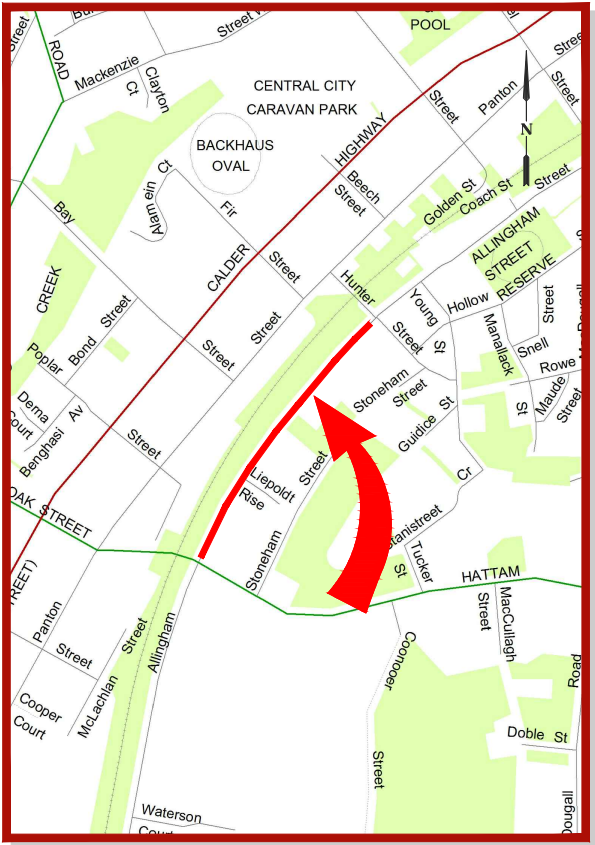


ALLINGHAM STREET, GOLDEN SQUARE

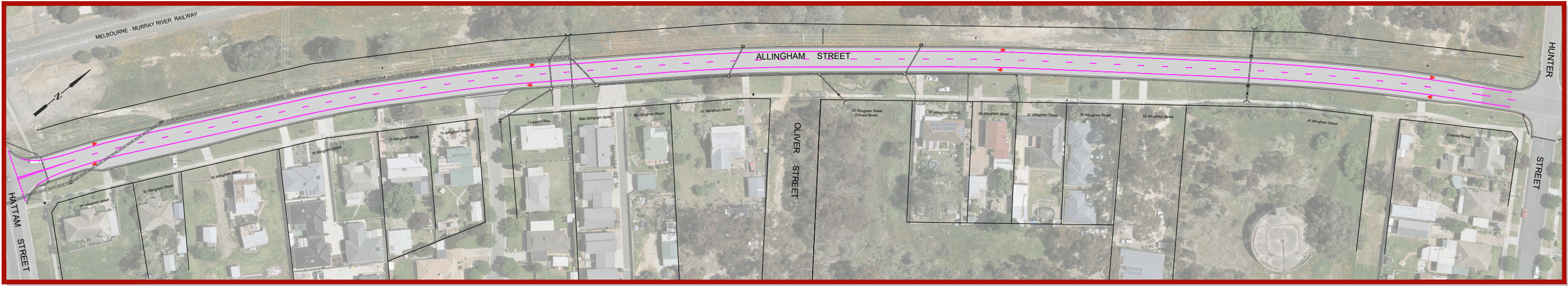
GB5253

ROAD RECONSTRUCTION MARCH 2024



LOCALITY MAP

DOCUMENT CONTROL				
SHEET No.	SHEET DESCRIPTION.	20/3/24	x/x/24	xx/x/24
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A	-	-
2	GENERAL NOTES & TYPICAL SECTION	A	-	-
3	GEOMETRIC LAYOUT & CONTROL	A	-	-
4 - 10	DETAIL LAYOUT	A	-	-
11 - 12	LONGITUDINAL SECTION	A	-	-
13 - 15	CROSS SECTIONS	A	-	-



PROJECT EXTENTS

	PROJECT PLANNING REQUIREMENTS				 CITY OF GREATER BENDIGO	PROJECT DESIGN STATUS			PROJECT TITLE			SHEET DETAILS			
	Item	Required	Comments	Contractor		Surveyor	D. MEADE	DEC. 2023	Location: ALINGHAM STREET GOLDEN SQUARE ROAD RECONSTRUCTION GB5253	COVER SHEET	Sheet: 1 OF 15		A3	Plot Date:20/03/2024 By:Leigh Oliver	
	Vegetation	No	-			Designer	L. OLIVER	JAN. 2024							
	DTP	Yes	For comment only			Draft Checked	A. SMITH	19/3/24							
	CMA	No	-			Tender Approved	N. SARTORI	xx/xx/24							
	Planning Permit	No	-			PRELIMINARY DESIGN DRAFT 2			AMENDMENTS						
	Land Acquisition	No	-						Revision	Description	Approved by	Date			
	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
- 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 Surfacing

INCIDENTAL CONSTRUCTION

- 701 Underground Stormwater Drains
- 703 General Concrete Paving
- 705 Drainage Pits and Covers
- 706 Installation or Replacement of Utility Infrastructure within Road Reserves
- 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 Work 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	-	
DTP	Yes	For comment only	
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

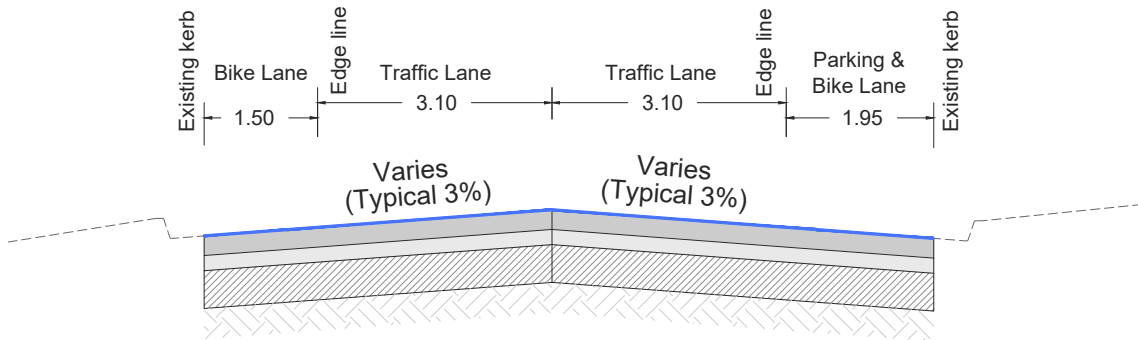
A Site Environmental Management Plan (SEMP) is to be developed by delivery units to manage the project site during the project delivery window. Consideration shall be given to appropriate management of the following, with a SEMP plan filled out and displayed onsite at all times:

- 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.

TYPICAL ROAD SECTION - PAVEMENT - TYPE A (Allingham Street)



PAVEMENT - TYPE A (Allingham Street)			
KEY	LAYER	DEPTH	THICKNESS
	Wearing	14/7	2 Coat Primerseal, Size 14mm & Size 7mm, C170 Binder
	Base	130mm	CL1 FCR 20mm compacted to 100%MMDD at 85%OMC +/- 1%
	Sub Base	100mm	CL3 FCR 20mm compacted to 98%MMDD at 55%OMC +/- 1%
	Stabilisation	250mm	Existing subgrade material Refer: *C Insitu Stabilisation Notes
	Subgrade		Existing subgrade (CBR > 4)
			480mm

*C Insitu Stabilisation Notes

- Profile existing asphalt and seal wearing layer, dispose offsite at suitable location
- Profile existing pavement, salvage areas of quality Class 2 FCR and reuse as a top up layer prior to stabilisation.
- Prepare subgrade levels to 50mm below design subgrade formation and top up with 50mm depth existing quality FCR (from step 2) prior to insitu stabilisation.
- Insitu stabilise using Triple blend GB cement / Slag / Limestone (30/40/30 15kg/m³) compact to 97% MMDD +/-3% of OMC.



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.

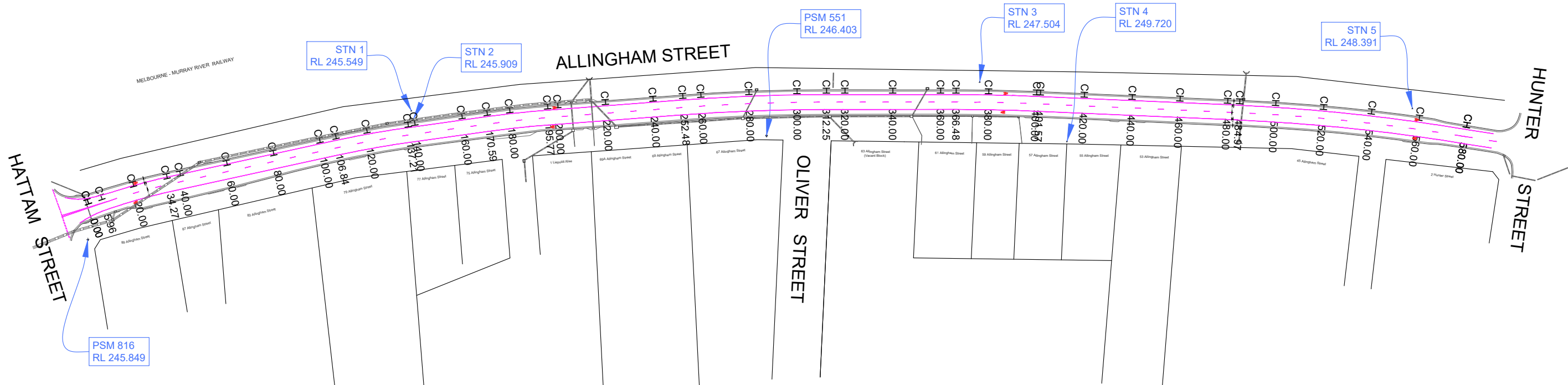
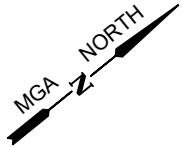


PROJECT DESIGN STATUS		
Surveyor	D. MEADE	DEC. 2023
Designer	L. OLIVER	JAN. 2024
Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
GENERAL NOTES & TYPICAL SECTION		Sheet:	2 OF 15
		Scale:	- A3
Plot Date:20/03/2024 By:Leigh Oliver			
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



STATION DATA				
Point #	Description	Easting	Northing	Level
901	STN 1	254988.214	5926083.888	245.549
902	STN 2	254991.416	5926082.316	245.909
903	STN 3	255128.591	5926276.135	247.504
904	STN 4	255170.859	5926288.866	249.720
905	STN 5	255251.124	5926409.783	248.391
916	PSM 816	254944.719	5925944.961	245.849
951	PSM 551	255089.751	5926192.845	246.403

SURVEY NOTES
Survey has been conducted to:

- MGA 2020 Z55 and orientated via PM816 & PM1257
- Survey level has been set to AHD via PM816

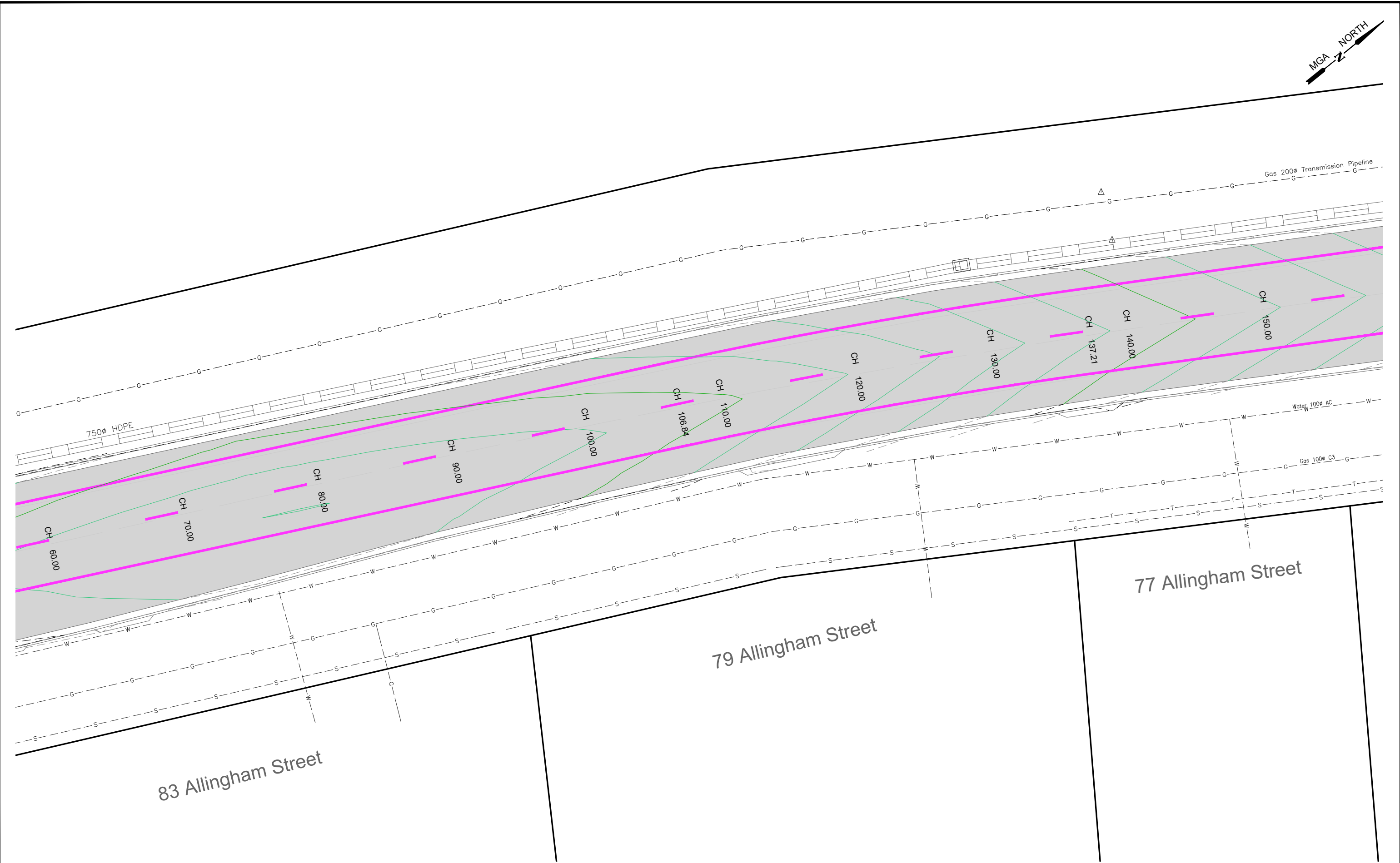


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Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
OVERALL LAYOUT & CONTROL		Sheet:	3 OF 15
		Scale:	1:1750
		Plot Date:	20/03/2024 By: Leigh Oliver
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



LEGEND

 DESIGN CONTOURS
- Levels to AHD (0.10m interval)

 EXISTING CONTOURS
- Levels to AHD (0.10m interval)

 Road Pavement:
As per typical detail pg2

 Linemarking

 Sawcut



CITY OF GREATER
BENDIGO

PROJECT DESIGN STATUS

Surveyor	D. MEADE	DEC. 2023
Designer	L. OLIVER	JAN. 2024
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Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE

ALINGHAM STREET
GOLDEN SQUARE
ROAD RECONSTRUCTION
GB5253

Location:

Suburb:

Works:

Reference:

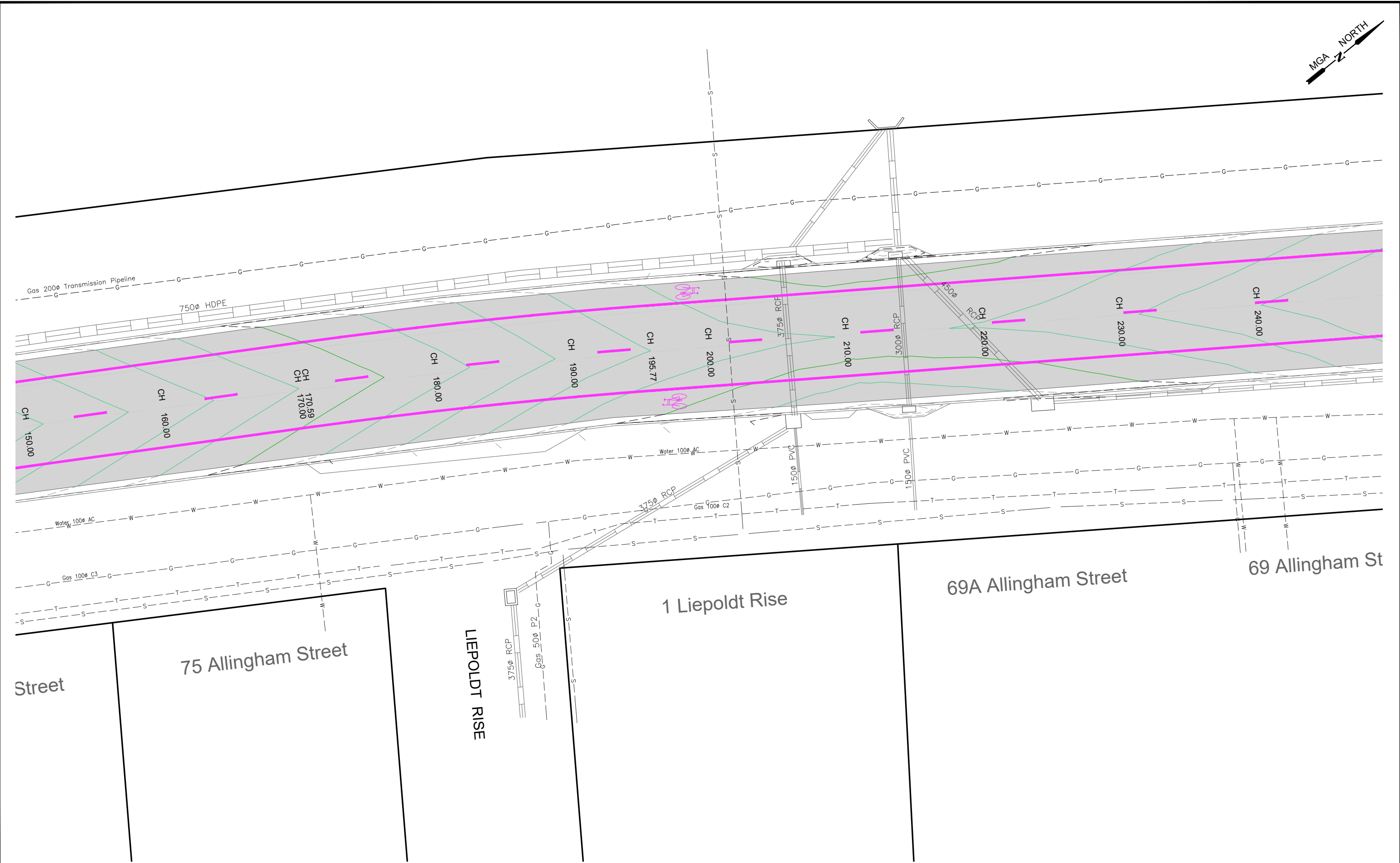
SHEET DETAILS

DETAIL LAYOUT

Sheet: 5 OF 15
Scale: 1:250
Plot Date: 20/03/2024 By: Leigh Oliver

AMENDMENTS

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



LEGEND	
 DESIGN CONTOURS - Levels to AHD (0.10m interval)	 Road Pavement: As per typical detail pg2
 EXISTING CONTOURS - Levels to AHD (0.10m interval)	 Linemarking
	 Sawcut



CITY OF GREATER
BENDIGO

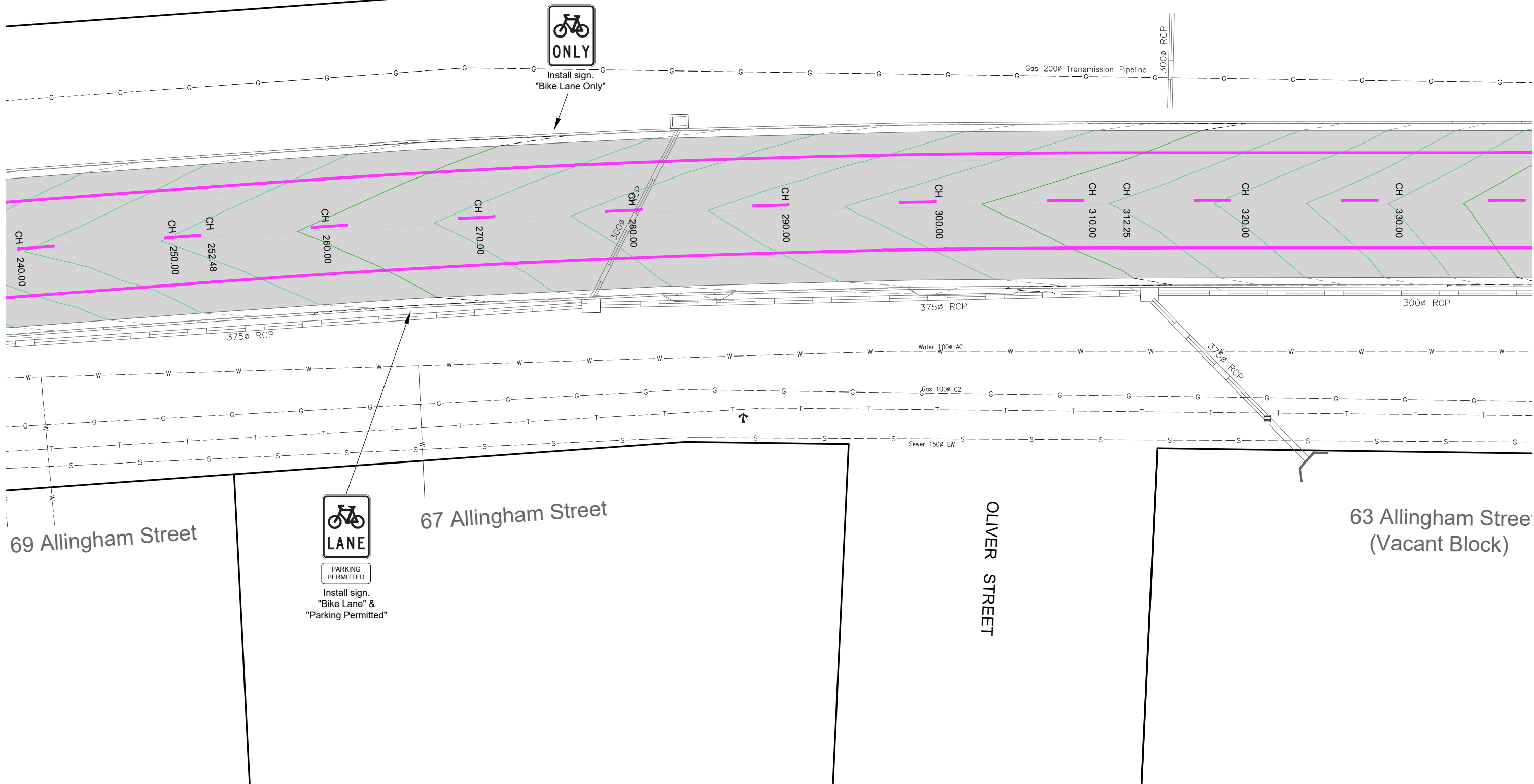
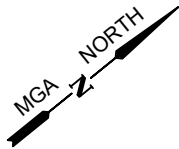
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Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN

DRAFT 2

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
DETAIL LAYOUT		Sheet:	6 OF 15
		Scale:	1:250 A3
Plot Date:20/03/2024 By:Leigh Oliver			
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



LEGEND

- 

DESIGN CONTOURS
- Levels to AHD (0.10m interval)
- 

EXISTING CONTOURS
- Levels to AHD (0.10m interval)
- 

Road Pavement:
As per typical detail pg2
- 

Linemarking
- 

Sawcut

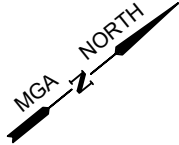


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Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
DETAIL LAYOUT		Sheet: 7 OF 15	
		Scale: 1:250	
		A3	
Plot Date:20/03/2024 By:Leigh Oliver			
AMENDMENTS			
Revision	Description	Approved by	Date
-		-	-
-		-	-



Allingham Street
/acant Block)

61 Allingham Street

59 Allingham Street

57 Allingham Street

55 Allingham Str



PARKING
PERMITTED

Install sign.
"Bike Lane" &
"Parking Permitted"

LEGEND

- 

DESIGN CONTOURS
- Levels to AHD (0.10m interval)
- 

EXISTING CONTOURS
- Levels to AHD (0.10m interval)
- 

Road Pavement:
As per typical detail pg2
- 

Linemarking
- 

Sawcut

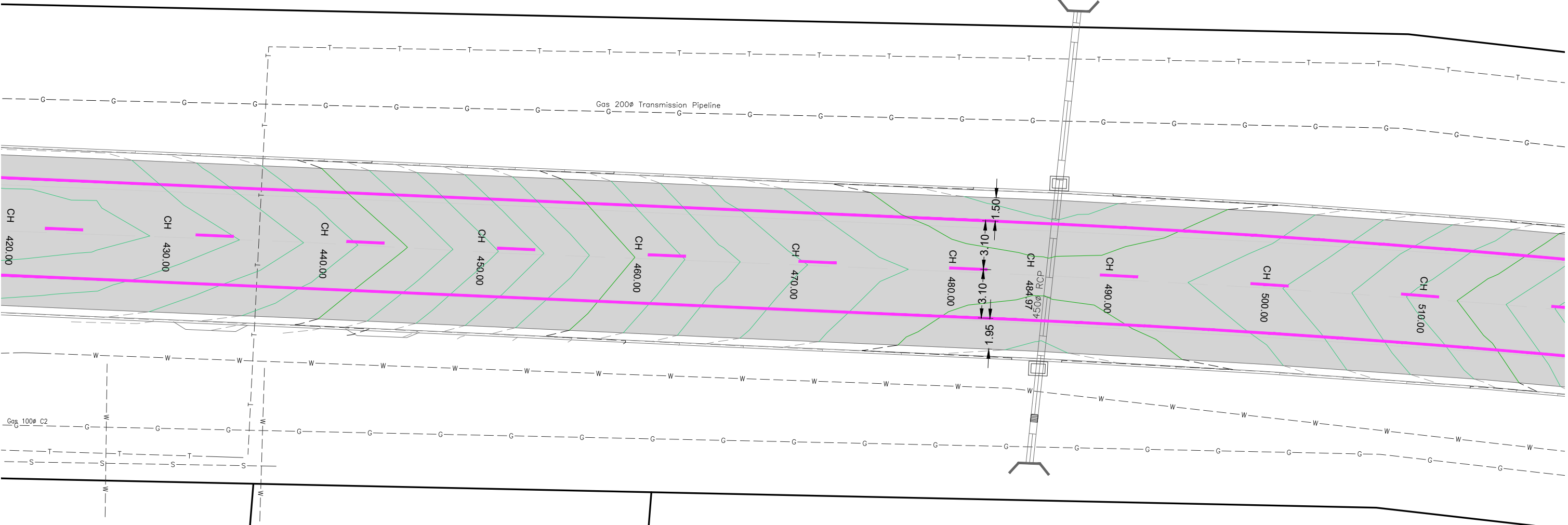
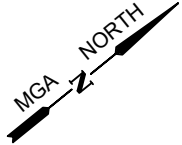


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Designer	L. OLIVER	JAN. 2024
Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
DETAIL LAYOUT		Sheet:	8 OF 15
		Scale:	1:250
		Plot Date:	20/03/2024 By: Leigh Oliver
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



5 Allingham Street

53 Allingham Street

45 Allingham St

LEGEND

- 

DESIGN CONTOURS
- Levels to AHD (0.10m interval)
- 

EXISTING CONTOURS
- Levels to AHD (0.10m interval)
- 

Road Pavement:
As per typical detail pg2
- 

Linemarking
- 

Sawcut

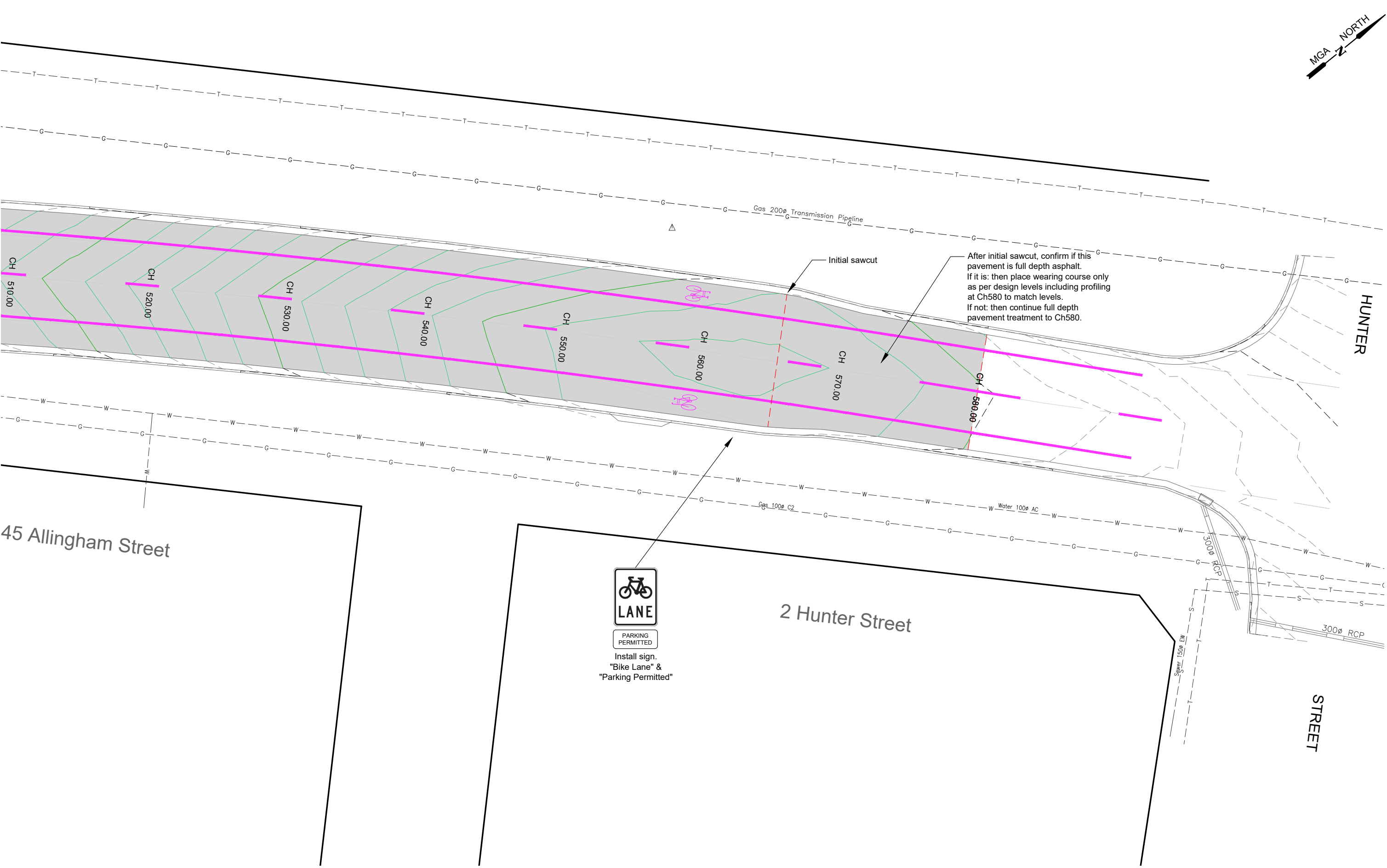
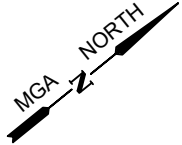


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Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
DETAIL LAYOUT		Sheet:	9 OF 15
		Scale:	1:250 A3
Plot Date:20/03/2024 By:Leigh Oliver			
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



45 Allingham Street

2 Hunter Street

STREET

HUNTER

LEGEND

DESIGN CONTOURS
- Levels to AHD (0.10m interval)

EXISTING CONTOURS
- Levels to AHD (0.10m interval)

Road Pavement:
As per typical detail pg2

Linemarking

Sawcut

PROJECT DESIGN STATUS

Surveyor	D. MEADE	DEC. 2023
Designer	L. OLIVER	JAN. 2024
Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

PRELIMINARY DESIGN
DRAFT 2

PROJECT TITLE

ALINGHAM STREET
GOLDEN SQUARE
ROAD RECONSTRUCTION
GB5253

Location:

Suburb:

Works:

Reference:

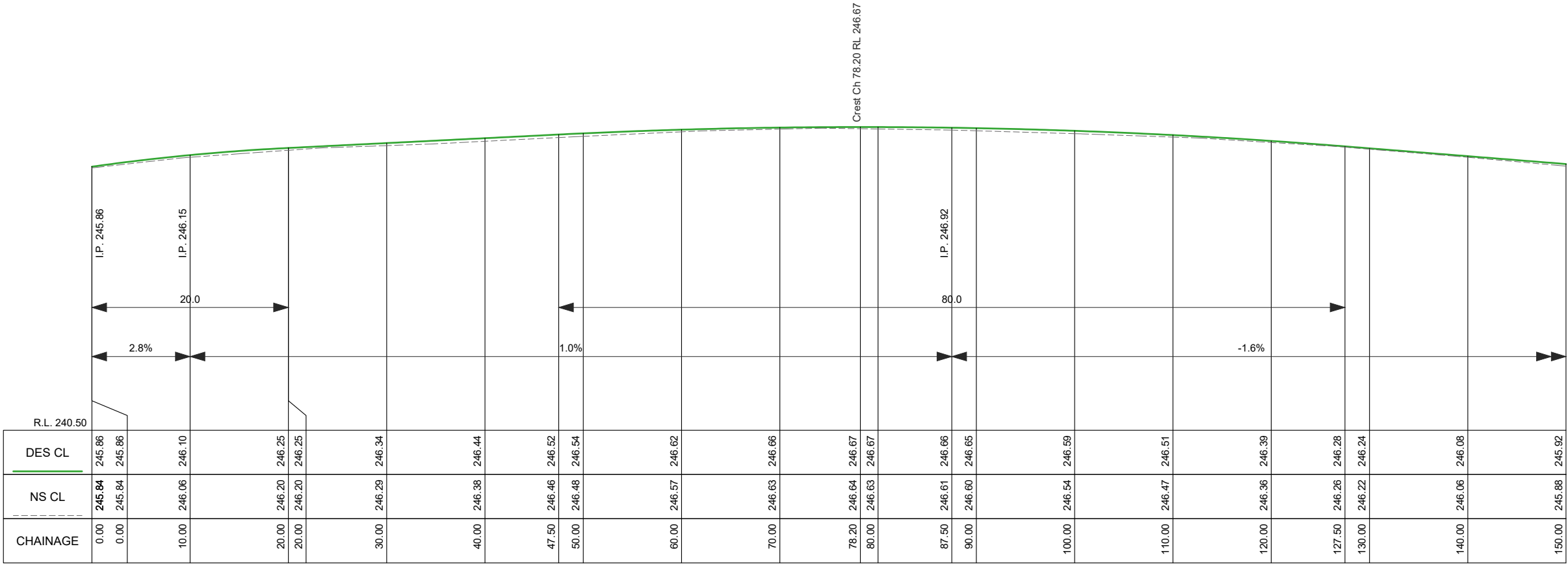
SHEET DETAILS

DETAIL LAYOUT

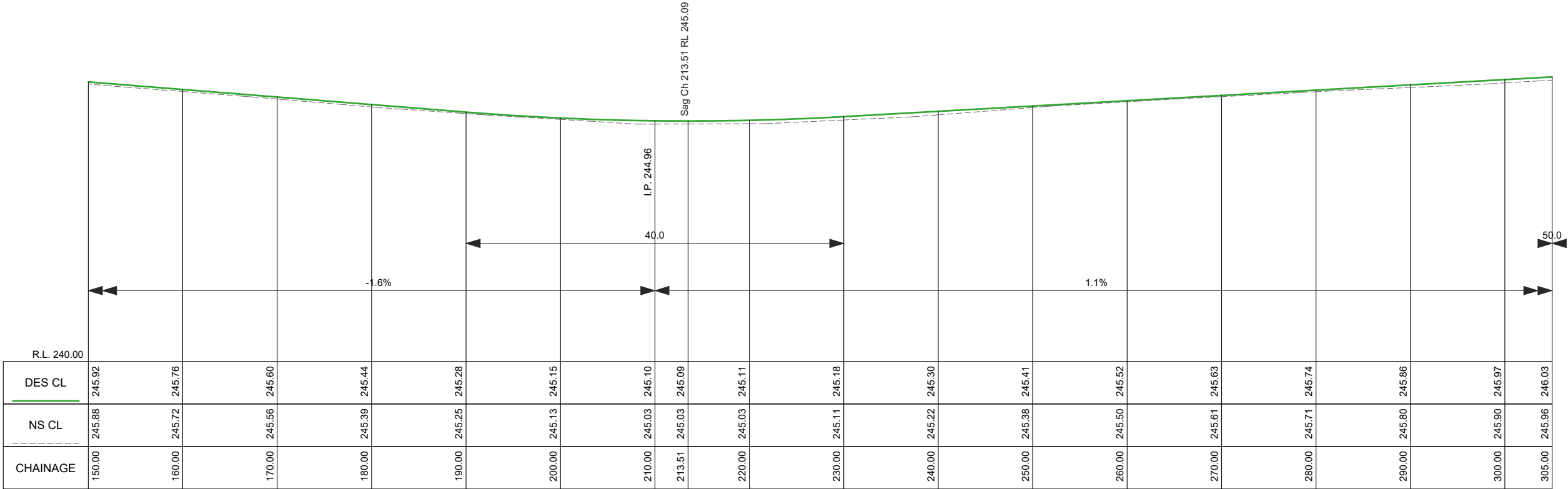
Sheet: 10 OF 15
Scale: 1:250
Plot Date: 20/03/2024 By: Leigh Oliver

AMENDMENTS

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



ALLINGHAM STREET LONGITUDINAL SECTION CH 0.000 To 150.000
SCALES: H 1:500 V 1:100 (A3)



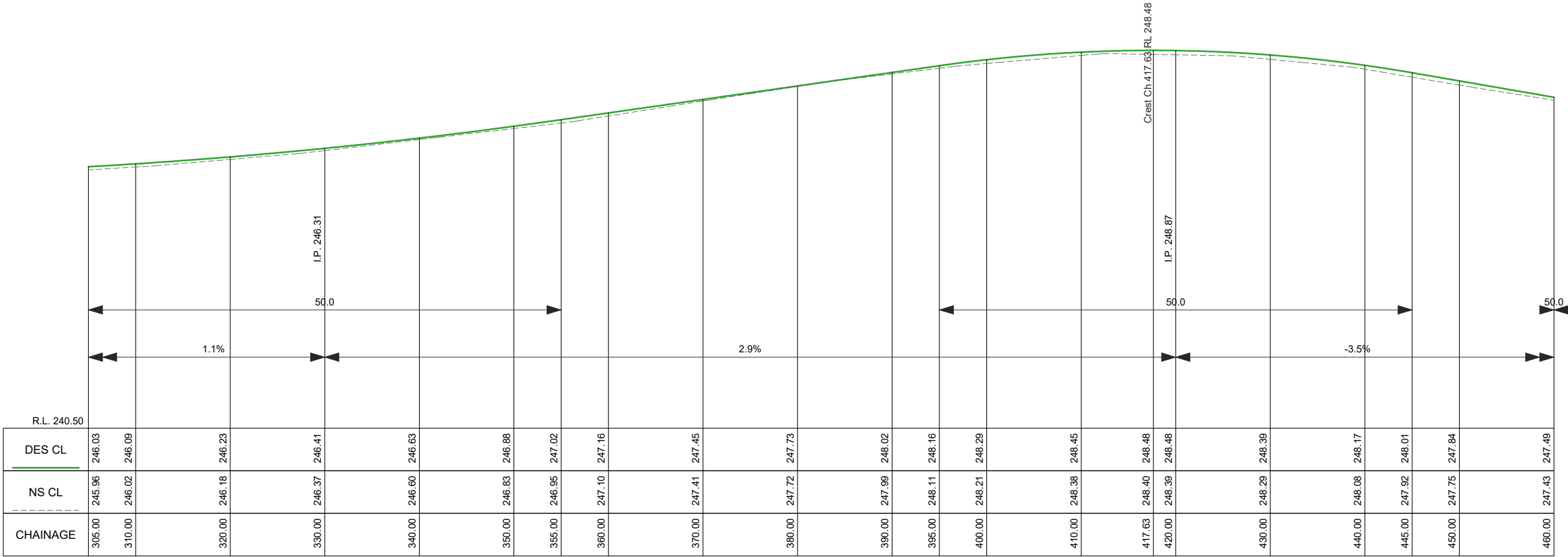
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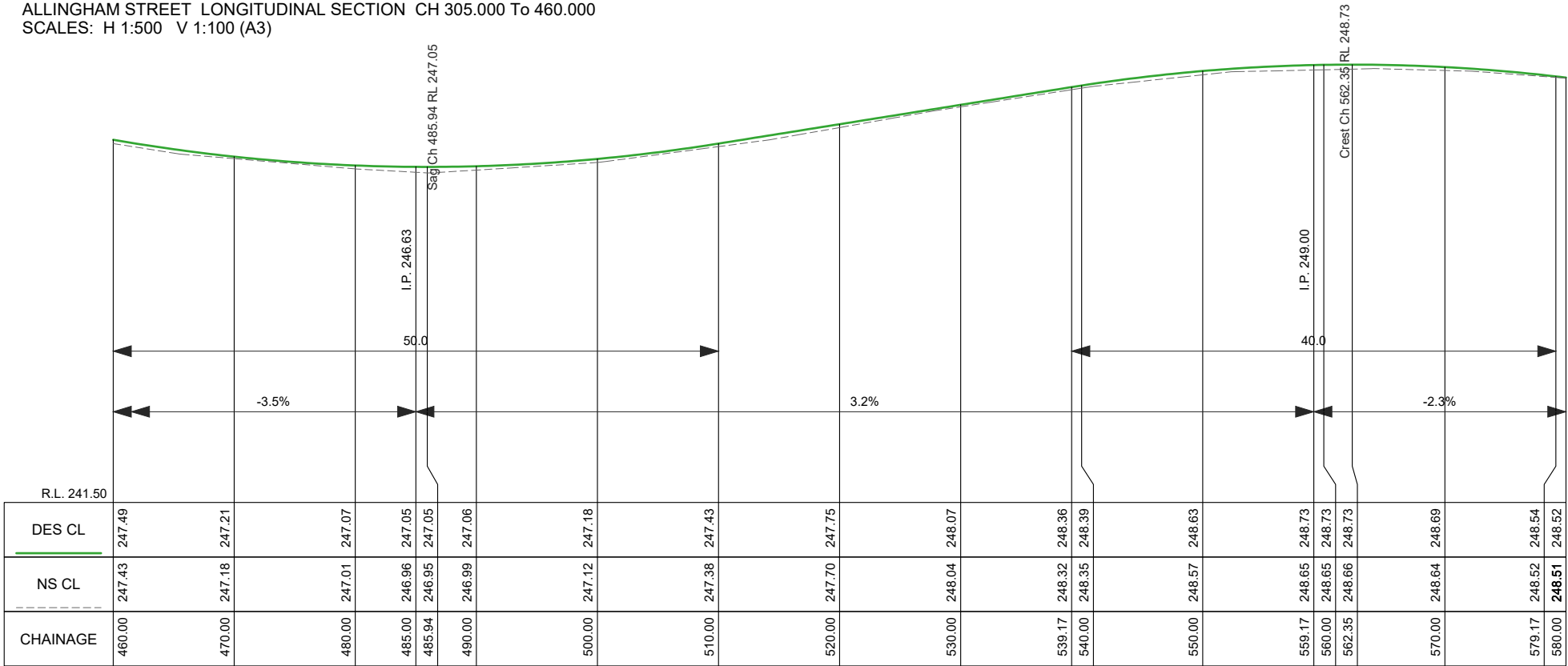
PROJECT DESIGN STATUS		
Surveyor	D. MEADE	DEC. 2023
Designer	L. OLIVER	JAN. 2024
Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24
PRELIMINARY DESIGN DRAFT 2		

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

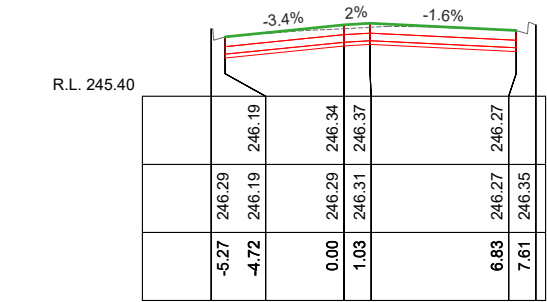
SHEET DETAILS			
LONGITUDINAL SECTION		Sheet: 11 OF 15	
		Scale: AS SHOWN A3	
		Plot Date:20/03/2024 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-		-	-
-		-	-



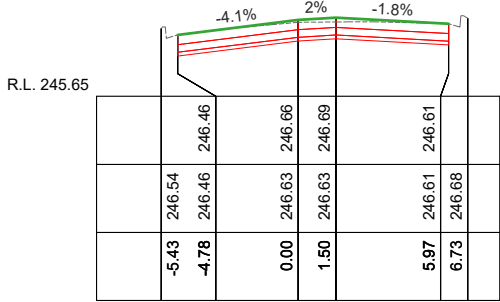
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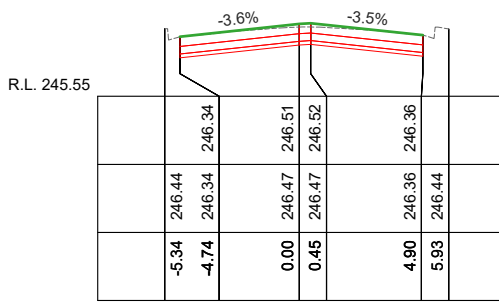
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SCALES: H 1:500 V 1:100 (A3)



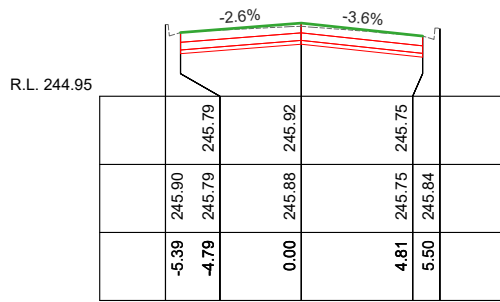
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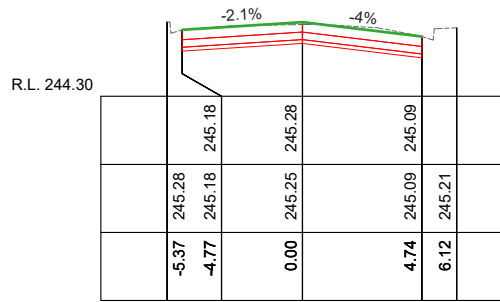
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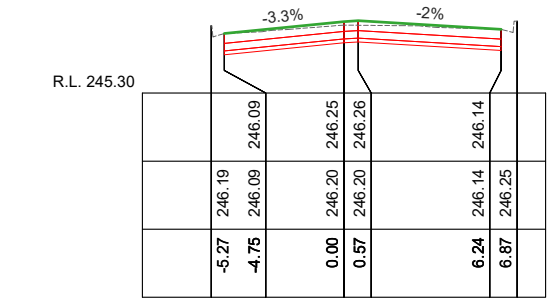
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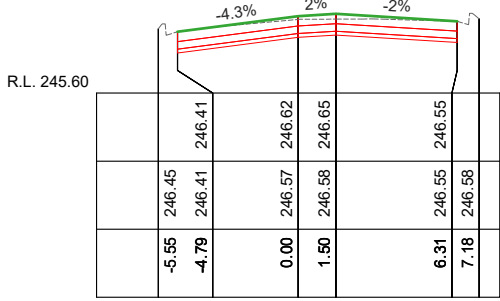
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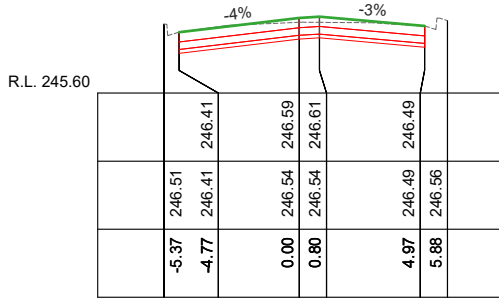
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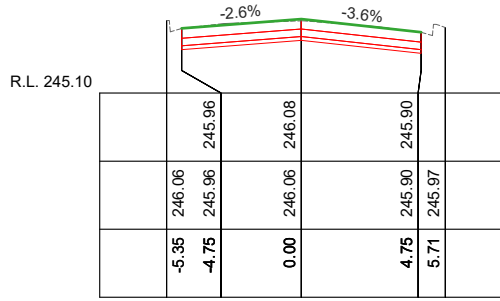
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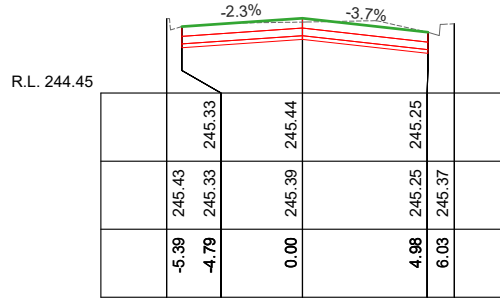
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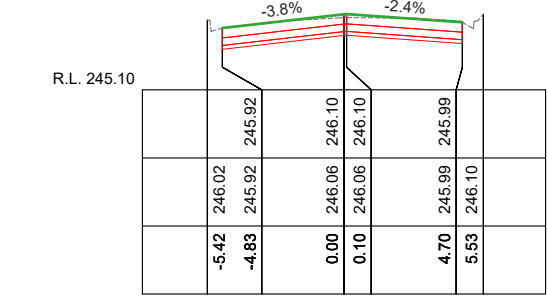
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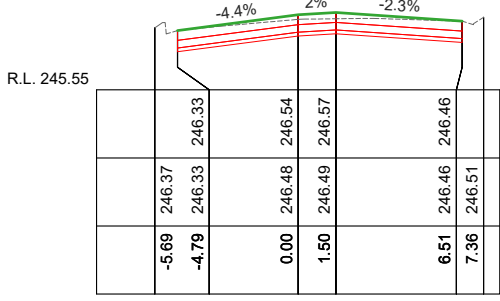
Ch 140.00



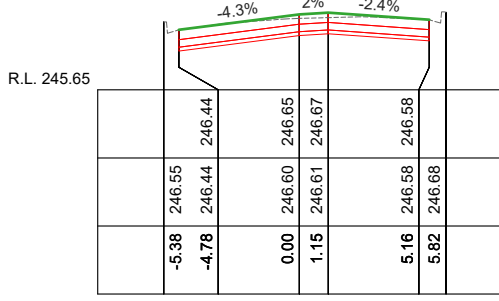
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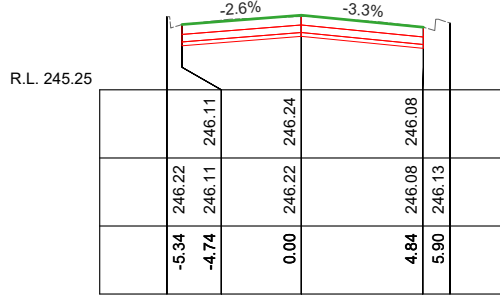
Ch 10.00



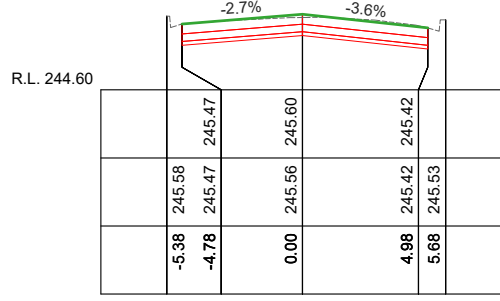
Ch 50.00



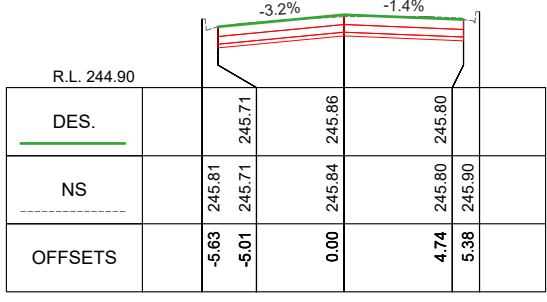
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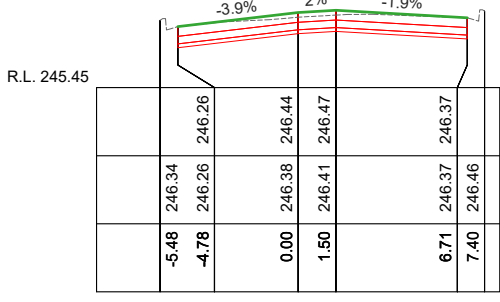
Ch 130.00



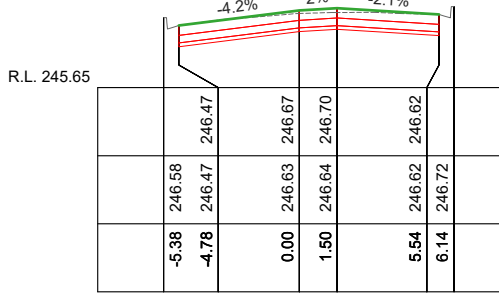
Ch 170.00



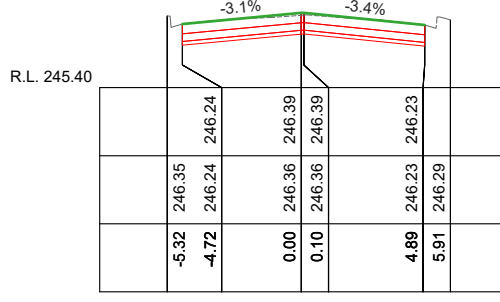
Ch 0.00



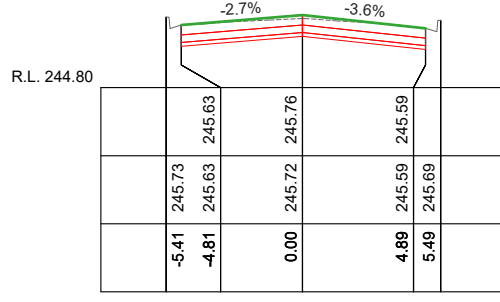
Ch 40.00



Ch 80.00



Ch 120.00



Ch 160.00

SCALES: H 1:300 V 1:100 (A3)

DES.					
NS					
OFFSETS					

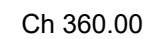
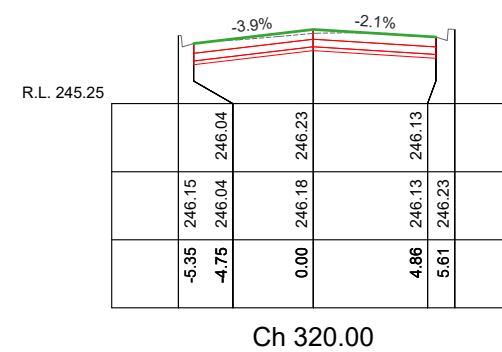
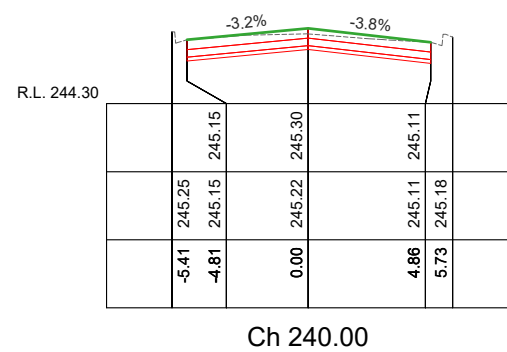
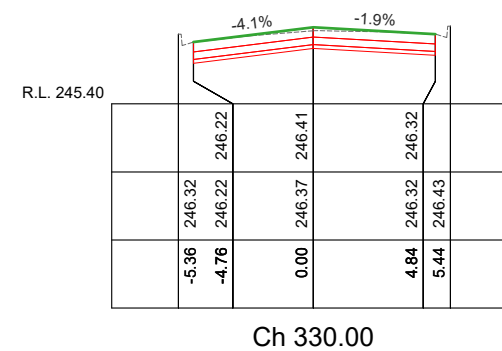
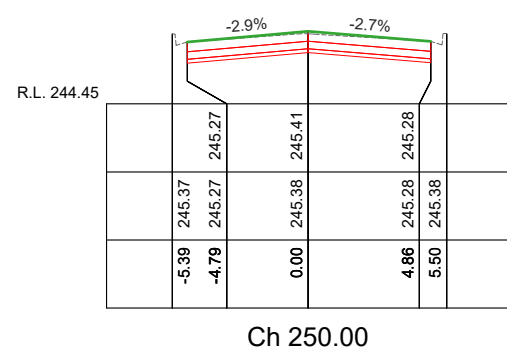
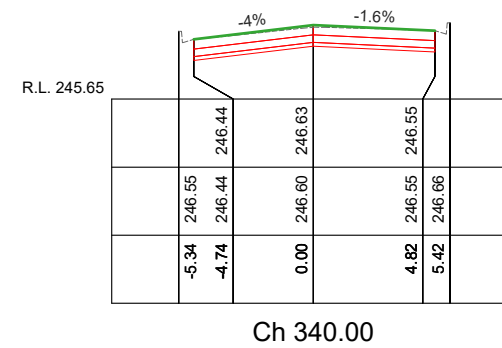
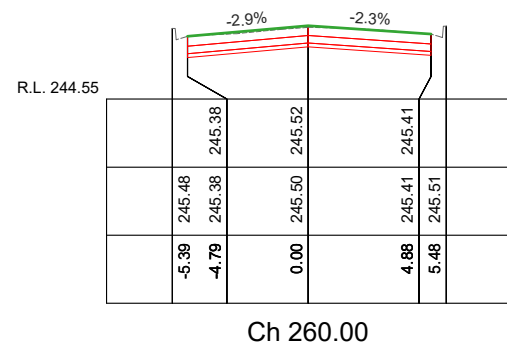
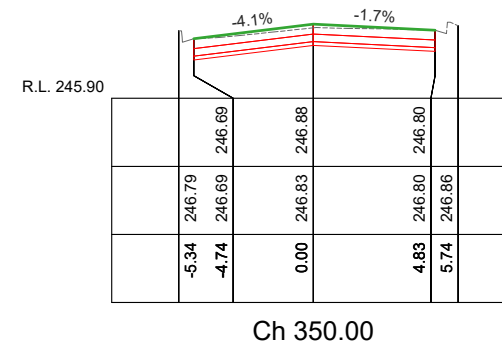
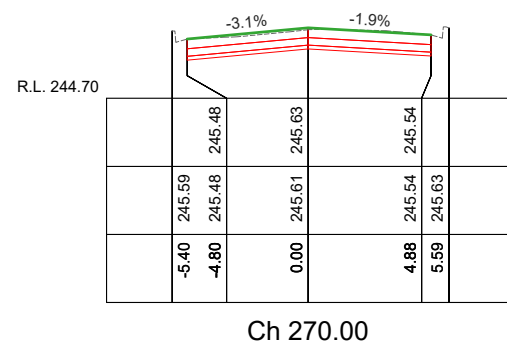


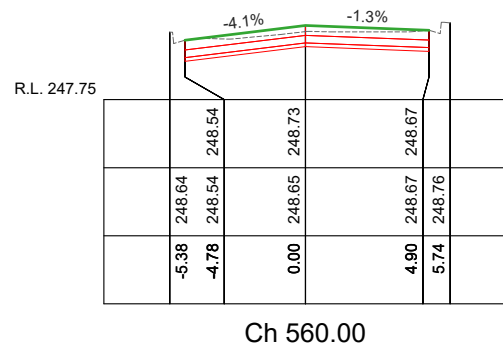
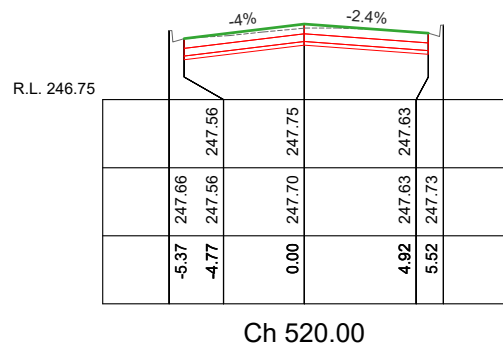
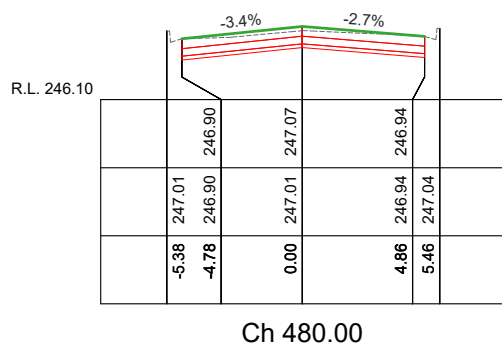
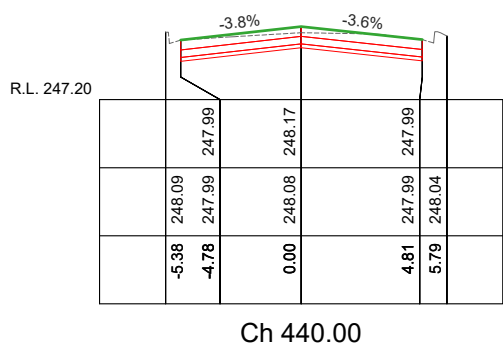
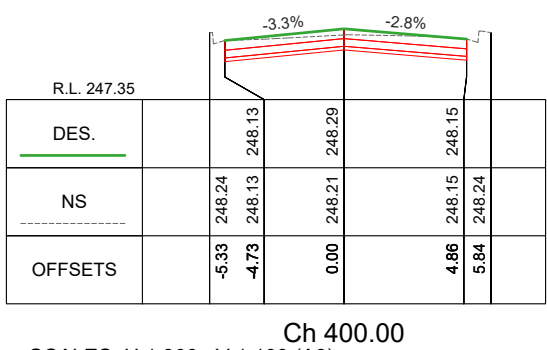
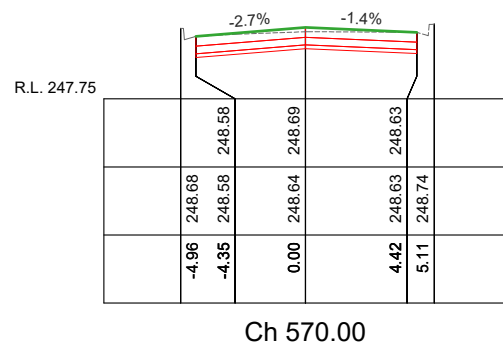
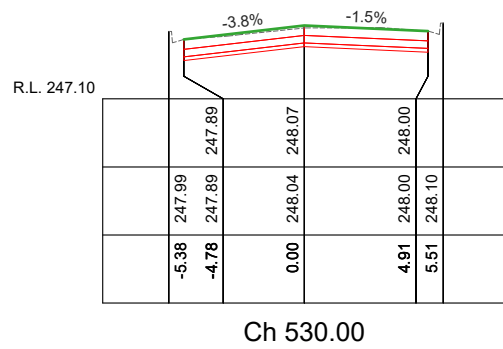
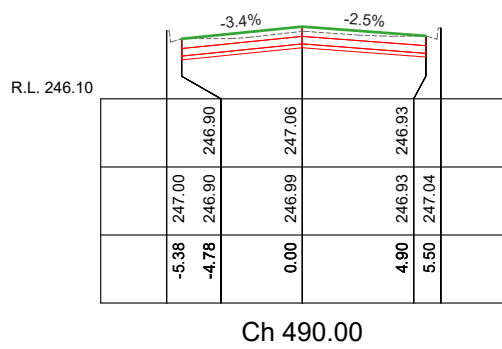
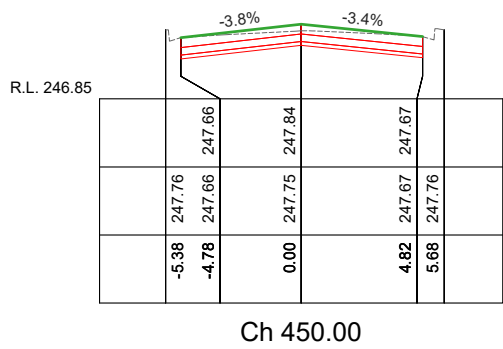
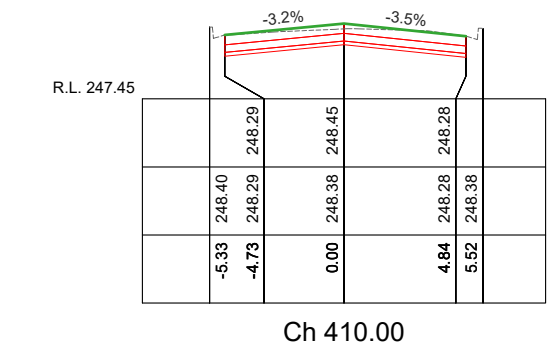
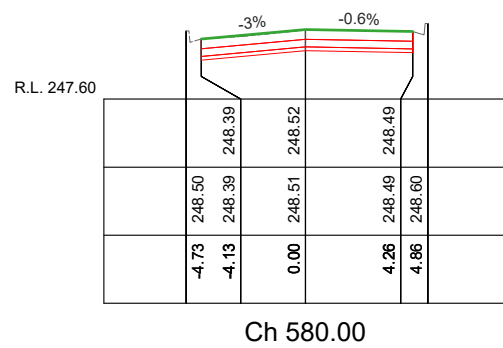
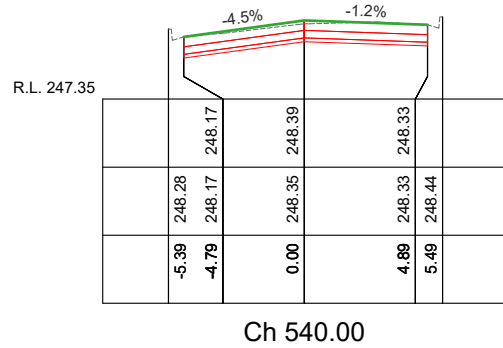
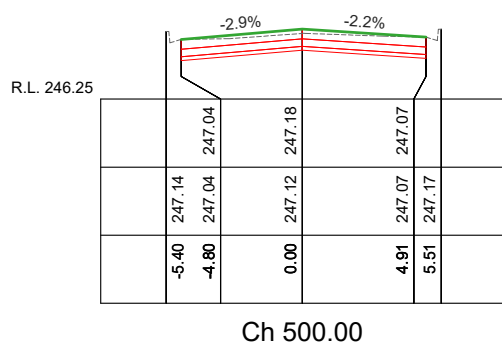
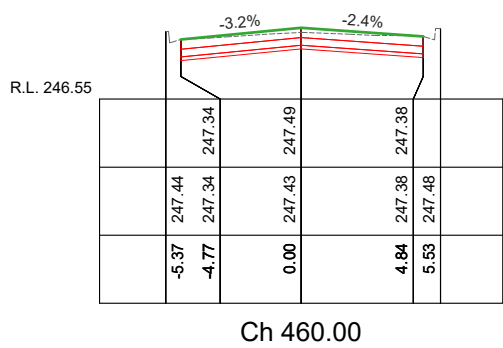
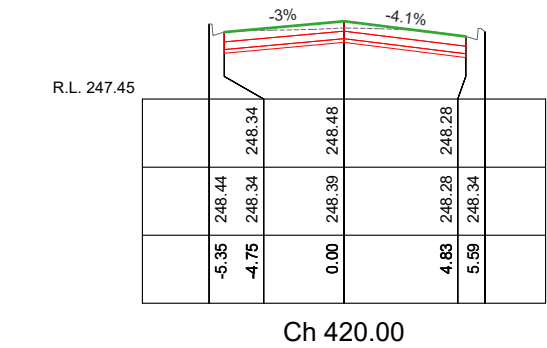
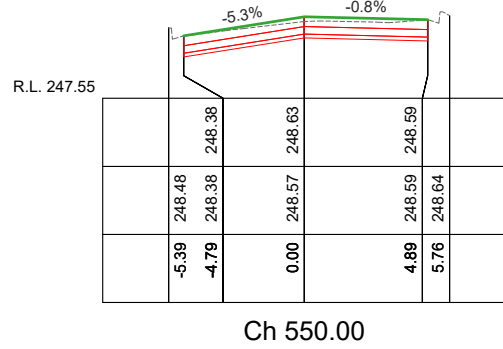
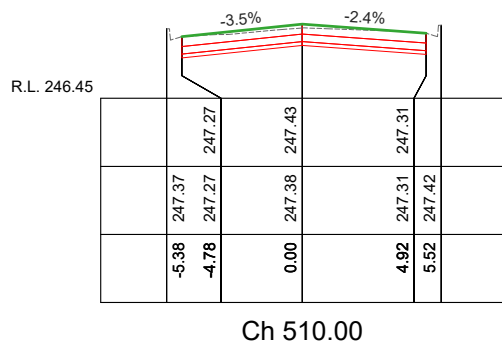
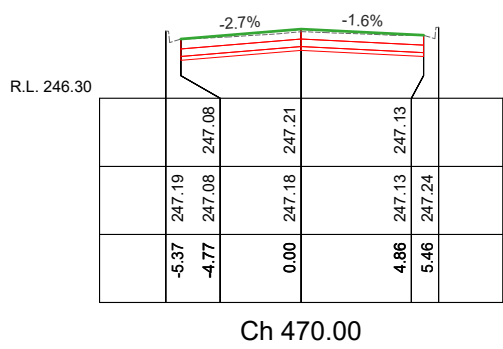
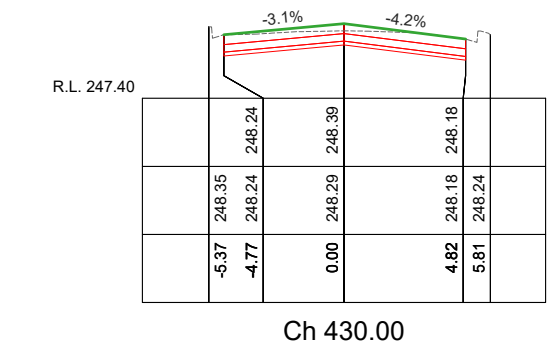
PROJECT DESIGN STATUS		
Surveyor	D. MEADE	DEC. 2023
Designer	L. OLIVER	JAN. 2024
Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24

**PRELIMINARY DESIGN
DRAFT 2**

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
CROSS SECTIONS		Sheet:	13 OF 15
		Scale:	AS SHOWN A3
		Plot Date:20/03/2024 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-





SCALES: H 1:300 V 1:100 (A3)



CITY OF GREATER
BENDIGO

PROJECT DESIGN STATUS		
Surveyor	D. MEADE	DEC. 2023
Designer	L. OLIVER	JAN. 2024
Draft Checked	A. SMITH	19/3/24
Tender Approved	N. SARTORI	xx/xx/24
PRELIMINARY DESIGN DRAFT 2		

PROJECT TITLE	
Location:	ALINGHAM STREET
Suburb:	GOLDEN SQUARE
Works:	ROAD RECONSTRUCTION
Reference:	GB5253

SHEET DETAILS			
CROSS SECTIONS		Sheet: 15 OF 15	
		Scale: AS SHOWN A3	
		Plot Date:20/03/2024 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-