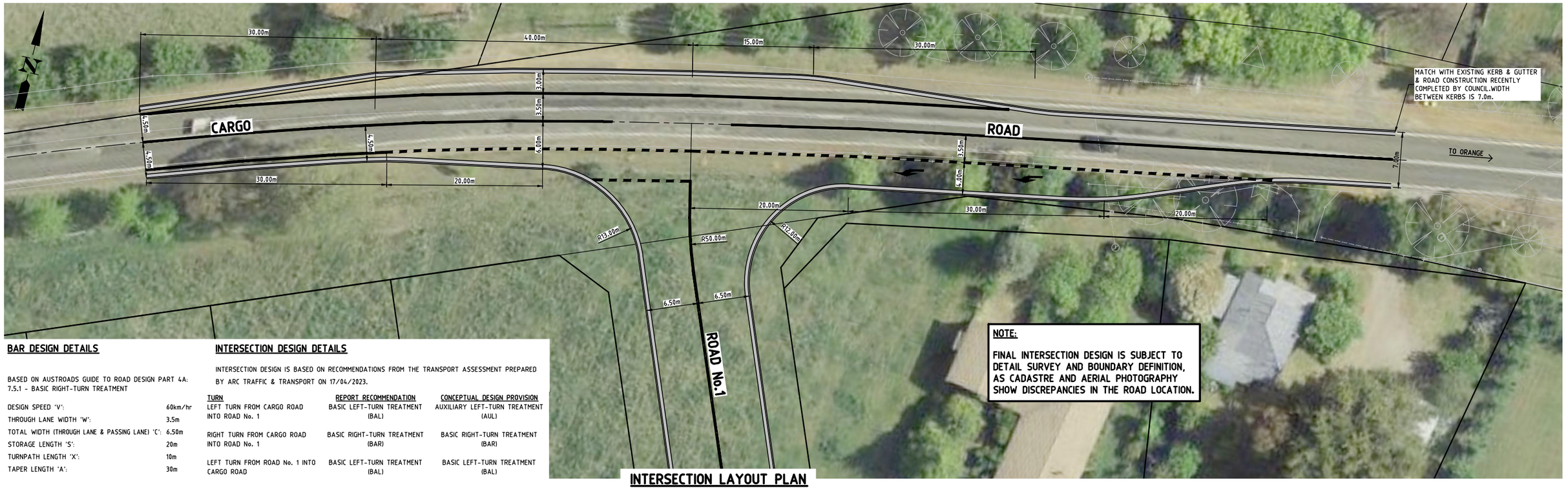


NOTE:

FINAL INTERSECTION DESIGN IS SUBJECT TO DETAIL SURVEY AND BOUNDARY DEFINITION, AS CADASTRE AND AERIAL PHOTOGRAPHY SHOW DISCREPANCIES IN THE ROAD LOCATION.

INTERSECTION LAYOUT PLAN

BAR DESIGN DETAILS

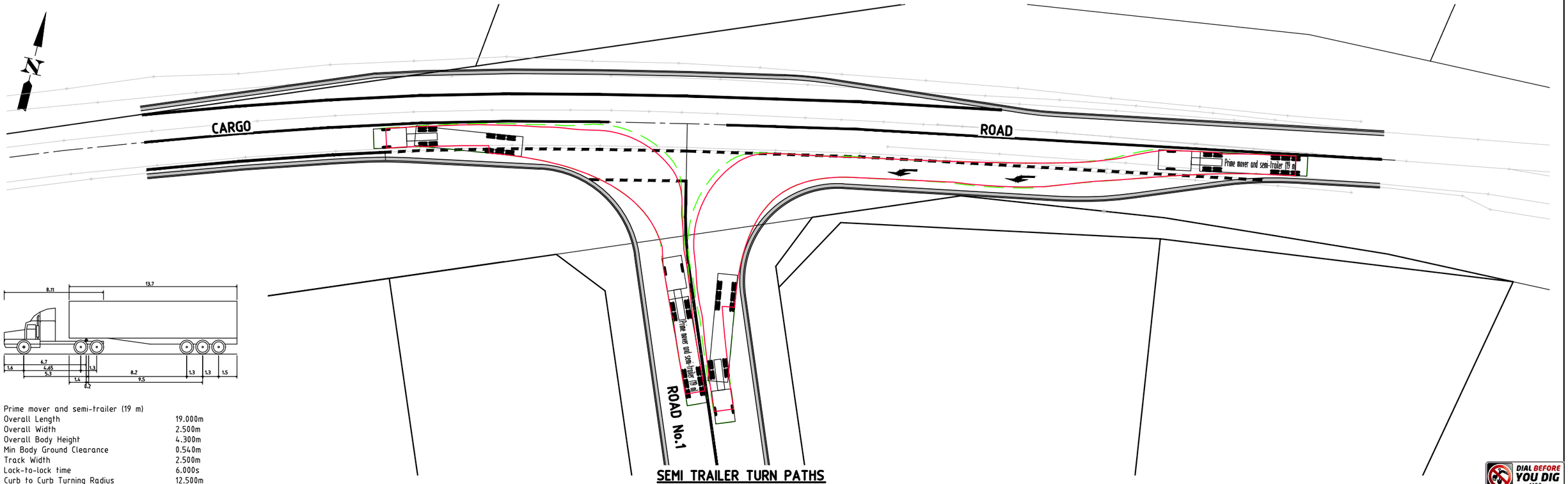
BASED ON AUSTROADS GUIDE TO ROAD DESIGN PART 4A: 7.5.1 - BASIC RIGHT-TURN TREATMENT

DESIGN SPEED 'V':	60km/hr
THROUGH LANE WIDTH 'W':	3.5m
TOTAL WIDTH (THROUGH LANE & PASSING LANE) 'C':	6.50m
STORAGE LENGTH 'S':	20m
TURNPATH LENGTH 'X':	10m
TAPER LENGTH 'A':	30m

INTERSECTION DESIGN DETAILS

INTERSECTION DESIGN IS BASED ON RECOMMENDATIONS FROM THE TRANSPORT ASSESSMENT PREPARED BY ARC TRAFFIC & TRANSPORT ON 17/04/2023.

TURN	REPORT RECOMMENDATION	CONCEPTUAL DESIGN PROVISION
LEFT TURN FROM CARGO ROAD INTO ROAD No. 1	BASIC LEFT-TURN TREATMENT (BAL)	AUXILIARY LEFT-TURN TREATMENT (AUL)
RIGHT TURN FROM CARGO ROAD INTO ROAD No. 1	BASIC RIGHT-TURN TREATMENT (BAR)	BASIC RIGHT-TURN TREATMENT (BAR)
LEFT TURN FROM ROAD No. 1 INTO CARGO ROAD	BASIC LEFT-TURN TREATMENT (BAL)	BASIC LEFT-TURN TREATMENT (BAL)



Prime mover and semi-trailer (19 m)

Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.540m
Track Width	2.500m
Lock-to-lock time	6.000s
Curb to Curb Turning Radius	12.500m

SEMI TRAILER TURN PATHS

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No.	DATE	AMENDMENT DESCRIPTION	APP'D
B	8/11/23	AMEND LINEMARKING	R.A.H
A	25/09/23	ISSUED FOR RMS APPROVAL	R.A.H.

SURVEY: - DATE:

DESIGN: R.A.H. DATE: SEPT. 2023

DRAWN BY: A.R. DATE: SEPT. 2023

CHECKED BY: DATE:

SCALES: 2.5 0 2.5 5 7.5 10 12.5m

SCALE 1:250 (A1) 1:500 (A3)

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HEATH CONSULTING ENGINEERS
HENGCON PTY LTD ACN 103 488 348
351 SUMMER STREET
PO BOX 2501
ORANGE NSW 2800
Telephone: (02) 6360 0755
Facsimile: (02) 6360 0766
Email: admin@heathce.com

CLIENT: LANDORANGE PARTNERSHIP

PROJECT: PROPOSED DEVELOPMENT LOT A D.P.408148, 277 CARGO ROAD, ORANGE

JOB No. 19_073

DRAWING No. 19073-INT01

DRAWING TITLE: CONCECPTUAL INTERSECTION LAYOUT

Sheet No. 1 of 1 Sheets

REV. B