6 15/11/2019 ISSUED FOR INFORMATION XDH XDH IP XDH HC PM 5 23/08/2019 ISSUED FOR INFORMATION XDH XDH IP 31/07/2019 ISSUED FOR INFORMATION XDH 14/05/2019 ISSUED FOR INFORMATION XDH 2/04/2019 ISSUED FOR INFORMATION 18/02/2019 ISSUED FOR INFORMATION XDH Des. Verif. Appd. Description



NOTE:

1. IMAGERY SOURCED FROM NEARMAP MARCH, 2019

LEGEND

EXISTING PROPERTY BOUNDARY

SCALE 1:500 (A1), 1:1000 (A3)

CALDERWOOD ROAD / TRIPOLI WAY CONCEPT LAYOUT

SCALE 1:500

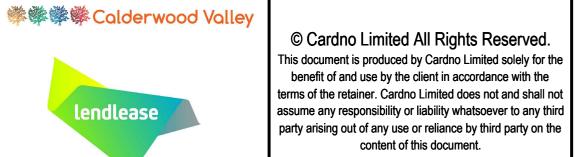
Drawn EKM

Checked MPR

Designed XDH

Verified XDH

Approved





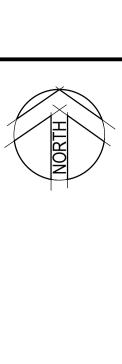
Cardno (NSW/ACT) Pty Ltd ABN 95 001 145 035
Ground Floor, 16 Burelli Street
Wollongong NSW 2500
Tel: 02 4231 9600 Fax: 02 4228 6811
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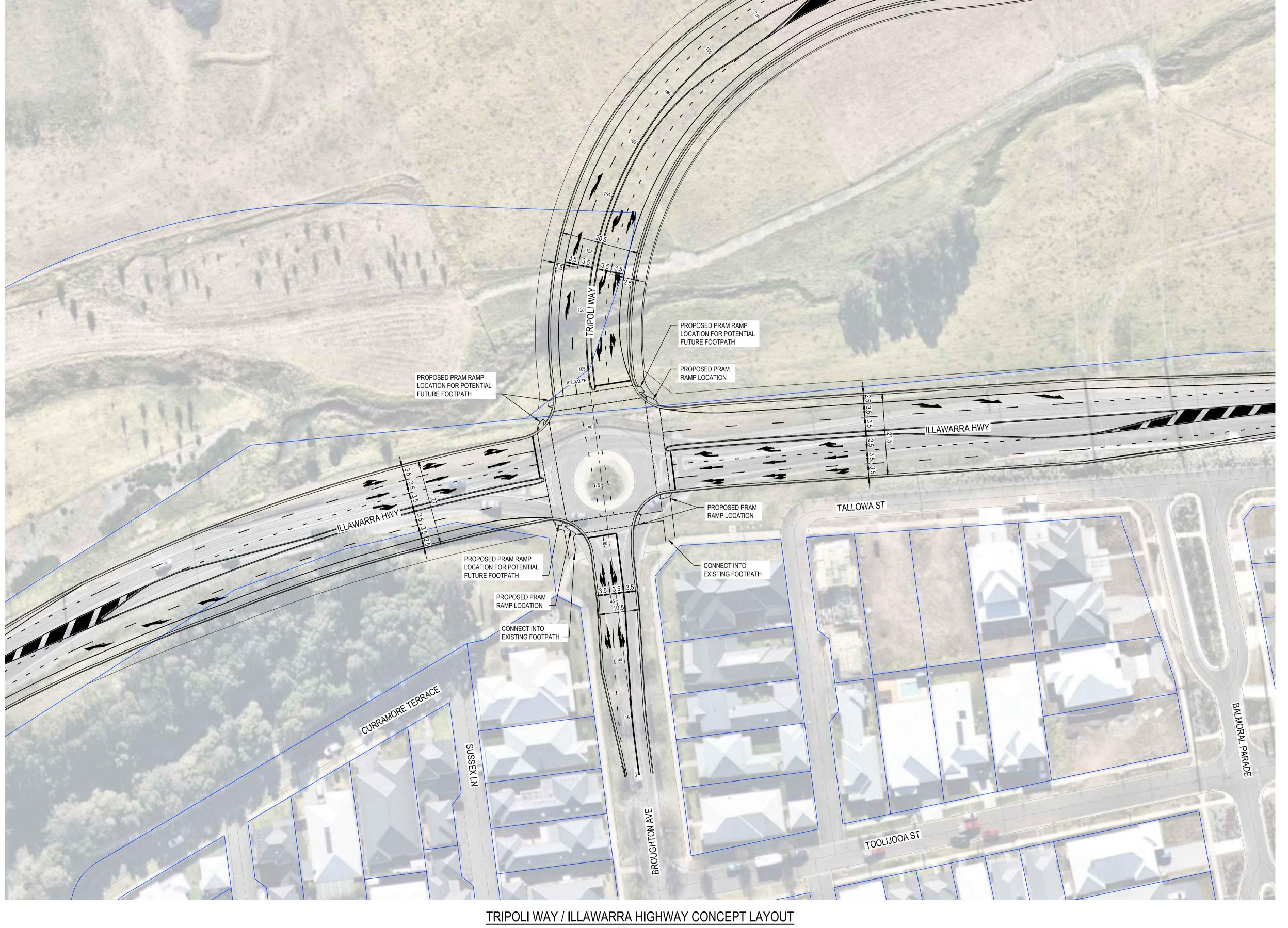
Date 31/07/2019	Client LENDLEASE
Date 31/07/2019	Project CALDERWOOD ROAD / 1
Date 31/07/2019	CONCEPT DESIGN
Date	
31/07/2019	Title CALDERWOOD ROAD / 1 CONCEPT LAYOUT PLAN

	LENDLEASE
Project	CALDERWOOD ROAD / TRIPOLI WAY INTERSECTION
	CONCEPT DESIGN

CONCEPT DESIGN	NOT TO BE USED FOR CONSTRUCTION		
	DATUM		Scale
CALDERWOOD ROAD / TRIPOLI WAY INTERSECTION	AHD		1:500
CONCEPT LAYOUT PLAN	Drawing Number		
CONCLETEATOUT FLAN	820	15040-54-	-SK035

Status	PRELIN	MINARY			
NOT TO BE USED FOR CONSTRUCTION PURPOS					
DATUM		Scale	Size		
AHD		1:500	A1		
Drawing Number			Revisio		





NOTE:

1. IMAGERY SOURCED FROM NEARMAP MARCH, 2019

LEGEND

EXISTING PROPERTY BOUNDARY

SCALE 1:500 (A1), 1:1000 (A3)

SCALE 1:500

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eN							Calderwood Valley
alo							Caldel wood valley
, -	6	15/11/2019	ISSUED FOR INFORMATION	XDH	XDH	IP	
-04	5	23/08/2019	ISSUED FOR INFORMATION	XDH	НС	PM	
2	4	31/07/2019	ISSUED FOR INFORMATION	XDH	XDH	IP	
<u>_</u>	3	14/05/2019	ISSUED FOR INFORMATION	XDH			lendlease
 O	2	2/04/2019	ISSUED FOR INFORMATION	XDH			
#	1	18/02/2019	ISSUED FOR INFORMATION	XDH			
S F	Rev.	Date	Description	Des.	Verif.	Appd.	

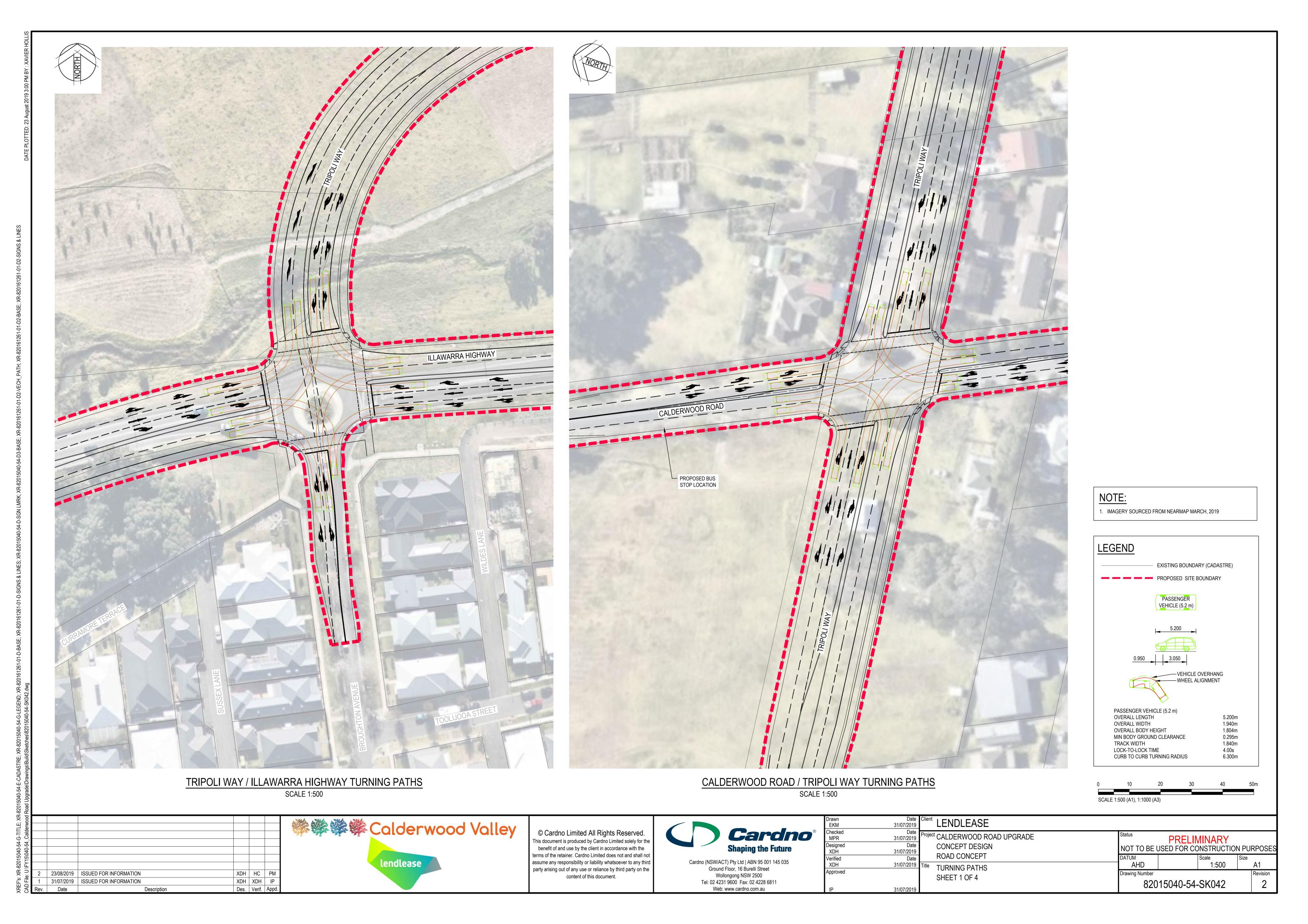
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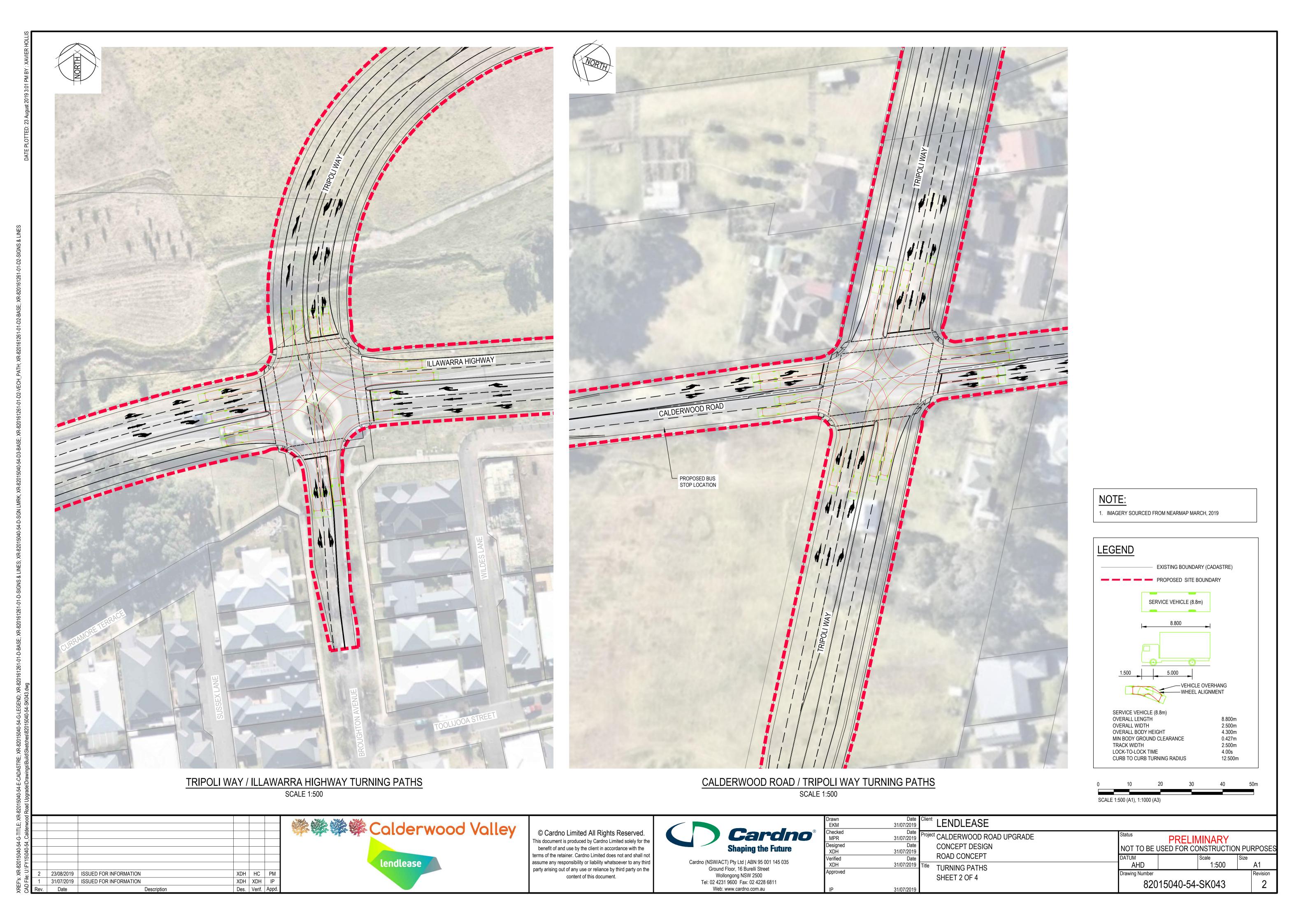
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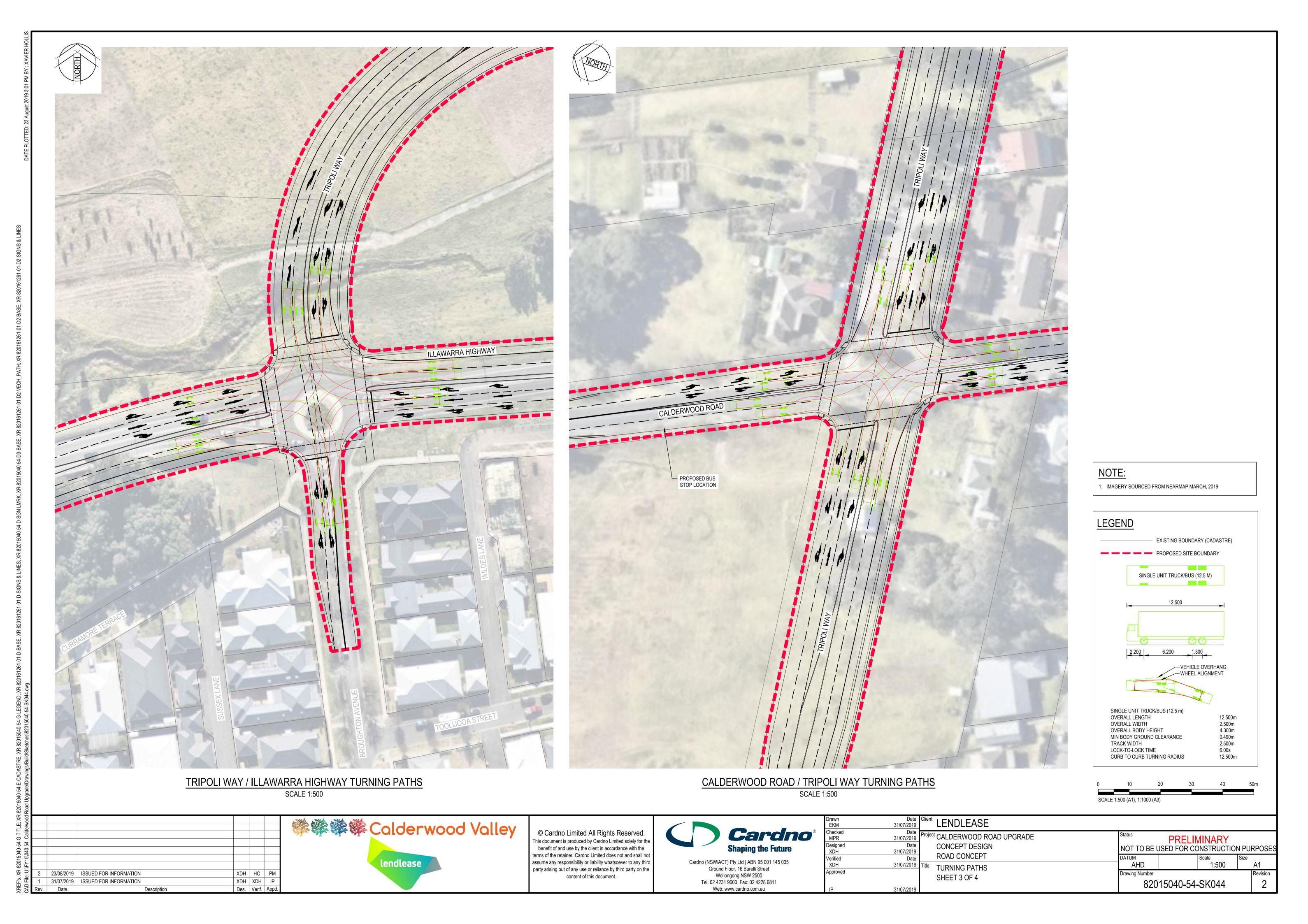
	Cardno Shaping the Future
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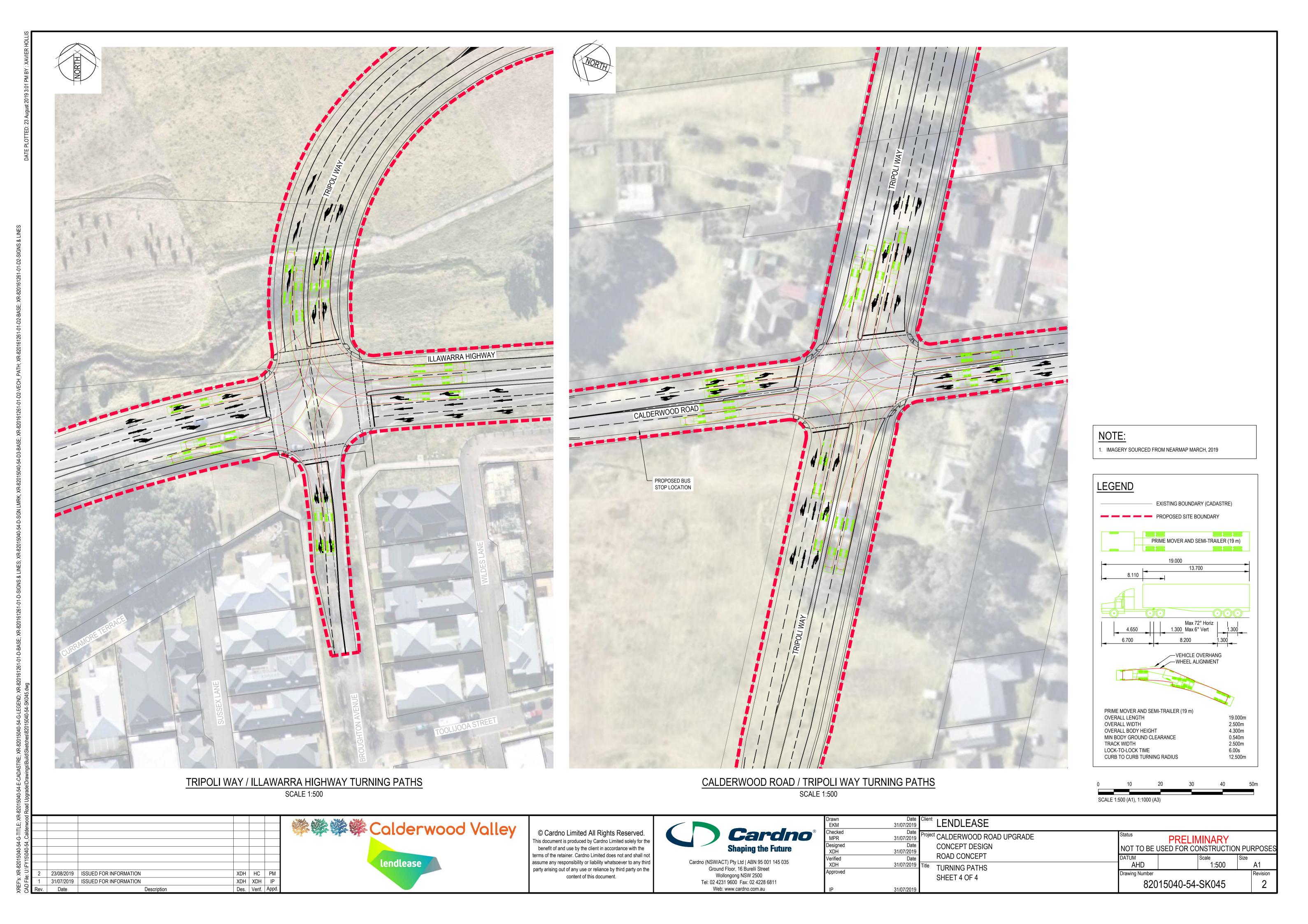
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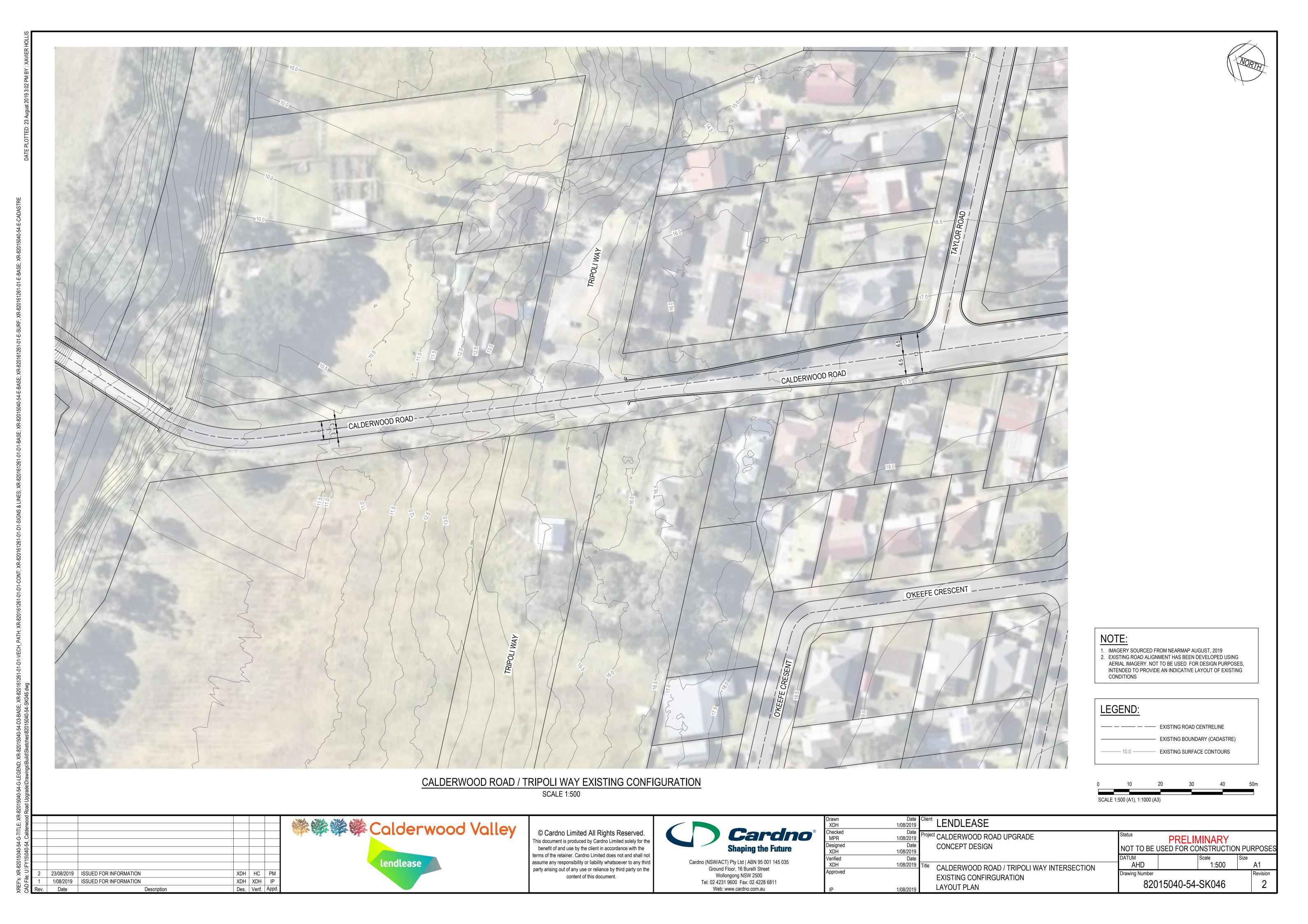
rawn EKM	31/07/2019	Client LENDLEASE					
hecked MPR	Date 31/07/2019	Project CALDERWOOD ROAD / TRIPOLI WAY INTERSECTION	Status	PRELIM	MNARY		
esigned XDH	Date 31/07/2019	CONCEPT DESIGN	NOT TO BE U	JSED FOR CO)N PUF	₹
erified XDH	Date 31/07/2019	ROAD CONCEPT Title TRIPOLI WAY / ILLAWARRA HIGHWAY INTERSECTION	DATUM AHD		Scale 1:500	Size	7
pproved		CONCEPT LAYOUT PLAN	Drawing Number	15040-54-	SKU36		R
IP	31/07/2019		1 020	100 1 0-0 1 -	011000		

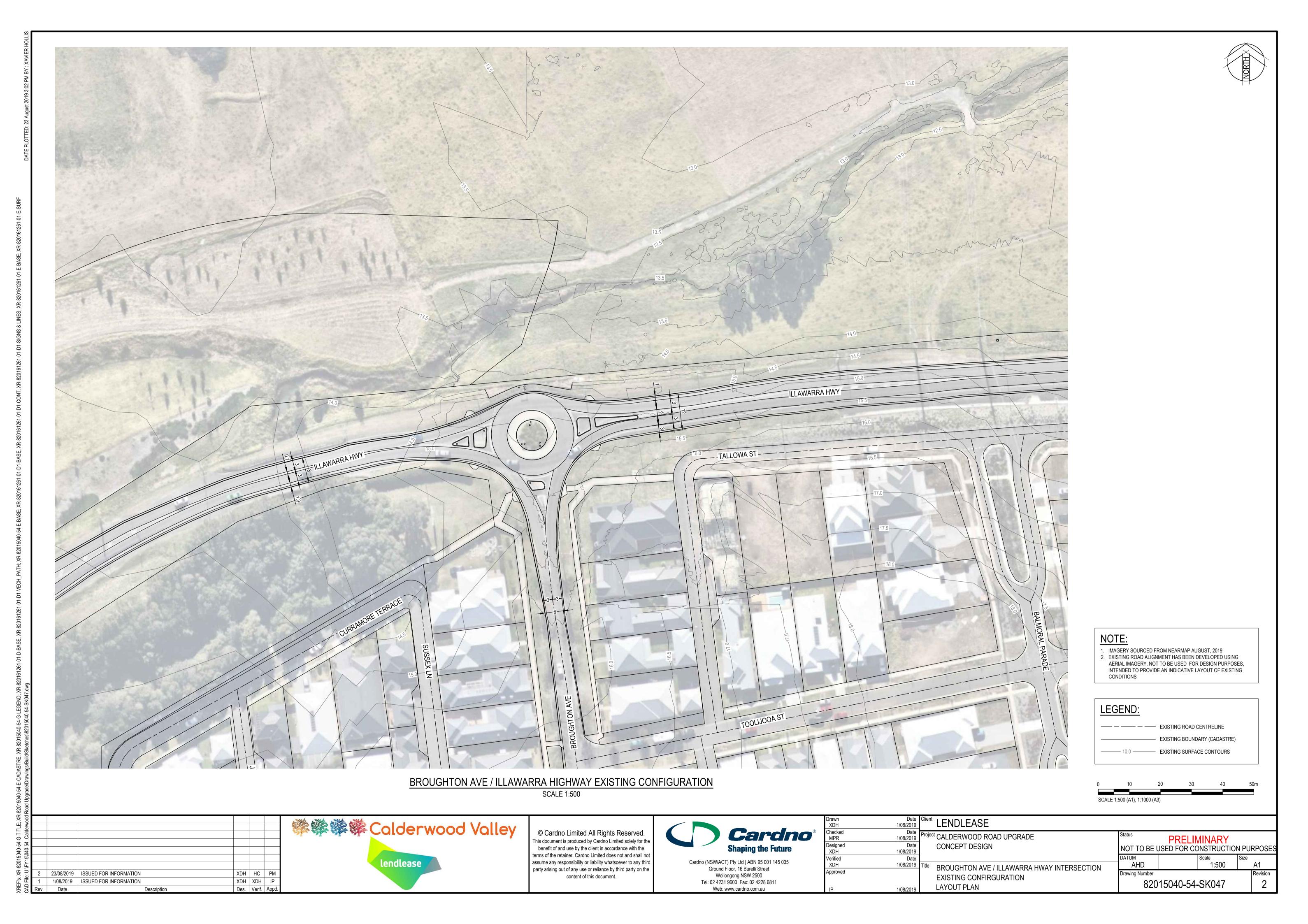


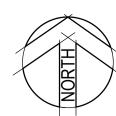


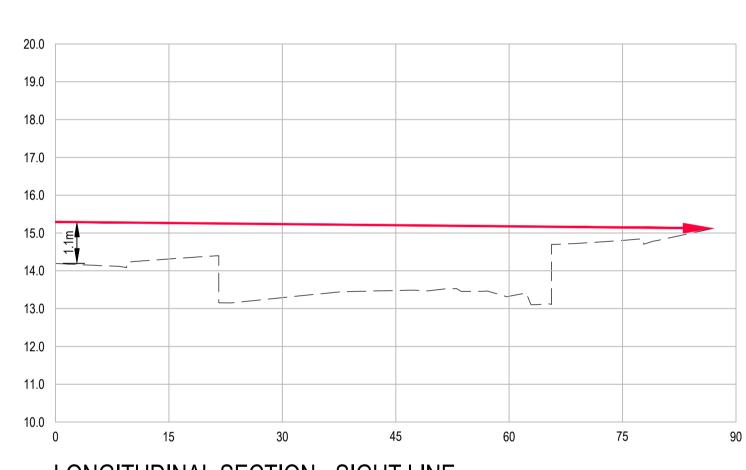










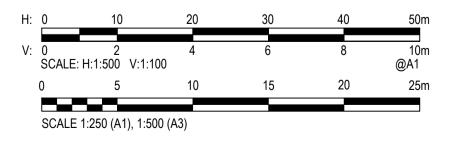


LONGITUDINAL SECTION - SIGHT LINE SCALE - HORIZ 1:500 VERT 1:100 (VERTICAL 5x EXAGGERATED)

APPROACH SIGHT DISTANCE (ASD)

RT (REACTION TIME) = 2.0 s (TABLE 5.2 - AGRD PART 3) V (DESIGN SPEED) = 70 km/h (SIGN POSTED SPEED + 10 km/h) d (COEFFICIENT OF DECELERATION) = 0.36 (TABLE 5.3 - AGRD PART 3) a (LONGITUDINAL GRADE) = 1.0%

MINIMUM REQUIRED ASD = 91.03 m



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ILLAWARRA HIGHWAY

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	JWS	15/11/2019
R	Checked	Date
	BAH	15/11/2019
	Designed	Date
	MPR	23/08/2019
	Verified	Date
	XDH	23/08/2019
	Approved	

te 9	Client	LENDLEASE
te 9	Project	CALDERWOOD ROAD UPGRADE
te 9		CONCEPT DESIGN
te		ROAD CONCEPT
9	Title	SIGHT DISTANCE LAYOUT PLAN
		AND LONG SECTION

Status	PRELIN	JINARY				
NOT TO BE USED FOR CONSTRUCTION P						
DATUM		Scale	Size			
AHD		AS SHOWN		A1		
Drawing Number						
82015040-54-SK049						

15/11/2019 ISSUED FOR INFORMATION MPR XDH Des. Verif. Appd. Date Description

Calderwood Valley lendlease

SIGHT DISTANCE LAYOUT

SCALE 1:250