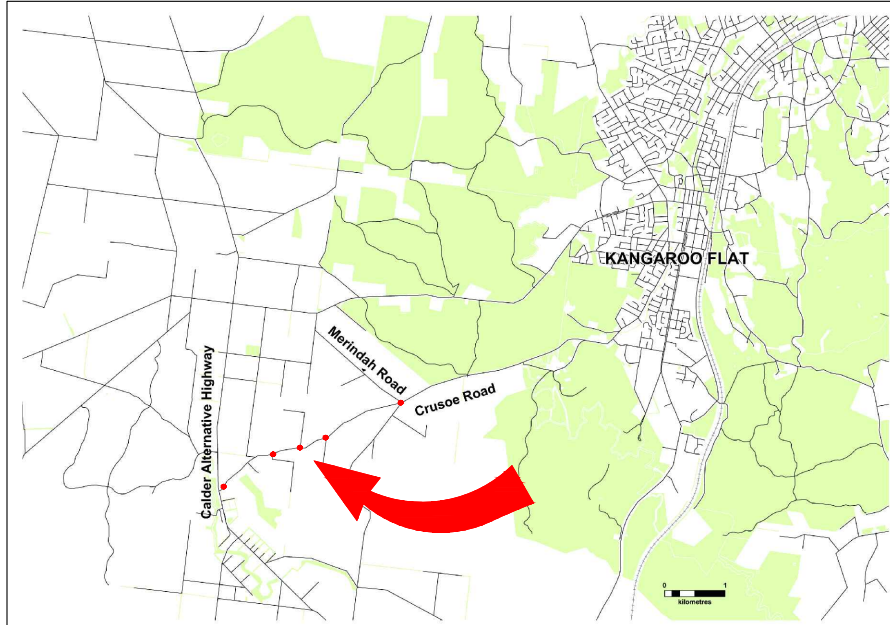


CRUSOE ROAD, LOCKWOOD

GB3706

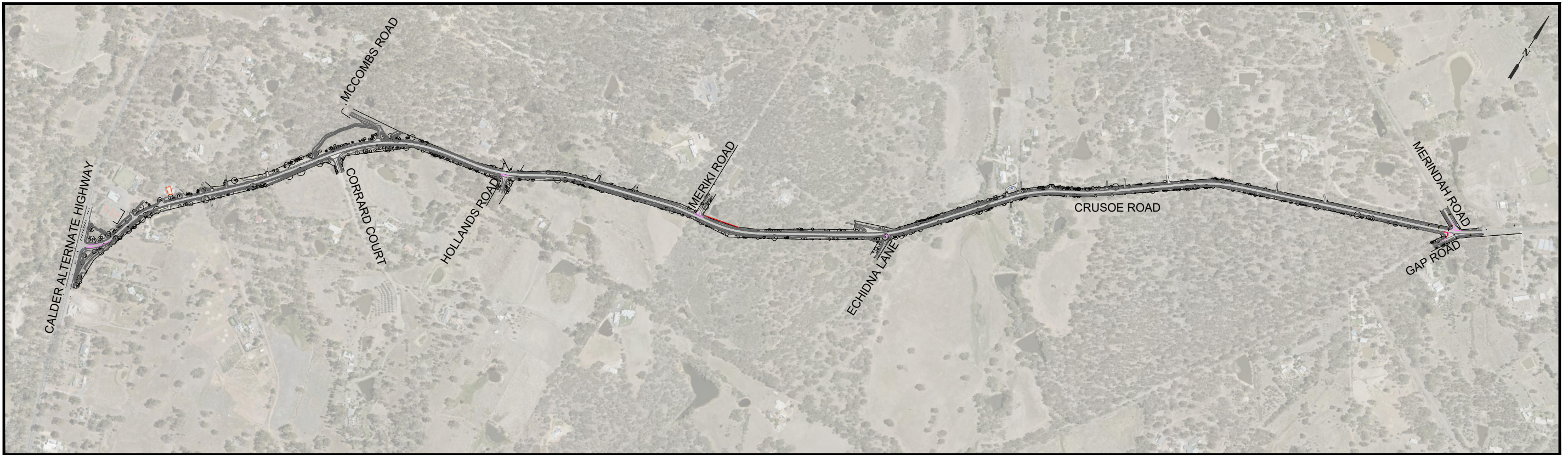
BLACKSPOT

JUNE 2023



LOCALITY PLAN

DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	30/06/23	-/-	-/-
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	-	-	-
2	GENERAL NOTES	-	-	-
3	OVERALL LAYOUT & SIGNAGE	-	-	-
4	DETAIL PLAN	-	-	-
5	DETAIL PLAN	-	-	-
6	DETAIL PLAN	-	-	-
7	DETAIL PLAN	-	-	-
8	DETAIL PLAN	-	-	-



PROJECT EXTENTS

APPROVAL TO CONSTRUCT STAMP	PROJECT PLANNING REQUIREMENTS	CITY OF GREATER BENDIGO	PROJECT DESIGN STATUS	PROJECT DETAILS	SHEET DETAILS																																																																											
DO NOT CONSTRUCT WITHOUT STAMP	<table border="1"> <thead> <tr> <th>Item</th> <th>Required</th> <th>Comments</th> <th>Contractor</th> </tr> </thead> <tbody> <tr> <td>Vegetation</td> <td>No</td> <td>-</td> <td></td> </tr> <tr> <td>RRV</td> <td>No</td> <td>Refer for Comment</td> <td></td> </tr> <tr> <td>CMA</td> <td>No</td> <td>-</td> <td></td> </tr> <tr> <td>Planning Permit</td> <td>No</td> <td>-</td> <td></td> </tr> <tr> <td>Land Acquisition</td> <td>No</td> <td>-</td> <td></td> </tr> <tr> <td>CHMP</td> <td>No</td> <td>-</td> <td></td> </tr> <tr> <td>Other</td> <td>No</td> <td>-</td> <td></td> </tr> </tbody> </table>		Item	Required	Comments	Contractor	Vegetation	No	-		RRV	No	Refer for Comment		CMA	No	-		Planning Permit	No	-		Land Acquisition	No	-		CHMP	No	-		Other	No	-		<table border="1"> <tbody> <tr> <td>Surveyor:</td> <td>ADRIAN CUMMINS</td> <td>20/06/19</td> </tr> <tr> <td>Designer:</td> <td>B. JANSSEN</td> <td>30/06/23</td> </tr> <tr> <td>Draft Checked:</td> <td>A. SMITH</td> <td>xx/xx/23</td> </tr> <tr> <td>Tender Approved:</td> <td>N. SARTORI</td> <td>xx/xx/23</td> </tr> </tbody> </table>	Surveyor:	ADRIAN CUMMINS	20/06/19	Designer:	B. JANSSEN	30/06/23	Draft Checked:	A. SMITH	xx/xx/23	Tender Approved:	N. SARTORI	xx/xx/23	<table border="1"> <tbody> <tr> <td>Location:</td> <td>CRUSOE ROAD</td> </tr> <tr> <td>Suburb:</td> <td>KANGAROO FLAT</td> </tr> <tr> <td>Works:</td> <td>BLACKSPOT</td> </tr> <tr> <td>GB No:</td> <td>GB3706</td> </tr> </tbody> </table>	Location:	CRUSOE ROAD	Suburb:	KANGAROO FLAT	Works:	BLACKSPOT	GB No:	GB3706	<table border="1"> <tbody> <tr> <td colspan="2">COVER SHEET</td> <td>Sheet number: 1 of 8</td> </tr> <tr> <td colspan="2"></td> <td>Plan Scale: 1:10000 A3</td> </tr> <tr> <td colspan="2"></td> <td>Plotted: 30/06/2023 By: Bayley Janssen</td> </tr> <tr> <th colspan="3">SHEET REVISIONS AFTER TENDER</th> </tr> <tr> <th>Revision</th> <th>Description</th> <th>Approved by Date</th> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	COVER SHEET		Sheet number: 1 of 8			Plan Scale: 1:10000 A3			Plotted: 30/06/2023 By: Bayley Janssen	SHEET REVISIONS AFTER TENDER			Revision	Description	Approved by Date	-	-	-	-	-	-	-	-
	Item	Required	Comments	Contractor																																																																												
Vegetation	No	-																																																																														
RRV	No	Refer for Comment																																																																														
CMA	No	-																																																																														
Planning Permit	No	-																																																																														
Land Acquisition	No	-																																																																														
CHMP	No	-																																																																														
Other	No	-																																																																														
Surveyor:	ADRIAN CUMMINS	20/06/19																																																																														
Designer:	B. JANSSEN	30/06/23																																																																														
Draft Checked:	A. SMITH	xx/xx/23																																																																														
Tender Approved:	N. SARTORI	xx/xx/23																																																																														
Location:	CRUSOE ROAD																																																																															
Suburb:	KANGAROO FLAT																																																																															
Works:	BLACKSPOT																																																																															
GB No:	GB3706																																																																															
COVER SHEET		Sheet number: 1 of 8																																																																														
		Plan Scale: 1:10000 A3																																																																														
		Plotted: 30/06/2023 By: Bayley Janssen																																																																														
SHEET REVISIONS AFTER TENDER																																																																																
Revision	Description	Approved by Date																																																																														
-	-	-																																																																														
-	-	-																																																																														
-	-	-																																																																														
			<div style="border: 2px solid red; padding: 5px; display: inline-block;"> PRELIMINARY DESIGN DRAFT 2 </div>																																																																													

CONSTRUCTION SPECIFICATIONS

All construction undertaken by, or on behalf of, The City of Greater Bendigo (CoGB) shall be undertaken in accordance with all DTP/Vicroads 200-700 series of Standard Specifications.

Compliance with the specifications to the satisfaction of the project Superintendent is required before a project can meet Practical Completion.

Sections of the DTP/Vicroads 200-700 series of standard specifications which are of particular relevance for this project include:

FORMATION

- 201 Site Clearing
- 204 Earthworks
- 205 Rock Fill

FLEXIBLE PAVEMENTS

- 304 Unbound Flexible Pavement Construction
- 310 Preparation of Granular Pavements for Bituminous Surfacing

ASPHALT AND SURFACE TREATMENTS

- 402 Removal of Pavement by Cold Planing (profiling)
- 407 Dense Graded Asphalt

INCIDENTAL CONSTRUCTION

- 709 Guide Posts
- 710 Fixing Raised Pavement Markers
- 714 Sign Installation
- 721 Pavement Markings
- 731 Road Lighting Installation

MATERIAL SPECIFICATIONS

FOR WORKS DEPARTMENT

All materials used in construction projects undertaken by the CoGB Works department shall be compliant with the specifications setout in the relevant CoGB material panel supply contract.

Where panel supply contract information is not available, material specifications shall be sought from and supplied by the CoGB Engineering Department, and all materials used in construction must comply with those specifications.

FOR EXTERNAL CONSULTANTS (inc. consultants engaged by the Works Dept.)

All materials used by external contractors engaged to undertake CoGB construction projects, or components thereof, shall be as per the material specification supplied within the instrument of engagement (Quote, Tender or Contract), or as per written instruction from the project Superintendents.

PROJECT PLANNING REQUIREMENTS

Permits and approvals

1. Project permits and approvals which were required to be obtained prior to construction are listed in the below table
2. Construction activities must be compliant with all conditions within the listed permits and approvals.

PROJECT PLANNING REQUIREMENTS			
Item	Required	Comments	Contractor
Vegetation	No	-	
RRV	No	Refer for Comment	
CMA	No	-	
Planning Permit	No	-	
Land Acquisition	No	-	
CHMP	No	-	
Other	No	-	

GENERAL NOTES

STANDARD DRAWINGS

Standard Drawings that are referenced within the design drawings are noted as 'SD', and are sourced from 3 locations. They are available for download online or from the project superintendent:

1. 'CoGB SD' are sourced from the City of Greater Bendigo
<https://www.bendigo.vic.gov.au/Services/Roads-and-Drainage/Roads/Construction-standards>
2. 'IDM SD' are sourced from the Infrastructure Design Manual
<https://www.designmanual.com.au/>
3. 'Vicroads SD' are sourced from Vicroads
<https://www.vicroads.vic.gov.au/business-and-industry/technical-publications/technical-drawings-for-roadworks/standard-drawings-for-roadworks>

SERVICES SHOWN ON PLANS AND DURING CONSTRUCTION

- The location of underground services shown on design drawings have been derived from available information. Accuracy can not be guaranteed and should therefore be treated as indicative only.
- Gas and water property services are not located or shown on design drawings. It is the contractors responsibility to locate and alter these services as required to achieve the project design.
- Prior to undertaking construction activities, exact service locations must be arranged and marked onsite.
- The contractor will be held responsible for any damage caused to services.
- All service pit lids or valve covers within the works area are to be raised or lowered to match the design surface level to the relevant authority standards, unless noted otherwise on the construction plans, or by approval from the superintendent.
- Any service authority marker post found within the works area is to be relocated adjacent to their current position to a point 150mm offset from the nearest property boundary.
- Any PSM covers affected during works are to be renewed to CoGB SD293 unless noted otherwise, or by approval from the superintendent.

DRAINAGE

- Any private storm water pipes discovered during works are to be plumbed to the nearest CoGB drainage pit, or with approval from the superintendent, to the nearest kerb or pipe

CONSTRUCTION MANAGEMENT GUIDANCE

OCCUPATIONAL HEALTH AND SAFETY

Delivery units shall consider appropriate management of occupational health and safety, and develop management plans compliant with ISO45001, and the City of Greater Bendigo integrated management system prior to any works beginning onsite

SITE ENVIRONMENTAL MANAGEMENT PLAN

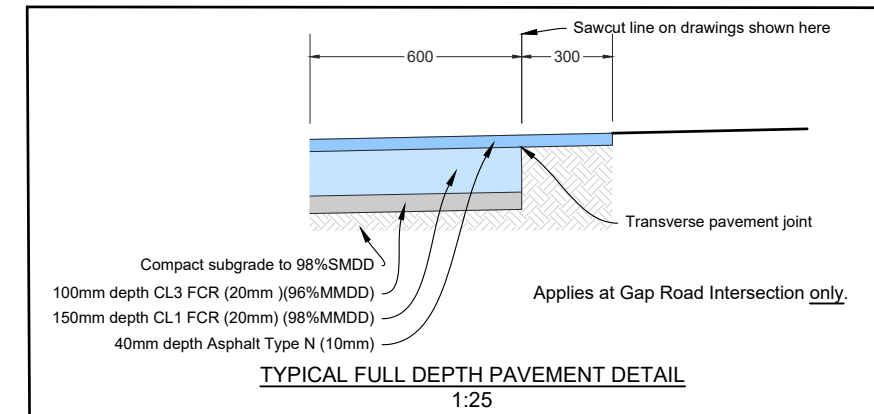
A Site Environmental Management Plan (SEMP) is to be developed by delivery units to manage the project site during the project delivery window. Consideration shall be given to appropriate management of the following, with a SEMP plan filled out and displayed onsite at all times:

- Communication and induction for staff, contractors and sub contractors
- Communication with appropriate adjacent residents/businesses
- Noise and Vibration
- Dust and contamination
- Chemicals
- Erosion and sediment
- Waste
- Vehicle and roadside management
- Vegetation, with particular focus on any relevant permit conditions and AS4970
- Heritage, with particular focus on any relevant permit conditions

TRAFFIC MANAGEMENT PLAN

Where appropriate and prior to any works starting on site, delivery units must organise a AS1742.3 compliant traffic management plan, and have it approved by the relevant road authority.

FULL DEPTH PAVEMENT			
KEY	LAYER	DEPTH	THICKNESS
	Asphalt	40mm	Size 14 Type N (C320)
	Base	150mm	CL1 FCR 20mm compacted to 98%MMDD at 85%OMC +- 1%
	Sub Base	100mm	CL3 FCR 20mm compacted to 96%MMDD at 85%OMC +- 1%
	Subgrade		Reworked and recompacted to 98%SMDD at 85%OMC +- 3%



BEFORE YOU DIG
www.byda.com.au
Zero Damage - Zero Harm

IMPORTANT!
The location of underground services have been derived from available information, however accuracy cannot be guaranteed. All existing service information should therefore be treated as indicative only, and service locations must be arranged prior to commencement of any excavation. The contractor will be held responsible for any damage caused to underground services.

SURVEY NOTES
Survey has been conducted to:

- MGA 2020 and orientated via (PMx & PMy... or via GPS)
- Survey level has been tied to AHD via PMz or via GPS

PROJECT DESIGN STATUS

Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN DRAFT 2

PROJECT DETAILS

Location: CRUSOE ROAD
Suburb: KANGAROO FLAT
Works: BLACKSPOT
GB No: GB3706

SHEET DETAILS

Sheet number: 2 of 8
Plan Scale: AS SHOWN A3
Plotted: 30/06/2023 By: Bayley Janssen

GENERAL NOTES

SHEET REVISIONS AFTER TENDER		Approved by	Date
Revision	Description		
-	-	-	-
-	-	-	-
-	-	-	-

SIGN REMOVALS / ALTERATIONS

NO.	SIGN TYPE	SIGN CODE	ACTION
1	Hazard Marker Type 1	D4-2-3 (B)	Supply and Install 2 Signs Opposite incoming road.
2	Hazard Marker Type 2	D4-2-3 (A)	Supply and Install 6 Signs Opposite incoming road.



1200x900 Blackspot signs to be installed at either end of project

LEGEND

DESIGN FULL DEPTH PAVEMENT:
(Refer to detail sheet 2)

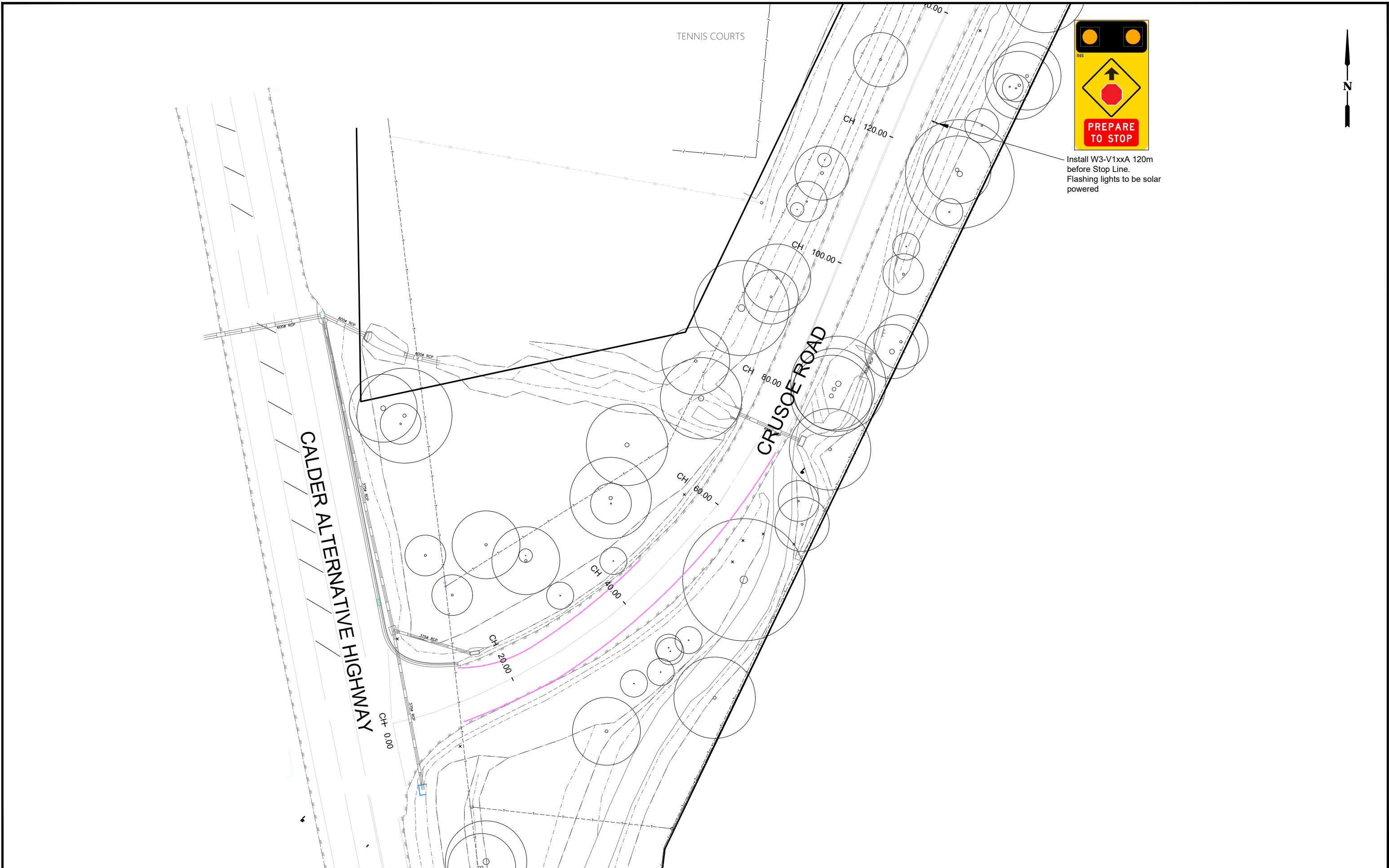


PROJECT DESIGN STATUS		
Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 2**

PROJECT DETAILS	
Location:	CRUSOE ROAD
Suburb:	KANGAROO FLAT
Works:	BLACKSPOT
GB No:	GB3706

SHEET DETAILS			
OVERALL LAYOUT & SIGNAGE	Sheet number: 3 of 8		
	Plan Scale: 1:10000 A3		
	Plotted: 30/06/2023 By: Bayley Janssen		
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



Install W3-V1xxA 120m before Stop Line. Flashing lights to be solar powered



LEGEND

- 40mm depth Asphalt
- Linemarking Removal
- Full Depth Pavement
See Page 2 Detail
- Linemarking
See Page 3 for details

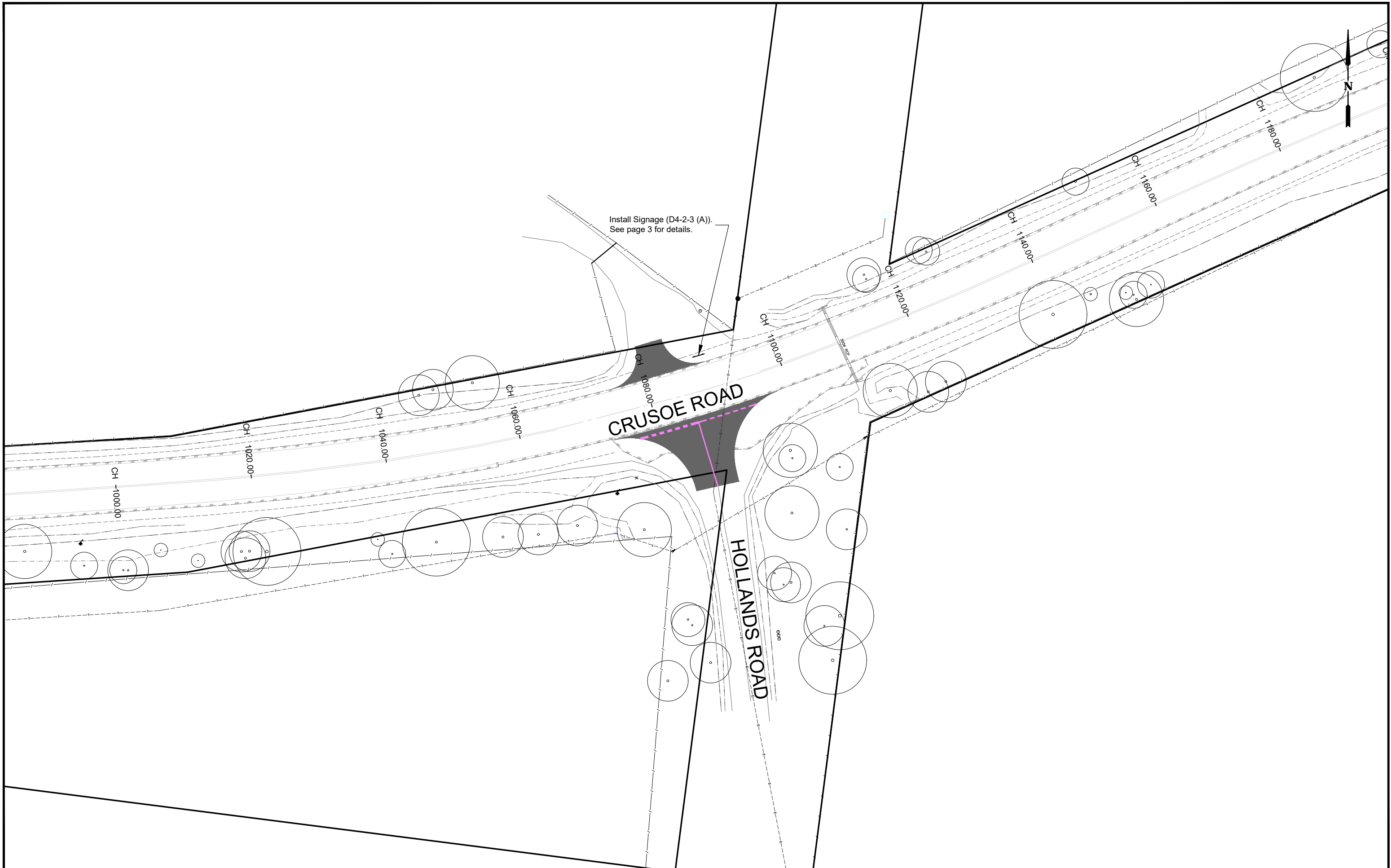


PROJECT DESIGN STATUS		
Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN DRAFT 2

PROJECT DETAILS	
Location:	CRUSOE ROAD
Suburb:	KANGAROO FLAT
Works:	BLACKSPOT
GB No:	GB3706

SHEET DETAILS			
DETAIL PLAN			Sheet number: 4 of 8
			Plan Scale: 1:500
			Plotted: 30/06/2023 By: Bayley Janssen
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



LEGEND

- 40mm depth Asphalt
- Linemarking Removal
- Full Depth Pavement
See Page 2 Detail
- Linemarking
See Page 3 for details



PROJECT DESIGN STATUS

Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 2**

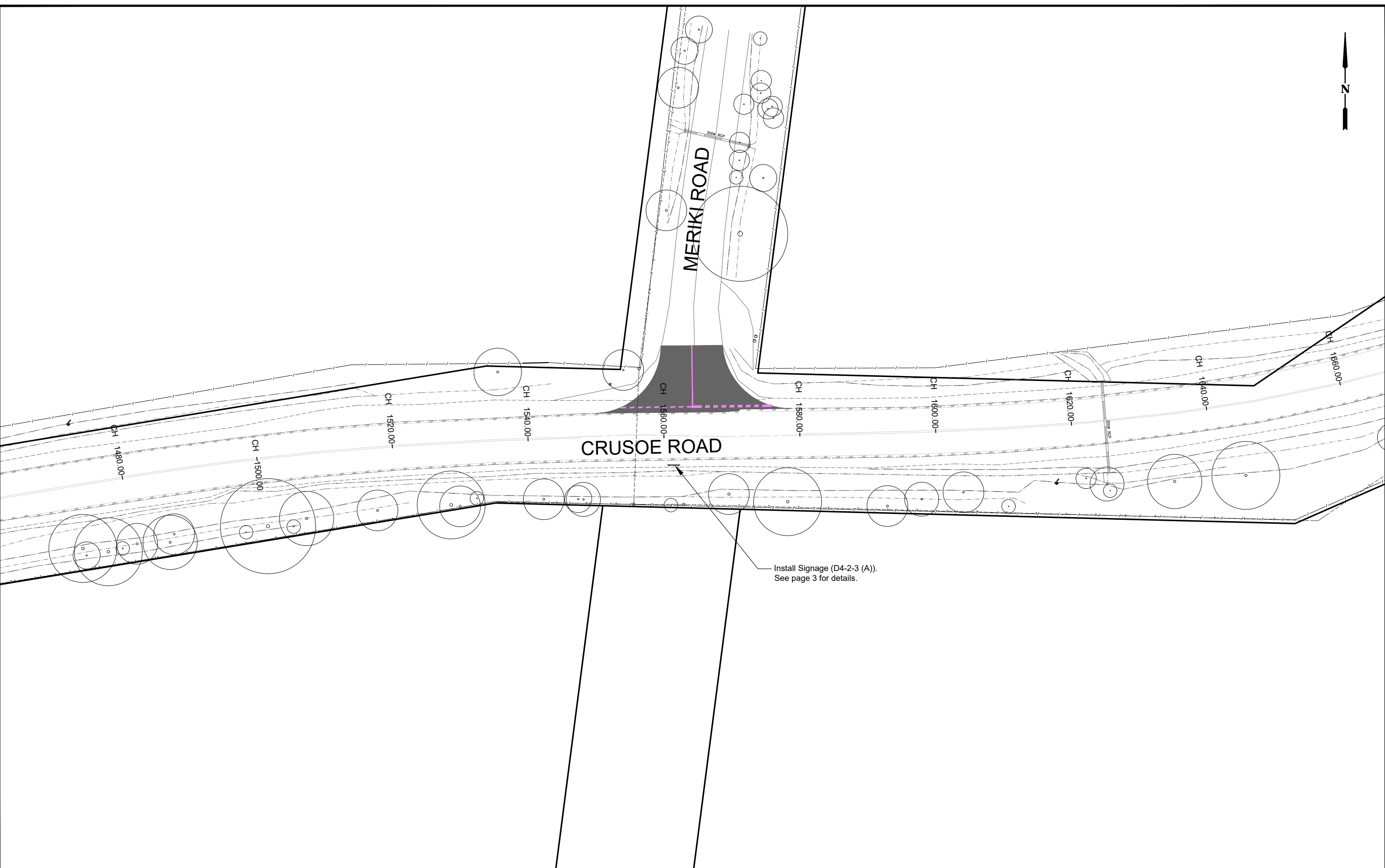
PROJECT DETAILS

Location: CRUSOE ROAD
 Suburb: KANGAROO FLAT
 Works: BLACKSPOT
 GB No: GB3706

SHEET DETAILS

Sheet number: **5 of 8**
 Plan Scale: 1:500 | A3
 Plotted: 30/06/2023 By: Bayley Janssen

SHEET REVISIONS AFTER TENDER		Approved by	Date
Revision	Description		
-	-	-	-
-	-	-	-
-	-	-	-



- 40mm depth Asphalt
- Full Depth Pavement
See Page 2 Detail
- Linemarking Removal
- Linemarking
See Page 3 for details

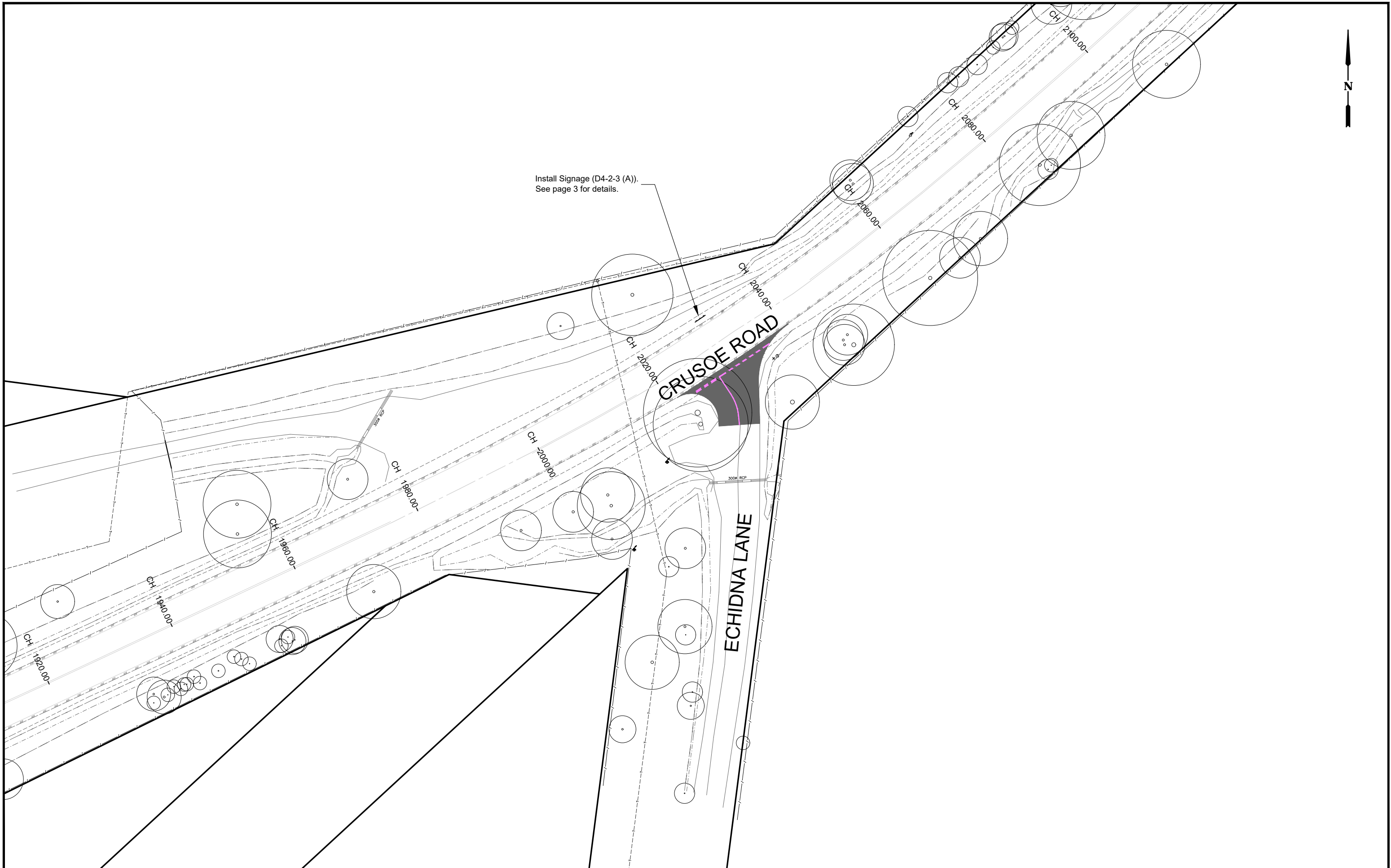


PROJECT DESIGN STATUS		
Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 2

PROJECT DETAILS	
Location:	CRUSOE ROAD
Suburb:	KANGAROO FLAT
Works:	BLACKSPOT
GB No:	GB3706

SHEET DETAILS			
DETAIL PLAN			Sheet number: 6 of 8
			Plan Scale: 1:500
			Plotted: 30/06/2023 By: Bayley Janssen
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



- 40mm depth Asphalt
- Linemarking Removal
- Full Depth Pavement
See Page 2 Detail
- Linemarking
See Page 3 for details

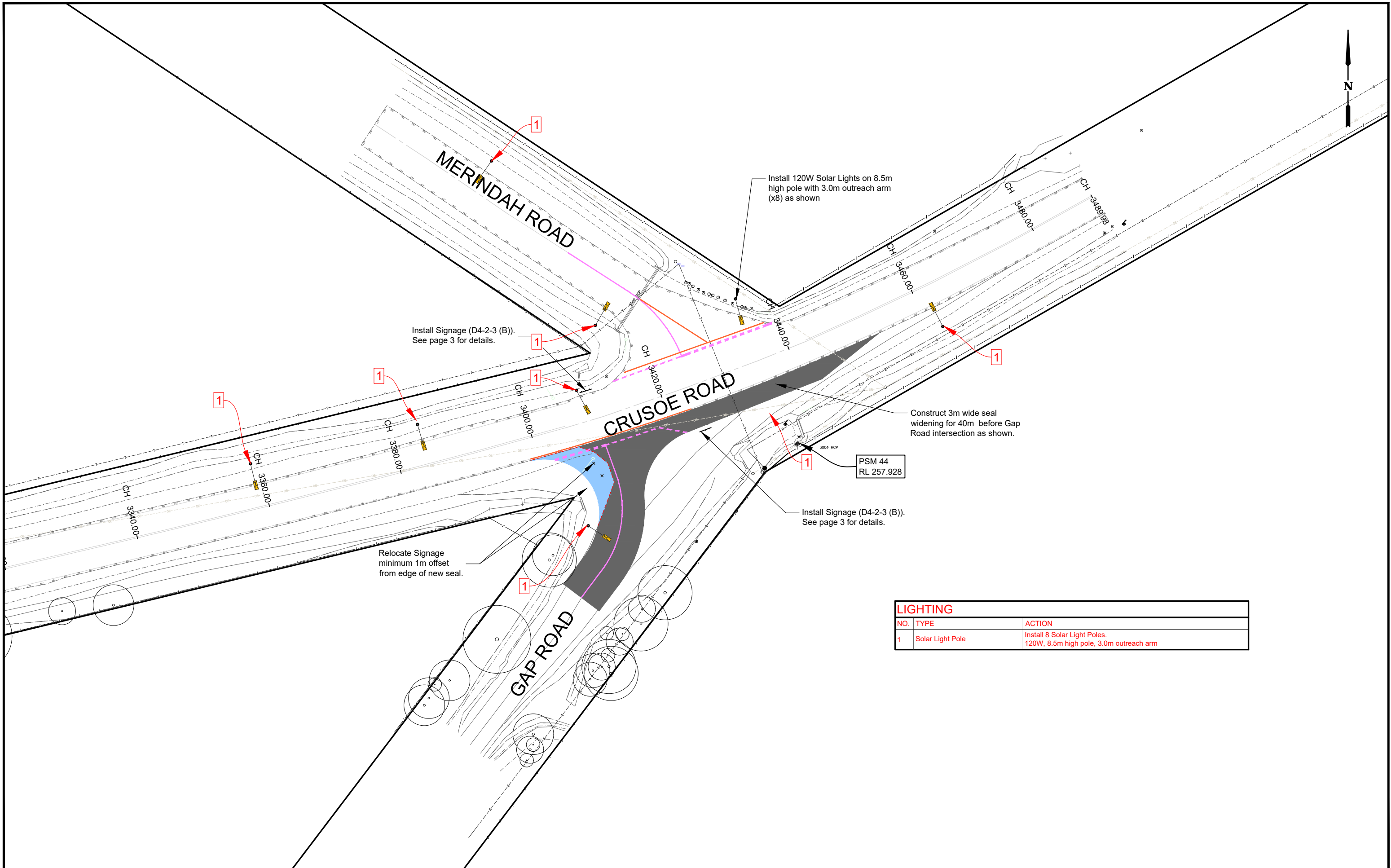


PROJECT DESIGN STATUS		
Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 2

PROJECT DETAILS	
Location:	CRUSOE ROAD
Suburb:	KANGAROO FLAT
Works:	BLACKSPOT
GB No:	GB3706

SHEET DETAILS			
DETAIL PLAN			Sheet number: 7 of 8
			Plan Scale: 1:500
			Plotted: 30/06/2023 By: Bayley Janssen
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



Install Signage (D4-2-3 (B)).
See page 3 for details.

Install 120W Solar Lights on 8.5m
high pole with 3.0m outreach arm
(x8) as shown

Construct 3m wide seal
widening for 40m before Gap
Road intersection as shown.

PSM 44
RL 257.928

Install Signage (D4-2-3 (B)).
See page 3 for details.

Relocate Signage
minimum 1m offset
from edge of new seal.

LIGHTING		
NO.	TYPE	ACTION
1	Solar Light Pole	Install 8 Solar Light Poles. 120W, 8.5m high pole, 3.0m outreach arm

LEGEND

- 40mm depth Asphalt
- Linemarking Removal
- Full Depth Pavement
See Page 2 Detail
- Linemarking
See Page 3 for details
- Solar Lights
100W, 8.5m high pole, 3.0m outreach arm



PROJECT DESIGN STATUS		
Surveyor:	ADRIAN CUMMINS	20/06/19
Designer:	B. JANSSEN	30/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 2

PROJECT DETAILS	
Location:	CRUSOE ROAD
Suburb:	KANGAROO FLAT
Works:	BLACKSPOT
GB No:	GB3706

SHEET DETAILS			
DETAIL PLAN		Sheet number:	8 of 8
		Plan Scale:	1:500
		Plotted:	30/06/2023 By: Bayley Janssen
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-