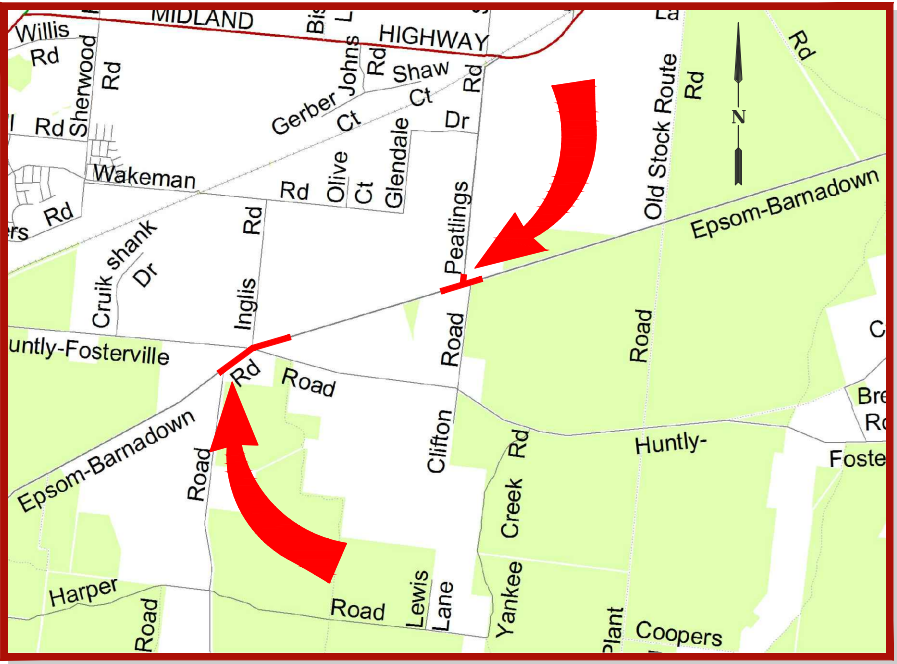


EPSOM - BARNADOWN ROAD, BAGSHOT

GB4363

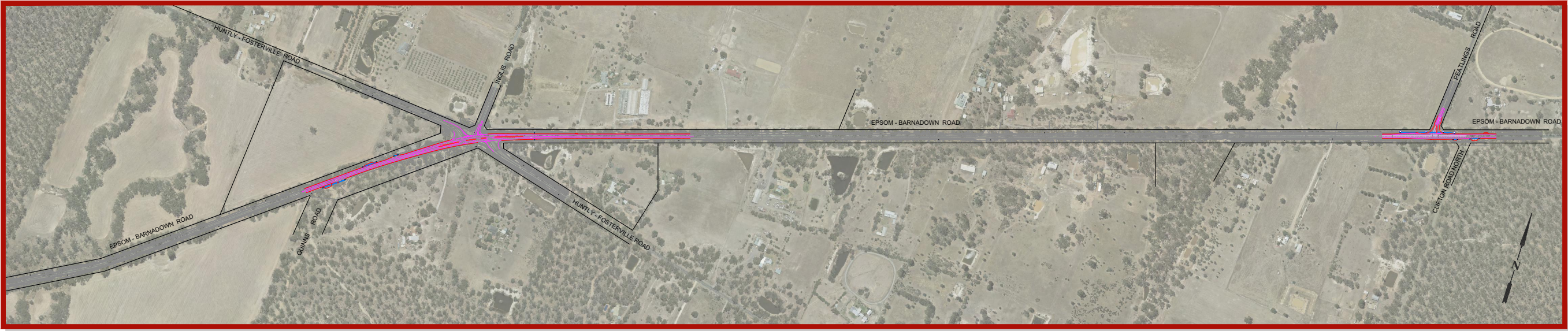
BLACKSPOT SAFETY UPGRADES SEPTEMBER 2023



LOCALITY MAP



DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	8/9/23	x/x/x	x/x/x
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES & TYPICAL DETAILS	A		
3	OVERALL LAYOUT & CONTROL	A		
4 - 7	DETAIL LAYOUT	A		
8 - 9	LIGHTING & SIGNAGE LAYOUT	A		
10 - 16	ROAD CROSS SECTIONS	A		
17	ROAD LONG SECTIONS	A		
18	PEATLINGS - KERB LONG SECTIONS	A		
19	DRAINAGE LONG SECTION	A		
X-X	X	A		



PROJECT EXTENTS

	PROJECT PLANNING REQUIREMENTS				 CITY OF GREATER BENDIGO	PROJECT DESIGN STATUS			PROJECT TITLE			SHEET DETAILS			
	Item	Required	Comments	Contractor		Surveyor	CUMMINS	AUG. 2019	Location: EPSOM - BARNADOWN RD Suburb: BAGSHOT Works: BLACKSPOT SAFETY UPGRADES Reference: GB4363	COVER SHEET		Sheet: 1 OF 19			
	Vegetation	Yes	Onsite Assessment Reqd.			Designer	L. OLIVER	AUG. 2023				Scale: - A3			
	RRV	No	-			Draft Checked	A. SMITH	xx/xx/23				Plot Date:08/09/2023 By:Leigh Oliver			
	CMA	No	-			Tender Approved	N. SARTORI	xx/xx/23							
	Planning Permit	No	-			PRELIMINARY DESIGN DRAFT 1.1			AMENDMENTS						
	Land Acquisition	No	-						Revision	Description	Approved by	Date			
	CHMP	No	-						-	-	-	-			
	Other	No	-						-	-	-	-			

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.

Sections of the DTP/Microads 200-700 series of standard specifications which are of particular relevance for this project include:

201 Site Clearing
204 Earthworks
205 Rock Fill

304 Unbound Flexible Pavement Construction

310 Preparation of Granular Pavements for Bituminous Surfacing

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

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

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.

1. Project permits and approvals which were required to be obtained prior to construction are listed in the below table
2. Construction activities must be compliant with all conditions within the listed permits and approvals.

PROJECT PLANNING REQUIREMENTS			
Item	Required	Comments	Contractor
Vegetation	Yes	Onsite Assessment Req'd.	
RRV	No	-	
CMA	No	-	
Planning Permit	No	-	
Land Acquisition	No	-	
CHMP	No	-	
Other	No	-	

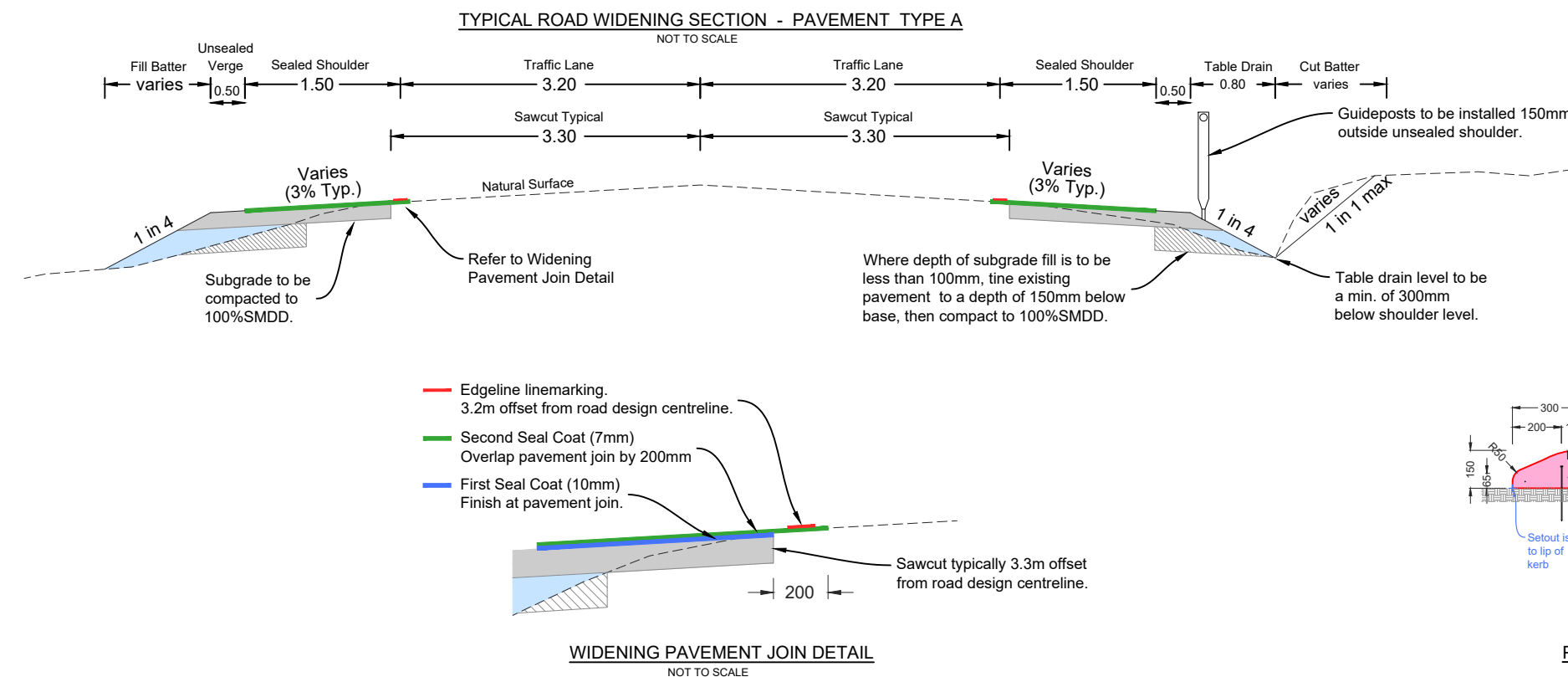
1. 'CoGB SD' are sourced from the City of Greater Bendigo
<https://www.bendigo.vic.gov.au/Services/Roads-and-Drainage/Roads/Construction-standards>
2. 'IDM SD' are sourced from the Infrastructure Design Manual
<https://www.designmanual.com.au/>
3. 'Vicroads SD' are sourced from Vicroads
<https://www.vicroads.vic.gov.au/business-and-industry/technical-publications/technical-drawings-for-roadworks/standard-drawings-for-roadworks>

- 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.

- 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

- 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

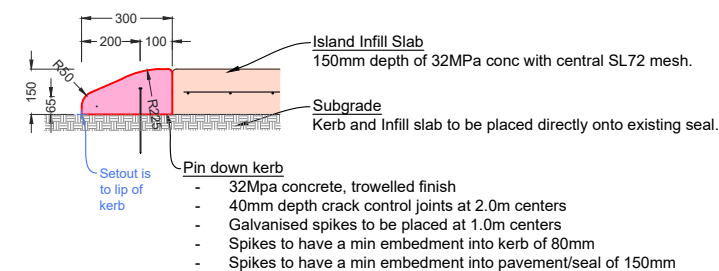
Where appropriate and prior to any works starting on site, delivery units must organise a AS1742.3 compliant traffic management plan, and have it approved by the relevant road authority.



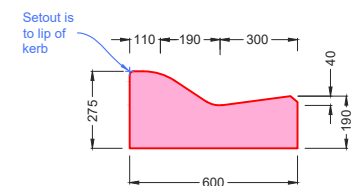
PAVEMENT TYPE A - ROAD WIDENING			
KEY	LAYER	DEPTH	THICKNESS
	Wearing	-	2 Coat Spray Seal, Size 10mm & Size 7mm, C170 Binder
	Base	130mm	CL1 FCR 20mm compacted to 100%MMDD at 85%OMC +- 1%
	Subgrade		
		130mm	

	PAVEMENT TYPE B - PEATLINGS INTERSECTION		
KEY	LAYER	DEPTH	THICKNESS
	Wearing	40mm	Type H Asphalt, Size 10mm, C320 Binder.
	Base	130mm	CL1 FCR 20mm compacted to 100%MMDD at 85%OMC +- 1%
	Sub Base	130mm	CL3 FCR 20mm compacted to 98%MMDD at 85%OMC +- 1%
	Subgrade **		Existing subgrade compacted to 98%SMDD
		300mm	** Existing material to be compacted to a min. density ratio of 98% standard max. dry

** Existing material to be compacted to a min. density ratio of 98% standard max. dry density and proof rolled. Excessive soft areas that do not improve under compaction to be removed and replaced with approved select fill achieving min. CBR 10.



PIN DOWN SM1 KERB DETAIL
1:25



SM2 KERB PROFILE



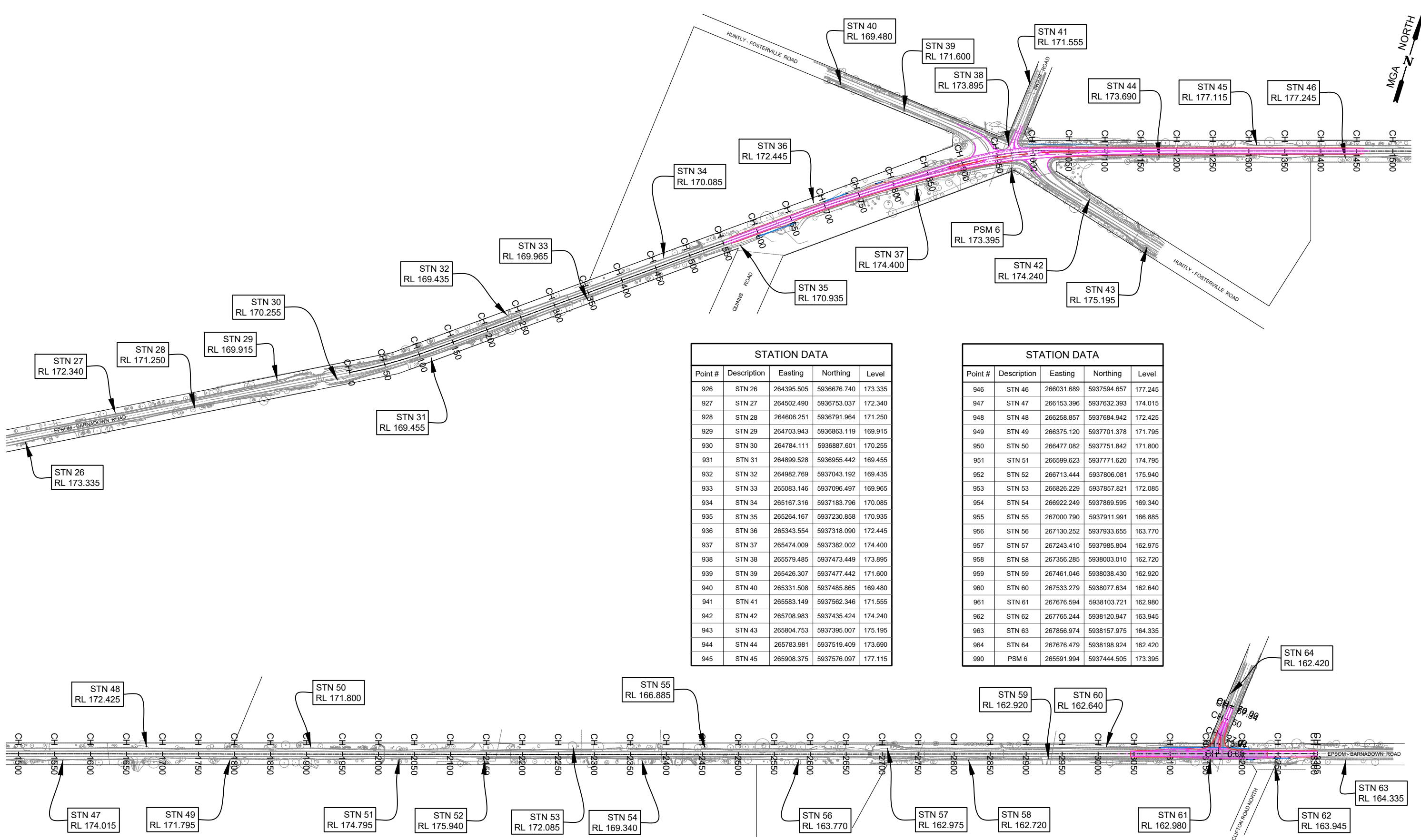
PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

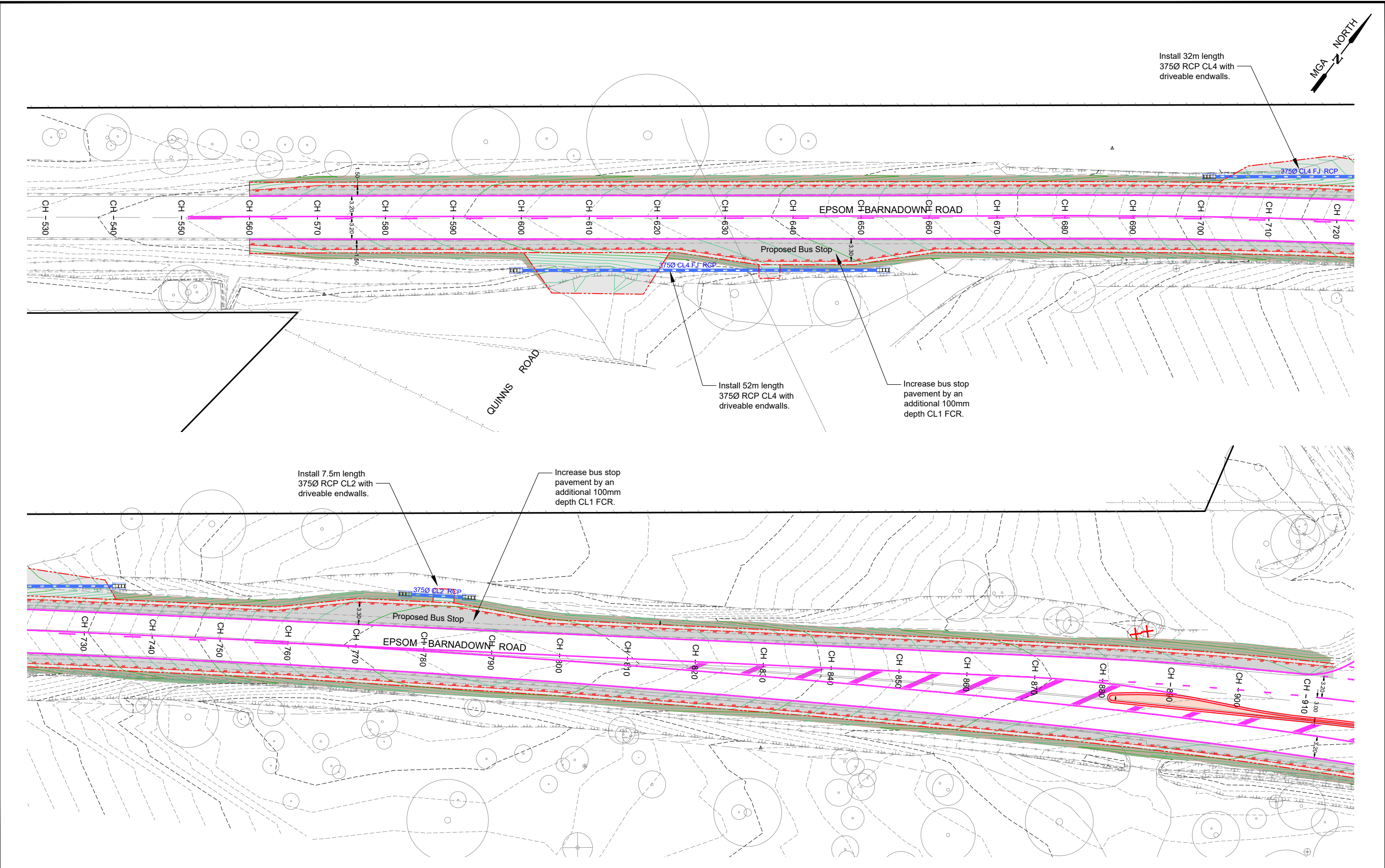
PRELIMINARY DESIGN

DRAFT 1.1

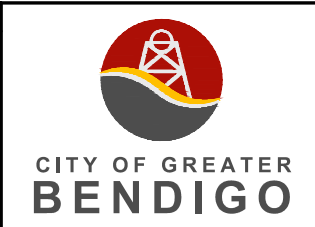
PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

SHEET DETAILS			
GENERAL NOTES & TYPICAL DETAILS		Sheet: 2 OF 19	
		Scale: -	A3
		Plot Date:08/09/2023 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-





LEGEND			
	DESIGN CONTOURS - Levels to AHD (0.10m interval)		DESIGN SEAL: Refer Sheet 2 - Pavement Type A
	EXISTING CONTOURS - Levels to AHD (0.10m interval)		DESIGN SEAL: Refer Sheet 2 - Pavement Type B
	Proposed Tree Removals		
	Concrete Kerb area: Normal plain Kerb as noted and as per: IDM SD100, CoGB SD190,191,192		
	Concrete island infill: Normal plain Conc. Slab as per IDM SD205 & 210		

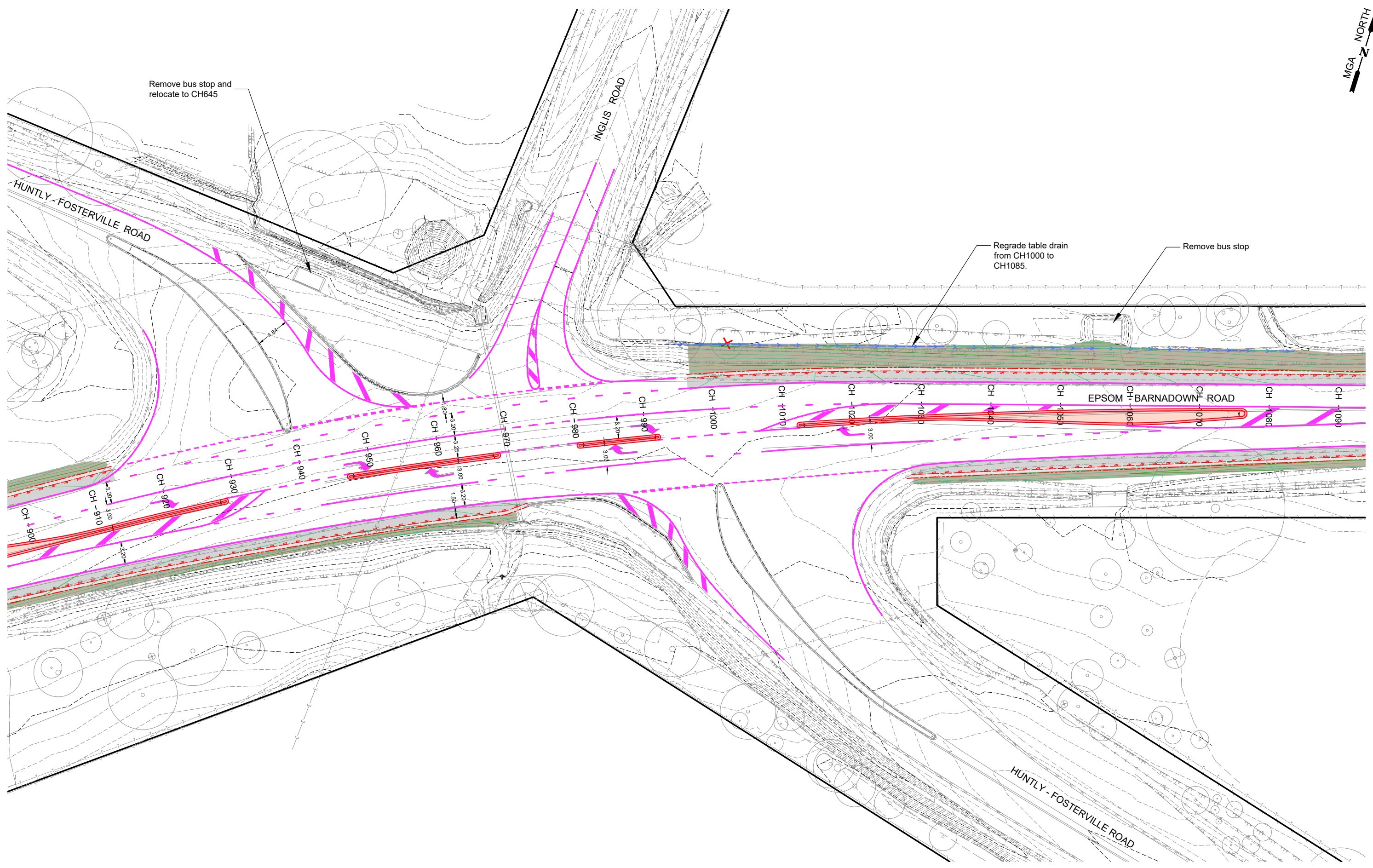


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

SHEET DETAILS			
DETAIL LAYOUT		Sheet:	4 OF 19
		Scale:	1:500
		Plot Date:	08/09/2023 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)
- Proposed Tree Removals
- Concrete Kerb area: Normal plain
Kerb as noted and as per: IDM SD100,
CoGB SD190,191,192
- Concrete island infill: Normal plain Conc.
Slab as per IDM SD205 & 210
- DESIGN EDGE OF SEAL
- DESIGN SHOULDER
- DESIGN INVERT
- DESIGN LINEMARKING
- DESIGN SEAL:
Refer Sheet 2 - Pavement Type A
- DESIGN SEAL:
Refer Sheet 2 - Pavement Type B

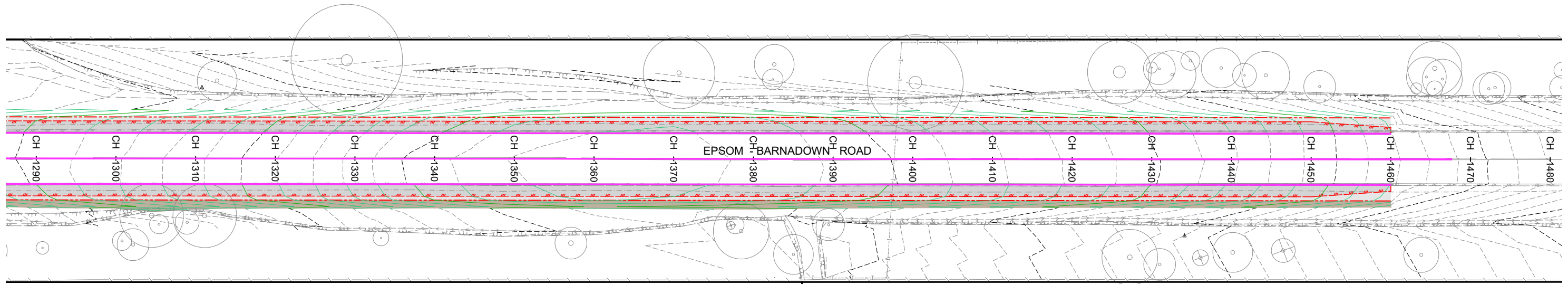
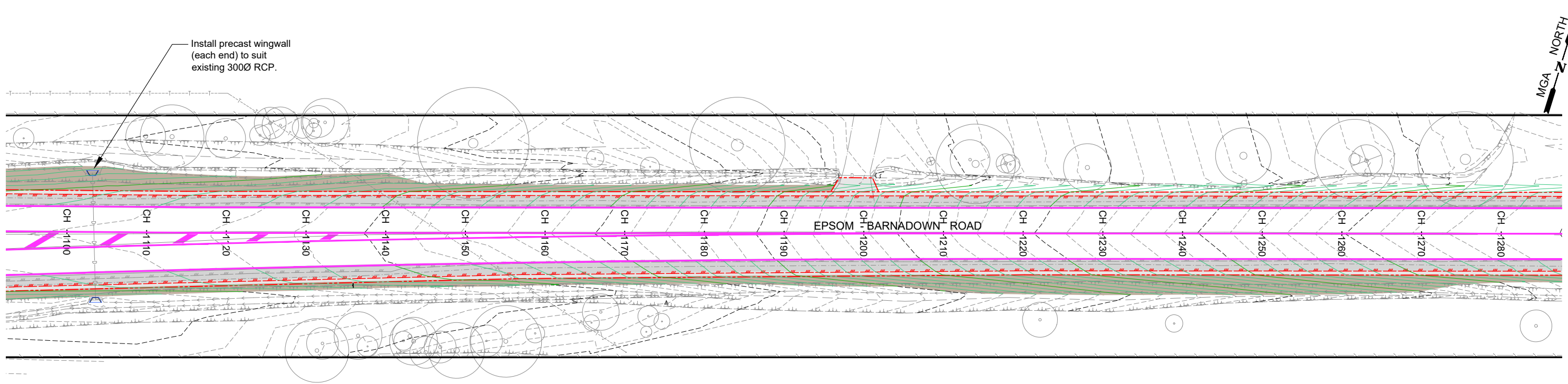


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

SHEET DETAILS				
DETAIL LAYOUT		Sheet:	5 OF 19	
		Scale:	1:500	A3
		Plot Date:08/09/2023 By:Leigh Oliver		
AMENDMENTS				
Revision	Description		Approved by	Date
-	-		-	-
-	-		-	-



LEGEND

 DESIGN CONTOURS - Levels to AHD (0.10m interval)	 DESIGN EDGE OF SEAL	 DESIGN SEAL: Refer Sheet 2 - Pavement Type A
 EXISTING CONTOURS - Levels to AHD (0.10m interval)	 DESIGN SHOULDER	 DESIGN SEAL: Refer Sheet 2 - Pavement Type B
 Proposed Tree Removals	 DESIGN INVERT	
	 DESIGN LINEMARKING	
 Concrete Kerb area: Normal plain Kerb as noted and as per: IDM SD100, CoGB SD190,191,192		
 Concrete island infill: Normal plain Conc. Slab as per IDM SD205 & 210		



PROJECT DESIGN STATUS

Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 1.1**

PROJECT TITLE

Location: **EPSOM - BARNADOWN RD**
Suburb: **BAGSHOT**
Works: **BLACKSPOT SAFETY UPGRADES**
Reference: **GB4363**

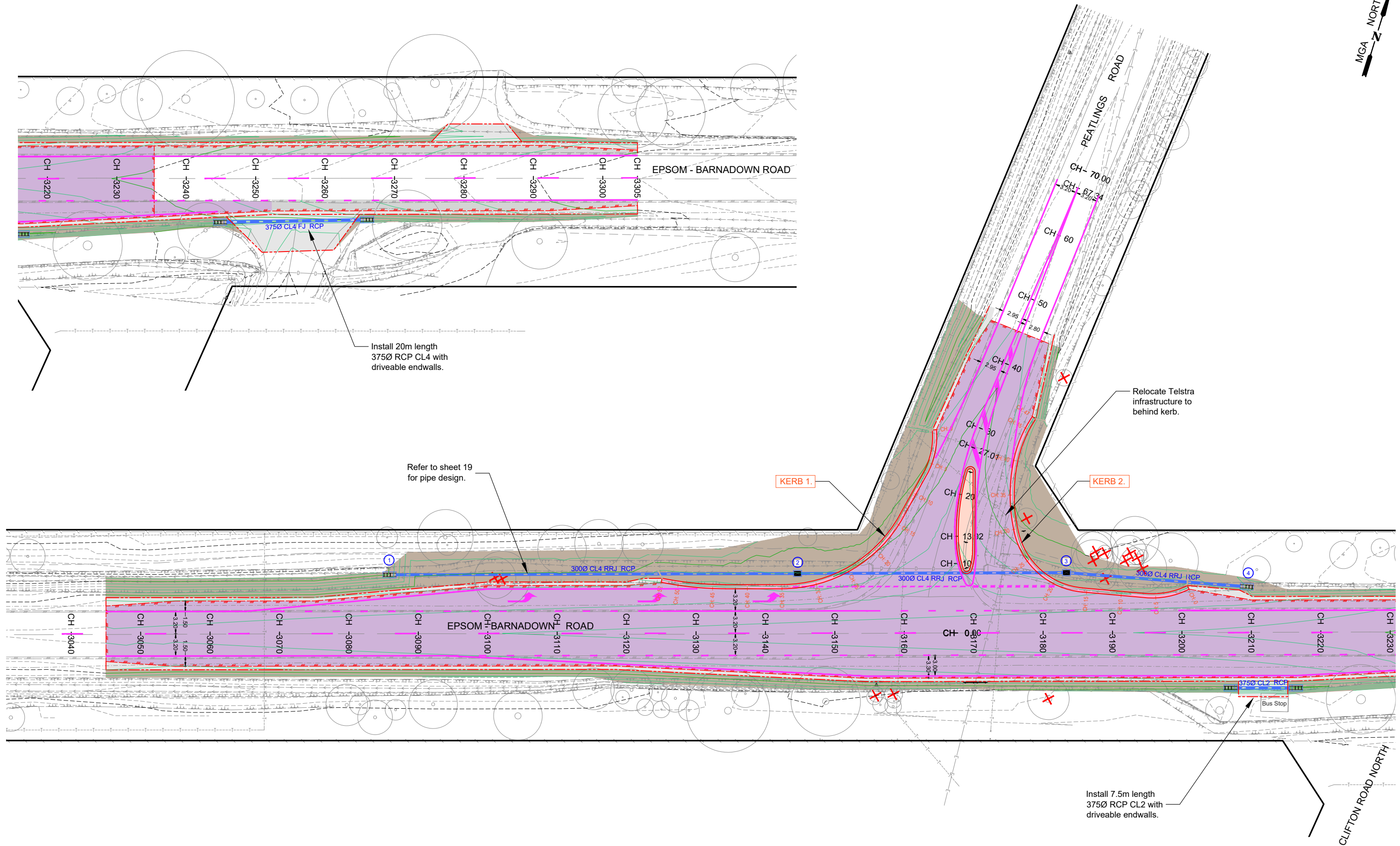
SHEET DETAILS

DETAIL LAYOUT

Sheet: **6 OF 19**
Scale: **1:500** **A3**
Plot Date: 08/09/2023 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)
- Proposed Tree Removals
- Concrete Kerb area: Normal plain
Kerb as noted and as per: IDM SD100,
CoGB SD190,191,192
- Concrete island infill: Normal plain Conc.
Slab as per IDM SD205 & 210
- DESIGN EDGE OF SEAL
- DESIGN SHOULDER
- DESIGN INVERT
- DESIGN LINEMARKING
- DESIGN SEAL:
Refer Sheet 2 - Pavement Type A
- DESIGN SEAL:
Refer Sheet 2 - Pavement Type B



PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

SHEET DETAILS				
DETAIL LAYOUT		Sheet:	7 OF 19	
		Scale:	1:500	A3
		Plot Date:08/09/2023 By:Leigh Oliver		
AMENDMENTS				
Revision	Description		Approved by	Date
-	-		-	-
-	-		-	-



Install vehicle activated "Slow Down / GiveWay Ahead" sign 200m from intersection.

- SIGNAGE & LINEMARKING NOTES:**
1. Install new signs as shown on plans.
 2. Retain all existing signage at intersection unless noted otherwise.
 3. Install RRRP's at intersection in accordance with AS1742.2.
 4. Install signage at intersection in accordance with AS1742.2.
 5. Blackout existing linemarking using bitumen (only where required).



Install vehicle activated 80kmh speed zone sign At CH815



R2-3B



D4-1-2B

Install 11 No. 8.5m high slip base poles including 3.5m outreach arms and 120watt / 4500k led solar lights.



R2-3A



Install vehicle activated "Slow Down / GiveWay Ahead" sign 200m from intersection.



Install vehicle activated 80kmh speed zone sign At CH1135



R2-3B



D4-1-2B



PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 1.1		

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

SHEET DETAILS			
LIGHTING & SIGNAGE LAYOUT		Sheet:	8 OF 19
		Scale:	1:750
		Plot Date:	08/09/2023 By: Leigh Oliver
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-

- SIGNAGE & LINEMARKING NOTES:
1. Install new signs as shown on plans.
 2. Retain all existing signage at intersection unless noted otherwise.
 3. Install RRPM's at intersection in accordance with AS1742.X.
 4. Install signage at intersection in accordance with AS1742.X.
 5. Blackout existing linemarking using bitumen (only where required).



W3-2B
Install at Ch175



R2-3B



D4-1-2B



R2-3A



R1-2B

Install 7 No. 8.5m high slip
base poles including 3.5m
outreach arms and 120watt
/ 4500k led solar lights.



D4-1-2B

CLIFTON ROAD NORTH

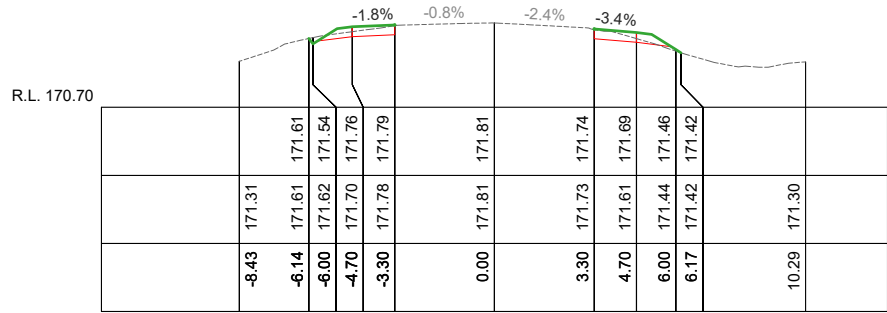


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

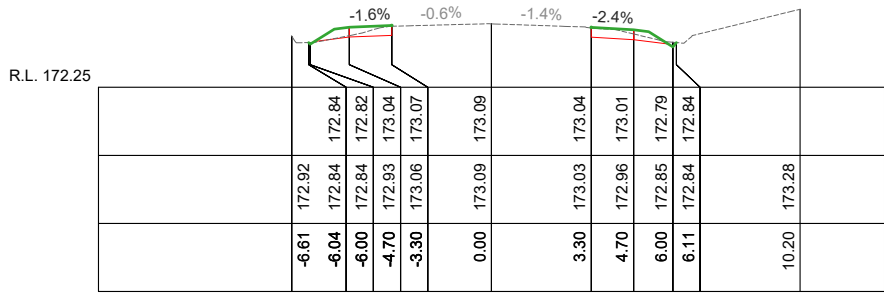
PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE
Location: EPSOM - BARNADOWN RD
Suburb: BAGSHOT
Works: BLACKSPOT SAFETY UPGRADES
Reference: GB4363

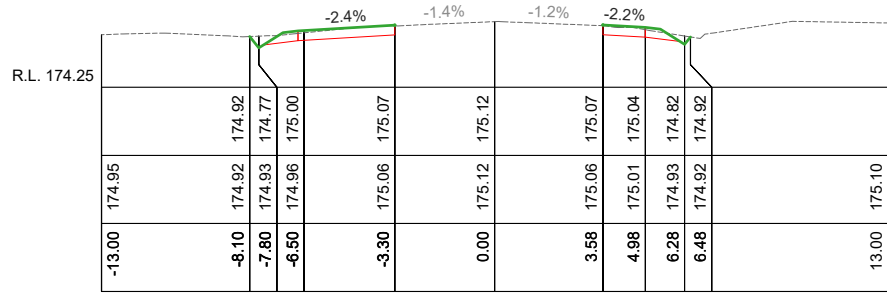
SHEET DETAILS				
LIGHTING & SIGNAGE LAYOUT		Sheet:	9 OF 19	
		Scale:	1:500	A3
		Plot Date:08/09/2023 By:Leigh Oliver		
AMENDMENTS				
Revision	Description	Approved by	Date	
-	-	-	-	
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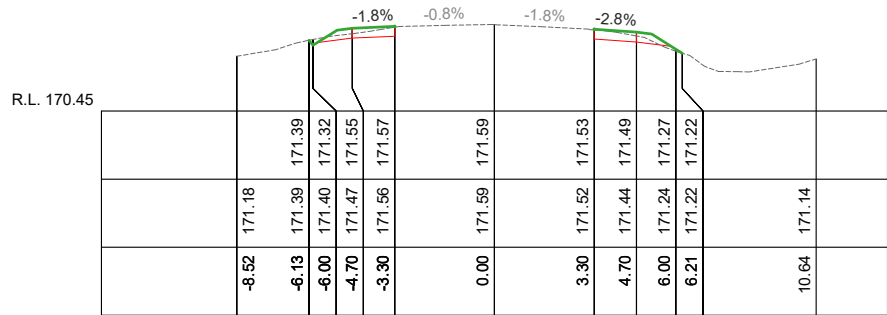
Ch 620.00
Epsom-Barnadown Rd



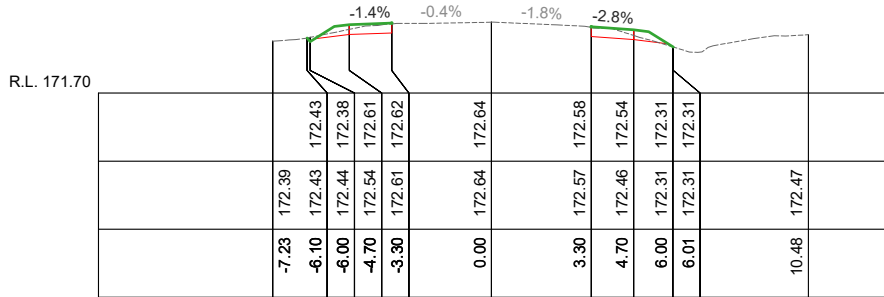
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Epsom-Barnadown Rd



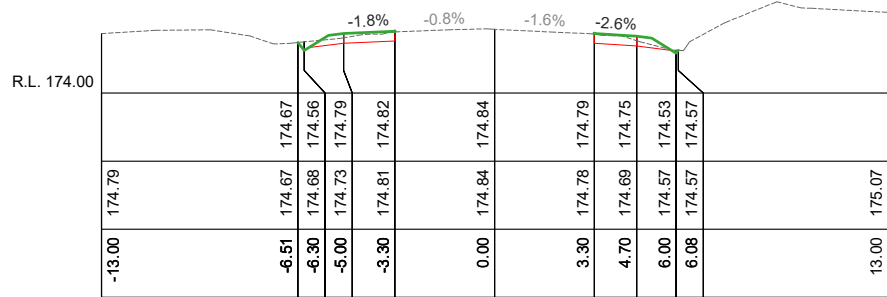
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Epsom-Barnadown Rd



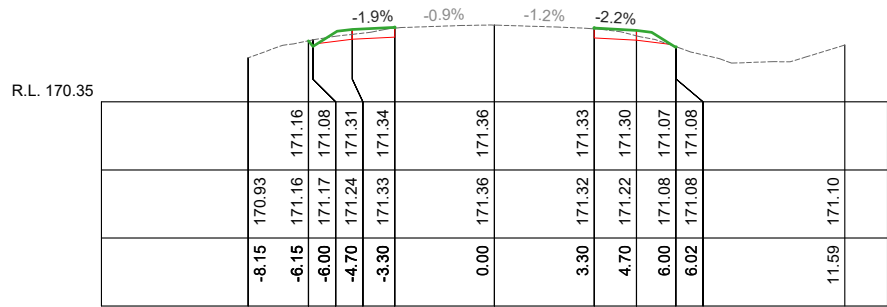
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Epsom-Barnadown Rd



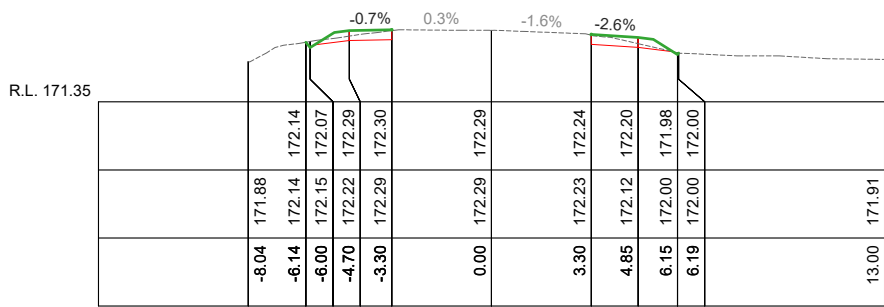
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Epsom-Barnadown Rd



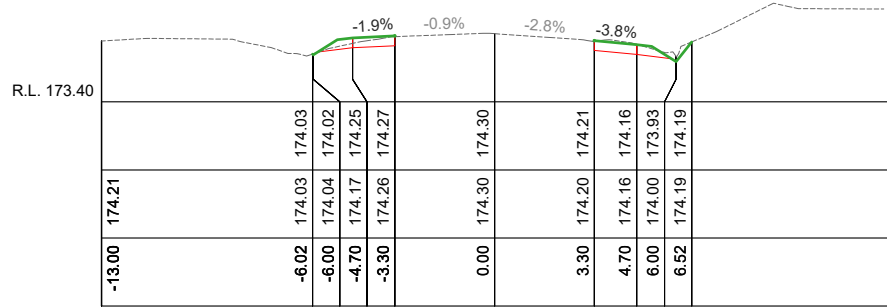
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Epsom-Barnadown Rd



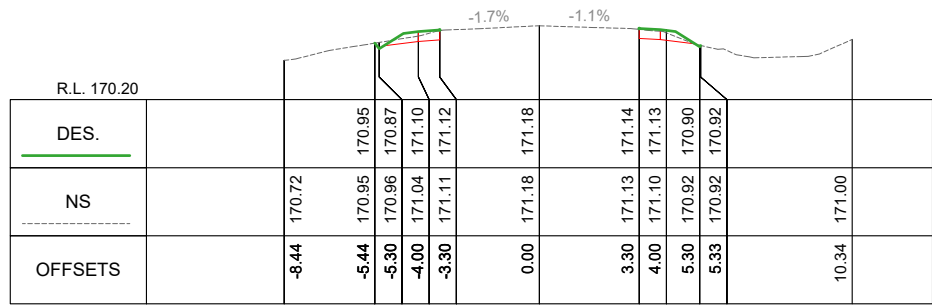
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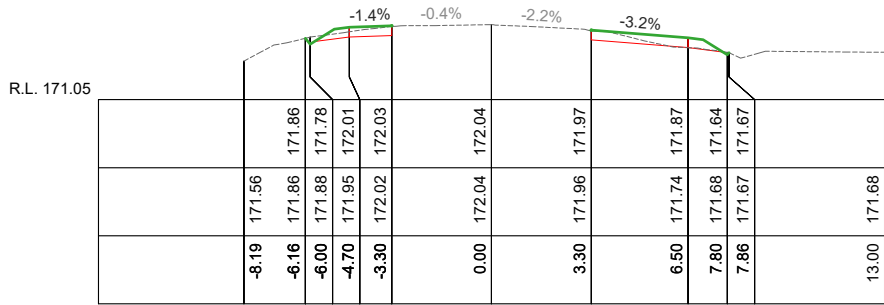
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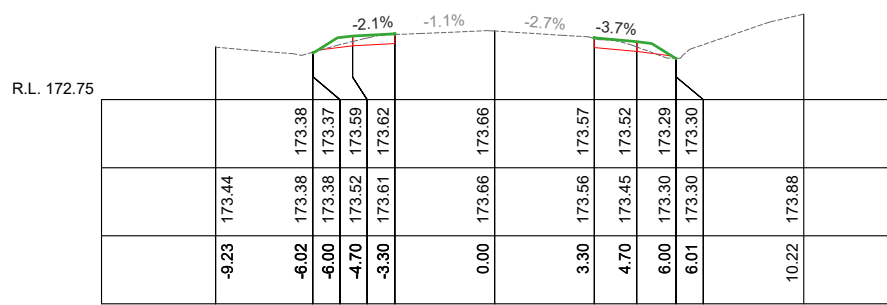
Ch 740.00
Epsom-Barnadown Rd



Ch 560.00
Epsom-Barnadown Rd



Ch 640.00
Epsom-Barnadown Rd



Ch 720.00
Epsom-Barnadown Rd

SCALES: H 1:250 V 1:100 (A3)

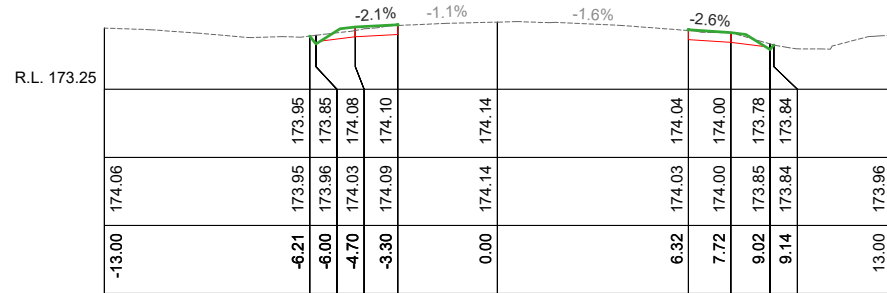


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

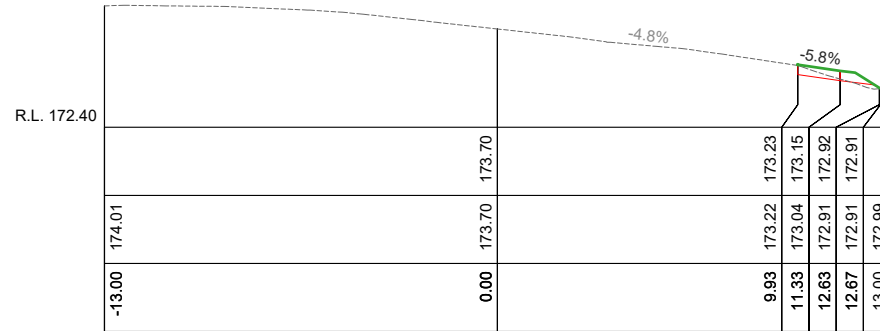
PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE
EPSOM - BARNADOWN RD
BAGSHOT
BLACKSPOT SAFETY UPGRADES
GB4363

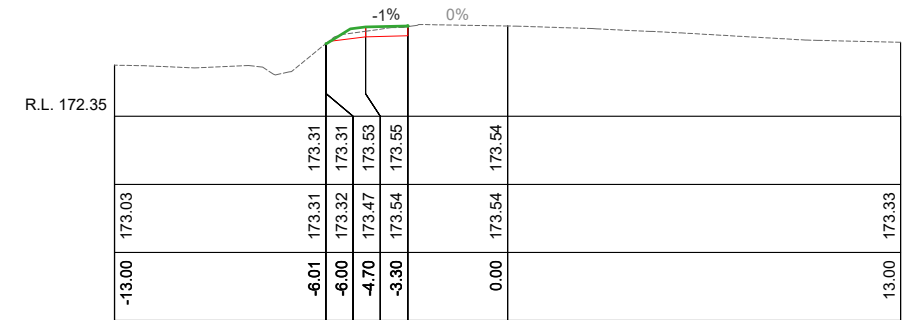
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ROAD CROSS SECTIONS		Sheet:	10 OF 19
		Scale:	AS SHOWN A3
		Plot Date:	08/09/2023 By: Leigh Oliver
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



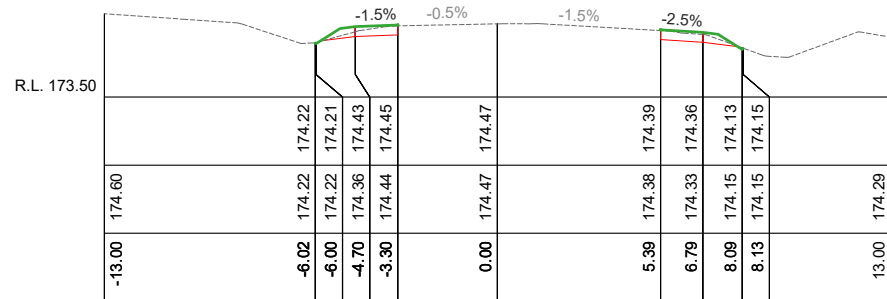
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Epsom-Barnadown Rd



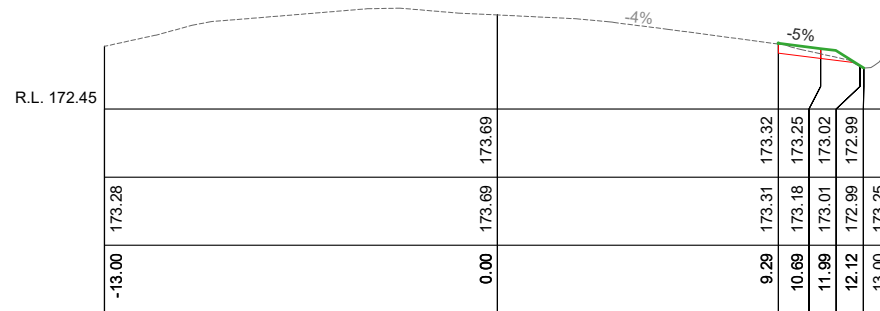
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Epsom-Barnadown Rd



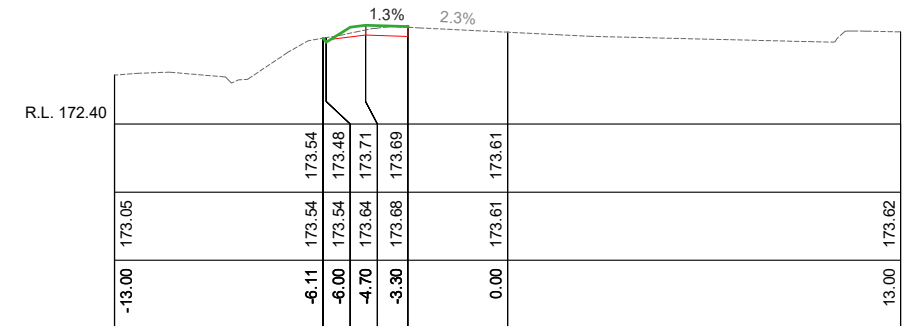
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Epsom-Barnadown Rd



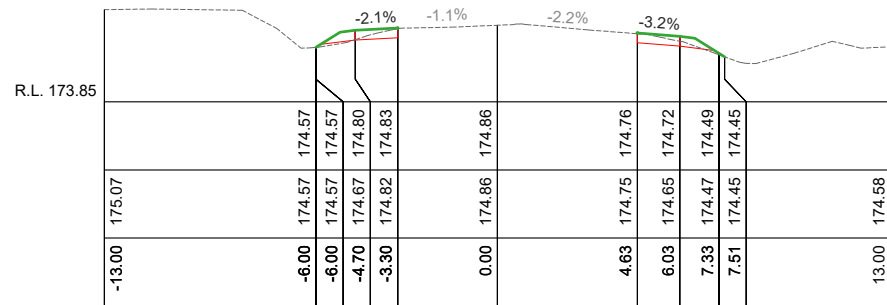
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Epsom-Barnadown Rd



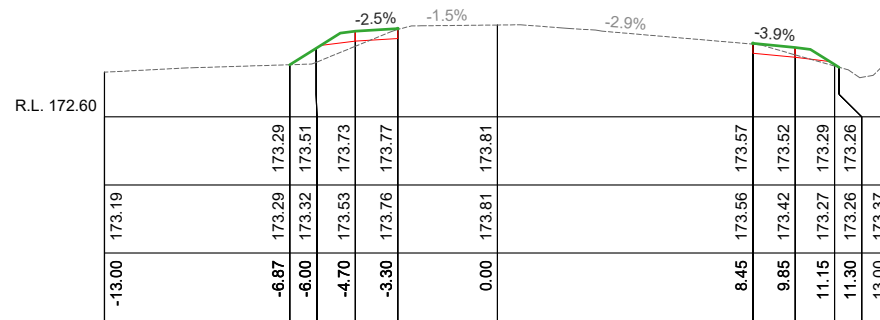
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Epsom-Barnadown Rd



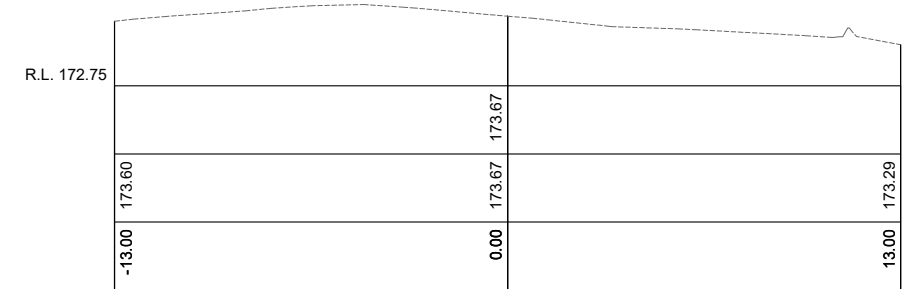
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Epsom-Barnadown Rd



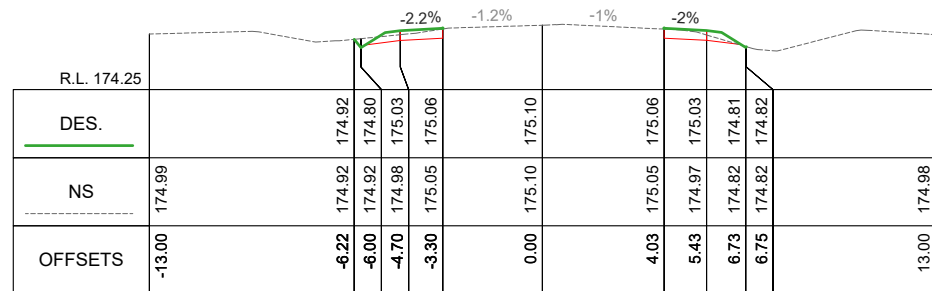
Ch 820.00
Epsom-Barnadown Rd



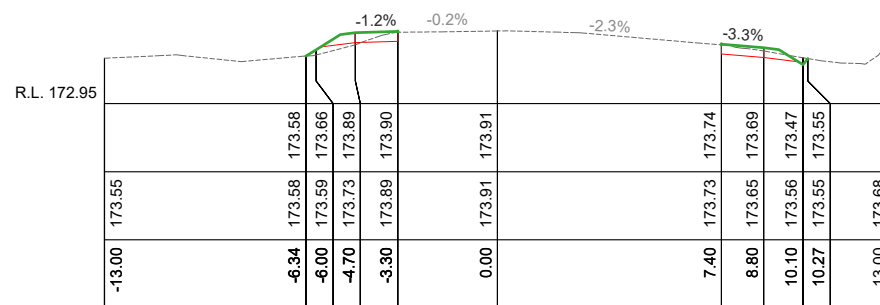
Ch 900.00
Epsom-Barnadown Rd



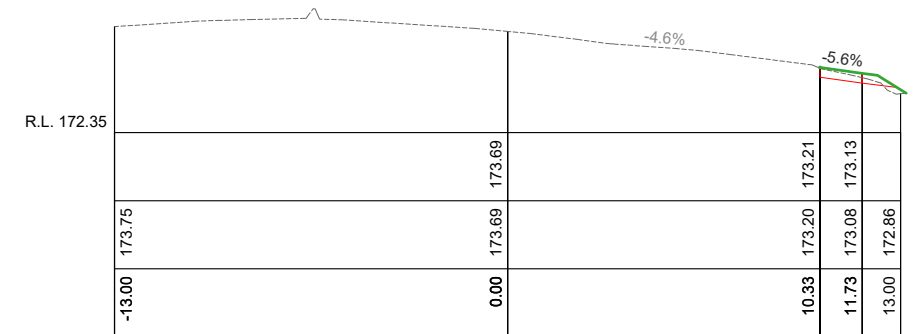
Ch 980.00
Epsom-Barnadown Rd



Ch 800.00
Epsom-Barnadown Rd



Ch 880.00
Epsom-Barnadown Rd



Ch 960.00
Epsom-Barnadown Rd

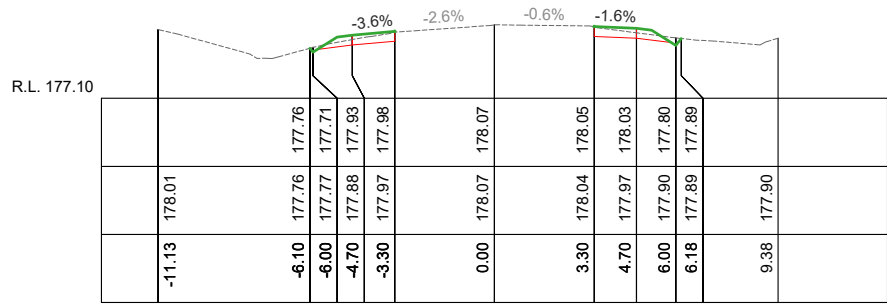


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

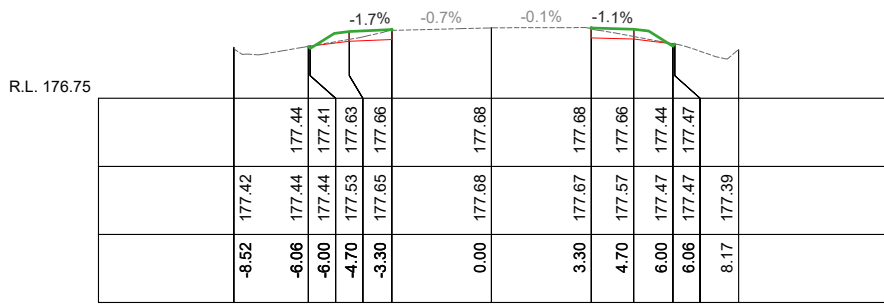
PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

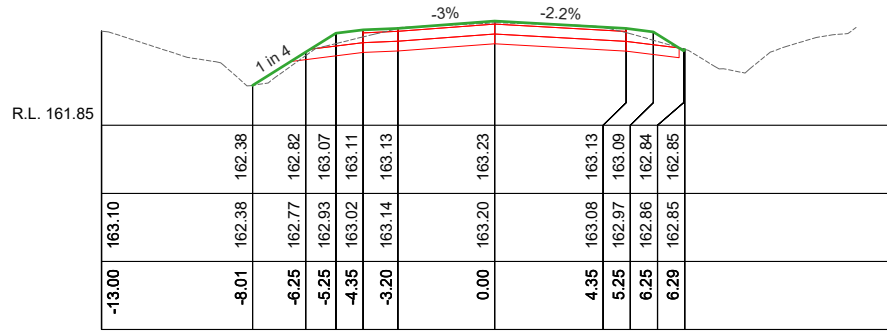
SHEET DETAILS			
ROAD CROSS SECTIONS		Sheet: 11 OF 19	
		Scale: AS SHOWN	A3
		Plot Date:08/09/2023 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



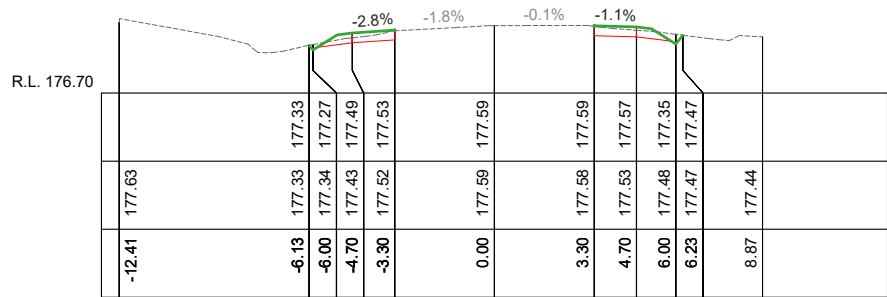
Ch 1340.00
Epsom-Barnadown Rd



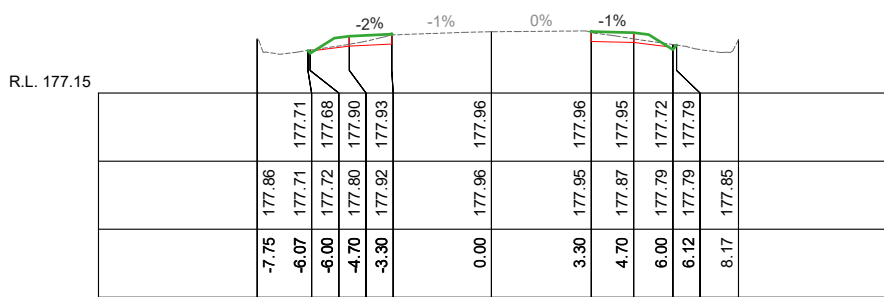
Ch 1420.00
Epsom-Barnadown Rd



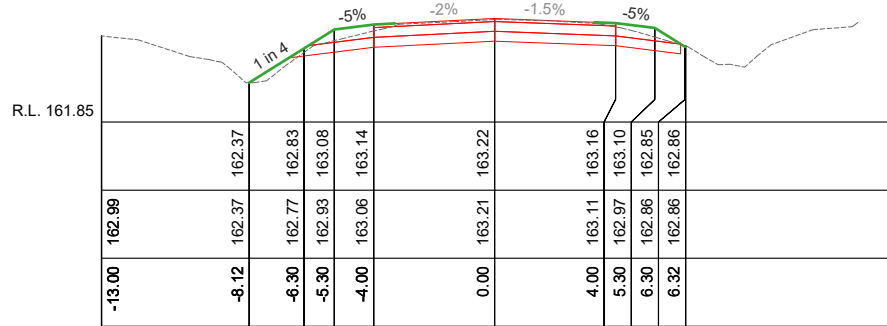
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Epsom-Barnadown Rd



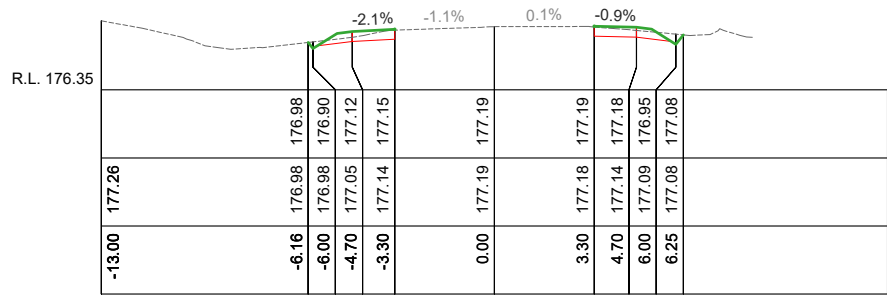
Ch 1320.00
Epsom-Barnadown Rd



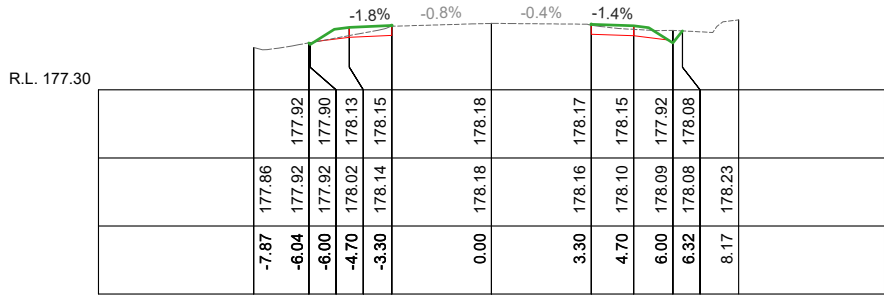
Ch 1400.00
Epsom-Barnadown Rd



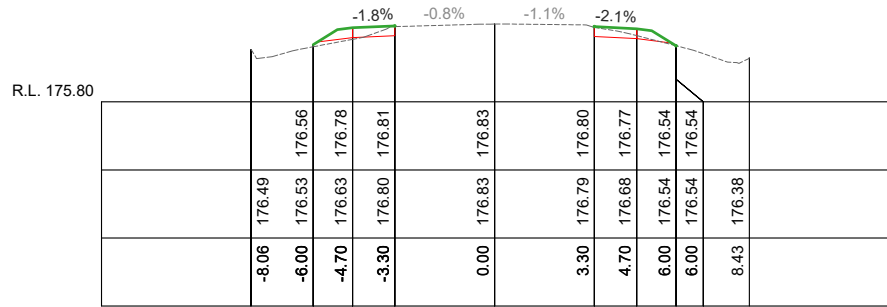
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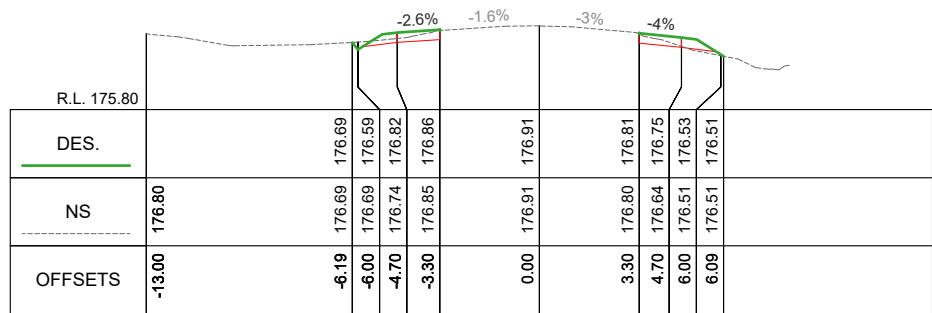
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Epsom-Barnadown Rd



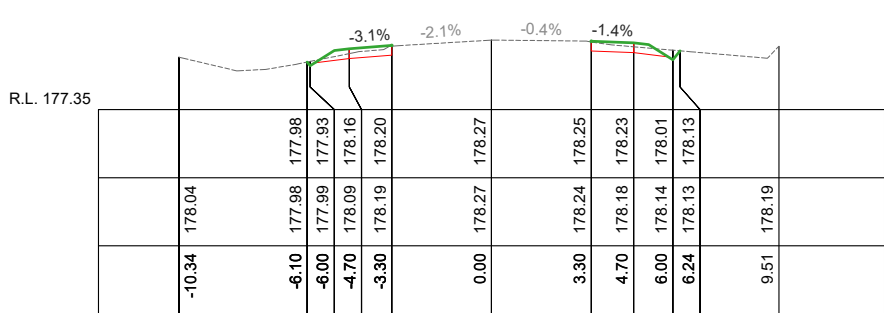
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Epsom-Barnadown Rd



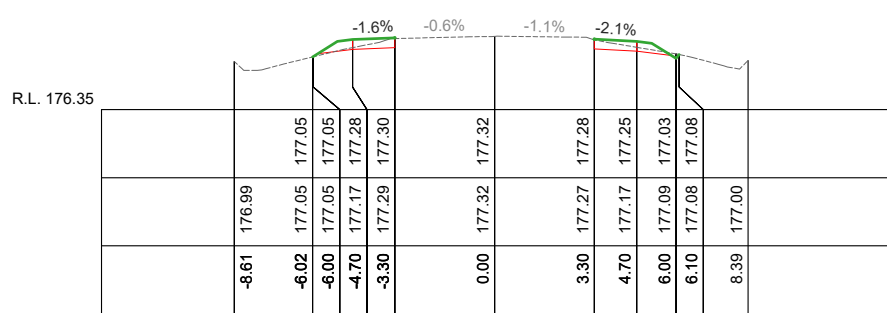
Ch 1460.00
Epsom-Barnadown Rd



Ch 1280.00
Epsom-Barnadown Rd



Ch 1360.00
Epsom-Barnadown Rd



Ch 1440.00
Epsom-Barnadown Rd

SCALES: H 1:250 V 1:100 (A3)

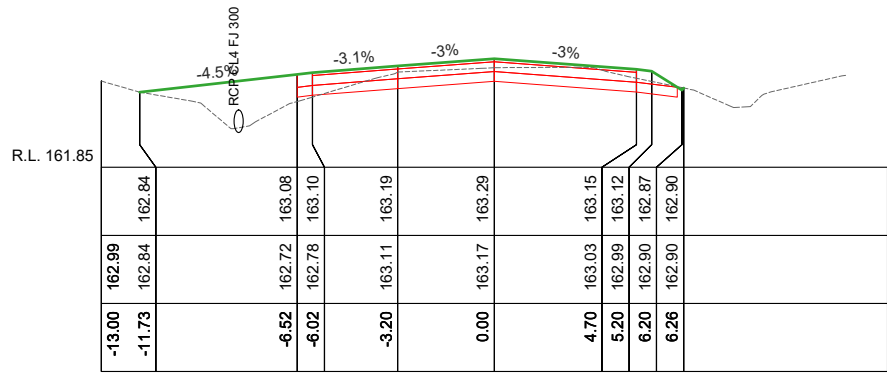


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

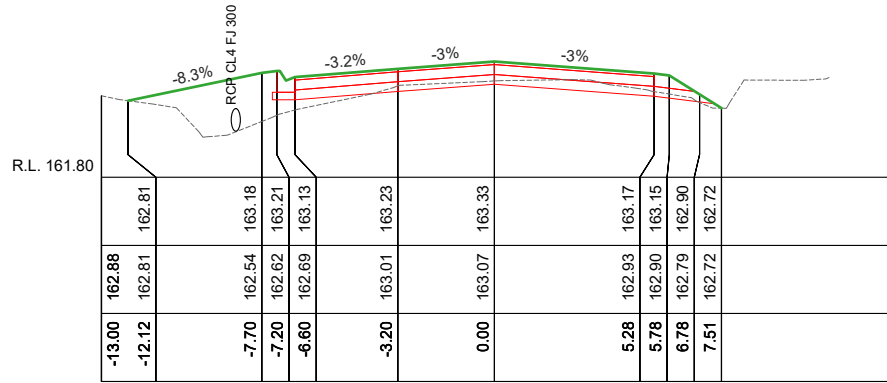
PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

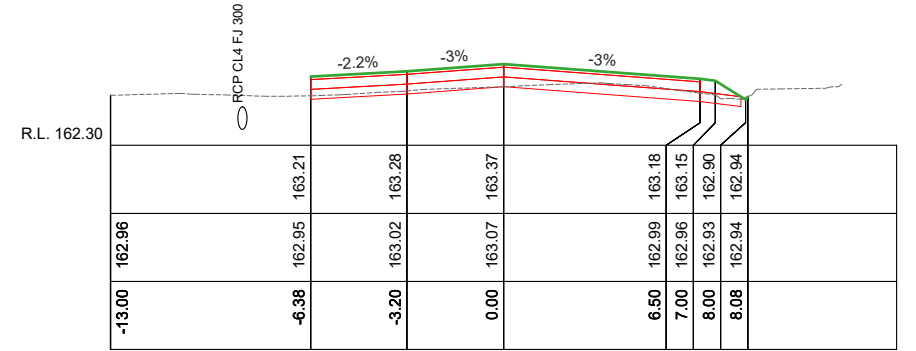
SHEET DETAILS				
ROAD CROSS SECTIONS		Sheet:	13 OF 19	
		Scale:	AS SHOWN A3	
		Plot Date:08/09/2023 By:Leigh Oliver		
AMENDMENTS				
Revision	Description		Approved by	Date
-	-		-	-
-	-		-	-
-	-		-	-



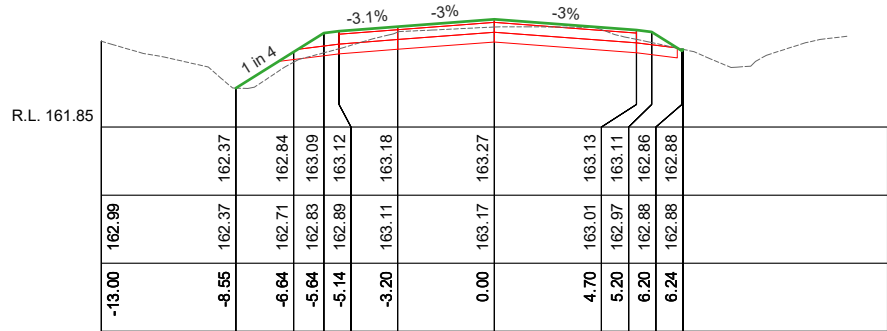
Ch 3090.00
Epsom-Barnadown Rd



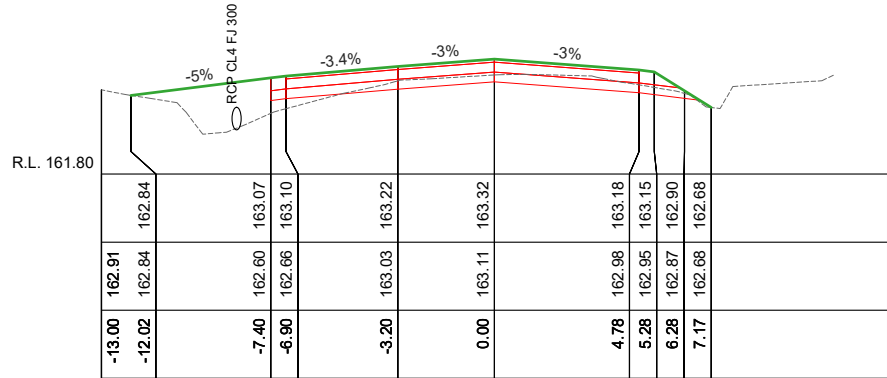
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Epsom-Barnadown Rd



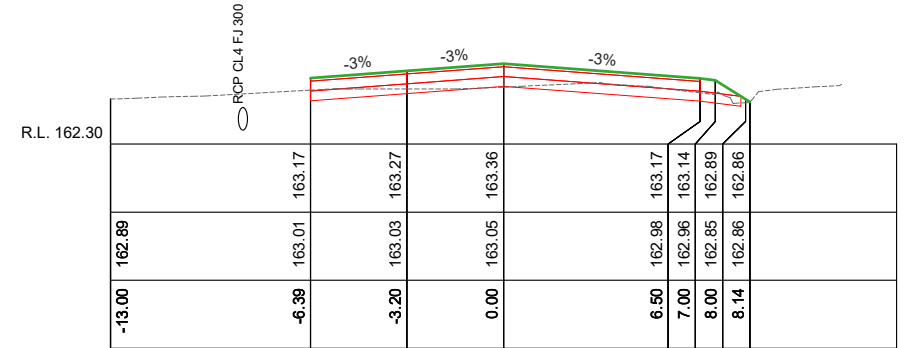
Ch 3170.00
Epsom-Barnadown Rd



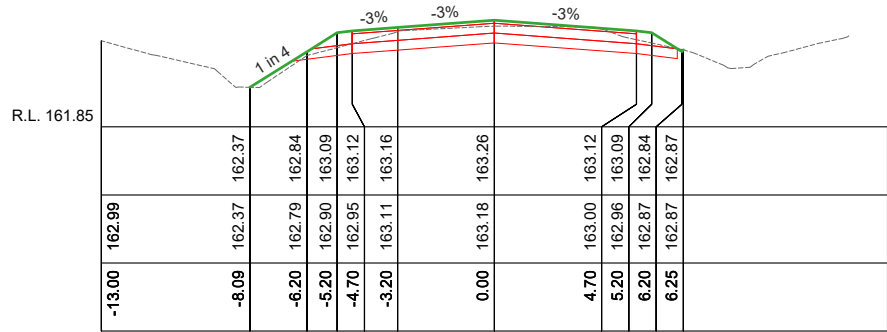
Ch 3080.00
Epsom-Barnadown Rd



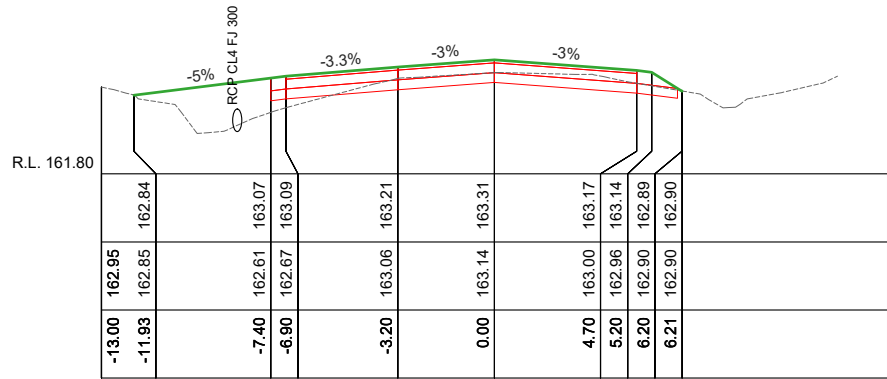
Ch 3120.00
Epsom-Barnadown Rd



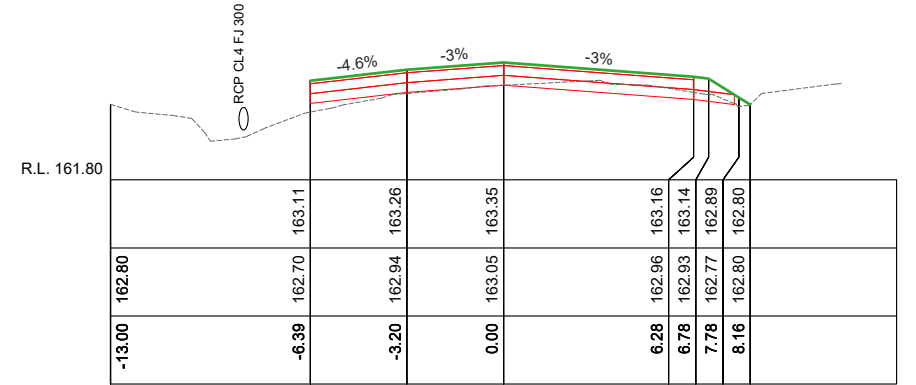
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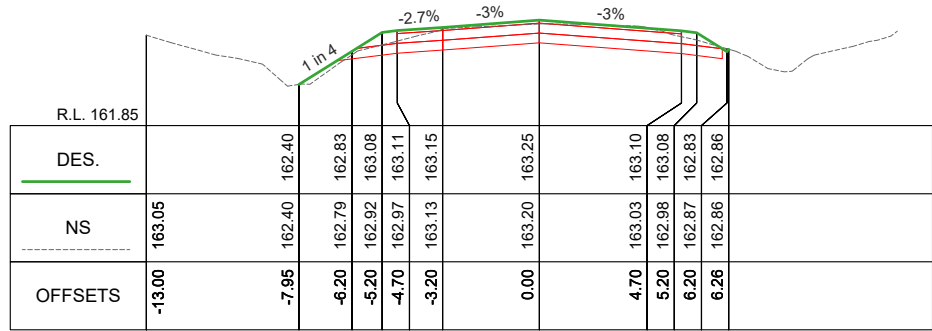
Ch 3070.00
Epsom-Barnadown Rd



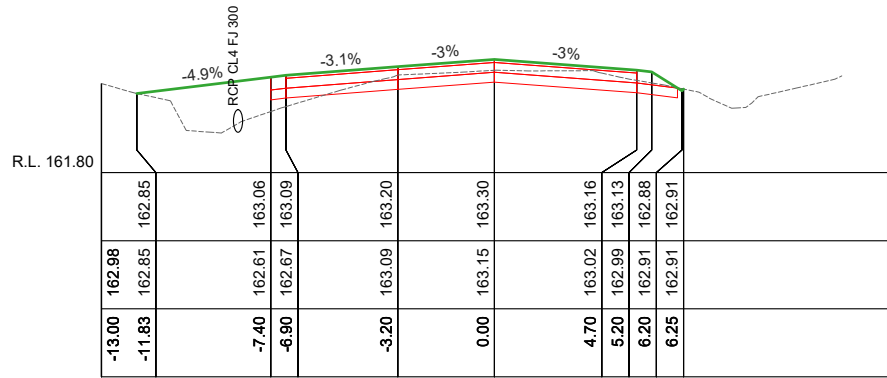
Ch 3110.00
Epsom-Barnadown Rd



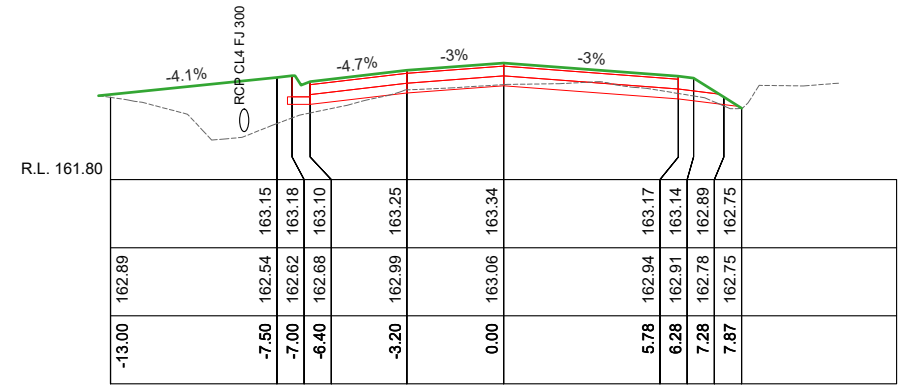
Ch 3150.00
Epsom-Barnadown Rd



Ch 3060.00
Epsom-Barnadown Rd



Ch 3100.00
Epsom-Barnadown Rd



Ch 3140.00
Epsom-Barnadown Rd

SCALES: H 1:250 V 1:100 (A3)

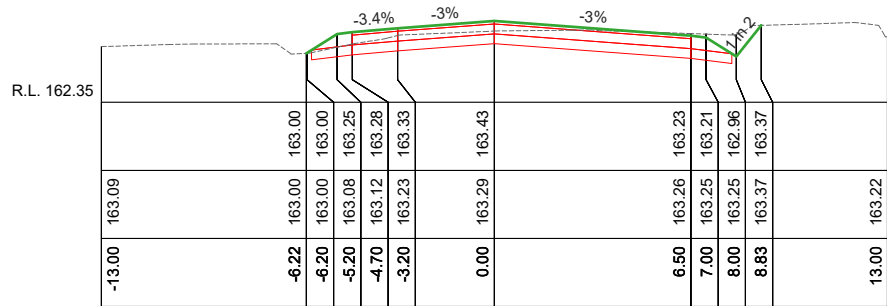


PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

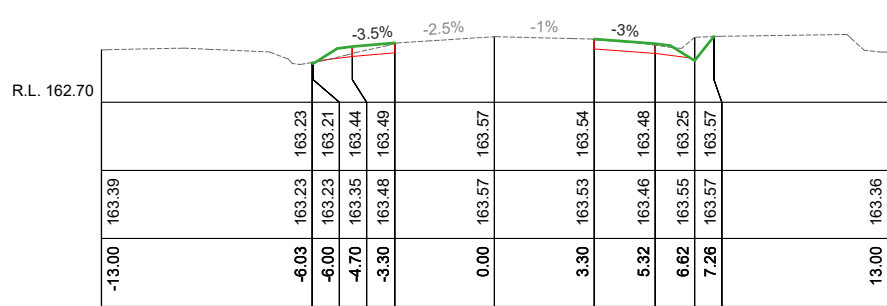
PRELIMINARY DESIGN
DRAFT 1.1

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

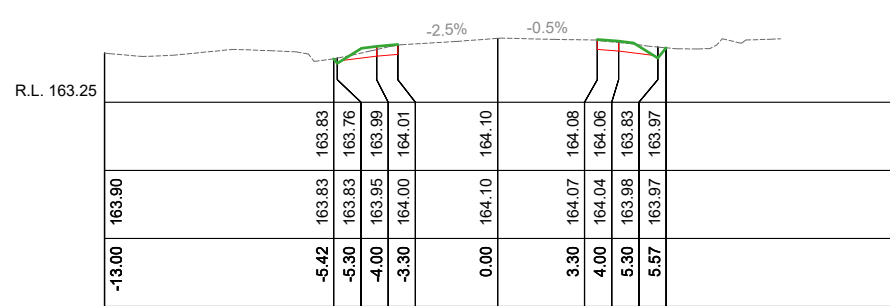
SHEET DETAILS			
ROAD CROSS SECTIONS		Sheet:	14 OF 19
		Scale:	AS SHOWN A3
		Plot Date:08/09/2023 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-



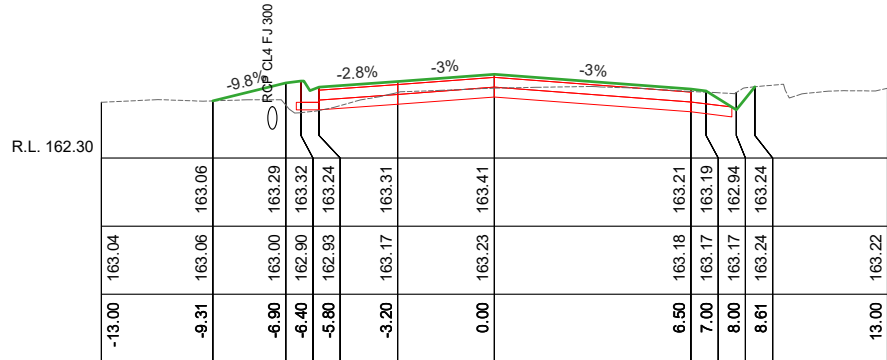
Ch 3210.00
Epsom-Barnadown Rd



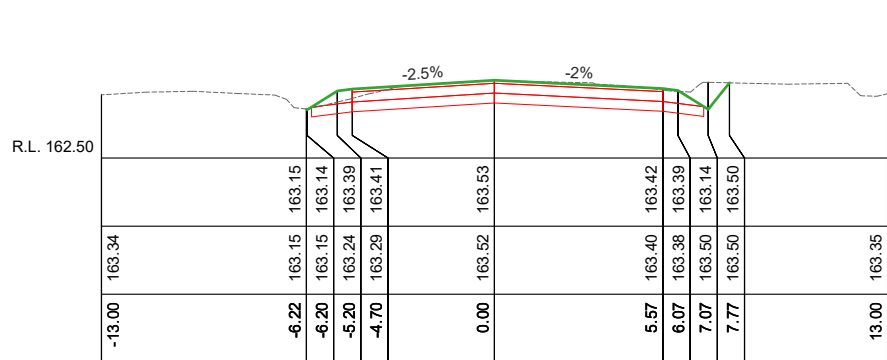
Ch 3240.00
Epsom-Barnadown Rd



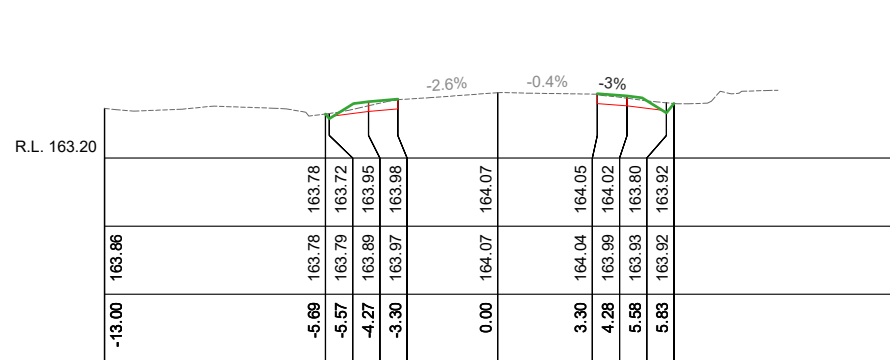
Ch 3305.00
Epsom-Barnadown Rd



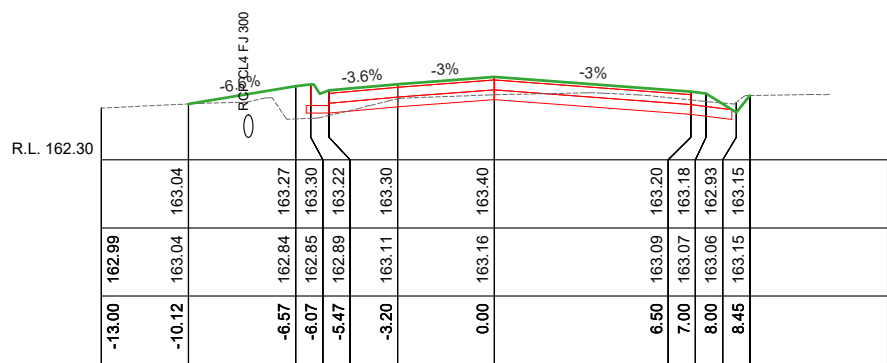
Ch 3200.00
Epsom-Barnadown Rd



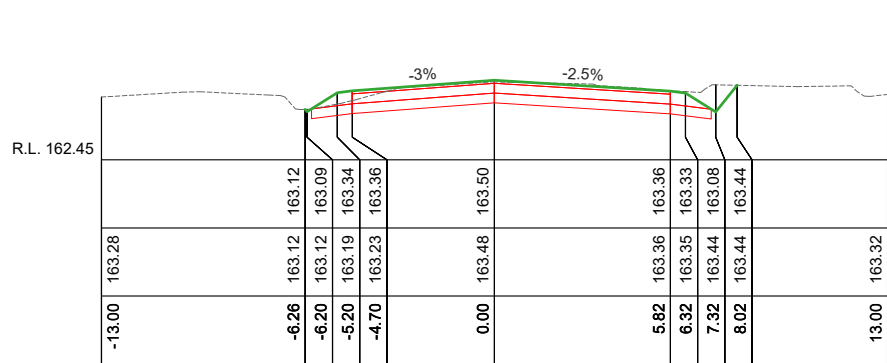
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Epsom-Barnadown Rd



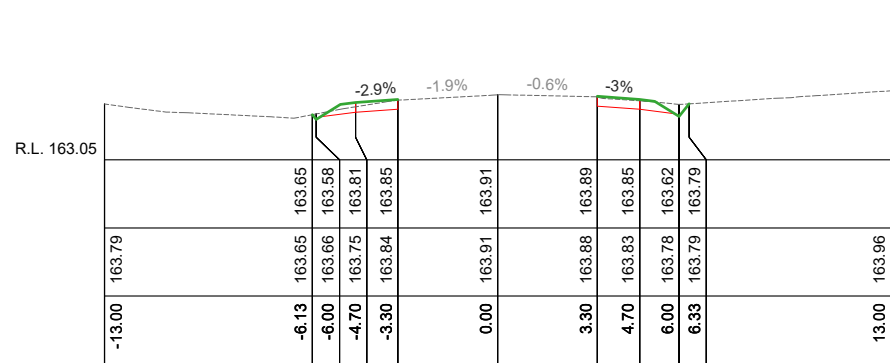
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Epsom-Barnadown Rd



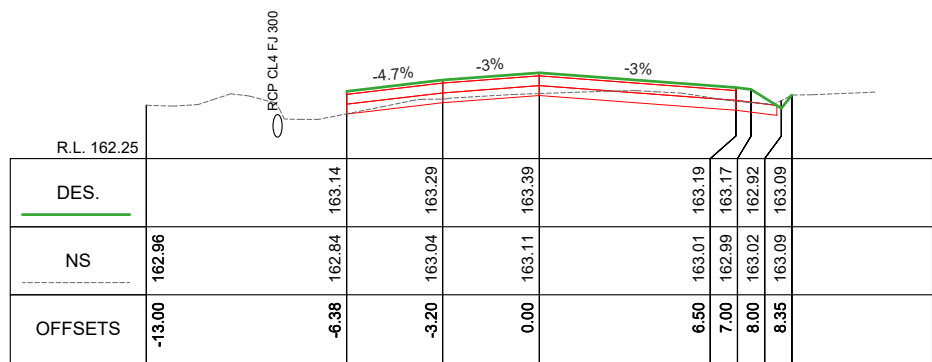
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Epsom-Barnadown Rd



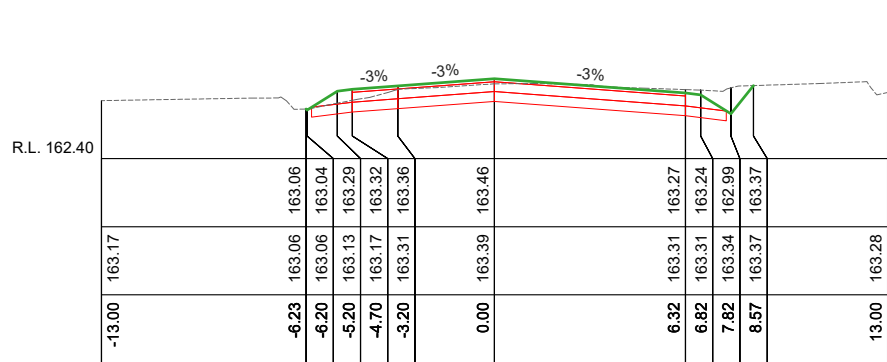
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Epsom-Barnadown Rd



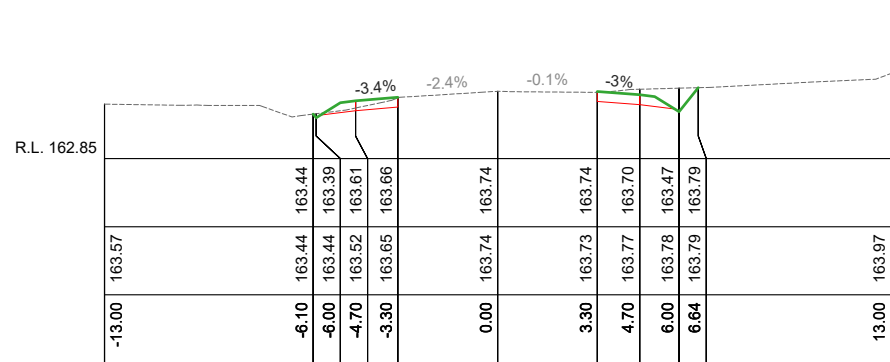
Ch 3280.00
Epsom-Barnadown Rd



Ch 3180.00
Epsom-Barnadown Rd



Ch 3220.00
Epsom-Barnadown Rd



Ch 3260.00
Epsom-Barnadown Rd

SCALES: H 1:250 V 1:100 (A3)



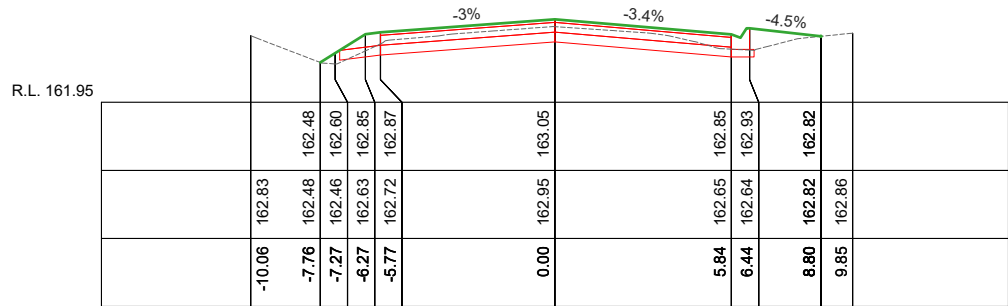
CITY OF GREATER
BENDIGO

PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23

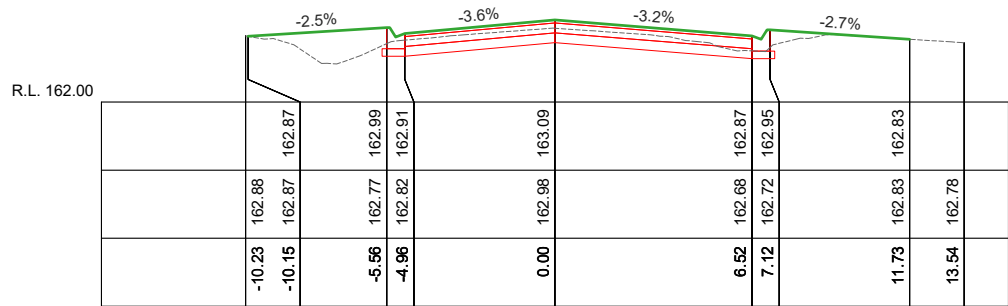
**PRELIMINARY DESIGN
DRAFT 1.1**

PROJECT TITLE
Location: **EPSOM - BARNADOWN RD**
Suburb: **BAGSHOT**
Works: **BLACKSPOT SAFETY UPGRADES**
Reference: **GB4363**

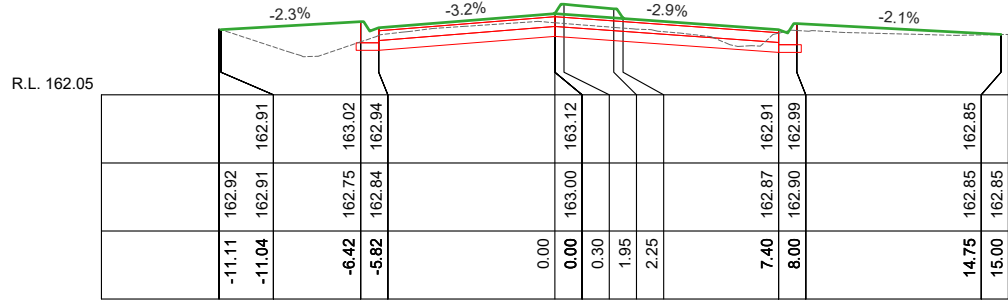
SHEET DETAILS			
ROAD CROSS SECTIONS		Sheet: 15 OF 19	
		Scale: AS SHOWN	A3
		Plot Date:08/09/2023 By:Leigh Oliver	
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



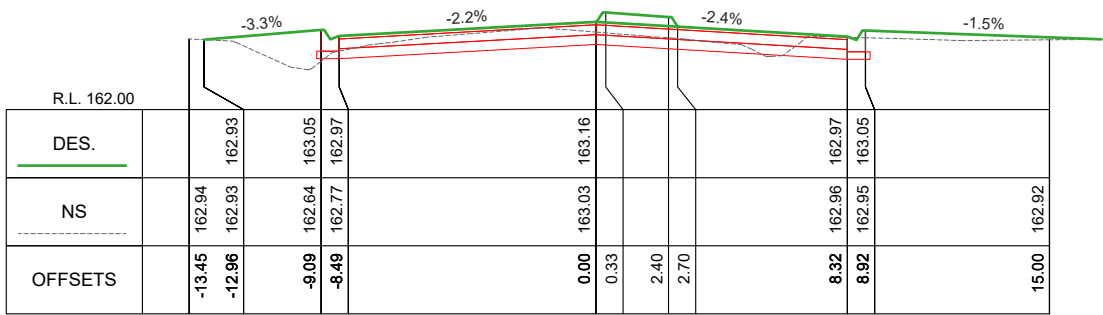
Ch 30.00
PEATLINGS



Ch 25.00
PEATLINGS

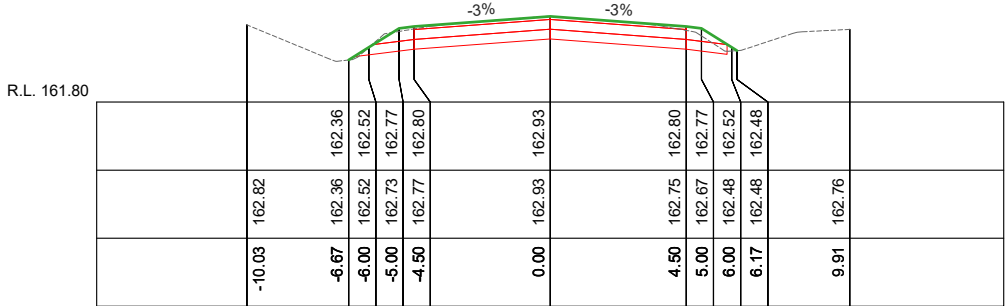


Ch 20.00
PEATLINGS

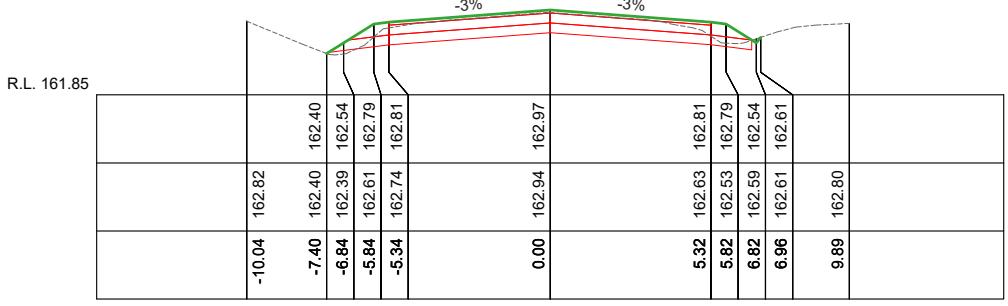


Ch 15.00
PEATLINGS

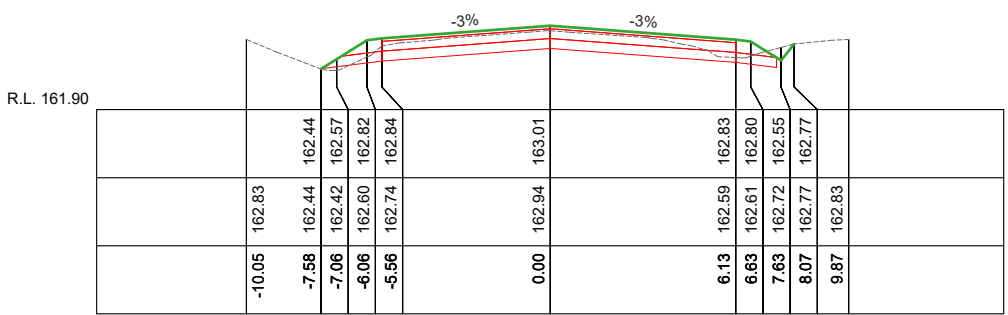
PEATLINGS ROAD CROSS SECTIONS
SCALES: H 1:250 V 1:100 (A3)



Ch 45.00
PEATLINGS



Ch 40.00
PEATLINGS



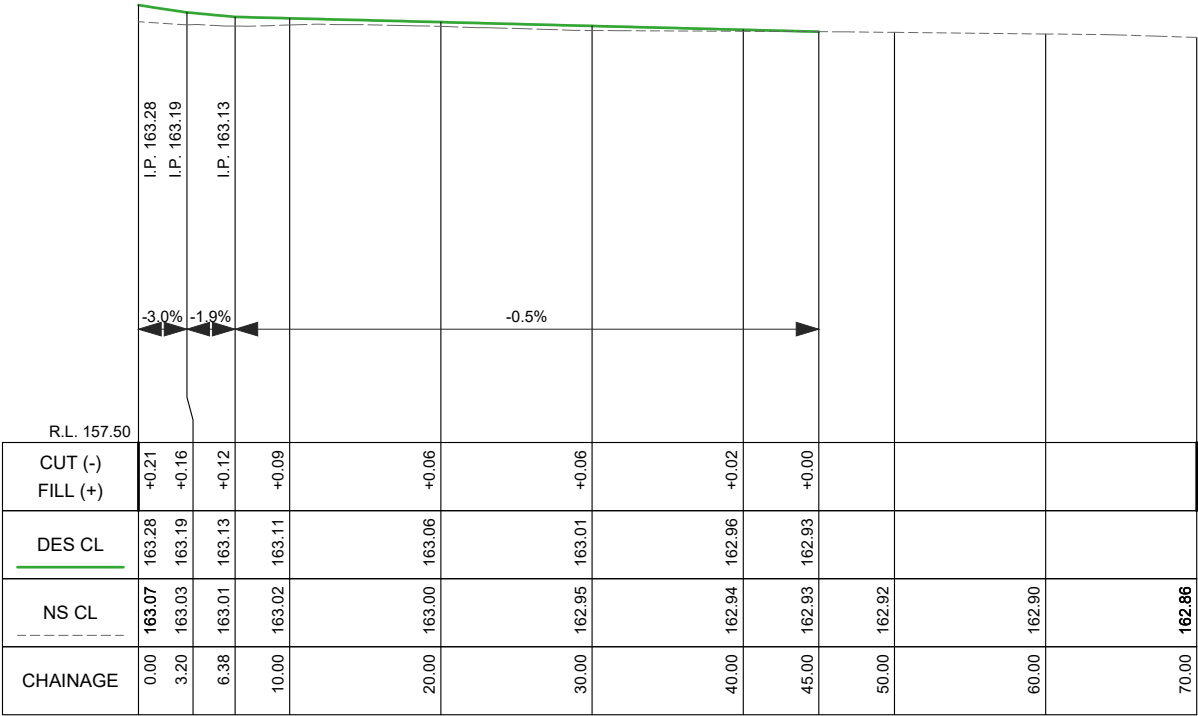
Ch 35.00
PEATLINGS



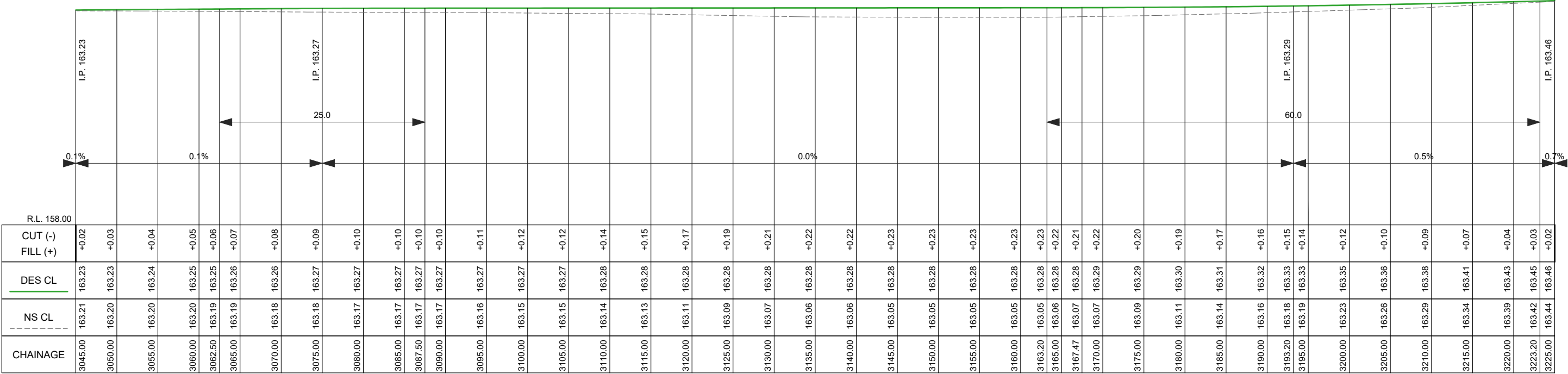
PROJECT DESIGN STATUS
Surveyor CUMMINS AUG. 2019
Designer L. OLIVER AUG. 2023
Draft Checked A. SMITH xx/xx/23
Tender Approved N. SARTORI xx/xx/23
**PRELIMINARY DESIGN
DRAFT 1.1**

PROJECT TITLE
Location: EPSOM - BARNADOWN RD
Suburb: BAGSHOT
Works: BLACKSPOT SAFETY UPGRADES
Reference: GB4363

SHEET DETAILS			
ROAD CROSS SECTIONS		Sheet: 16 OF 19	
		Scale: AS SHOWN	A3
Plot Date:08/09/2023 By:Leigh Oliver			
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-



LONGITUDINAL SECTION CH 0.000 To 70.000
SCALES: H 1:500 V 1:100 (A3)
PEATLINGS ROAD



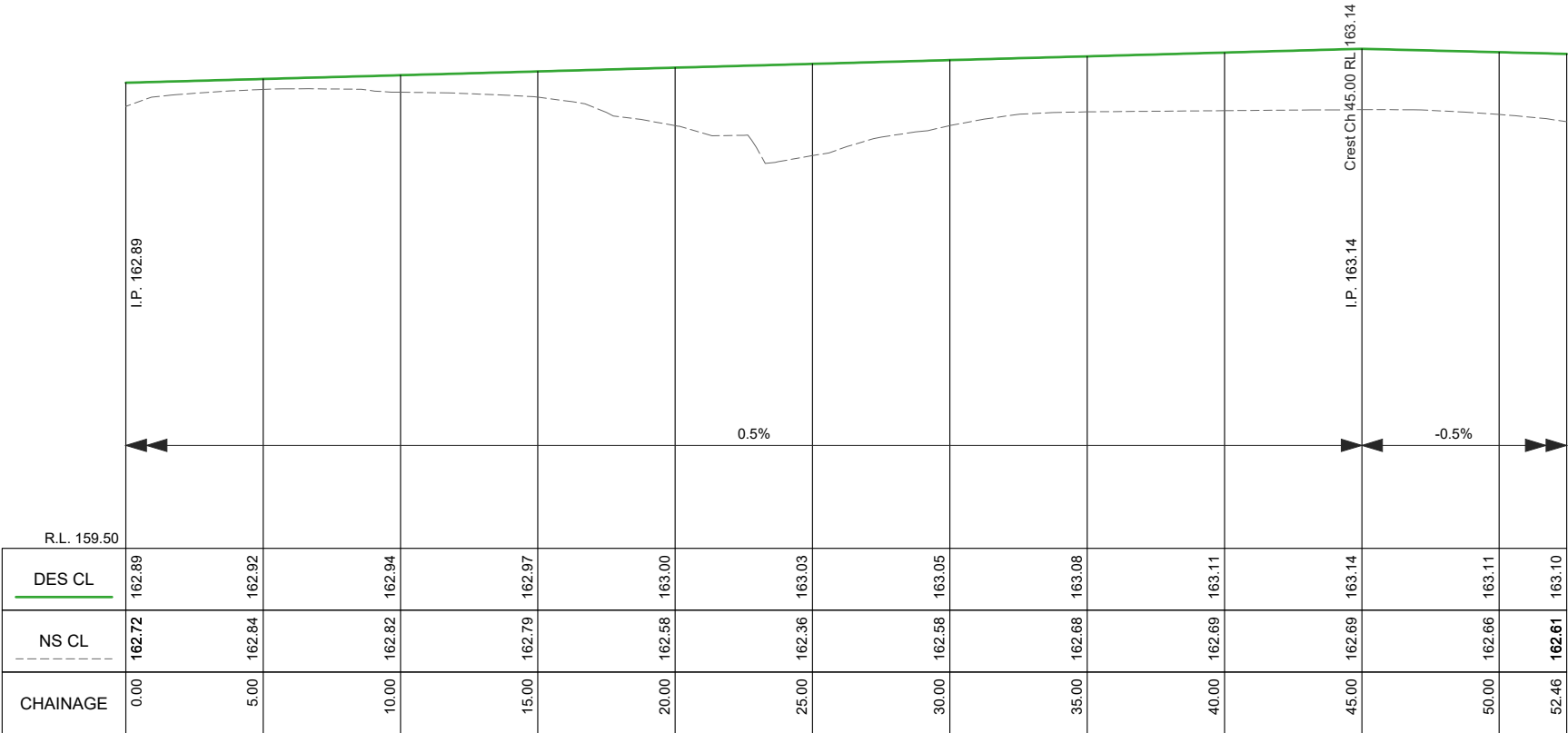
LONGITUDINAL SECTION CH 3045.000 To 3225.000
SCALES: H 1:500 V 1:100 (A3)
EPSOM - BARNADOWN ROAD



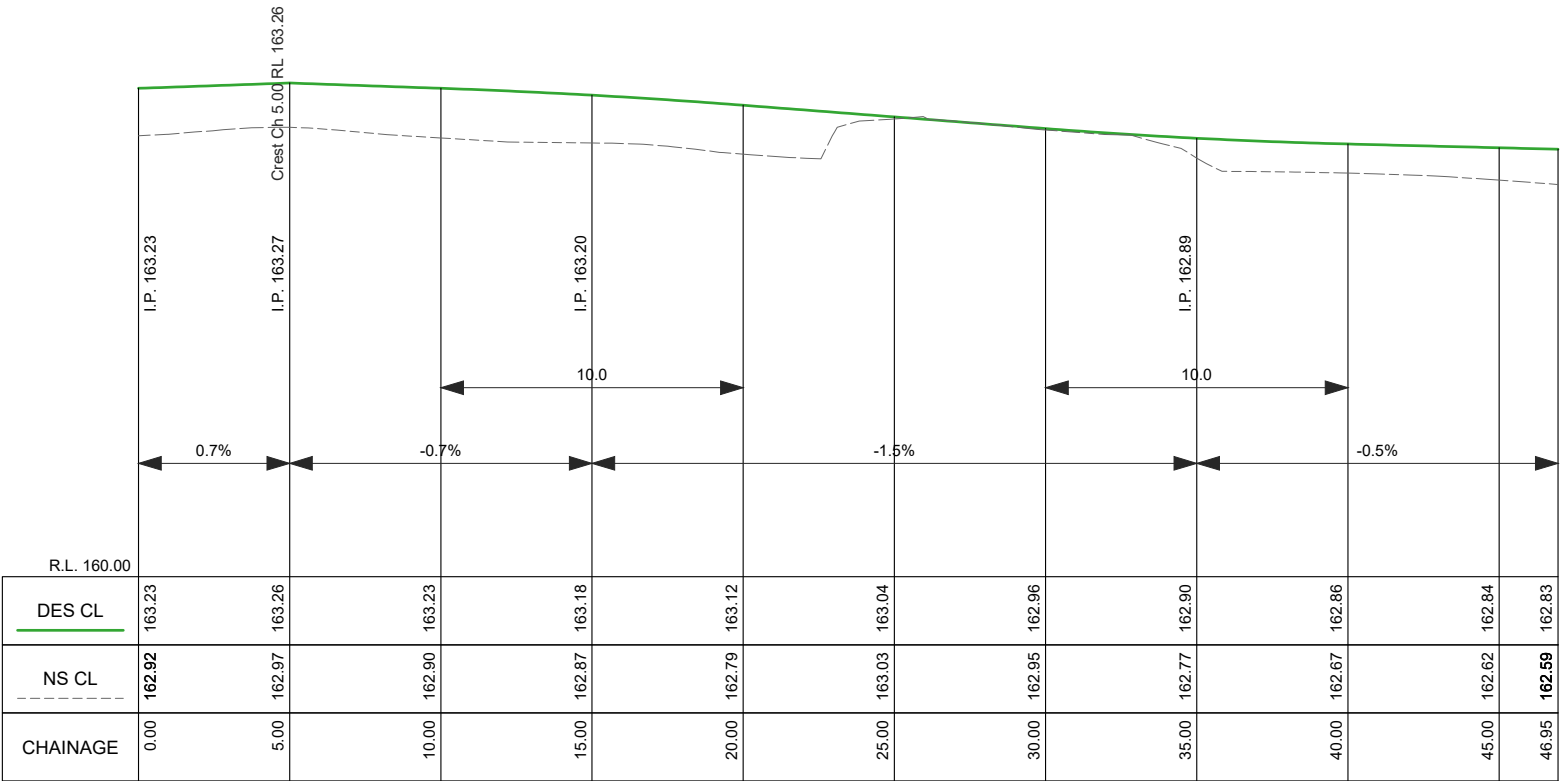
PROJECT DESIGN STATUS		
Surveyor	CUMMINS	AUG. 2019
Designer	L. OLIVER	AUG. 2023
Draft Checked	A. SMITH	xx/xx/23
Tender Approved	N. SARTORI	xx/xx/23
PRELIMINARY DESIGN DRAFT 1.1		

PROJECT TITLE	
Location:	EPSOM - BARNADOWN RD
Suburb:	BAGSHOT
Works:	BLACKSPOT SAFETY UPGRADES
Reference:	GB4363

SHEET DETAILS			
ROAD LONG SECTIONS		Sheet:	17 OF 19
		Scale:	AS SHOWN A3
		Plot Date:	08/09/2023 By: Leigh Oliver
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-
-	-	-	-
-	-	-	-

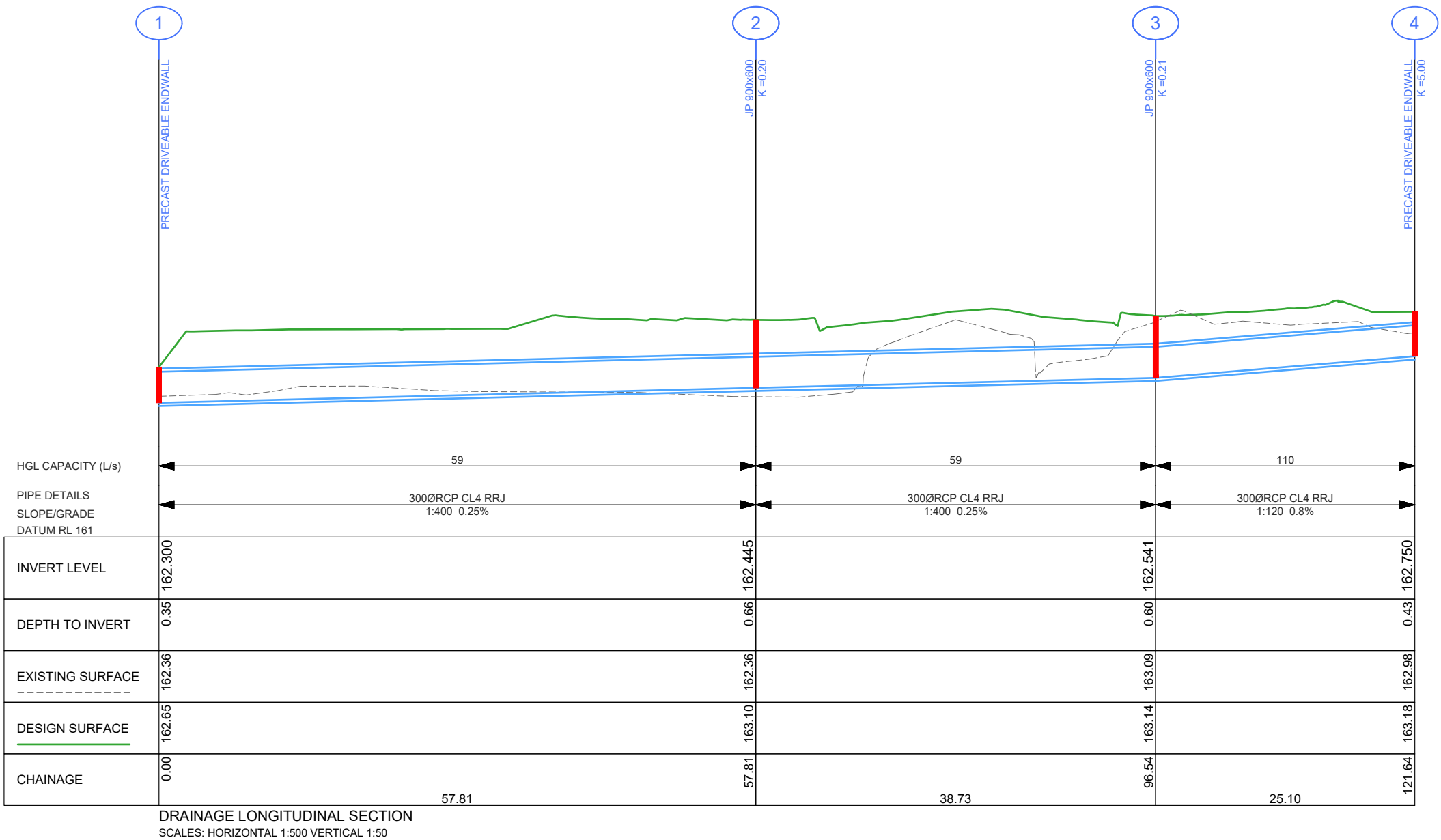


KERB 1 LONGITUDINAL SECTION CH 0.000 To 52.456
SCALES: H 1:250 V 1:50 (A3)



KERB 2 LONGITUDINAL SECTION CH 0.000 To 46.951
SCALES: H 1:250 V 1:50 (A3)

Pit Schedule - PIPE 1 (Peatlings Intersection)										
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
			(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)
1	Endwall	Driveable Endwall	-	-			300	162.300	0.346	162.646
2	Junction Pit	SD590A-D-L-T	600	900	300	162.445	300	162.445	0.658	163.103
3	Junction Pit	SD590A-D-L-T	600	900	300	162.541	300	162.541	0.599	163.140
4	Endwall	Driveable Endwall	-	-	300	162.750			0.431	163.181



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

CUMMINS

AUG. 2019

Designer

L. OLIVER

AUG. 2023

Draft Checked

A. SMITH

xx/xx/23

Tender Approved

N. SARTORI

xx/xx/23

PRELIMINARY DESIGN DRAFT 1.1

PROJECT TITLE

Location: EPSOM - BARNADOWN RD

Suburb: BAGSHOT

Works: BLACKSPOT SAFETY UPGRADES

Reference: GB4363

SHEET DETAILS

DRAINAGE LONG SECTION

Sheet: 19 OF 19

Scale: AS SHOWN A3

Plot Date:08/09/2023 By:Leigh Oliver

AMENDMENTS

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