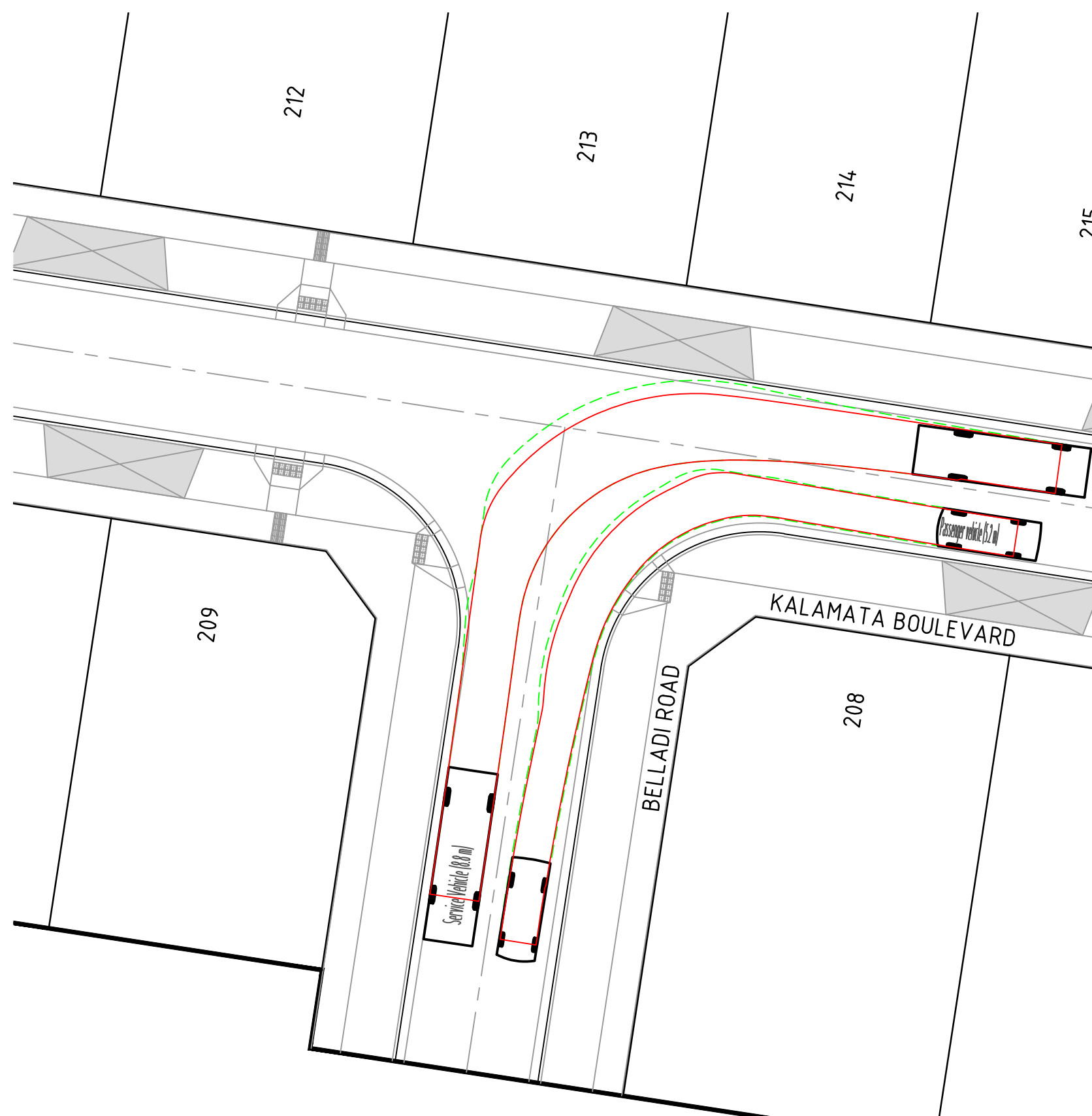
INTERSECTION OF KALAMATA BOULEVARD & BELLADI ROAD  
8.8m SERVICE VEHICLE - RIGHT IN



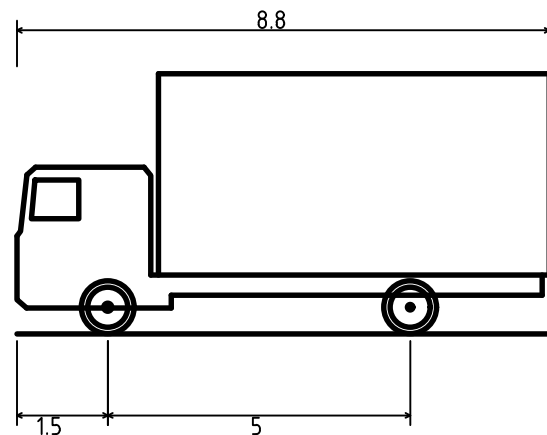
INTERSECTION OF KALAMATA BOULEVARD & BELLADI ROAD  
8.8m SERVICE VEHICLE - LEFT IN



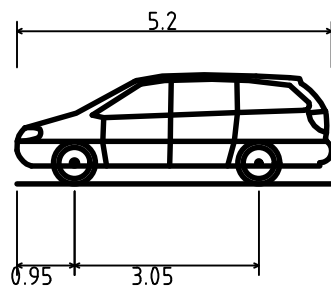
INTERSECTION OF KALAMATA BOULEVARD & BELLADI ROAD  
8.8m SERVICE VEHICLE - LEFT OUT



INTERSECTION OF KALAMATA BOULEVARD & BELLADI ROAD  
8.8m SERVICE VEHICLE - RIGHT OUT



Service Vehicle (8.8 m)  
Overall Length 8.800m  
Overall Width 2.500m  
Overall Body Height 4.300m  
Min Body Ground Clearance 0.427m  
Track Width 2.500m  
Lock-to-lock time 4.00s  
Curb to Curb Turning Radius 12.500m



Passenger vehicle (5.2 m)  
Overall Length 5.200m  
Overall Width 1.940m  
Overall Body Height 1.804m  
Min Body Ground Clearance 0.295m  
Track Width 1.840m  
Lock-to-lock time 4.00s  
Curb to Curb Turning Radius 6.300m

REV	DATE	DRN	CKD	APP	AMENDMENT
A	02.10.24	AP			INITIAL ISSUE

H 1:250  
SCALE @ A1



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Melbourne VIC 3004 T (03) 8548 1580  
E Melbourne.Reception@cosweb.com.au

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*Klon*

DESIGNED  
A. PARSONS

SCALE  
1:250

PROJECT

KALA ESTATE - STAGE 02

TITLE

FUNCTIONAL LAYOUT PLANS  
VEHICLE SWEEP PATHS (SHEET 1 OF 2)

MUNICIPALITY

CARDINIA SHIRE COUNCIL

PP No.

TBC

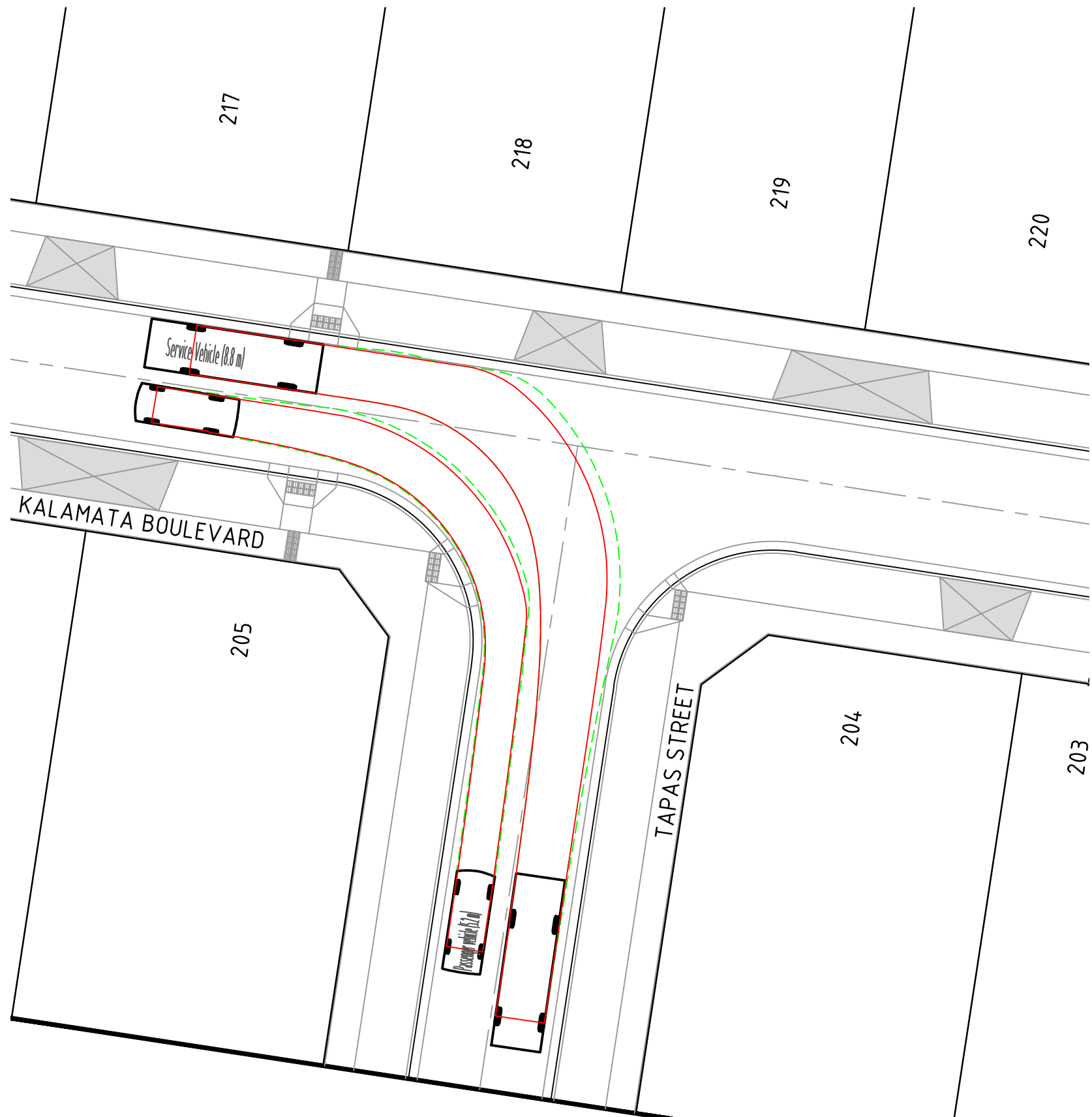
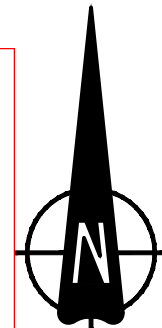
DRAWING No.

3086-02-940

REVISION  
A

ORIGINAL  
SIZE  
A1





INTERSECTION OF KALAMATA BOULEVARD & TAPAS STREET  
8.8m SERVICE VEHICLE - RIGHT IN



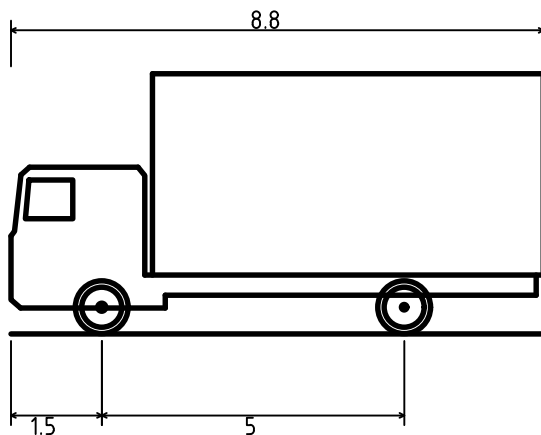
INTERSECTION OF KALAMATA BOULEVARD & TAPAS STREET  
8.8m SERVICE VEHICLE - LEFT IN



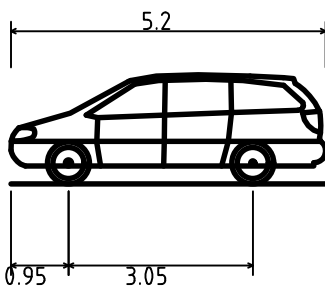
INTERSECTION OF KALAMATA BOULEVARD & TAPAS STREET  
8.8m SERVICE VEHICLE - LEFT OUT



INTERSECTION OF KALAMATA BOULEVARD & TAPAS STREET  
8.8m SERVICE VEHICLE - RIGHT OUT



Service Vehicle (8.8 m)  
Overall Length 8.800m  
Overall Width 2.500m  
Overall Body Height 4.300m  
Min Body Ground Clearance 0.427m  
Track Width 2.500m  
Lock-to-lock time 4.00s  
Curb to Curb Turning Radius 12.500m



Passenger vehicle (5.2 m)  
Overall Length 5.200m  
Overall Width 1.940m  
Overall Body Height 1.804m  
Min Body Ground Clearance 0.295m  
Track Width 1.840m  
Lock-to-lock time 4.00s  
Curb to Curb Turning Radius 6.300m

REV	DATE	DRN	CKD	APP	AMENDMENT
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H 1:250  
SCALE @ A1



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Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

CLIENT	<b>SIG GROUP</b>
APPROVED PE 0005927	DESIGNED A. PARSONS
SCALE 1:250	PP No. TBC

PROJECT	KALA ESTATE - STAGE 02
TITLE	FUNCTIONAL LAYOUT PLANS VEHICLE SWEEP PATHS (SHEET 2 OF 2)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
DRAWING No.	3086-02-941
REVISION	A

ORIGINAL  
SIZE  
A1