

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
- 306 Cementitious Treated Pavement Subbase
- 307 In Situ Stabilisation of Pavements with Cementitious Binders
- 310 Preparation of Granular Pavements for Bituminous Surfacing

ASPHALT AND SURFACE TREATMENTS

- 402 Removal of Pavement by Cold Planing (profiling)
- 407 Dense Graded Asphalt
- 408 Sprayed Bituminous Surfacings

INCIDENTAL CONSTRUCTION

- 701 Underground Stormwater Drains
- 702 Subsurface Drainage
- 703 General Concrete Paving
- 704 Precast Concrete Kerb
- 705 Drainage Pits and Covers
- 707 Fencing
- 709 Guide Posts
- 710 Fixing Raised Pavement Markers
- 713 Beaching
- 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	Required	Comments	Contractor
Vegetation	No	-	
RRV	No	-	
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

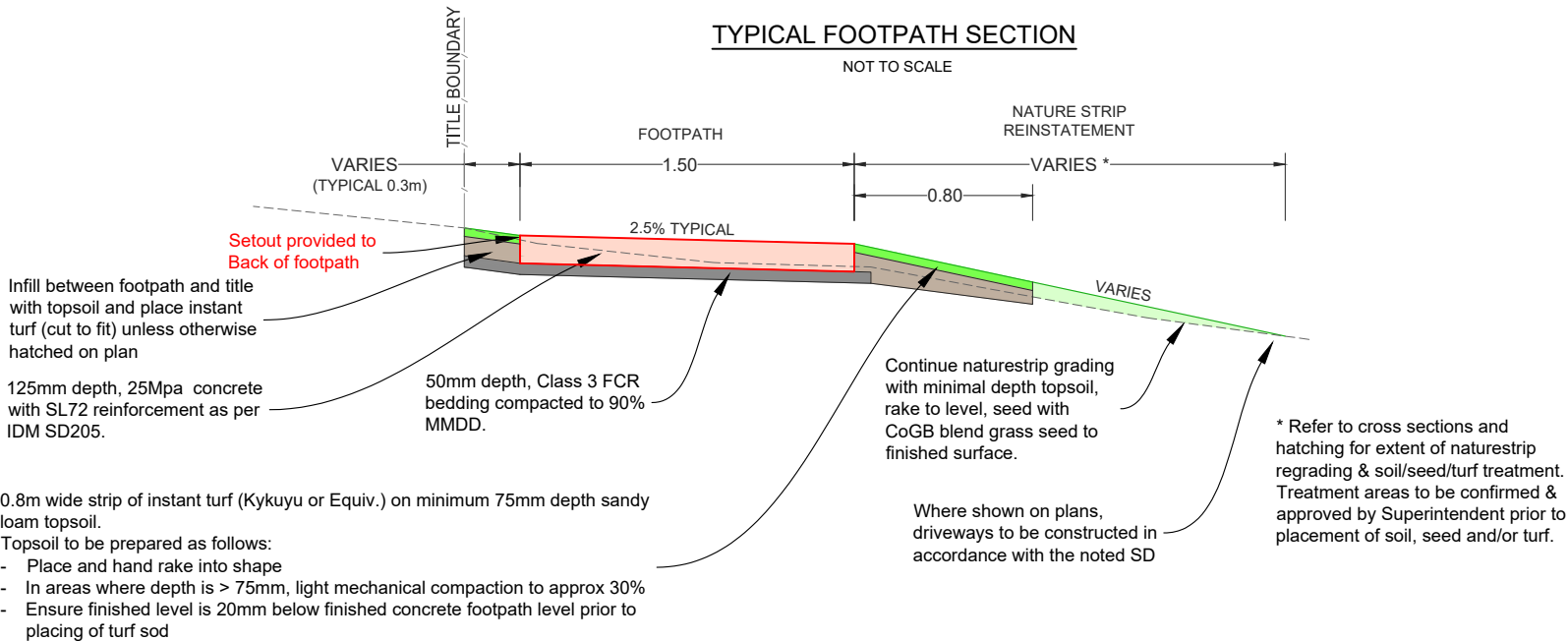
SITE ENVIRONMENTAL MANAGEMENT PLAN


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 GPS)
- Survey level has been tied to AHD via PM 1773



PROJECT DESIGN STATUS

Surveyor:	D.Meades	08/01/24
Designer:	D.Meades	20/05/24
Draft Checked:	x.xxx	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 1**

PROJECT DETAILS

Location: **Havelock Street**

Suburb: **Bendigo**

Works: **Footpath**

GB No: **GB5296**

SHEET DETAILS

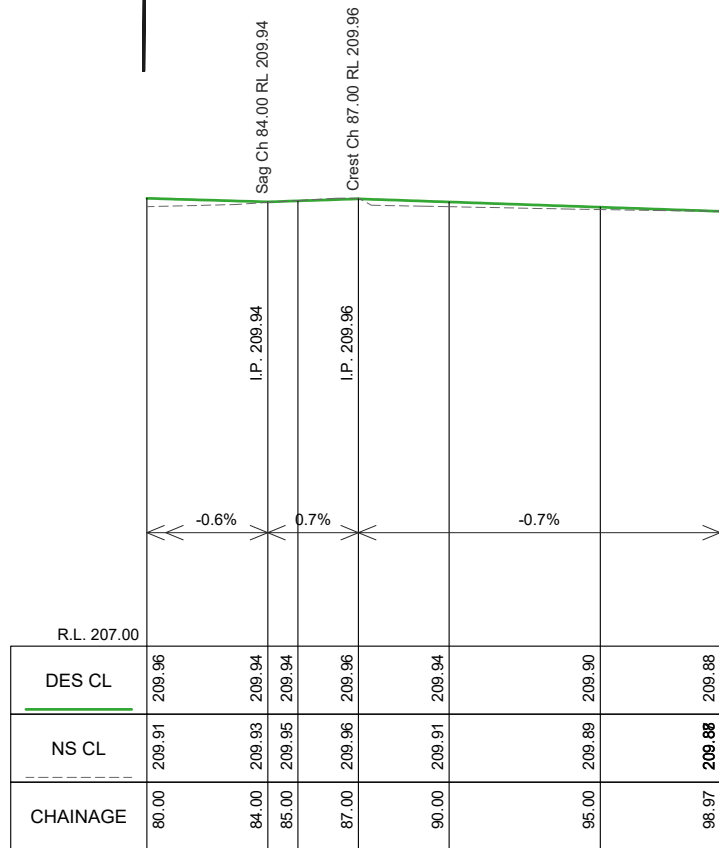
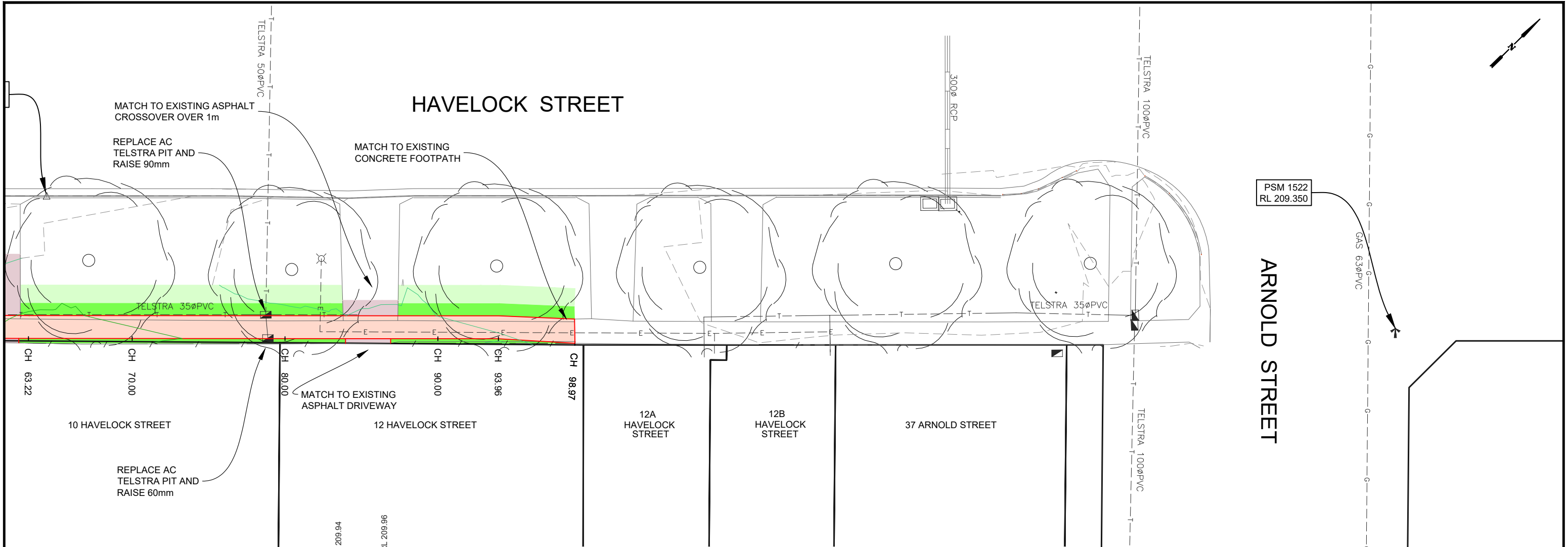
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Plan Scale: **1:XXX**

Plotted: 29/05/2024 By: Darcy Meades

GENERAL NOTES

Revision	Description	Approved by	Date
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-	-	-	-
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HAVELOCK FOOTPATH LONGITUDINAL SECTION CH 80.000 To 98.969
SCALES: H 1:250 V 1:50 (A3)

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 SD190,191,192

Concrete Footpath area: Normal plain
Footpath as per IDM SD 205 & SD210

Concrete Footpath area: Normal Black
Footpath as per IDM SD 205 & SD210

Concrete Driveway area: Normal plain
Dwy as per IDM SD240

Concrete Driveway area: Industrial plain
Dwy as per IDM SD250

Existing tree to be removed

Landscape work: Proposed Tree
Plant as directed by CoGB Parks

Landscape work: Instant turf
(Refer: Typical details pg 2)

Landscape work: topsoil and seed
(Refer: Typical details pg 2)

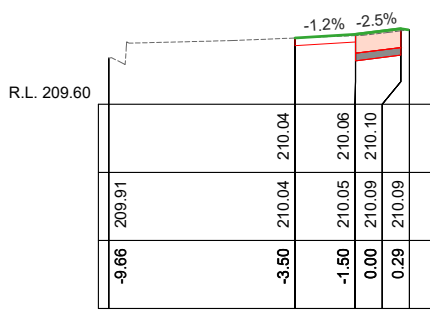
Landscape work: Mulched areas
(Refer: Typical details pg 2)

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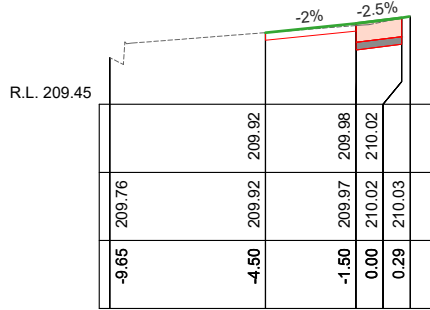
PRELIMINARY DESIGN
DRAFT 1

PROJECT DETAILS	
Location:	Havelock Street
Suburb:	Bendigo
Works:	Footpath
GB No:	GB5296

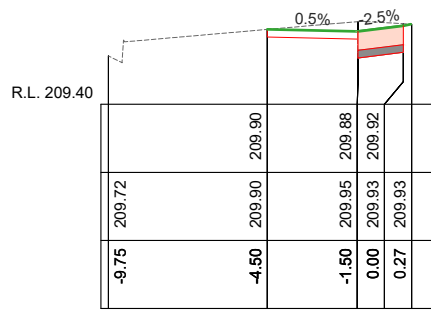
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DETAIL LAYOUT & LONG SECTION		Sheet number: 4 of 6	
		Plan Scale: AS SHOWN	A3
Plotted: 29/05/2024 By: Darcy Meades			
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
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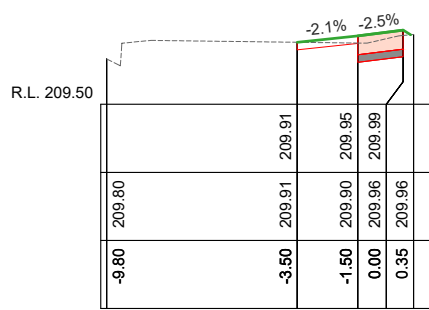
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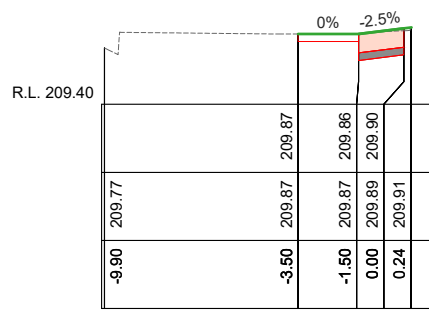
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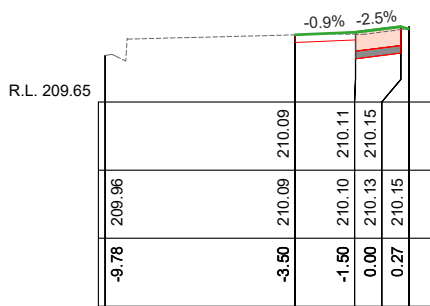
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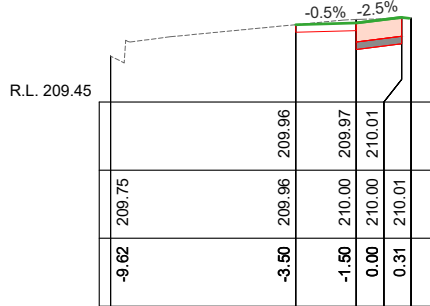
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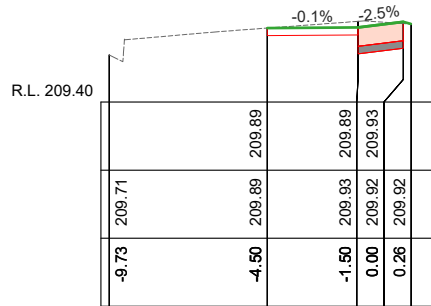
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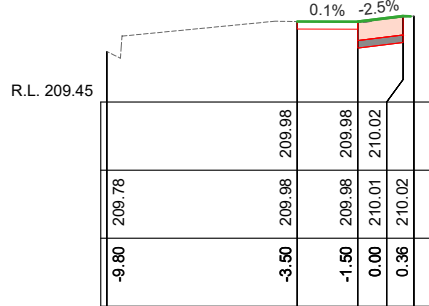
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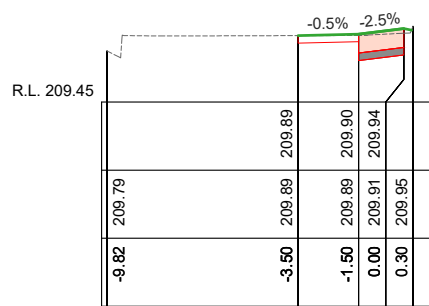
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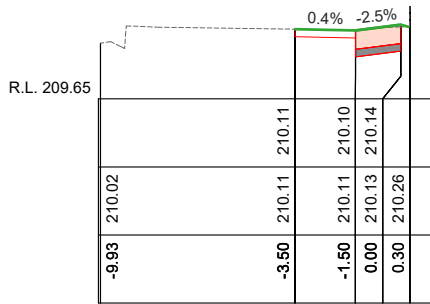
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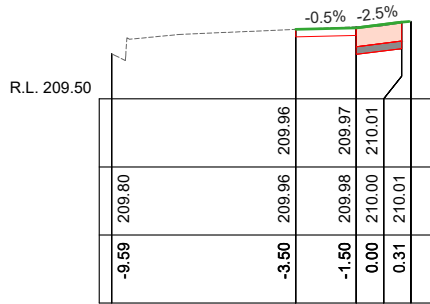
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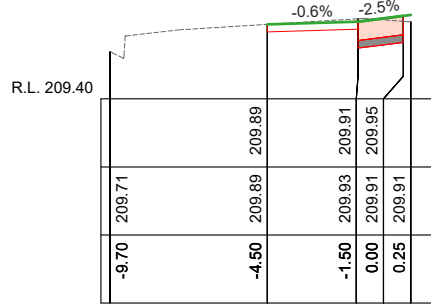
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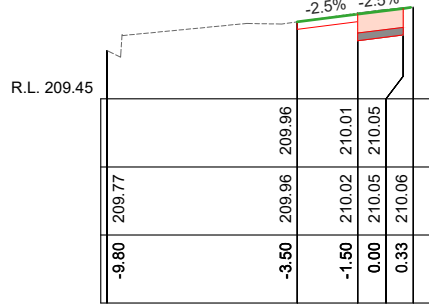
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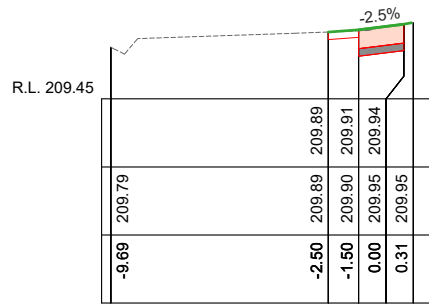
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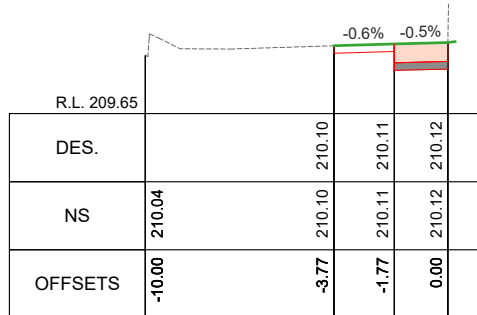
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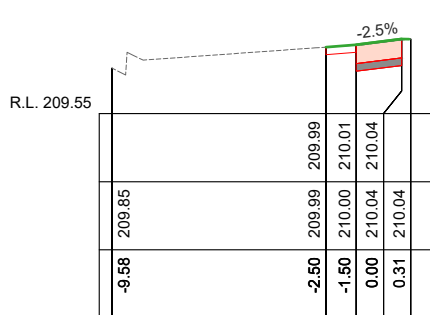
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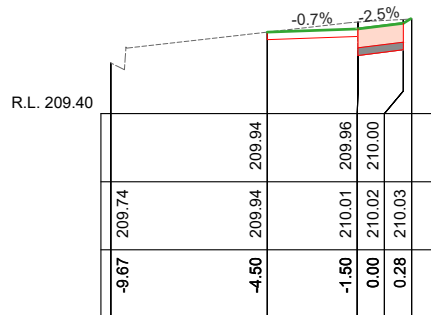
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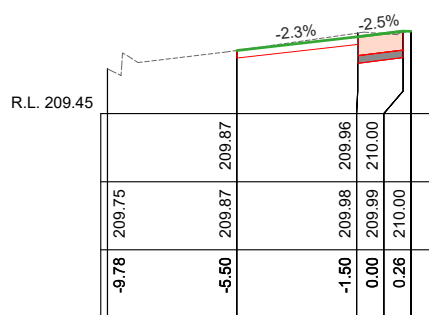
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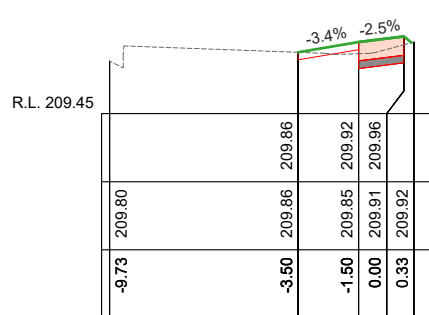
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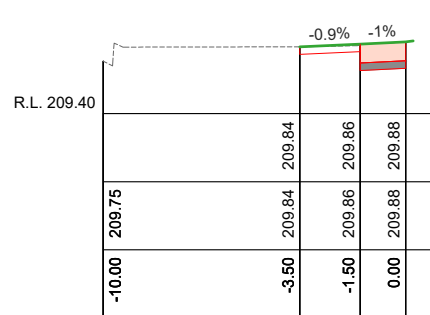
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Ch 60.00



Ch 80.00



Ch 98.97

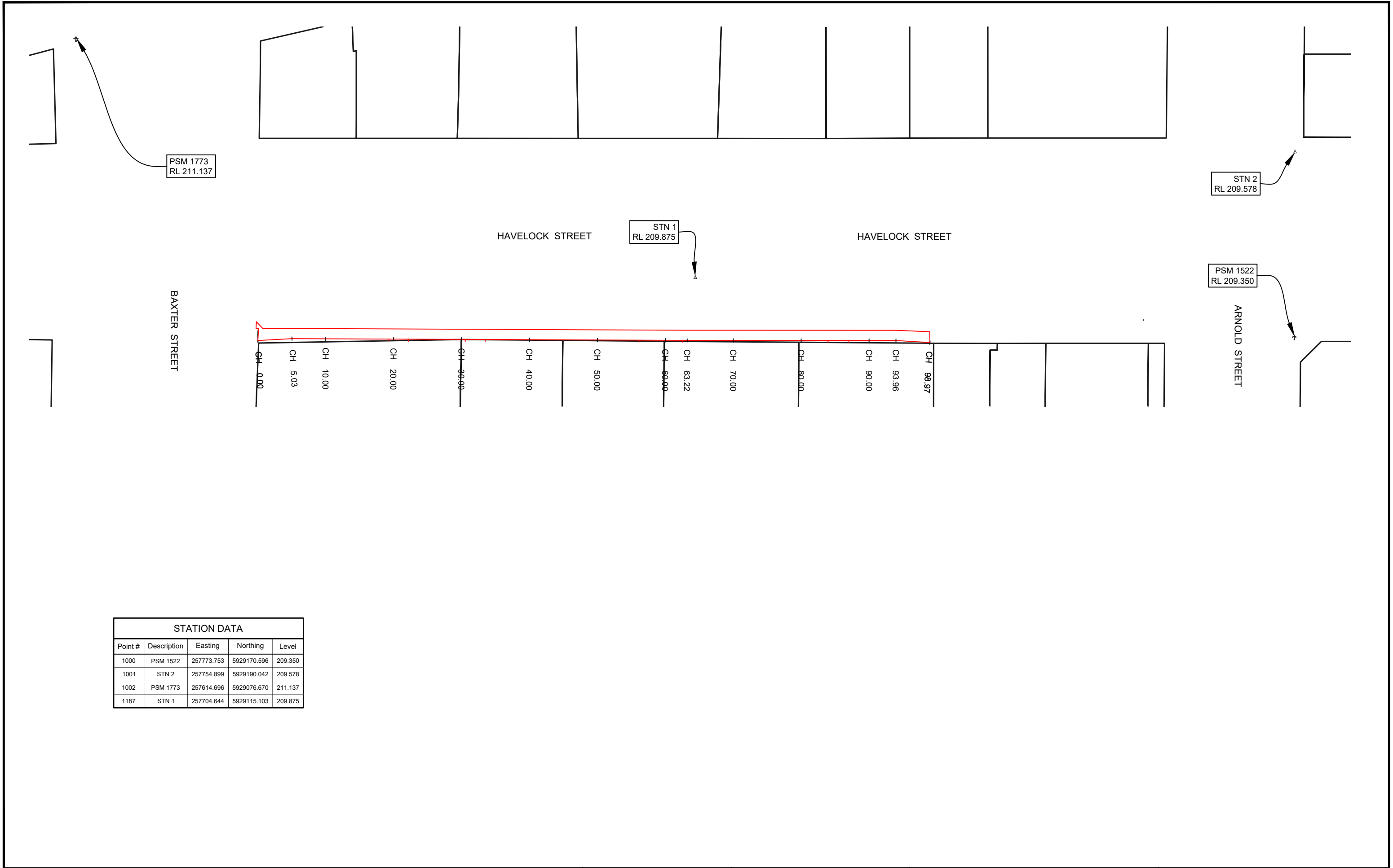
HAVELOCK FOOTPATH ????? CROSS SECTIONS
SCALES: H 1:250 V 1:50 (A3)




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PRELIMINARY DESIGN DRAFT 1		

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Location:	Havelock Street
Suburb:	Bendigo
Works:	Footpath
GB No:	GB5296

SHEET DETAILS		
CROSS SECTIONS		Sheet number: 5 of 6
		Plan Scale: AS SHOWN A3
		Plotted: 29/05/2024 By:Darcy Meades
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
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STATION DATA				
Point #	Description	Easting	Northing	Level
1000	PSM 1522	257773.753	5929170.596	209.350
1001	STN 2	257754.899	5929190.042	209.578
1002	PSM 1773	257614.696	5929076.670	211.137
1187	STN 1	257704.644	5929115.103	209.875

	PROJECT DESIGN STATUS	PROJECT DETAILS	SHEET DETAILS	
	Surveyor: D.Meades 08/01/24	Location: Havelock Street Suburb: Bendigo Works: Footpath GB No: GB5296	SETOUT	Sheet number: 6 of 6
	Designer: D.Meades 20/05/24			Plan Scale: 1:500 A3
	Draft Checked: x.xxx xx/xx/23		Plotted: 29/05/2024 By: Darcy Meades	
	Tender Approved: N. SARTORI xx/xx/23		SHEET REVISIONS AFTER TENDER	
<div>PRELIMINARY DESIGN DRAFT 1</div>	Revision	Description	Approved by	Date
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