

DIAMOND HILL ROAD, MANDURANG

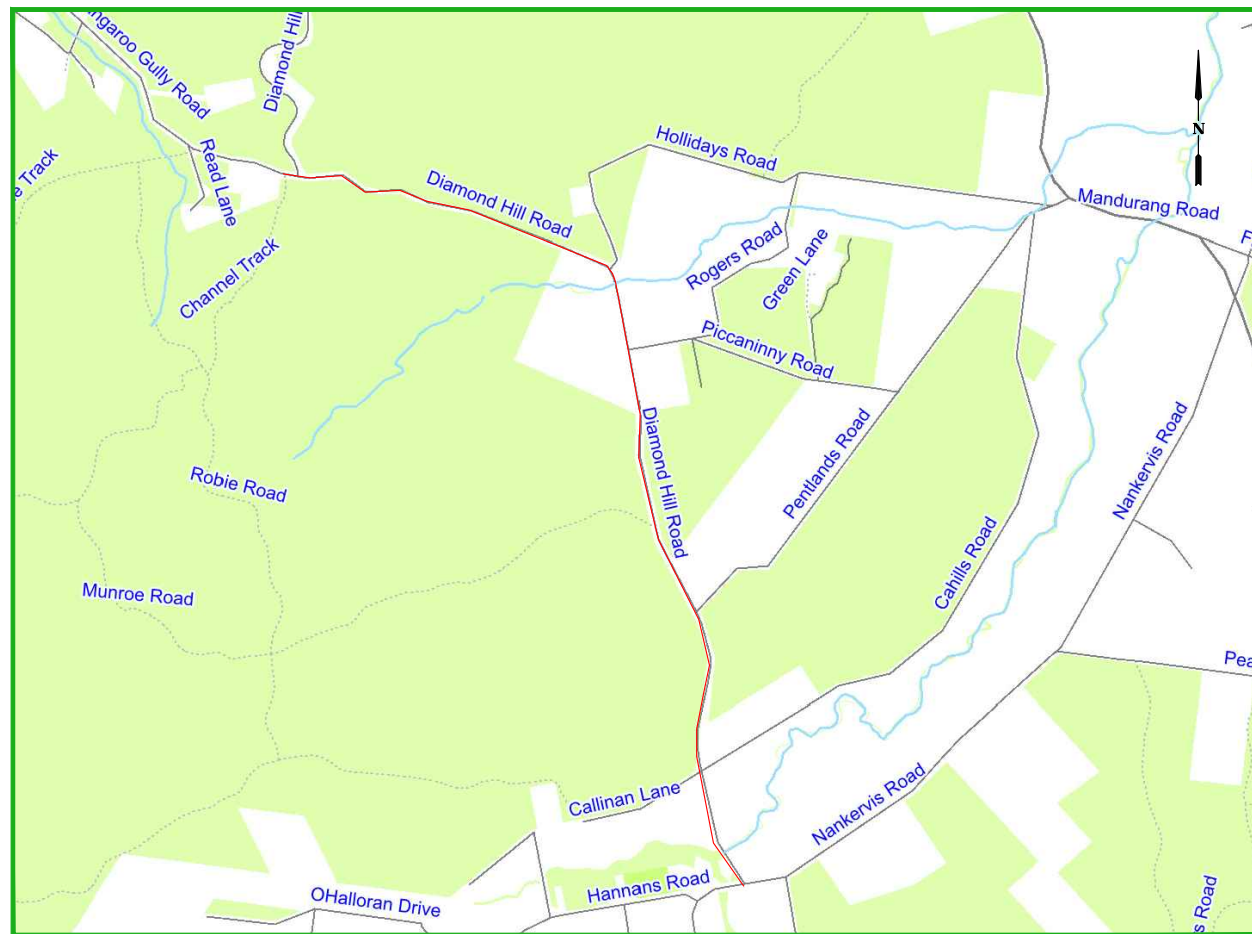
GB4364

BLACKSPOT

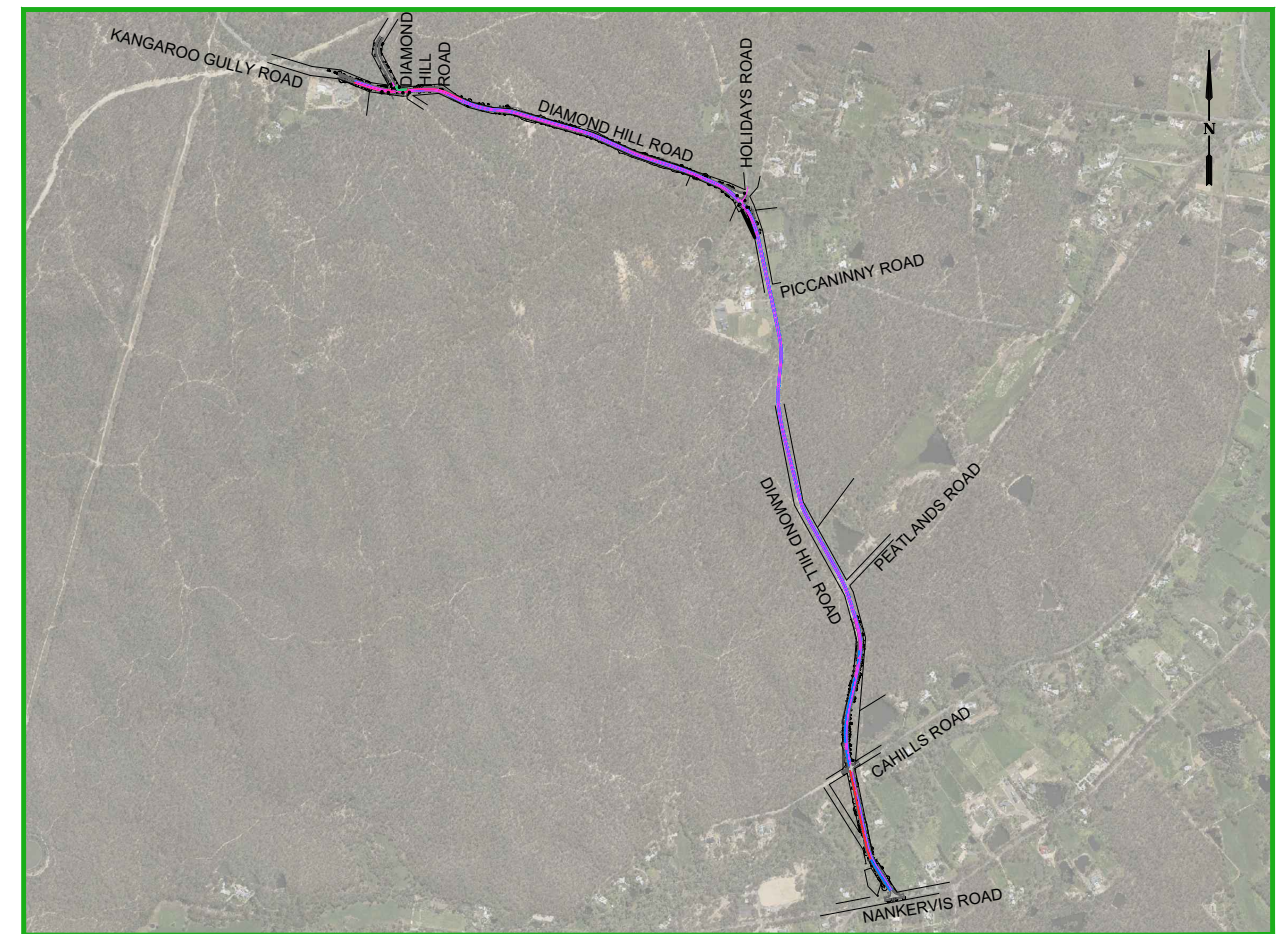
APRIL 2023



DOCUMENT CONTROL				
SHEET No.	SHEETD ESC.	05/04/2023	20/04/2023	09/05/2023
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A	A	A
2	GENERAL NOTES & TYPICAL SECTION	A	A	A
3	OVERALL & LAYOUT CONTROL	A	A	A
4	DETAIL PLAN	A	A	A
5	DETAIL PLAN	A	A	A
6	DETAIL PLAN	A	A	A
7	DETAIL PLAN	A	A	A
8	KERB LONG & CROSS SECTIONS	A	A	A
9	SETOUT	A	-	A



LOCALITY MAP



PROJECT EXTENTS

PROJECT PLANNING REQUIREMENTS				AMENDMENTS			
Item	Required	Approved	Comments	Revision	Description	Approved by	Date
Vegetation	No	No	-	-	-	-	-
DTP - Vicroads	No	No	-	-	-	-	-
CMA	No	No	-	-	-	-	-
Planning Permit	No	No	-	-	-	-	-
Land Acquisition	No	No	-	-	-	-	-
CHMP	No	No	-	-	-	-	-
Other	No	No	-	-	-	-	-



CITY OF GREATER BENDIGO

DIAMOND HILL ROAD
MANDURANG
BLACKSPOT
COVER SHEET

Survey	TOMKINSON	01/03/2019
Design	A. SMITH	15/02/2023
Checked	L. OLIVER	01/05/2023
Approved by	N. SARTORI	08/05/2023
Scale: -	Revision: A	
Original sheet size: A3	File: GB4364.dwg	
Sheet: 1 OF 9	Reference: GB4364	

ISSUED FOR
CONSTRUCTION

Plot Date: 12/05/2023
Plotted By: ANDREW SMITH

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
- 210 Geotextiles in Earthworks

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
- 702 Subsurface Drainage
- 703 General Concrete Paving
- 704 Precast Concrete Kerb
- 705 Drainage Pits and Covers
- 709 Guide Posts
- 710 Fixing Raised Pavement Markers
- 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 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	Approved	Comments
Vegetation	No	No	-
DTP - Vicroads	No	No	-
CMA	No	No	-
Planning Permit	No	No	-
Land Acquisition	No	No	-
CHMP	No	No	-
Other	No	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

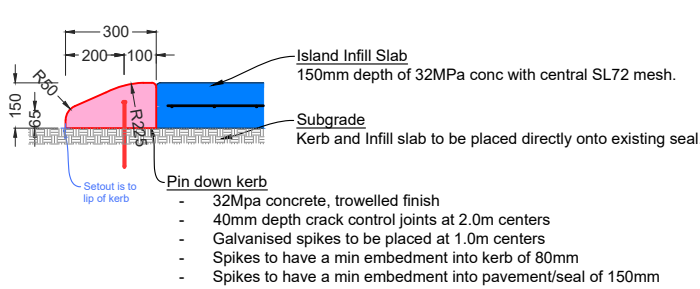
SITE ENVIRONMENTAL MANAGEMENT PLAN

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:

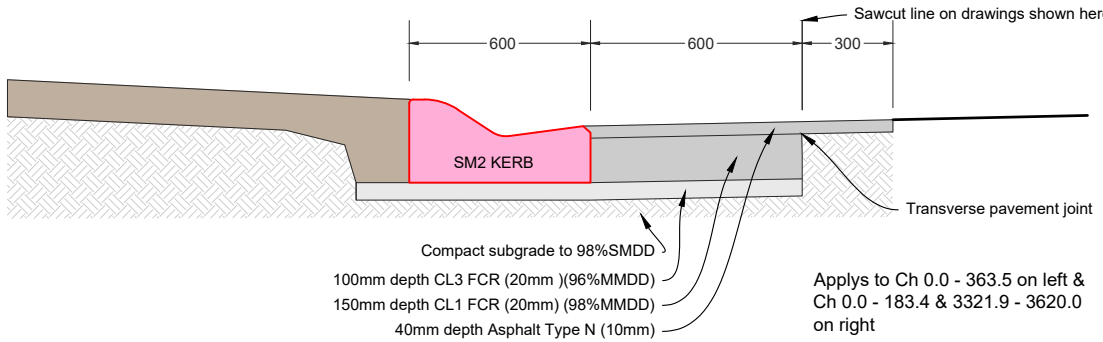
- Communication and induction for staff, contractors and sub contractors
- Communication with appropriate adjacent residents/businesses
- Noise and Vibration
- Dust and contamination
- Chemicals
- Erosion and sediment
- Waste
- Vehicle and roadside management
- Vegetation, with particular focus on any 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.



PINNED DOWN KERB DETAIL
1:25



TYPICAL FULL DEPTH PAVEMENT DETAIL
1:25

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.

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

DIAMOND HILL ROAD

MANDURANG

BLC AKSPOT

GENERAL NOTES & TYPICAL SECTIONS

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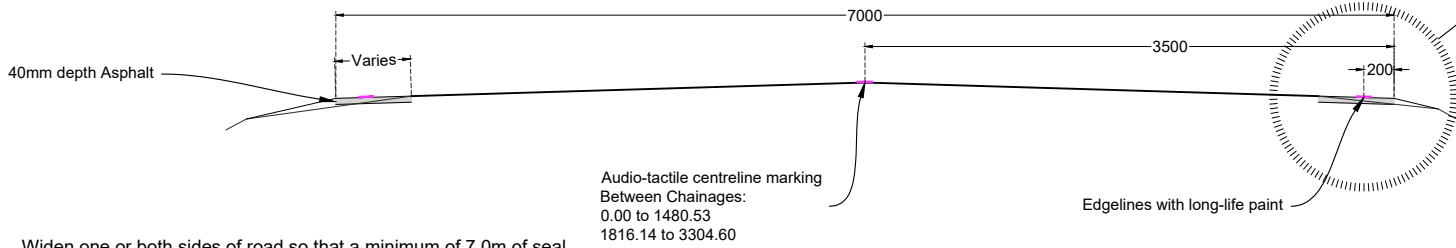
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1200x900 Blackspot signs to be installed at either end of project

STATION DATA				
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101	TBM 101	255859.651	5921560.659	317.523
102	TBM 102	255923.126	5921442.736	308.564
103	TBM 103	256039.800	5921447.648	302.098
104	TBM 104	256227.236	5921380.916	299.621
105	TBM 105	256506.162	5921293.407	294.310
107	TBM 107	256762.191	5921191.413	282.485
108	TBM 108	257074.618	5921053.694	270.423
110	TBM 110	257389.948	5919778.884	291.270
111	TBM 111	257457.249	5919578.444	283.960
112	TBM 112	257396.512	5919332.499	281.165
113	TBM 113	257419.140	5919149.147	278.824
114	TBM 114	257487.683	5918911.983	271.590
115	TBM 115	257568.525	5918756.591	274.686
116	TBM 116	255753.490	5921476.677	301.283
500	PSM 127	256342.158	5921334.925	298.581
502	PSM 74	257509.021	5918764.790	272.914

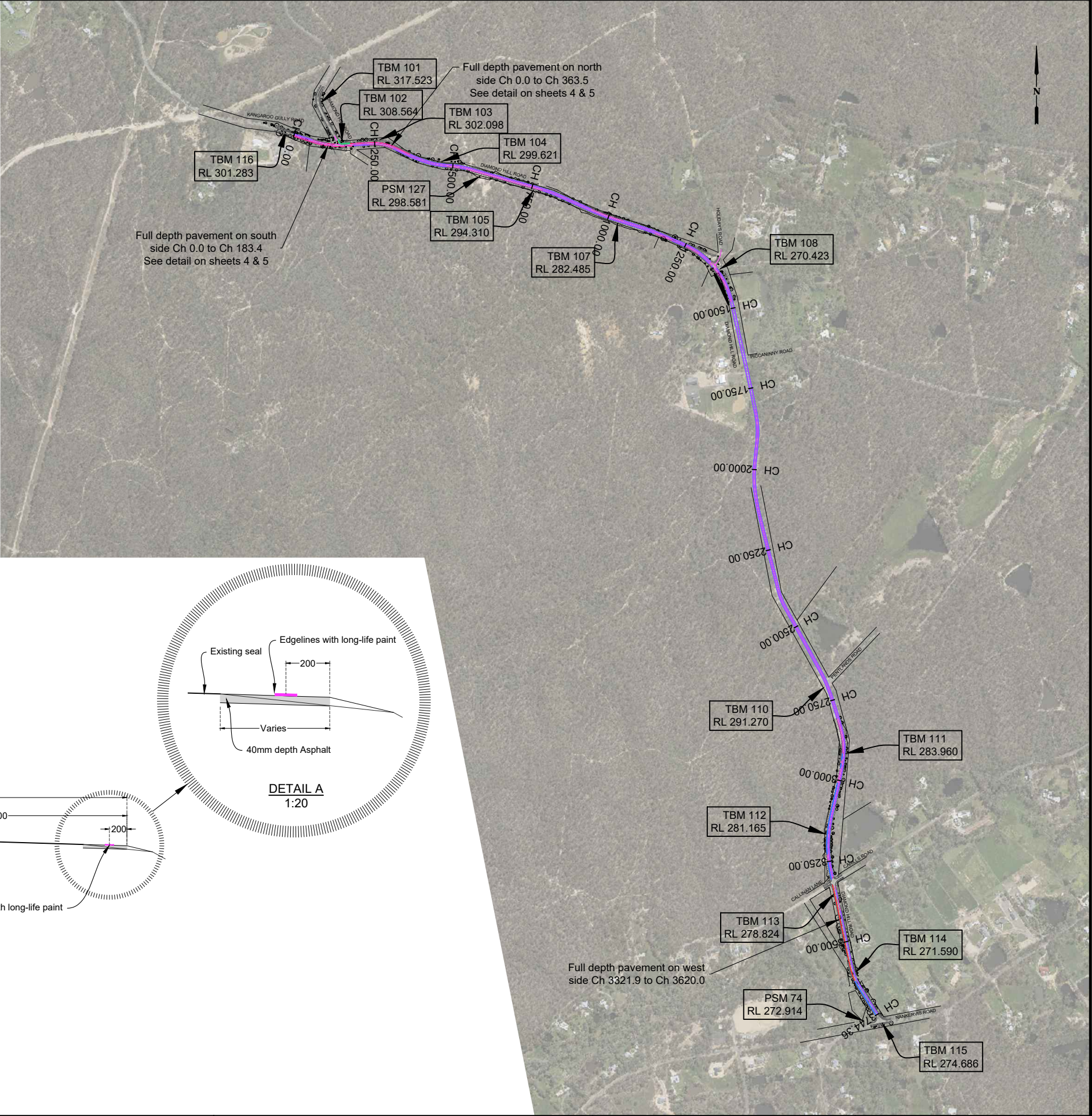
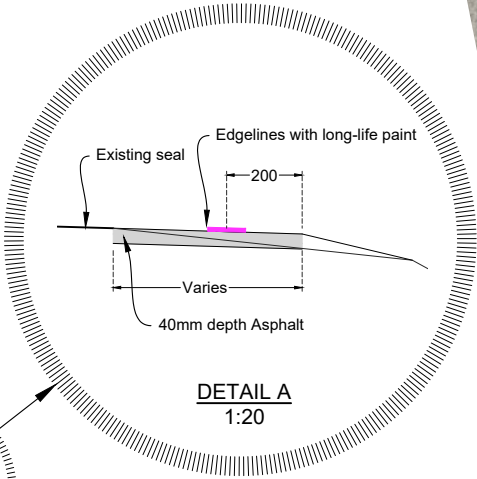


Widen one or both sides of road so that a minimum of 7.0m of seal exists (3.5m either side of centre line) except for section that is to be full depth pavement shown on sheet 2.

- Sawcut existing seal edges to create clean join line
- Shape and compact varying width of existing unsealed gravel shoulder out to 3.6m from center line
- Spray Emulsion to seal pavement
- Supply place and compact varying width of 40mm depth asphalt (Type H 10mm) out to 3.5m from center line
- Line mark new edge lines 3.3m from center of road line

Width of works will vary and are to be determined onsite based off the center line.

TYPICAL EDGE SEAL WIDENING
1:50



LEGEND	
	DESIGN FULL DEPTH PAVEMENT: (Refer to detail sheet 2)
	DESIGN EDGE SEAL WIDENING (Refer to detail sheet 3)

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-	-	-	-



CITY OF GREATER BENDIGO

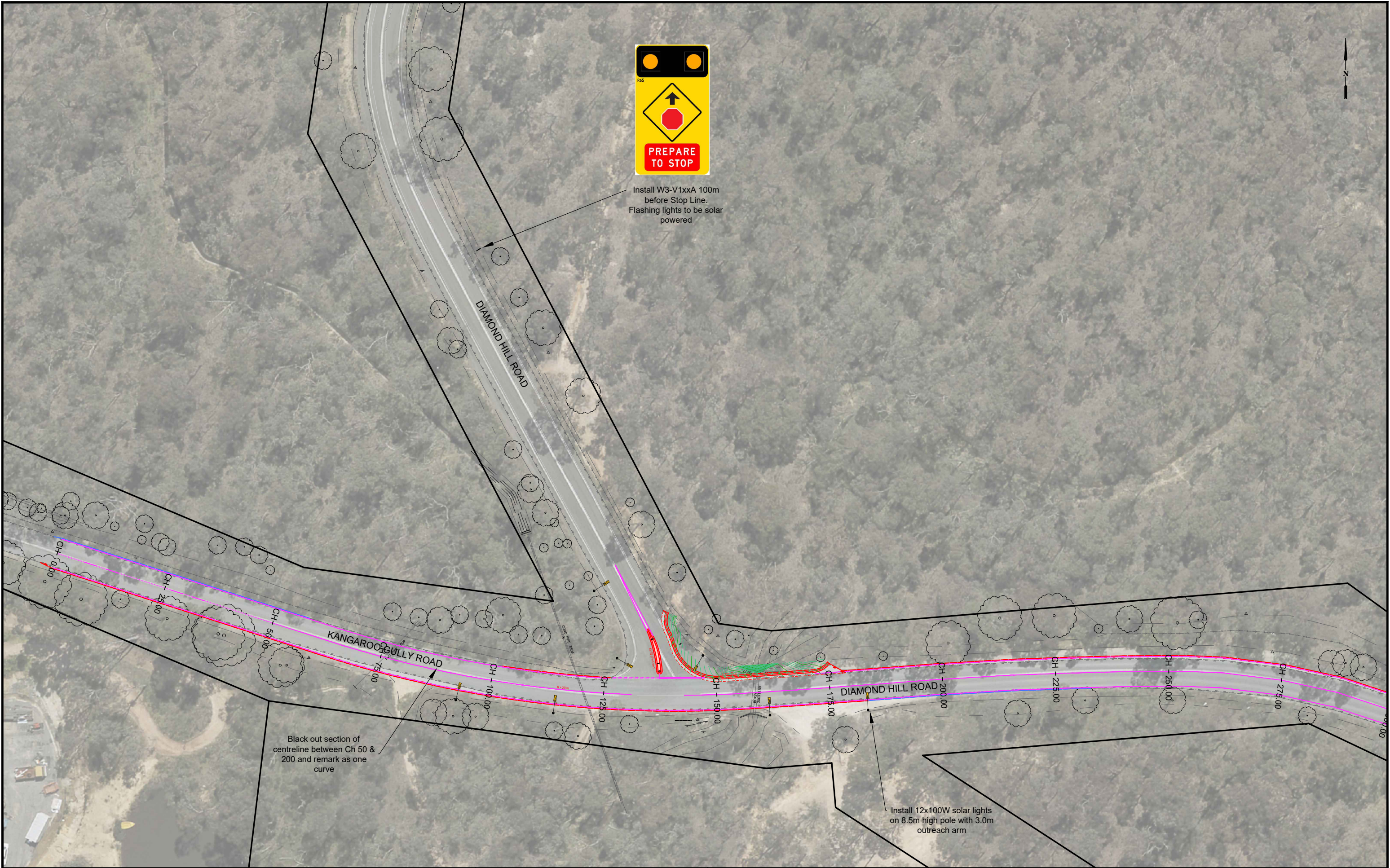
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BLCAKSPOT

OVERALL LAYOUT & CONTROL

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LEGEND

DESIGN EDGE OF SEAL

DESIGN CONCRETE KERB

DESIGN LINEMARKING

DESIGN FULL DEPTH PAVEMENT:
(Refer to detail sheet 2)

DESIGN EDGE SEAL WIDENING
(Refer to detail sheet 3)

AMENDMENTS				
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CITY OF GREATER BENDIGO

DIAMOND HILL ROAD

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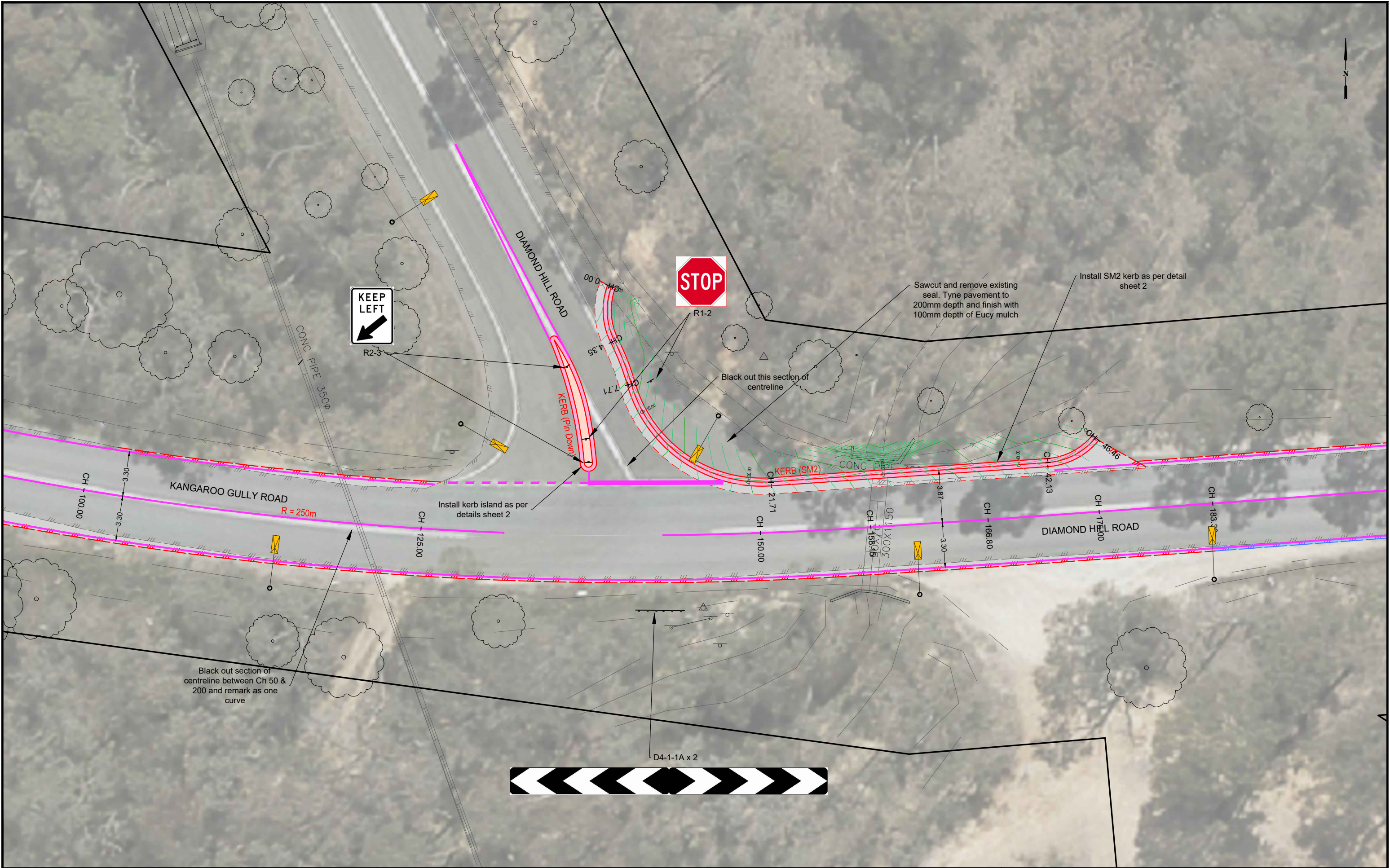
DETAIL PLAN

Survey	TOMKINSON	01/03/2019
Design	A. SMITH	15/02/2023
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Scale: 1 : 750	Revision : A	
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LEGEND	
	DESIGN EDGE OF SEAL
	DESIGN CONCRETE KERB
	DESIGN LINEMARKING
	DESIGN FULL DEPTH PAVEMENT: (Refer to detail sheet 2)
	DESIGN EDGE SEAL WIDENING (Refer to detail sheet 3)

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MANDURANG
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DETAIL PLAN

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LEGEND

DESIGN EDGE OF SEAL

DESIGN CONCRETE KERB

DESIGN LINEMARKING

DESIGN FULL DEPTH PAVEMENT:
(Refer to detail sheet 2)

DESIGN EDGE SEAL WIDENING
(Refer to detail sheet 3)

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ISSUED FOR
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LEGEND


 DESIGN EDGE OF SEAL

 DESIGN LINEMARKING

 DESIGN FULL DEPTH PAVEMENT:
(Refer to detail sheet 2)

 DESIGN EDGE SEAL WIDENING
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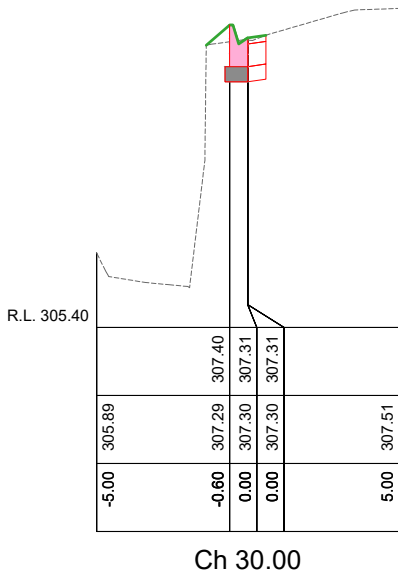
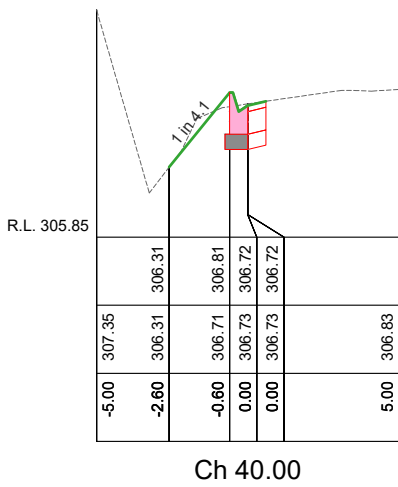
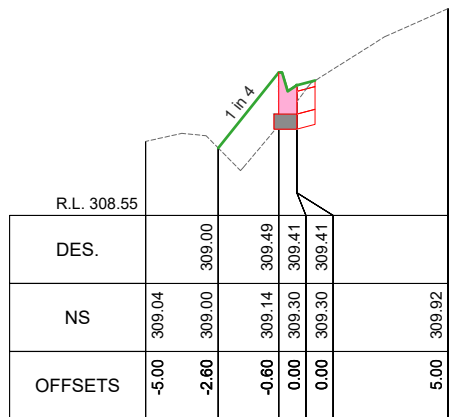
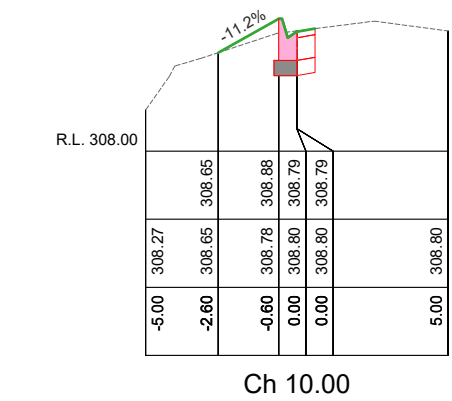
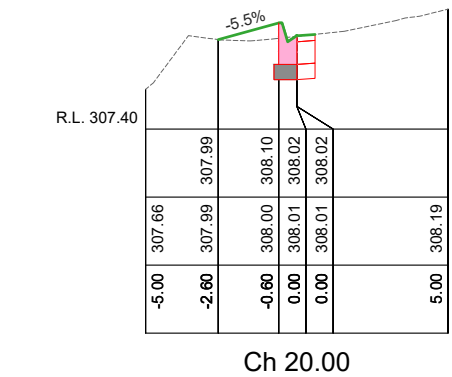
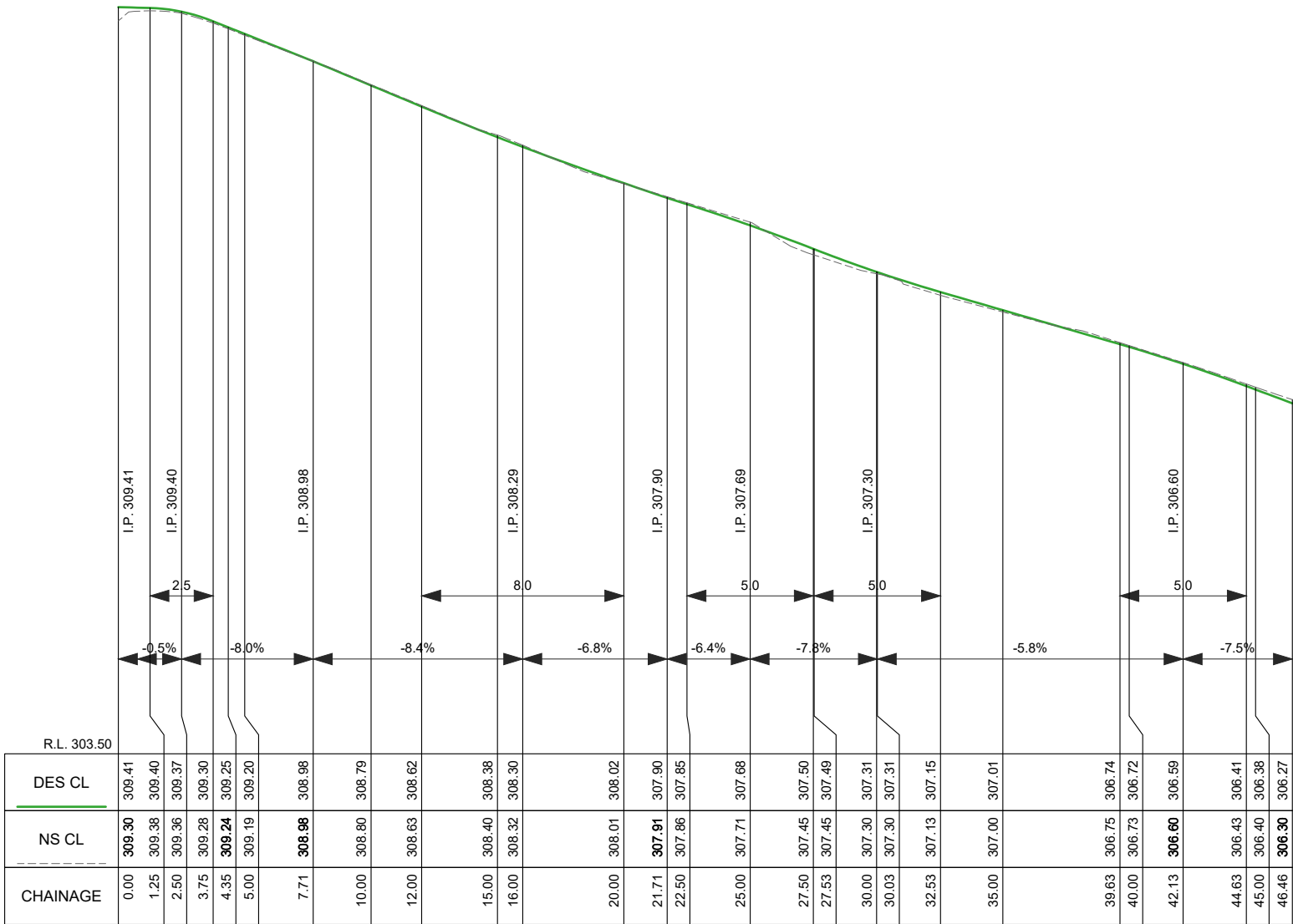
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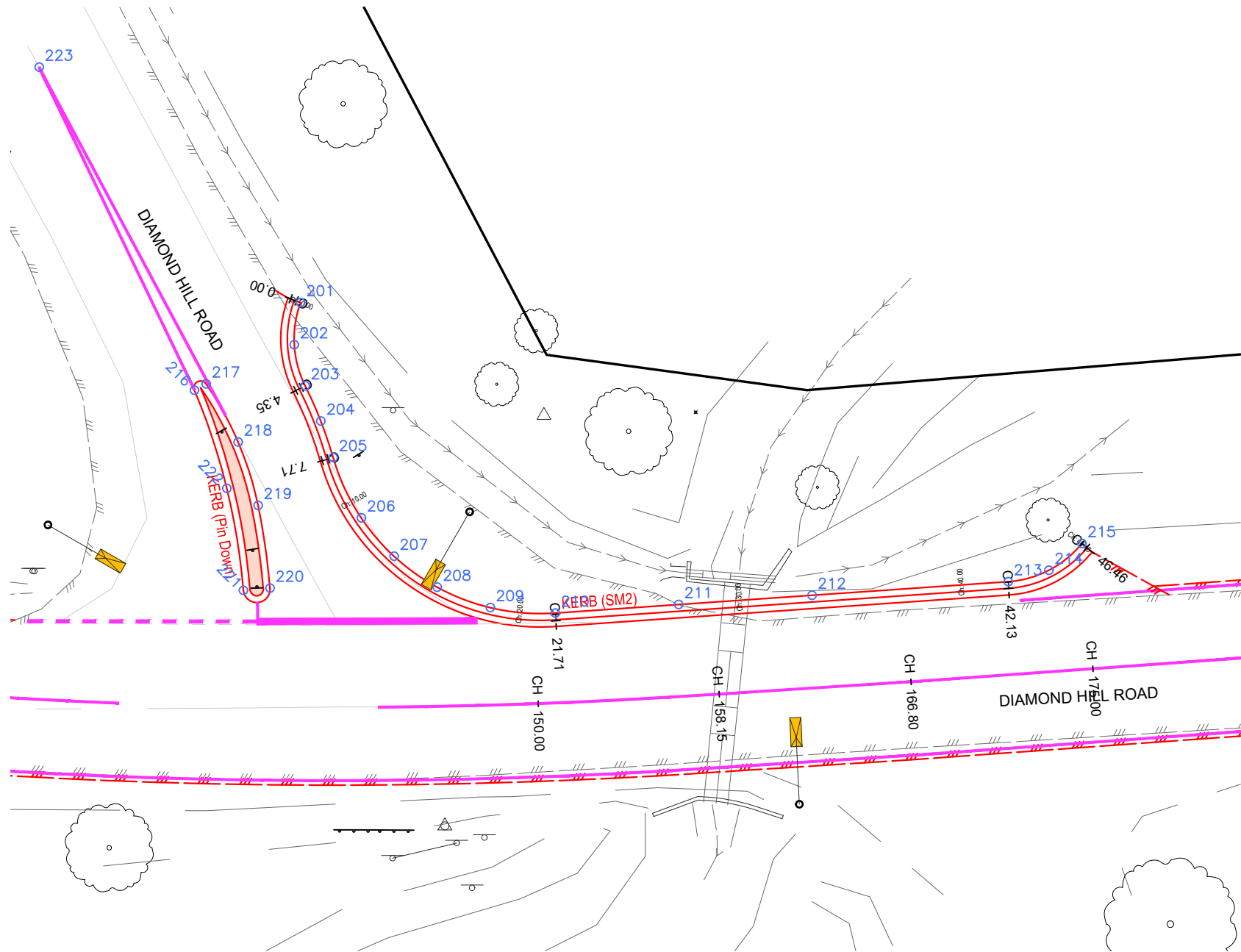
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KERB LONG & CROSS SECTIONS

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500	PSM 127	256342.158	5921334.925	298.581
502	PSM 74	257509.021	5918764.790	272.914

SETOUT			
Point #	Easting	Northing	Level
201	255912.180	5921447.810	309.495
202	255911.893	5921445.917	309.471
203	255912.385	5921444.067	309.335
204	255913.089	5921442.482	309.201
205	255913.645	5921440.840	309.067
206	255914.911	5921438.128	308.800
207	255916.383	5921436.402	308.600
208	255918.324	5921435.010	308.400
209	255920.712	5921434.092	308.200
210	255923.638	5921433.844	307.985
211	255929.183	5921434.230	307.600
212	255935.185	5921434.646	307.200
213	255944.007	5921435.257	306.672
214	255945.840	5921435.771	306.520
215	255947.319	5921436.970	306.359
216	255907.406	5921443.866	0.000
217	255907.930	5921444.152	0.000
218	255909.371	5921441.537	0.000
219	255910.265	5921438.687	0.000
220	255910.801	5921434.965	0.000
221	255909.605	5921434.868	0.000
222	255908.862	5921439.454	0.000
223	255900.420	5921458.397	0.000

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