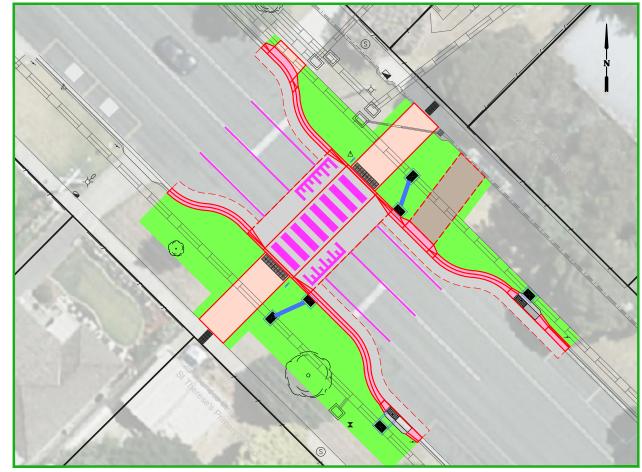
GB5225 Lowndes Street, Kennington

Raised pedestrian crossing September 2023

	DOCUMENT CONTROL										
SHEET No.	SHEETD ESC.	20-9-23	xx/xx/xx	xx/xx/xx							
		DRAFT	TENDER	CONSTRUCTION							
		REVISION	REVISION	REVISION							
1	COVER SHEET	Α									
2	GENERAL NOTES	Α									
3	DEMO PLAN	Α									
4	DESIGN DETAILS	Α									
5	LINEMARKING AND SIGNAGE	Α									
6	SECTIONS	Α									
7	DRAINAGE DETAILS	Α									
8	SETOUT	A									





PROJECT EXTENTS

APPROVAL TO CONSTRUCT STAMP	PROJECT PLANNING REQUIREMENTS				
	Item	Required	Comments	Contractor	
	Vegetation	No	-		
	DTP (Vicroads)	YES	MOA required, not yet received		
	CMA	No	-		
	Planning Permit	No	-		
	Land Acquisition	No	-		
	CHMP	No	-		
DO NOT CONSTRUCT WITHOUT STAMP	Other	YES	Lighting by others		



PRELII	MINARY DRAFT	' DESIGN ' 1
Tender Approved:	N. Sartori	Aug 2023
Draft Checked:	A. Smith	Aug 2023
Designer:	N. Sartori	Aug 2023
Surveyor:	H. Whytock	Aug 2023
PF	ROJECT DESIGN	STATUS

	PROJECT DETAILS
Location:	Lowndes Street
Suburb:	Kennington
Works:	IP43 - Raised pedestrian crossing

	COVER SHEET		Sheet number	er: 1	1 of 8			
ı			Plan Scale:	-		A3		
ı			Plotted: 20/09/2023 By:Nathan Sartori					
	SHEET REVISIONS AFTER TENDER Revision Description			Approved by	Da	ite		
ı	-	-		-	-			
ı	-	-		-	-			
	-	-		-	-			

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 Farthworks

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

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

- 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	Comments	Contractor						
Vegetation	No	-						
DTP (Vicroads)	YES	MOA required, not yet received						
CMA	No	-						
Planning Permit	No	-						
Land Acquisition	No	-						
CHMP	No	-						
Other	YES	Lighting by others						

GENERAL NOTES

STANDARD DRAWINGS

for-roadworks

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
- 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-

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

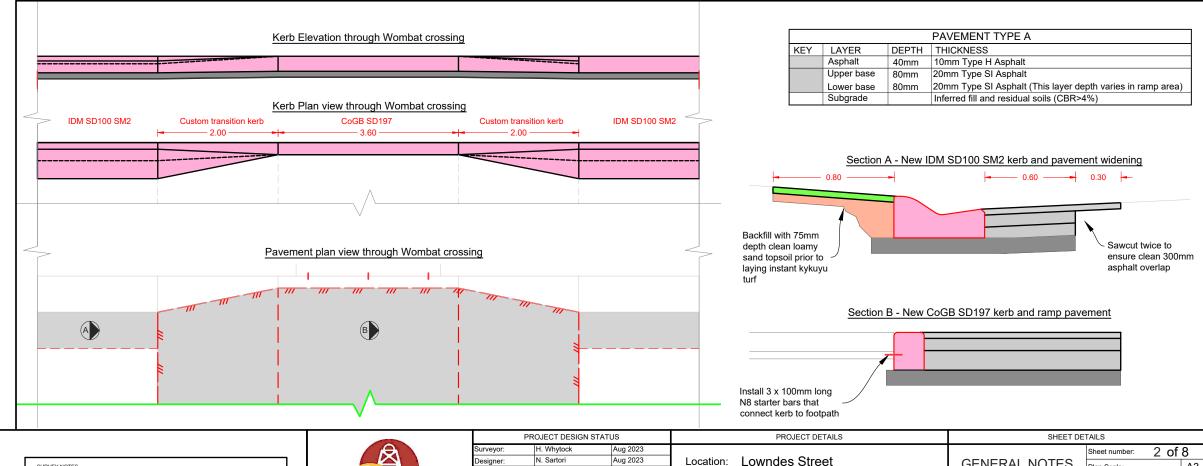
SITE ENVIRONMENTAL MANAGEMENT PLAN

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
- 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.





IMPORTANTI
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 resconsible for any damage caused to underground services.

URVEY NOTES urvey has been conducted to:

MGA 2020 and orientated via GB4495 (Coordinates centred on STN 901)
Survey level has been field to AHD via STN 901 (RL 231 329)

Survey level has been tied to AHD via STN 901 (RL:231.329)

Title information shown is imported from Land.vic.gov.au and has not been reestablished

CITY OF GREATER
BENDIGO

 esigner:
 N. Sartori
 Aug 2023

 raft Checked:
 A. Smith
 Aug 2023

 ender Approved:
 N. Sartori
 Aug 2023

 PRELIMINARY DESIGN DRAFT 1

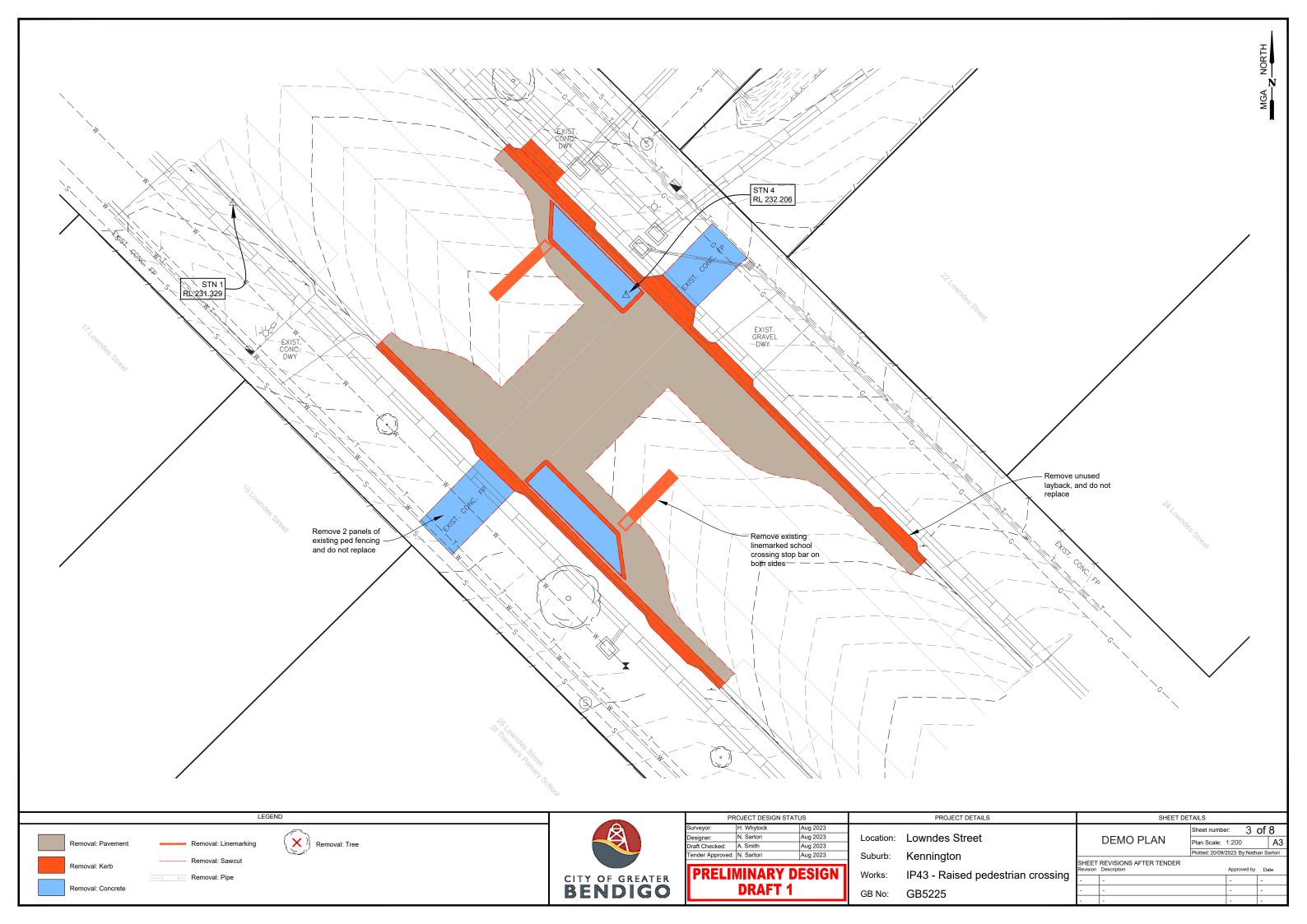
Location: Lowndes Str Suburb: Kennington Works: IP43 - Raise

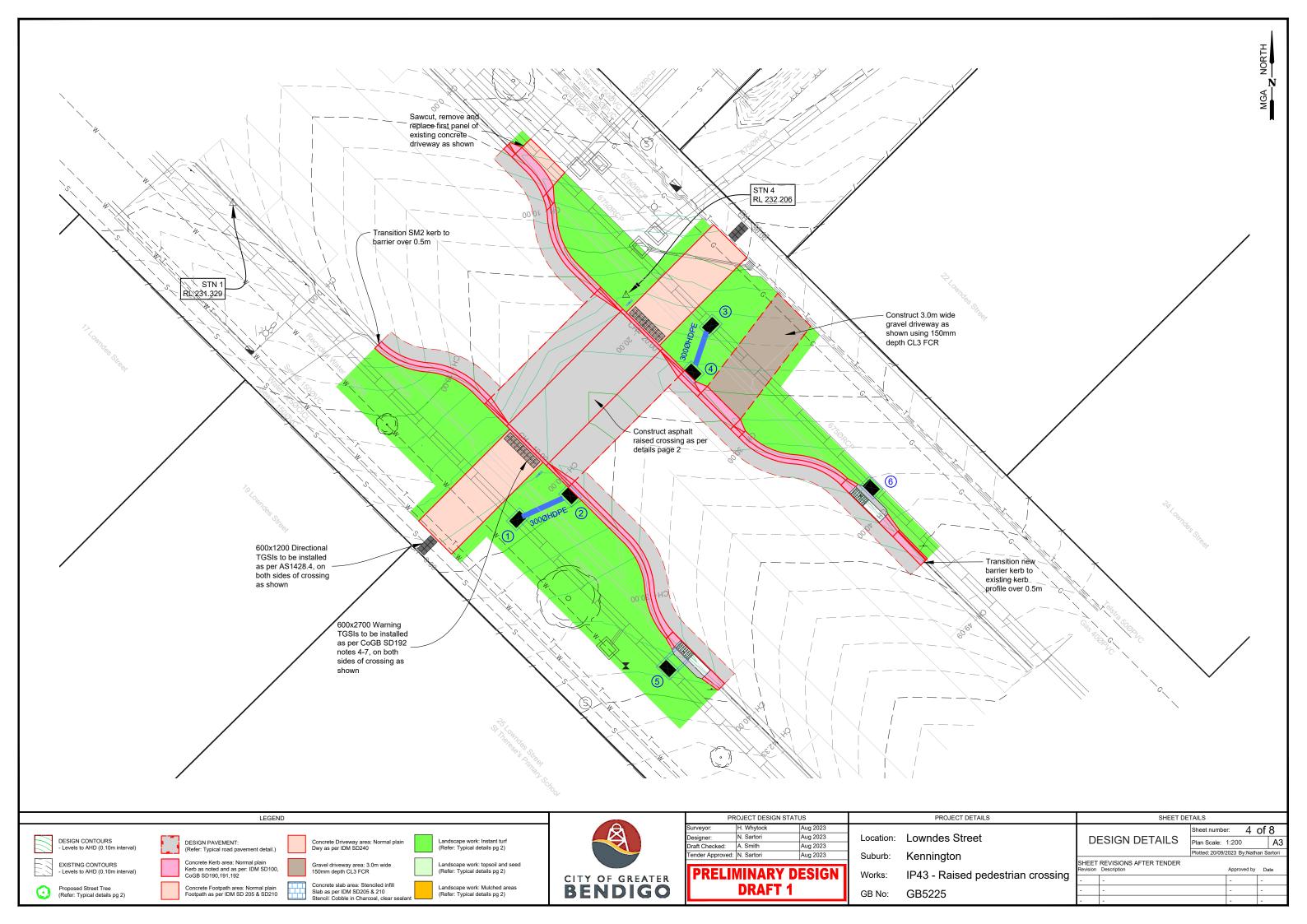
GB No:

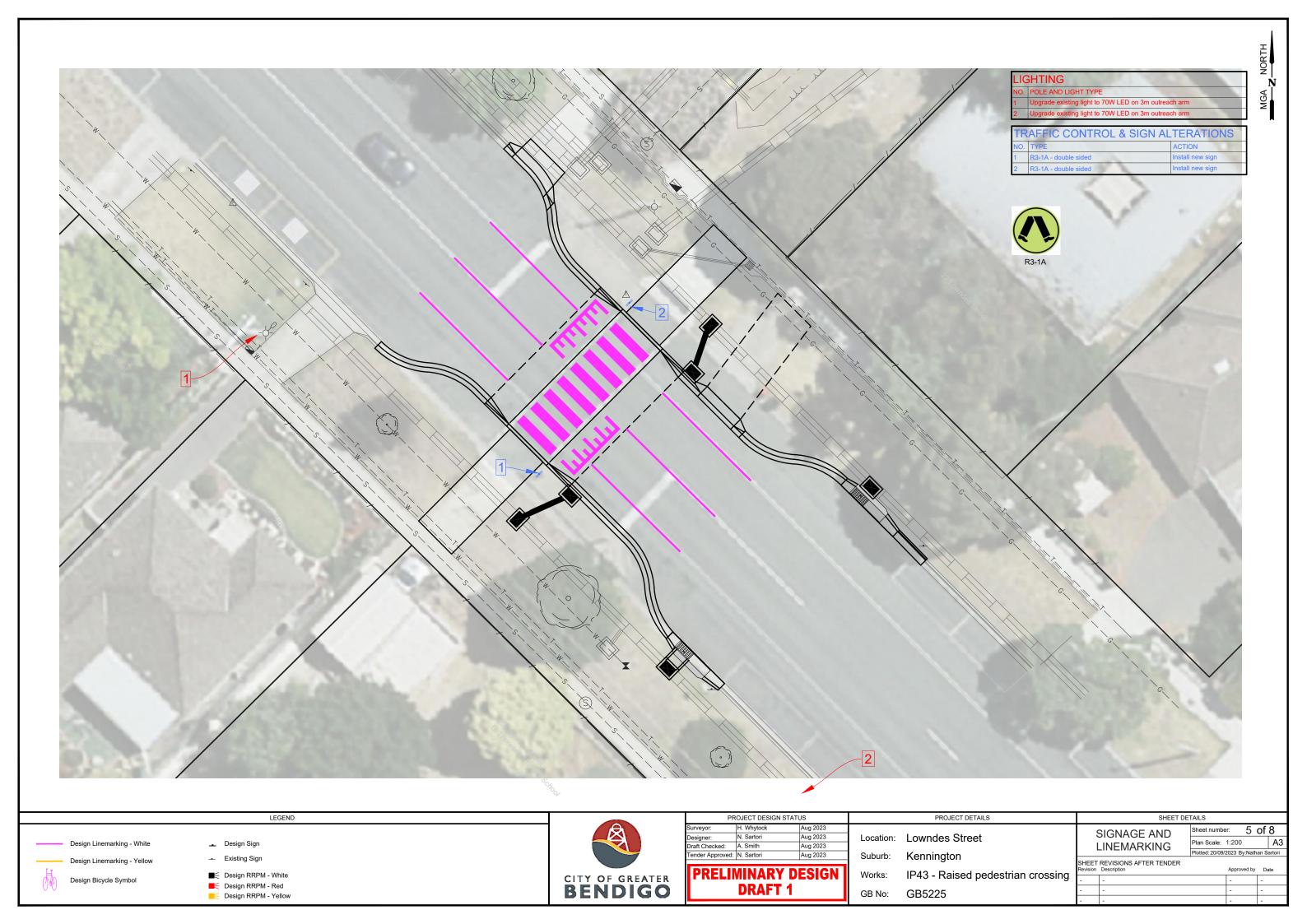
Kennington

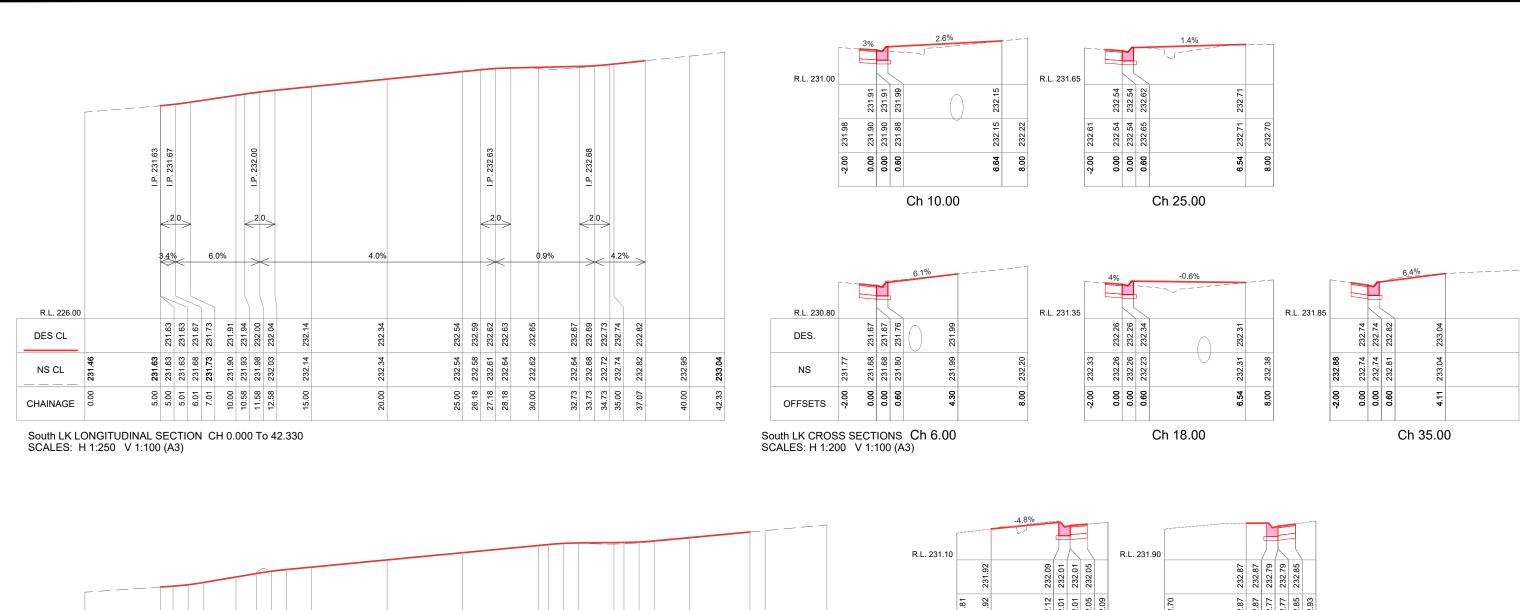
IP43 - Raised pedestrian crossing

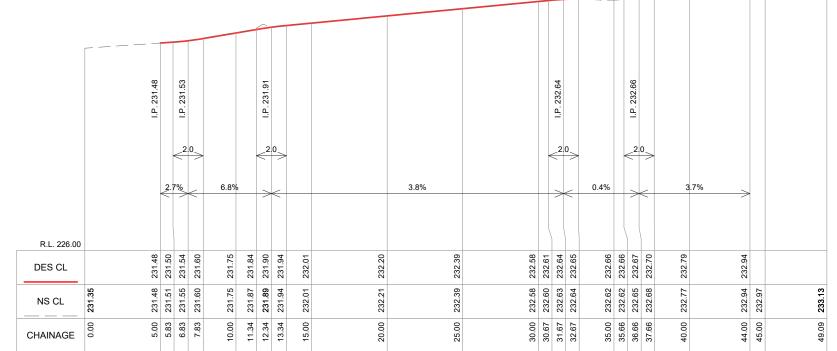
GB5225

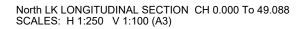


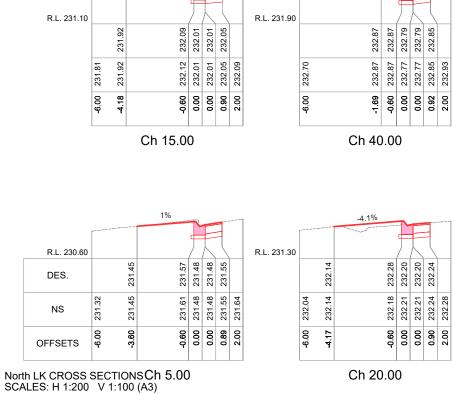












GB No:

GB5225



PR	OJECT DESIGN STATI	JS	
Surveyor:	H. Whytock	Aug 2023	
Designer:	N. Sartori	Aug 2023	L
Draft Checked:	A. Smith	Aug 2023	
Tender Approved:	N. Sartori	Aug 2023	S
PRELIM	MINARY D	ESIGN	W

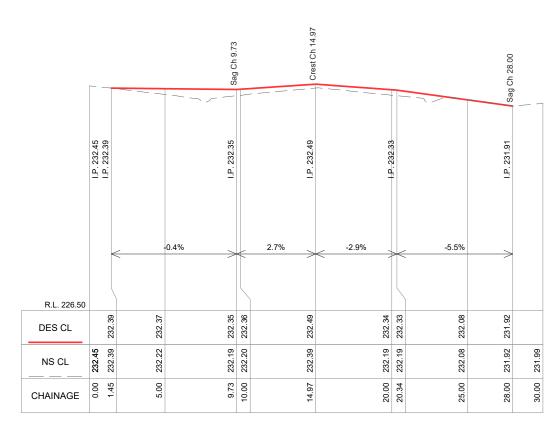
DRAFT 1

PROJECT DETAILS Lowndes Street Location: Suburb: Kennington IP43 - Raised pedestrian crossing Works:

6 of 8 SECTIONS Plan Scale: 1:XXX | A3 SHEET REVISIONS AFTER TENDER

SHEET DETAILS

Sheet number:



Footpath CL LONGITUDINAL SECTION CH 0.000 To 30.000 SCALES: H 1:250 $\,$ V 1:100 (A3)

	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	CoGB SD590 - A - C - L - T	600	900	675	230.230	300	231.599	2.226	232.456	Break into existing pipe and construct pit	
2	CoGB SD590 - A - C - G - T	600	900	300	231.636			0.838	232.474	Position in low point of kerb	
3	CoGB SD590 - A - C - L - T	600	900	675	230.838	300	231.565	1.416	232.254	Break into existing pipe and construct pit	
4	CoGB SD590 - A - C - G - T	600	900	300	231.597			0.839	232.436	Position in low point of kerb	
5	CoGB SD590 - B - C - J - T	900	2400	675	230.838			2.062	232.900	EKI - R	
6	CoGB SD590 - B - C - J - T	900	1800	675	231.205			1.615	232.820	EKI - L	

				-2.5% — — —	2.5%	-4.4% 		
R.L. 231.55								R.L.
DES.		232.14	232.33	232.37	232.41	232.36		
NS	232.07	232.14	232.18	232.22	232.26	232.36	232.54	
OFFSETS	-5.00	-2.70	-1.50	0.00	1.50	2.70	5.00	

FP CROSS SECTIONS Ch 5.00 SCALES: H 1:200 V 1:100 (A3)

			-9.9%	-2.5%	2.5%	0%	
004.70	Γ-	T	-9.5				
231.70	_	5	2	6	4	4	
		232.25	232.45	232.49	232.54	232.54	
	232.20	232.25	232.32	232.39	232.46	232.54	232.58
	-5.00	-3.80	-1.80	0.00	1.80	3.80	5.00

Ch 15.00

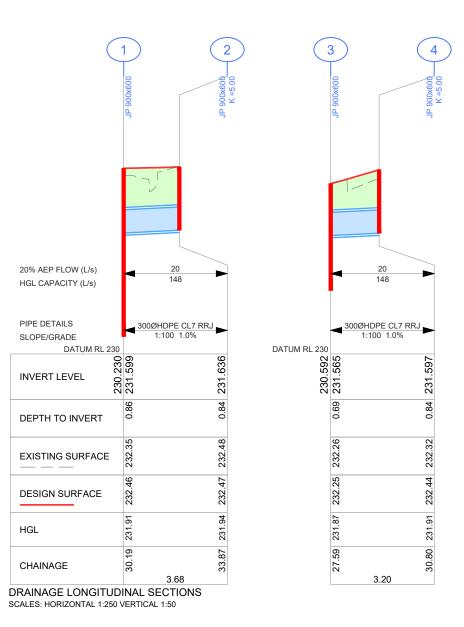
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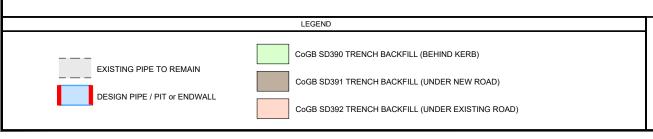
-4.7% -2.5% 2.5% 5.6%

-7.00 231.35

-7.000 231.88

-7.000 232.08 232.







	DRAFT 1		GB
PRELI	MINARY D	ESIGN	Wo
Tender Approved:	N. Sartori	Aug 2023	Sub
Oraft Checked:	A. Smith	Aug 2023	1
Designer:	N. Sartori	Aug 2023	Loc
Surveyor:	H. Whytock	Aug 2023	
PR	OJECT DESIGN STAT	US	

	PROJECT DETAILS	SHEET DETAILS					
1 4:	ion: Lowndes Street			Sheet number		of 8	
Location:			AINAGE DETAILS	Plan Scale:	1:XXX	A3	
Suburb:	Kennington	Plotted: 20/09/2023 By:Nathan Sartor					
			REVISIONS AFTER TENDER Description		Approved by	Date	
Works:	IP43 - Raised pedestrian crossing	-	-		-	-	
GB No:	GB5225	-	-		-	-	
OD NO.	GB3223		-		-	-	

