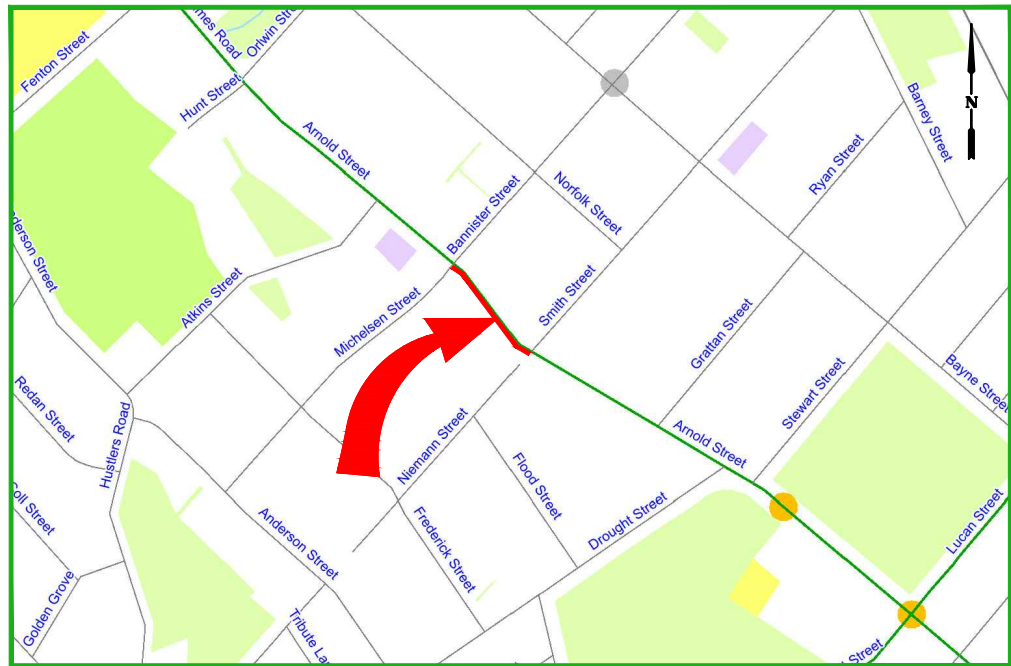


# ARNOLD STREET, NORTH BENDIGO

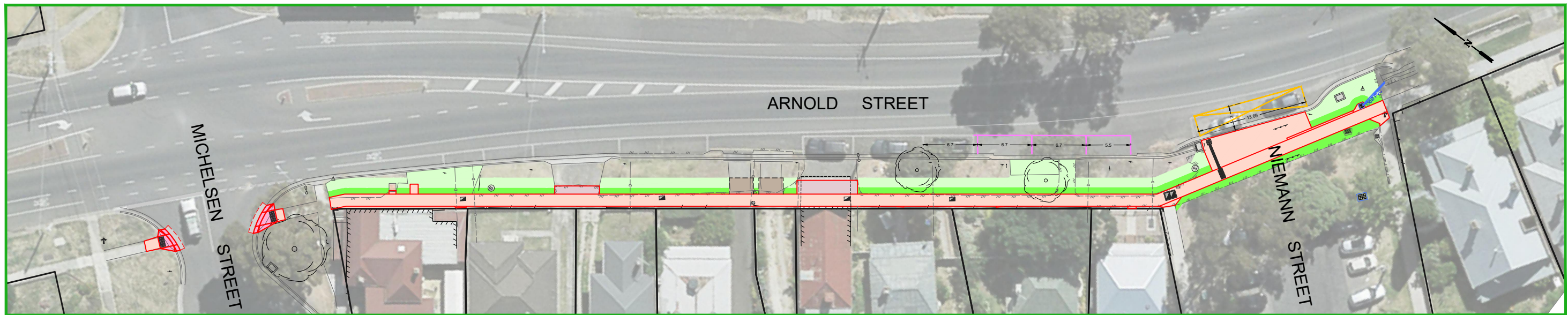
GB5081

## FOOTPATH JUNE 2023




LOCALITY MAP

DOCUMENT CONTROL				
SHEET No.	SHEETD ESC.	20/06/2023	xx/xx/xx	xx/xx/xx
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	DETAIL LAYOUT & LONG SECTION	A		
4	DETAIL LAYOUT & LONG SECTION	A		
5	ROAD CROSS SECTIONS	A		
6	SETOUT	A		



PROJECT EXTENTS

APPROVAL TO CONSTRUCT STAMP		PROJECT PLANNING REQUIREMENTS				 <b>CITY OF GREATER BENDIGO</b>	PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS				
	Item	Required	Comments	Contractor	Surveyor:		H. WHYTOCK	21/03/2023	Location: Arnold Street	Suburb: North Bendigo	Works: Footpath	GB No: GB5081	COVER SHEET	Sheet number: 1 of 6		
	Vegetation	Yes	Arborist to assess		Designer:		A. SMITH	02/06/2023						Plan Scale: - A3		
	RRV	Yes	Comment only		Draft Checked:		L. OLIVER	xx/xx/2023						Plotted: 20/06/2023 By: Andrew Smith		
	CMA	No	-		Tender Approved:		N. SARTORI	xx/xx/2023								
	Planning Permit	No	-		<div>PRELIMINARY DESIGN DRAFT 2</div>									SHEET REVISIONS AFTER TENDER		
Land Acquisition	No	-		Revision						Description	Approved by	Date				
CHMP	No	-		-						-	-	-				
PTV	Yes	Approval for bus stop relocation														

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
- 310 Preparation of Granular Pavements for Bituminous Surfacing

ASPHALT AND SURFACE TREATMENTS

- 407 Dense Graded Asphalt

INCIDENTAL CONSTRUCTION

- 701 Underground Stormwater Drains
- 703 General Concrete Paving
- 705 Drainage Pits and Covers
- 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	Yes	Arborist to assess	
RRV	Yes	Comment only	
CMA	No	-	
Planning Permit	No	-	
Land Acquisition	No	-	
CHMP	No	-	
PTV	Yes	Approval for bus stop relocation	

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

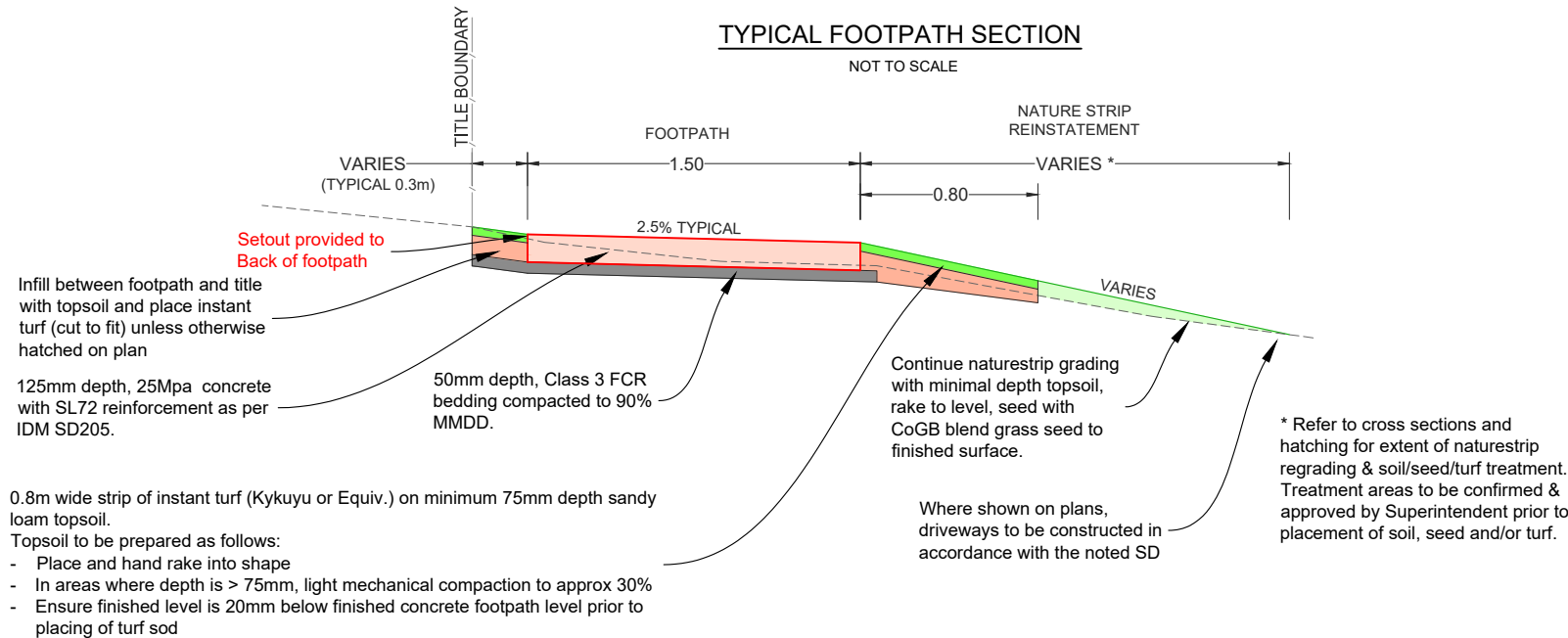
SITE ENVIRONMENTAL MANAGEMENT PLAN

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.



CITY OF GREATER  
BENDIGO

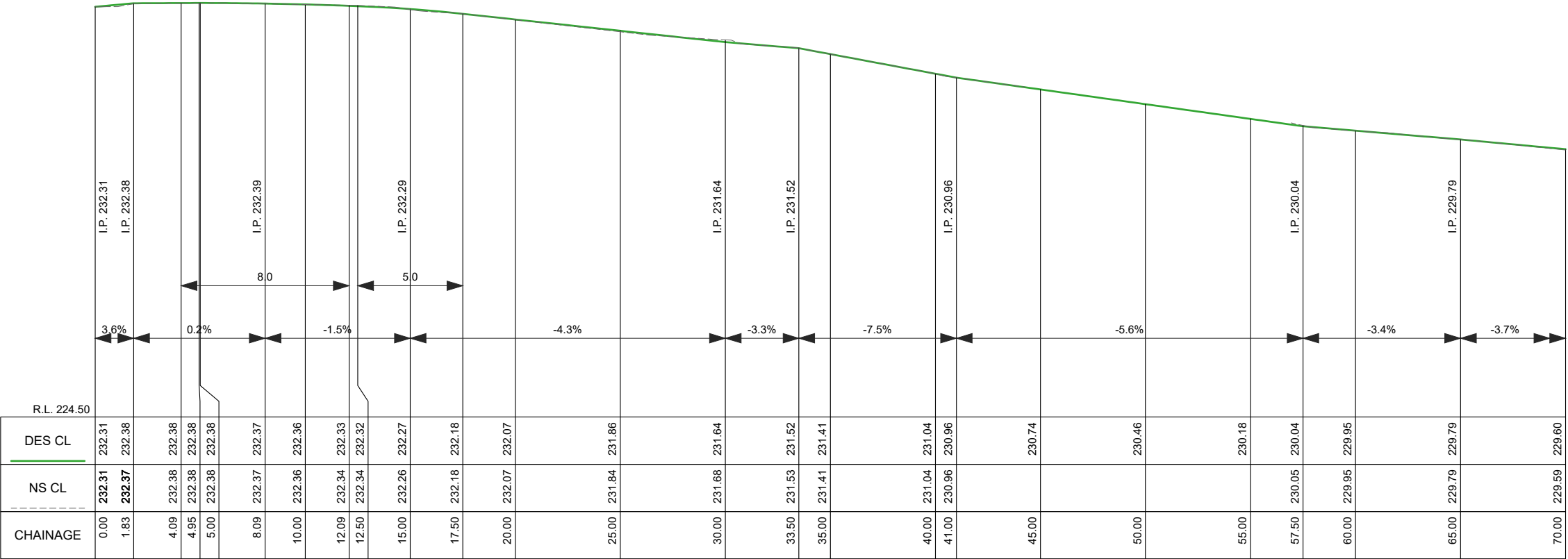
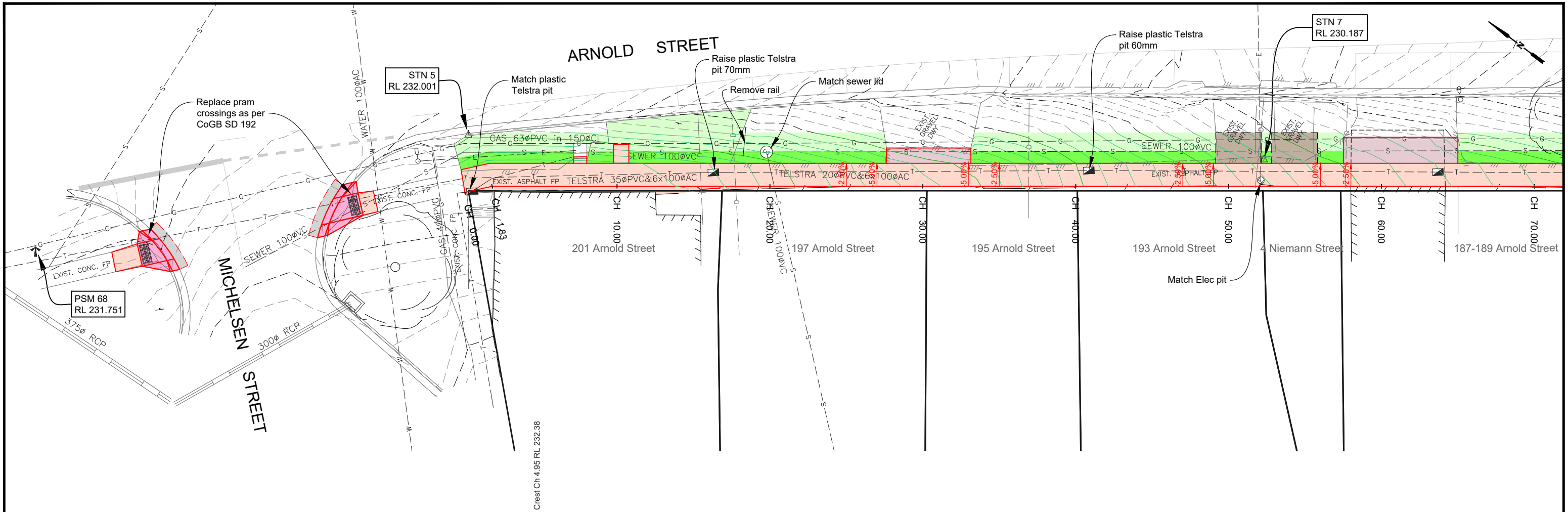
PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	21/03/2023
Designer:	A. SMITH	02/06/2023
Draft Checked:	L. OLIVER	xx/xx/2023
Tender Approved:	N. SARTORI	xx/xx/2023

PRELIMINARY DESIGN  
DRAFT 2













PROJECT DETAILS	
Location:	Arnold Street
Suburb:	North Bendigo
Works:	Footpath
GB No:	GB5081

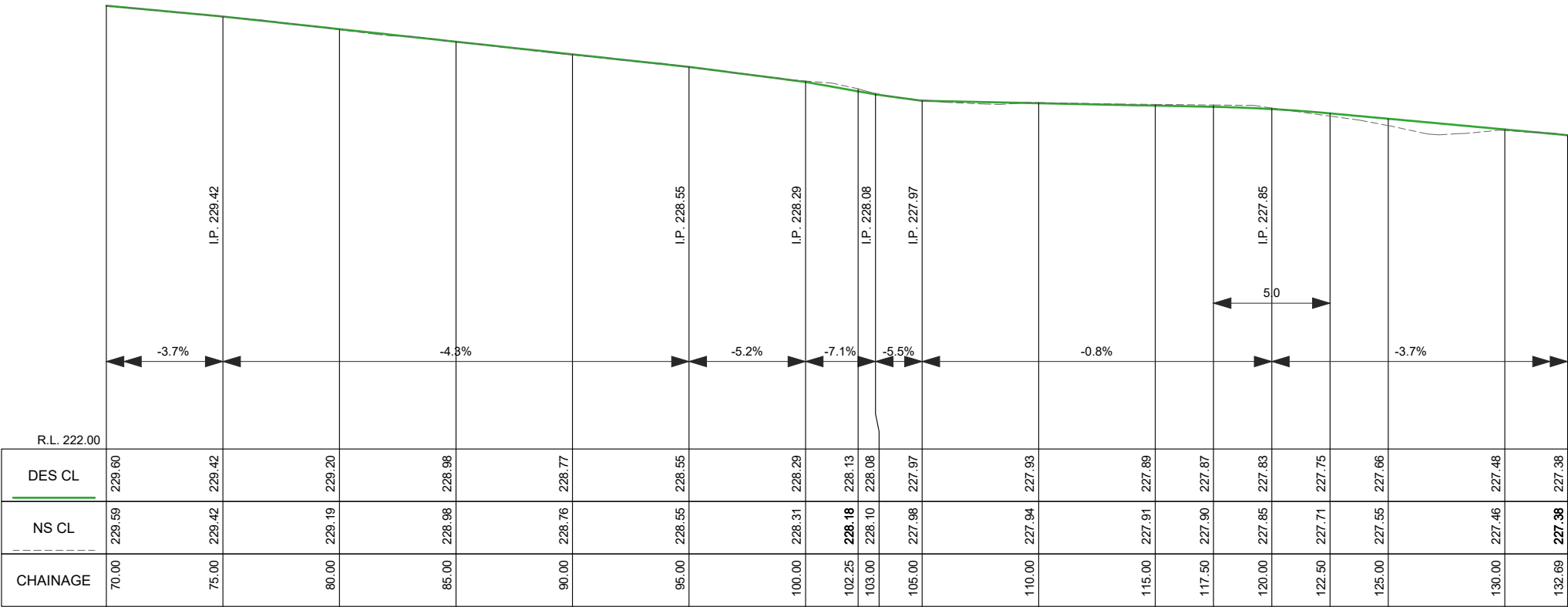
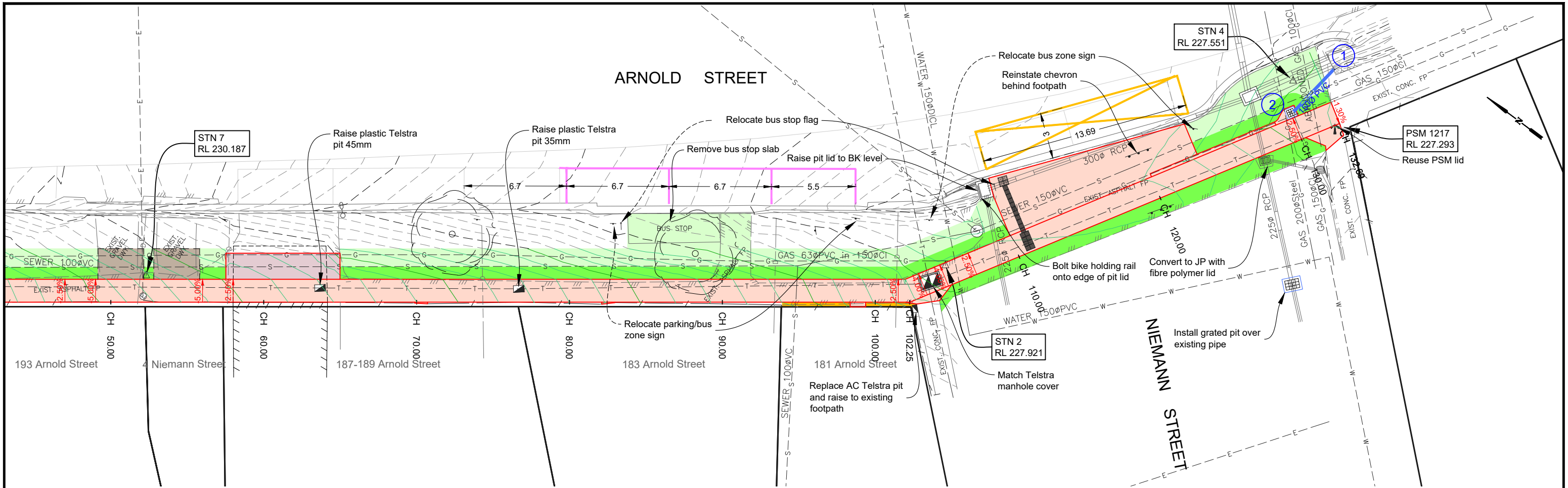
SHEET DETAILS		
GENERAL NOTES		Sheet number: 2 of 6
		Plan Scale: - A3
Plotted: 20/06/2023 By: Andrew Smith		
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
-	-	- -
-	-	- -
-	-	- -





FP LONGITUDINAL SECTION CH 0.000 To 70.000  
SCALES: H 1:250 V 1:100 (A3)

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	 Landscape work: Instant turf (Refer: Typical details pg 2)		Surveyor:	H. WHYTECK	21/03/2023	Location:	Arnold Street	DETAIL LAYOUT & LONG SECTION	Sheet number:
 EXISTING CONTOURS - Levels to AHD (0.10m interval)	 Asphalt Driveway area: as per IDM SD 290	 Landscape work: topsoil and seed (Refer: Typical details pg 2)	Designer:	A. SMITH	02/06/2023	Suburb:	North Bendigo	Plan Scale:		1:250
 Concrete Kerb area: Normal plain Kerb per IDM SD100 & CoGB SD190,191,192	 Gravel Driveway area: 50mm Class 3 FCR	 Existing tree to be removed  Landscape work: Proposed Tree Plant as directed by CoGB Parks	Draft Checked:	L. OLIVER	xx/xx/2023	Works:	Footpath	SHEET REVISIONS AFTER TENDER		
		 Landscape work: Granitic gravel mulch	Tender Approved:	N. SARTORI	xx/xx/2023	GB No:	GB5081	Plotted: 20/06/2023 By: Andrew Smith		
			<b>PRELIMINARY DESIGN DRAFT 2</b>							



FP LONGITUDINAL SECTION CH 70.000 To 132.693  
SCALES: H 1:250 V 1:100 (A3)

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 SD190,191,192

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

Asphalt Driveway area:  
as per IDM SD 290

Gravel Driveway area:  
50mm Class 3 FCR

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: Granitic gravel mulch

PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	21/03/2023
Designer:	A. SMITH	02/06/2023
Draft Checked:	L. OLIVER	xx/xx/2023
Tender Approved:	N. SARTORI	xx/xx/2023

**PRELIMINARY DESIGN DRAFT 2**

PROJECT DETAILS

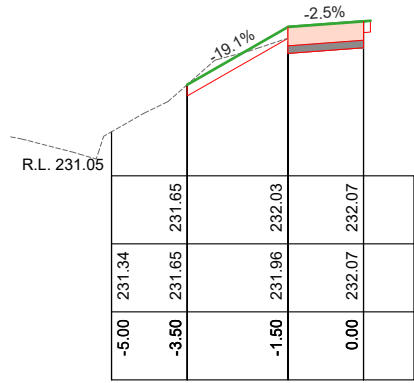
Location: Arnold Street  
Suburb: North Bendigo  
Works: Footpath  
GB No: GB5081

SHEET DETAILS

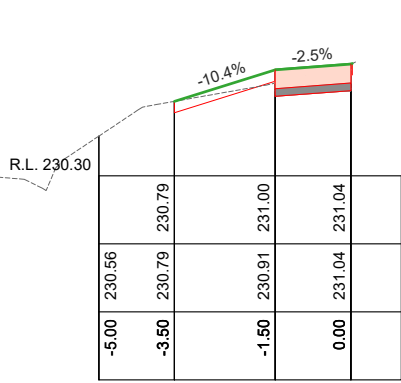
DETAIL LAYOUT & LONG SECTION

Sheet number: 4 of 6  
Plan Scale: 1:250  
Plotted: 20/06/2023 By: Andrew Smith

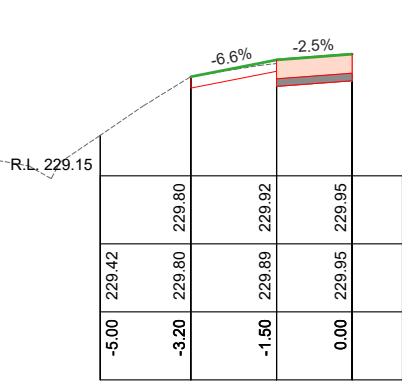
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



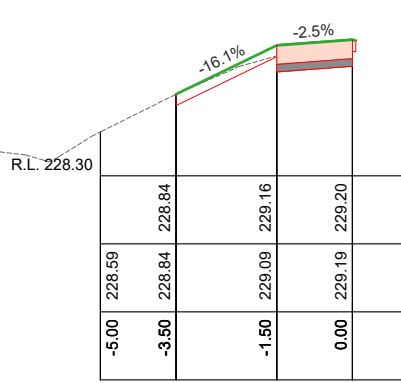
Ch 20.00



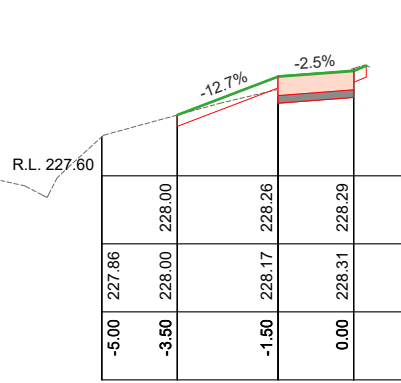
Ch 40.00



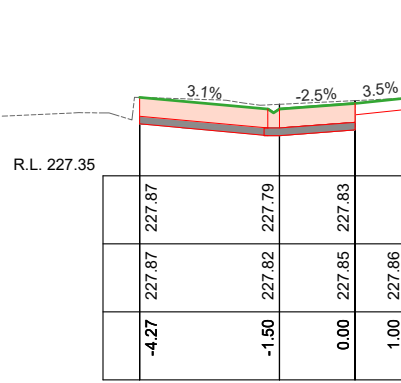
Ch 60.00



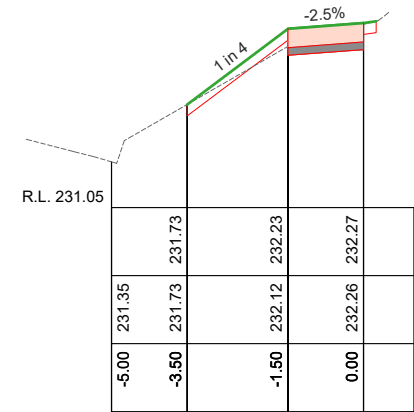
Ch 80.00



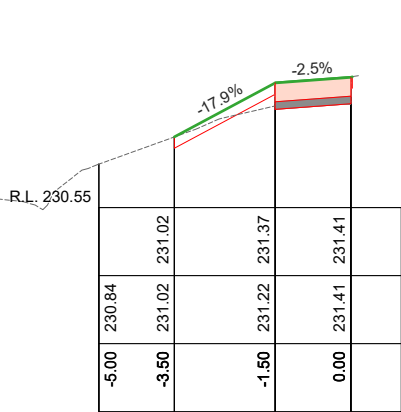
Ch 100.00



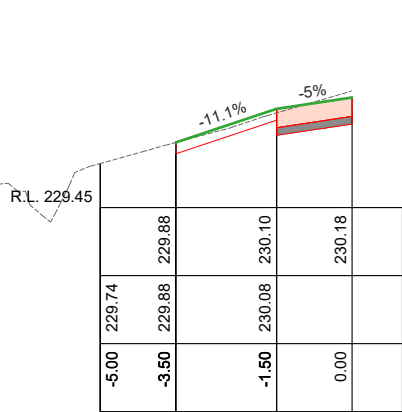
Ch 120.00



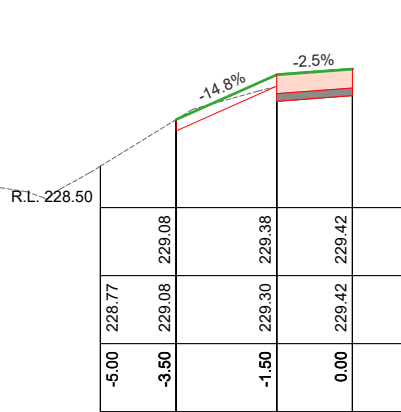
Ch 15.00



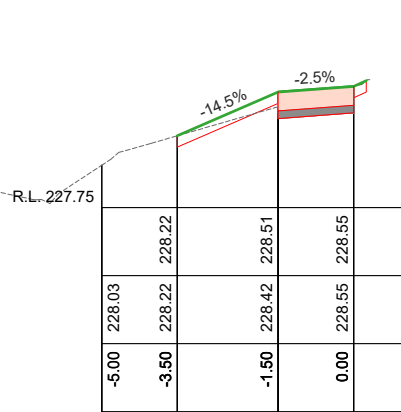
Ch 35.00



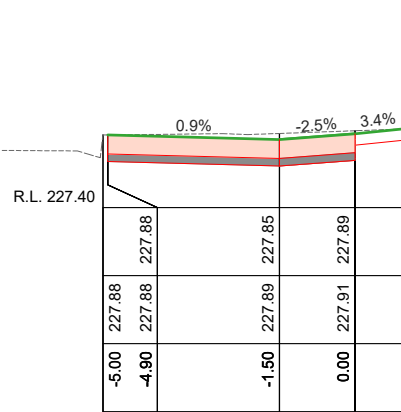
Ch 55.00



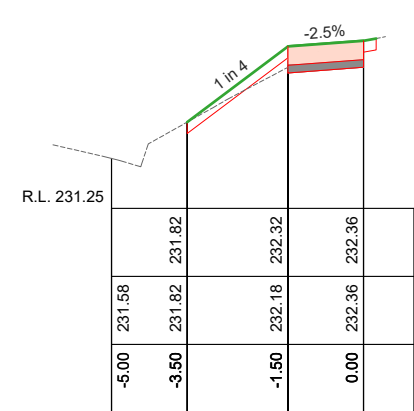
Ch 75.00



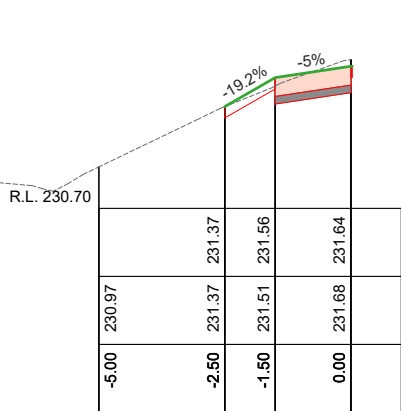
Ch 95.00



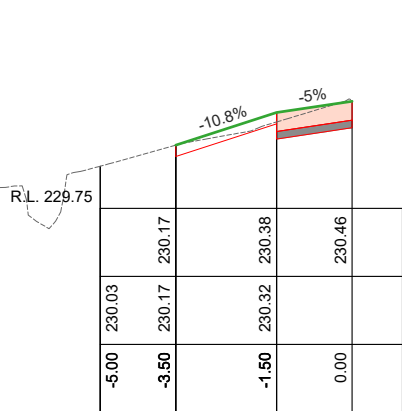
Ch 115.00



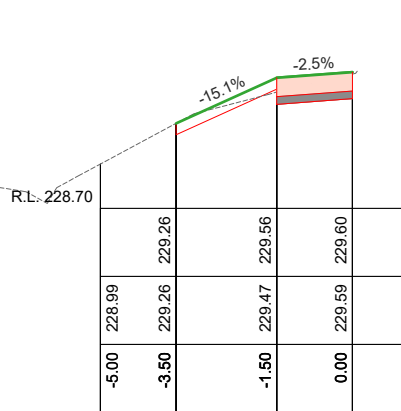
Ch 10.00



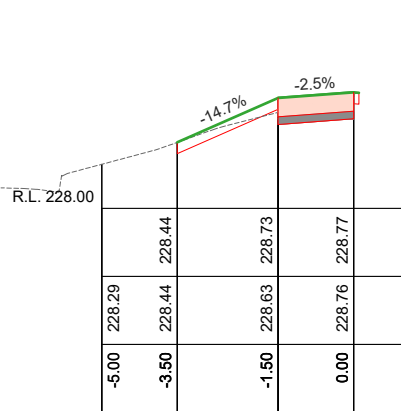
Ch 30.00



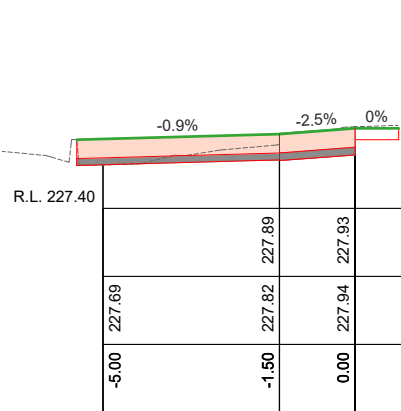
Ch 50.00



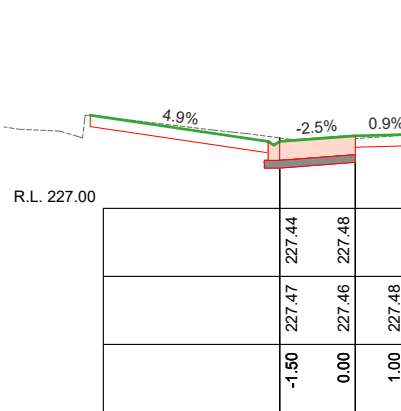
Ch 70.00



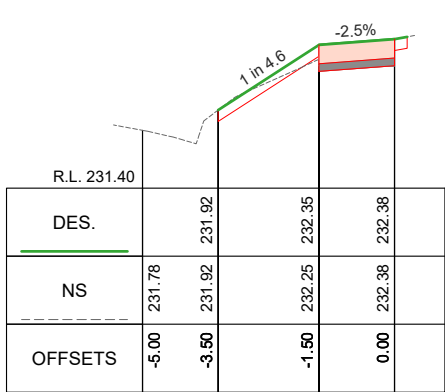
Ch 90.00



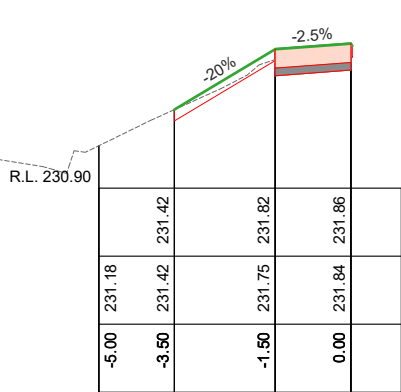
Ch 110.00



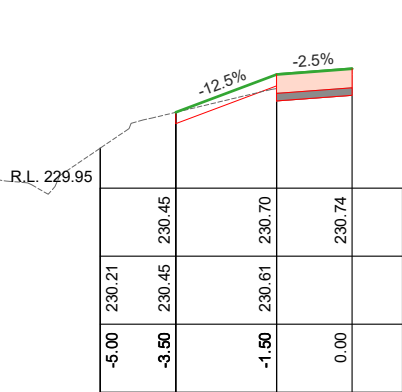
Ch 130.00



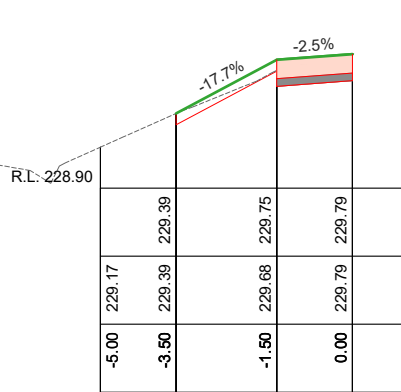
Ch 5.00



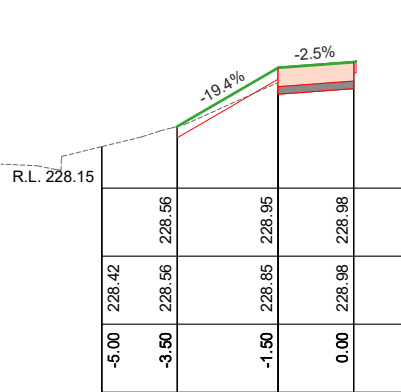
Ch 25.00



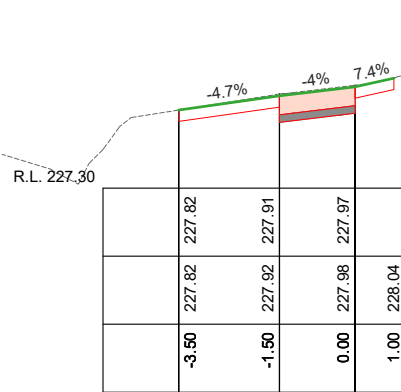
Ch 45.00



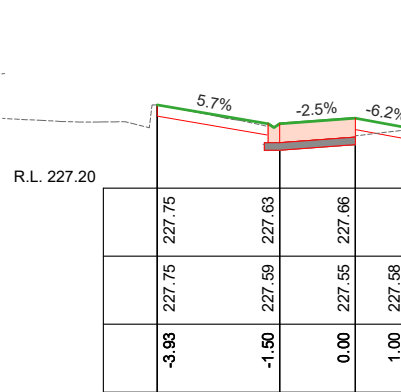
Ch 65.00



Ch 85.00



Ch 105.00



Ch 125.00

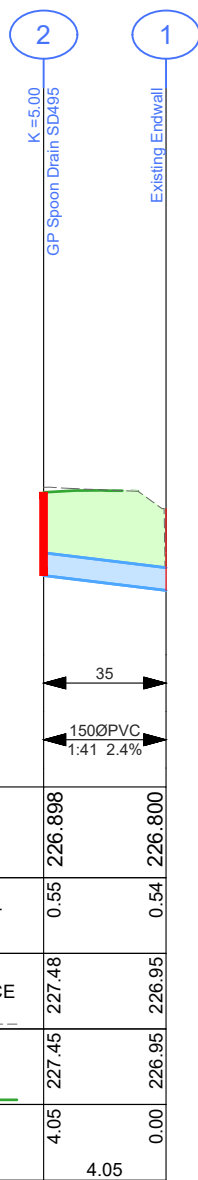
FP CROSS SECTIONS  
SCALES: H 1:150 V 1:50 (A3)



PROJECT DESIGN STATUS		
Surveyor:	H. WHYTECK	21/03/2023
Designer:	A. SMITH	02/06/2023
Draft Checked:	L. OLIVER	xx/xx/2023
Tender Approved:	N. SARTORI	xx/xx/2023
PRELIMINARY DESIGN DRAFT 2		

PROJECT DETAILS	
Location:	Arnold Street
Suburb:	North Bendigo
Works:	Footpath
GB No:	GB5081

SHEET DETAILS			
CROSS SECTIONS	Sheet number: 5 of 6		
	Plan Scale: AS SHOWN		A3
	Plotted: 20/06/2023 By: Andrew Smith		
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-



HGL CAPACITY (L/s)  
PIPE DETAILS  
SLOPE/GRADE  
DATUM RL 225.5

35  
1500PVC  
1:41 2.4%

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)



PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	21/03/2023
Designer:	A. SMITH	02/06/2023
Draft Checked:	L. OLIVER	xx/xx/2023
Tender Approved:	N. SARTORI	xx/xx/2023

PRELIMINARY DESIGN  
DRAFT 2

PROJECT DETAILS

Location: Arnold Street  
Suburb: North Bendigo  
Works: Footpath  
GB No: GB5081

SHEET DETAILS

SETOUT & DRAINAGE  
Sheet number: 6 of 6  
Plan Scale: 1:500  
A3  
Plotted: 20/06/2023 By: Andrew Smith

SHEET REVISIONS AFTER TENDER		Approved by		Date
Revision	Description			
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-