

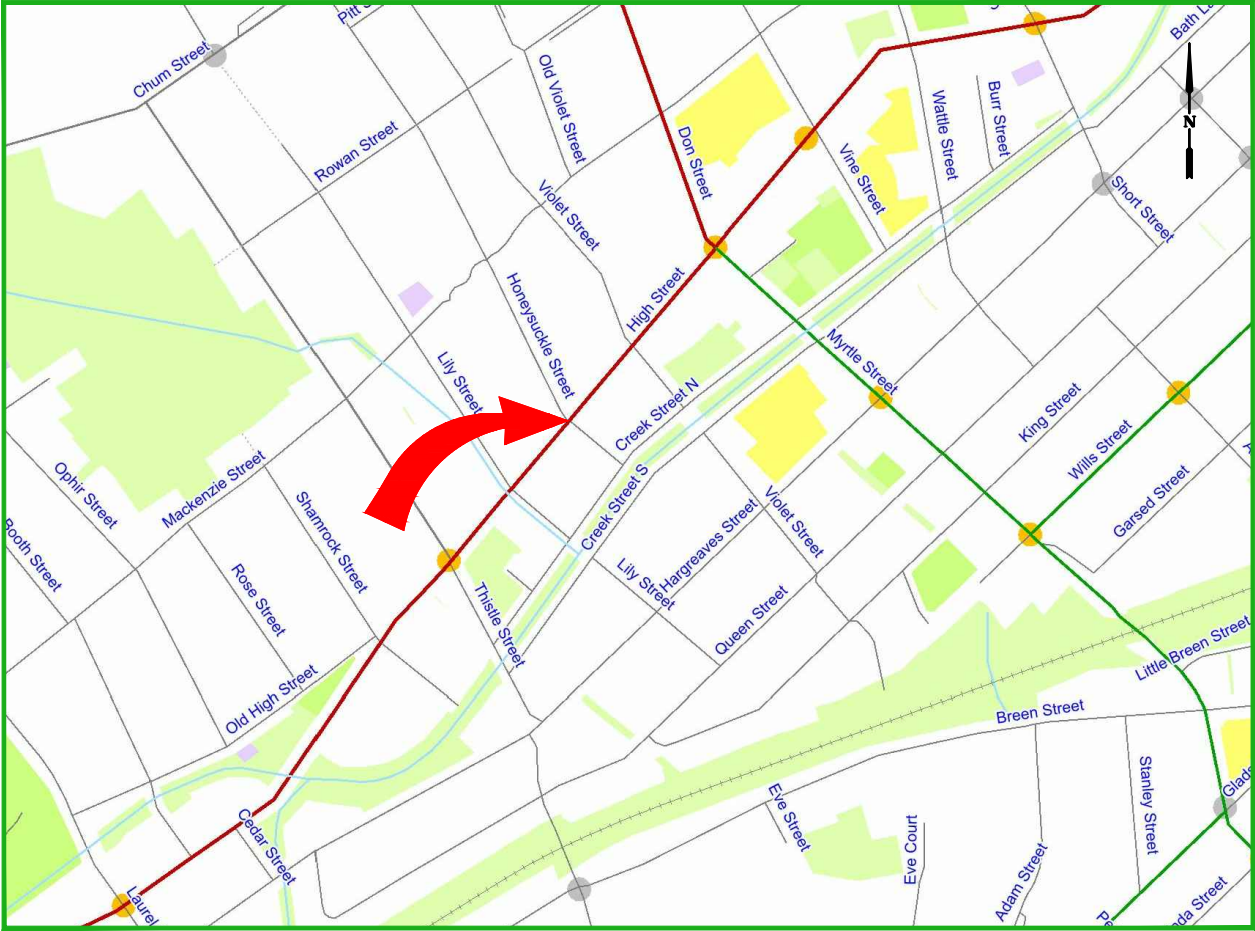
HIGH STREET, BENDIGO

GB5330

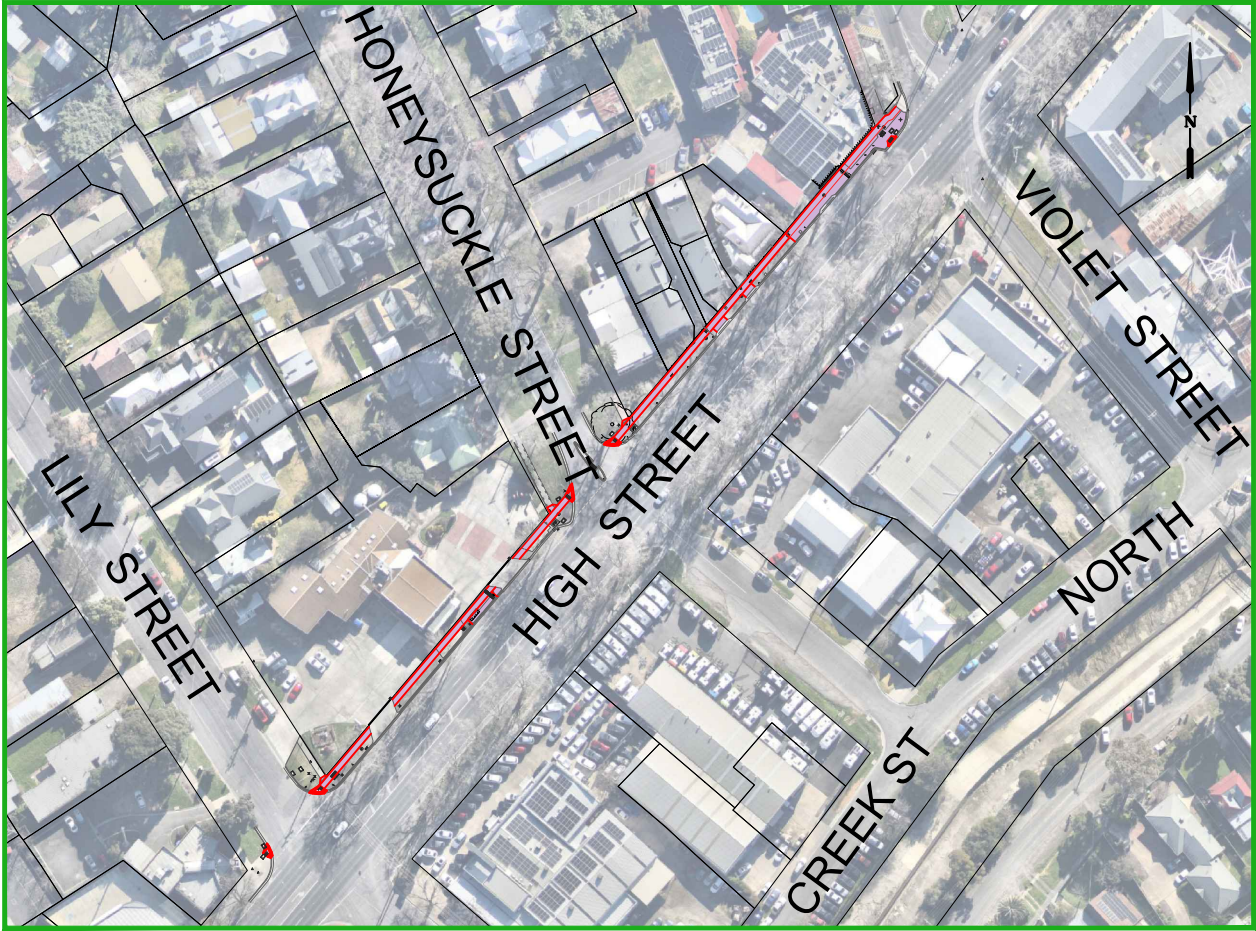
FOOTPATH RENEWAL

JULY 2024

DOCUMENT CONTROL				
SHEET No.	SHEETD ESC.	01/07/2024	xx/xx/xx	xx/xx/xx
		DRAFT REVISION	TENDER REVISION	CONSTRUCTION REVISION
1	COVER SHEET	-		
2	GENERAL NOTES & TYPICAL SECTION	-		
3	OVERALL LAYOUT & CONTROL	-		
4	DETAIL LAYOUT & LONG SECTION	-		
5	DETAIL LAYOUT & LONG SECTION	-		
6	DETAIL LAYOUT & LONG SECTION	-		
7	CROSS SECTIONS	-		
8	CROSS SECTIONS	-		
9	DRAINAGE	-		
10	SETOUT	-		



LOCALITY MAP



PROJECT EXTENTS

APPROVAL TO CONSTRUCT STAMP		PROJECT PLANNING REQUIREMENTS			 CITY OF GREATER BENDIGO	PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS	
		Item	Required	Comments		Surveyor:	D. Meades	26/04/2024	Location: High Street Suburb: Bendigo Works: Footpath Renewal GB No: GB5330	COVER SHEET	Sheet number: 1 of 10	
		Vegetation	No	-		Designer:	A. Smith	16/06/2024			Plan Scale: -	A3
DO NOT CONSTRUCT WITHOUT STAMP		RRV	No	-		Draft Checked:	x.xxx	xx/xx/2024	PRELIMINARY DESIGN DRAFT 3	SHEET REVISIONS AFTER TENDER	Plotted: 01/07/2024 By: Andrew Smith	
		CMA	No	-		Tender Approved:	N. Sartori	xx/xx/2024			Revision	Description
		Planning Permit	No	-							Approved by	Date
		Land Acquisition	No	-							-	-
		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
- 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

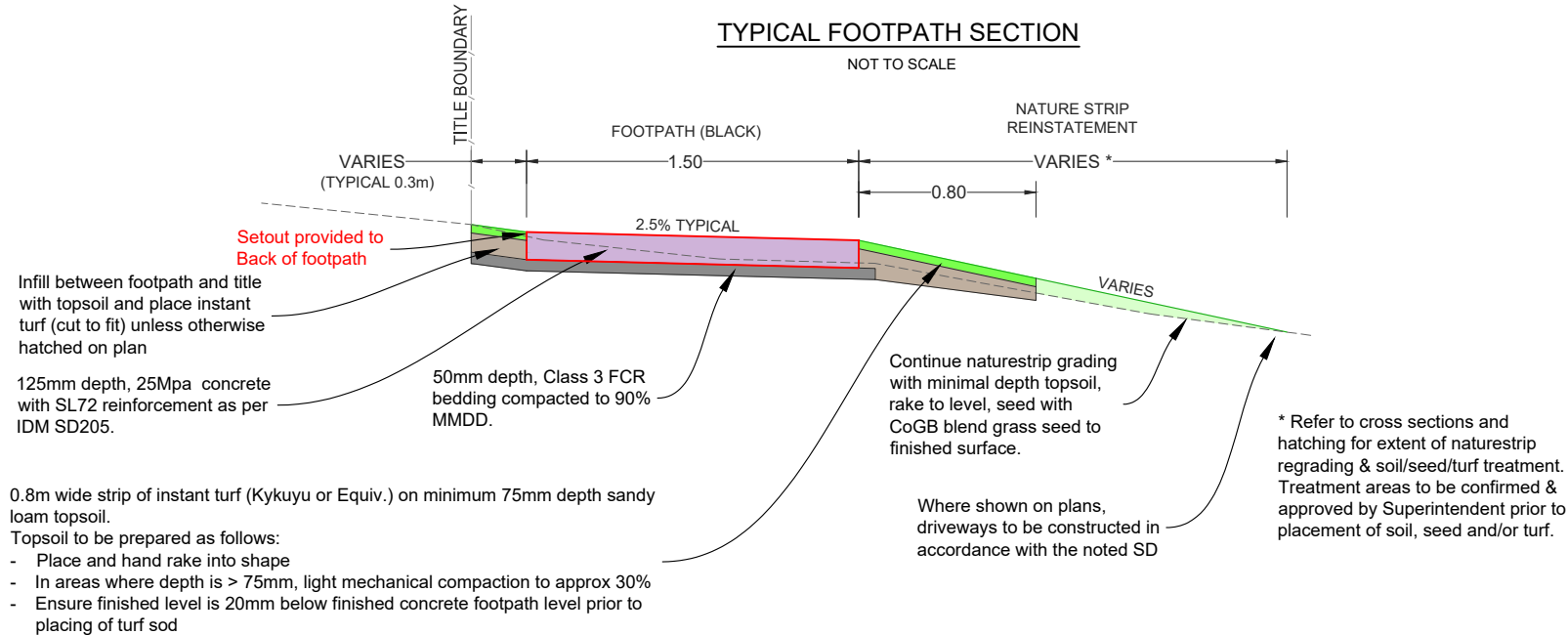
SITE ENVIRONMENTAL MANAGEMENT PLAN

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 PM 1716
- Survey level has been tied to AHD via PM 1716

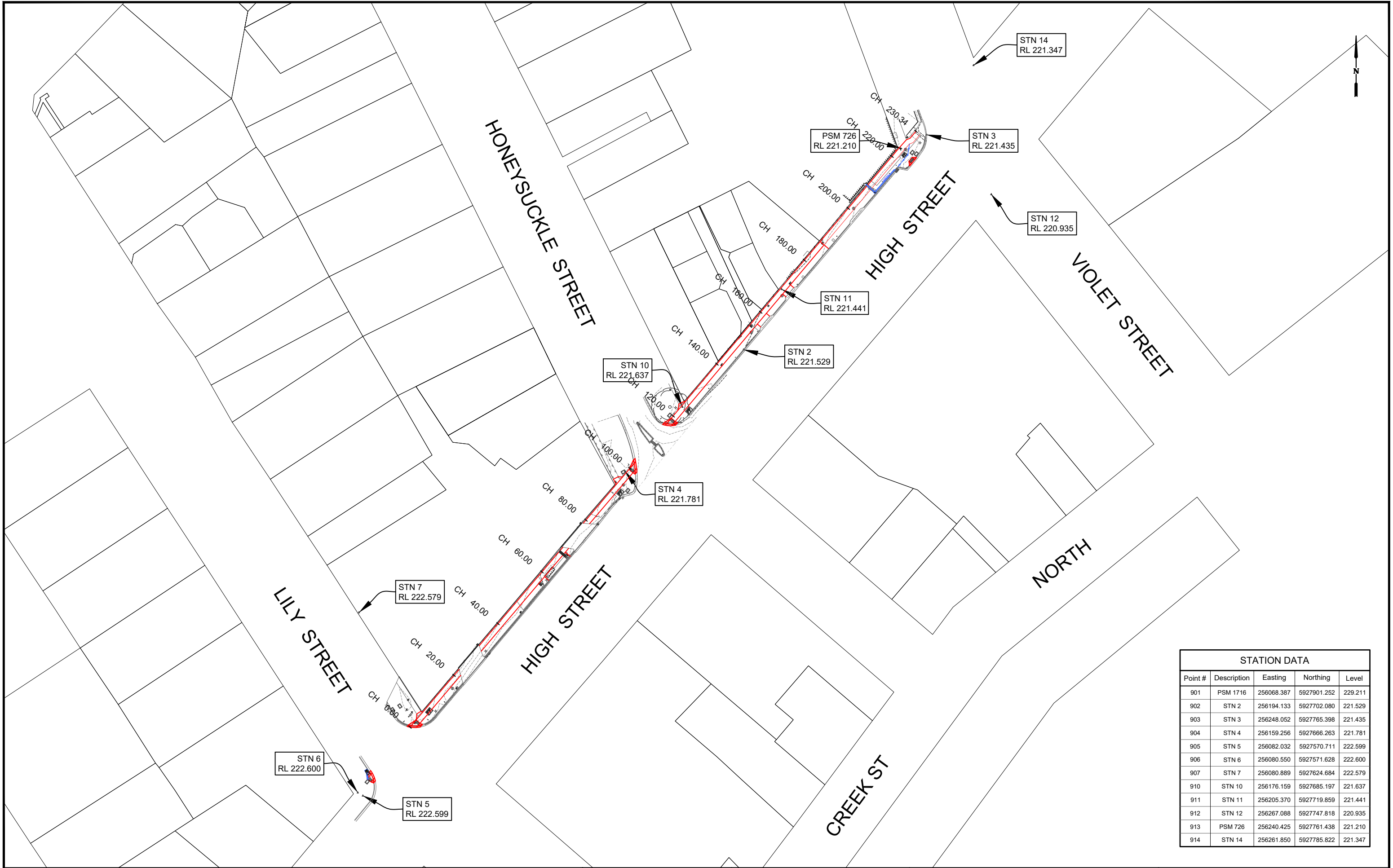


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Surveyor:	D. Meades	26/04/2024
Designer:	A. Smith	16/06/2024
Draft Checked:	x.xxx	xx/xx/2024
Tender Approved:	N. Sartori	xx/xx/2024

**PRELIMINARY DESIGN
DRAFT 3**

PROJECT DETAILS	
Location:	High Street
Suburb:	Bendigo
Works:	Footpath Renewal
GB No:	GB5330

SHEET DETAILS			
GENERAL NOTES & TYPICAL SECTION		Sheet number:	2 of 10
		Plan Scale:	- A3
		Plotted:	01/07/2024 By: Andrew Smith
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



STATION DATA				
Point #	Description	Easting	Northing	Level
901	PSM 1716	256068.387	5927901.252	229.211
902	STN 2	256194.133	5927702.080	221.529
903	STN 3	256248.052	5927765.398	221.435
904	STN 4	256159.256	5927666.263	221.781
905	STN 5	256082.032	5927570.711	222.599
906	STN 6	256080.550	5927571.628	222.600
907	STN 7	256080.889	5927624.684	222.579
910	STN 10	256176.159	5927685.197	221.637
911	STN 11	256205.370	5927719.859	221.441
912	STN 12	256267.088	5927747.818	220.935
913	PSM 726	256240.425	5927761.438	221.210
914	STN 14	256261.850	5927785.822	221.347



CITY OF GREATER
BENDIGO

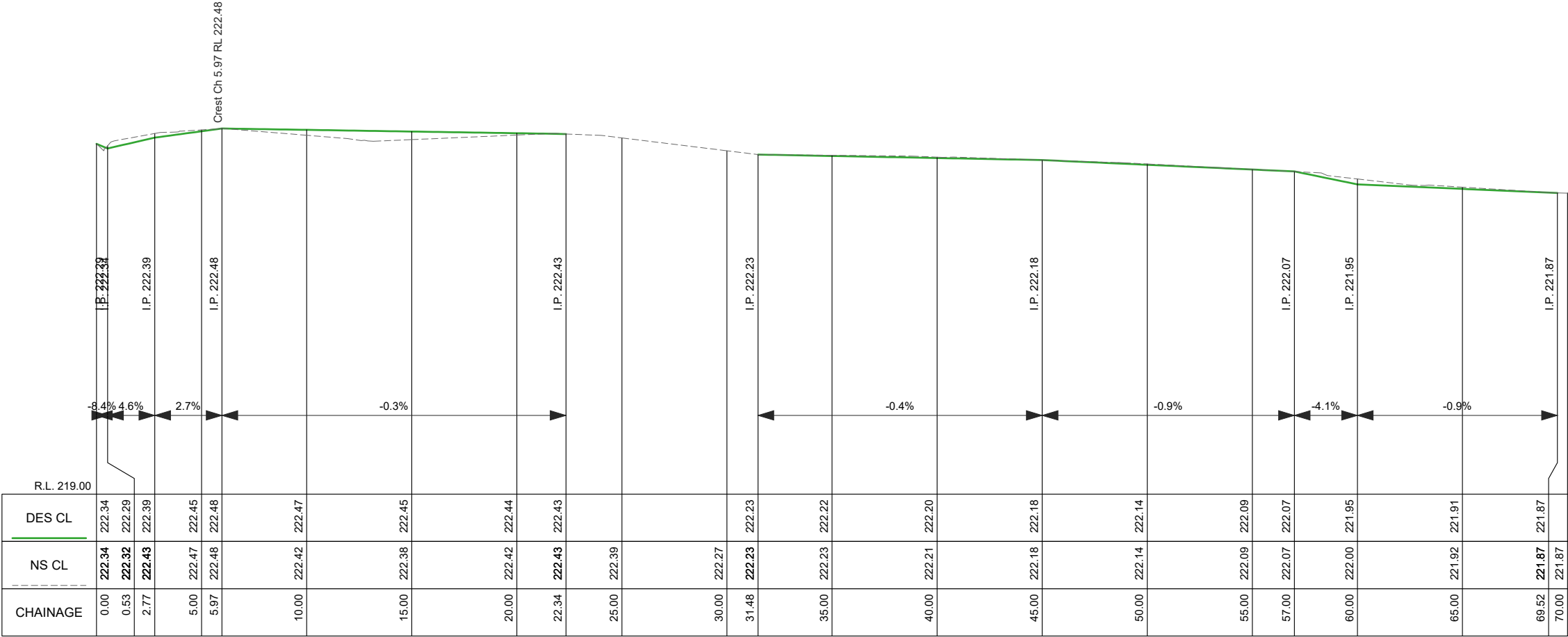
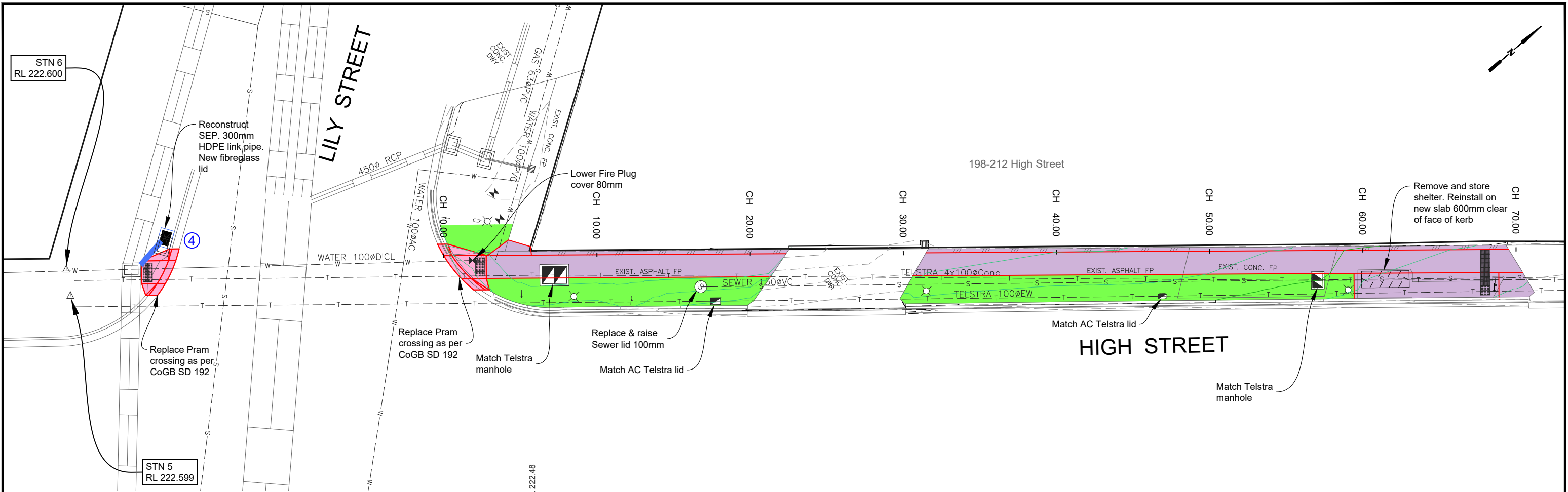
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Surveyor:	D. Meades	26/04/2024
Designer:	A. Smith	16/06/2024
Draft Checked:	x.xxx	xx/xx/2024
Tender Approved:	N. Sartori	xx/xx/2024

PRELIMINARY DESIGN
DRAFT 3

PROJECT DETAILS	
Location:	High Street
Suburb:	Bendigo
Works:	Footpath Renewal
GB No:	GB5330

SHEET DETAILS	
OVERALL LAYOUT & CONTROL	Sheet number: 3 of 10
	Plan Scale: 1:1000 A3
	Plotted: 01/07/2024 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 1:50 (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 Black
Footpath as per IDM SD 205 & SD210

Landscape work: topsoil

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

PROJECT DESIGN STATUS

Surveyor: D. Meades26/04/2024

Designer: A. Smith16/06/2024

Draft Checked: x.xxxxx/xx/2024

Tender Approved: N. Sartorixx/xx/2024

PRELIMINARY DESIGN
DRAFT 3

PROJECT DETAILS

Location: High Street

Suburb: Bendigo

Works: Footpath Renewal

GB No: GB5330

SHEET DETAILS

DETAIL LAYOUT & LONG SECTION

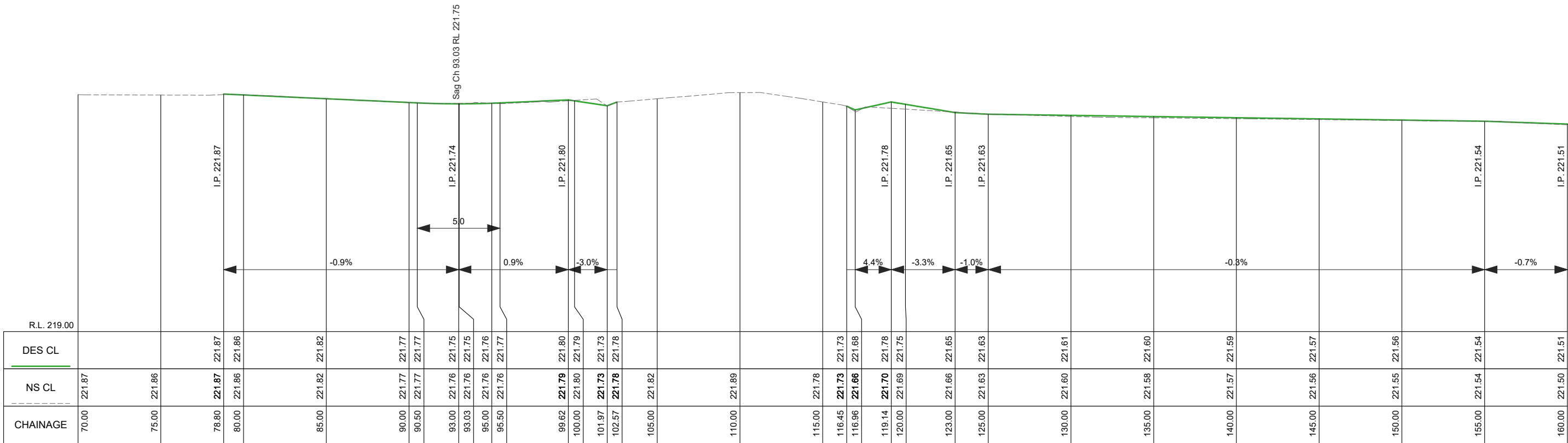
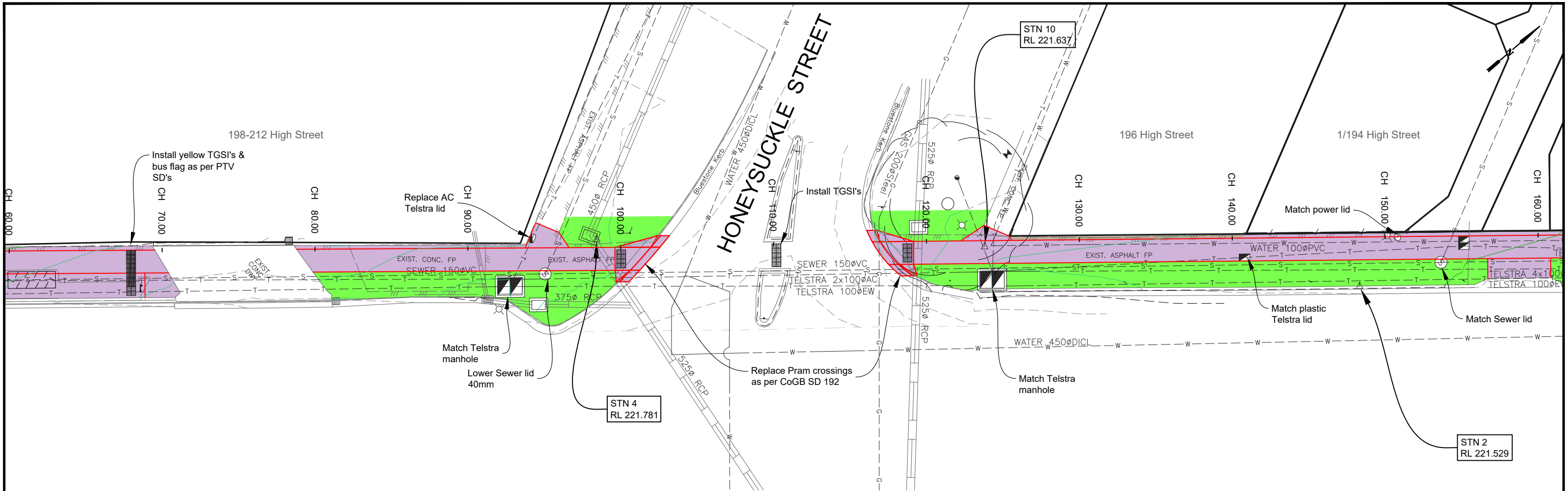
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Plan Scale: 1:250A3

Plotted: 01/07/2024 By: Andrew Smith

SHEET REVISIONS AFTER TENDER

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



FP 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)

EXISTING CONTOURS
- Levels to AHD (0.10m interval)

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

Concrete Kerb area: Normal plain Kerb per IDM SD100 & CoGB SD190,191,192

Landscape work: topsoil

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

CITY OF GREATER BENDIGO

PROJECT DESIGN STATUS

Surveyor:	D. Meades	26/04/2024
Designer:	A. Smith	16/06/2024
Draft Checked:	x.xxx	xx/xx/2024
Tender Approved:	N. Sartori	xx/xx/2024

PRELIMINARY DESIGN DRAFT 3

PROJECT DETAILS

Location: High Street

Suburb: Bendigo

Works: Footpath Renewal

GB No: GB5330

SHEET DETAILS

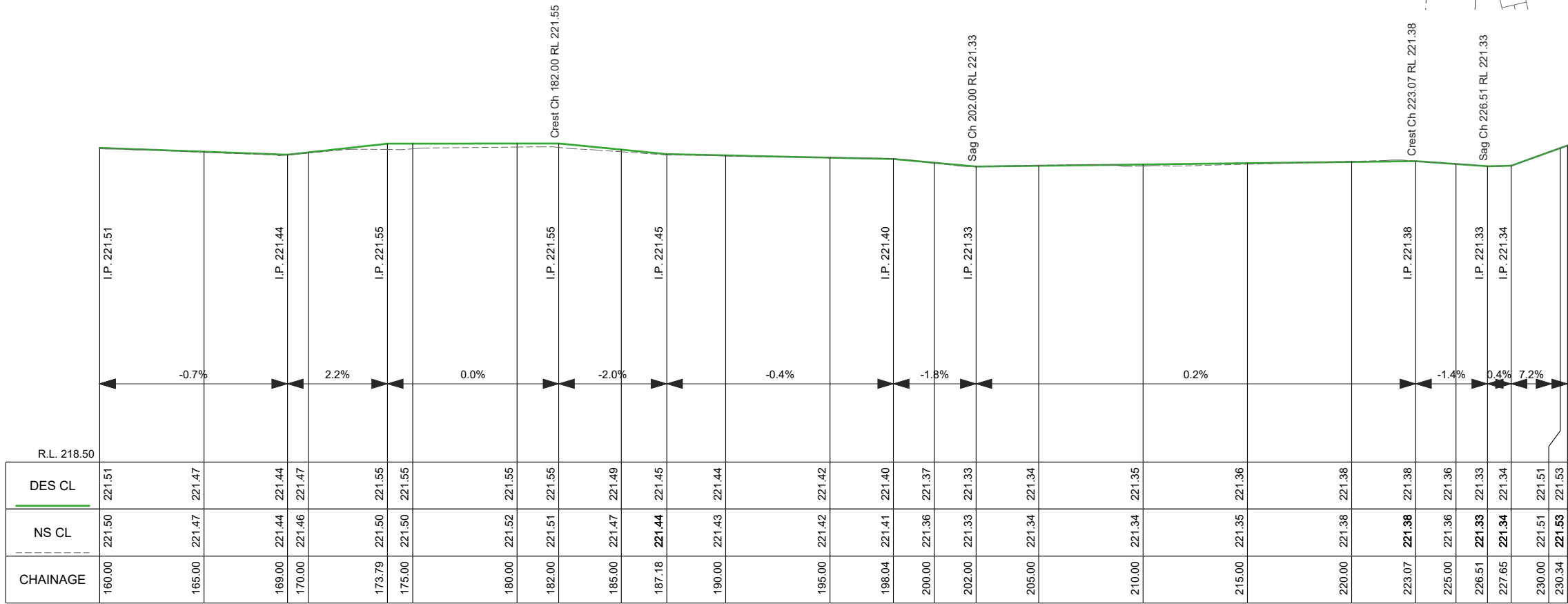
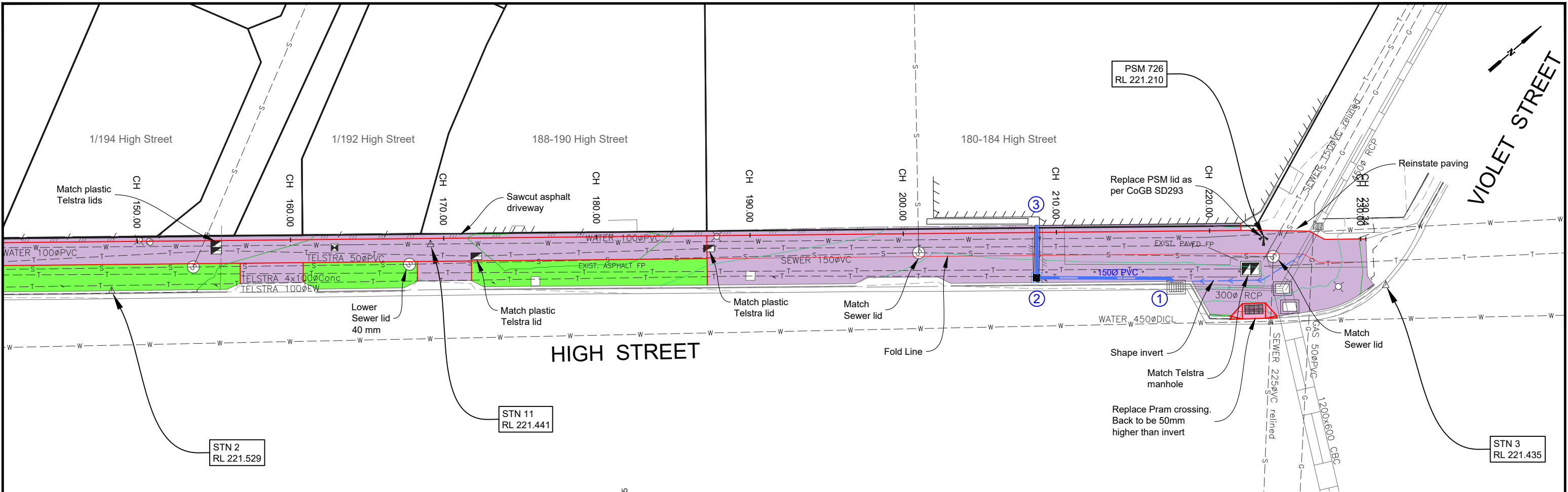
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Sheet number: 5 of 10

Plan Scale: 1:250

Plotted: 01/07/2024 By: Andrew Smith

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



FP LONGITUDINAL SECTION CH 160.000 To 230.342
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 Black
Footpath as per IDM SD 205 & SD210

Landscape work: topsoil

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

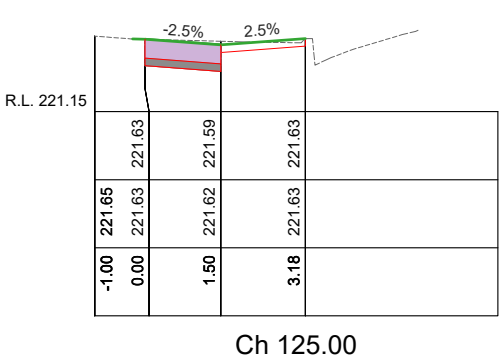
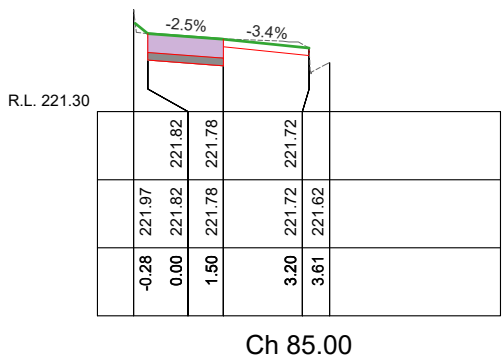
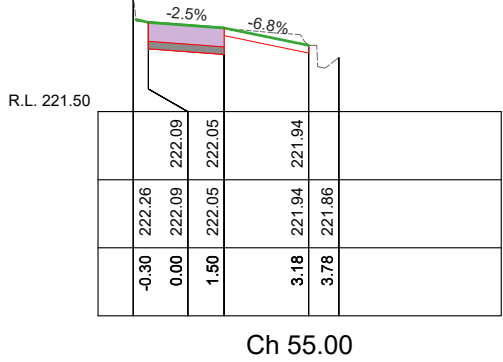
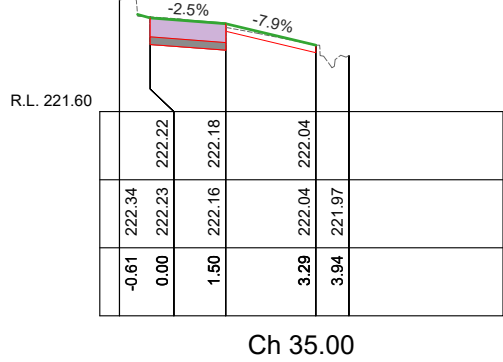
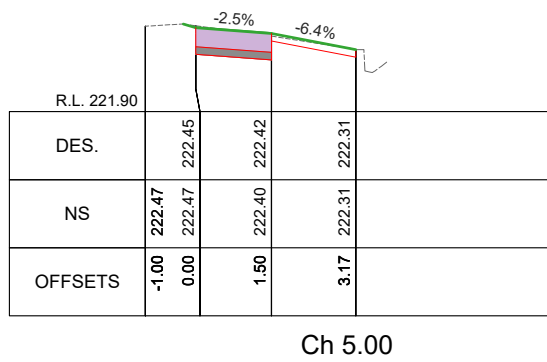
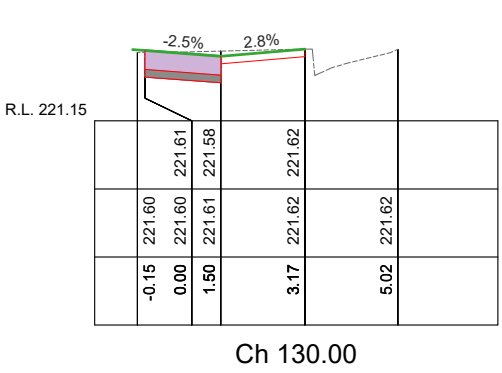
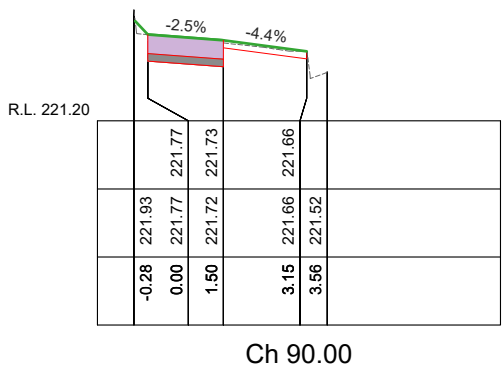
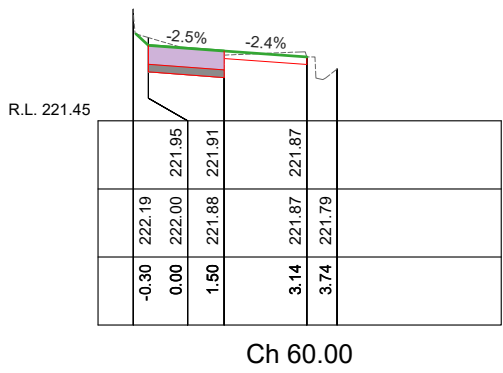
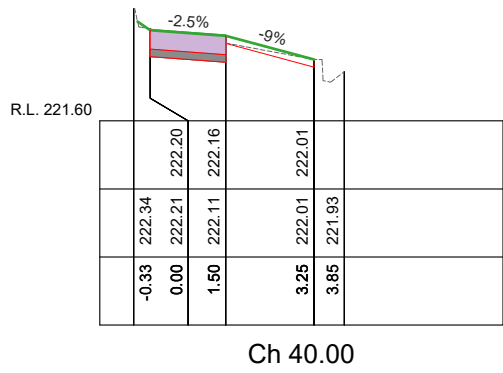
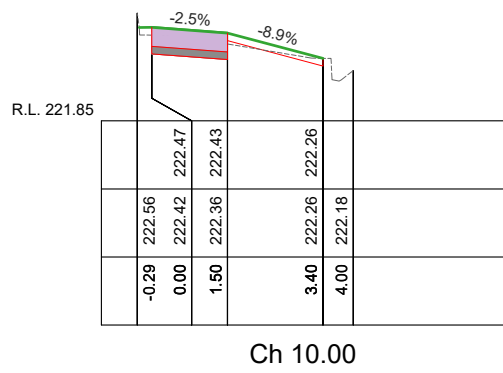
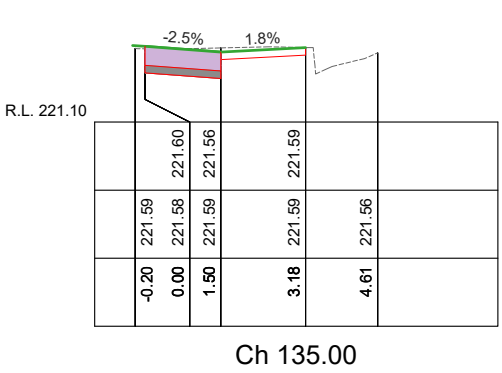
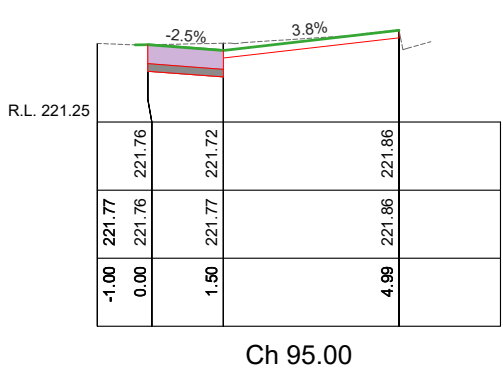
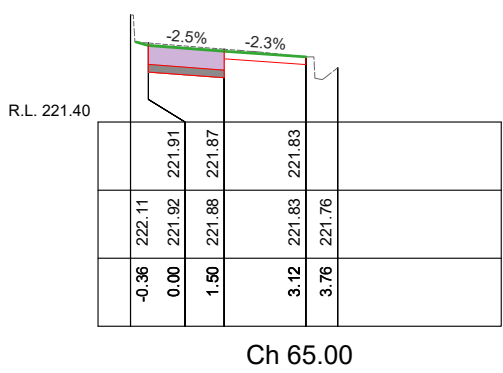
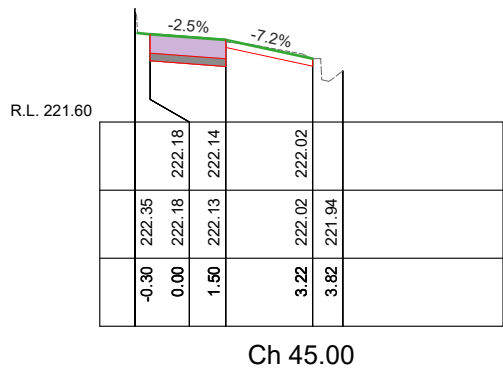
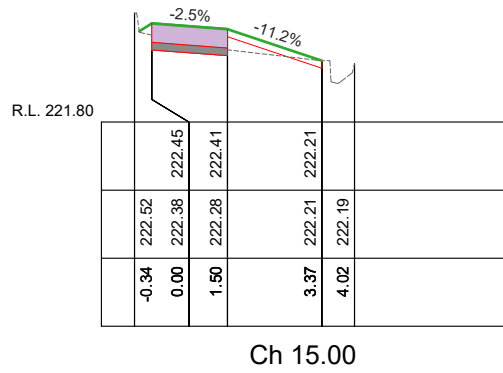
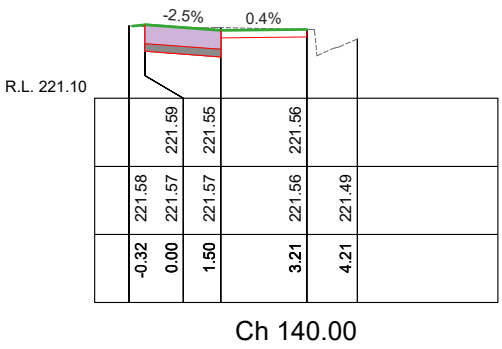
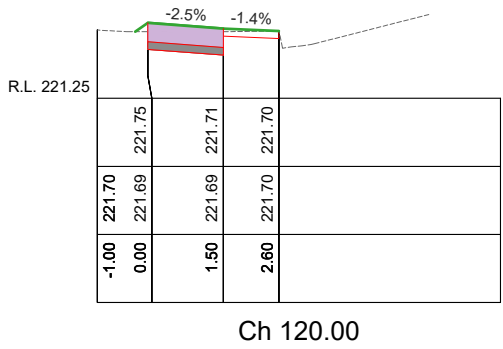
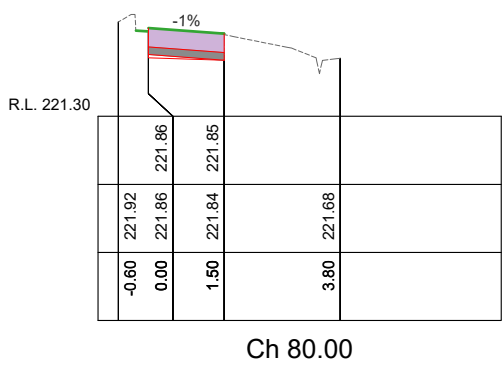
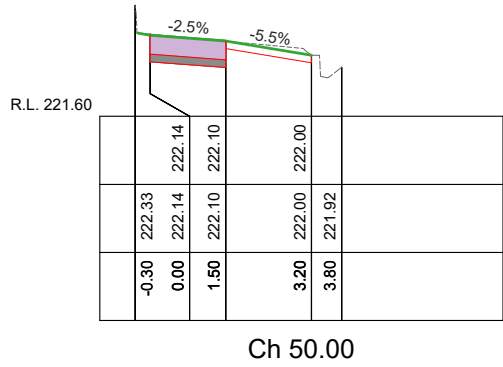
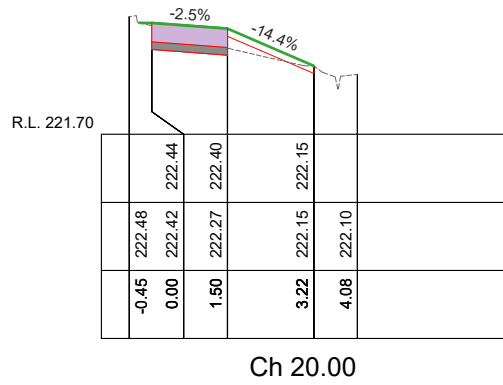
CITY OF GREATER
BENDIGO

PROJECT DESIGN STATUS		
Surveyor:	D. Meades	26/04/2024
Designer:	A. Smith	16/06/2024
Draft Checked:	x.xxx	xx/xx/2024
Tender Approved:	N. Sartori	xx/xx/2024

PRELIMINARY DESIGN
DRAFT 3

PROJECT DETAILS	
Location:	High Street
Suburb:	Bendigo
Works:	Footpath Renewal
GB No:	GB5330

SHEET DETAILS			
DETAIL LAYOUT & LONG SECTION		Sheet number: 6 of 10	
		Plan Scale: 1:250	A3
		Plotted: 01/07/2024 By: Andrew Smith	
SHEET REVISIONS AFTER TENDER			
Revision	Description	Approved by	Date
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-	-	-	-



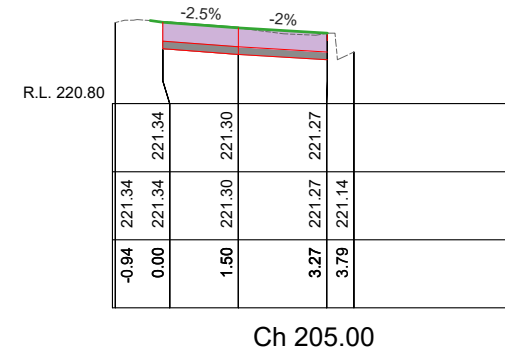
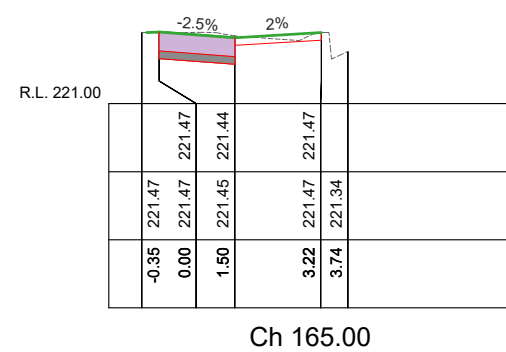
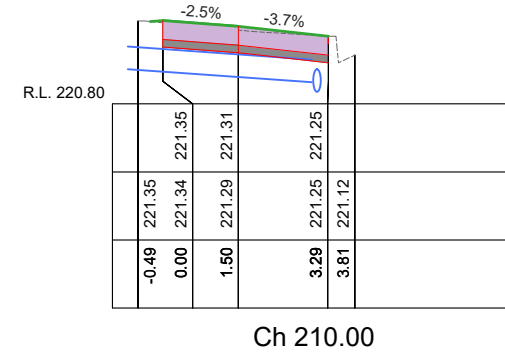
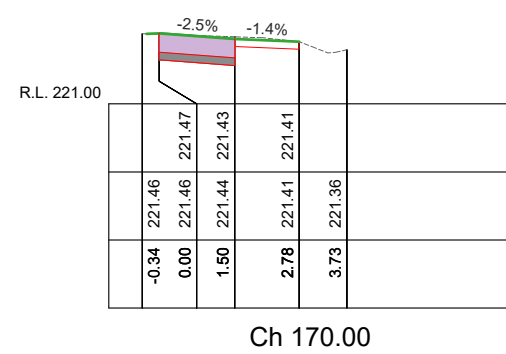
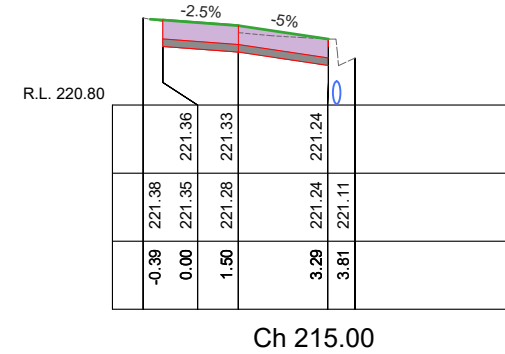
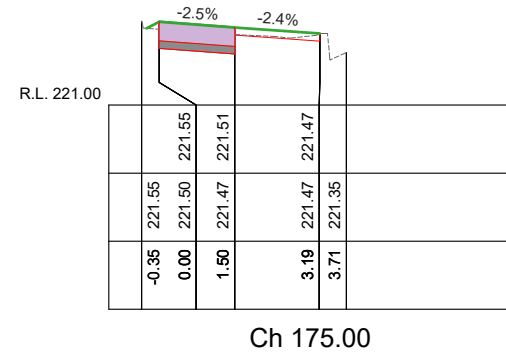
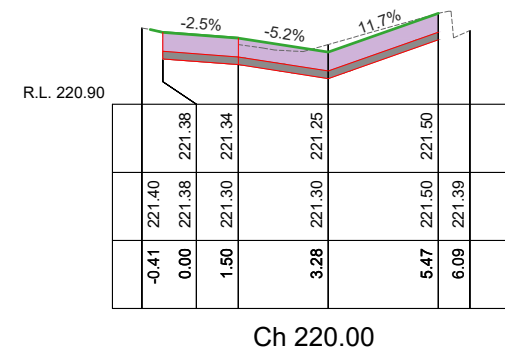
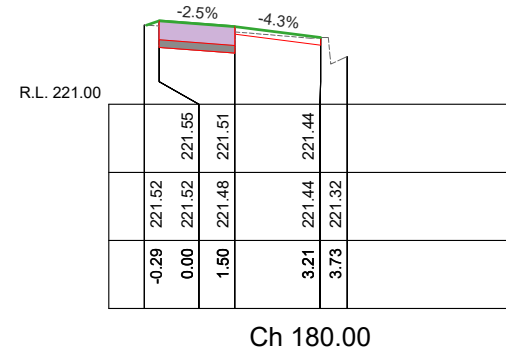
FP CROSS SECTIONS
SCALES: H 1:150 V 1:50 (A3)



PROJECT DESIGN STATUS		
Surveyor:	D. Meades	26/04/2024
Designer:	A. Smith	16/06/2024
Draft Checked:	x.xxx	xx/xx/2024
Tender Approved:	N. Sartori	xx/xx/2024
PRELIMINARY DESIGN DRAFT 3		

PROJECT DETAILS	
Location:	High Street
Suburb:	Bendigo
Works:	Footpath Renewal
GB No:	GB5330

SHEET DETAILS		
CROSS SECTIONS		Sheet number: 7 of 10
		Plan Scale: AS SHOWN A3
		Plotted: 01/07/2024 By: Andrew Smith
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
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-	-	-
-	-	-



SCALES: H 1:150 V 1:50 (A3)



CITY OF GREATER
BENDIGO

PRELIMINARY DESIGN
DRAFT 3

PROJECT DESIGN STATUS

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PROJECT DETAILS

Location:

High Street

Suburb:

Bendigo

Works:

Footpath Renewal

GB No:

GB5330

SHEET DETAILS

CROSS SECTIONS

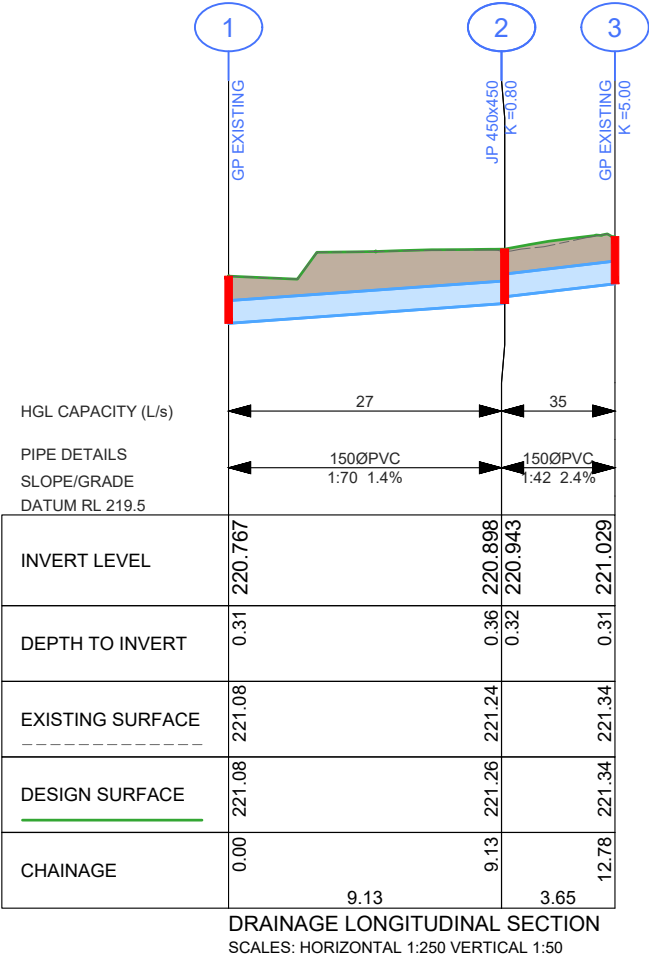
Sheet number: 8 of 10

Plan Scale: AS SHOWN A3

Plotted: 01/07/2024 By: Andrew Smith

SHEET REVISIONS AFTER TENDER

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



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	Comments
			(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	
1	GP EXISTING	Existing	-	-			150	220.767	0.312	221.079	
2	JP 450x450	CoGB SD 590 A-C-L-T	450	450	150	220.898	150	220.943	0.361	221.259	
3	GP EXISTING	Existing	-	-	150	221.029			0.311	221.340	
4	SEP 900x600	CoGB SD 590 A-C-G-T	900	600	300	-	-	-	-	-	

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: D. Meades26/04/2024

Designer: A. Smith16/06/2024

Draft Checked: x.xxxxx/xx/2024

Tender Approved: N. Sartorixx/xx/2024

PRELIMINARY DESIGN
DRAFT 3

PROJECT DETAILS

Location: High Street

Suburb: Bendigo

Works: Footpath Renewal

GB No: GB5330

SHEET DETAILS

DRAINAGE

Sheet number: 9 of 10

Plan Scale: AS SHOWN A3

Plotted: 01/07/2024 By: Andrew Smith

SHEET REVISIONS AFTER TENDER

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

STATION DATA				
Point #	Description	Easting	Northing	Level
901	PSM 1716	256068.387	5927901.252	229.211
902	STN 2	256194.133	5927702.080	221.529
903	STN 3	256248.052	5927765.398	221.435
904	STN 4	256159.256	5927666.263	221.781
905	STN 5	256082.032	5927570.711	222.599
906	STN 6	256080.550	5927571.628	222.600
907	STN 7	256080.889	5927624.684	222.579
910	STN 10	256176.159	5927685.197	221.637
911	STN 11	256205.370	5927719.859	221.441
912	STN 12	256267.088	5927747.818	220.935
913	PSM 726	256240.425	5927761.438	221.210
914	STN 14	256261.850	5927785.822	221.347