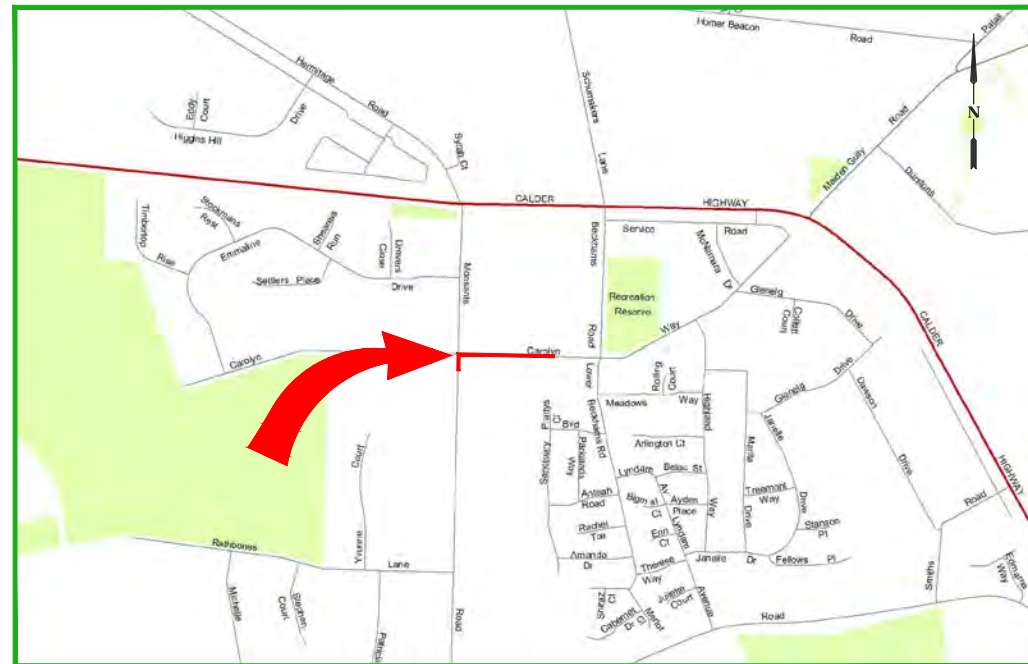


CAROLYN WAY, MAIDEN GULLY

GB4948

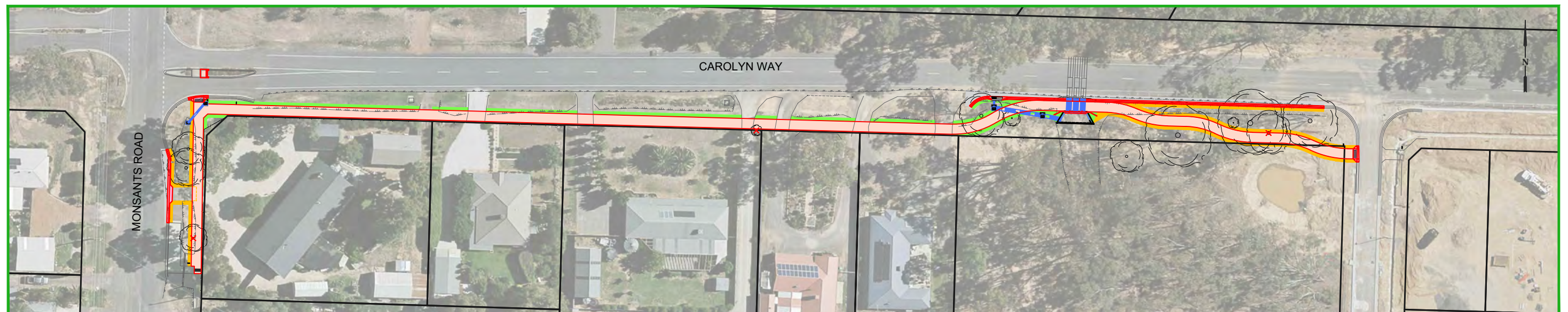
FOOTPATH CONSTRUCTION

JANUARY 2023



LOCALITY MAP

DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	01/02/23	xx/xx/23	xx/xx/23
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES & TYPICAL SECTION	A		
3	DETAIL PLAN & LONG SECTION	A		
4	DETAIL PLAN & LONG SECTION	A		
5	DETAIL PLAN & LONG SECTION	A		
6	DETAIL PLAN & LONG SECTION	A		
7	DETAIL PLAN & LONG SECTION	A		
8	MONSANTS ROAD CROSS & LONG SECTIONS	A		
9	CAROLYN WAY CROSS SECTIONS	A		
10	CAROLYN WAY CROSS SECTIONS	A		
11	DRAINAGE DETAIL	A		
12	HEADWALL DETAIL	A		
13	SETOUT	A		
14	SETOUT	A		



PROJECT EXTENTS

PROJECT PLANNING REQUIREMENTS				AMENDMENTS			
Item	Required	Comments	Contractor	Revision	Description	Approved by	Date
Vegetation	Yes	Contact arborist prior to works		-	-	-	-
RRV	No	-					
CMA	No	-					
Planning Permit	No	-					
Land Acquisition	No	-					
CHMP	No	-					
Other	No	-					



CITY OF GREATER BENDIGO

CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

COVER SHEET

Survey	H. WHYTECK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4948.dwg	
Sheet: 1 OF 14	Reference: GB4948	

**PRELIMINARY DESIGN
DRAFT 6**

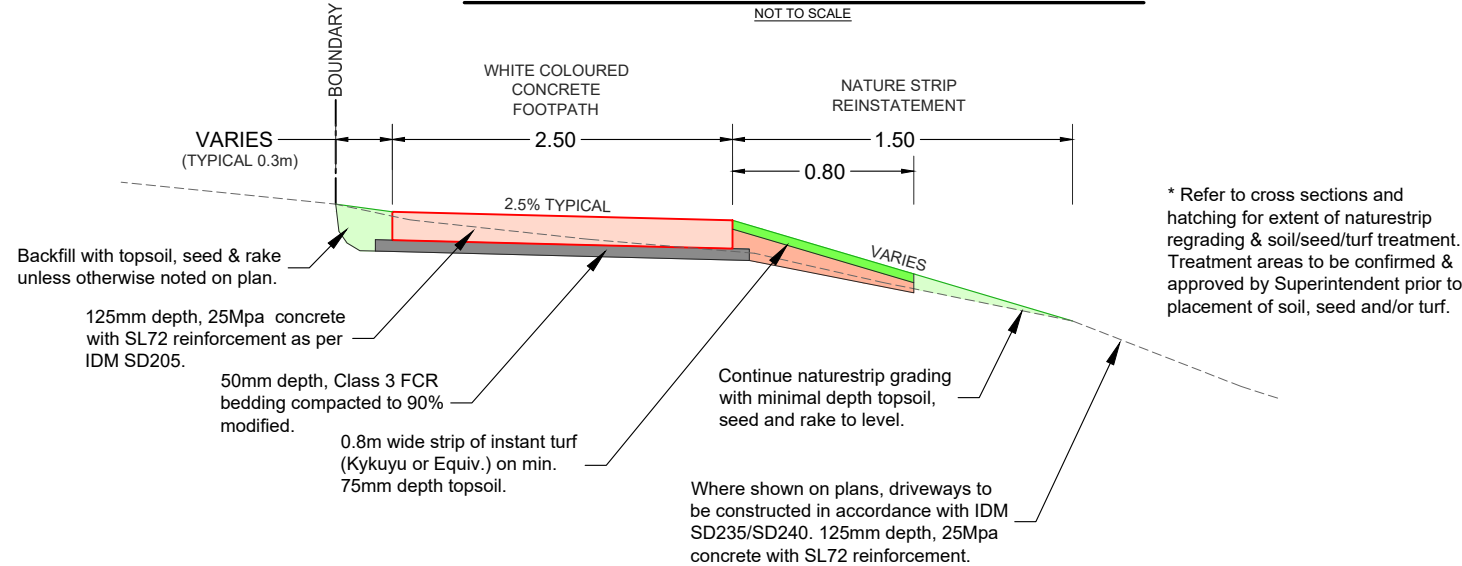
Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS



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.

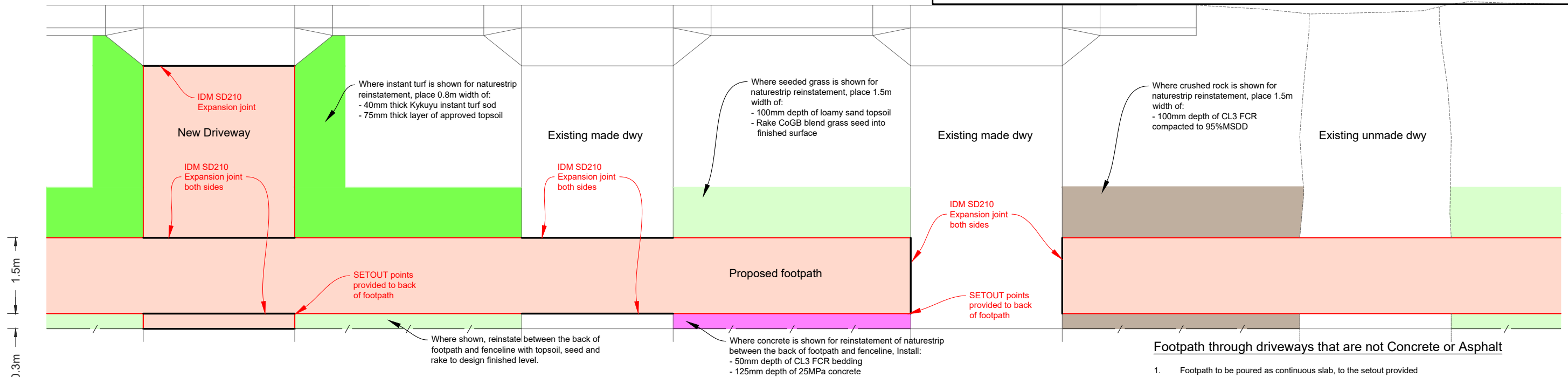
TYPICAL RESIDENTIAL FOOTPATH SECTION

NOT TO SCALE



TYPICAL FOOTPATH DETAILS AT DRIVEWAY CROSSINGS

NOT TO SCALE



New Driveway to be Constructed

- Footpath to be poured as continuous slab
- New concrete or asphalt driveway to be constructed only where indicated on the Construction plans
- New Concrete Dwy -
 - 125mm thick 25MPa concrete slab
 - Central SL72
 - 50mm CL3 FCR compacted to 90%MMDD
 - IDM SD210 Expansion joint at back of layback
 - IDM SD210 Expansion joint adjacent footpath
 - IDM SD210 Expansion joint adjacent existing conc dwy
- Asphalt Dwy -
 - 40mm type L (7mm stone)
 - 150mm CL3 FCR compacted to 96%MMDD
 - Timber edging (or reinstate existing owners edging as required by agreement with CoGB superintendent)
- Driveway to span to edge of property boundary unless noted otherwise

Footpath through existing Conc. or Asph. Dwy

- Sawcut
 - Existing Conc dwy - Sawcut 1.5 m wide to allow new conc. FP to be constructed
 - Existing Asph dwy - Sawcut 2.1 m wide to allow 1.5m conc. FP to be constructed
 - 300mm width of 40mm depth Type L asphalt on 150mm CL3 FCR compacted to 96%MMDD each side of footpath to ensure smooth transition from dwy to footpath to dwy
- Concrete footpath to be poured as continuous slab
- Footpath to match existing driveway levels unless Construction plans note otherwise
- Existing Conc Dwys are to have an IDM SD210 Expansion joint installed between the existing driveway and the new footpath on both sides

Match footpath to existing Conc. dwy

- Footpath to match levels of existing driveway edges
- IDM SD210 expansion joint to be installed where footpath matches into existing concrete driveway

Footpath through driveways that are not Concrete or Asphalt

- Footpath to be poured as continuous slab, to the setout provided
- To reinstate driveway, place and compact an area of material that matches the existing driveway material (eg white pebbles, brick paving, crusher dust, etc).
 - The width of the material to be placed is to match the width of the existing driveway material
 - The depth of the driveway material is to be 125mm. Any extra filling required to match the level of the footpath is to be done with approved clean material which is to be compacted to 95%SMDD
 - Where there is no material (eg earth), Class 3 FCR shall be used.
- The new driveway material shall extend to a minimum of 0.3m away from the footpath on both sides of the new footpath.
 - If 0.3m offset is not adequate to create a smooth vertical transition for vehicles traversing the driveway, the offset of new driveway material shall be increased to a maximum of 2.0m.
 - If the new material is required to enter private property, approval must be sought from the property owner prior to installation.
 - If a transition greater than 2.0m is required, approval must be sought from the Superintendent

FOOTPATH CONSTRUCTION NOTES

- Footpath to be constructed to IDM SD205 unless noted otherwise.
- An IDM SD210 expansion joint shall be provided at any joint with existing footpath, kerb, bridge or structural slab unless noted otherwise, or as directed by the superintendent.
- IDM SD210 expansion joints along new sections of footpath are to be at a maximum separation of 14m centres as per IDM SD205.
- Tool joints are to be at 1.5m centres for 1.5m wide footpath, 2.5m centres for 2.5m wide footpath and to be constructed as per IDM SD210 unless noted otherwise.
- Batter work and associated top soiling is to be limited to 2.0m from design edge of the footpath or unless otherwise noted. This width cannot be altered without consent from the superintendent.
- Plant and equipment is to be kept within the finished works area to avoid unnecessary damage to nature strips.
- Pedestrian crossings are to be as per CoGB SD192.
- All TGSIs are to be black (if on plain concrete), or white (if on black concrete) and shall be fibre reinforced polymer type and positioned in accordance with AS1428 unless noted otherwise or by direction from the Superintendent.
- Any residential mailboxes found to be in conflict with councils proposed assets (within the road reserve) shall be relocated to a position within the property in consultation with the landowner. Should the mailbox be a brick or concrete structure, the mailbox shall be demolished and consultation with the Superintendent shall be sought prior to reconstruction of a similar structure within the property.
- Once works are completed, contractor must undertake a site walk with the Superintendent to identify any hazards or level differences with the works area. Once the site walk is complete, the area may be opened to public use.
- All fill material is to be clean clay based soil, free of vegetative matter and is to be approved by the Superintendent prior to use.
- All earthworks are to be in accordance with VicRoads Specification Section 204.
- If property stormwater outlets (not already identified on plan) are located during construction, it is the Contractors responsibility to connect them into council underground drainage or back of kerb (As per IDM SD 510 & IDM SD 505) to the approval of the Superintendent's Representative.

NOTES ON SERVICE AUTHORITY ASSETS WITHIN THE WORKS AREA

SERVICE AUTHORITY UNDERGROUND INFRASTRUCTURE

- The location of underground services has been derived from available information, and shown on the plans. However accuracy can not be guaranteed. All existing service information should therefore be treated as indicative only and exact service locations must be arranged onsite prior to commencement of any excavation. The contractor will be held responsible for any damage caused to underground services.

PIT LIDS and VALVE COVER LEVELS and LOCATION

- All service pit lids or valve covers within the works area are to be raised or lowered to match design surface level unless noted otherwise on the construction plans, or by approval from the Superintendent.
- Any service authority marker posts found within the works area are to be relocated adjacent to their current position to a point 150mm offset from the nearest property boundary.

SERVICE AUTHORITY ASSET RENEWAL

- Any sewer pit covers and or water valve covers within the works area are to be renewed to Coliban Water standards unless noted otherwise.
- PSM covers are to be renewed to CoGB standards using a 300x300mm galvanised steel checker plate flat cover.
- All other valve covers or pits within the works area are not to be renewed unless noted otherwise on the construction plans, or by agreement with the Superintendent.

IRRIGATION (COGB OR PRIVATE)

- Contractor responsible for location of irrigation prior to works beginning.
- Any conflicts between existing irrigation and footpath works to be resolved with superintendent onsite during works.

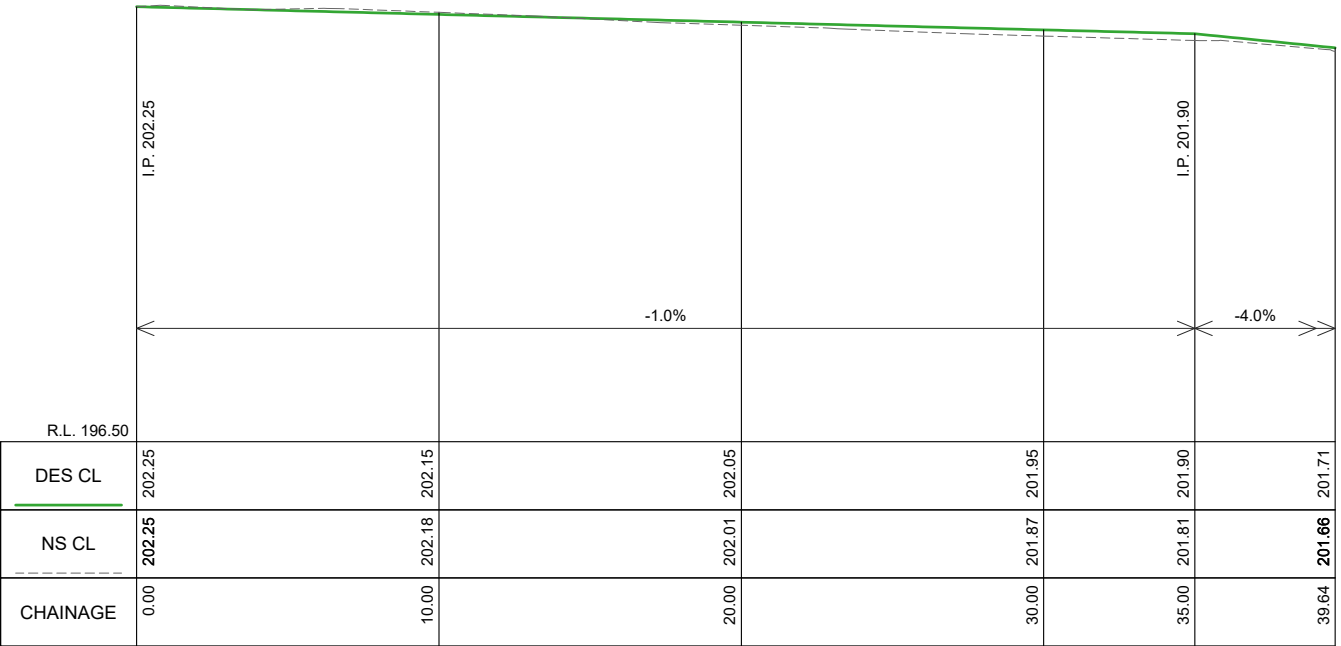
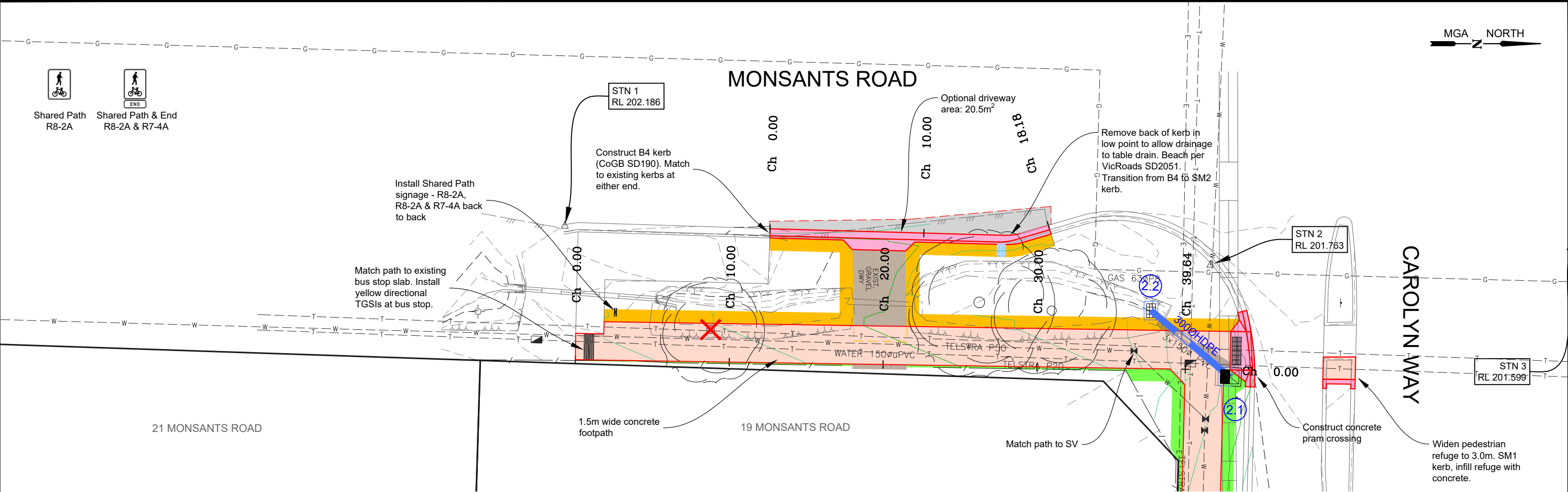
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO	
CAROLYN WAY MAIDEN GULLY NEW FOOTPATH	
GENERAL NOTES & TYPICAL SECTION	

Survey	H. WHYTECK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4948.dwg	
Sheet: 2 OF 14	Reference: GB4948	

**PRELIMINARY DESIGN
DRAFT 6**

Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS



MONSANTS ROAD FOOTPATH LONGITUDINAL SECTION CH 0.000 To 39.641
SCALES: H 1:250 V 1:100 (A3)

Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,

Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,

Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,

Concrete kerb: per CoGB SD190, 191 & 192

Landscape: Instant Turf

Landscape: Mulch

Removal: Tree

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

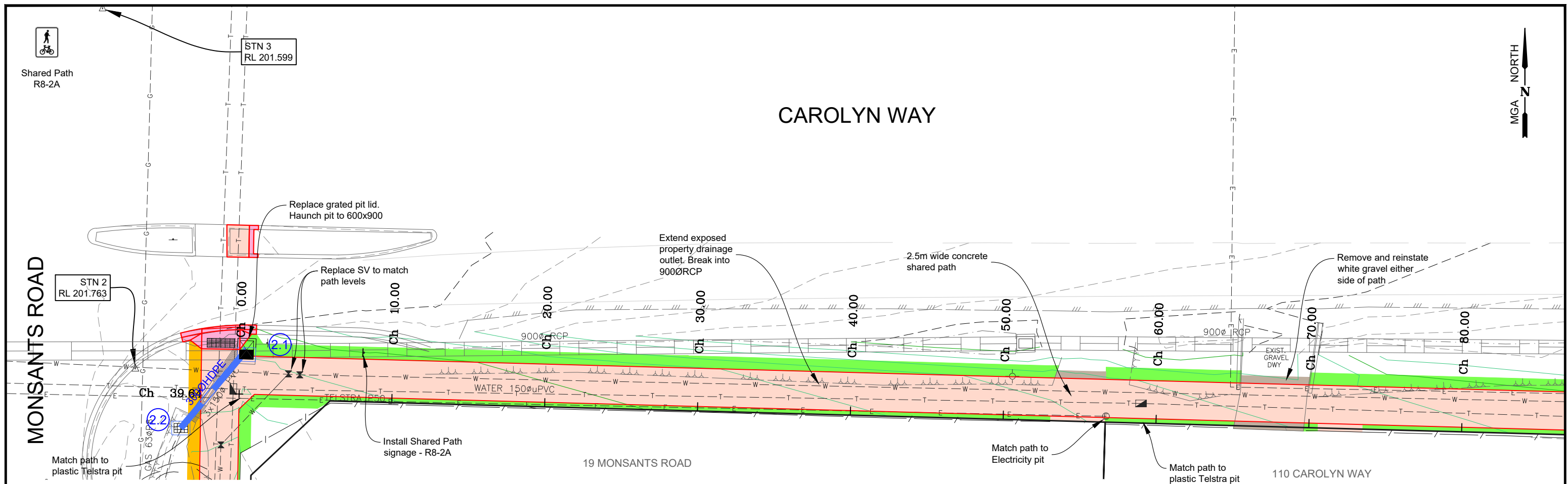
CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

DETAIL PLAN & LONG SECTION

Survey	H. WHYTECK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:250	Revision : A	
Original sheet size: A3	File : GB4948.dwg	
Sheet: 3 OF 14	Reference: GB4948	

PRELIMINARY DESIGN
DRAFT 6

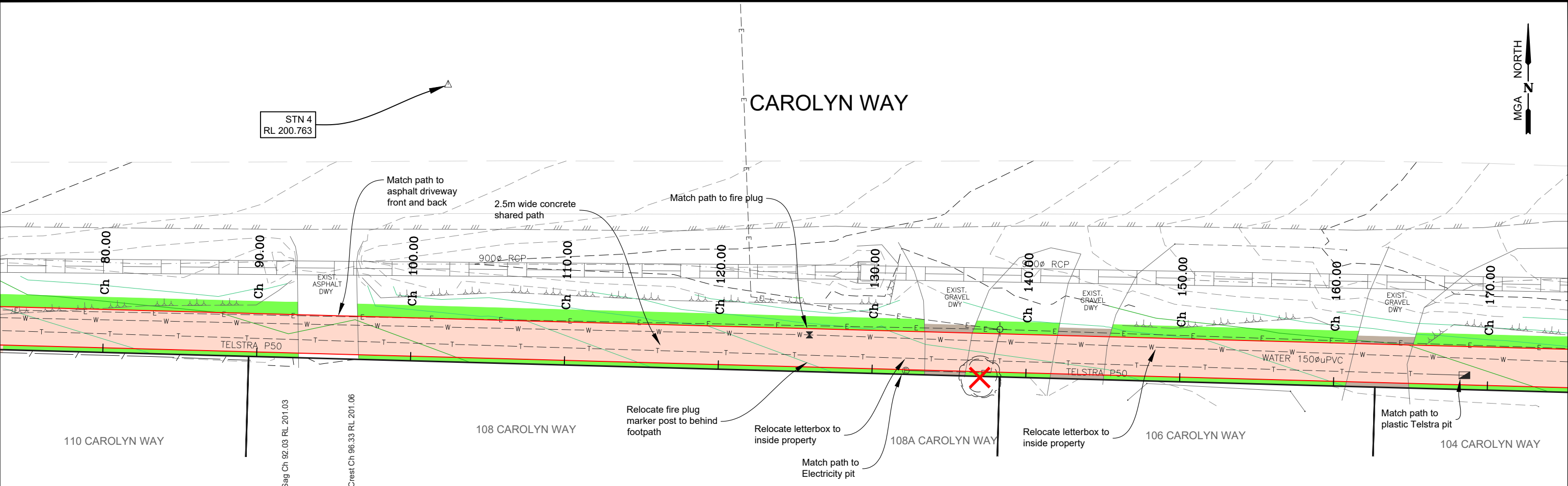
Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS



CHAINAGE	NS CL	DES CL	DES LK
0.00	201.66	201.66	
10.00	201.58	201.60	
20.00	201.47	201.53	
30.00	201.41	201.47	
40.00	201.34	201.41	
50.00	201.29	201.35	
53.12	201.33	201.33	
56.63	201.28	201.28	
60.00	201.23	201.25	
70.00	201.17	201.18	
80.00	201.12	201.11	

CAROLYN WAY FOOTPATH LONGITUDINAL SECTION CH 0.000 To 80.000
 SCALES: H 1:250 V 1:100 (A3)

LEGEND			AMENDMENTS				CITY OF GREATER BENDIGO			Survey			H. WHYTOCK			JUNE '22			PRELIMINARY DESIGN DRAFT 6				
			Revision		Description		Approved by		Date		Design			M. JENNINGS			JAN '23						
Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,						-		-		-		Checked			A. SMITH			-/-22					
Concrete kerb: per CoGB SD190, 191 & 192			Landscape: Mulch									Approved by			N. SARTORI			-/-22					
Asphalt reinstatement: Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,			Landscape: Instant Turf			Removal: Tree						Scale: 1:250			Revision : A								
												Original sheet size: A3			File : GB4948.dwg								
												Sheet: 4 OF 14			Reference: GB4948			Plot Date: 2/02/2023					
																		Plotted By: MEGAN JENNINGS					



DES LK			I.P. 201.03		I.P. 201.06						I.P. 200.74		I.P. 200.71					
DES CL	←← -0.7%		× 0.6%		×		-0.8%				× -0.3%		×		-0.8%		→→	
R.L. 193.50																		
DES LK																		
DES CL	201.11	201.05	201.03	201.06	201.03	200.94	200.86	200.77	200.74	200.72	200.71	200.67	200.60	200.52				
NS CL	201.12	201.13	201.03	201.06	200.97	200.85	200.77	200.71	200.74	200.70	200.71	200.68	200.59	200.53				
CHAINAGE	80.00	90.00	92.03	96.33	100.00	110.00	120.00	130.00	133.43	140.00	145.34	150.00	160.00	170.00				

CAROLYN WAY FOOTPATH LONGITUDINAL SECTION CH 80.000 To 170.000
SCALES: H 1:250 V 1:100 (A3)

LEGEND

Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,

Asphalt reinstatement: Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,

Concrete kerb: per CoGB SD190, 191 & 192

Landscape: Instant Turf

Landscape: Mulch

Removal: Tree

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

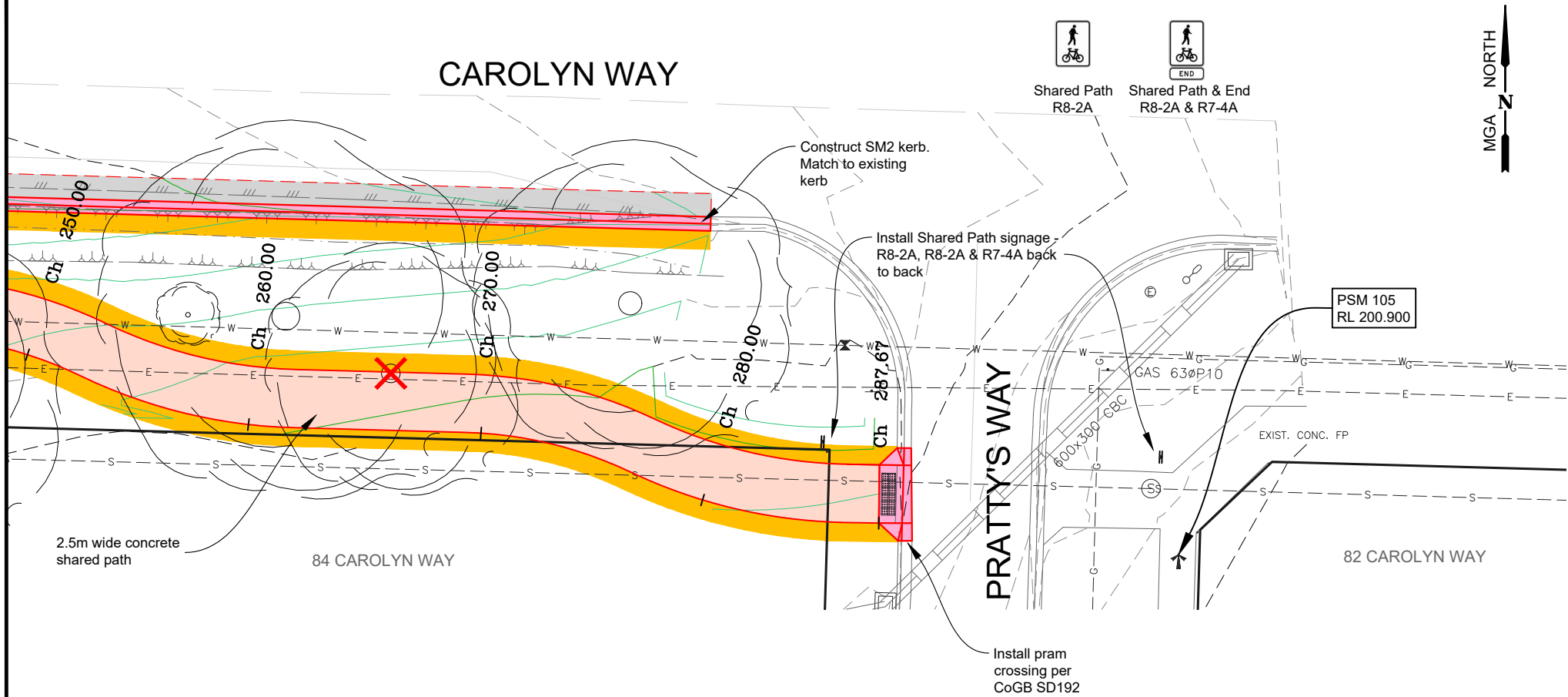
DETAIL PLAN & LONG SECTION

Survey	H. WHYTOK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:250	Revision : A	
Original sheet size: A3	File : GB4948.dwg	
Sheet: 5 OF 14	Reference: GB4948	

PRELIMINARY DESIGN
DRAFT 6

Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS

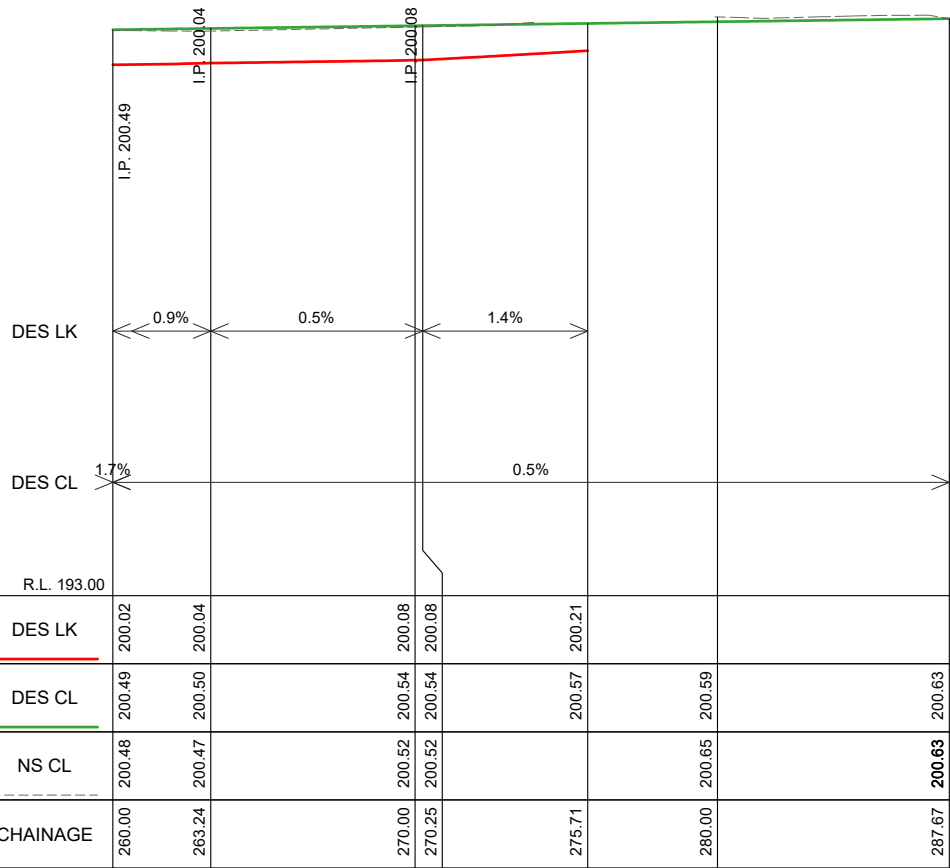
CAROLYN WAY



84 CAROLYN WAY

82 CAROLYN WAY

PRATTY'S WAY



CAROLYN WAY FOOTPATH LONGITUDINAL SECTION CH 260.000 To 287.669
SCALES: H 1:250 V 1:100 (A3)

LEGEND

- Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Concrete kerb: per CoGB SD190, 191 & 192
- Landscape: Mulch
- Asphalt reinstatement: Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Landscape: Instant Turf
- Removal: Tree

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

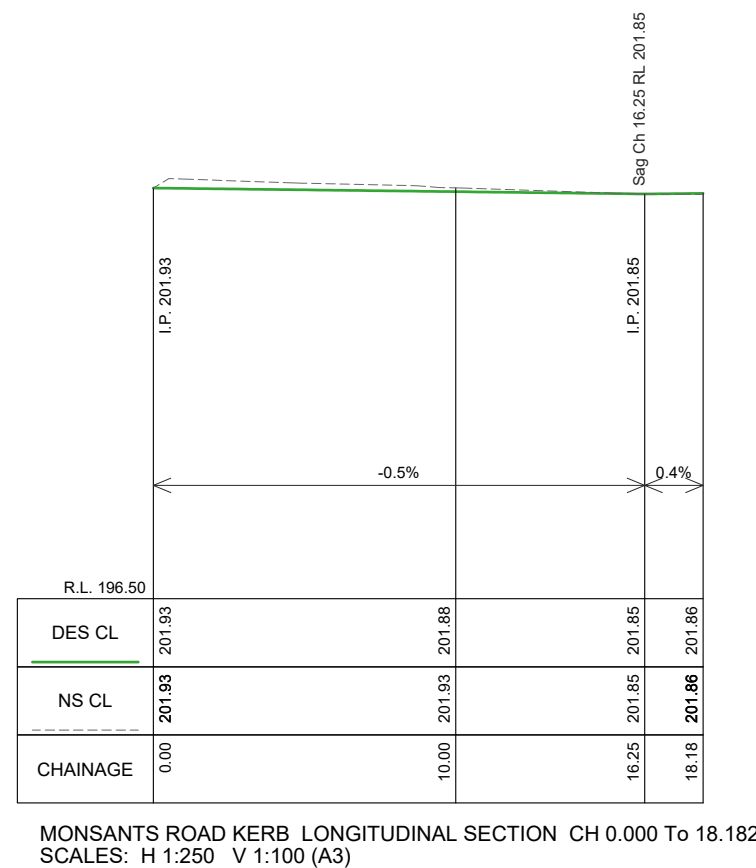
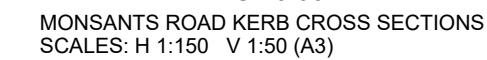
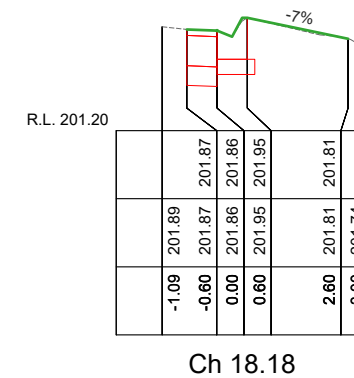
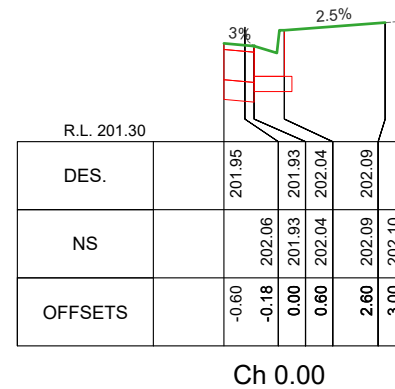
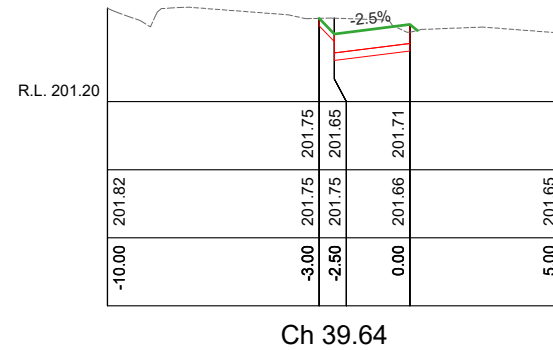
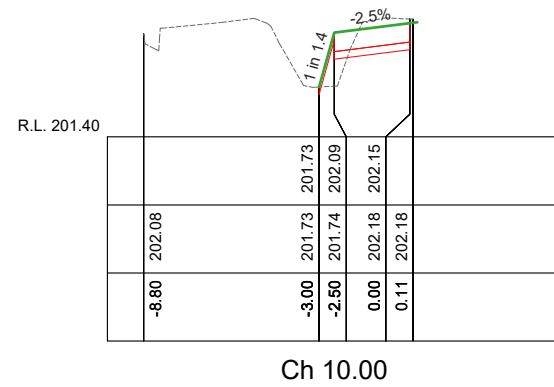
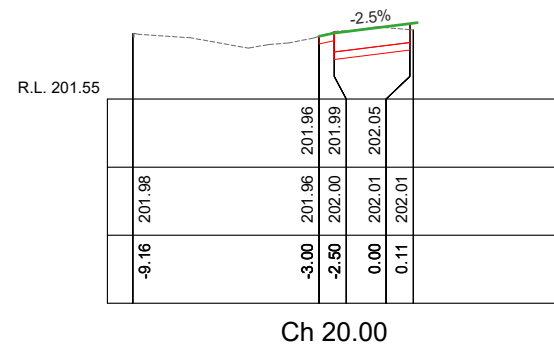


CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH
DETAIL PLAN & LONG SECTION

Survey	H. WHYTOCK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:250	Revision: A	
Original sheet size: A3	File: GB4948.dwg	
Sheet: 7 OF 14	Reference: GB4948	

PRELIMINARY DESIGN
DRAFT 6

Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS



AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

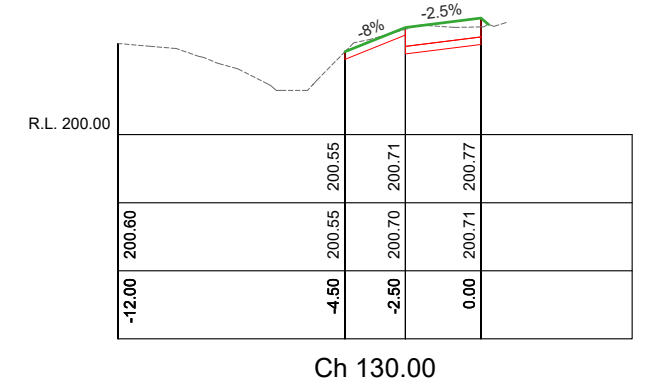
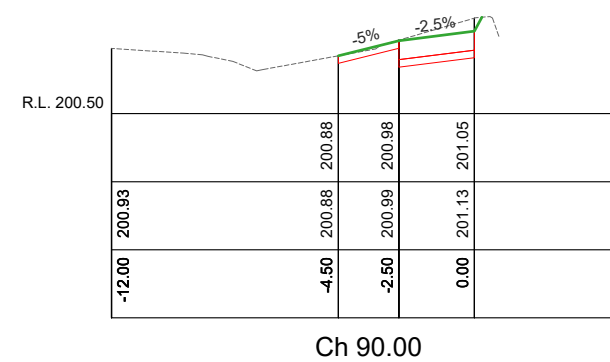
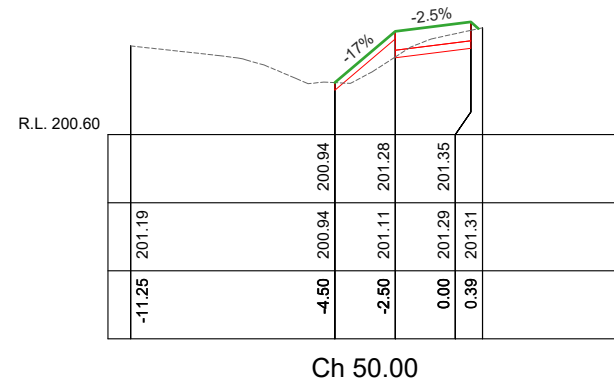
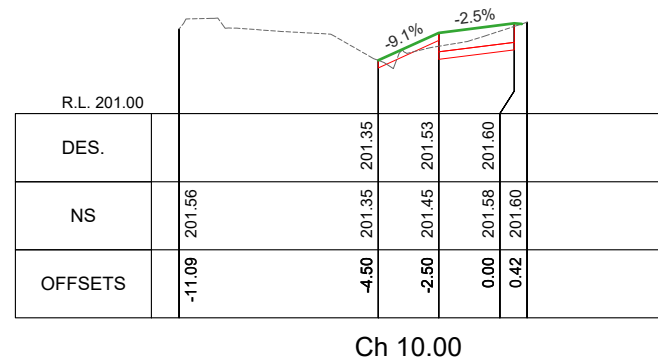
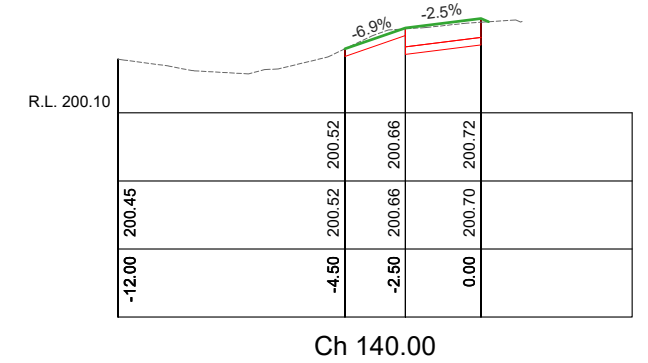
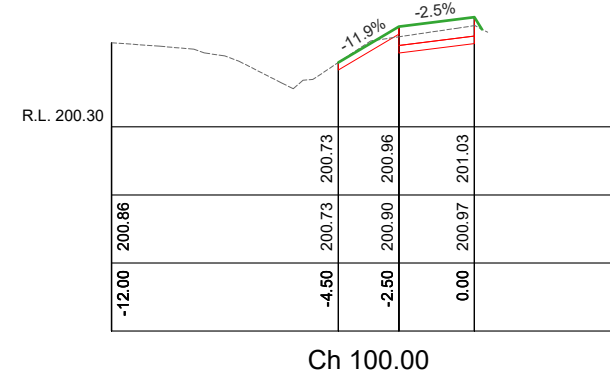
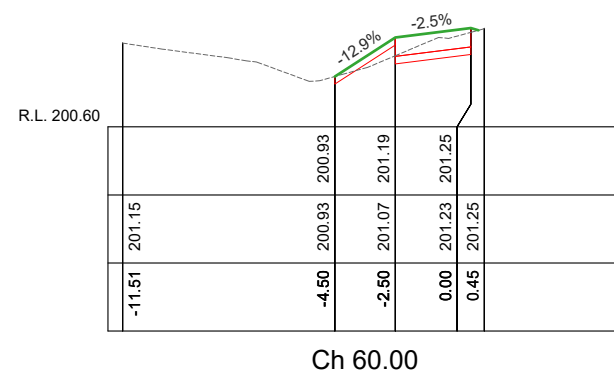
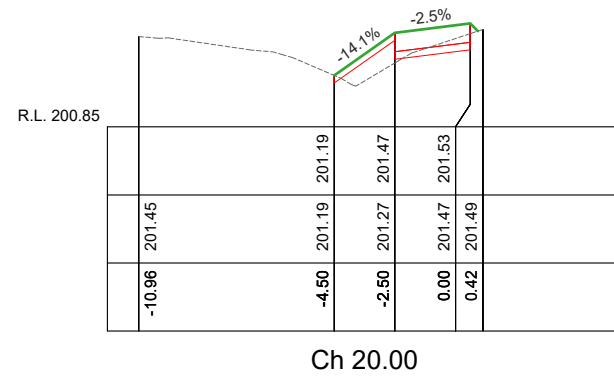
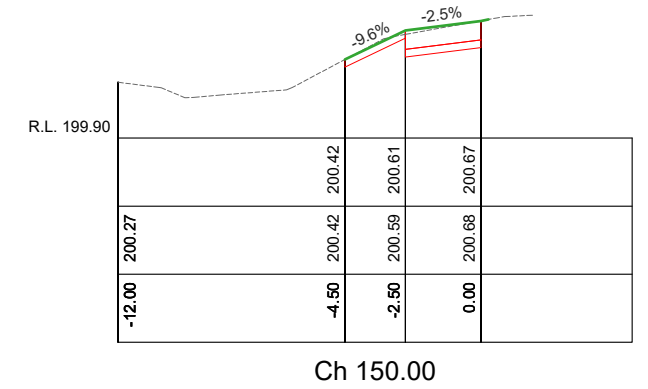
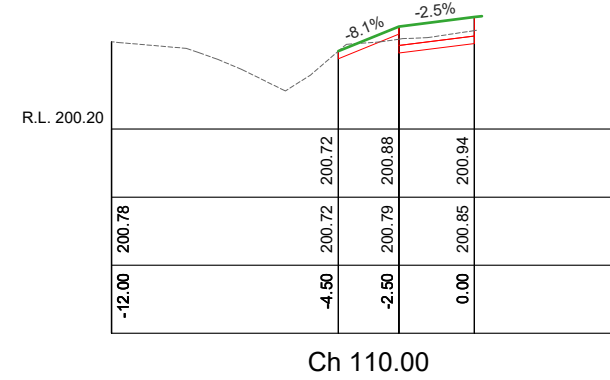
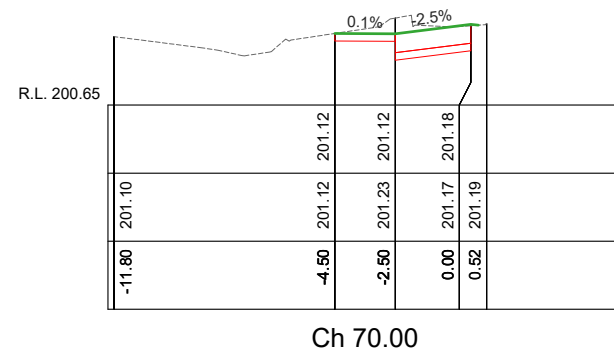
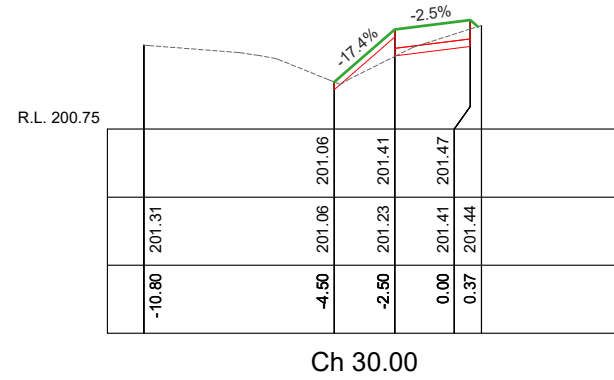
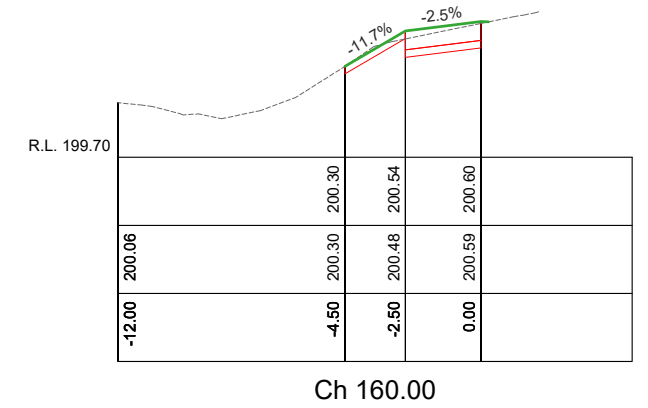
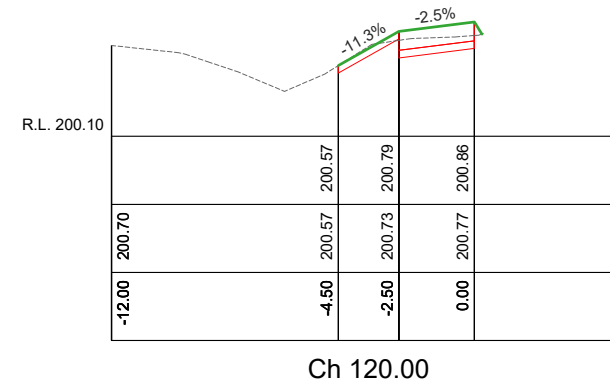
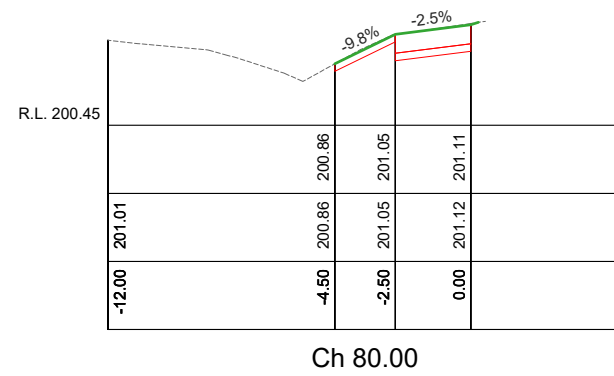
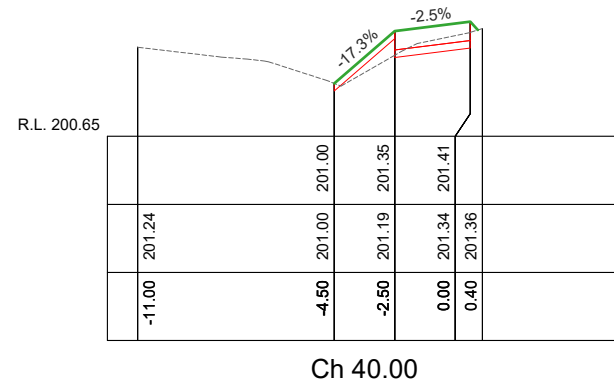
CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

MONSANTS ROAD CROSS & LONG SECTIONS

Survey	H. WHYTOCK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4948.dwg	
Sheet:	Reference:	
8 OF 14	GB4948	

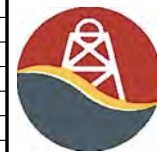
**PRELIMINARY DESIGN
DRAFT 6**

Plot Date:	2/02/2023
Plotted By:	MEGAN JENNINGS



CAROLYN WAY FOOTPATH CROSS SECTIONS
 SCALES: H 1:250 V 1:50 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

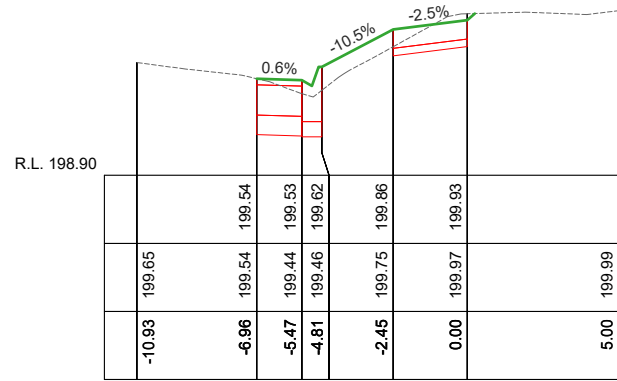
CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

CAROLYN WAY CROSS SECTIONS

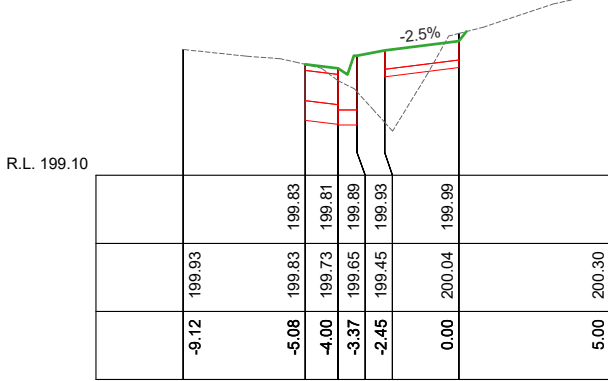
Survey	H. WHYTOCK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4948.dwg	
Sheet:	Reference:	GB4948
9 OF 14		

**PRELIMINARY DESIGN
DRAFT 6**

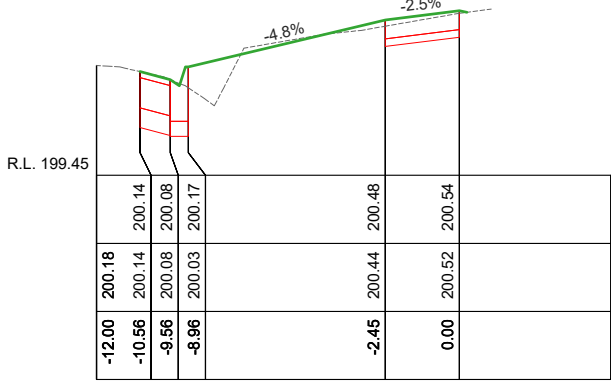
Plot Date:	2/02/2023
Plotted By:	MEGAN JENNINGS



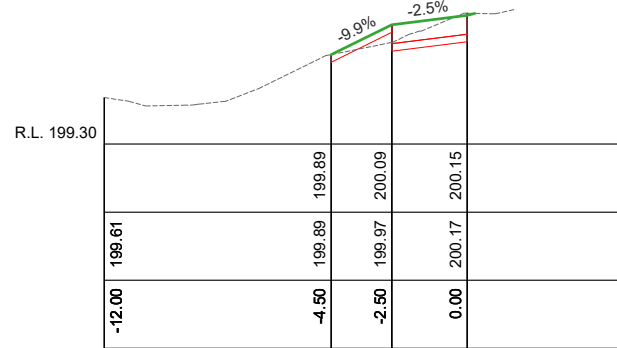
Ch 200.00



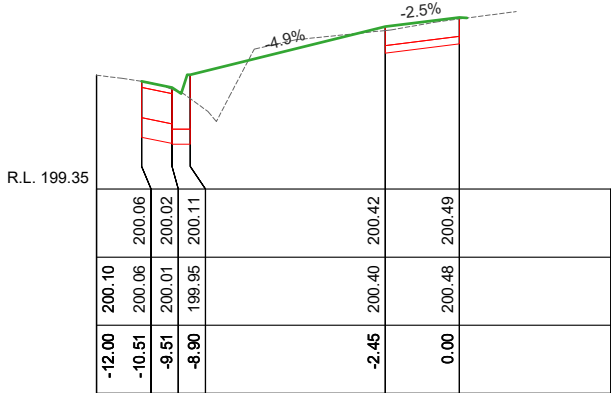
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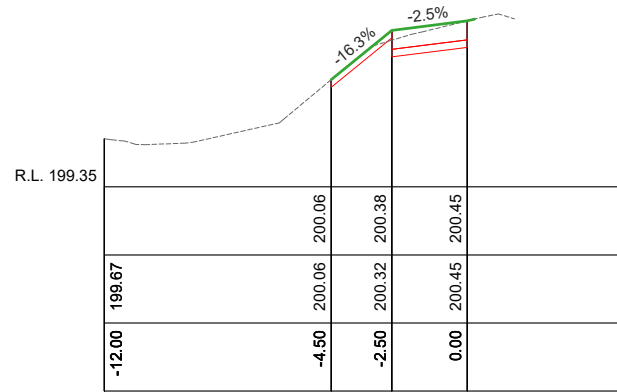
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Ch 190.00



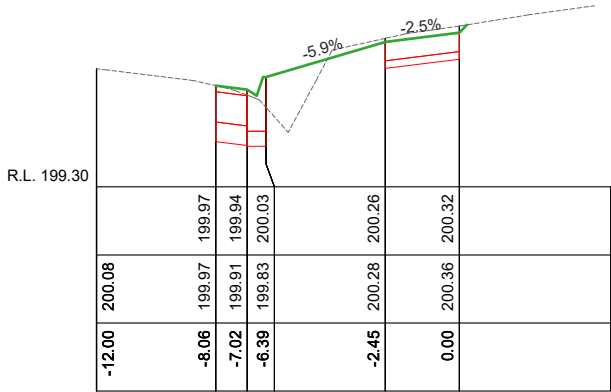
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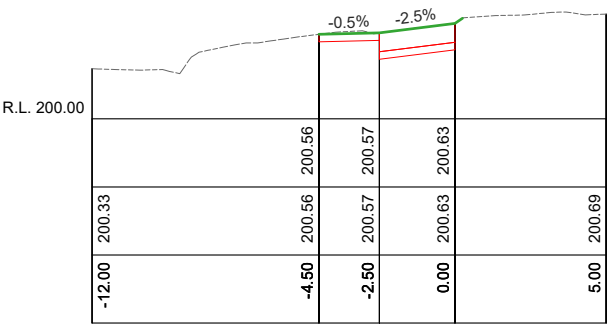
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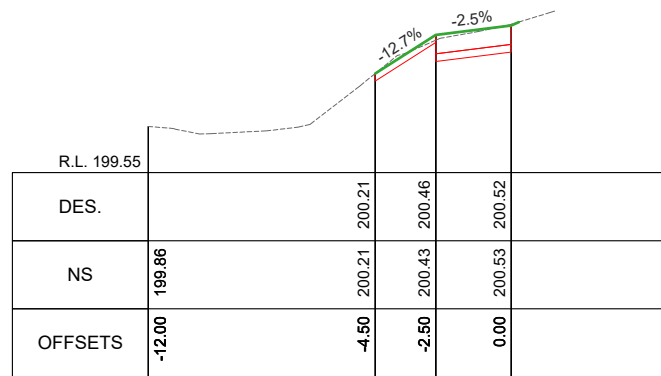
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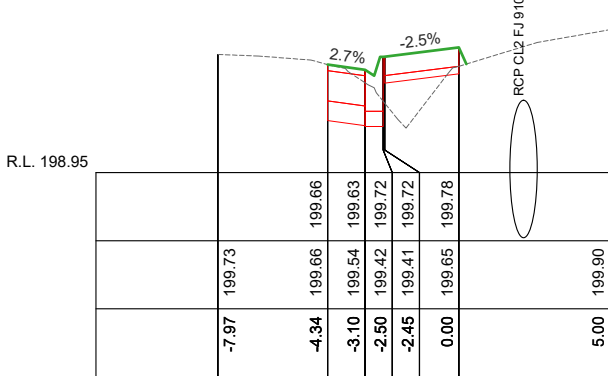
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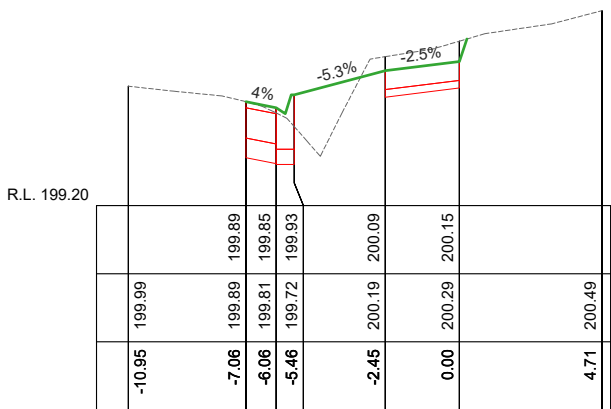
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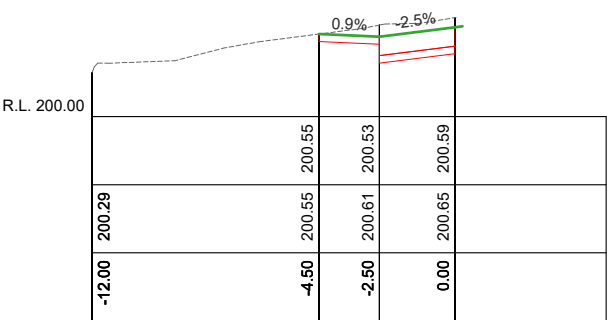
Ch 170.00



Ch 210.00



Ch 240.00



Ch 280.00

CAROLYN WAY FOOTPATH CROSS SECTIONS
SCALES: H 1:250 V 1:50 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

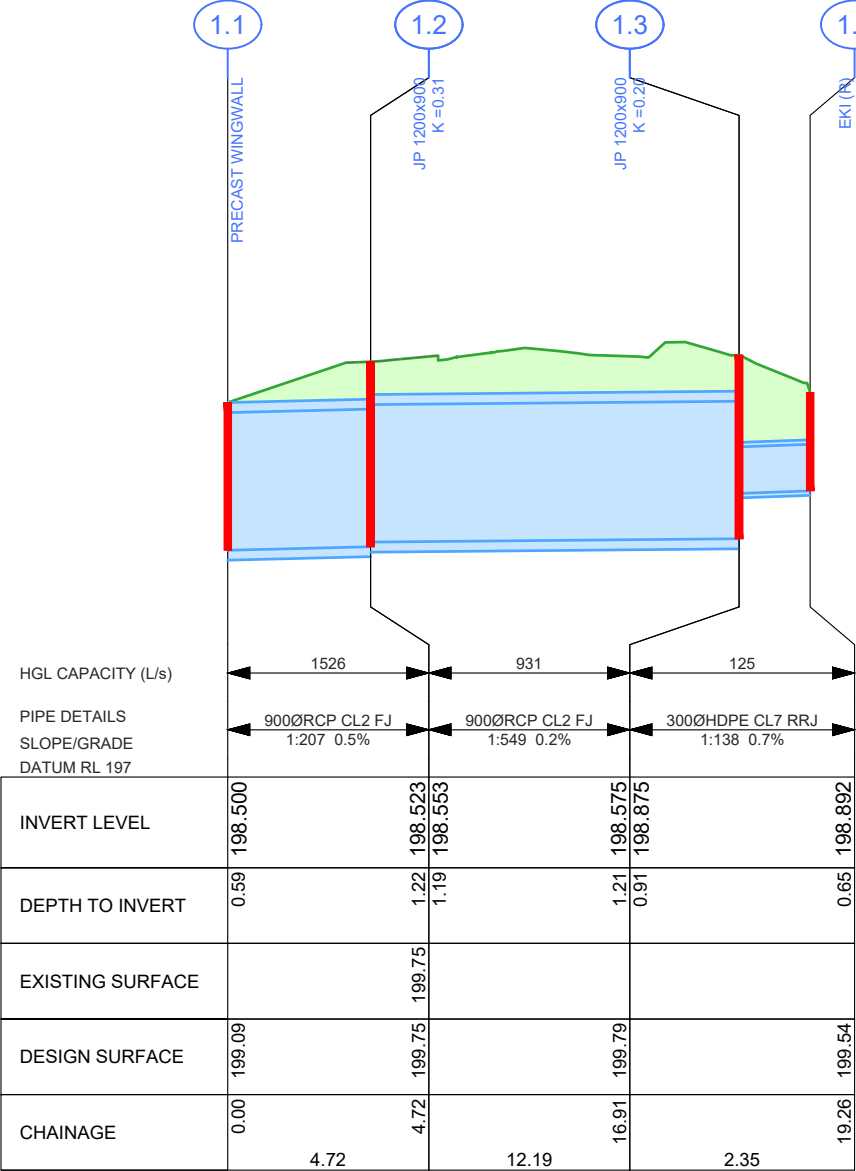
CAROLYN WAY CROSS SECTIONS

Survey	H. WHYTECK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4948.dwg	
Sheet:	Reference:	
10 OF 14	GB4948	

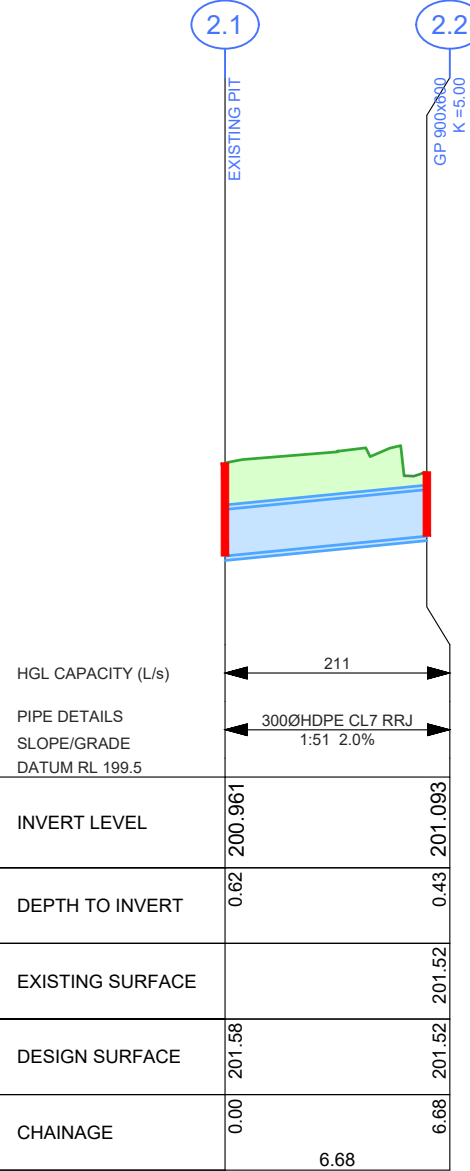
PRELIMINARY DESIGN
DRAFT 6

Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS

Pit Schedule										
Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Comment
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	
1.1	WINGWALL	-	-			900	198.500	0.594	199.094	Create pipe outlet in wing of cast in-situ headwall
1.2	CoGB SD590 B-D-L-R	900	1200	900	198.523	900	198.553	1.224	199.747	
1.3	CoGB SD590 B-D-L-R	900	1200	900	198.575	300	198.875	1.214	199.789	
1.4	CoGB SD590 A-C-H	-	-	300	198.892			0.651	199.543	EKI (R)
2.1	CoGB SD590 B-D-L-R	600	900			300	200.961	0.617	201.578	Convert grated pit to haunched JP
2.2	CoGB SD590 A-C-L-U	600	900	300	201.093			0.425	201.518	Construct grated pit in low point of table drain



DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50



DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50

LEGEND

	EXISTING PIPE TO REMAIN		CoGB SD390 TRENCH BACKFILL (BEHIND KERB)
	DESIGN PIPE / PIT or ENDWALL		CoGB SD391 TRENCH BACKFILL (UNDER NEW ROAD)
			CoGB SD392 TRENCH BACKFILL (UNDER EXISTING ROAD)

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



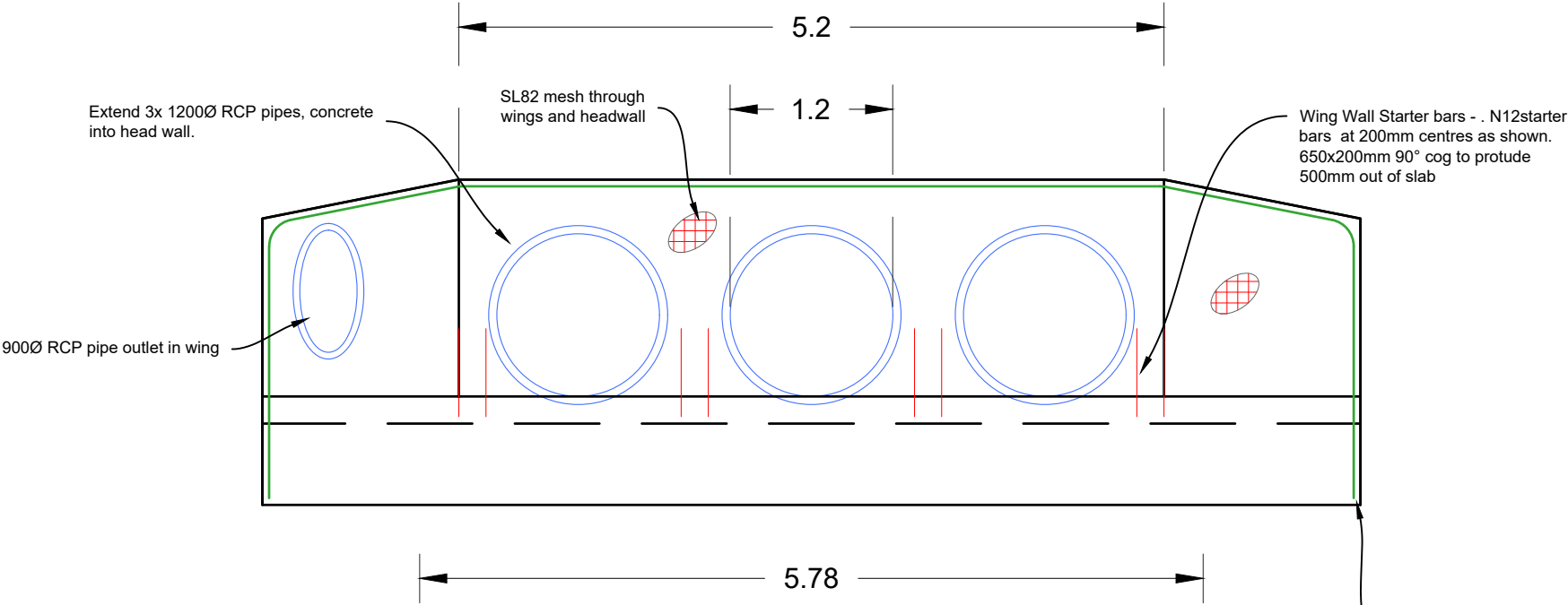
CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH
DRAINAGE DETAIL

Survey	H. WHYTECK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4948.dwg	
Sheet: 11 OF 14	Reference: GB4948	

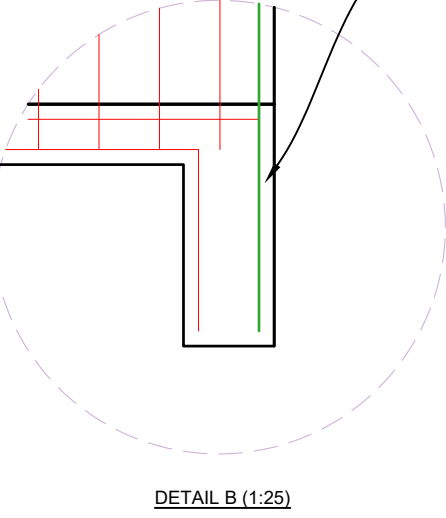
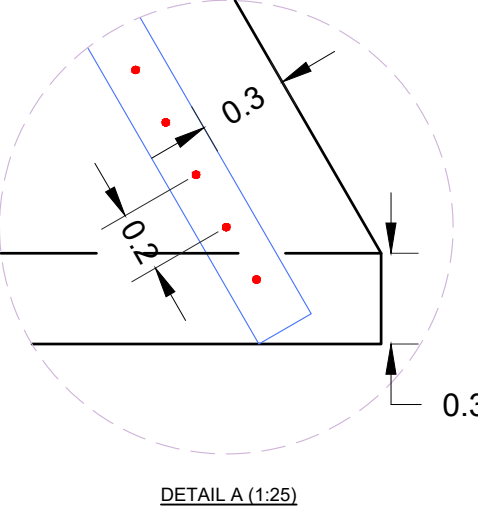
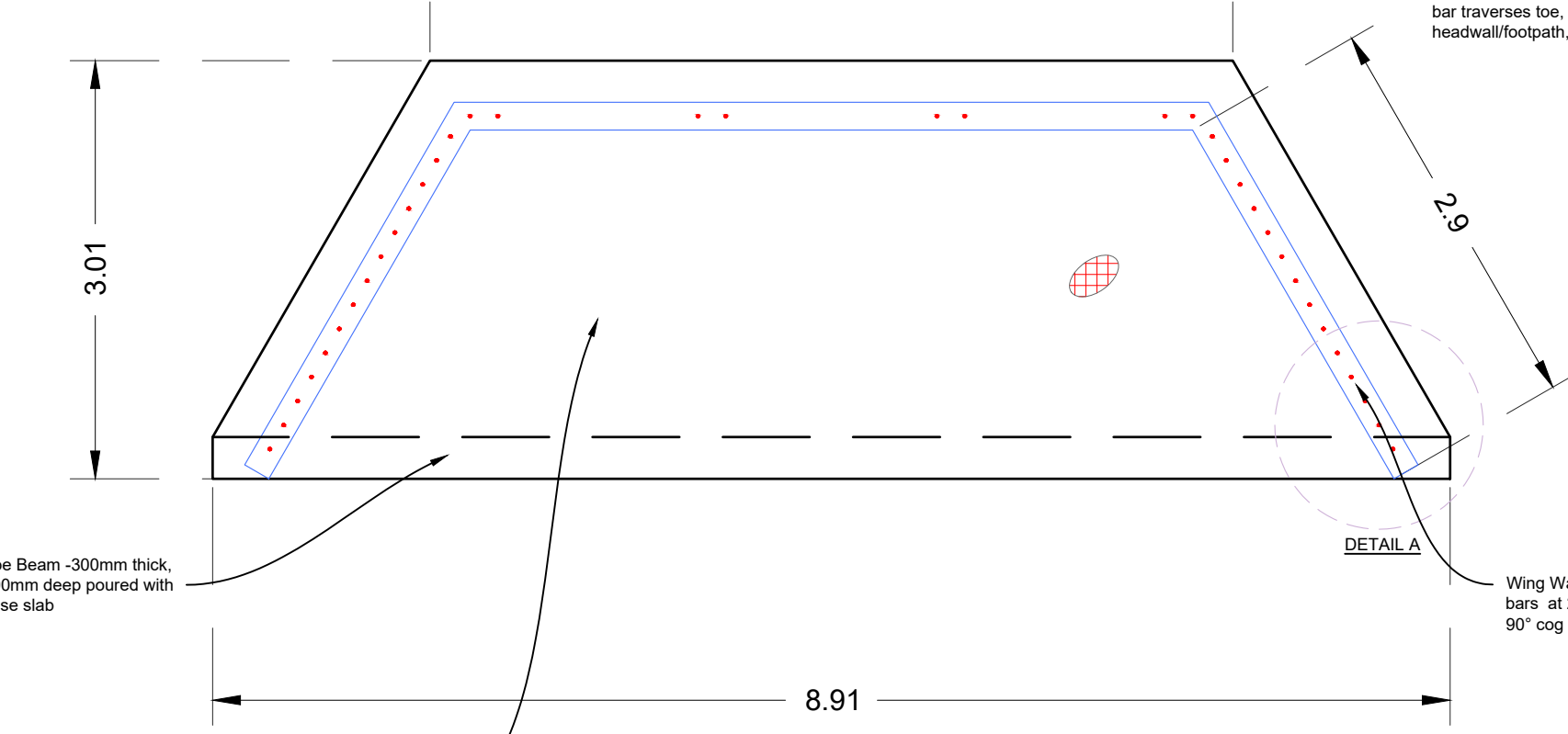
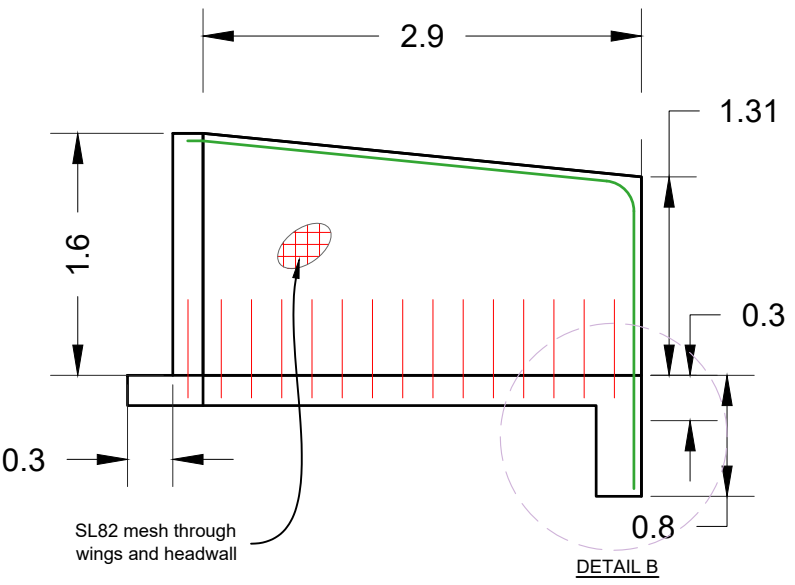
PRELIMINARY DESIGN
DRAFT 6

Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS

FRONT ELEVATION



SIDE ELEVATION



PLAN VIEW

Slab - 200mm thick 32MPa concrete slab, SL82 placed top and bottom (50mm cover) on 75mm crushed rock base

Toe Beam - 300mm thick, 800mm deep poured with base slab

Wing Wall Starter bars - . N12starter bars at 200mm centres. 650x200mm 90° cog to protude 500mm out of slab

Toe Beam - 300mm thick, 800mm deep poured with base slab. 2 layers mesh with 50mm cover, twitch to base slab mesh.

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)

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH
HEADWALL DETAIL

Survey	H. WHYTECK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4948.dwg	
Sheet: 12 OF 14	Reference: GB4948	

Plot Date: 2/02/2023
Plotted By: MEGAN JENNINGS

**PRELIMINARY DESIGN
DRAFT 6**

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

SETOUT

Survey	H. WHYTOCK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:50	Revision : A	
Original sheet size: A3	File : GB4948.dwg	
Sheet:	Reference:	GB4948
13 OF 14		

PRELIMINARY DESIGN
DRAFT 6

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

CAROLYN WAY
MAIDEN GULLY
NEW FOOTPATH

SETOUT

Survey	H. WHYTOCK	JUNE '22
Design	M. JENNINGS	JAN '23
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4948.dwg	
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14 OF 14	GB4948	

PRELIMINARY DESIGN
DRAFT 6