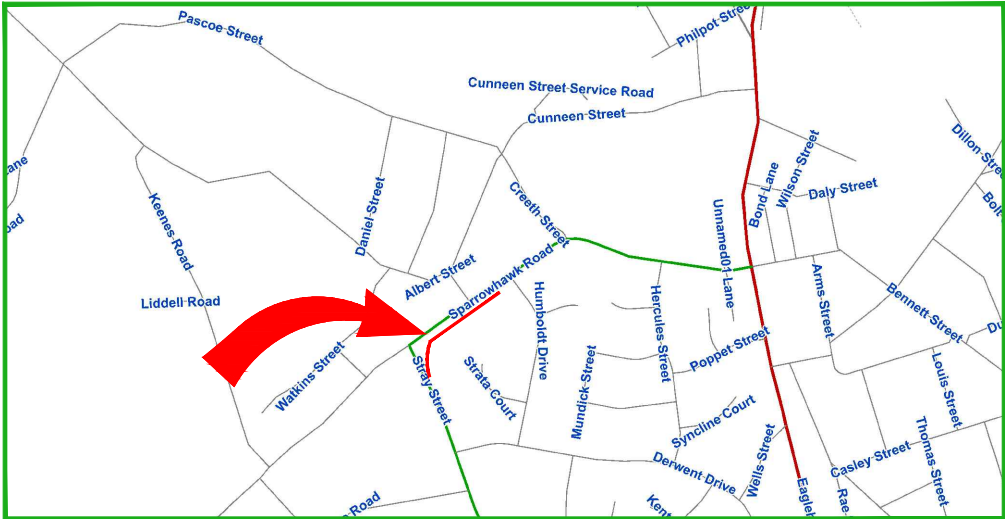


SPARROWHAWK ROAD, LONG GULLY

GB4936

FOOTPATH

JULY 2022



LOCALITY MAP

DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	14/07/22	xx/xx/22	xx/xx/22
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES & TYPICAL SECTION	A		
3	LAYOUT PLAN & LONGITUDINAL SECTION	A		
4	LAYOUT PLAN & LONGITUDINAL SECTION	A		
5	LAYOUT PLAN & LONGITUDINAL SECTION	A		
6	CROSS SECTIONS	A		
7	CROSS SECTIONS	A		
8	CROSS SECTIONS & CONTROL PLAN	A		
9	DRAINAGE DETAILS	A		



PROJECT EXTENTS

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



CITY OF GREATER BENDIGO

SPARROWHAWK ROAD
LONG GULLY
FOOTPATH

COVER SHEET

Survey	H. WHYTECK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4936.dwg	
Sheet: 1 OF 9	Reference: GB4936	

PRELIMINARY DESIGN
DRAFT 4

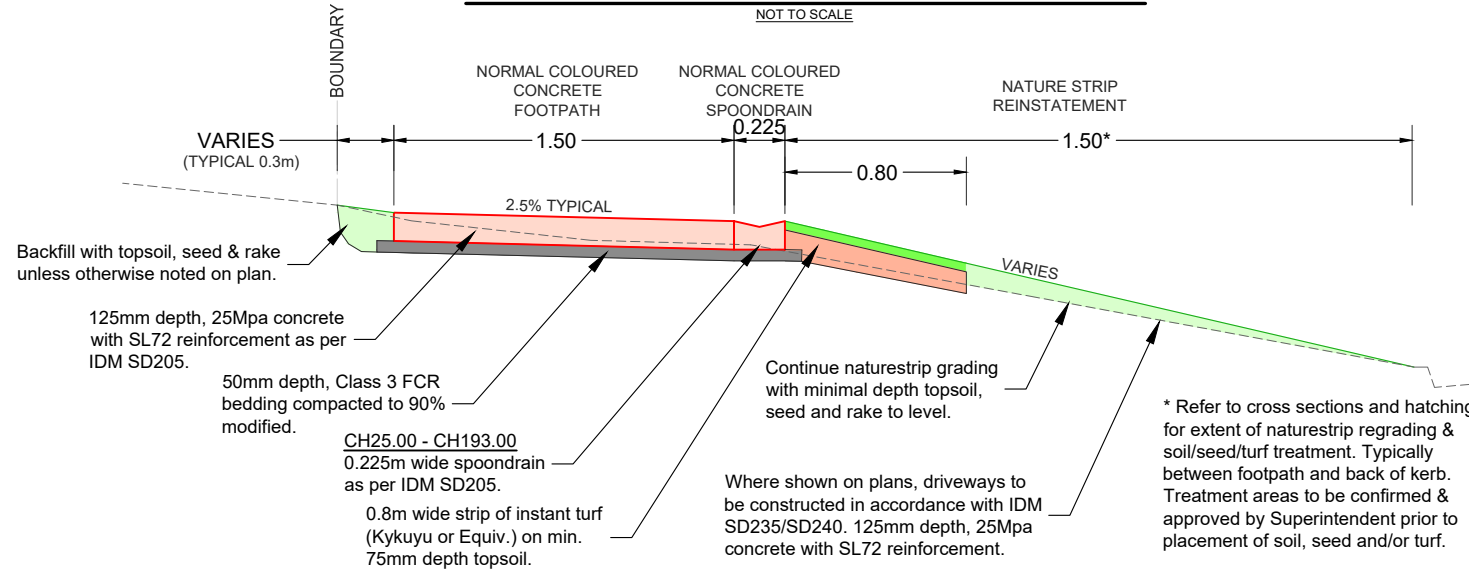
Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN



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.

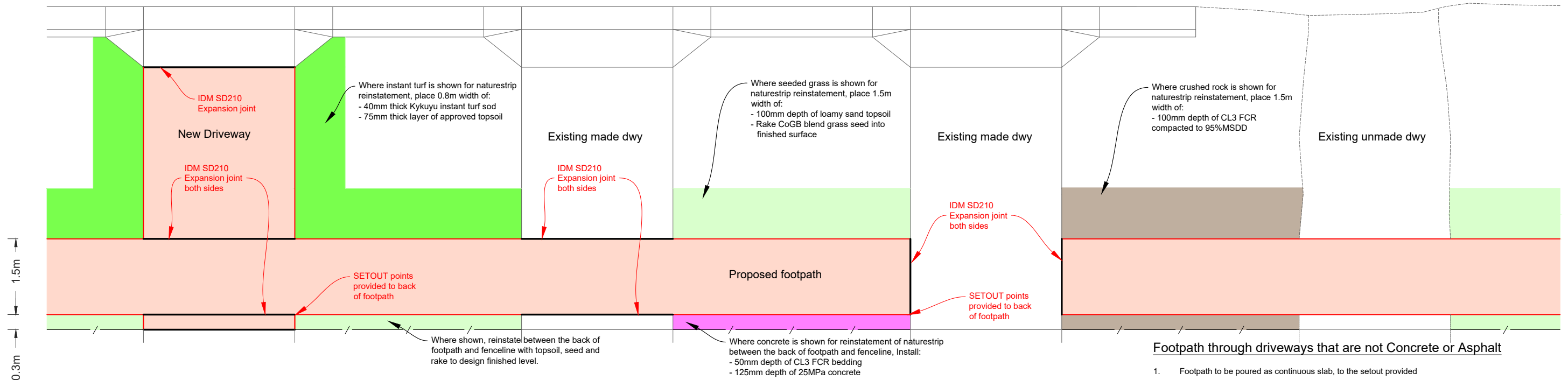
TYPICAL RESIDENTIAL FOOTPATH SECTION

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.

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.

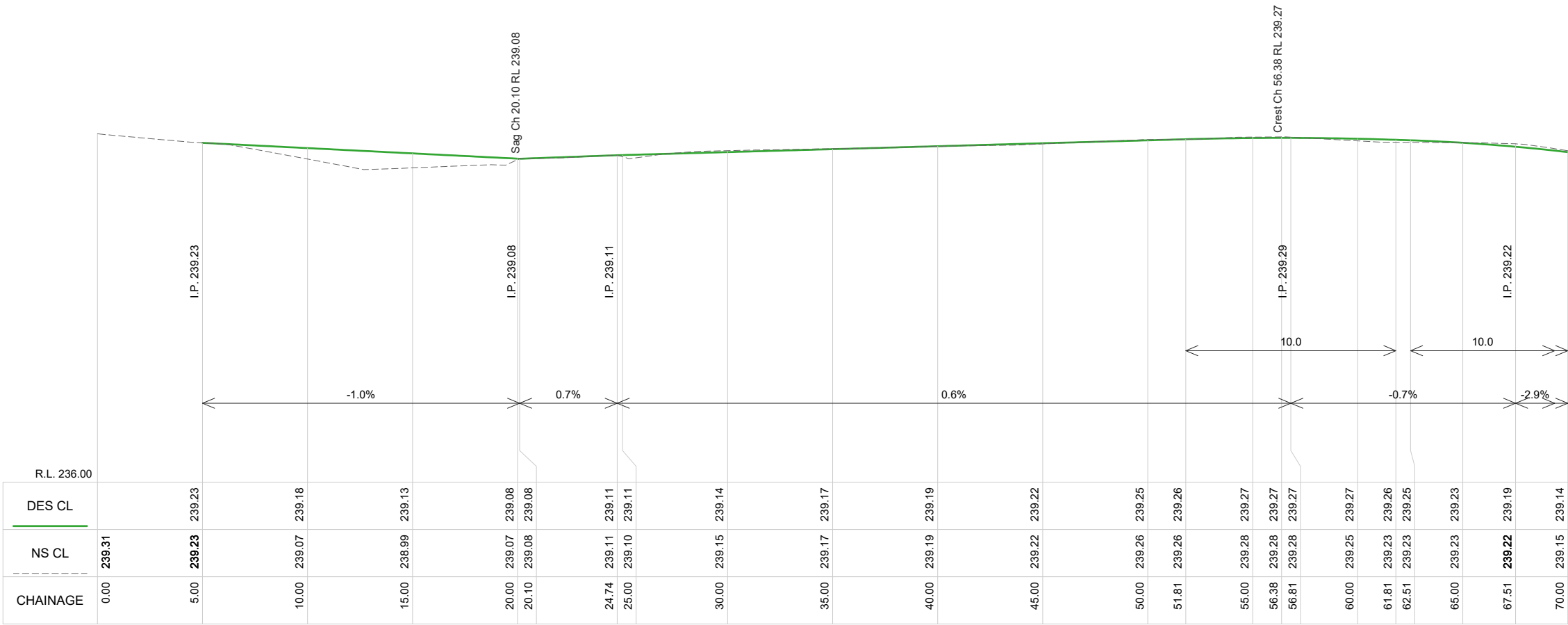
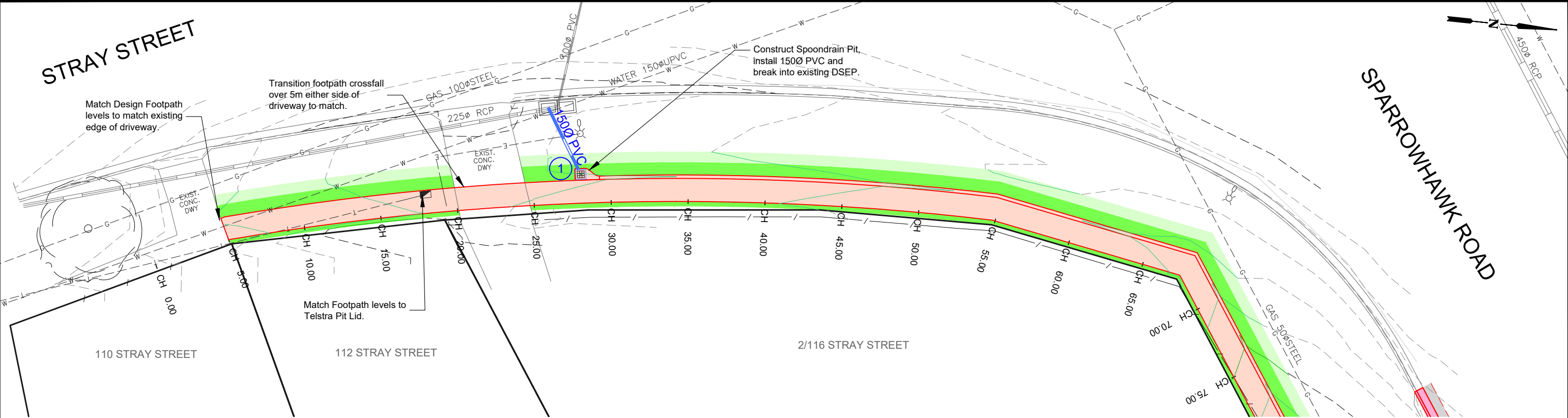
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO	
SPARROWHAWK ROAD LONG GULLY FOOTPATH	
GENERAL NOTES & TYPICAL SECTION	

Survey	H. WHYTECK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision: A	
Original sheet size: A3	File: GB4936.dwg	
Sheet: 2 OF 9	Reference: GB4936	

**PRELIMINARY DESIGN
DRAFT 4**

Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN



SPARROWHAWK ROAD FOOTPATH LONGITUDINAL SECTION CH 0.000 To 70.000
SCALES: H 1:250 V 1:50 (A3)

PROPOSED CONCRETE:
Footpaths - Refer SD200, SD205 & SD210
Driveways - Refer SD235 & SD240

PROPOSED CONCRETE KERB:
B4 - COGB SD190
Laybacks - COGB SD191 & SD192

NATURE STRIP REINSTATEMENT:
75mm depth topsoil & kikuyu instant turf

NATURE STRIP REINSTATEMENT:
25mm depth topsoil - seeded & raked.

DESIGN CONTOUR
0.10m interval

EXISTING CONTOUR
0.10m interval

Gravel Driveway:
75mm depth gravel

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

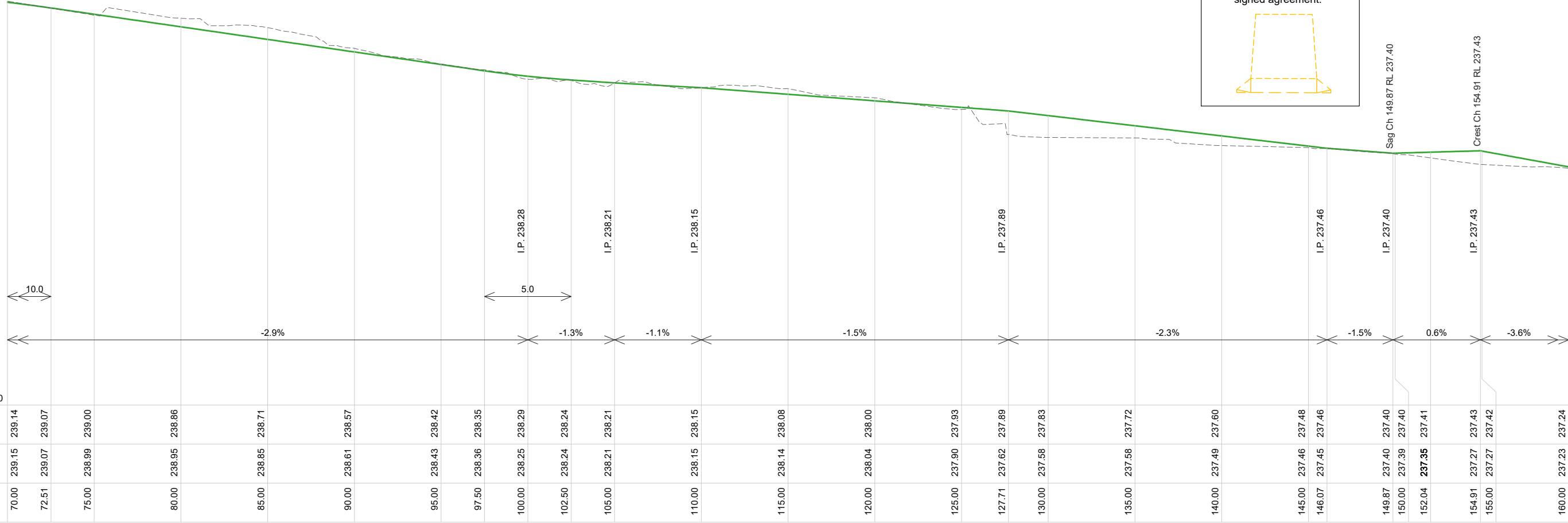
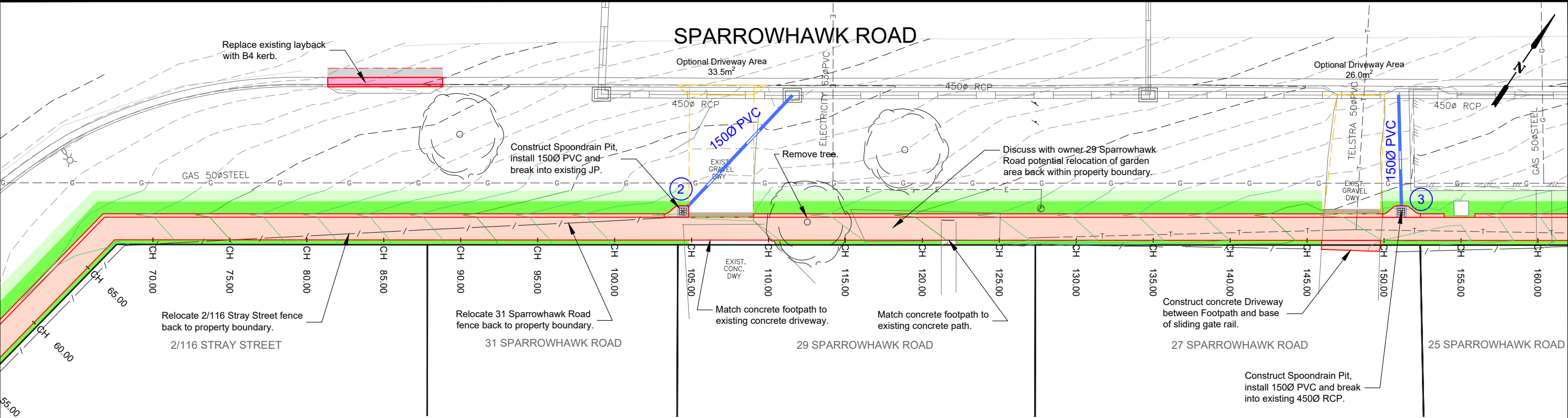
SPARROWHAWK ROAD
LONG GULLY
FOOTPATH

PLAN VIEW & LONGITUDINAL SECTION

Survey	H. WHYTOCK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: 1:250	Revision: A	
Original sheet size: A3	File: GB4936.dwg	
Sheet: 3 OF 9	Reference: GB4936	

PRELIMINARY DESIGN
DRAFT 4

Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN



SPARROWHAWK ROAD FOOTPATH LONGITUDINAL SECTION CH 70.000 To 160.000
SCALES: H 1:250 V 1:50 (A3)

PROPOSED CONCRETE:

Footpaths - Refer SD200, SD205 & SD210

Driveways - Refer SD235 & SD240

PROPOSED CONCRETE KERB:

B4 - COGB SD190

Laybacks - COGB SD191 & SD192

NATURE STRIP REINSTATEMENT:

75mm depth topsoil & kikuyu instant turf

NATURE STRIP REINSTATEMENT:

25mm depth topsoil - seeded & raked.

DESIGN CONTOUR

0.10m interval

EXISTING CONTOUR

0.10m interval

Gravel Driveway:

75mm depth gravel

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

SPARROWHAWK ROAD

LONG GULLY

FOOTPATH

PLAN VIEW & LONGITUDINAL SECTION

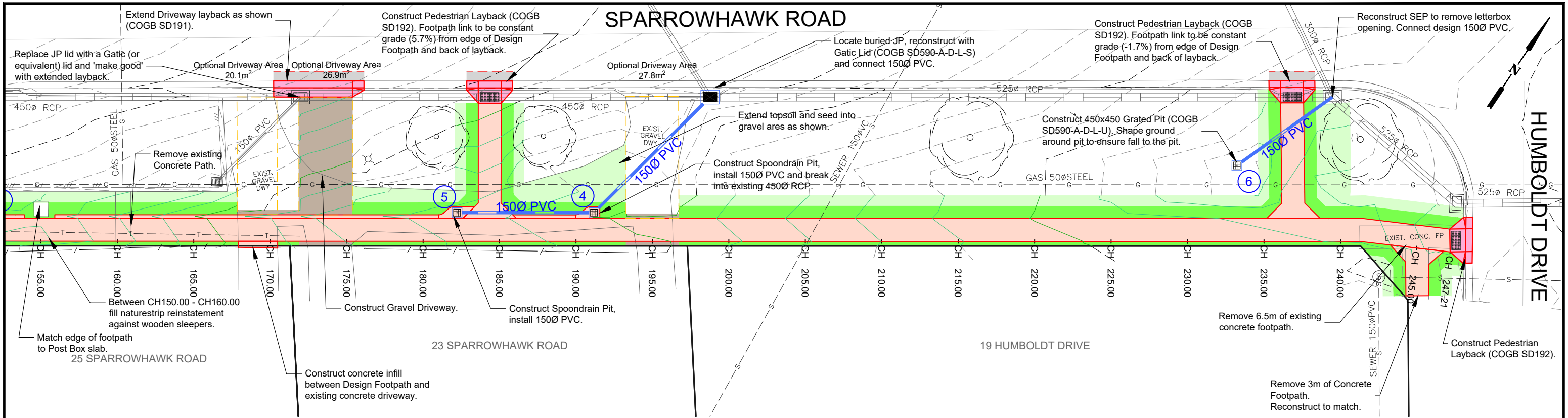
Survey	H. WHYTOCK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:250	Revision: A	
Original sheet size: A3	File: GB4936.dwg	
Sheet: 4 OF 9	Reference: GB4936	

PRELIMINARY DESIGN

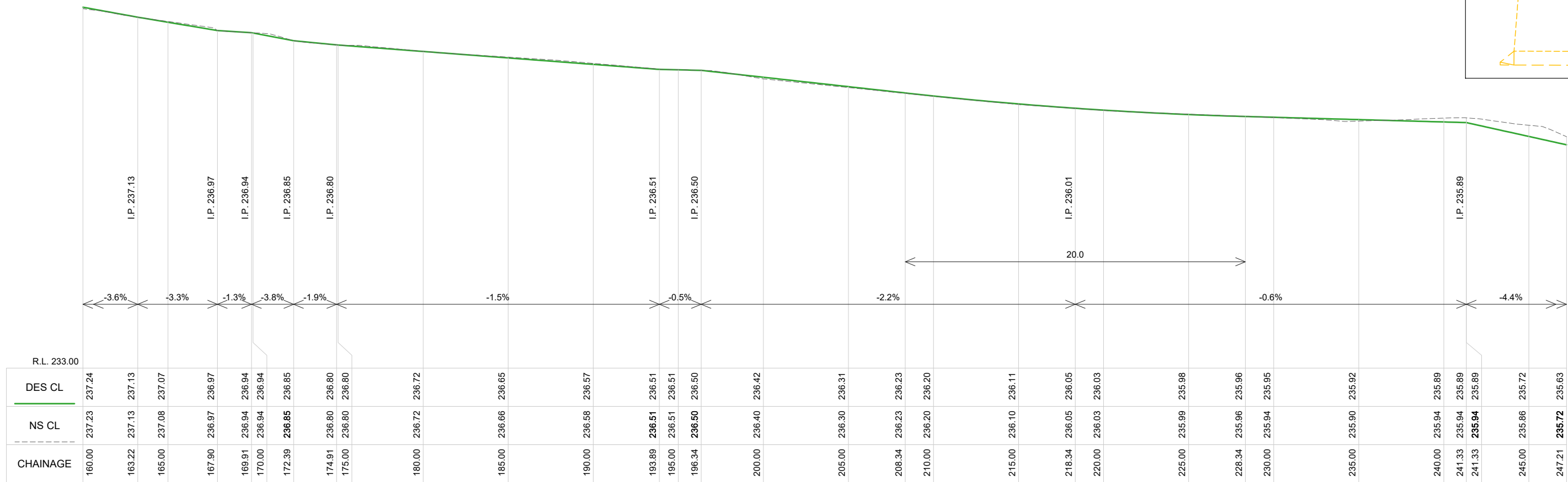
DRAFT 4

Plot Date: 14/07/2022

Plotted By: BAYLEY JANSSEN



Indicative concrete driveway construction. Requires landowner signed agreement.



SPARROWHAWK ROAD FOOTPATH LONGITUDINAL SECTION CH 160.000 To 247.215
SCALES: H 1:250 V 1:50 (A3)

LEGEND

PROPOSED CONCRETE:
Footpaths - Refer SD200, SD205 & SD210
Driveways - Refer SD235 & SD240

NATURE STRIP REINSTATEMENT:
75mm depth topsoil & kikuyu instant turf

NATURE STRIP REINSTATEMENT:
25mm depth topsoil - seeded & raked.

PROPOSED CONCRETE KERB:
B4 - COGB SD190
Laybacks - COGB SD191 & SD192

Gravel Driveway:
75mm depth gravel

DESIGN CONTOUR
0.10m interval

EXISTING CONTOUR
0.10m interval

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

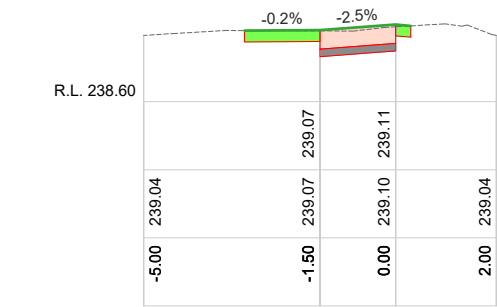
**SPARROWHAWK ROAD
LONG GULLY
FOOTPATH**

PLAN VIEW & LONGITUDINAL SECTION

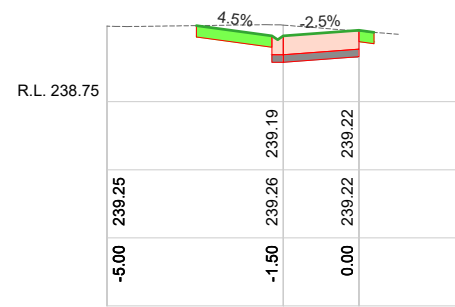
Survey	H. WHYTECK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: 1:250	Revision: A	
Original sheet size: A3	File: GB4936.dwg	
Sheet: 5 OF 9	Reference: GB4936	

**PRELIMINARY DESIGN
DRAFT 4**

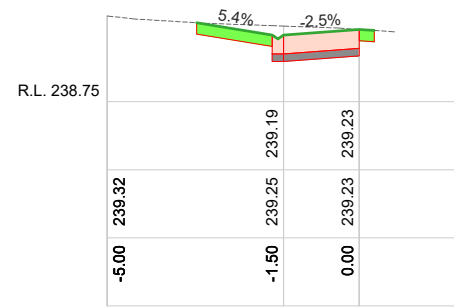
Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN



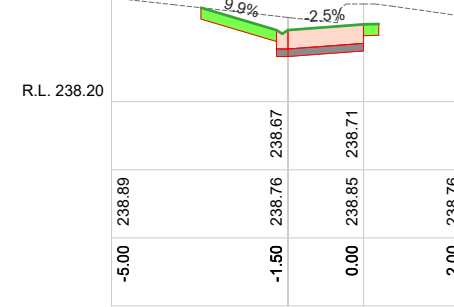
Ch 25.00



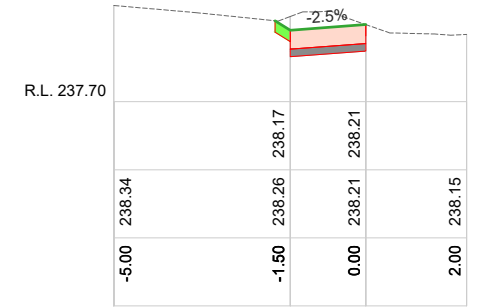
Ch 45.00



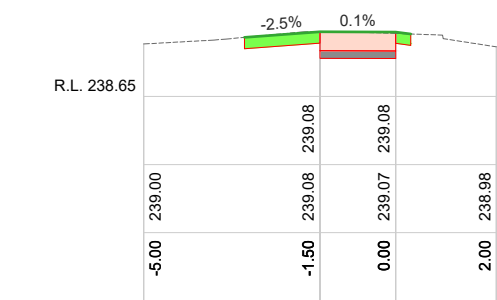
Ch 65.00



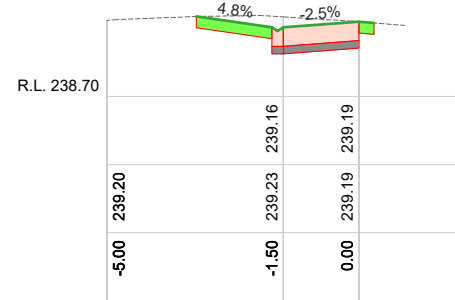
Ch 85.00



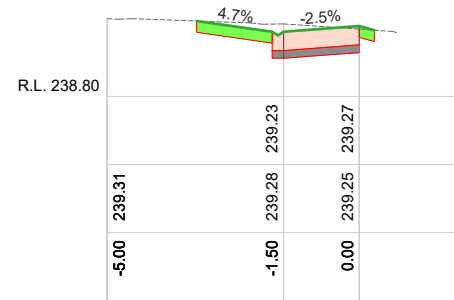
Ch 105.00



Ch 20.00



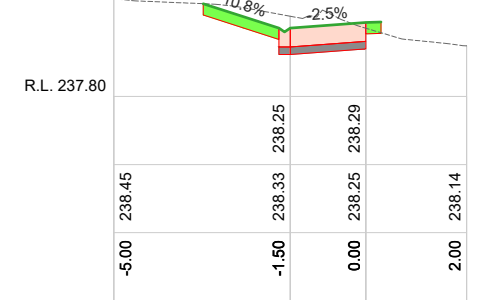
Ch 40.00



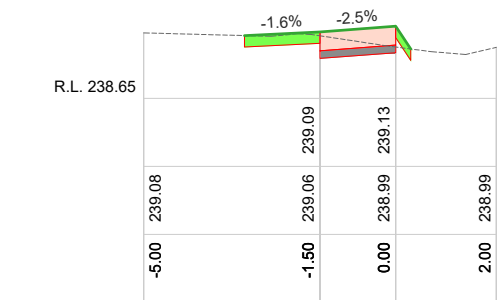
Ch 60.00



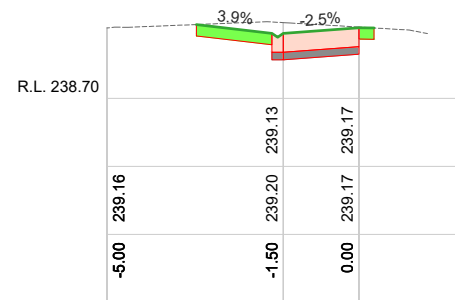
Ch 80.00



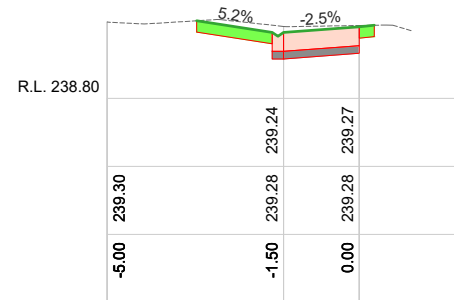
Ch 100.00



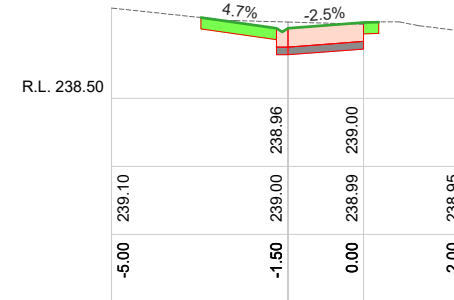
Ch 15.00



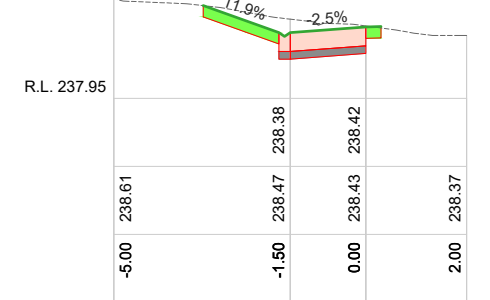
Ch 35.00



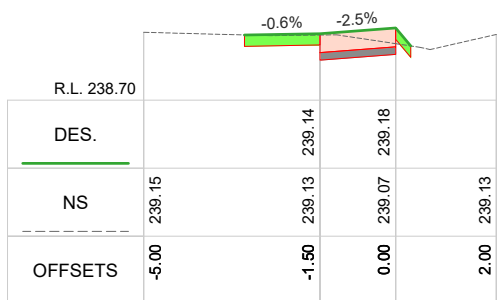
Ch 55.00



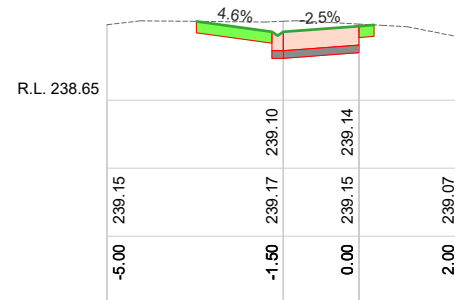
Ch 75.00



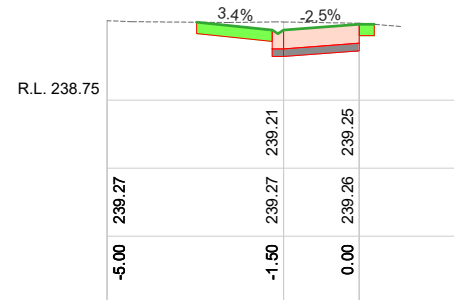
Ch 95.00



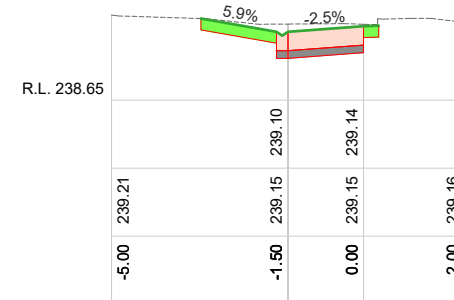
Ch 10.00



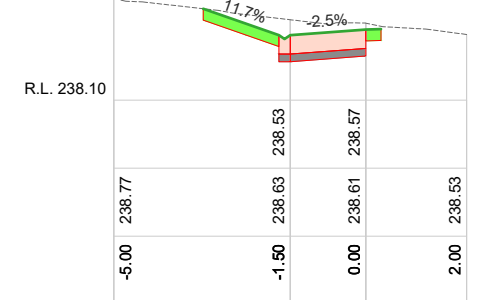
Ch 30.00



Ch 50.00



Ch 70.00




Ch 90.00

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

DES.				
NS				
OFFSETS				

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

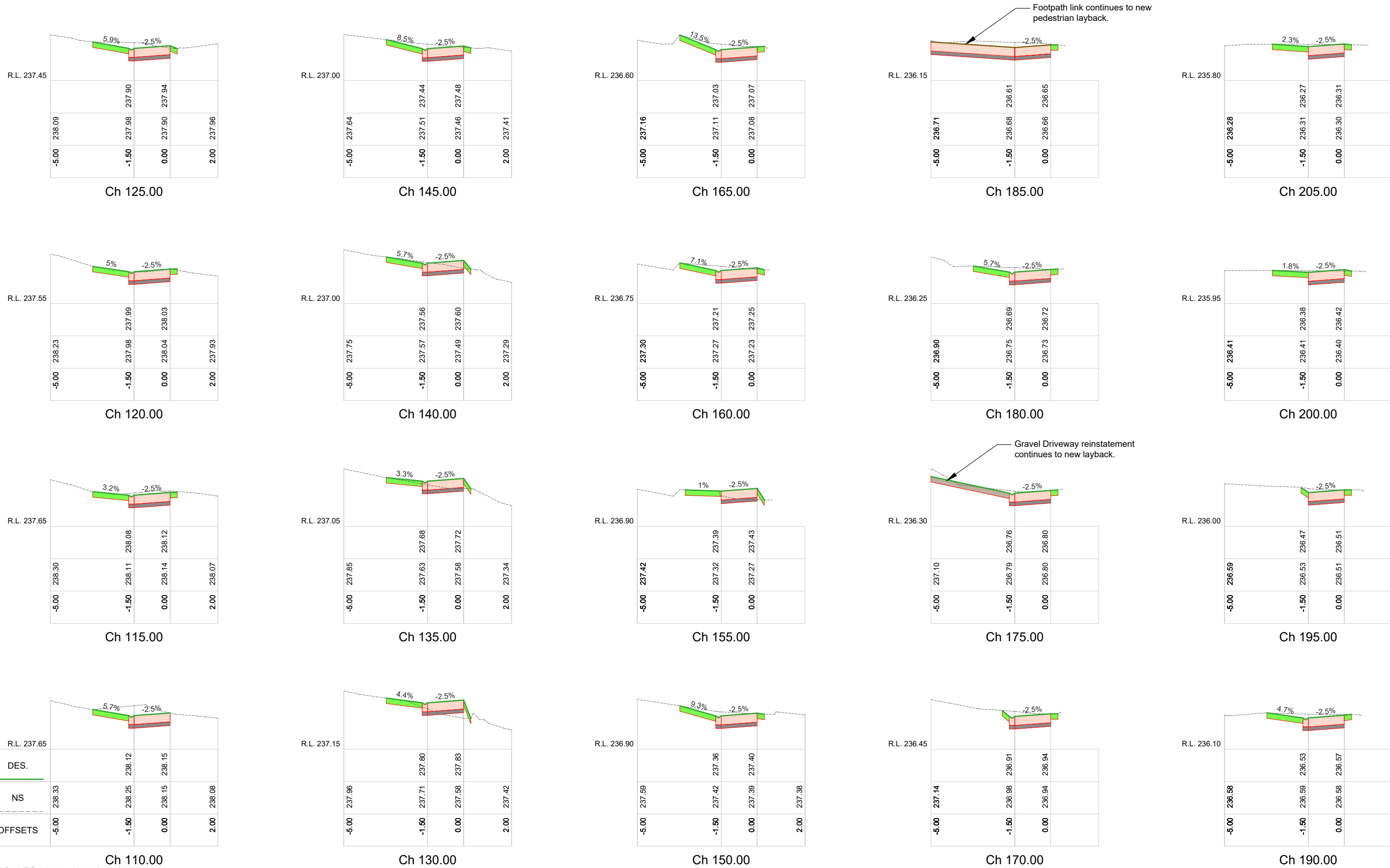
SPARROWHAWK ROAD
LONG GULLY
FOOTPATH

CROSS SECTIONS

Survey	H. WHYTOCK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4936.dwg	
Sheet: 6 OF 9	Reference: GB4936	

PRELIMINARY DESIGN
DRAFT 4


Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN



Ch 110.00

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

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

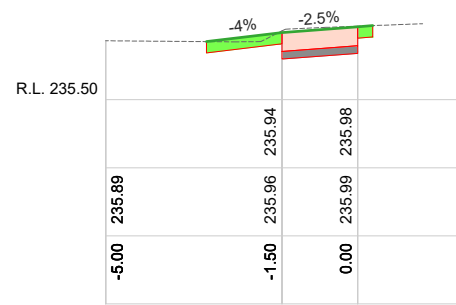
SPARROWHAWK ROAD LONG GULLY FOOTPATH

CROSS SECTIONS

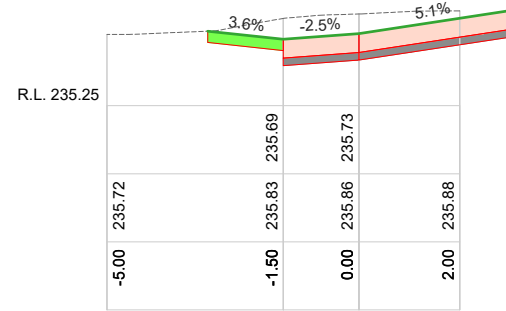
Survey	H. WHYTECK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-22
Approved by	N. SARTORI	-/-22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4936.dwg	
Sheet: 7 OF 9	Reference: GB4936	

**PRELIMINARY DESIGN
DRAFT 4**

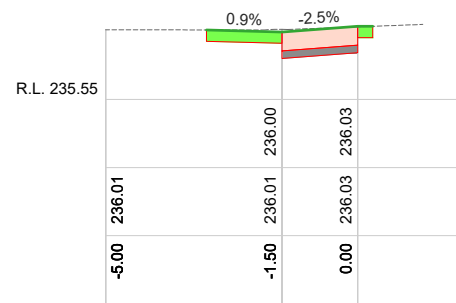
Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN



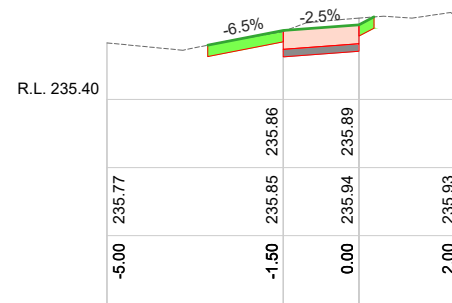
Ch 225.00



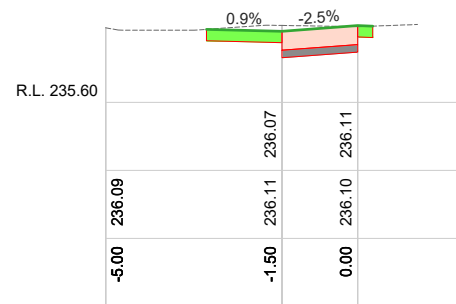
Ch 245.00



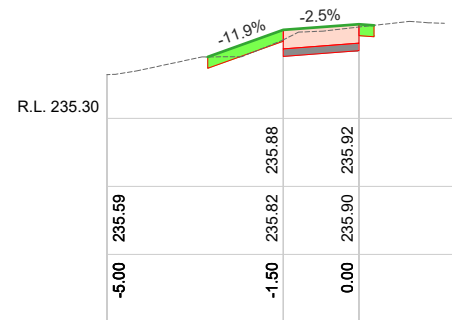
Ch 220.00



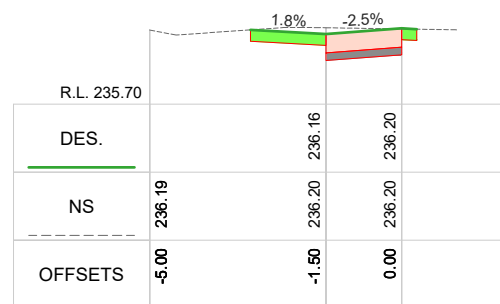
Ch 240.00



Ch 215.00

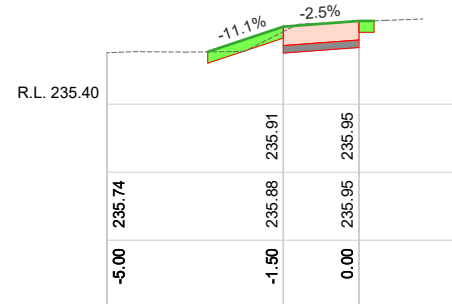


Ch 235.00



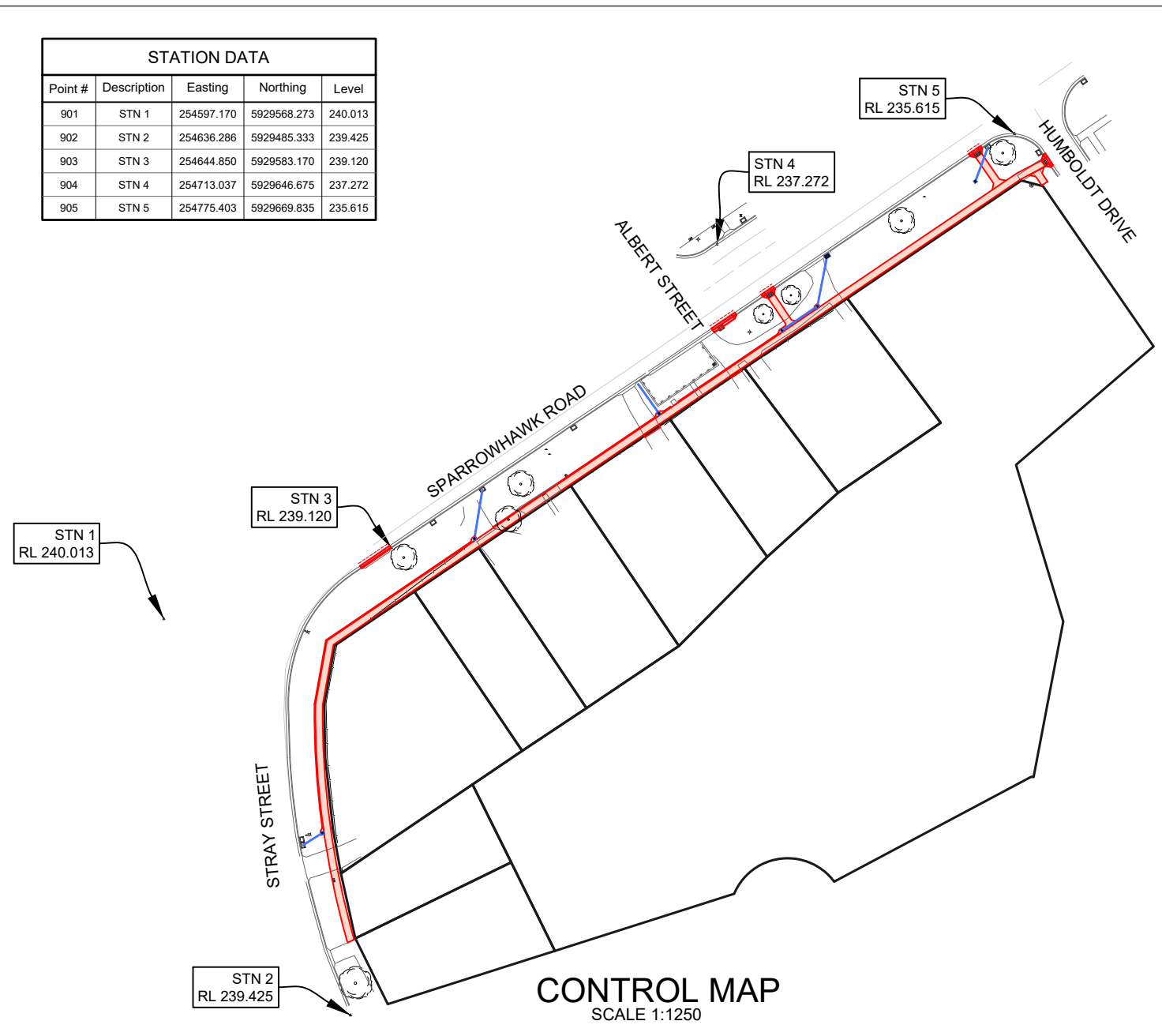
Ch 210.00

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




Ch 230.00

STATION DATA				
Point #	Description	Easting	Northing	Level
901	STN 1	254597.170	5929568.273	240.013
902	STN 2	254636.286	5929485.333	239.425
903	STN 3	254644.850	5929583.170	239.120
904	STN 4	254713.037	5929646.675	237.272
905	STN 5	254775.403	5929669.835	235.615



AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-



CITY OF GREATER BENDIGO

SPARROWHAWK ROAD
LONG GULLY
FOOTPATH

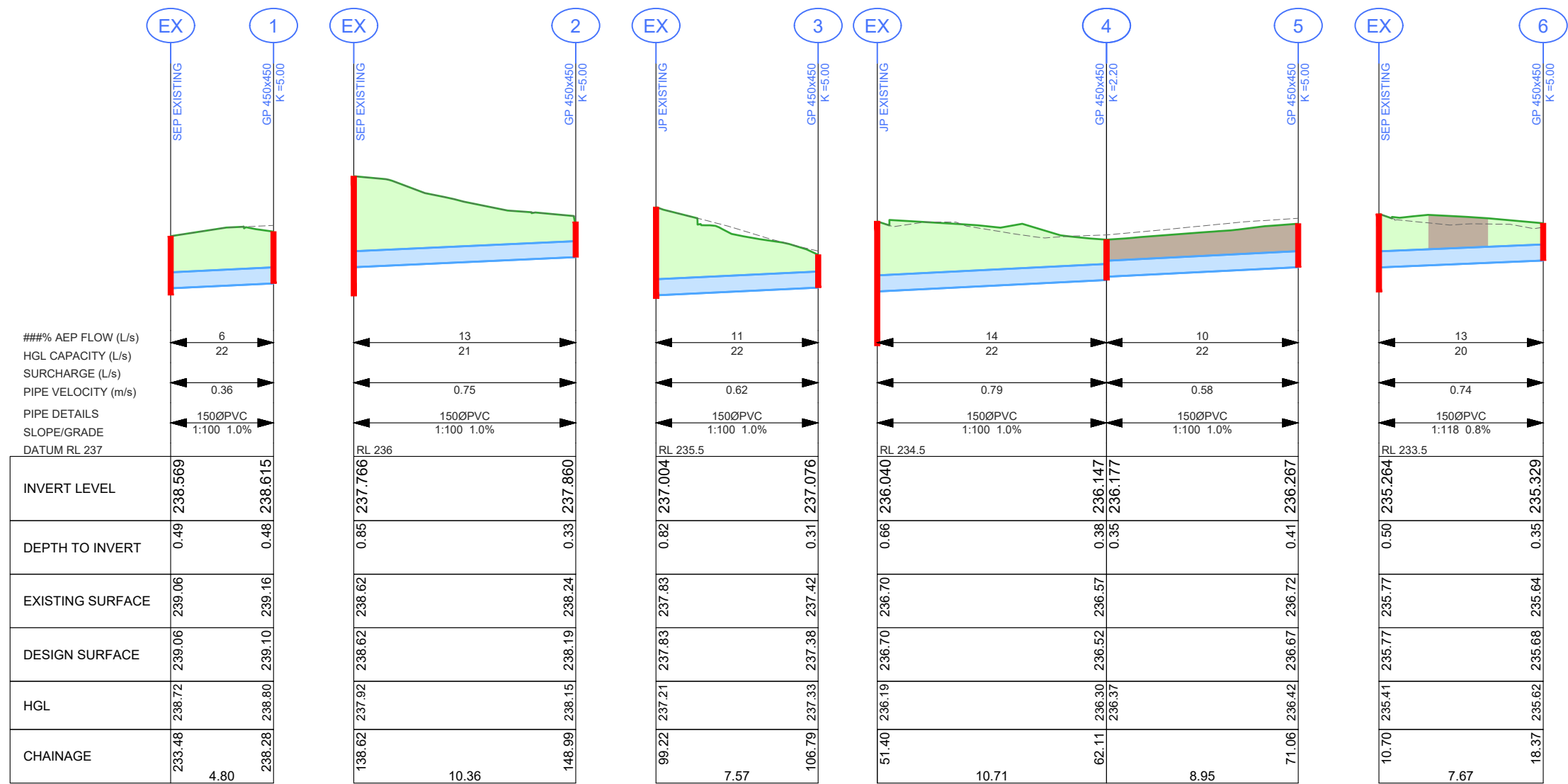
CROSS SECTIONS & CONTROL MAP

Survey	H. WHYTOCK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4936.dwg	
Sheet: 8 OF 9	Reference: GB4936	

PRELIMINARY DESIGN
DRAFT 4

Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN

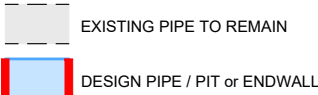
Pit Schedule										
Pit No.	Pit Type	Standard Drawing	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level
			(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)
1	COGB-Grated Pits	IDM SD495	450	450	150	238.615			0.484	239.099
2	COGB-Grated Pits	IDM SD495	450	450	150	237.860			0.330	238.190
3	COGB-Grated Pits	IDM SD495	450	450	150	237.076			0.307	237.383
4	COGB-Grated Pits	IDM SD495	450	450	150	236.147	150	236.177	0.376	236.523
5	COGB-Grated Pits	IDM SD495	450	450	150	236.267			0.406	236.673
6	COGB-Grated Pits	COGB SD590-A-D-L-U	450	450	150	235.329			0.349	235.678



DRAINAGE CONSTRUCTION NOTES

- The Superintendent's Representative and Design Engineer must be notified if any any modifications to drainage design are required due to unforeseen circumstances identified during works onsite.
- Any property storm water pipes located during Works are to be plumbed to the nearest pit. Where this is not practical, seek approval from the Superintendent's Representative to connect stormwater into kerb or into the nearest storm water pipe.
- All drainage pits are to be constructed as per the noted Standard Drawing.
- Invert fall through pits is to be a min. of 30mm unless noted otherwise.
- Concrete pit walls are to be sponge finished and floors are to be shaped for best hydraulic efficiency unless noted otherwise.
- Pit lids are to be installed flush with the surrounding surface unless noted otherwise.
- Where concrete box culverts (CBC) or Crown Units are specified, they are to be compliant to AS1597.
- Pipe extensions are to be constructed by removing the remaining stub of the existing pipe to be extended, and then connecting the new pipe at the socket.
- All pipe backfill is to be constructed as per the noted Standard Drawing.
- The location of any saw cuts in asphalt are to be kept the minimum required trench width until after the pipe is laid and backfilled up to 300mm from surface. At this point, a further 150mm wide, 300mm deep section of asphalt/pavement is to be sawcut and excavated so as to provide a longitudinal pavement joint over the drainage trench. This also should ensure a straight edge for re-asphalting. The top 300m depth of backfill should then be constructed accordingly.
- At the completion of the Works, pipes are to be visually inspected via inspection pits to check for construction debris, including crushed rock, soil and concrete over spill. Should a volume of debris be present enough to impede flows, pipe cleaning shall be undertaken at the contractors expense.
- Gas and water property services are generally not located during the design phase and therefore have not been shown on plans. It is therefore the Contractors responsibility to consider these services when excavating and adjust or realign accordingly whilst causing minimal disruption to property owners.
- Gas and Water property services encountered during construction are to be altered and reconnected to the appropriate standard and to the satisfaction of the Superintendents Representative.

LEGEND



- 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

SPARROWHAWK ROAD
LONG GULLY
FOOTPATH

DRAINAGE DETAILS

Survey	H. WHYTECK	14/06/22
Design	B. JANSSEN	14/07/22
Checked	A. SMITH	-/-/22
Approved by	N. SARTORI	-/-/22
Scale: -	Revision : A	
Original sheet size: A3	File : GB4936.dwg	
Sheet: 9 OF 9	Reference: GB4936	

PRELIMINARY DESIGN
DRAFT 4

Plot Date: 14/07/2022
Plotted By: BAYLEY JANSSEN