

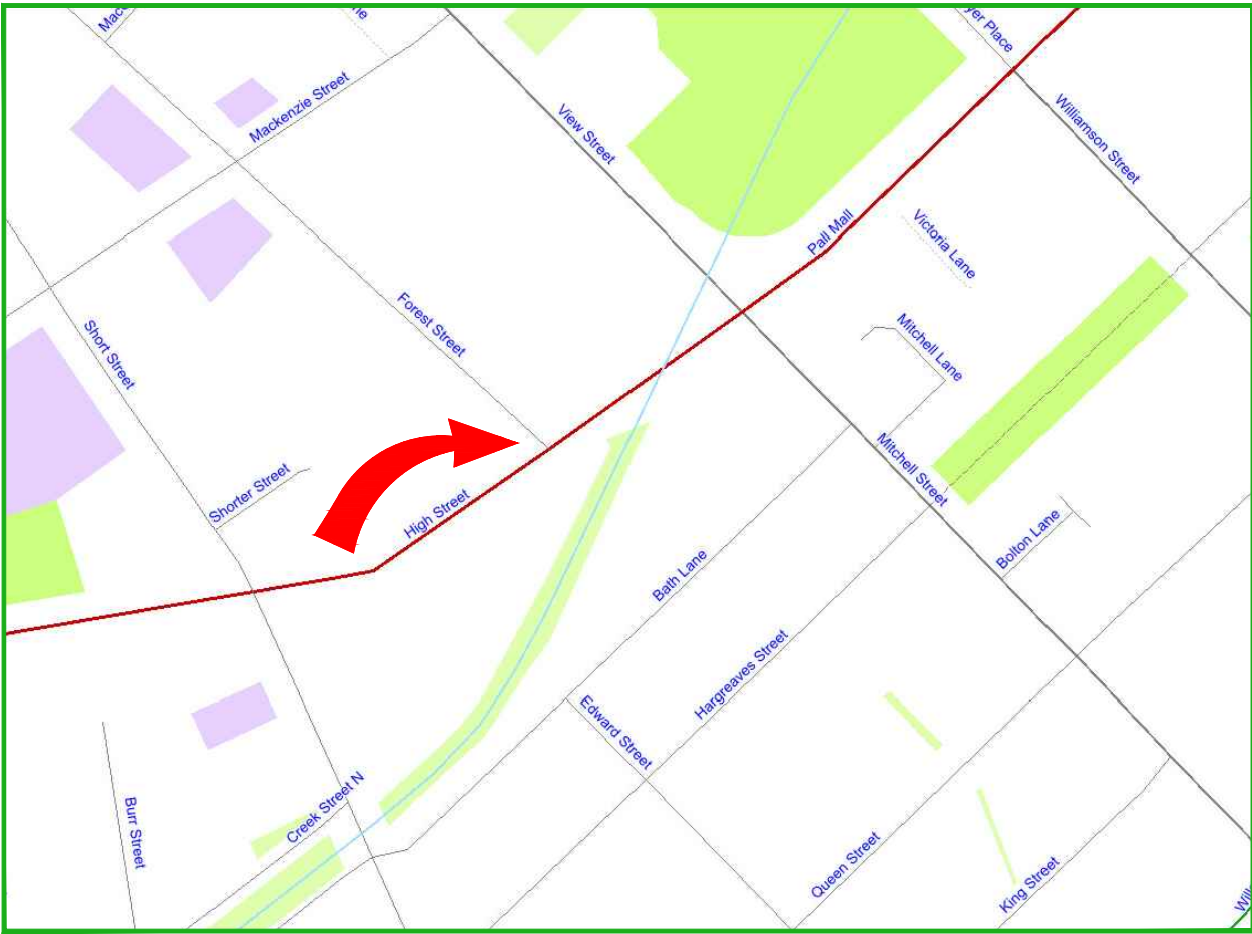
FOREST ST & HIGH ST, BENDIGO

GB5094

RAISED PEDESTRIAN CROSSING

JULY 2023


DOCUMENT CONTROL				
SHEET No.	SHEETD ESC.	12/07/2023	xx/xx/xx	xx/xx/xx
		DRAFT REVISION	TENDER REVISION	CONSTRUCTION REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	REMOVAL PLAN	A		
4	DETAIL PLAN	A		
5	LONGITUDINAL SECTIONS	A		
6	DRAINAGE DETAILS	A		
7	SIGNAGE PLAN	A		



LOCALITY MAP



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	Item	Required	Comments	Contractor	Surveyor:		H. WHYTOCK	02/02/23	Location: Forest St & High St	Suburb: Bendigo	Works: Raised Pedestrian Crossing	GB No: GB5094	COVER SHEET	Sheet number: 1 of 7	
	Vegetation	No	-		Designer:		M. JENNINGS	21/06/23						Plan Scale: -	A3
	RRV	Yes	MOA required		Draft Checked:		A. SMITH	xx/xx/23						Plotted: 12/07/2023 By:Megan Jennings	
	CMA	No	-		Tender Approved: N. SARTORI		xx/xx/23								
	Planning Permit	No	-												
	Land Acquisition	No	-		PRELIMINARY DESIGN DRAFT 4			SHEET REVISIONS AFTER TENDER							
CHMP	No	-		Revision				Description	Approved by	Date					
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:

FORMATION

204 Earthworks
205 Rock Fill

ASPHALT AND SURFACE TREATMENTS

407 Dense Graded Asphalt

INCIDENTAL CONSTRUCTION

701 Underground Stormwater Drains
703 General Concrete Paving
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 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

- 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	MOA required	
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/Services/Roads-and-Drainage/Roads/Construction-standards>
- '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 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

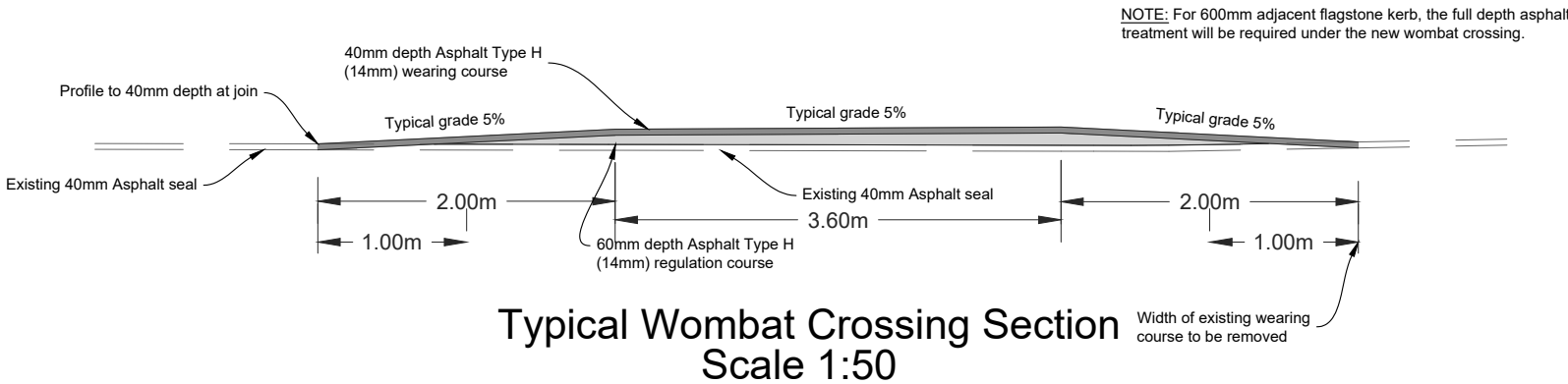
SITE ENVIRONMENTAL MANAGEMENT PLAN

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.



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

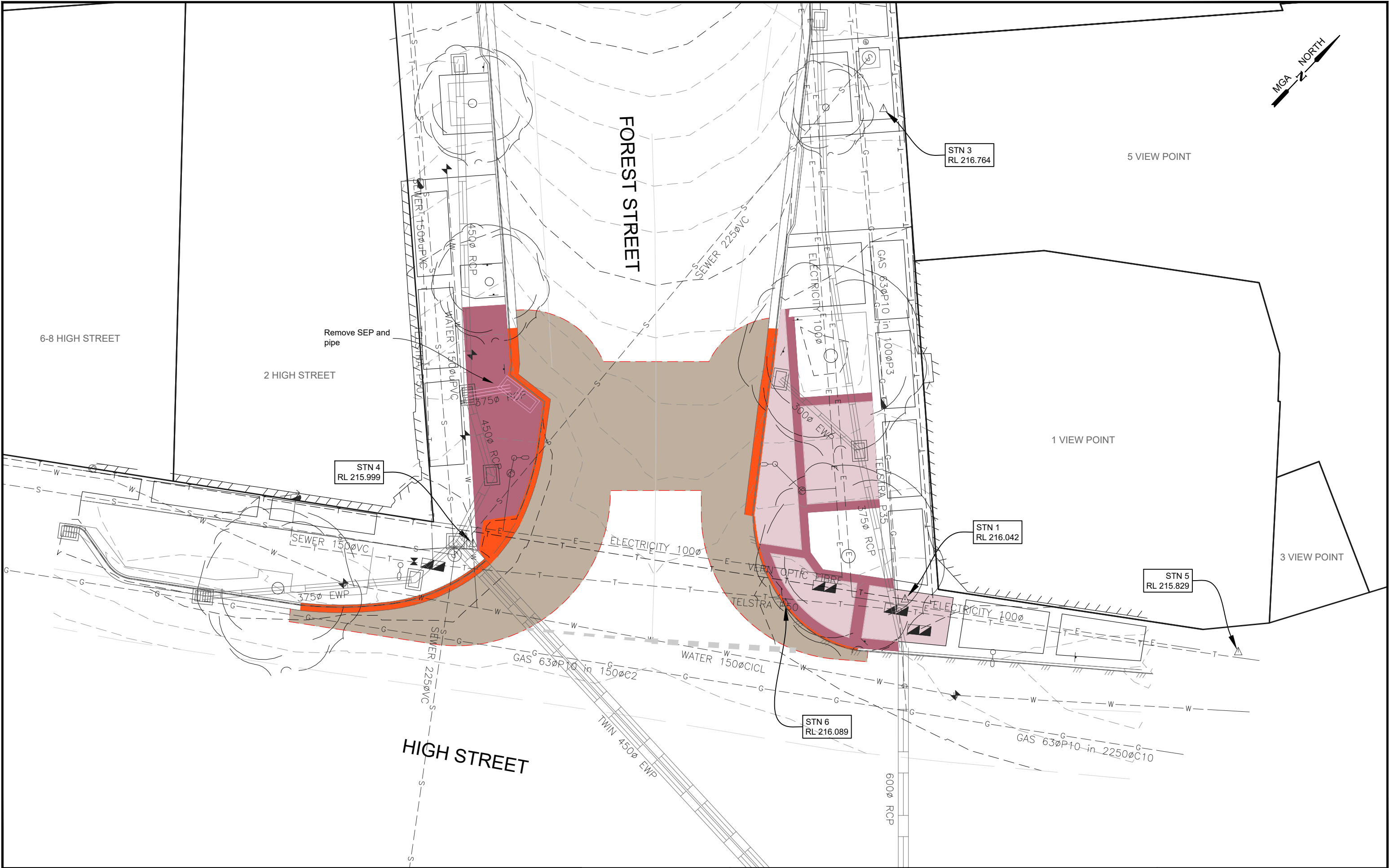


PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	02/02/23
Designer:	M. JENNINGS	21/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 4**

PROJECT DETAILS	
Location:	Forest St & High St
Suburb:	Bendigo
Works:	Raised Pedestrian Crossing
GB No:	GB5094

SHEET DETAILS			
GENERAL NOTES		Sheet number:	2 of 7
		Plan Scale:	- A3
		Plotted:	12/07/2023 By:Megan Jennings
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



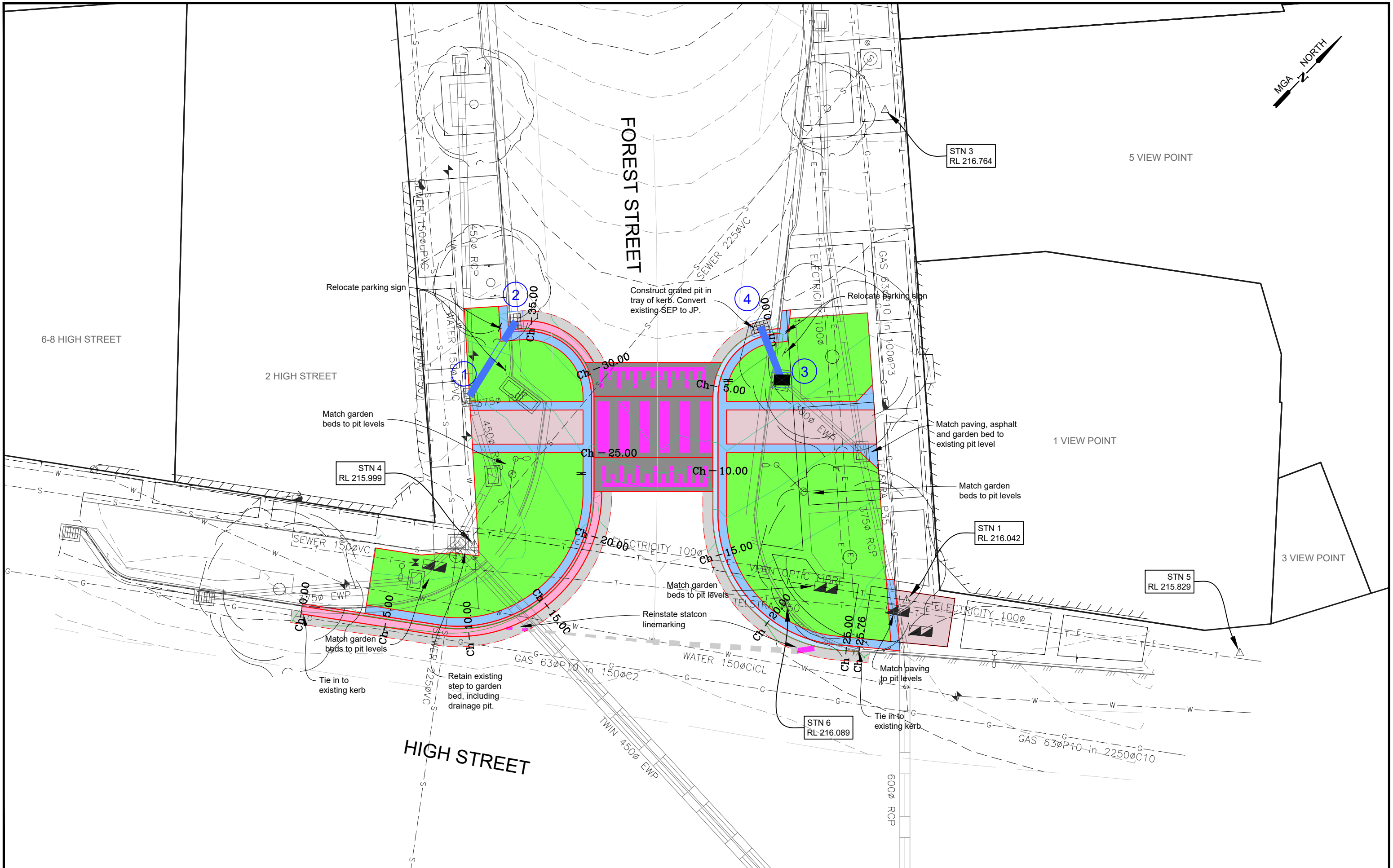
LEGEND			PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS	
<div></div>	Removal: Pavement	<div></div>	Removal: Asphalt Footpath	<div></div>	Removal: Pipe & Pits	Location:	Forest St & High St	Sheet number:	3 of 7
<div></div>	Removal: Kerb	<div></div>	Removal: Linemarking			Suburb:	Bendigo	Plan Scale:	1:200 A3
<div></div>	Removal: Bluestone paving	<div></div>	Removal: Sawcut			Works:	Raised Pedestrian Crossing	Plotted: 12/07/2023 By: Megan Jennings	
						GB No:	GB5094	SHEET REVISIONS AFTER TENDER	
								Revision	Description
								Approved by	Date
								-	-
								-	-
								-	-



PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	02/02/23
Designer:	M. JENNINGS	21/06/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 4



LEGEND

DESIGN CONTOURS
- Levels to AHD (0.10m interval)

EXISTING CONTOURS
- Levels to AHD (0.10m interval)

Concrete Kerb area: Normal plain
Kerb per IDM SD100 &
CoGB SD190

CBD Style Footpath area: Paved areas
Paving as per CoGB SD290

CBD Style Footpath area: Asphalt areas
Asphalt as per CoGB SD290

Bluestone Kerb:
Flagstone Kerb as per CoGB SD196

Pavement Area: Deep Lift Asphalt
- 40mm Type H (14mm)
- 190mm Type SI

Wombat Crossing
See Page 2 for Wombat Crossing Details

Landscape work: Garden Area
(Planting Schedule tbd.)

PROJECT DESIGN STATUS

Surveyor:
Designer:
Draft Checked:
Tender Approved:

H. WHYTOCK
M. JENNINGS
A. SMITH
N. SARTORI

02/02/23
21/06/23
xx/xx/23
xx/xx/23

PRELIMINARY DESIGN
DRAFT 4

PROJECT DETAILS

Location:
Suburb:
Works:
GB No:

Forest St & High St
Bendigo
Raised Pedestrian Crossing
GB5094

SHEET DETAILS

DETAIL PLAN

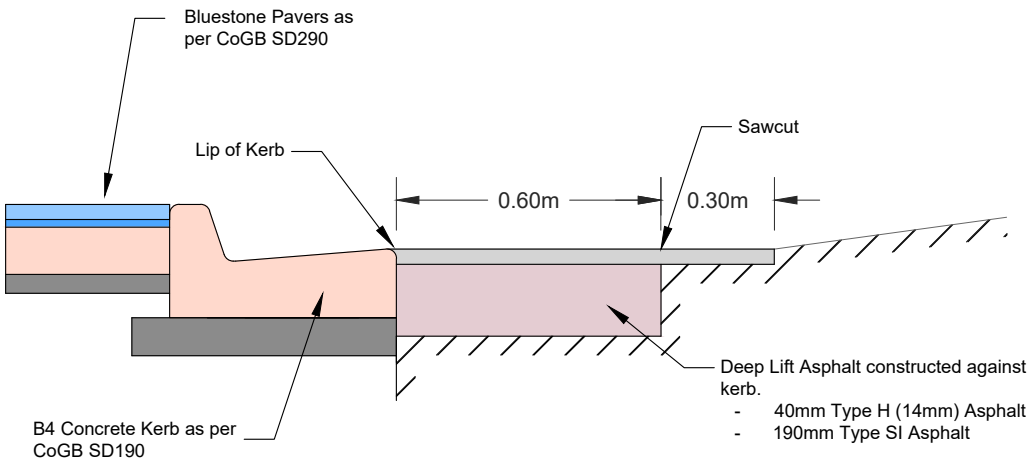
Sheet number:
Plan Scale:
Plotted:

4 of 7
1:200
12/07/2023

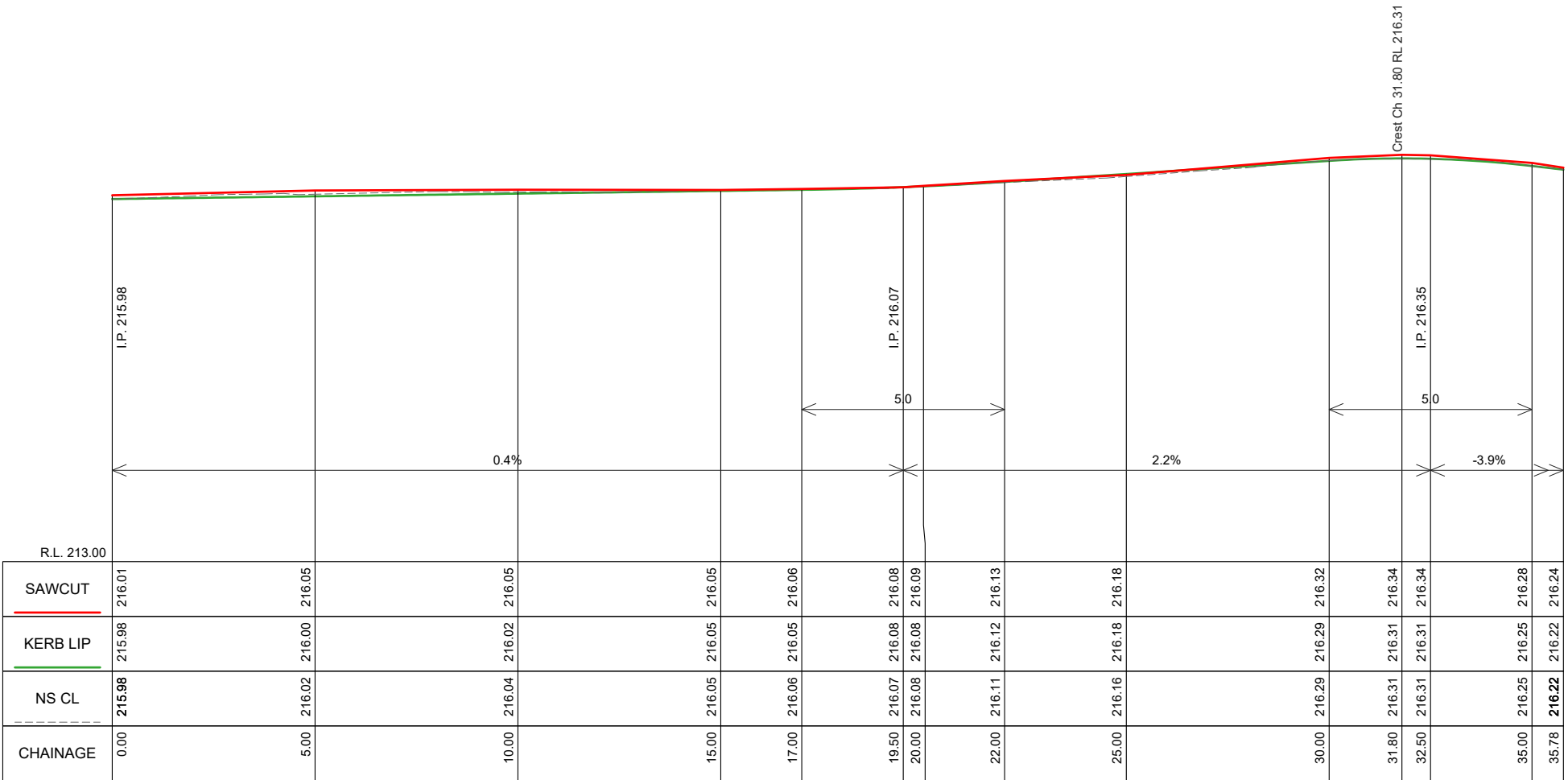
A3
By:Megan Jennings

SHEET REVISIONS AFTER TENDER

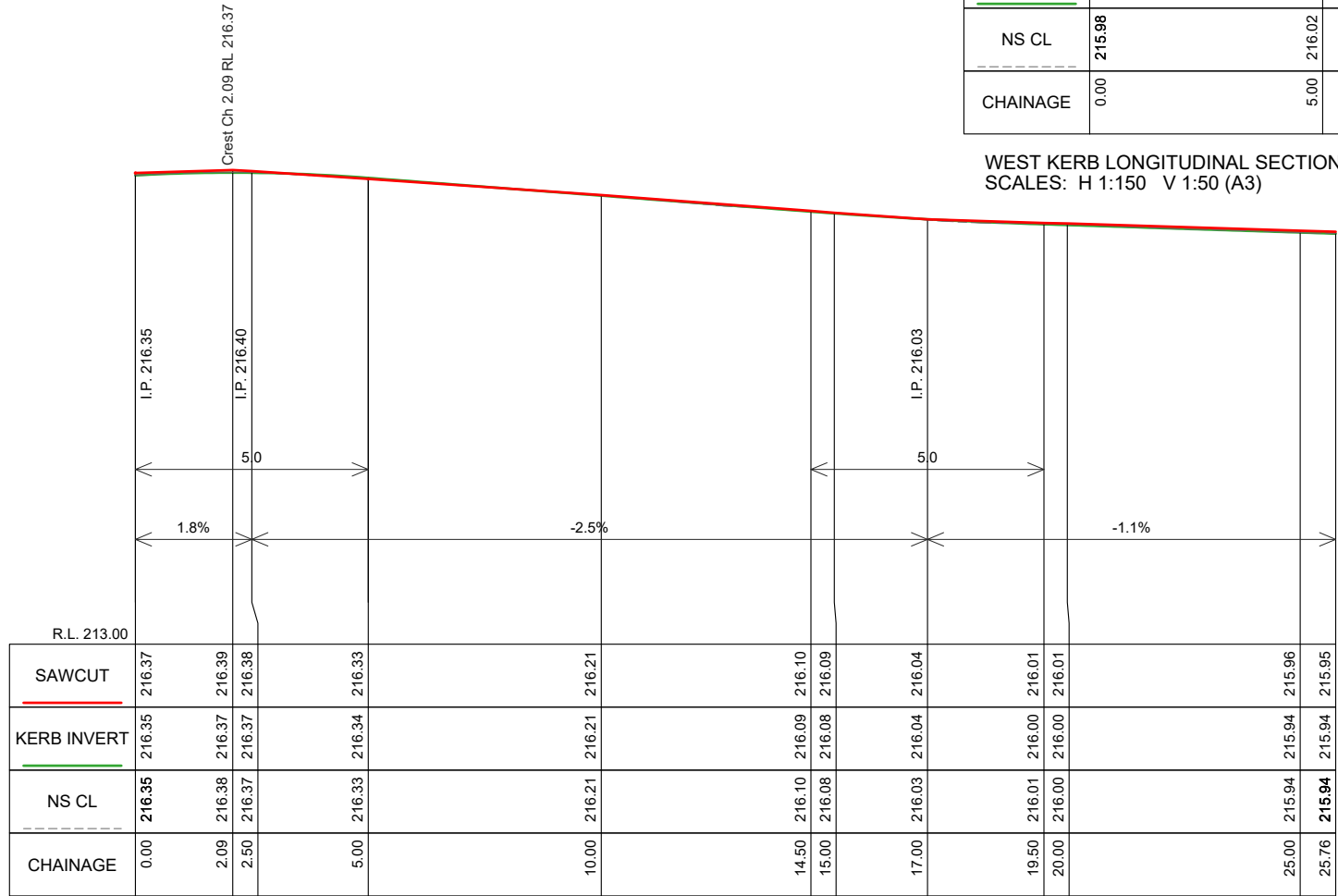
Revision	Description	Approved by	Date
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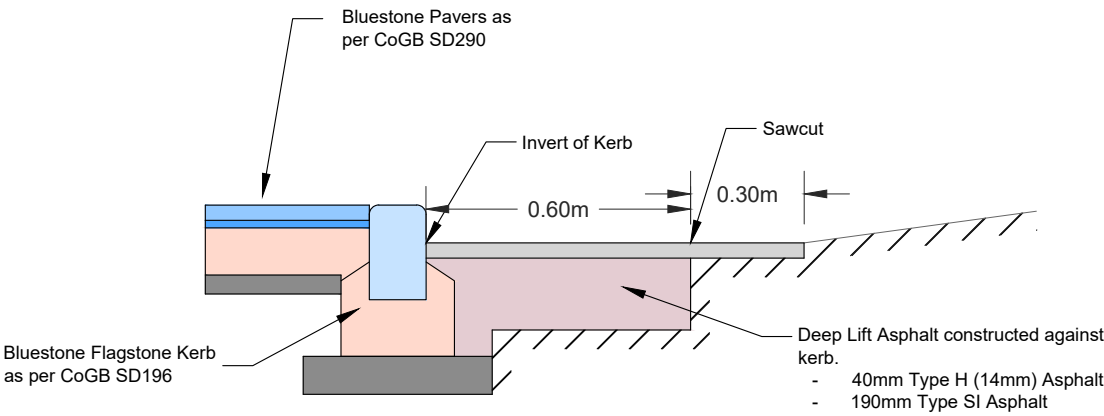
Concrete Kerb Cross Section
Scale 1:20



WEST KERB LONGITUDINAL SECTION CH 0.000 To 35.777
SCALES: H 1:150 V 1:50 (A3)

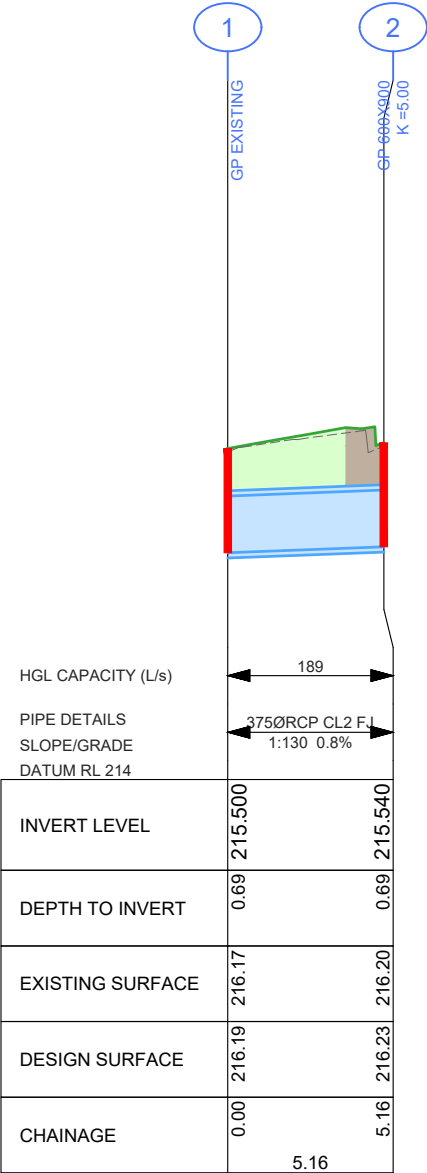


EAST KERB LONGITUDINAL SECTION CH 0.000 To 25.763
SCALES: H 1:150 V 1:50 (A3)

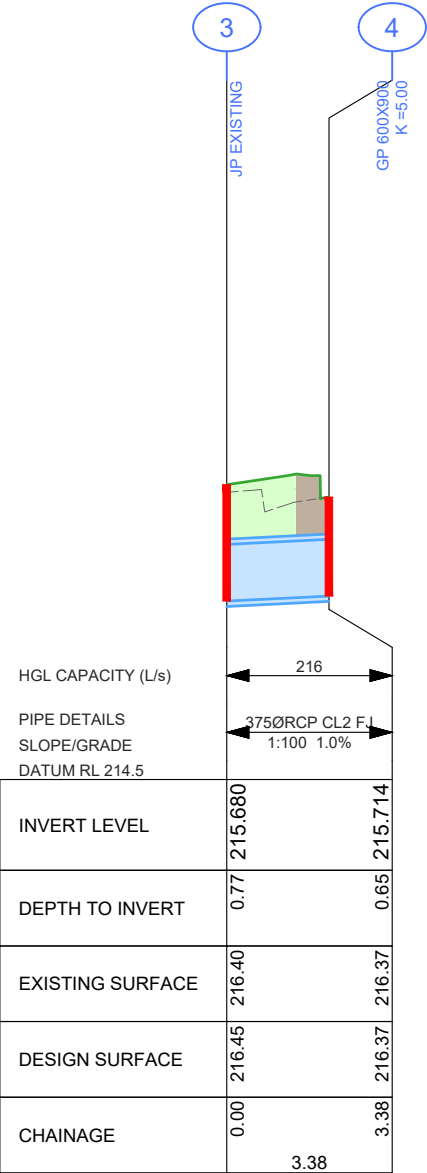


Flagstone Kerb Cross Section
Scale 1:20

Pit Schedule										
Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Comment
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	
1	GP EXISTING	600	900			375	215.500	0.689	216.189	Connect to existing GP
2	COGB SD590 A-C-K	600	900	375	215.540			0.687	216.227	Construct GP in kerb tray
3	COGB SD590 A-C-L-T	600	900			375	215.680	0.770	216.450	Convert existing SEP to JP
4	COGB SD590 A-C-K	600	900	375	215.714			0.655	216.369	Construct GP in kerb tray



DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50



DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50

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. WHYTOCK02/02/23

Designer: M. JENNINGS21/06/23

Draft Checked: A. SMITHxx/xx/23

Tender Approved: N. SARTORIxx/xx/23

PRELIMINARY DESIGN DRAFT 4

PROJECT DETAILS

Location: Forest St & High St

Suburb: Bendigo

Works: Raised Pedestrian Crossing

GB No: GB5094

SHEET DETAILS

DRAINAGE DETAILS

Sheet number: 6 of 7

Plan Scale: AS SHOWNA3

Plotted: 12/07/2023 By: Megan Jennings

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
2	Pedestrian Crossing (x2)	R3-1A	Supply and Install New Signs
3	Pedestrian Crossing on Side Road	W6-V2-2A (L)	Supply and Install New Sign
4	Pedestrian Crossing on Side Road	W6-V2-2A (R)	Supply and Install New Sign onto rear of existing sign
5	Parking sign		Relocate existing sign to new location
6	Parking sign		Relocate existing sign to new location



PROJECT DESIGN STATUS

Surveyor:

H. WHYTECK

02/02/23

Designer:

M. JENNINGS

21/06/23

Draft Checked:

A. SMITH

xx/xx/23

Tender Approved:

N. SARTORI

xx/xx/23

PRELIMINARY DESIGN
DRAFT 4

PROJECT DETAILS

Location:

Forest St & High St

Suburb:

Bendigo

Works:

Raised Pedestrian Crossing

GB No:

GB5094

SHEET DETAILS

SIGNAGE PLAN

Sheet number: 7 of 7

Plan Scale: 1:300

A3

Plotted: 12/07/2023 By: Megan Jennings

SHEET REVISIONS AFTER TENDER

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