











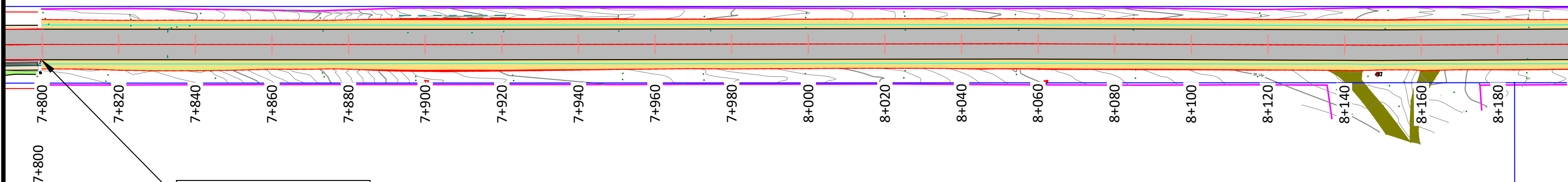
# LEGEND

-  CADASTRAL BOUNDARY (DCDB)
-  FENCE LINE
-  FOG LINE
-  CENTRELINE OF ROAD
-  EDGE OF BITUMEN
-  EDGE OF UNSEALED SHOULDER
-  STORMWATER PIPE
-  SURVEY CONTROL POINT
-  DENOTES TREE
-  DENOTES CUT AND FILL

LOT 246  
DP 750934

LOT 217  
DP 750934

← TOWARDS MERRIWA



TIE INTO EXISTING  
CONSTRUCTED  
ROAD. DESIGNED  
BY HEC



DATE:	REVISION:	DESCRIPTION:
24.01.2023	0	CLIENT REVIEW

PROJECT:  
RINGWOOD ROAD UPGRADE











DRAWING TITLE:  
Proposed Alignment

ISSUE STATUS:  
CONCEPTUAL DESIGN CLIENT REVIEW

SCALE: 1:1000
DWG No: HEC22_
JOB No: 22Q3J3
COORDINATE SYSTEM: MGA ZONE 56 GDA 2020
DATUM: AHD

SURVEYED: RAP SURVEYING	
DESIGNED: RS	DRAWN: RJ
SHEET: 6	REV: 0

# LEGEND

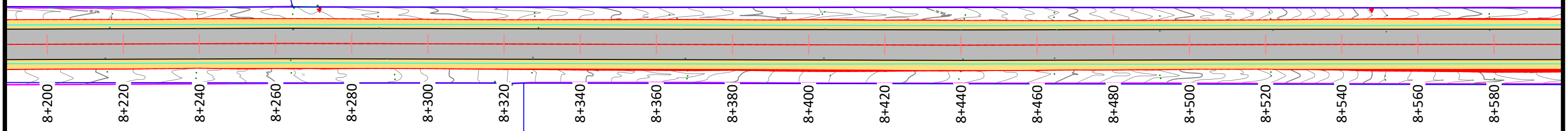
	CADASTRAL BOUNDARY (DCDB)
	FENCE LINE
	FOG LINE
	CENTRELINE OF ROAD
	EDGE OF BITUMEN
	EDGE OF UNSEALED SHOULDER
	STORMWATER PIPE
	SURVEY CONTROL POINT
	DENOTES TREE
	DENOTES CUT AND FILL



LOT 222  
DP 750934

LOT 223  
DP 750934

← TOWARDS MERRIWA



8+200 8+220 8+240 8+260 8+280 8+300 8+320 8+340 8+360 8+380 8+400 8+420 8+440 8+460 8+480 8+500 8+520 8+540 8+560 8+580

LOT 237  
DP 750934

LOT 217  
DP 750934



CLIENT:



DATE:	REVISION:	DESCRIPTION:
24.01.2023	0	CLIENT REVIEW

PROJECT:  
RINGWOOD ROAD UPGRADE

DRAWING TITLE:  
Proposed Alignment

ISSUE STATUS:  
CONCEPTUAL DESIGN CLIENT REVIEW

SCALE:  
1:1000

DWG No: HEC22_	DESIGNED: RS	DRAWN: RJ
JOB No: 22Q3J3	SHEET: 7	REV: 0
COORDINATE SYSTEM: MGA ZONE 56 GDA 2020	DATUM: AHD	

SURVEYED:  
RAP SURVEYING

# LEGEND

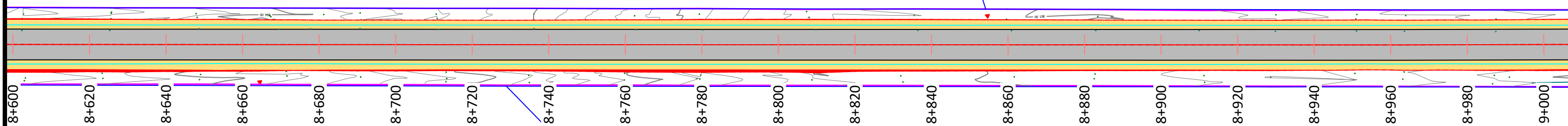


	CADASTRAL BOUNDARY (DCDB)
	FENCE LINE
	FOG LINE
	CENTRELINE OF ROAD
	EDGE OF BITUMEN
	EDGE OF UNSEALED SHOULDER
	STORMWATER PIPE
	SURVEY CONTROL POINT
	DENOTES TREE
	DENOTES CUT AND FILL

LOT 223  
DP 750934

LOT 224  
DP 750934

← TOWARDS MERRIWA



LOT 217  
DP 750934

LOT 220  
DP 750934



CLIENT:



DATE:	REVISION:	DESCRIPTION:
24.01.2023	0	CLIENT REVIEW

PROJECT:  
RINGWOOD ROAD UPGRADE

DRAWING TITLE:  
Proposed Alignment

ISSUE STATUS:  
CONCEPTUAL DESIGN CLIENT REVIEW

SCALE:  
1:1000

DWG No: HEC22_	DESIGNED: RS	DRAWN: RJ
JOB No: 22Q3J3	SHEET: 8	REV: 0
COORDINATE SYSTEM: MGA ZONE 56 GDA 2020		
DATUM: AHD		

SURVEYED:  
RAP SURVEYING

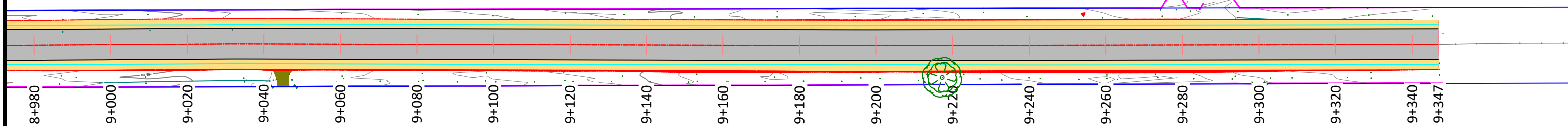
# LEGEND



	CADASTRAL BOUNDARY (DCDB)
	FENCE LINE
	FOG LINE
	CENTRELINE OF ROAD
	EDGE OF BITUMEN
	EDGE OF UNSEALED SHOULDER
	STORMWATER PIPE
	SURVEY CONTROL POINT
	DENOTES TREE
	DENOTES CUT AND FILL

LOT 224  
DP 750934

← TOWARDS MERRIWA



LOT 220  
DP 750934



DATE:	REVISION:	DESCRIPTION:
24.01.2023	0	CLIENT REVIEW

PROJECT:  
RINGWOOD ROAD UPGRADE

DRAWING TITLE:  
Proposed Alignment

ISSUE STATUS:  
CONCEPTUAL DESIGN CLIENT REVIEW

SCALE: 1:1000
DWG No: HEC22_
JOB No: 22Q3J3
COORDINATE SYSTEM: MGA ZONE 56 GDA 2020
DATUM: AHD

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DESIGNED: RS	DRAWN: RJ
SHEET: 9	REV: 0

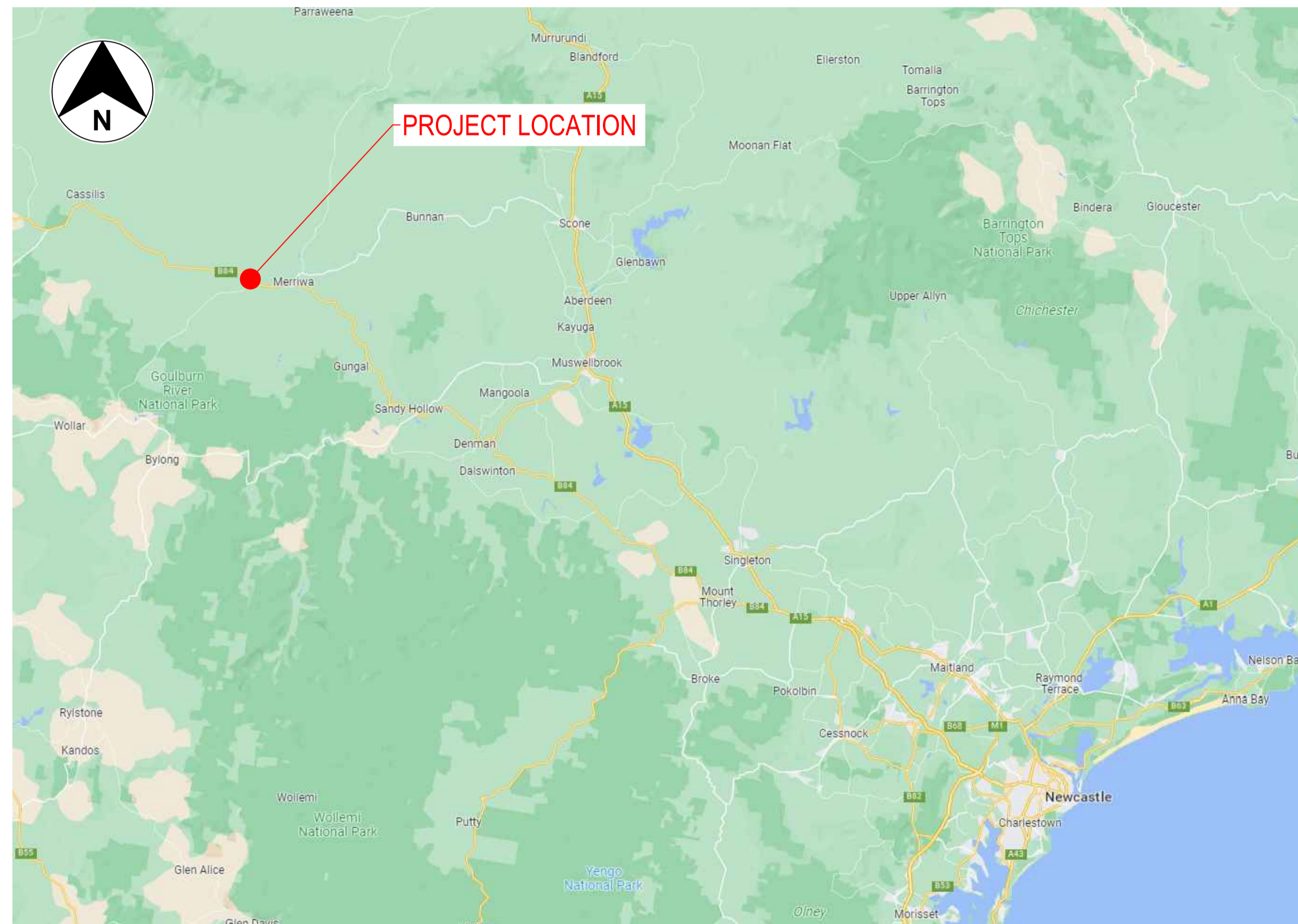
## Appendix B Intersection upgrades

# GOULBURN RIVER SOLAR FARM

## RINGWOOD ROAD AND GOLDEN HIGHWAY INTERSECTION

### ROAD UPGRADE

### STRATEGIC DESIGN




LOCALITY PLAN  
NOT TO SCALE

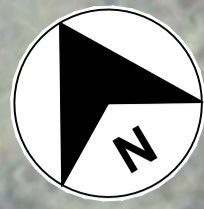
#### DRAWING INDEX

SHEET No.	SHEET TYPE	SHEET DETAILS	No. OF SHEETS	ISSUE
01-GN-0001	ROAD ALIGNMENT	COVER SHEET AND DRAWING INDEX	1 OF 1	A
01-RD-0101	ROAD ALIGNMENT	PLAN	1 OF 3	A
01-RD-0102	ROAD ALIGNMENT	PLAN	2 OF 3	A
01-RD-0103	ROAD ALIGNMENT	PLAN	3 OF 3	A
01-RD-0201	ROAD ALIGNMENT	TYPICAL CROSS SECTION	1 OF 1	A

**NOT FOR CONSTRUCTION**

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

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EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No.	APPROVAL	SCALES ON A1 SIZE DRAWING			DESIGNER			CLIENT			SHEET 1 OF 1
				A	27.10.23	STRATEGIC DESIGN			-	RB										
							CO-ORDINATE SYSTEM MGA ZONE 56 (GDA2020)			HEIGHT DATUM AHD			DATE							
										DRAWN			DATE							
										DRG CHECK			DATE							
													DESIGN							
													DESIGN CHECK							
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													PROJECT MNGR							
																DRAWING NUMBER 0305-DRG-01-RD-0001				
																ISSUE STATUS STRATEGIC DESIGN			SHEET No. 01-RD-0001	ISSUE A



LEGEND	
GENERAL	
	DESIGN
	CADASTRAL
	SURVEY
	SAFETY BARRIER
ROAD GEOMETRY	
	CONTROL LINE AND CHAINAGE
	CONTROL LINE LABEL
	LINE MARKING LABEL
	EXISTING SIGN
PAVEMENT AND KERBS	
	NEW PAVEMENT



- NOTES**
- DESIGN IS UNDERTAKEN IN 2D.
  - SURVEY SHOWN HAS BEEN PROVIDED BY UMWELT (11/09/2023).
  - BOUNDARIES HAVE BEEN SOURCED FROM SIX MAPS "Clip 'n' Snip".
  - PAVEMENT DESIGN AND JOINTING IS EXCLUDED.
  - PROPOSED BARRIER LOCATION IS SHOWN INDICATIVELY ONLY.
  - EXISTING GUIDE POSTS ALONG BARRIER EXTENTS ARE TO BE REMOVED.

**NOT FOR CONSTRUCTION**

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED 50mm ON A3 SIZE ORIGINAL

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														ISSUE A	



**LEGEND**

**GENERAL**

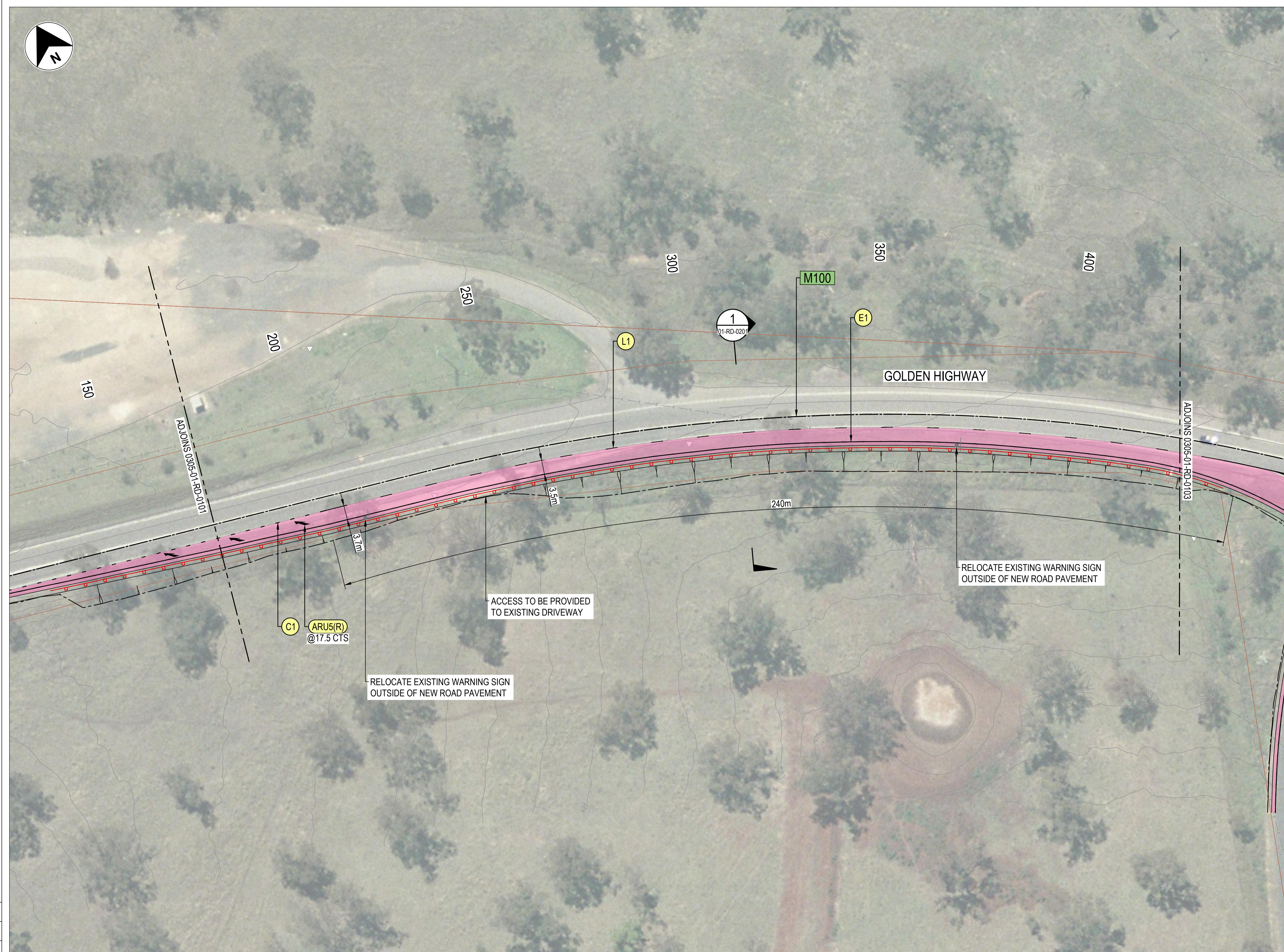
- DESIGN
- CADASTRAL
- SURVEY
- SAFETY BARRIER

**ROAD GEOMETRY**

- CONTROL LINE AND CHAINAGE
- CONTROL LINE LABEL (MCXX)
- LINE MARKING LABEL (C1)
- EXISTING SIGN

**PAVEMENT AND KERBS**

- NEW PAVEMENT



- NOTES**
- DESIGN IS UNDERTAKEN IN 2D.
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**NOT FOR CONSTRUCTION**

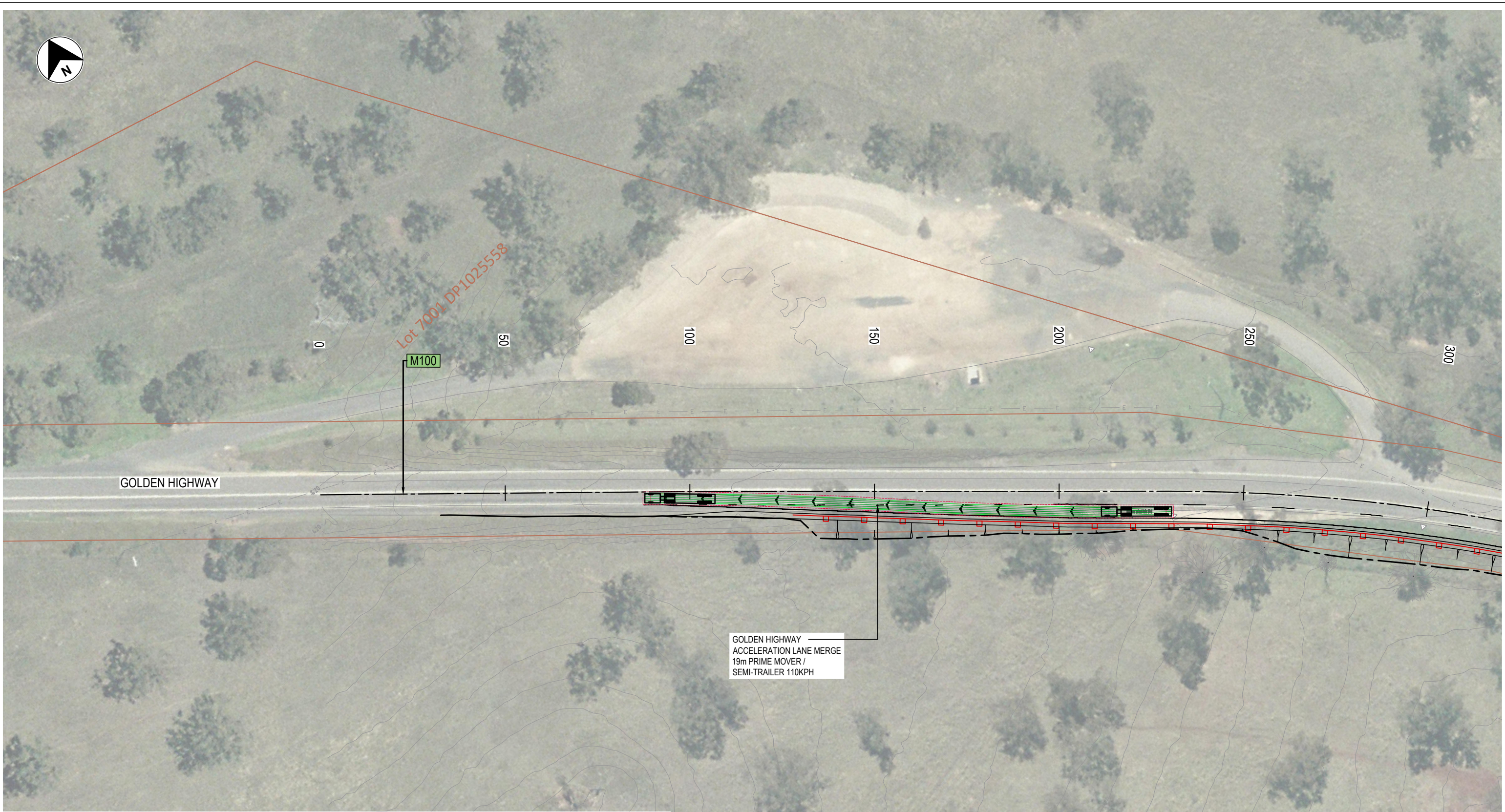
THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

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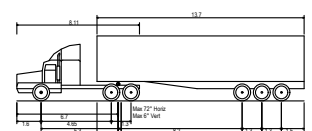




**NOTES**

1. NO ASSESSMENT HAS BEEN UNDERTAKEN FOR EXISTING PAVEMENT.
2. TURN PATHS PRESENTED IS THE INTENDED OPERATIONS OF TRAFFIC ASSOCIATED WITH GOULBURN SOLAR FARM. ONLY THE DISPLAYED MOVEMENTS WILL BE PERMITTED.
3. SURVEY SHOWN HAS BEEN PROVIDED BY UMWELT (11/09/2023).
4. BOUNDARIES HAVE BEEN SOURCED FROM SIX MAPS "Clip 'n' Snip".
5. NO ASSESSMENT HAS BEEN UNDERTAKEN FOR THE EXISTING GOLDEN HIGHWAY AND RINGWOOD ROAD INTERSECTION RIGHT TURN IN AND RIGHT TURN OUT MOVEMENTS. EXISTING VEHICLE MOVEMENTS AND INTERSECTION LAYOUT TO BE RESPECTED.

**VEHICLE TURN PATH PROFILE**



Prime mover and semi-trailer (19 m)	19.000m
Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.340m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

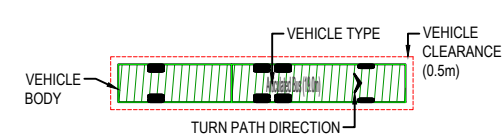
**GENERAL**

- DESIGN
- CADASTRAL
- SURVEY
- SAFETY BARRIER

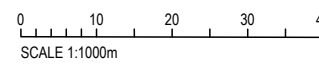
**ROAD GEOMETRY**

- CONTROL LINE AND CHAINAGE
- CONTROL LINE LABEL

**VEHICLE TURN PATH LEGEND**



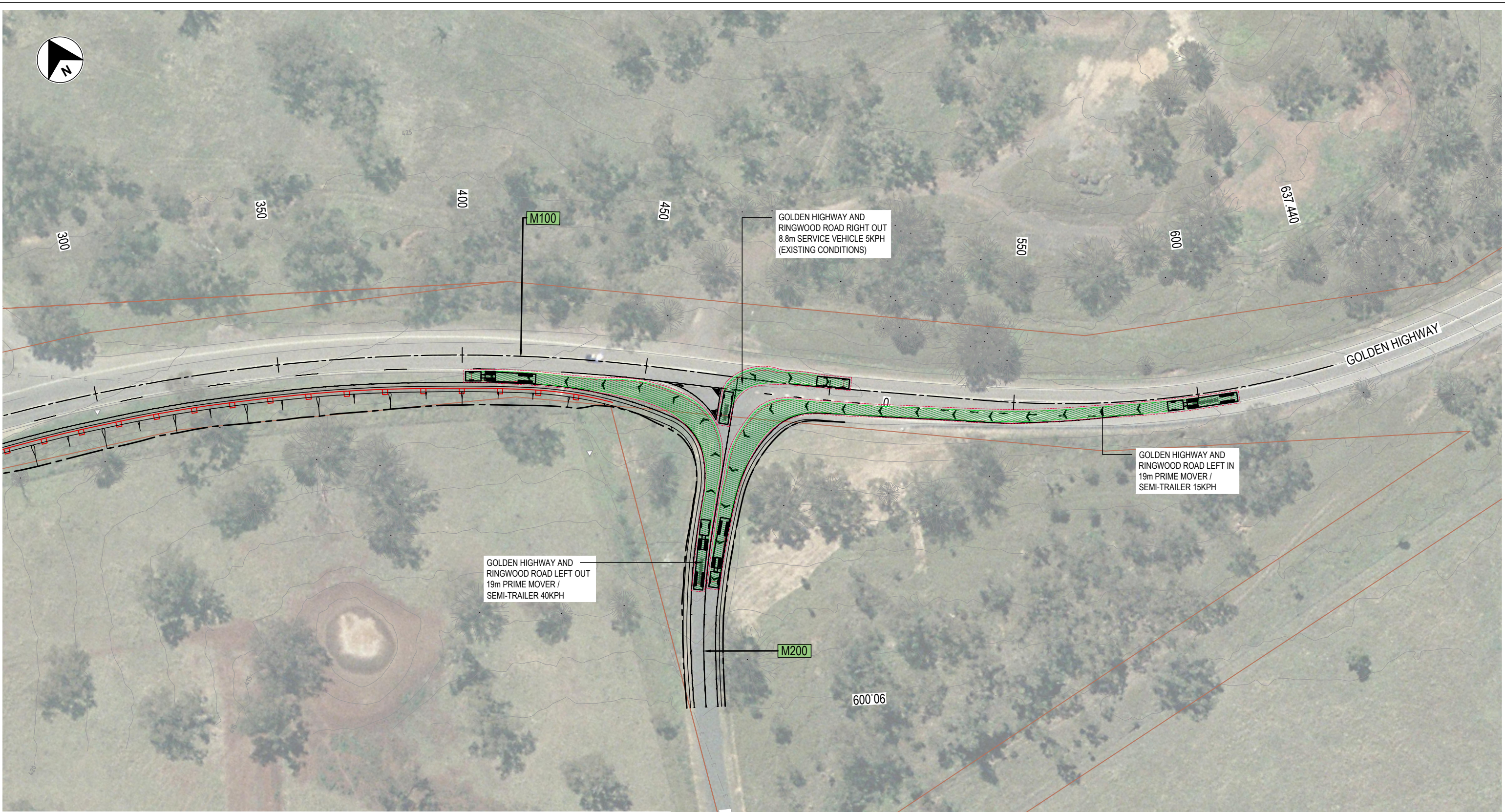
**FOR INFORMATION ONLY**



GOLBURN RIVER SOLAR FARM  
 RINGWOOD ROAD AND GOLDEN HIGHWAY INTERSECTION  
 SWEEP PATHS  
 SHEET 1 OF 4  
 27/10/2023



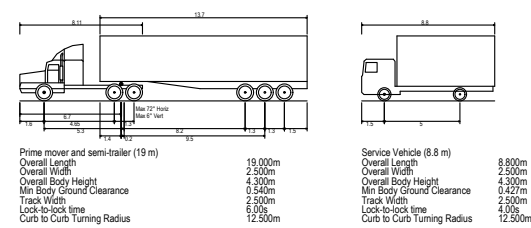
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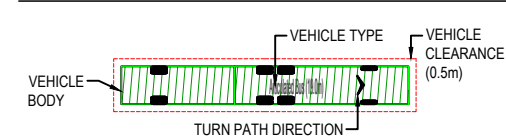
**NOTES**

1. NO ASSESSMENT HAS BEEN UNDERTAKEN FOR EXISTING PAVEMENT.
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3. SURVEY SHOWN HAS BEEN PROVIDED BY UMWELT (11/09/2023).
4. BOUNDARIES HAVE BEEN SOURCED FROM SIX MAPS "Clip 'n' Snip".
5. NO ASSESSMENT HAS BEEN UNDERTAKEN FOR THE EXISTING GOLDEN HIGHWAY AND RINGWOOD ROAD INTERSECTION RIGHT TURN IN AND RIGHT TURN OUT MOVEMENTS. EXISTING VEHICLE MOVEMENTS AND INTERSECTION LAYOUT TO BE RESPECTED.

**VEHICLE TURN PATH PROFILE**



**VEHICLE TURN PATH LEGEND**

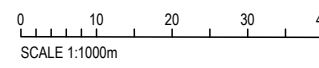


**GENERAL**

- DESIGN
- CADASTRAL
- SURVEY
- SAFETY BARRIER

**ROAD GEOMETRY**

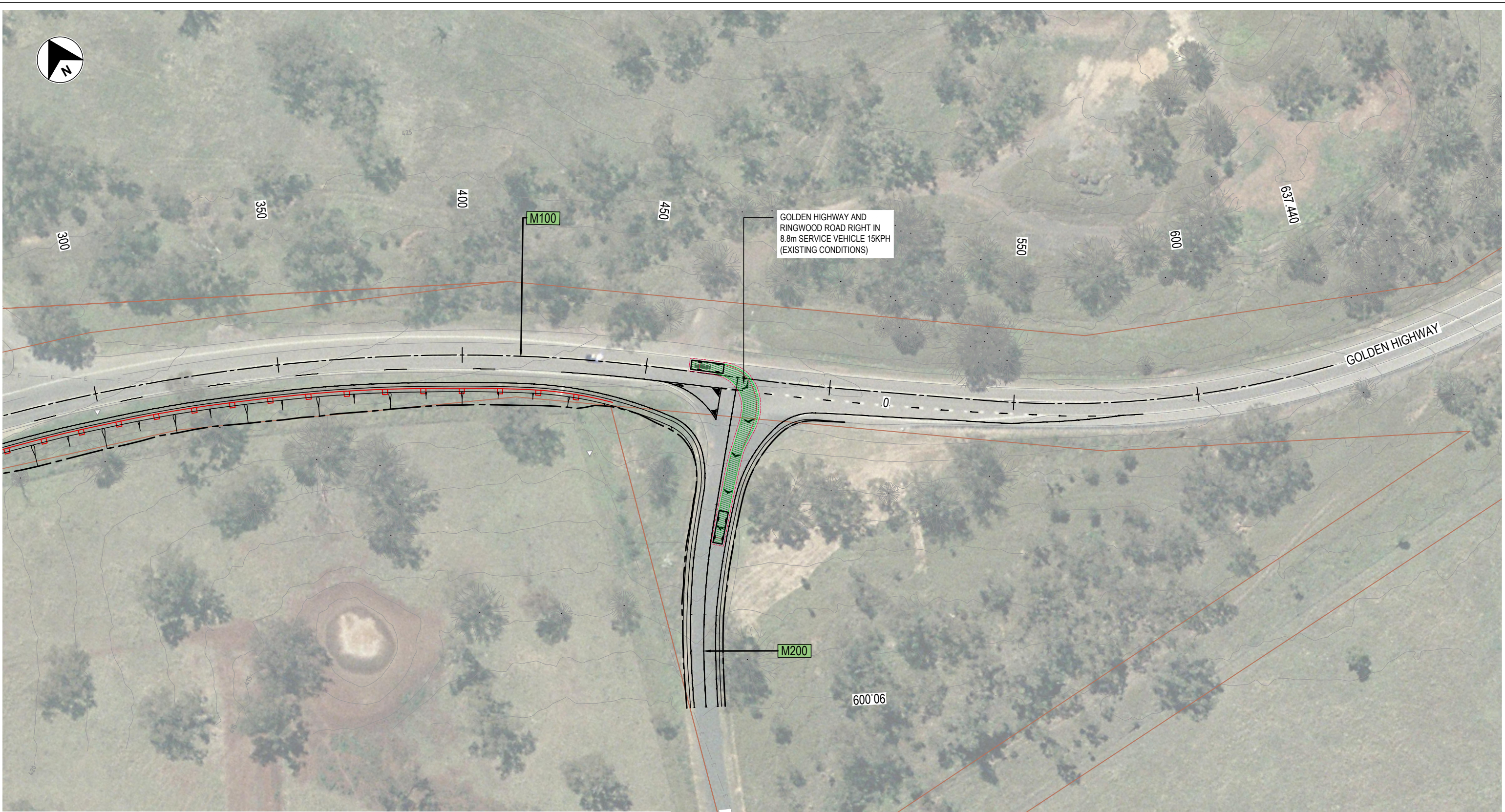
- CONTROL LINE AND CHAINAGE
- CONTROL LINE LABEL



GOULBURN RIVER SOLAR FARM  
 RINGWOOD ROAD AND GOLDEN HIGHWAY INTERSECTION  
 SWEEP PATHS  
 SHEET 2 OF 4  
 27/10/2023

FOR INFORMATION ONLY

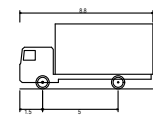




**NOTES**

1. NO ASSESSMENT HAS BEEN UNDERTAKEN FOR EXISTING PAVEMENT.
2. TURN PATHS PRESENTED IS THE INTENDED OPERATIONS OF TRAFFIC ASSOCIATED WITH GOULBURN SOLAR FARM. ONLY THE DISPLAYED MOVEMENTS WILL BE PERMITTED.
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**VEHICLE TURN PATH PROFILE**



Service Vehicle (8.8 m)  
 Overall Length 8.800m  
 Overall Width 2.500m  
 Overall Body Height 4.200m  
 Min Body Ground Clearance 0.427m  
 Track Width 2.500m  
 Lock-to-lock time 4.00s  
 Curb to Curb Turning Radius 12.500m

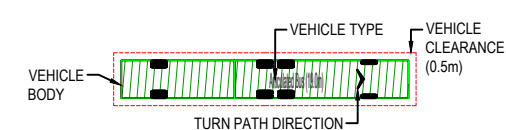
**GENERAL**

- DESIGN
- CADASTRAL
- SURVEY
- SAFETY BARRIER

**ROAD GEOMETRY**

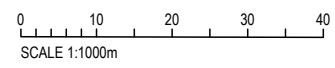
- CONTROL LINE AND CHAINAGE
- CONTROL LINE LABEL

**VEHICLE TURN PATH LEGEND**



RINGWOOD ROAD

FOR INFORMATION ONLY



GOULBURN RIVER SOLAR FARM  
 RINGWOOD ROAD AND GOLDEN HIGHWAY INTERSECTION  
 SWEEP PATHS  
 SHEET 3 OF 4  
 27/10/2023



0305-INF-RD-SWEPT-PATH-RINGWOOD-03