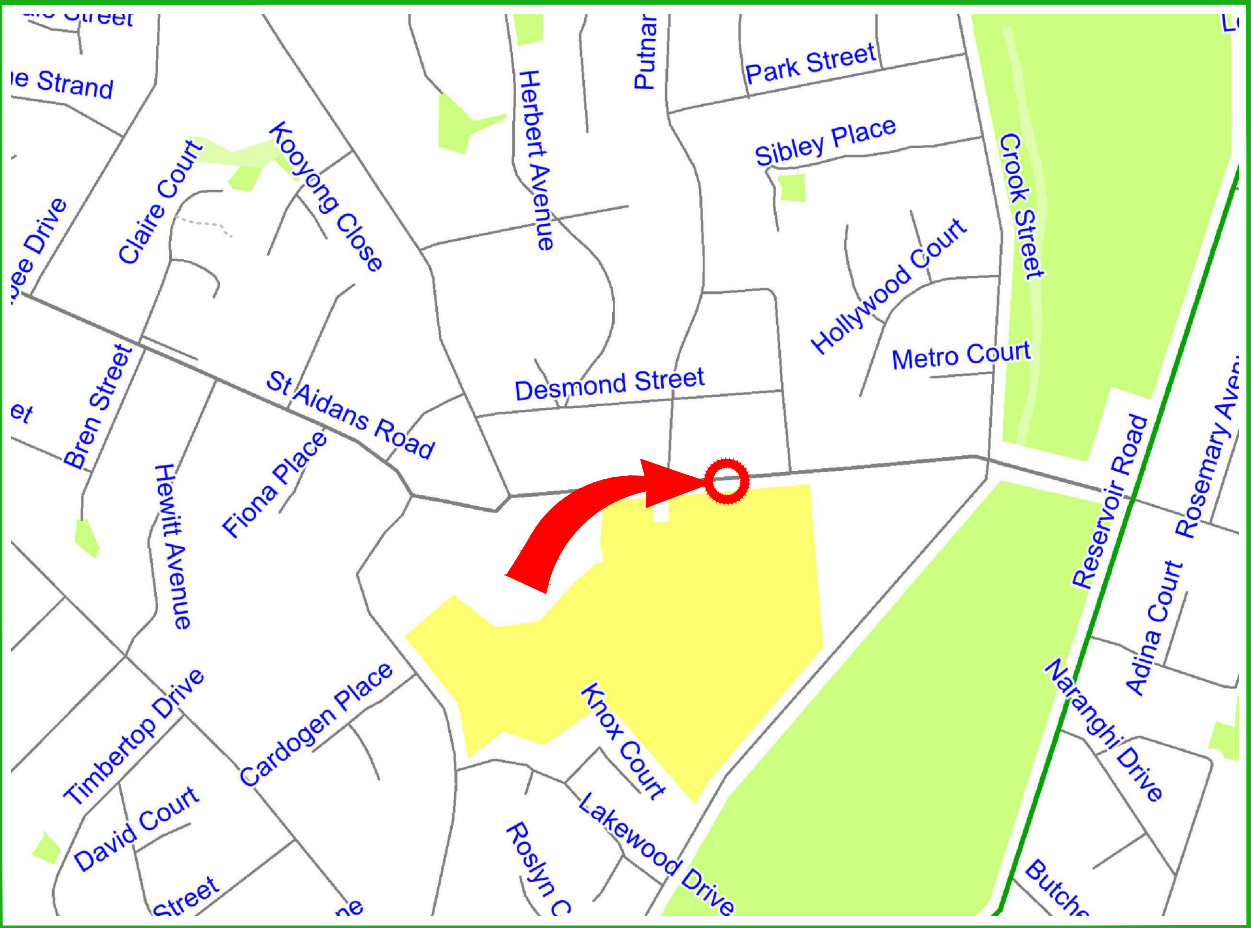


ST AIDENS ROAD, KENNINGTON

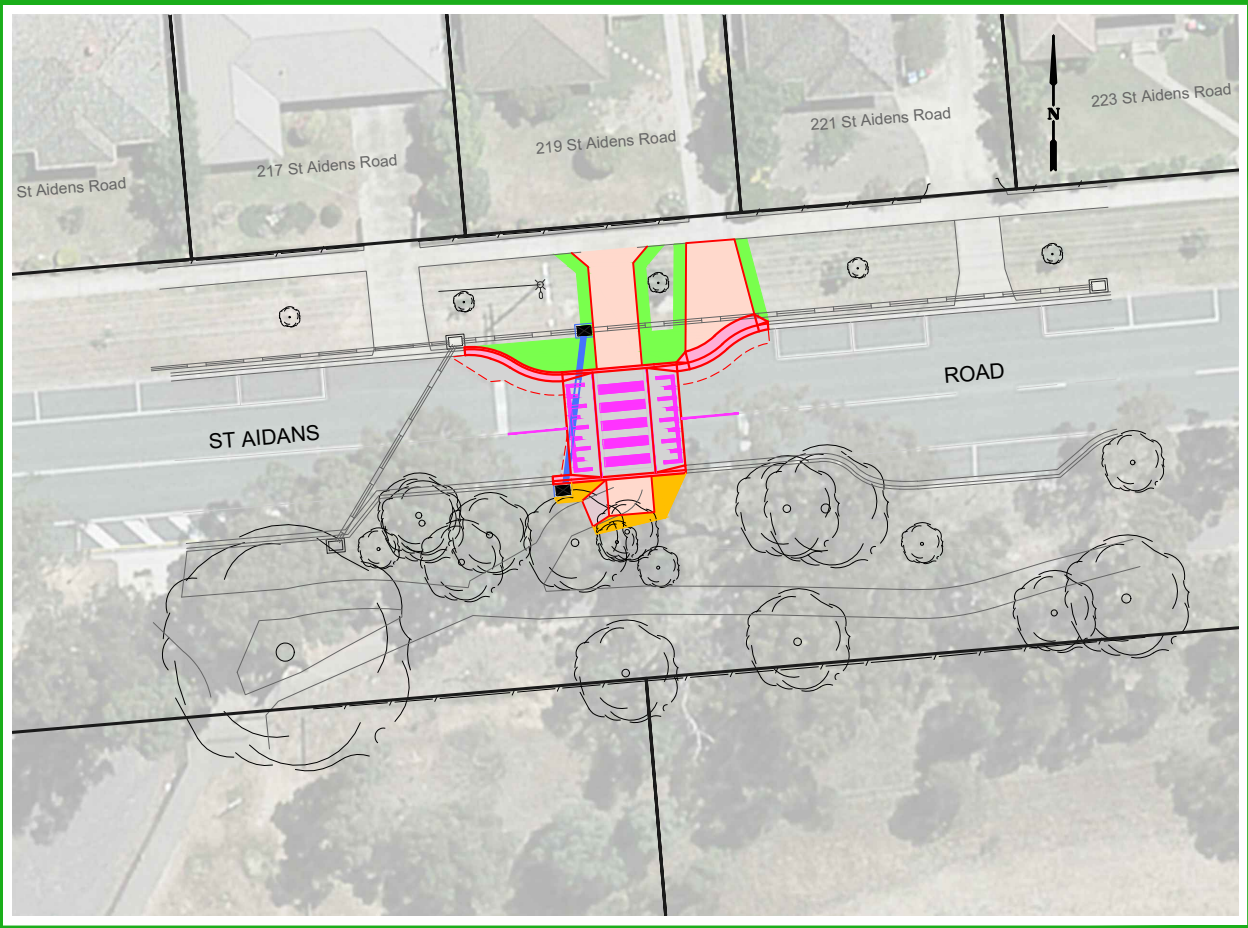
GB5226

Raised pedestrian crossing November 2023


DOCUMENT CONTROL				
SHEET No.	SHEETD ESC.	16/11/2023	xx/xx/xx	xx/xx/xx
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	DEMOLITION PLAN	A		
4	DETAIL LAYOUT	A		
5	SIGNAGE AND LINEMARKING	A		
6	KERB RETURN Long & Cross Sections	A		
7	RAISED CROSSING Long & XS	A		
8	DRAINAGE DETAILS	A		
9	SETOUT DETAILS	A		
10	EXISTING LIGHTING CONTOURS	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. Whylock	28/06/23	Location: St Aidens Road	Suburb: Kennington	Works: IP43 - Raised Pedestrian Crossing	GB No: GB5226	COVER SHEET	Sheet number: 1 of 10	
	Vegetation	No	-		Designer:		I. Frost	16/11/23						Plan Scale: - A3	
	RRV	Yes	-		Draft Checked:		A. Smith	xx/xx/23						Plotted: 16/11/2023 By:Ian Frost	
	CMA	No	-		Tender Approved:		N. SARTORI	xx/xx/23							
	Planning Permit	No	-		<div>PRELIMINARY DESIGN DRAFT 3</div>			SHEET REVISIONS AFTER TENDER							
	Land Acquisition	No	-					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:

FORMATION

- 201 Site Clearing
- 204 Earthworks

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)
- 405 Regulation Gap Graded Asphalt
- 417 Open Graded Asphalt
- 430 High Friction Surface Treatment

INCIDENTAL CONSTRUCTION

- 701 Underground Stormwater Drains
- 702 Subsurface Drainage
- 703 General Concrete Paving
- 705 Drainage Pits and Covers
- 706 Installation or Replacement of Utility Infrastructure within Road Reserves
- 710 Fixing Raised Pavement Markers
- 711 Wire Rope Safety Barrier (WRSB)
- 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	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:

- 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

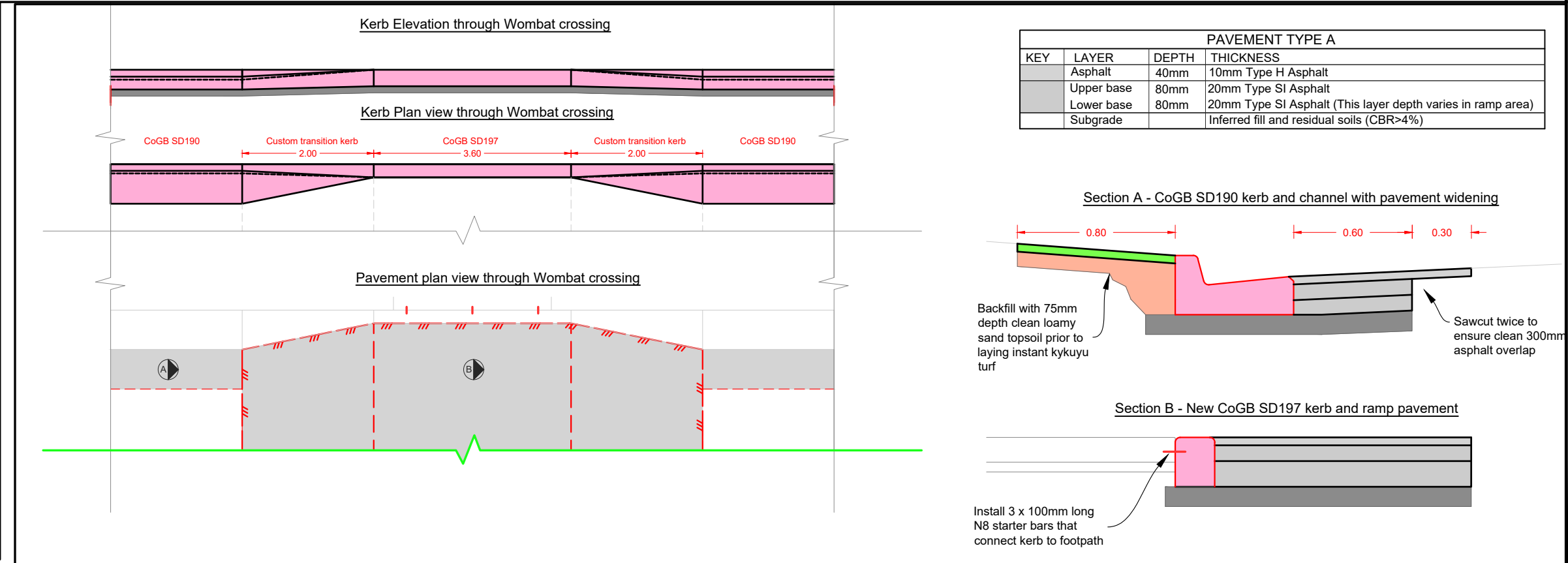
SITE ENVIRONMENTAL MANAGEMENT PLAN

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.



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 GPS Localisation
- Survey level has been tied to AHD via GPS Localisation
- Coordinates have been centred on STN 901
- Title information is from CoGB

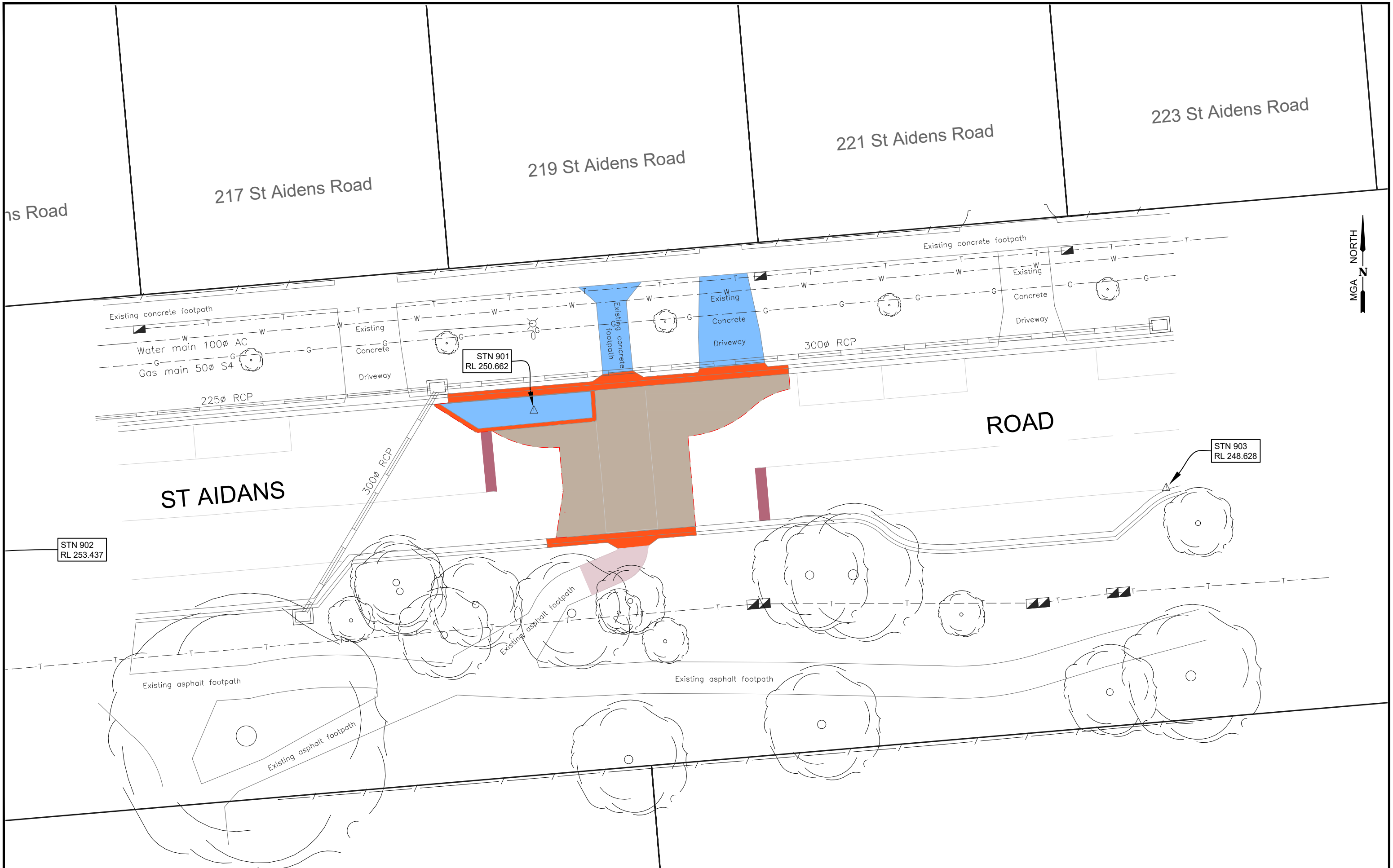


PROJECT DESIGN STATUS		
Surveyor:	H. Whylock	28/06/23
Designer:	I. Frost	16/11/23
Draft Checked:	A. Smith	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 3

PROJECT DETAILS	
Location:	St Aidens Road
Suburb:	Kennington
Works:	IP43 - Raised Pedestrian Crossing
GB No:	GB5226

SHEET DETAILS		
GENERAL NOTES		Sheet number: 2 of 10
		Plan Scale: - A3
Plotted: 16/11/2023 By: Ian Frost		
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
-	-	-
-	-	-
-	-	-



LEGEND

	Removal: Pavement		Removal: Linemarking		Removal: Tree
	Removal: Kerb		Removal: Sawcut		
	Removal: Concrete		Removal: Pipe		

CITY OF GREATER BENDIGO

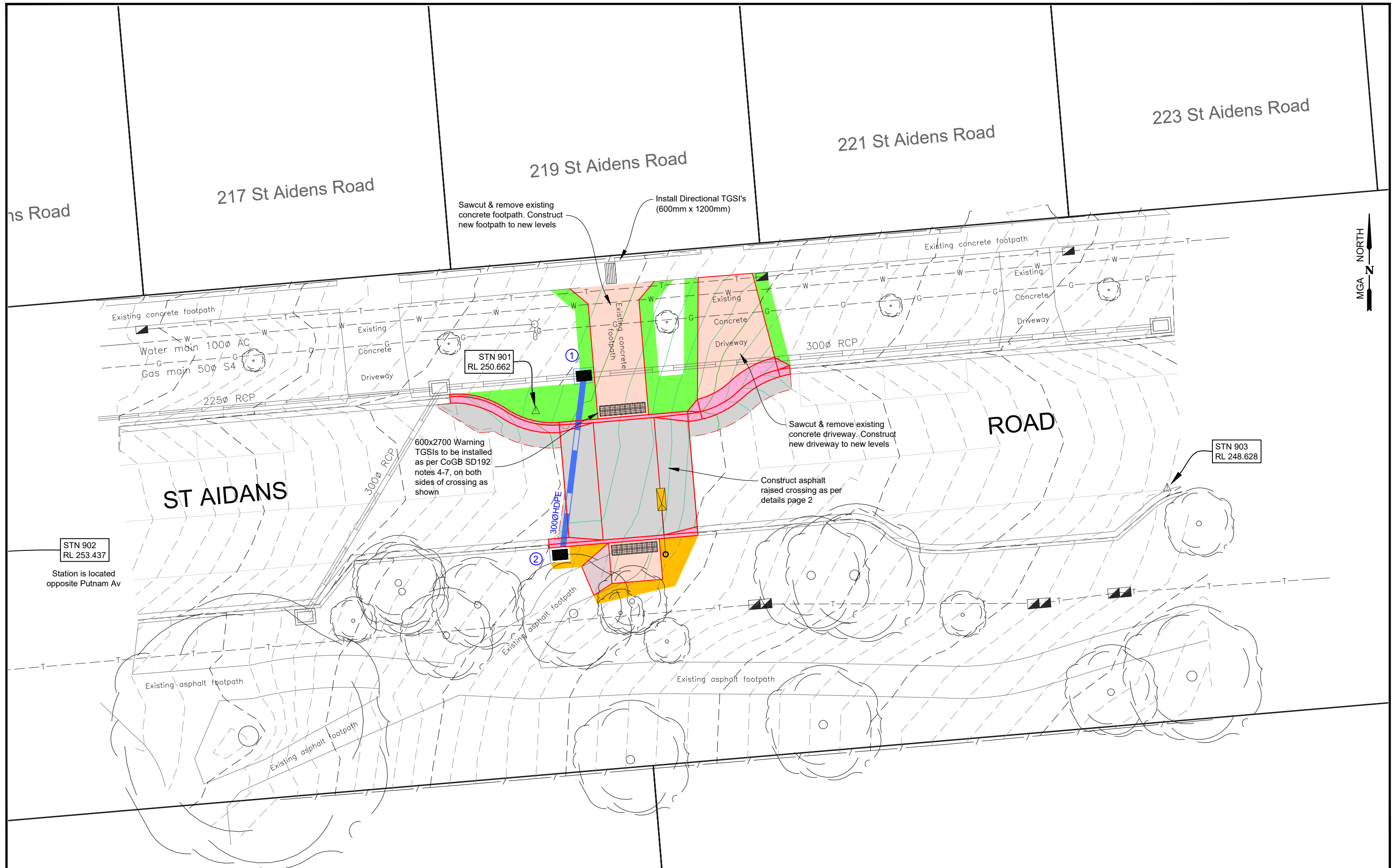
PROJECT DESIGN STATUS		
Surveyor:	H. Whylock	28/06/23
Designer:	I. Frost	16/11/23
Draft Checked:	A. Smith	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23


PRELIMINARY DESIGN DRAFT 3

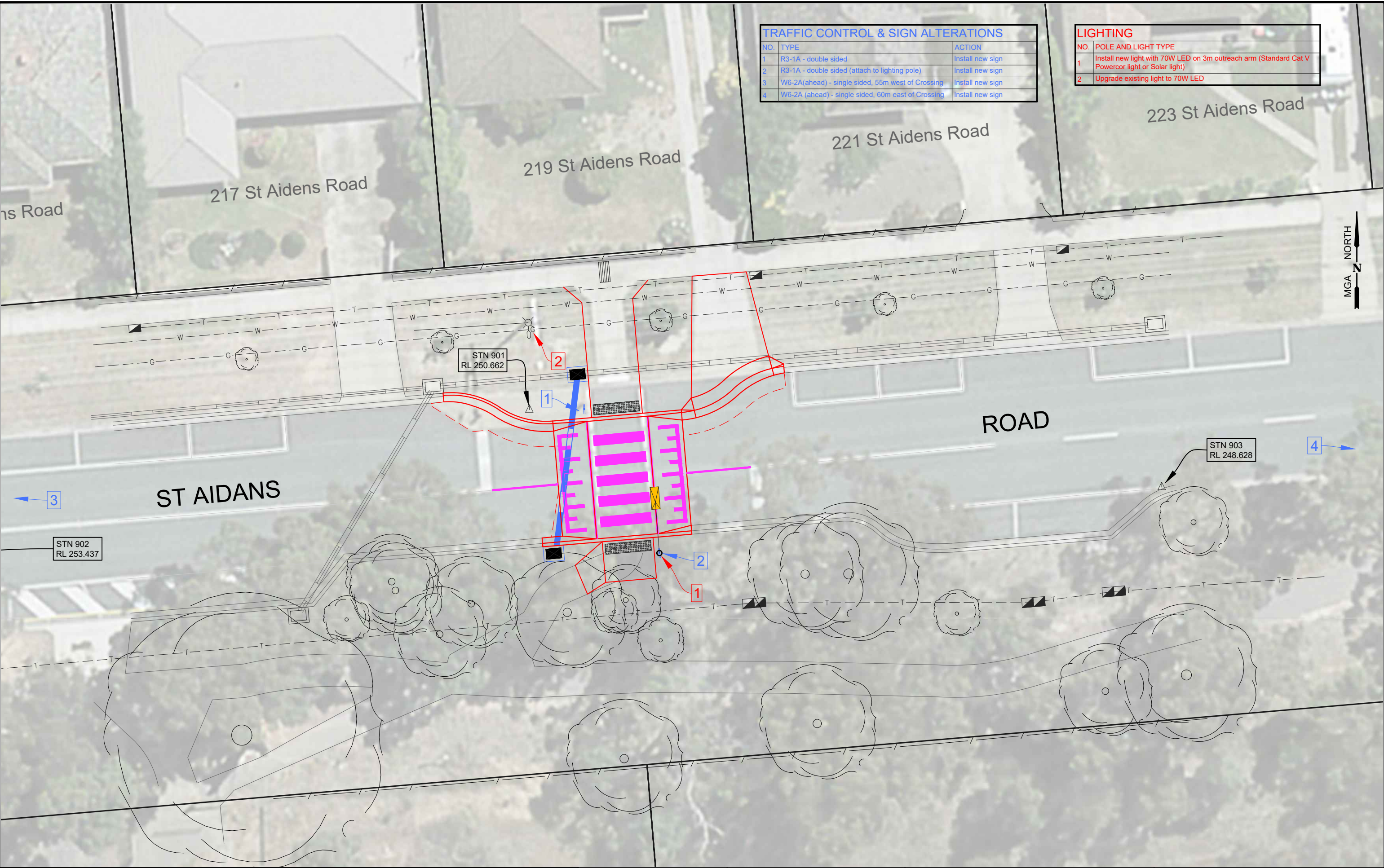
PROJECT DETAILS	
Location:	St Aidens Road
Suburb:	Kennington
Works:	IP43 - Raised Pedestrian Crossing
GB No:	GB5226

SHEET DETAILS	
DEMOLATION PLAN	Sheet number: 3 of 10
	Plan Scale: 1:200
	Plotted: 16/11/2023 By: Ian Frost
SHEET REVISIONS AFTER TENDER	
Revision	Description
-	-
-	-
-	-

Approved by	Date
-	-
-	-
-	-



LEGEND				PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS						
	DESIGN CONTOURS - Levels to AHD (0.10m interval)		Concrete Footpath area: Normal plain Footpath as per IDM SD 205 & SD210		Concrete Driveway area: Industrial plain Dwy as per IDM SD250		Landscape work: Instant turf (Refer: Typical details pg 2)	Surveyor:	H. Whylock	28/06/23	DETAILED LAYOUT	Sheet number:	4 of 10		
	EXISTING CONTOURS - Levels to AHD (0.10m interval)		Concrete Footpath area: Normal Black Footpath as per IDM SD 205 & SD210		Existing tree to be removed		Landscape work: topsoil and seed (Refer: Typical details pg 2)	Designer:	I. Frost	16/11/23		Plan Scale:	1:200	A3	
	Concrete Kerb area: Normal plain Kerb per IDM SD100 & CoGB SD190,191,192		Concrete Driveway area: Normal plain Dwy as per IDM SD240		Landscape work: Proposed Tree Plant as directed by CoGB Parks		Landscape work: Mulched areas (Refer: Typical details pg 2)	Draft Checked:	A. Smith	xx/xx/23		Plotted: 16/11/2023 By:lan Frost			
								Tender Approved:	N. SARTORI	xx/xx/23					
								<div>PRELIMINARY DESIGN DRAFT 3</div>			Location:		St Aidens Road		
										Suburb:		Kennington			
										Works:		IP43 - Raised Pedestrain Crossing			
										GB No:		GB5226			
												SHEET REVISIONS AFTER TENDER			
												Revision	Description	Approved by	Date
												-	-	-	-
												-	-	-	-
												-	-	-	-



TRAFFIC CONTROL & SIGN ALTERATIONS		
NO.	TYPE	ACTION
1	R3-1A - double sided	Install new sign
2	R3-1A - double sided (attach to lighting pole)	Install new sign
3	W6-2A(ahead) - single sided, 55m west of Crossing	Install new sign
4	W6-2A (ahead) - single sided, 60m east of Crossing	Install new sign

LIGHTING	
NO.	POLE AND LIGHT TYPE
1	Install new light with 70W LED on 3m outreach arm (Standard Cat V Powercor light or Solar light)
2	Upgrade existing light to 70W LED

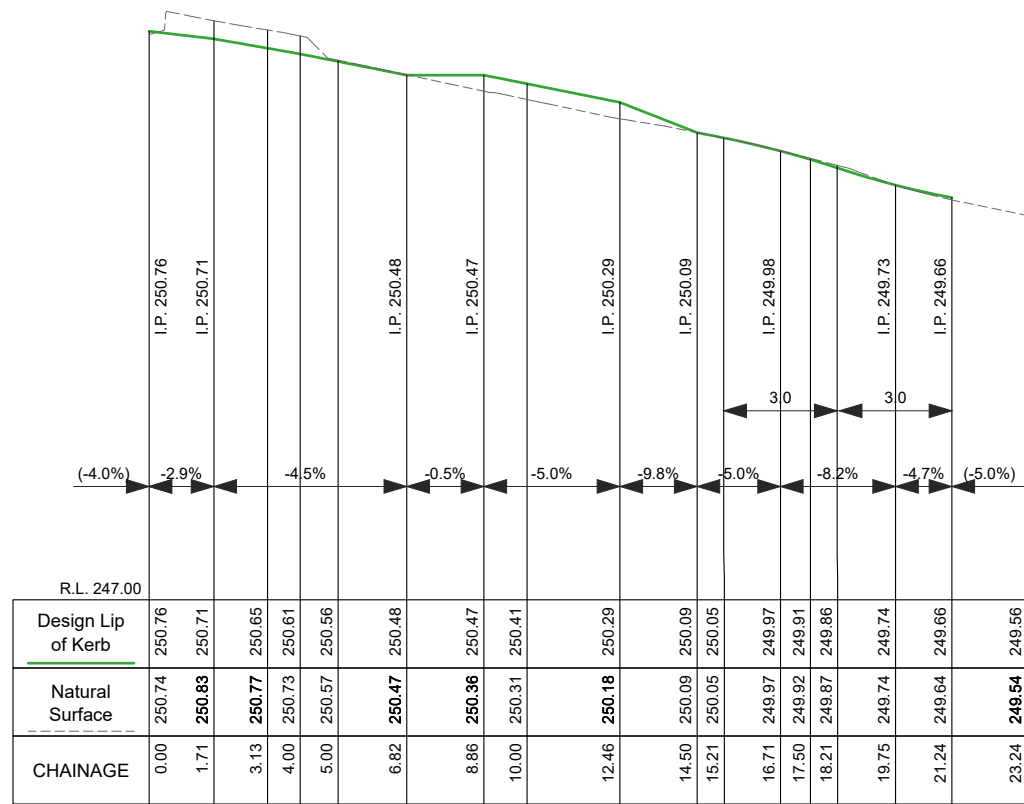
LEGEND	
Design Linemarking - White	Design Sign
Design Linemarking - Yellow	Existing Sign
Design Bicycle Symbol	Design RRPM - White
	Design RRPM - Red
	Design RRPM - Yellow



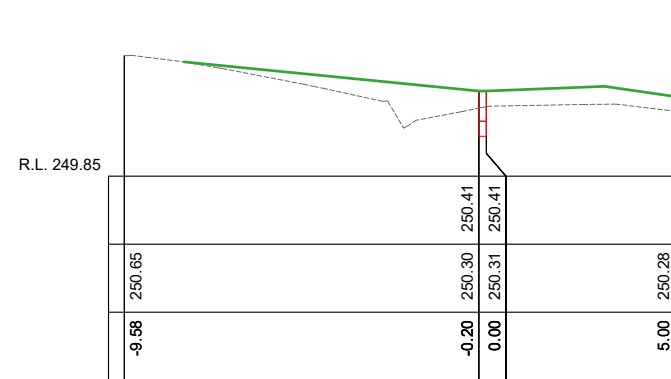
PROJECT DESIGN STATUS		
Surveyor:	H. Whylock	28/06/23
Designer:	I. Frost	16/11/23
Draft Checked:	A. Smith	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	St Aidens Road
Suburb:	Kennington
Works:	IP43 - Raised Pedestrain Crossing
GB No:	GB5226

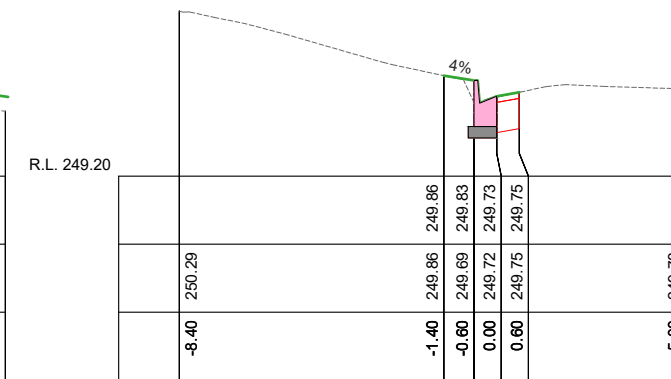
SHEET DETAILS		
SIGNAGE AND LINEMARKING		Sheet number: 5 of 10
		Plan Scale: 1:200
		Plotted: 16/11/2023 By: Ian Frost
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
-	-	-
-	-	-
-	-	-



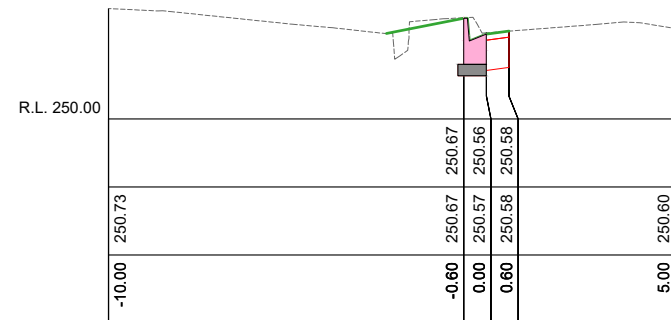
North Lip of Kerb LONGITUDINAL SECTION CH 0.000 To 23.236



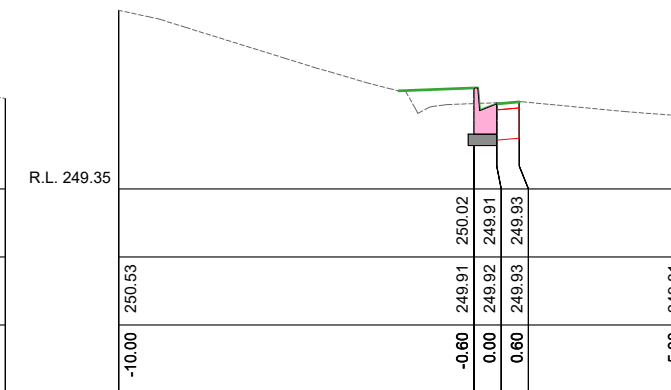
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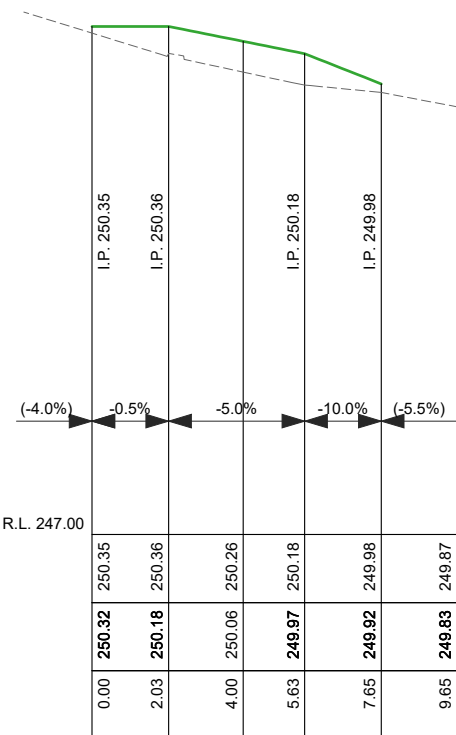
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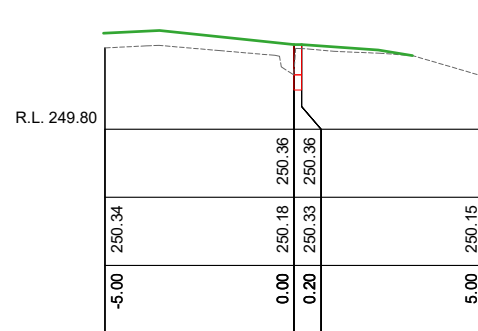
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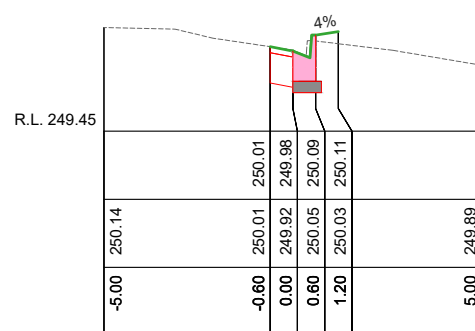
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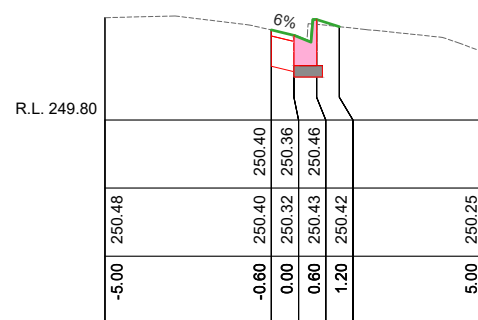
South Lip of Kerb
Longitudinal Section CH 0.000 To 7.65



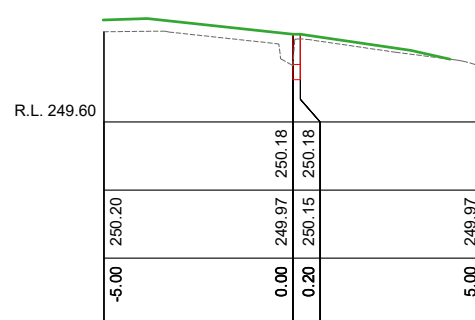
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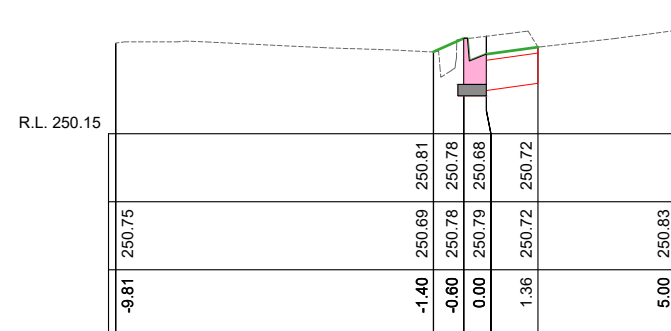
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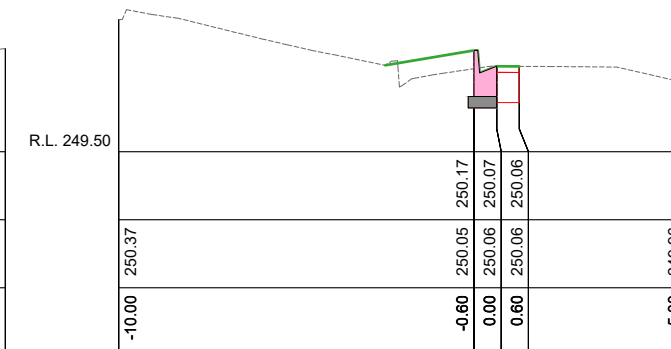
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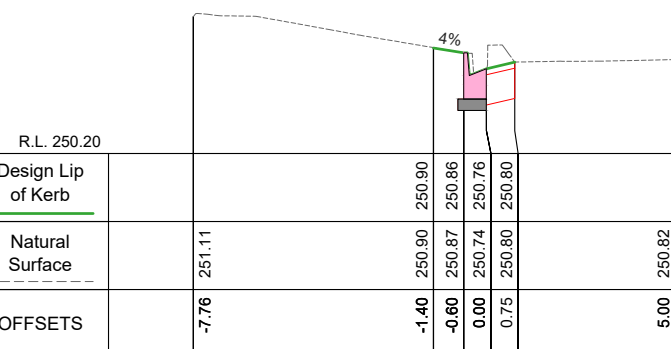
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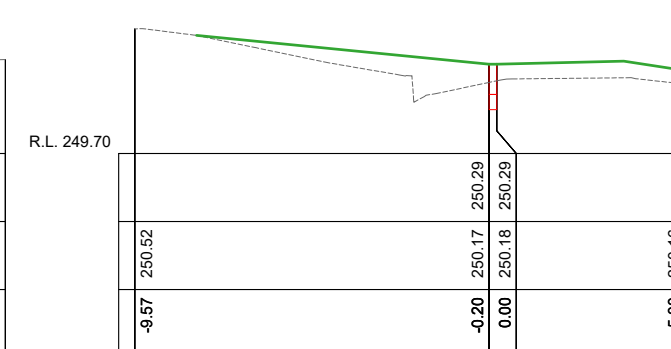
Ch 2.50



Ch 15.00



Ch 0.00



Ch 12.46

North Lip of Kerb CROSS SECTIONS

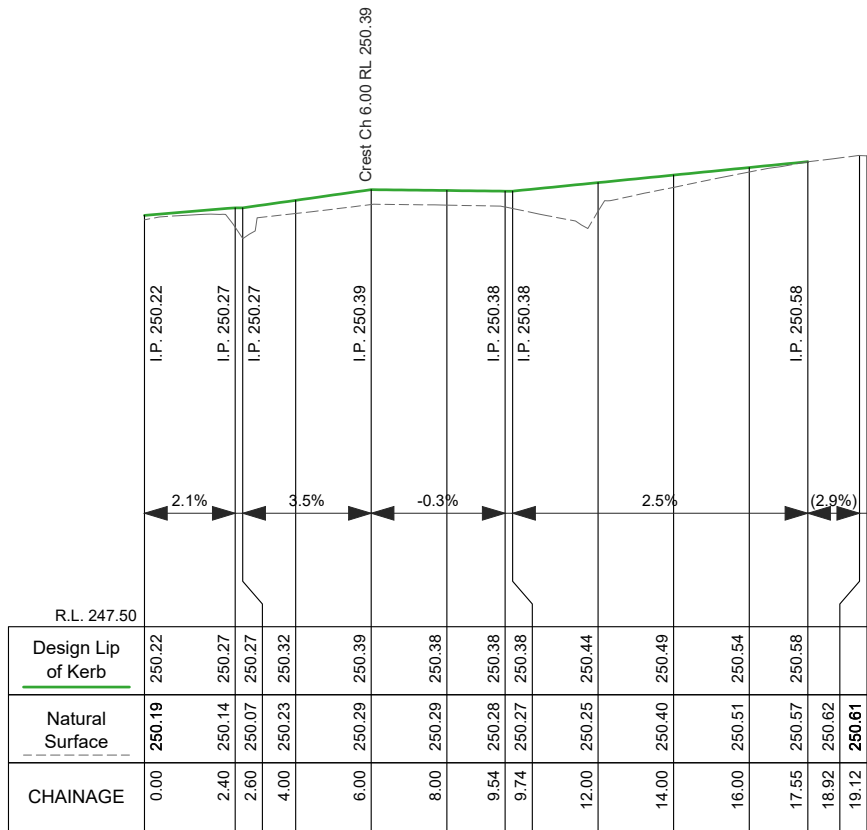
South Lip of Kerb CROSS SECTIONS



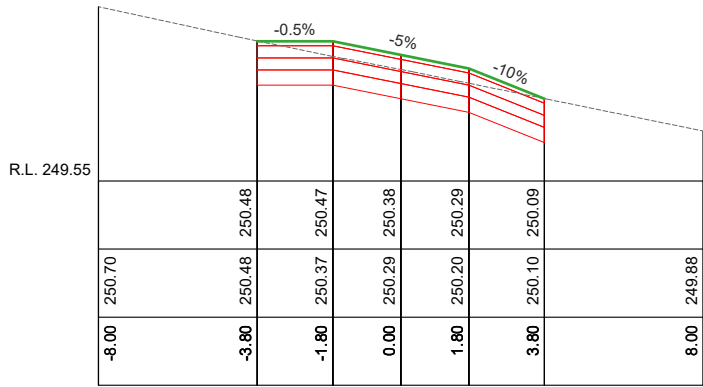
PROJECT DESIGN STATUS		
Surveyor:	H. Whylock	28/06/23
Designer:	I. Frost	16/11/23
Draft Checked:	A. Smith	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	St Aidens Road
Suburb:	Kennington
Works:	IP43 - Raised Pedestrian Crossing
GB No:	GB5226

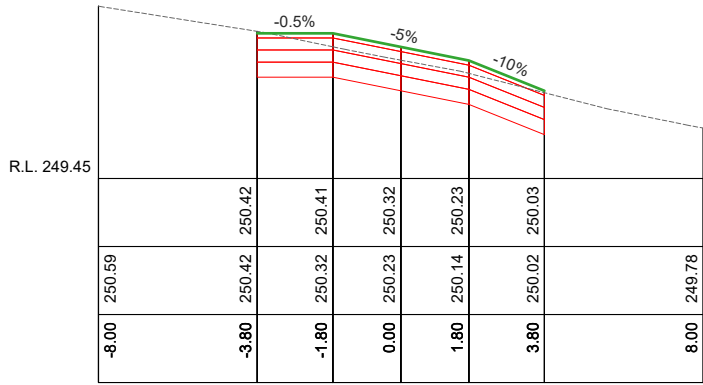
SHEET DETAILS		
Kerb Returns Long & Cross Sections		Sheet number: 6 of 10
		Plan Scale: H;1:200,V;1:50
		Plotted:16/11/2023 By:Jan Frost
SHEET REVISIONS AFTER TENDER		Approved by
Revision	Description	Date
-	-	-
-	-	-
-	-	-



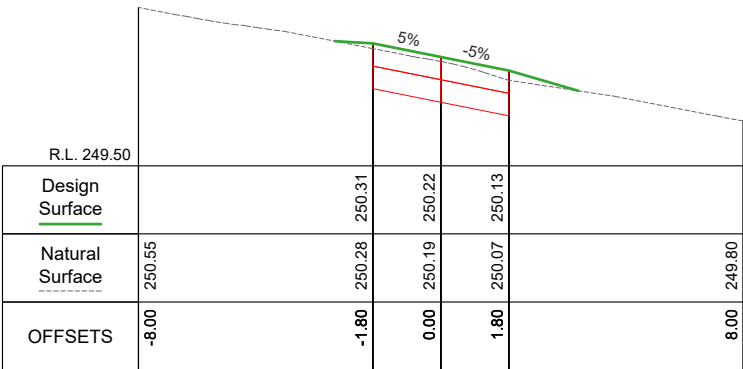
Raised Crossing CL LONGITUDINAL SECTION CH 0.000 To 19.118



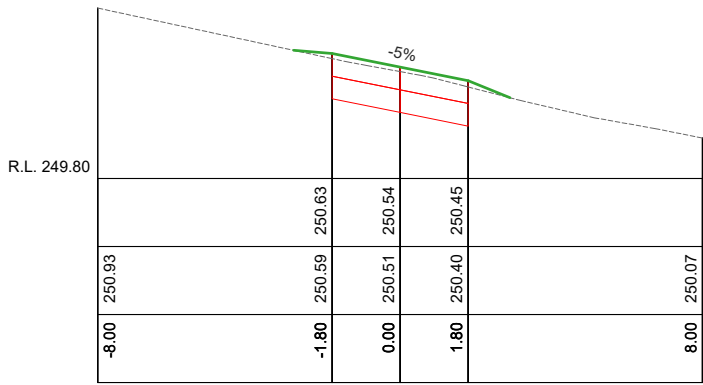
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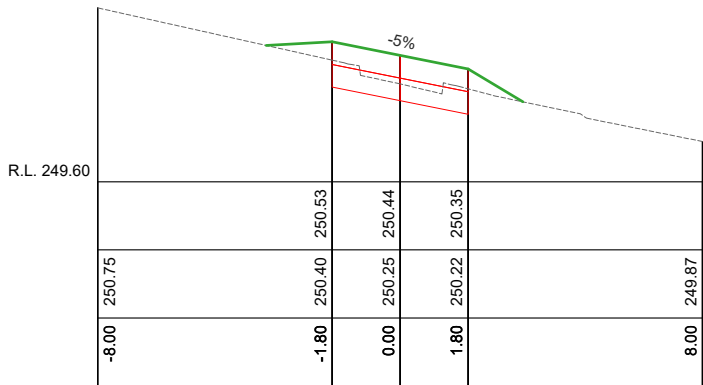
Ch 4.00



Ch 0.00



Ch 16.00



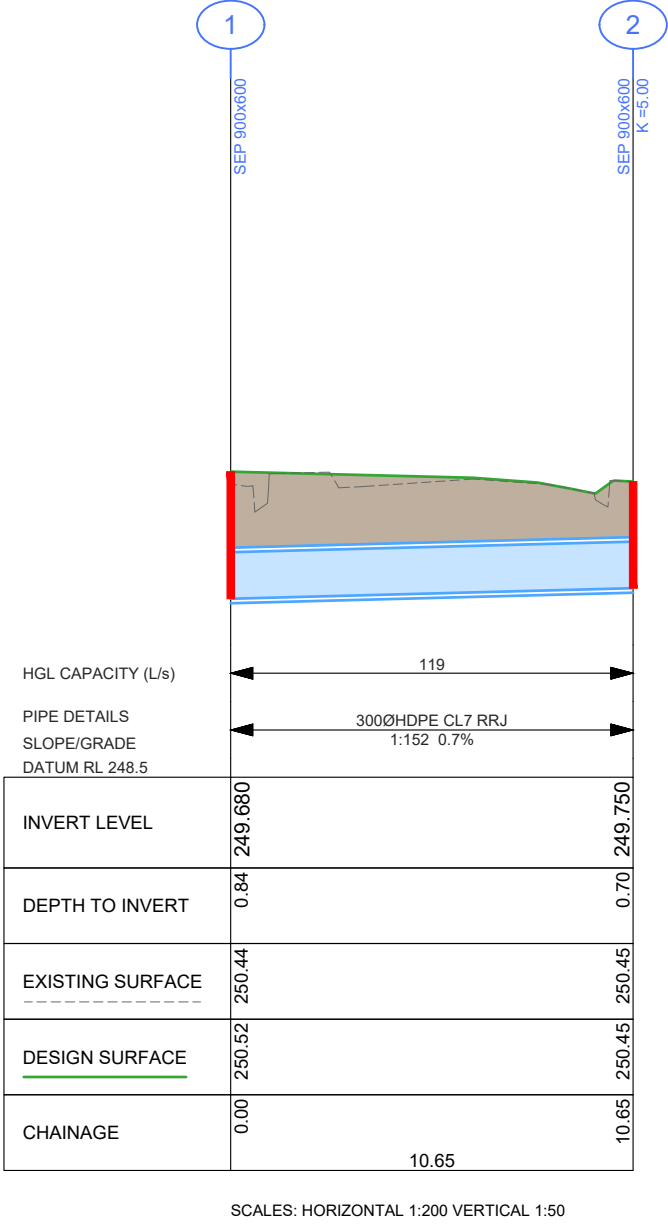
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PROJECT DESIGN STATUS		
Surveyor:	H. Whylock	28/06/23
Designer:	I. Frost	16/11/23
Draft Checked:	A. Smith	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	St Aidens Road
Suburb:	Kennington
Works:	IP43 - Raised Pedestrain Crossing
GB No:	GB5226

SHEET DETAILS	
Raised Crossing CL Long & Cross Sections	Sheet number: 7 of 10
	Plan Scale: H;1:200,V;1:50 A3
	Plotted:16/11/2023 By:Jan Frost
SHEET REVISIONS AFTER TENDER	
Revision	Description
-	-
-	-
-	-



Pit Schedule											
Pit No.	Pit Type	Standard Drawing	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	Side Entry Pit	CoGB SD500-A-D-G-T	600	900	(300)	(249.63)	300	249.680	0.840	250.520	Construct pit over existing 300 RCP
2	Side Entry Pit	CoGB SD500-A-D-G-T	600	900	300	249.750			0.704	250.454	

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. Whylock

28/06/23

Designer:

I. Frost

16/11/23

Draft Checked:

A. Smith

xx/xx/23

Tender Approved:

N. SARTORI

xx/xx/23

PRELIMINARY DESIGN
DRAFT 3

PROJECT DETAILS

Location:

St Aidens Road

Suburb:

Kennington

Works:

IP43 - Raised Pedestrain Crossing

GB No:

GB5226

SHEET DETAILS

DRAINAGE DETAILS

Sheet number:

8 of 10

Plan Scale:

1:XXX

A3

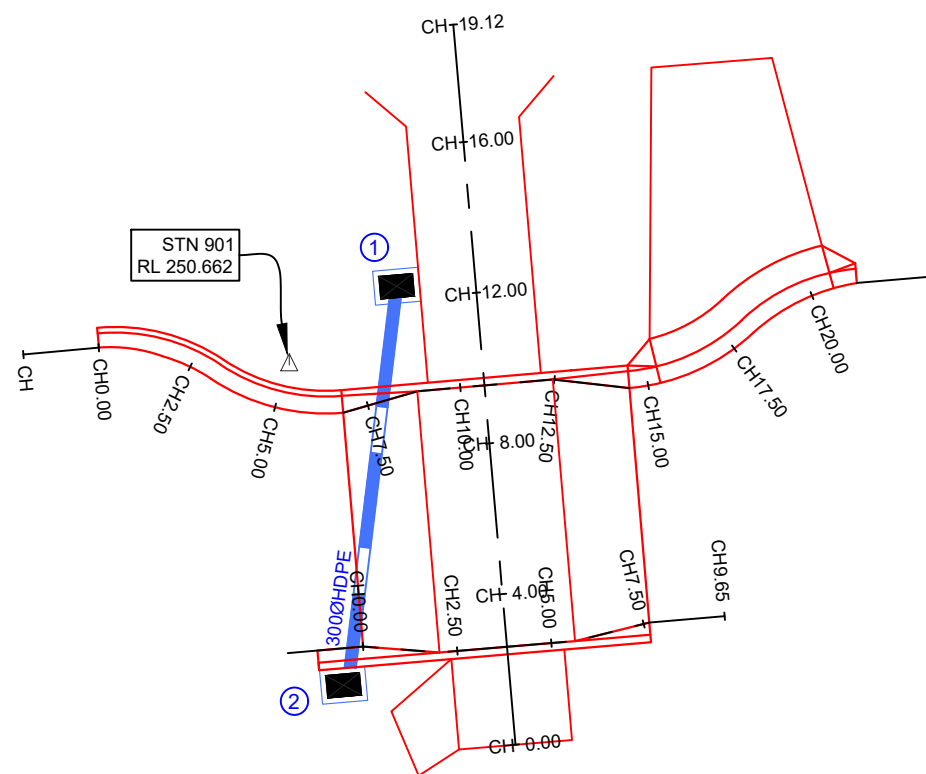
Plotted:

16/11/2023

By:Jan Frost

SHEET REVISIONS AFTER TENDER

Revision	Description	Approved by	Date
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ROAD

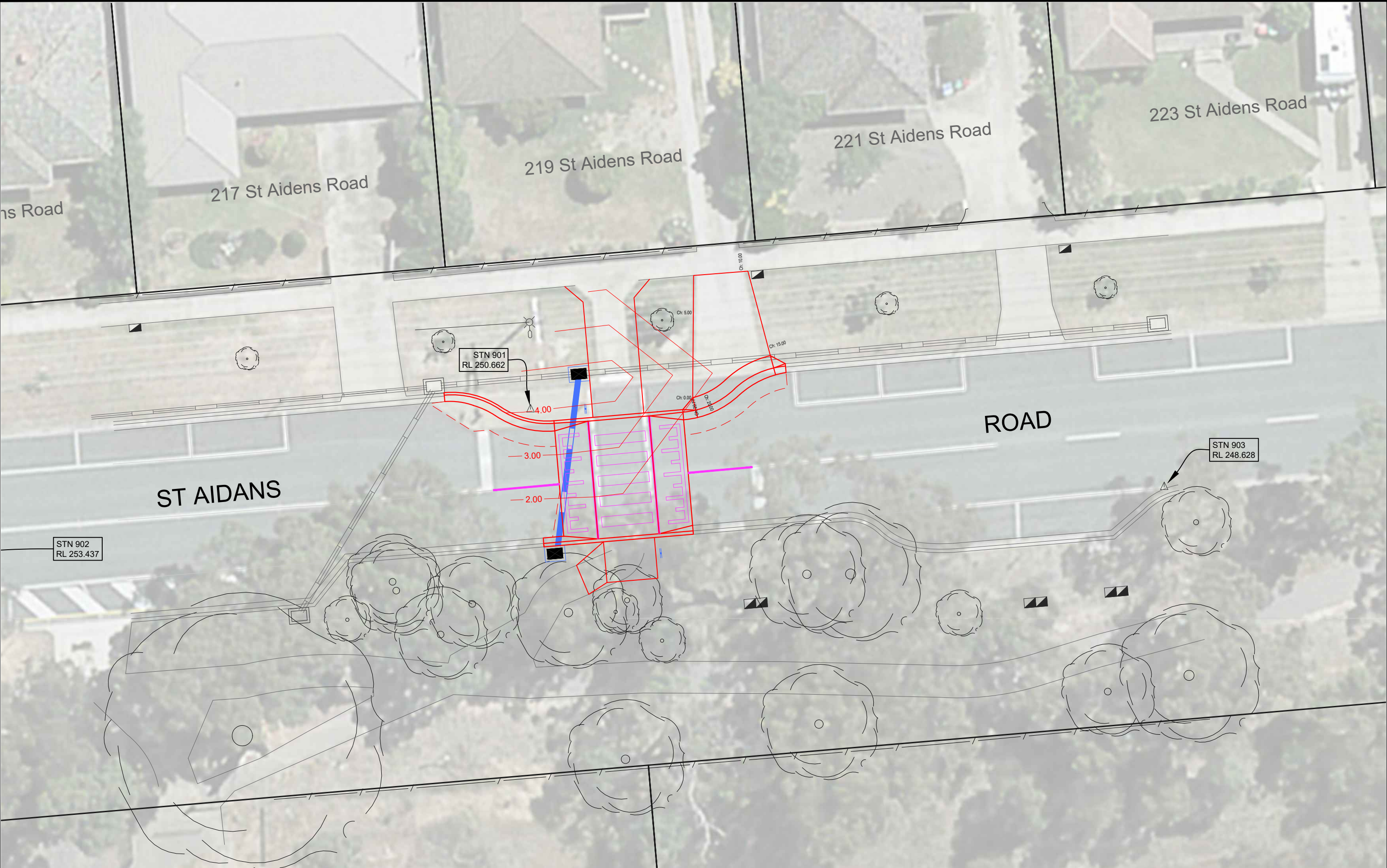
STN 903
RL 248.628




PROJECT DESIGN STATUS		
Surveyor:	H. Whylock	28/06/23
Designer:	I. Frost	16/11/23
Draft Checked:	A. Smith	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	St Aidens Road
Suburb:	Kennington
Works:	IP43 - Raised Pedestrian Crossing
GB No:	GB5226

SHEET DETAILS			
SETOUT DETAILS		Sheet number:	9 of 10
		Plan Scale:	1:200 A3
		Plotted: 16/11/2023 By: Ian Frost	
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



 CITY OF GREATER BENDIGO	PROJECT DESIGN STATUS		PROJECT DETAILS		SHEET DETAILS	
	Surveyor:	H. Whylock	28/06/23	Location:	St Aidens Road	Sheet number: 10 of 10
	Designer:	I. Frost	16/11/23	Suburb:	Kennington	Plan Scale: 1:200 A3
	Draft Checked:	A. Smith	xx/xx/23	Works:	IP43 - Raised Pedestrian Crossing	Plotted: 16/11/2023 By: Jan Frost
		Tender Approved:	N. SARTORI	xx/xx/23	SHEET REVISIONS AFTER TENDER	
		<div>PRELIMINARY DESIGN DRAFT 3</div>		GB No: GB5226		
		Revision	Description	Approved by	Date	
		-	-	-	-	
		-	-	-	-	
		-	-	-	-	