

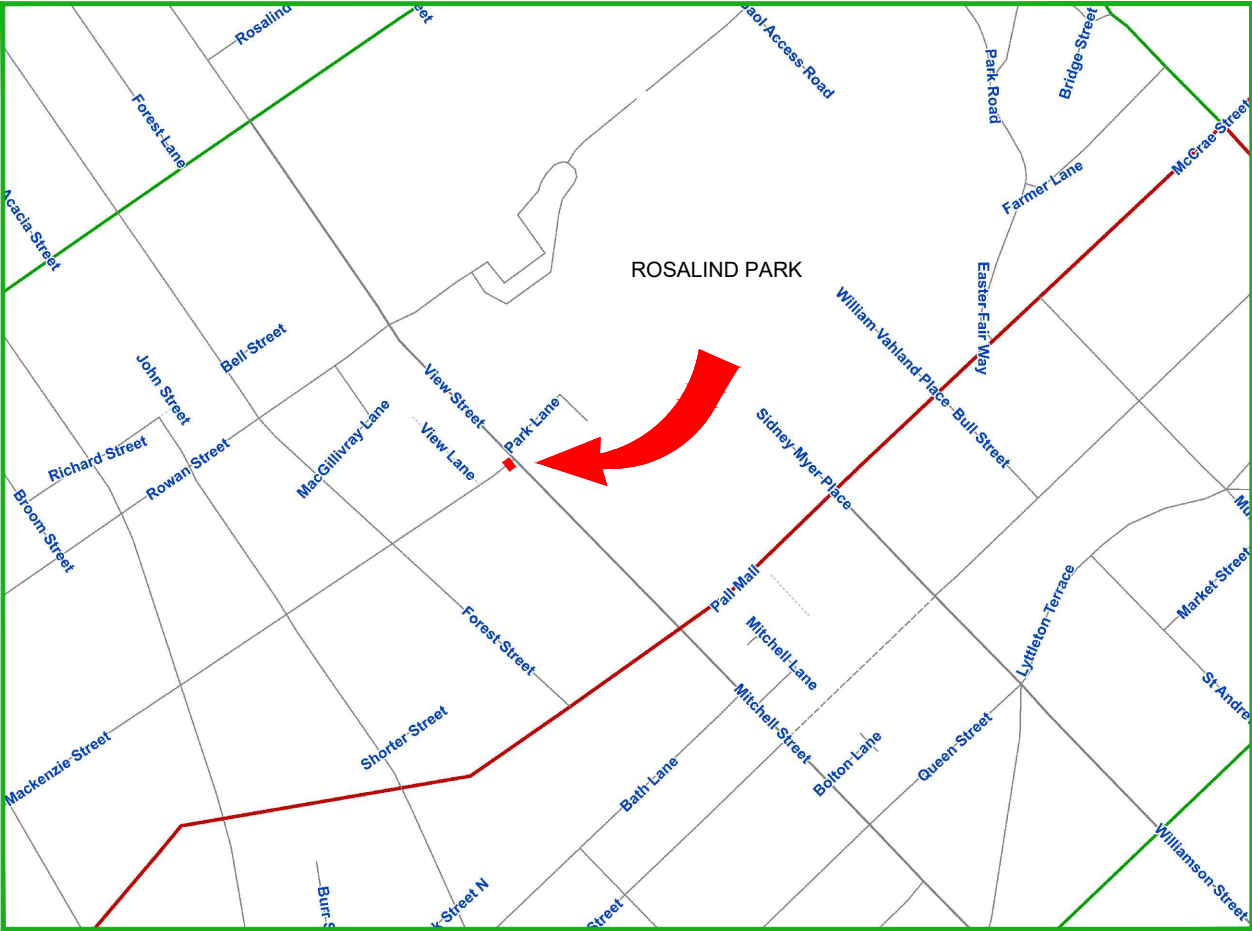
VIEW & MACKENZIE STREET, BENDIGO

WOMBAT CROSSING

APRIL 2023



DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	05/04/23	xx/xx/xx	xx/xx/xx
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	-		
2	GENERAL NOTES	-		
3	DEMOLITION PLAN	-		
4	LAYOUT PLAN	-		
5	LONGITUDINAL SECTIONS	-		
6	CROSS SECTIONS	-		
7	SIGNAGE PLAN	-		
8	DRAINAGE DETAILS	-		



LOCALITY MAP



PROJECT EXTENTS

APPROVAL TO CONSTRUCT STAMP		PROJECT PLANNING REQUIREMENTS				PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS			
DO NOT CONSTRUCT WITHOUT STAMP		Item	Required	Comments	Contractor	 CITY OF GREATER BENDIGO	Surveyor:	H. WHYTOCK	01/02/23	Location: VIEW & MACKENZIE STREET	COVER SHEET	Sheet number: 1 of 8		
	Vegetation	No	-		Designer:		B. JANSSEN	05/04/23	Plan Scale: -					
	RRV	Yes	-		Draft Checked:		A. SMITH	xx/xx/23	Original sheet size: A3					
	CMA	No	-		Tender Approved:		N. SARTORI	xx/xx/23						
	Planning Permit	No	-		Current status:			Suburb: BENDIGO	Works: WOMBAT CROSSING	SHEET REVISIONS AFTER TENDER				
	Land Acquisition	No	-		PRELIMINARY DESIGN DRAFT 3					Revision	Description	Approved by	Date	
	CHMP	No	-							-	-	-	-	
	Other	No	-							-	-	-	-	

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:

ASPHALT AND SURFACE TREATMENTS

407 Dense Graded Asphalt

INCIDENTAL CONSTRUCTION

701 Underground Stormwater Drains

705 Drainage Pits and Covers

706 Installation or Replacement of Utility Infrastructure within Road Reserves

714 Sign Installation

721 Pavement Markings

MATERIAL SPECIFICATIONS

FOR WORKS DEPARTMENT

All materials used in construction projects undertaken by 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 Work 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

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

PROJECT PLANNING REQUIREMENTS			
Item	Required	Comments	Contractor
Vegetation	No	-	
RRV	Yes	-	
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:

- 'CoGB SD' are sourced from the City of Greater Bendigo
<https://www.bendigo.vic.gov.au/About/Document-Library>
- 'IDM SD' are sourced from the Infrastructure Design Manual
<https://www.designmanual.com.au/>
- '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

- 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

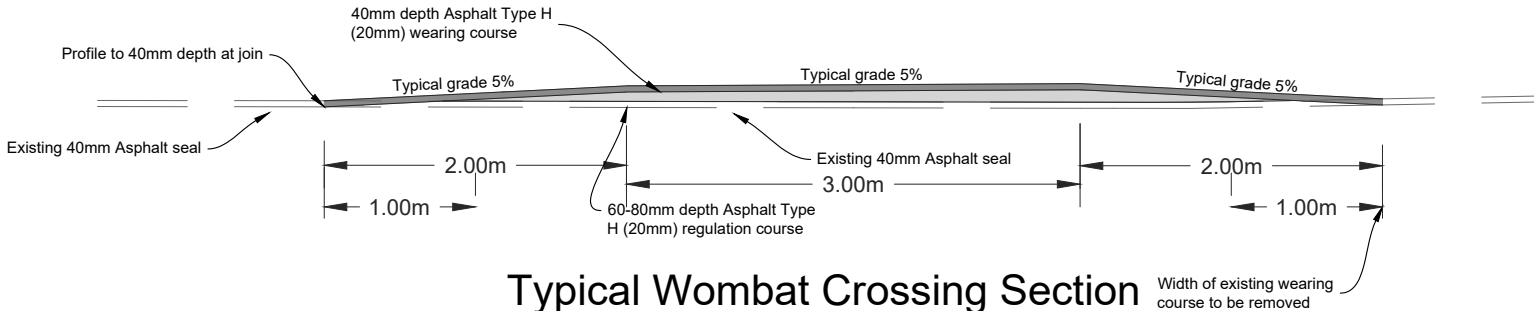
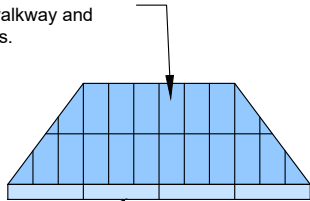
TRAFFIC MANAGEMENT PLAN

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.

Bluestone Pavers to be placed as shown.
- Walkway pavers to Slope at 1:10.
- Wing pavers to match walkway and surrounding surface levels.

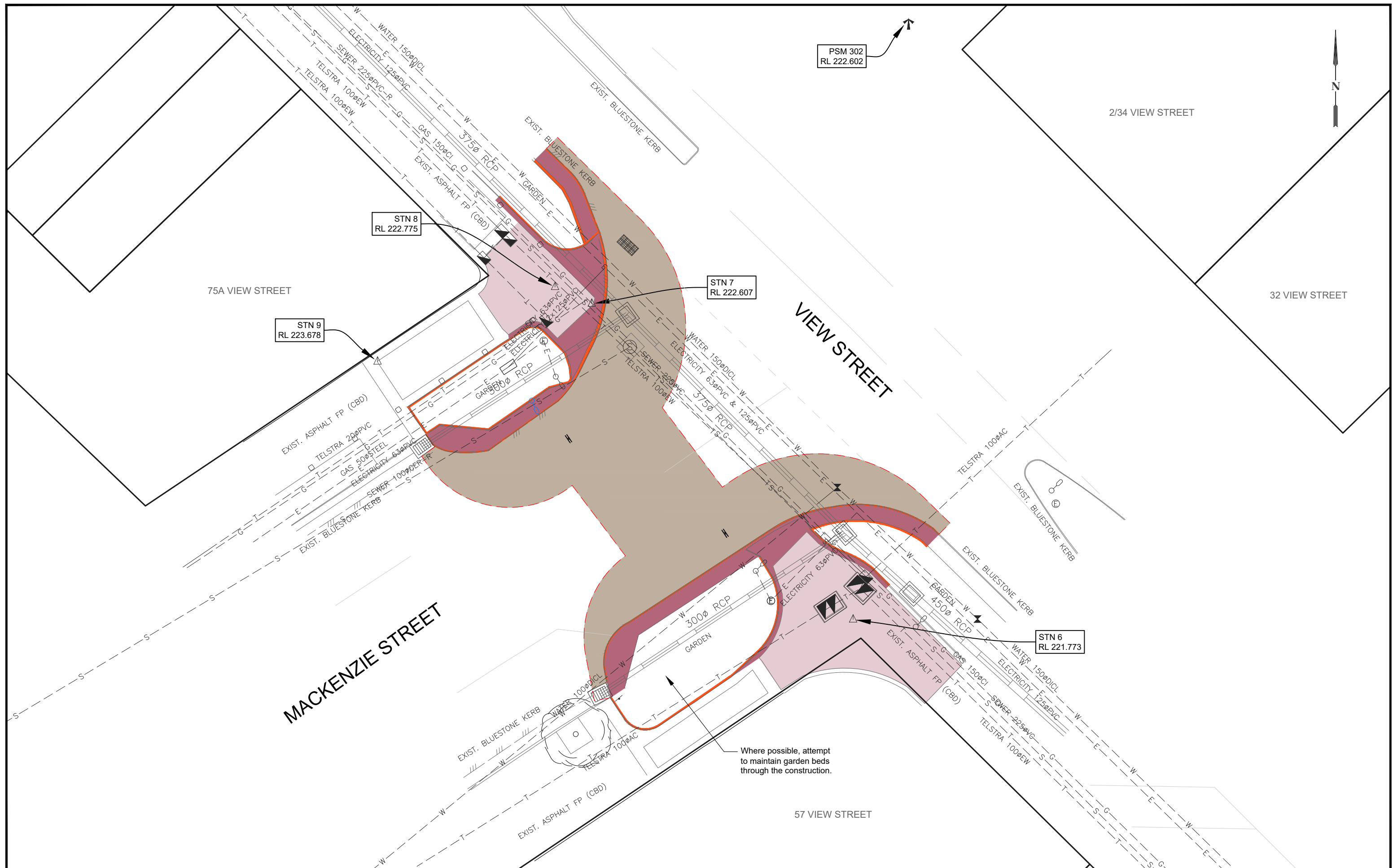
Bluestone Flagstone Kerb.
- Wing Flagstones to slope to match pavement surface.
- Walkway Flagstones to match pavement surface.

Bluestone Paver Pedestrian Layback
Paver Layout, Scale 1:75



Typical Wombat Crossing Section
Scale 1:50

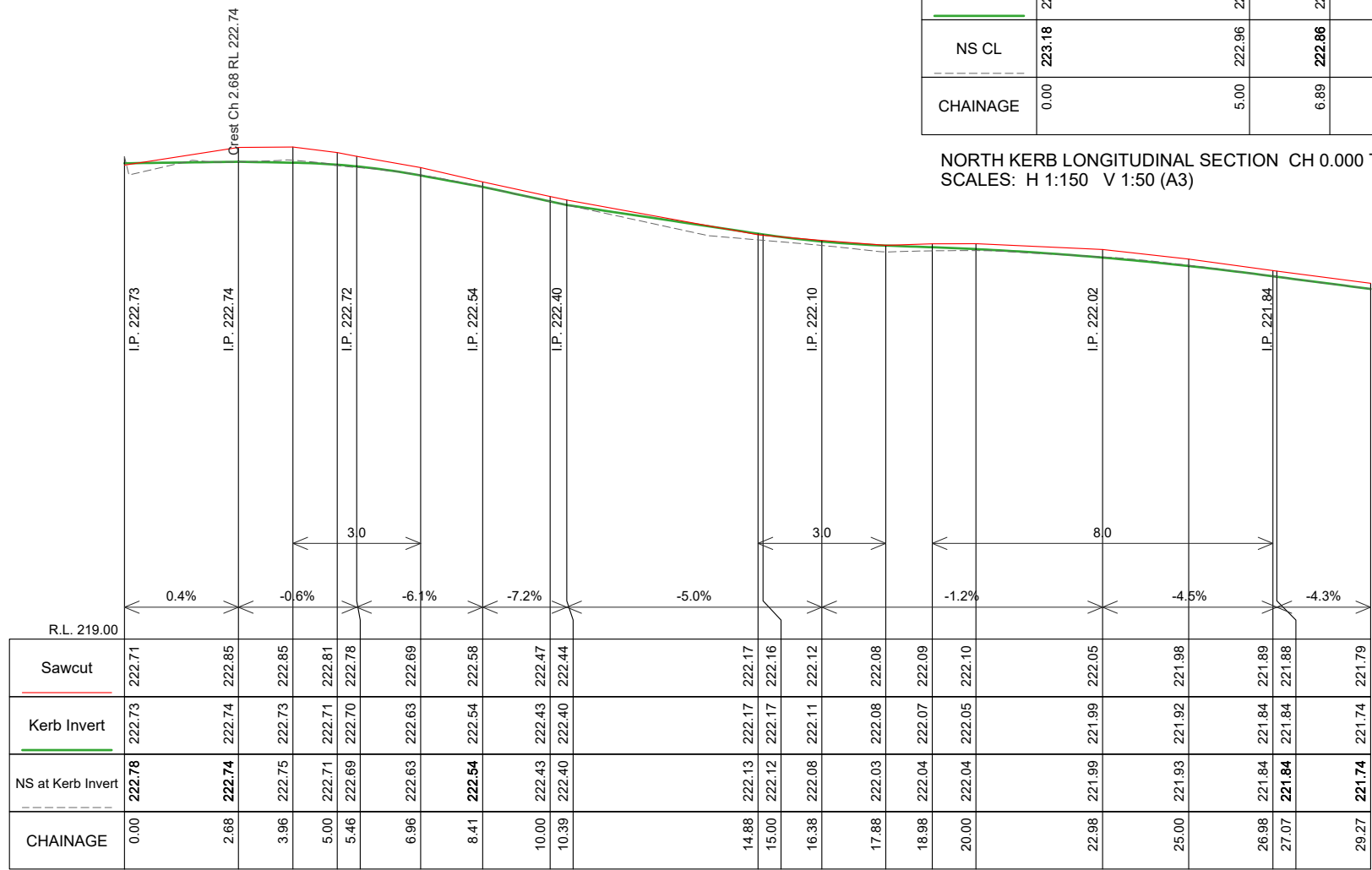
PROJECT DESIGN STATUS				PROJECT DETAILS		SHEET DETAILS			
 CITY OF GREATER BENDIGO	Surveyor:	H. WHYTOCK	01/02/23	Location: VIEW & MACKENZIE STREET	Suburb: BENDIGO	Works: WOMBAT CROSSING	GB No: GB5086	GENERAL NOTES	Sheet number: 2 of 8
	Designer:	B. JANSSEN	05/04/23						Plan Scale: -
	Draft Checked:	A. SMITH	xx/xx/23						Original sheet size: A3
	Tender Approved:	N. SARTORI	xx/xx/23					SHEET REVISIONS AFTER TENDER	
	Current status:	PRELIMINARY DESIGN DRAFT 3						Revision	Description
			-	-	-	-	-	-	
			-	-	-	-	-	-	
			-	-	-	-	-	-	



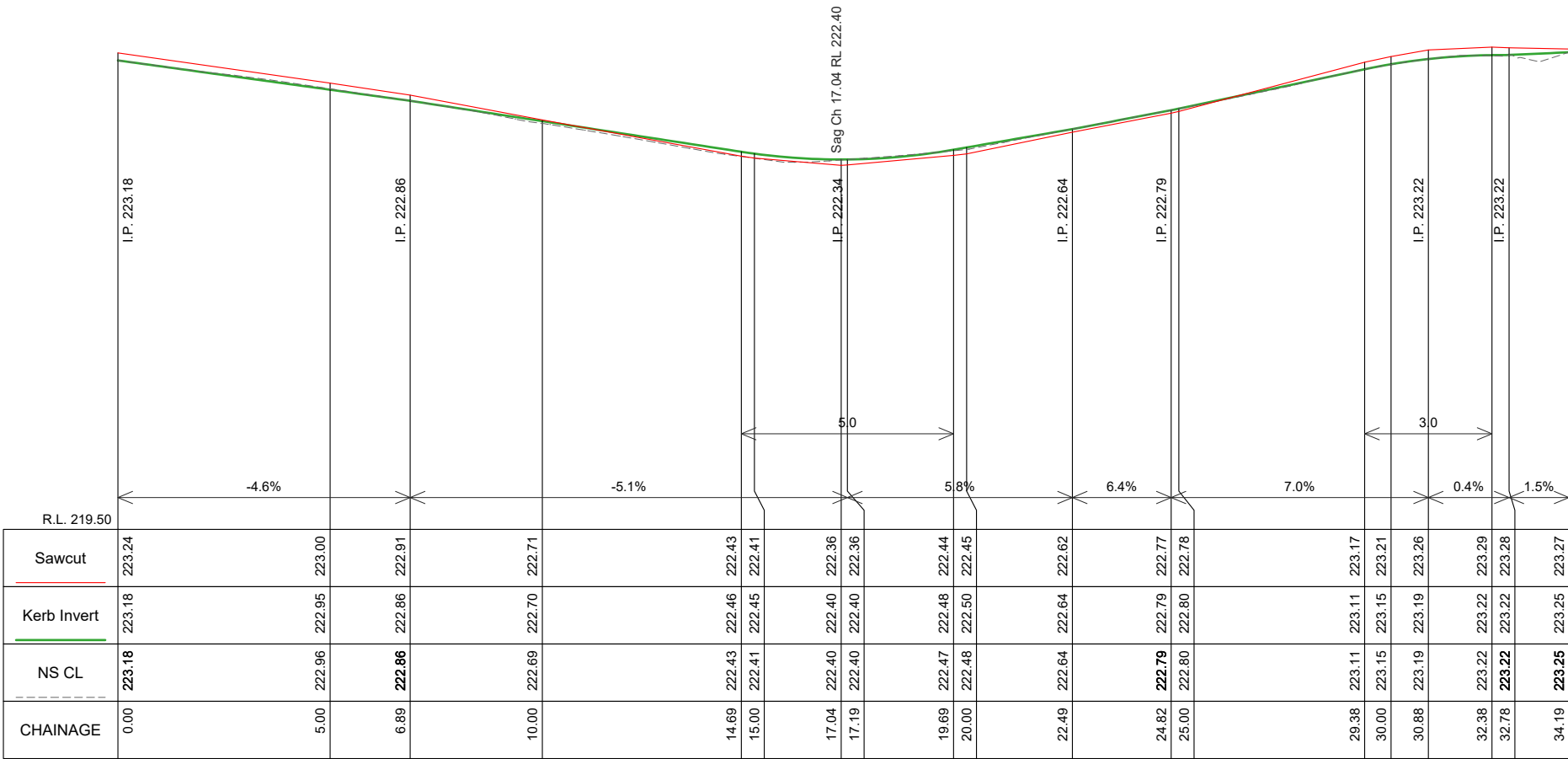
LEGEND		PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS						
Removal: Pavement	Removal: Asphalt Footpath	CITY OF GREATER BENDIGO	Surveyor:	H. WHYTOCK	01/02/23	Location:	VIEW & MACKENZIE STREET		DEMOLITION PLAN	Sheet number:	3 of 8		
Removal: Bluestone Kerb	Removal: Linemarking		Designer:	B. JANSSEN	05/04/23		Suburb:	BENDIGO		Plan Scale:	1:200		
Removal: Bluestone Paving	Removal: Sawcut		Draft Checked:	A. SMITH	xx/xx/23			Works:		WOMBAT CROSSING		Original sheet size:	A3
			Tender Approved:	N. SARTORI	xx/xx/23					GB No:	GB5086		
				Current status:	PRELIMINARY DESIGN DRAFT 3						SHEET REVISIONS AFTER TENDER		
</													



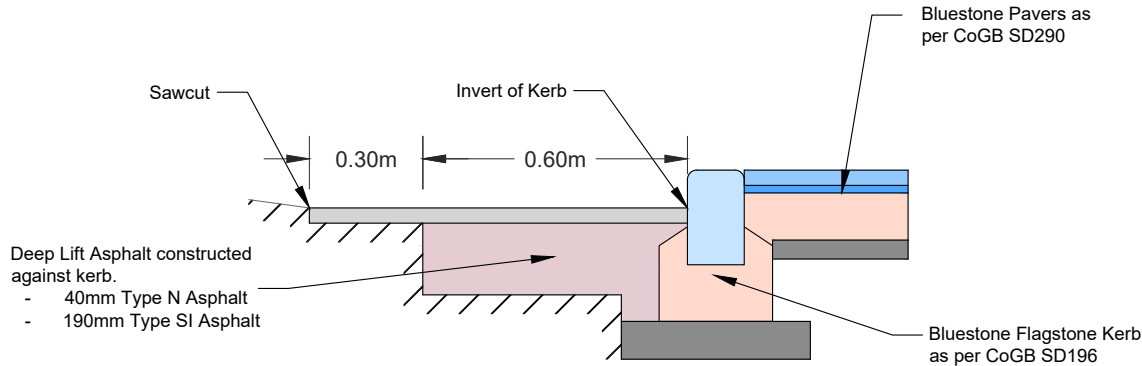
LEGEND			PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS			
 DESIGN CONTOURS - Levels to AHD (0.10m interval)	 CBD Style Footpath area: Paved areas Paving as per CoGB SD290	 Pavement Area: Deep Lift Asphalt - 40mm Type N - 190mm Type SI See Page 2 for Wombat Crossing Details	 CITY OF GREATER BENDIGO	Surveyor:	H. WHYTOCK	01/02/23	Location: VIEW & MACKENZIE STREET	LAYOUT PLAN	Sheet number:	4 of 8	
 EXISTING CONTOURS - Levels to AHD (0.10m interval)	 CBD Style Footpath area: Asphalt areas Asphalt as per CoGB SD290	Designer:		B. JANSSEN	05/04/23	Plan Scale:			1:200		
 Bluestone Kerb: Flagstone Kerb as per CoGB SD196	 Landscape work: Garden area (Planting Schedule tbd.)	Draft Checked:		A. SMITH	xx/xx/23	Original sheet size: A3					
		Tender Approved:		N. SARTORI	xx/xx/23	SHEET REVISIONS AFTER TENDER					
			Current status:	PRELIMINARY DESIGN DRAFT 3		Works: WOMBAT CROSSING		Revision	Description	Approved by	Date
						GB No: GB5086		-	-	-	-
								-	-	-	-
								-	-	-	-



SOUTH KERB LONGITUDINAL SECTION CH 0.000 To 29.271
SCALES: H 1:150 V 1:50 (A3)

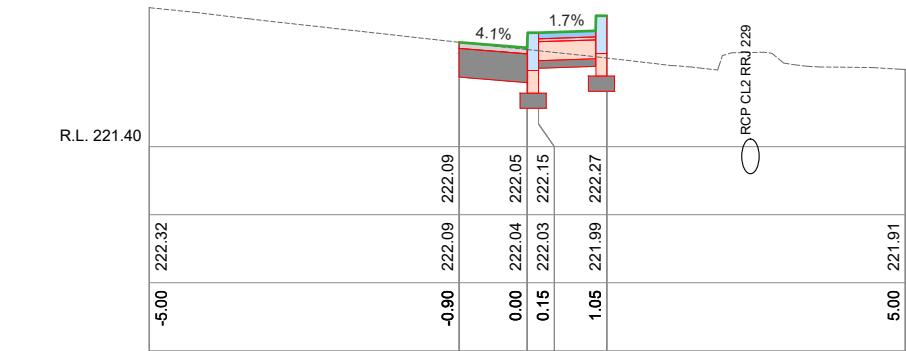


NORTH KERB LONGITUDINAL SECTION CH 0.000 To 34.192
SCALES: H 1:150 V 1:50 (A3)

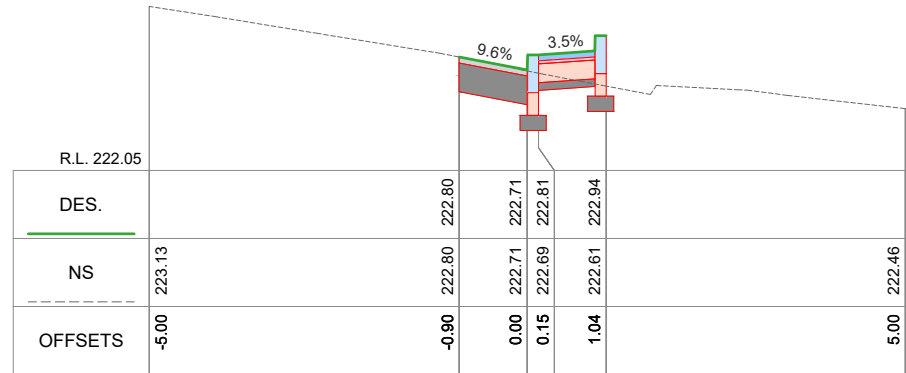


Flagstone Kerb Cross Section
Scale 1:20

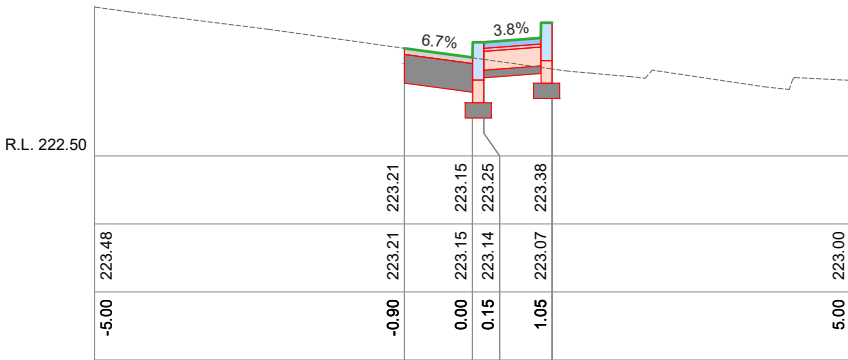
PROJECT DESIGN STATUS				PROJECT DETAILS		SHEET DETAILS			
 CITY OF GREATER BENDIGO	Surveyor:	H. WHYTOCK	01/02/23	Location:	VIEW & MACKENZIE STREET	LONGITUDINAL SECTIONS	Sheet number: 5 of 8		
	Designer:	B. JANSSEN	05/04/23				Plan Scale: -		
	Draft Checked:	A. SMITH	xx/xx/23				Original sheet size: A3		
	Tender Approved:	N. SARTORI	xx/xx/23						
	Current status:	PRELIMINARY DESIGN DRAFT 3			Suburb:	BENDIGO	SHEET REVISIONS AFTER TENDER		
				Works:	WOMBAT CROSSING	Revision	Description	Approved by	Date
				GB No:	GB5086	-	-	-	-
						-	-	-	-
						-	-	-	-



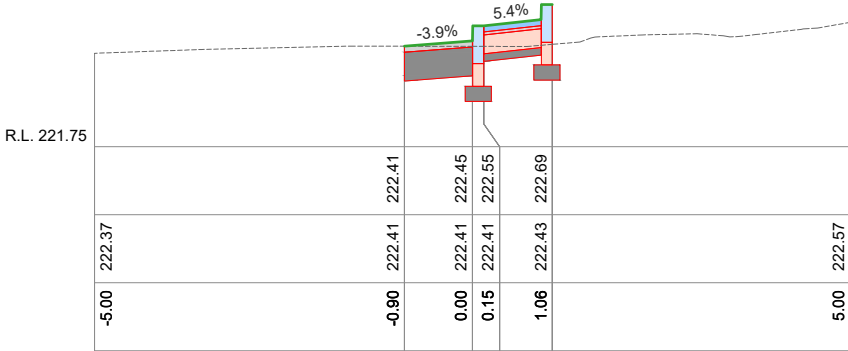
Ch 20.00



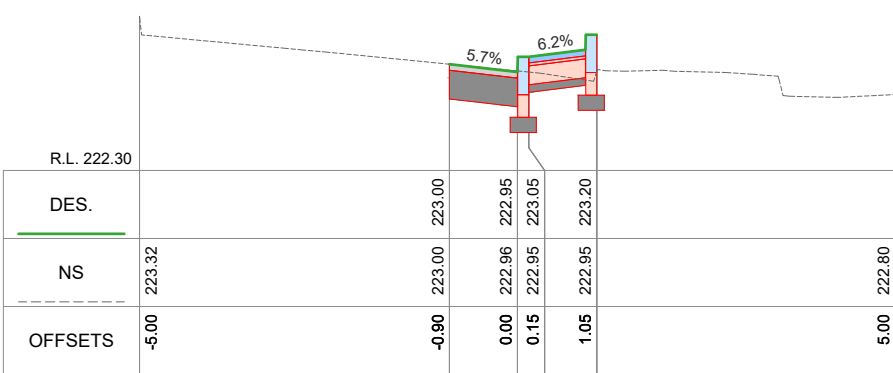
SOUTH KERB CROSS SECTIONS
SCALES: H 1:100 V 1:50 (A3)



Ch 30.00



Ch 15.00



NORTH KERB CROSS SECTIONS
SCALES: H 1:100 V 1:50 (A3)

Ch 5.00



PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	01/02/23
Designer:	B. JANSSEN	05/04/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
Current status:	PRELIMINARY DESIGN DRAFT 3	

PROJECT DETAILS	
Location:	VIEW & MACKENZIE STREET
Suburb:	BENDIGO
Works:	WOMBAT CROSSING
GB No:	GB5086

SHEET DETAILS			
CROSS SECTIONS	Sheet number: 6 of 8		
	Plan Scale: -		
	Original sheet size: A3		
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



R3-1A



W6-V2-2A

SIGN REMOVALS / ALTERATIONS

NO.	SIGN TYPE	SIGN CODE	ACTION
1	Pedestrian Crossing (x2)	R3-1A	Supply and Install New Signs
1	Pedestrian Crossing (x2)	R3-1A	Supply and Install New Signs
3	Pedestrian Crossing on Side Road	W6-V2-2A (R)	Supply and Install New Sign onto existing light pole below the banner supports.
4	Pedestrian Crossing on Side Road	W6-V2-2A (L)	Supply and Install New Sign between parking bays and next to the street tree, 1m off the lane edge.

STN 8
RL 222.775

STN 7
RL 222.607

STN 9
RL 223.678

STN 4
RL 226.853

STN 6
RL 221.773

STN 5
RL 225.906

PSM 302
RL 222.602



CITY OF GREATER
BENDIGO

PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	01/02/23
Designer:	B. JANSSEN	05/04/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

Current status:

**PRELIMINARY DESIGN
DRAFT 3**

PROJECT DETAILS

Location: VIEW & MACKENZIE STREET
Suburb: BENDIGO
Works: WOMBAT CROSSING
GB No: GB5086

SHEET DETAILS

SIGNAGE PLAN

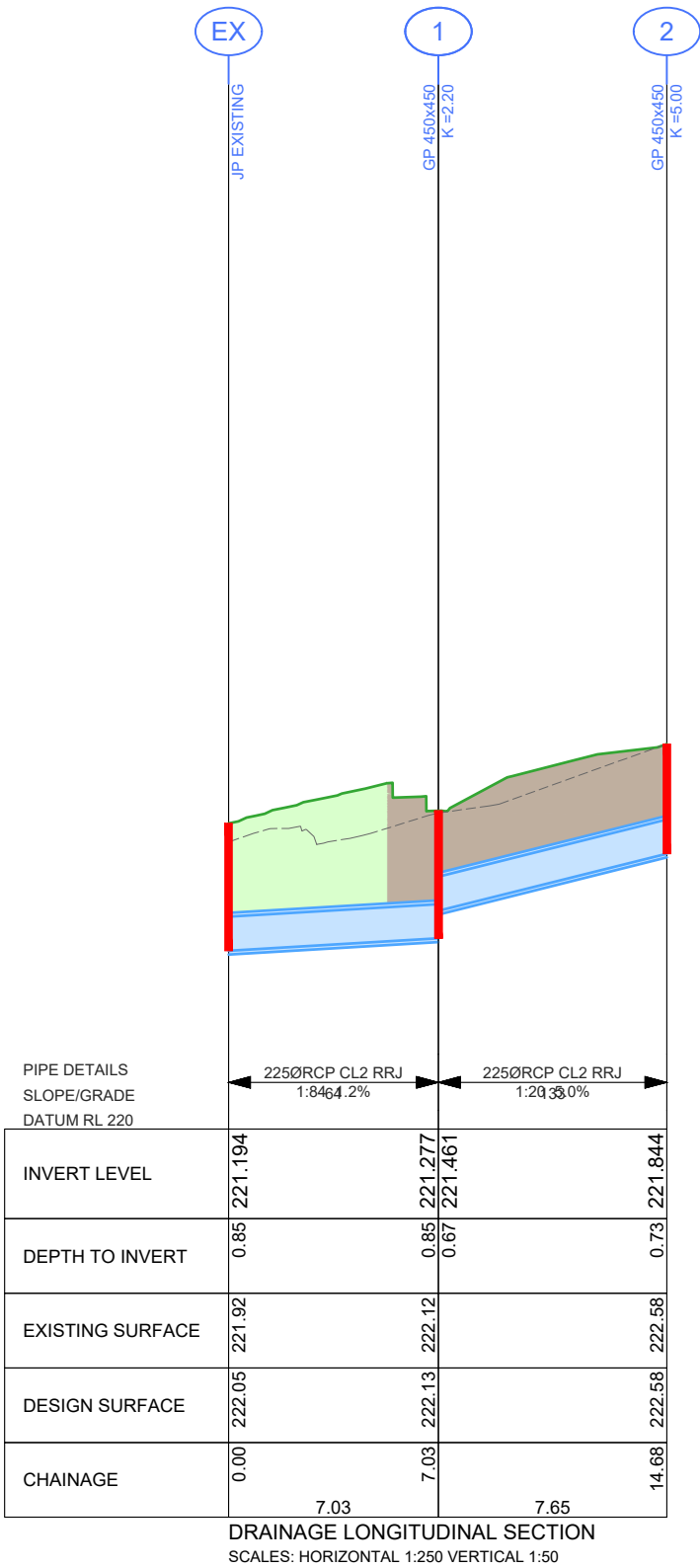
Sheet number: 7 of 8

Plan Scale: -

Original sheet size: A3

SHEET REVISIONS AFTER TENDER

Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



Pit Schedule									
Pit No.	Pit Type	Standard Drawing	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth
			(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)
EX	Junction Pit	Existing JP With New Fibreglass Lid	-	-	450		225	221.194	0.854
1	Grated Pit	COGB SD590-A-D-L-U	450	450	225	221.277	225	221.461	0.854
2	Grated Pit	COGB SD590-A-D-L-U	450	450	225	221.844			0.734

LEGEND

EXISTING PIPE TO REMAIN

DESIGN PIPE / PIT or ENDWALL

CoGB SD390 TRENCH BACKFILL (BEHIND KERB)

CoGB SD391 TRENCH BACKFILL (UNDER NEW ROAD)

CoGB SD392 TRENCH BACKFILL (UNDER EXISTING ROAD)

CITY OF GREATER BENDIGO

PROJECT DESIGN STATUS

Surveyor:

H. WHYTOCK

01/02/23

Designer:

B. JANSSEN

05/04/23

Draft Checked:

A. SMITH

xx/xx/23

Tender Approved:

N. SARTORI

xx/xx/23

Current status:

PRELIMINARY DESIGN DRAFT 3

PROJECT DETAILS

Location:

VIEW & MACKENZIE STREET

Suburb:

BENDIGO

Works:

WOMBAT CROSSING

GB No:

GB5086

SHEET DETAILS

DRAINAGE DETAILS

Sheet number:

8 of 8

Plan Scale:

-

Original sheet size:

A3

SHEET REVISIONS AFTER TENDER

Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-