

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

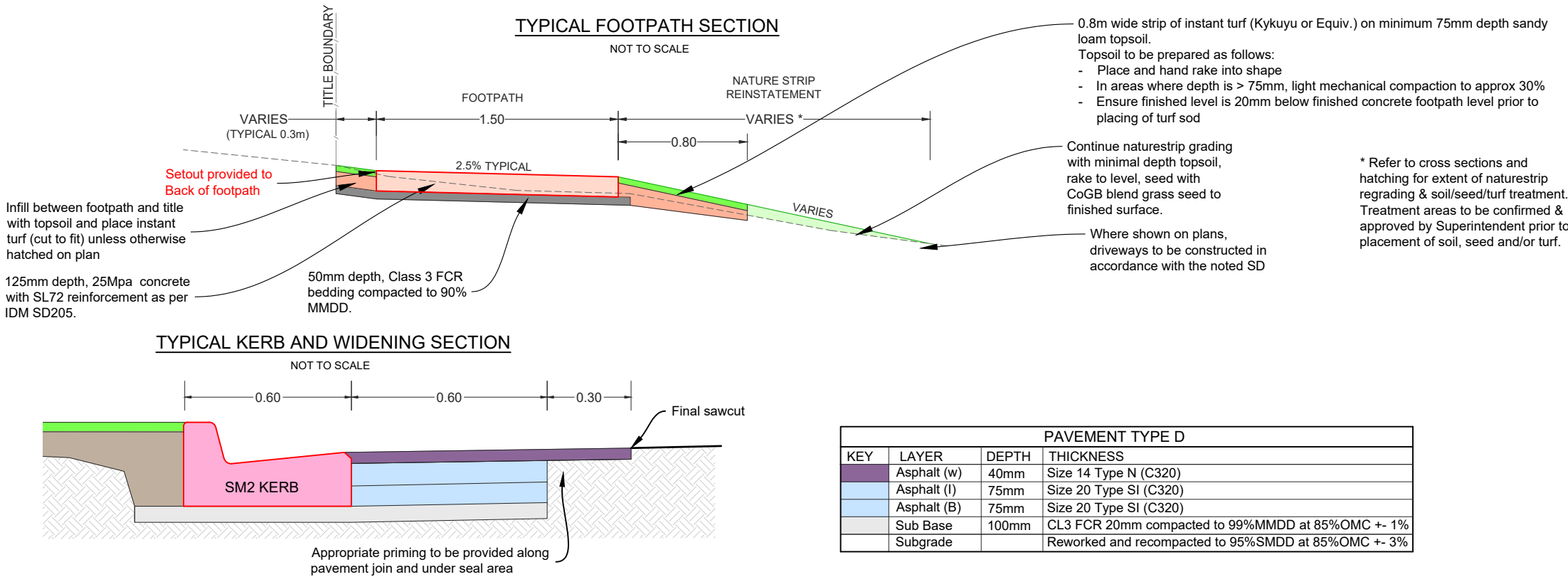
SITE ENVIRONMENTAL MANAGEMENT PLAN

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.

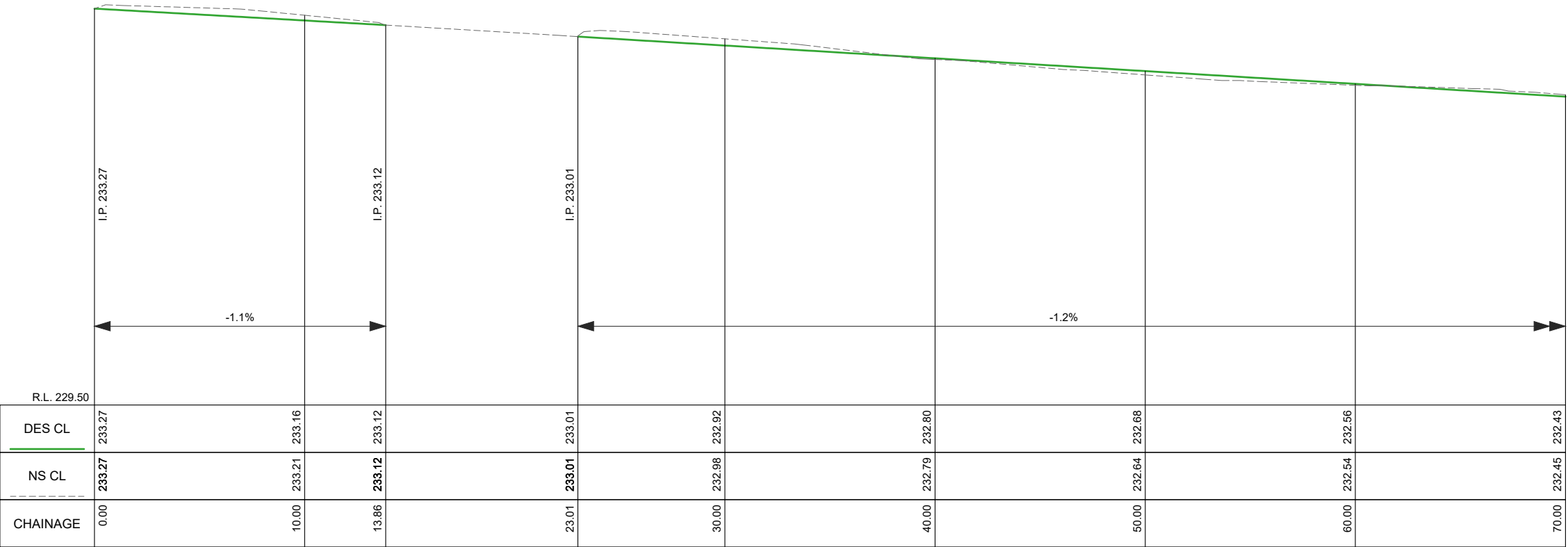
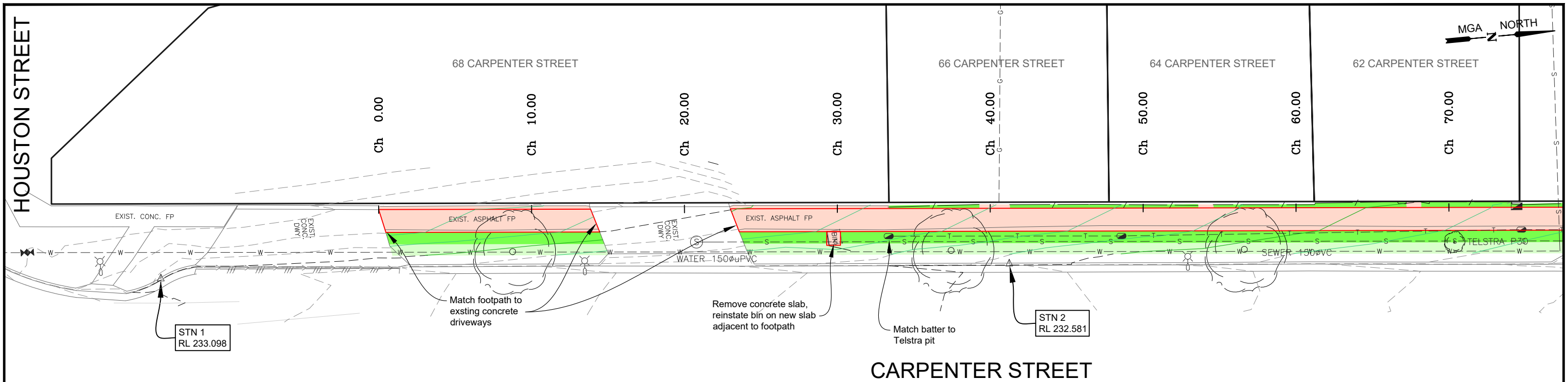


PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	20/07/23
Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 3**

PROJECT DETAILS	
Location:	Carpenter Street
Suburb:	Quarry Hill
Works:	Footpath Renewal
GB No:	GB5229

SHEET DETAILS			
GENERAL NOTES		Sheet number:	2 of 14
		Plan Scale:	- A3
		Plotted:	22/09/2023 By:Megan Jennings
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
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CARPENTER STREET FOOTPATH LONGITUDINAL SECTION CH 0.000 To 70.000
SCALES: H 1:250 V 1:50 (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

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

Concrete Driveway area: Normal plain
Dwy as per IDM SD240

Pavement Reinstatement:
Per details pg. 2

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)

PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	20/07/23
Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 3**

PROJECT DETAILS

Location: Carpenter Street

Suburb: Quarry Hill

Works: Footpath Renewal

GB No: GB5229

SHEET DETAILS

DETAIL PLAN

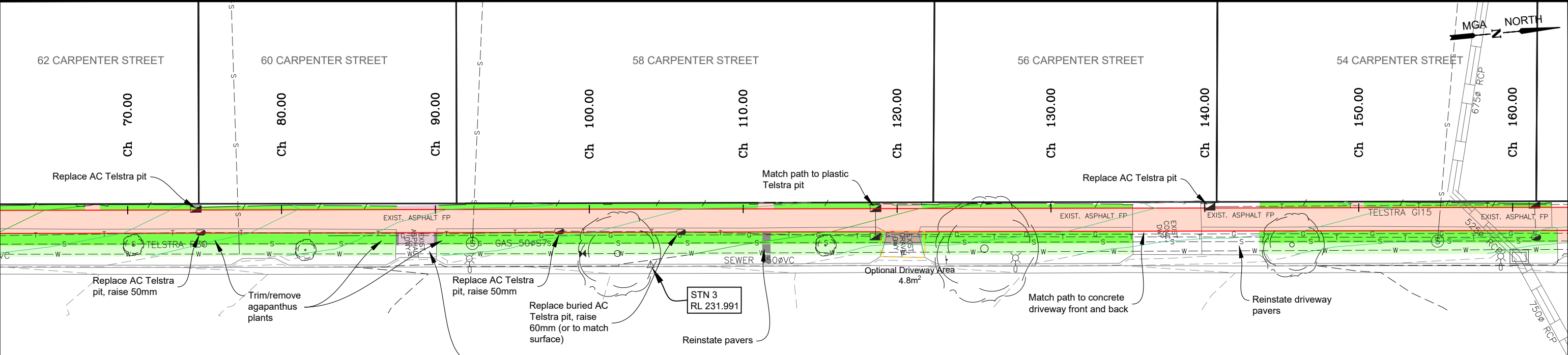
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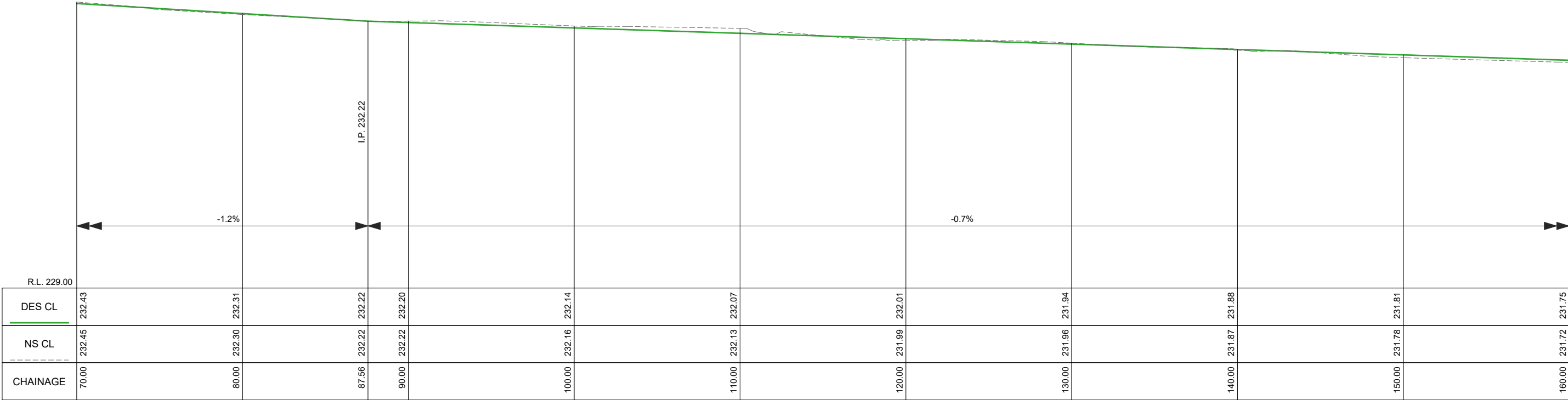
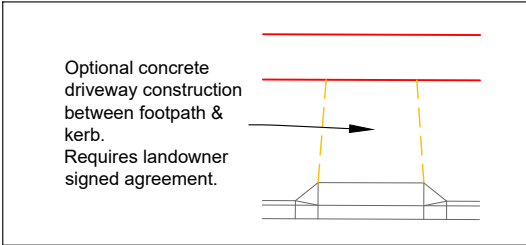
A3

Plotted: 22/09/2023 By: Megan Jennings

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



CARPENTER STREET



CARPENTER STREET FOOTPATH LONGITUDINAL SECTION CH 70.000 To 160.000
SCALES: H 1:250 V 1:50 (A3)

LEGEND

DESIGN CONTOURS - Levels to AHD (0.10m interval)	Concrete Footpath area: Normal plain Footpath as per IDM SD 205 & SD210	Pavement Reinstatement: Per details pg. 2	Landscape work: Instant turf (Refer: Typical details pg 2)
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)
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)

CITY OF GREATER BENDIGO

PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	20/07/23
Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN DRAFT 3

PROJECT DETAILS

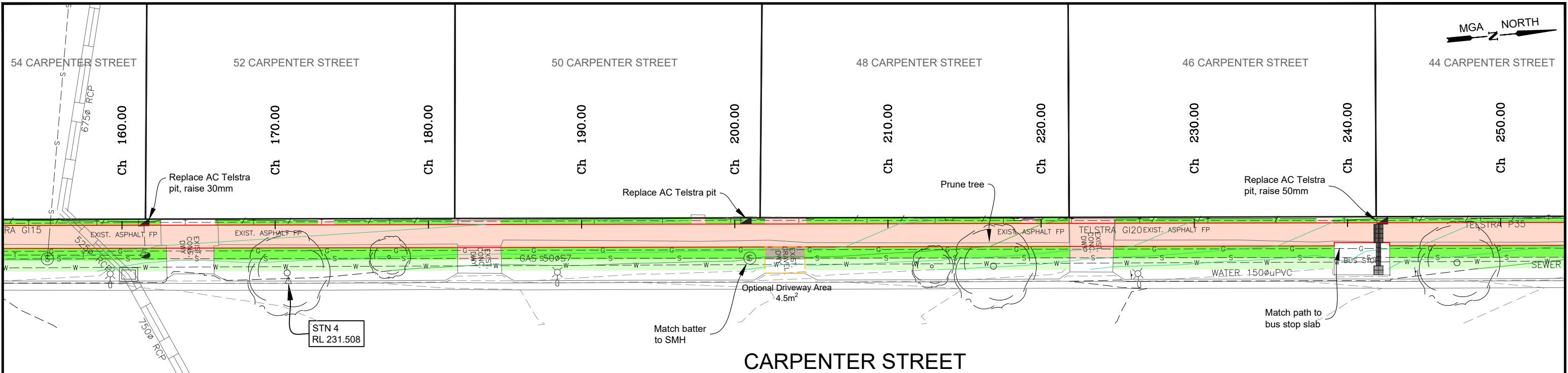
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Suburb: Quarry Hill
Works: Footpath Renewal
GB No: GB5229

SHEET DETAILS

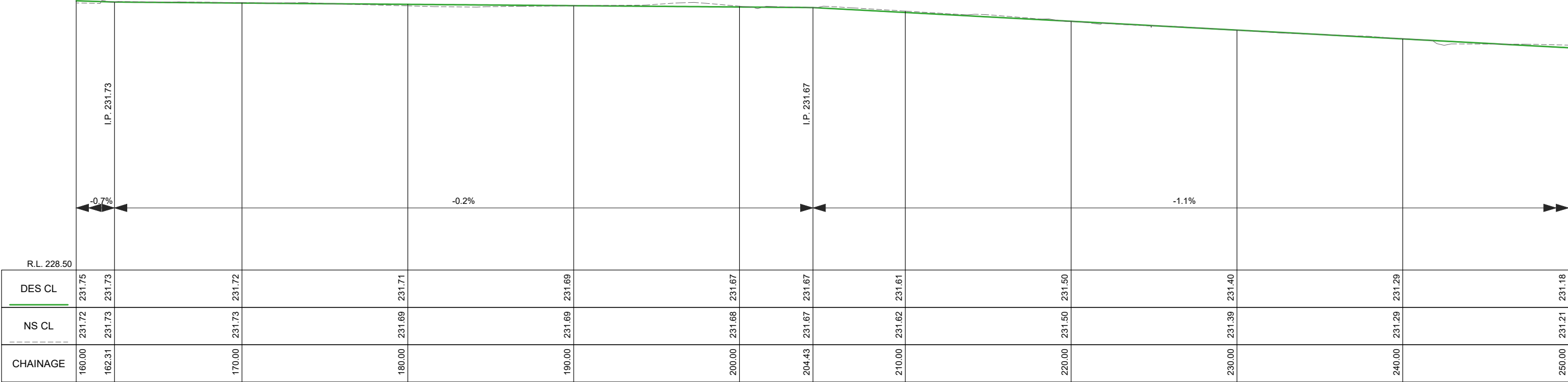
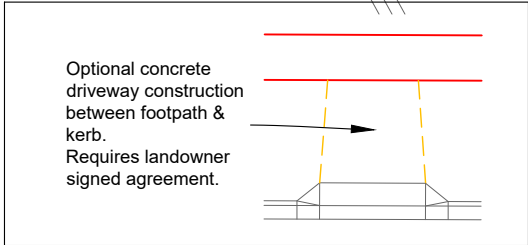
DETAIL PLAN

Sheet number: 4 of 14
Plan Scale: 1:250
Plotted: 22/09/2023 By: Megan Jennings

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



CARPENTER STREET



CARPENTER STREET FOOTPATH LONGITUDINAL SECTION CH 160.000 To 250.000
SCALES: H 1:250 V 1:50 (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

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

Concrete Driveway area: Normal plain
Dwy as per IDM SD240

Pavement Reinstatement:
Per details pg. 2

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)

PROJECT DESIGN STATUS

Surveyor:	H. WHYTECK	20/07/23
Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 3**

PROJECT DETAILS

Location: Carpenter Street

Suburb: Quarry Hill

Works: Footpath Renewal

GB No: GB5229

SHEET DETAILS

DETAIL PLAN

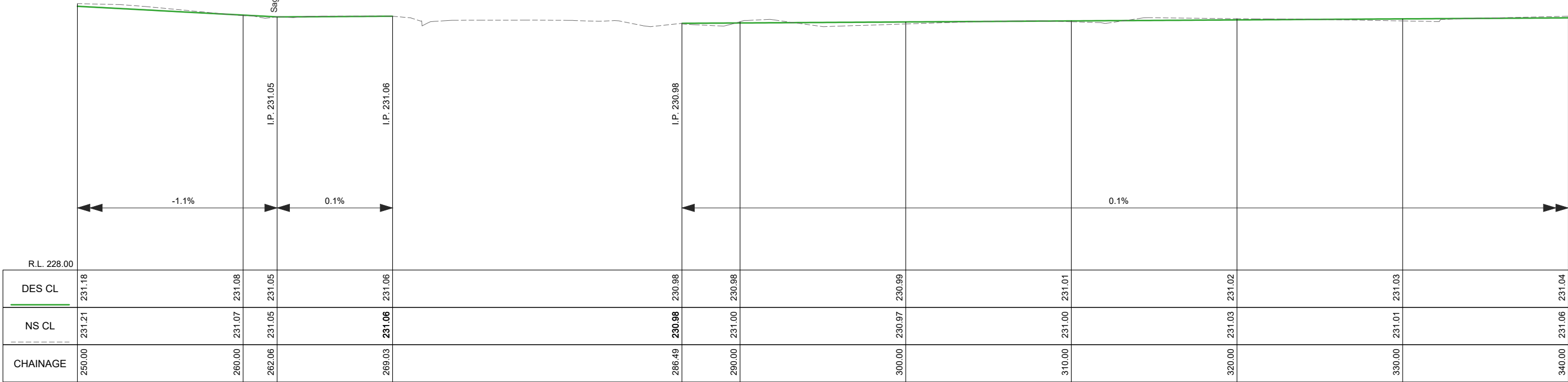
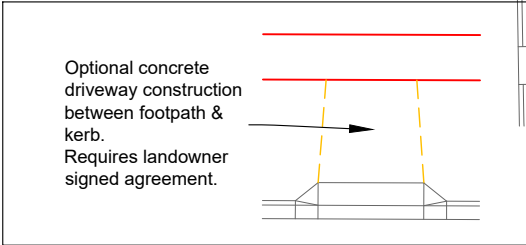
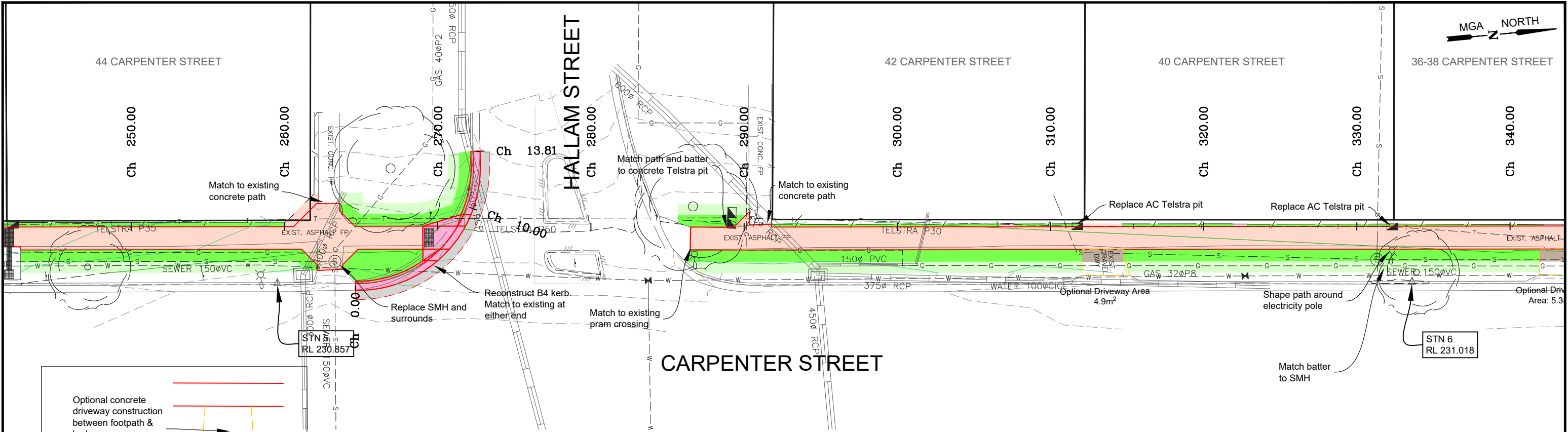
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Plan Scale: 1:250

A3

Plotted: 22/09/2023 By:Megan Jennings

Revision	Description	Approved by	Date
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CARPENTER STREET FOOTPATH LONGITUDINAL SECTION CH 250.000 To 340.000
SCALES: H 1:250 V 1:50 (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

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

Concrete Driveway area: Normal plain
Dwy as per IDM SD240

Pavement Reinstatement:
Per details pg. 2

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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Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 3**

PROJECT DETAILS

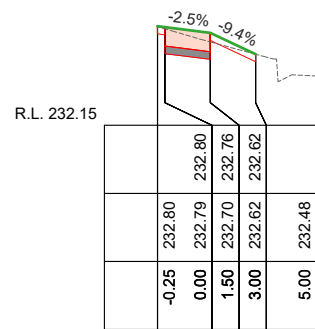
Location: Carpenter Street
Suburb: Quarry Hill
Works: Footpath Renewal
GB No: GB5229

SHEET DETAILS

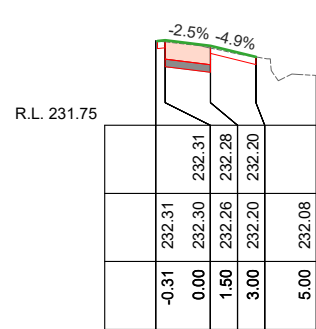
DETAIL PLAN

Sheet number: 6 of 14
Plan Scale: 1:250
Plotted: 22/09/2023 By:Megan Jennings

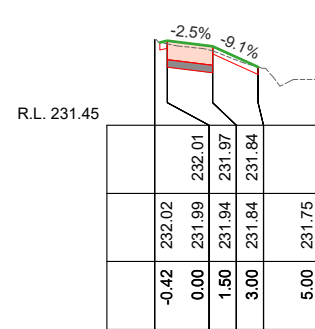
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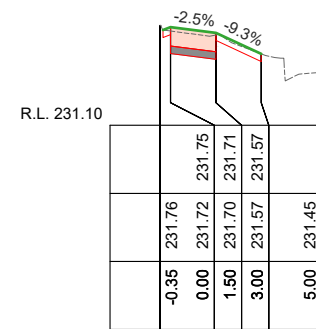
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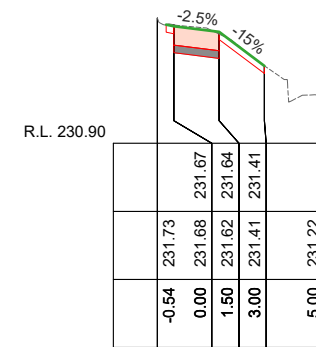
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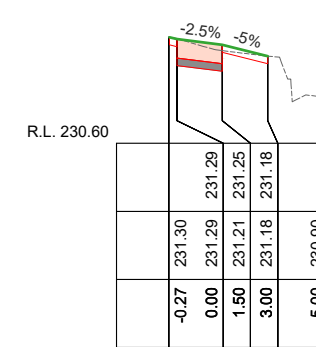
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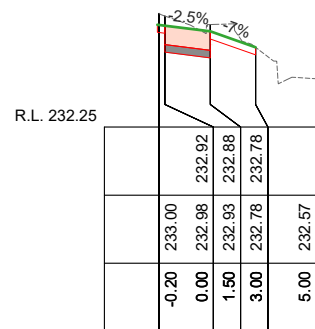
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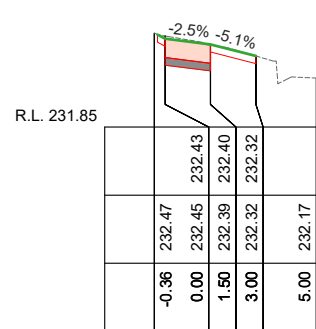
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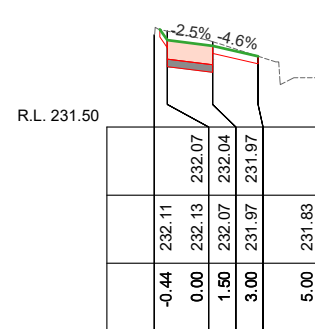
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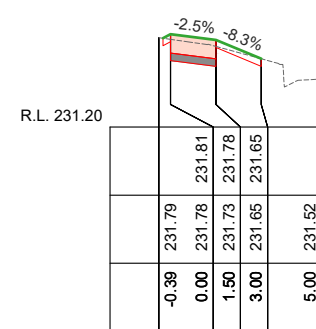
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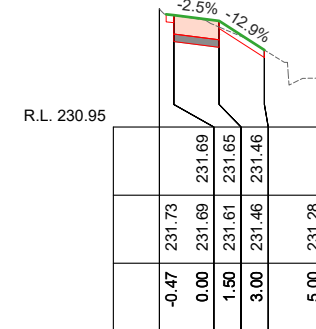
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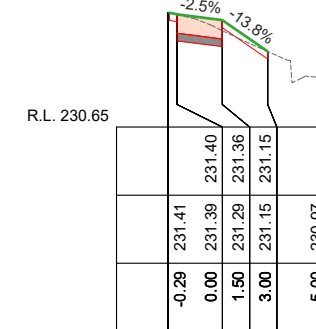
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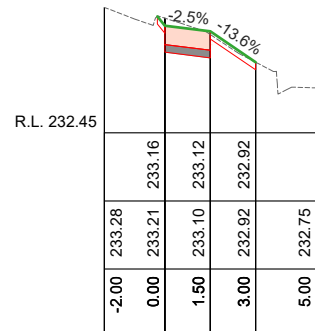
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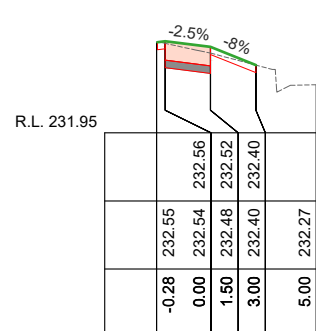
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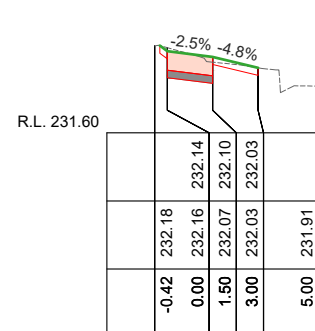
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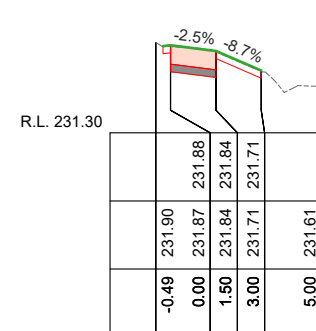
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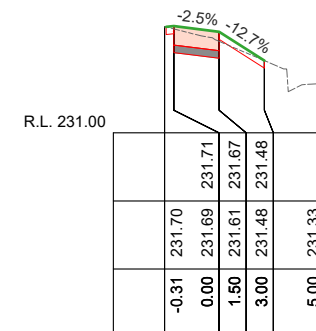
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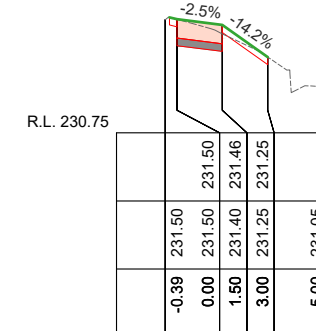
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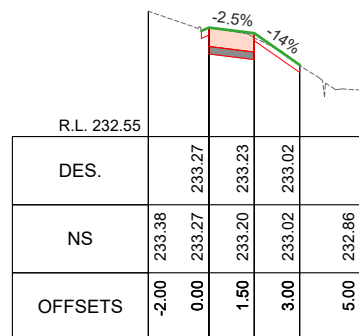
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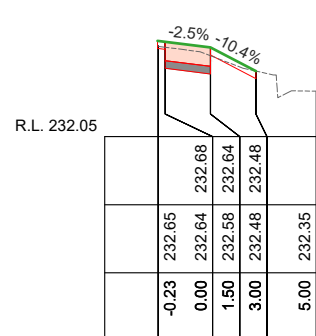
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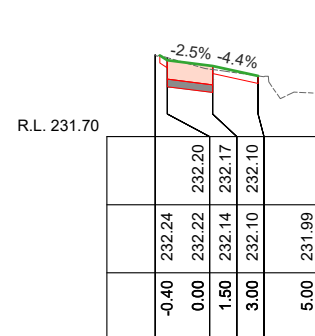
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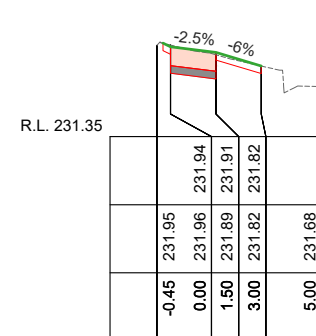
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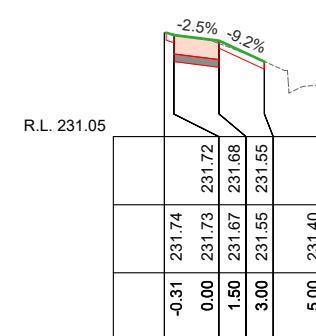
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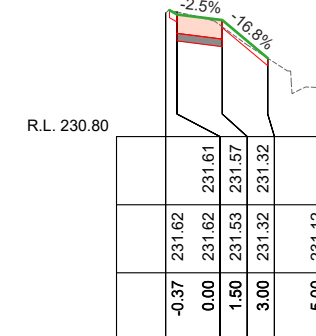
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Ch 130.00



Ch 170.00



Ch 210.00

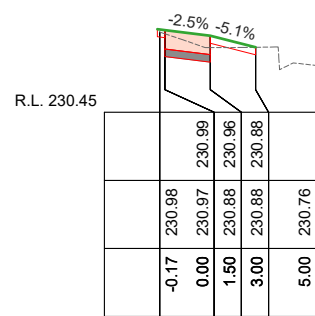
CARPENTER STREET FOOTPATH CROSS SECTIONS
SCALES: H 1:250 V 1:50 (A3)



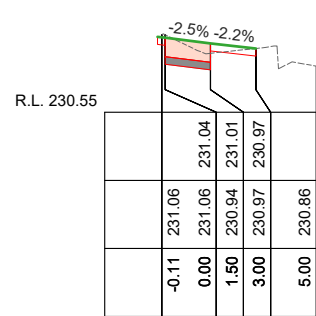
PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	20/07/23
Designer:	M. JENNINGS	21/08/23
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PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	Carpenter Street
Suburb:	Quarry Hill
Works:	Footpath Renewal
GB No:	GB5229

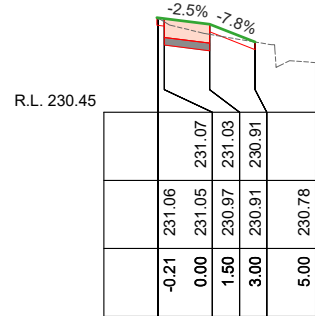
SHEET DETAILS			
CROSS SECTIONS		Sheet number: 9 of 14	
		Plan Scale: AS SHOWN	A3
		Plotted: 22/09/2023 By: Megan Jennings	
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
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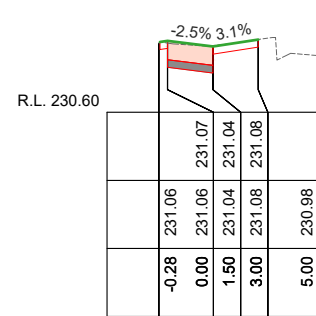
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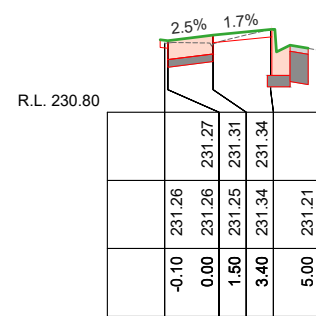
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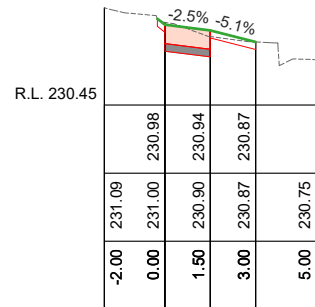
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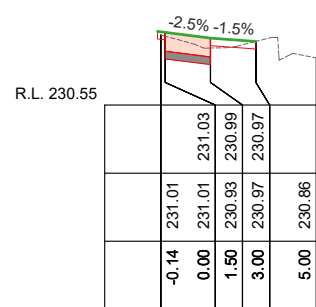
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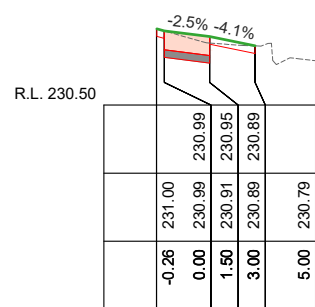
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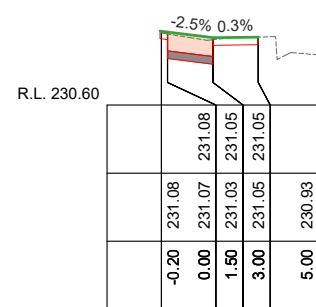
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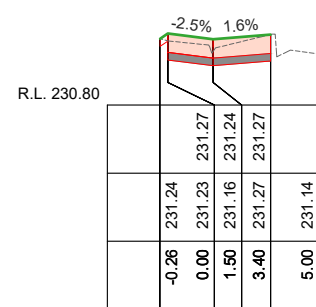
Ch 330.00



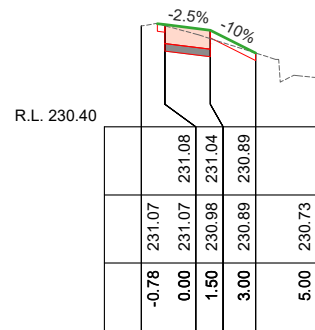
Ch 370.00



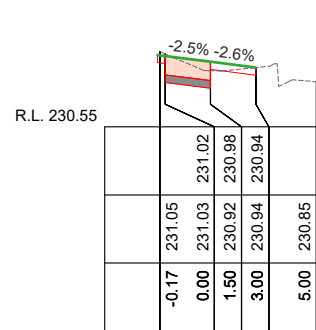
Ch 410.00



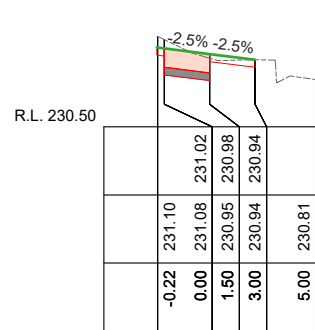
Ch 450.00



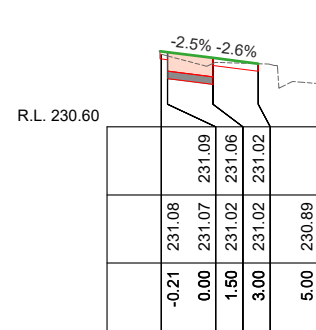
Ch 260.00



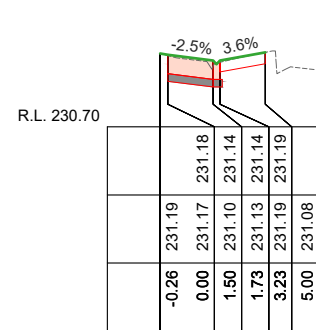
Ch 320.00



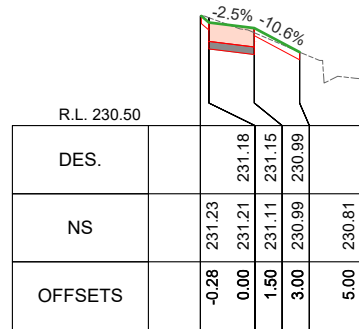
Ch 360.00



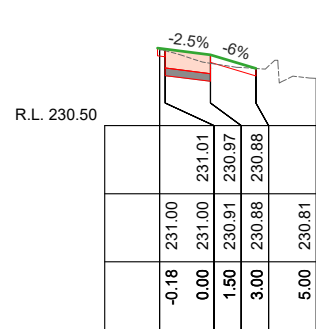
Ch 400.00



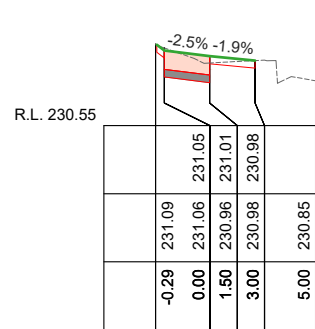
Ch 440.00



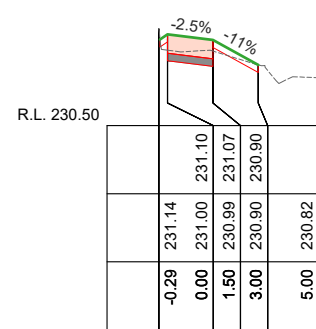
Ch 250.00



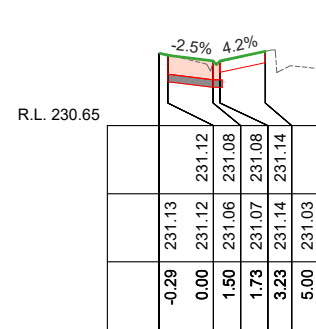
Ch 310.00



Ch 350.00



Ch 390.00



Ch 430.00

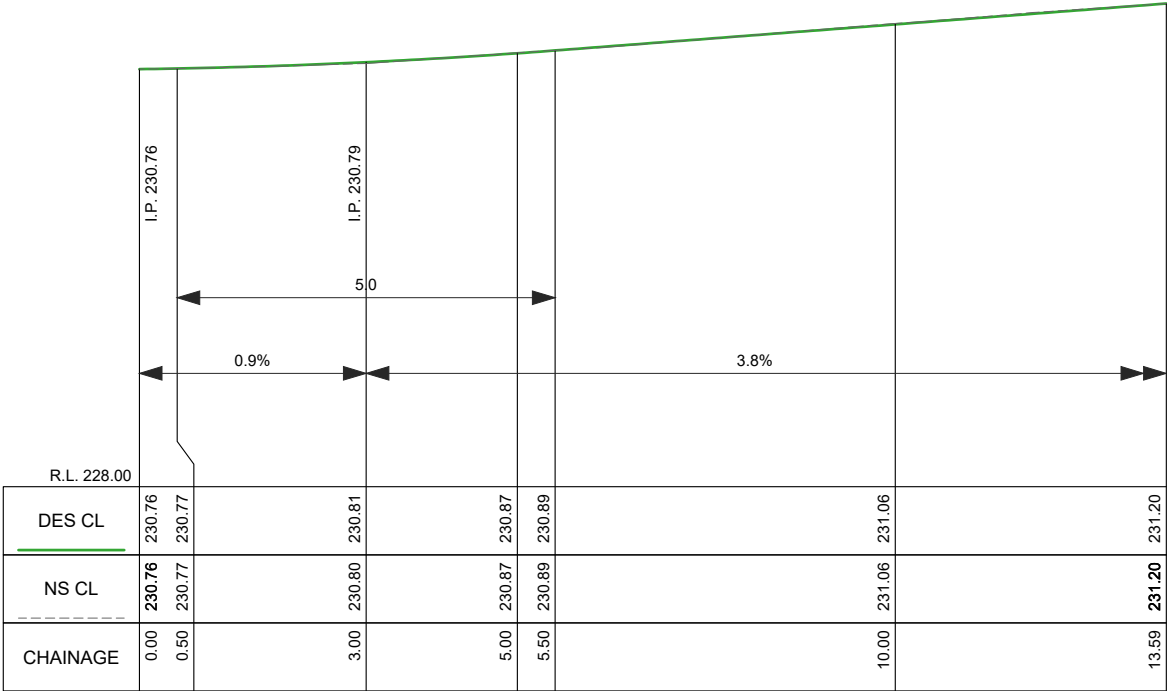
CARPENTER STREET FOOTPATH CROSS SECTIONS
SCALES: H 1:250 V 1:50 (A3)



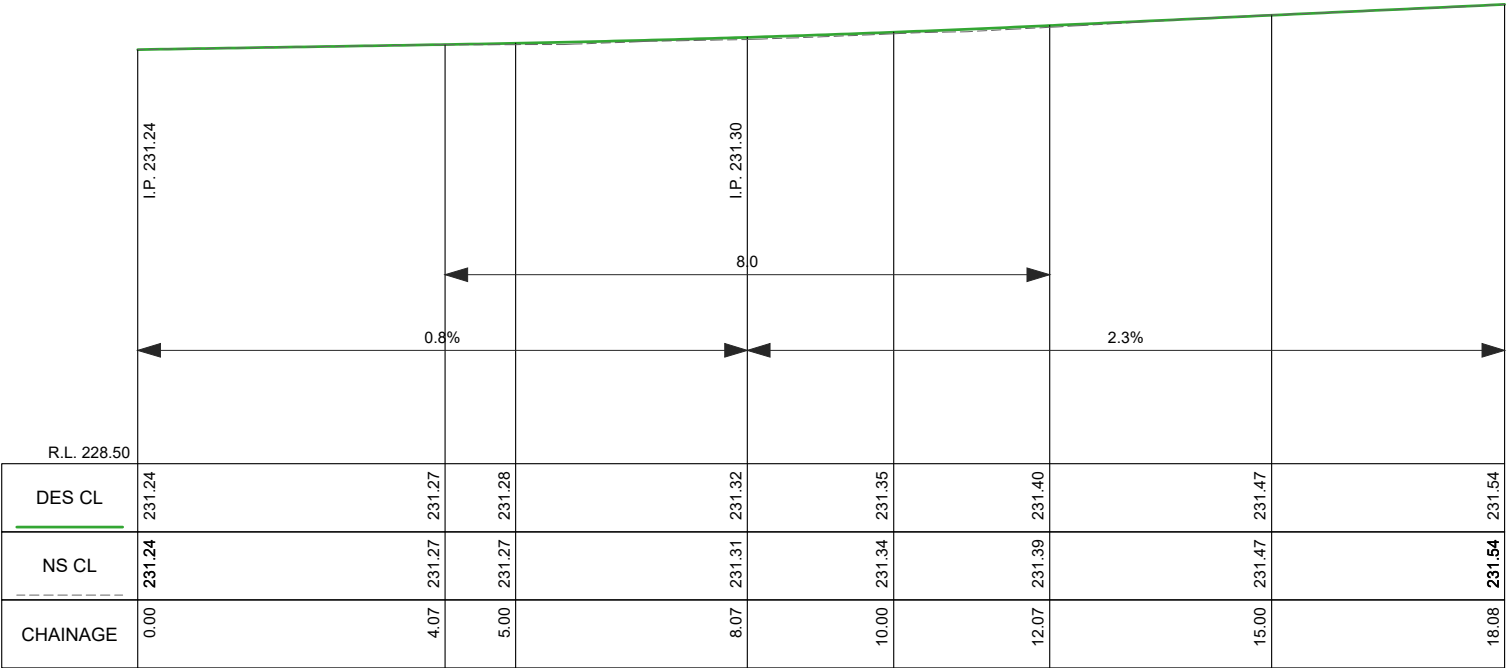
PROJECT DESIGN STATUS		
Surveyor:	H. WHYTECK	20/07/23
Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	Carpenter Street
Suburb:	Quarry Hill
Works:	Footpath Renewal
GB No:	GB5229

SHEET DETAILS			
CROSS SECTIONS		Sheet number: 10 of 14	
		Plan Scale: AS SHOWN	A3
		Plotted: 22/09/2023 By:Megan Jennings	
SHEET REVISIONS AFTER TENDER			
revision	Description	Approved by	Date
-		-	-
-		-	-



HALLAM STREET KERB LONGITUDINAL SECTION CH 0.000 To 13.586
SCALES: H 1:100 V 1:50 (A3)



RODNEY STREET KERB LONGITUDINAL SECTION CH 0.000 To 18.083
SCALES: H 1:100 V 1:50 (A3)



PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	20/07/23
Designer:	M. JENNINGS	21/08/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	Carpenter Street
Suburb:	Quarry Hill
Works:	Footpath Renewal
GB No:	GB5229

SHEET DETAILS		
KERB LONG SECTIONS		Sheet number: 11 of 14
		Plan Scale: AS SHOWN A3
		Plotted: 22/09/2023 By: Megan Jennings
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
-	-	-
-	-	-
-	-	-





