

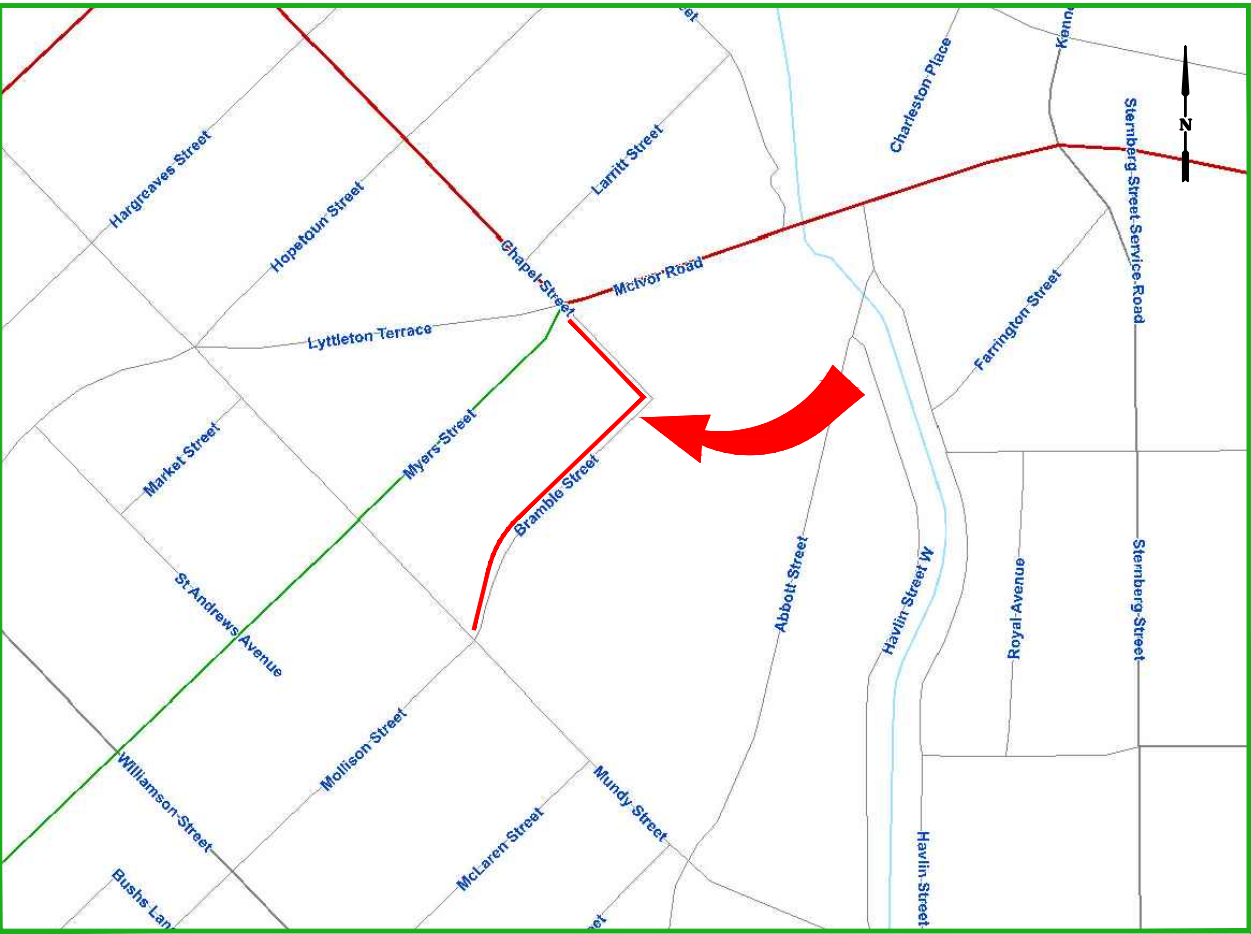
BRAMBLE STREET, BENDIGO

GB5084

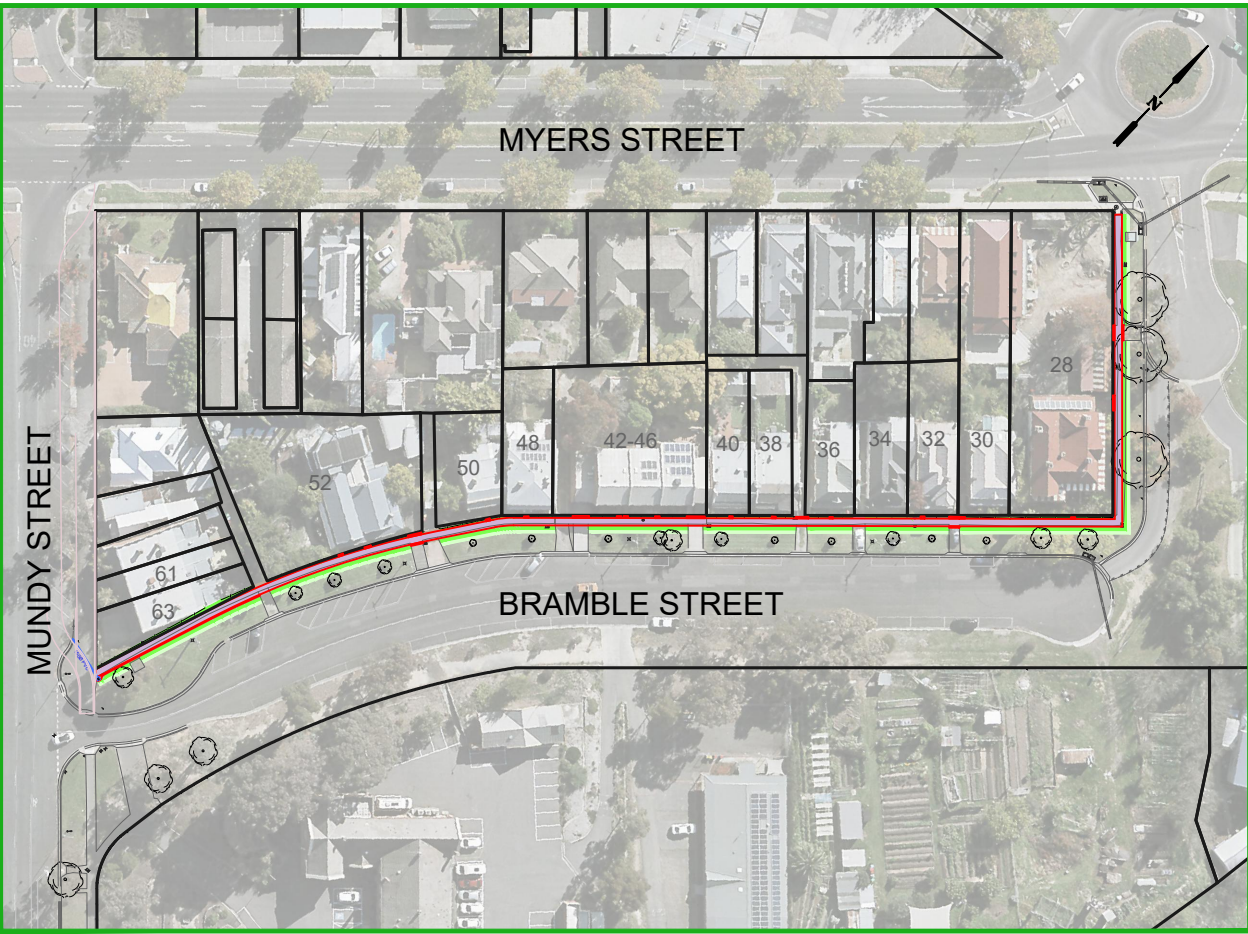
FOOTPATH RENEWAL

OCTOBER 2023

DOCUMENT CONTROL				
SHEET No.	SHEETD ESC.	10/10/2023	xx/xx/xx	xx/xx/xx
		DRAFT REVISION	TENDER REVISION	CONSTRUCTION REVISION
1	COVER SHEET	-	-	-
2	GENERAL NOTES	-	-	-
3	PLAN VIEW & LONG SECTION	-	-	-
4	PLAN VIEW & LONG SECTION	-	-	-
5	PLAN VIEW & LONG SECTION	-	-	-
6	PLAN VIEW & LONG SECTION	-	-	-
7	CROSS SECTIONS	-	-	-
8	CROSS SECTIONS	-	-	-
9	CROSS SECTIONS	-	-	-
10	CROSS SECTIONS & DRAINAGE	-	-	-



LOCALITY MAP



PROJECT EXTENTS

APPROVAL TO CONSTRUCT STAMP		PROJECT PLANNING REQUIREMENTS				 CITY OF GREATER BENDIGO	PROJECT DESIGN STATUS			PROJECT DETAILS		SHEET DETAILS			
DO NOT CONSTRUCT WITHOUT STAMP	Item	Required	Comments	Contractor	Surveyor:		H. WHYTOCK	09/05/23	Location: BRAMBLE STREET	Suburb: BENDIGO	Works: FOOTPATH RENEWAL	GB No: GB5084	COVER SHEET	Sheet number: 1 of 10	
	Vegetation	No	-		Designer:		B. JANSSEN	10/10/23						Plan Scale: - A3	
	RRV	No	-		Draft Checked:		A. SMITH	xx/xx/23						Plotted: 10/10/2023 By: Bayley Janssen	
	CMA	No	-		Tender Approved:		N. SARTORI	xx/xx/23							
	Planning Permit	No	-		PRELIMINARY DESIGN DRAFT 2										
	Land Acquisition	No	-												
	CHMP	No	-												
	Other	No	-												
	SHEET REVISIONS AFTER TENDER														
Revision	Description					Approved by		Date							
-	-					-		-							
-	-					-		-							
-	-					-		-							

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

204 Earthworks

ASPHALT AND SURFACE TREATMENTS

407 Dense Graded Asphalt

INCIDENTAL CONSTRUCTION

701 Underground Stormwater Drains

703 General Concrete Paving

705 Drainage Pits and Covers

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 Works Dept.)

All materials used by external contractors engaged to undertake CoGB construction projects, or components thereof, shall be as per the material specification supplied within the instrument of engagement (Quote, Tender or Contract), or as per written instruction from the project Superintendents.

PROJECT PLANNING REQUIREMENTS

Permits and approvals

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

PROJECT PLANNING REQUIREMENTS			
Item	Required	Comments	Contractor
Vegetation	No	-	
RRV	No	-	
CMA	No	-	
Planning Permit	No	-	
Land Acquisition	No	-	
CHMP	No	-	
Other	No	-	

GENERAL NOTES

STANDARD DRAWINGS

Standard Drawings that are referenced within the design drawings are noted as 'SD', and are sourced from 3 locations. They are available for download online or from the project superintendent:

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

SERVICES SHOWN ON PLANS AND DURING CONSTRUCTION

- The location of underground services shown on design drawings have been derived from available information. Accuracy can not be guaranteed and should therefore be treated as indicative only.
- Gas and water property services are not located or shown on design drawings. It is the contractors responsibility to locate and alter these services as required to achieve the project design.
- Prior to undertaking construction activities, exact service locations must be arranged and marked onsite.
- The contractor will be held responsible for any damage caused to services.
- All service pit lids or valve covers within the works area are to be raised or lowered to match the design surface level to the relevant authority standards, unless noted otherwise on the construction plans, or by approval from the superintendent.
- Any service authority marker post found within the works area is to be relocated adjacent to their current position to a point 150mm offset from the nearest property boundary.
- Any PSM covers affected during works are to be renewed to CoGB SD293 unless noted otherwise, or by approval from the superintendent.

DRAINAGE

- Any private storm water pipes discovered during works are to be plumbed to the nearest CoGB drainage pit, or with approval from the superintendent, to the nearest kerb or pipe

CONSTRUCTION MANAGEMENT GUIDANCE

OCCUPATIONAL HEALTH AND SAFETY

Delivery units shall consider appropriate management of occupational health and safety, and develop management plans compliant with ISO45001, and the City of Greater Bendigo integrated management system prior to any works beginning onsite

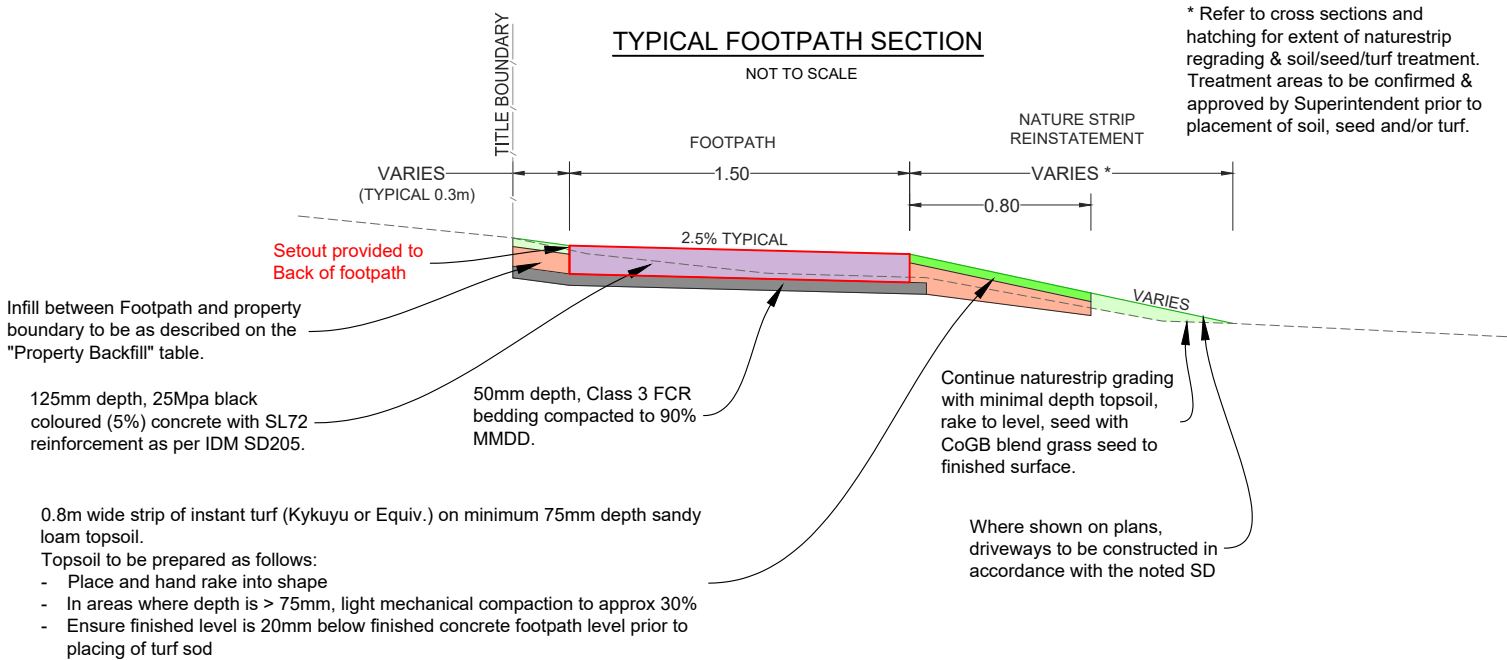
SITE ENVIRONMENTAL MANAGEMENT PLAN

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

- Communication and induction for staff, contractors and sub contractors
- Communication with appropriate adjacent residents/businesses
- Noise and Vibration
- Dust and contamination
- Chemicals
- Erosion and sediment
- Waste
- Vehicle and roadside management
- Vegetation, with particular focus on any relevant permit conditions and AS4970
- Heritage, with particular focus on any relevant permit conditions

TRAFFIC MANAGEMENT PLAN

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



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.

SURVEY NOTES
Survey has been conducted to:
- MGA 2020 and orientated via 906
- Survey level has been tied to AHD via GPS

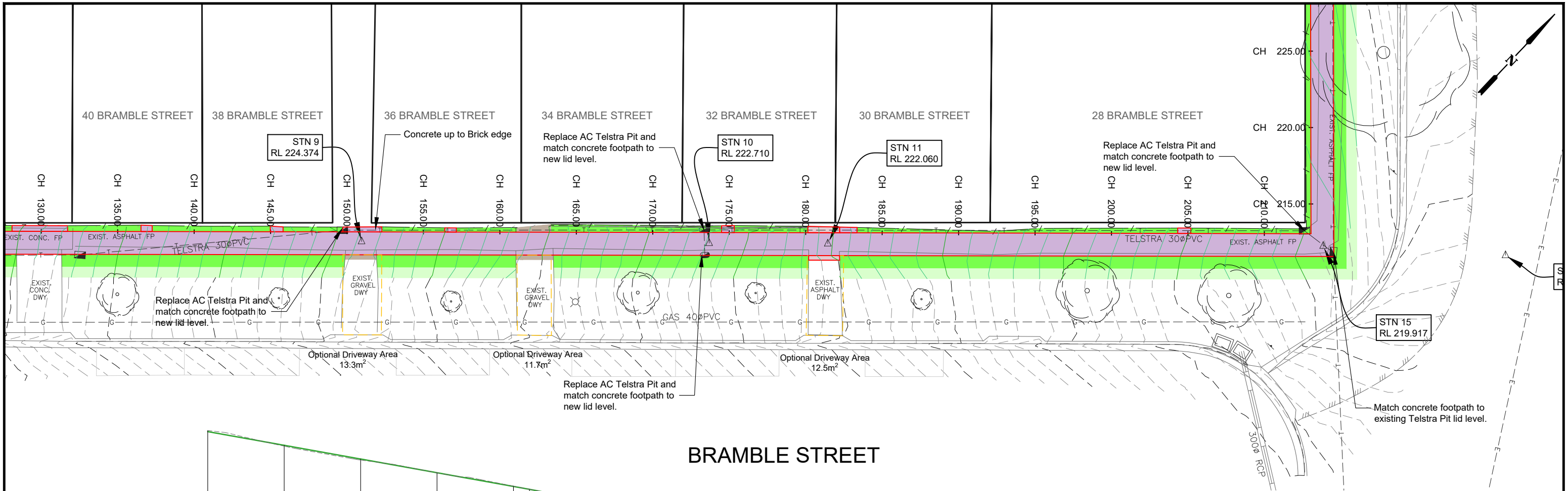


PROJECT DESIGN STATUS		
Surveyor:	H. WHYTOCK	09/05/23
Designer:	B. JANSSEN	10/10/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 2**

PROJECT DETAILS	
Location:	BRAMBLE STREET
Suburb:	BENDIGO
Works:	FOOTPATH RENEWAL
GB No:	GB5084

SHEET DETAILS		
GENERAL NOTES		Sheet number: 2 of 10
		Plan Scale: - A3
		Plotted: 10/10/2023 By: Bayley Janssen
SHEET REVISIONS AFTER TENDER		
Revision	Description	Approved by Date
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-	-	-
-	-	-

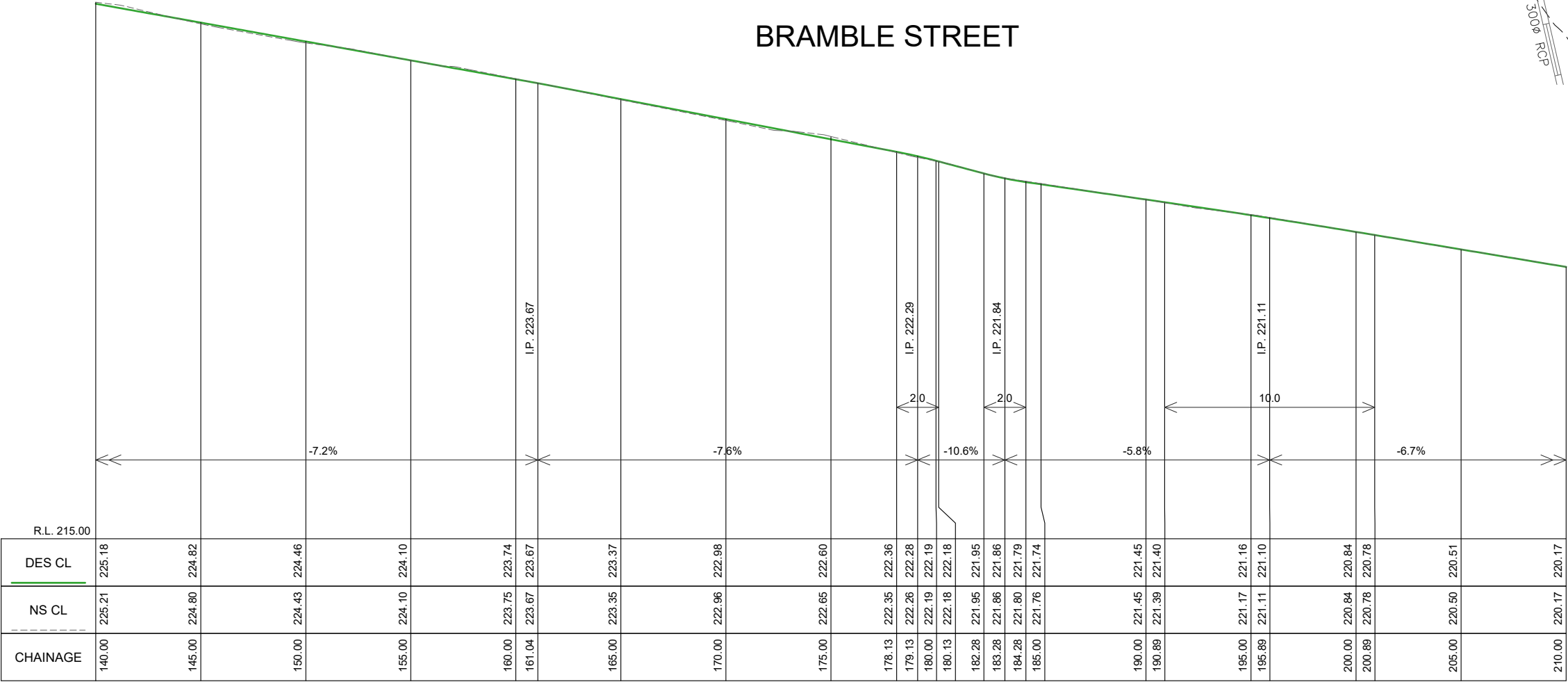


BRAMBLE STREET

Indicative concrete driveway construction. Requires landowner signed agreement.

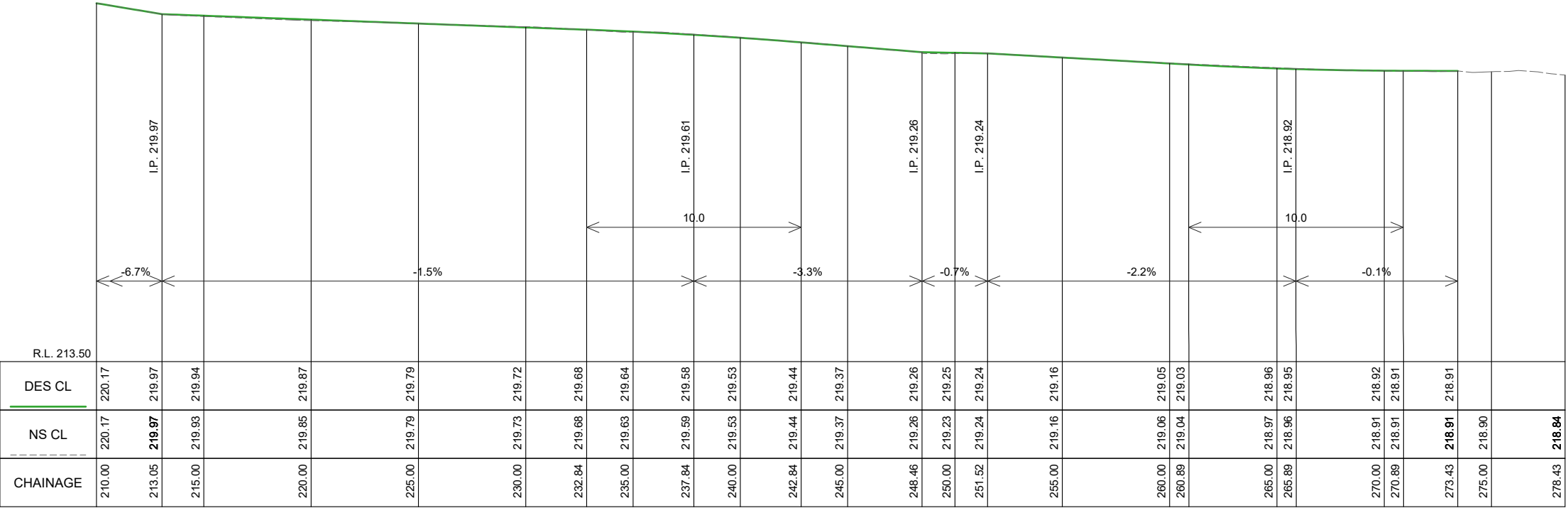
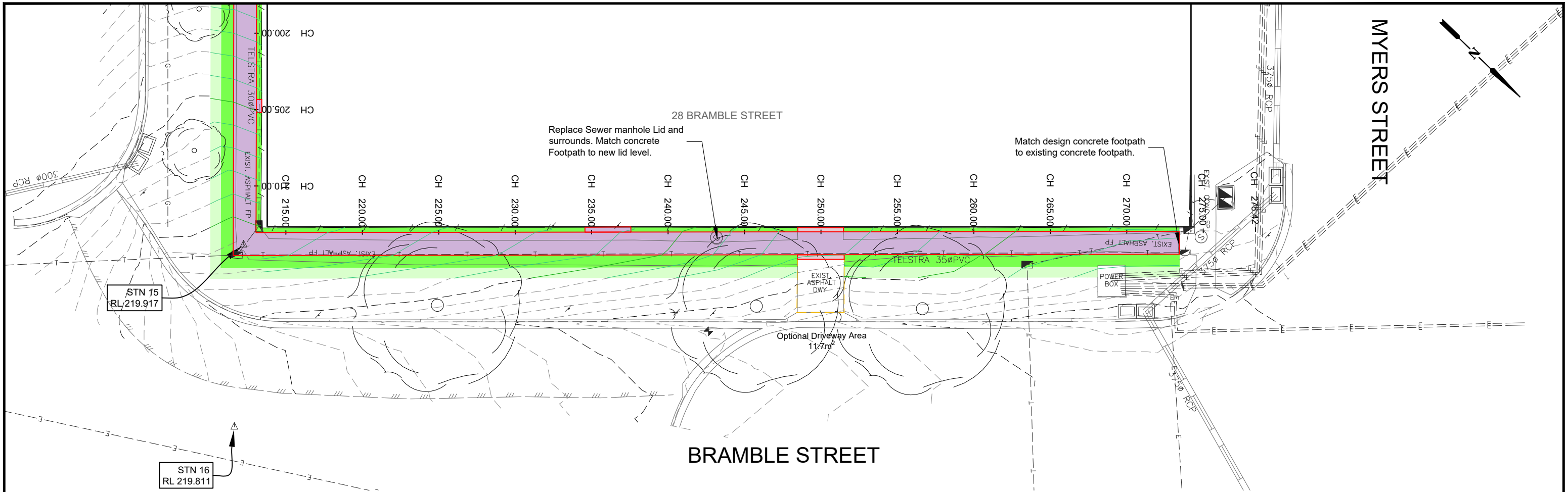
DRIVEWAY & PROPERTY BACKFILL NOTES:

- Backfill between Footpath and property fenceline to be instant turf unless at a driveway or property entrance.
- Existing Concrete Driveways - Sawcut existing driveway and match design footpath edge to match existing.
- Purchased Concrete Driveways - Construct concrete driveway as per IDM SD245. Match to edge of design footpath and existing concrete layback.
- Asphalt or Gravel Driveways - Reconstruct 300mm of driveway either side of the new footpath to transition from design footpath to existing levels.
- Property Entrance - Construct concrete footpath to match to existing property entrance.

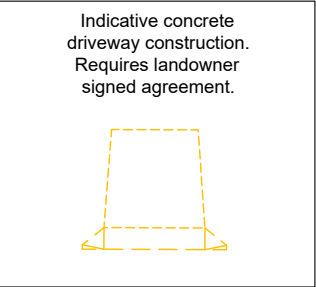


BRAMBLE STREET FOOTPATH LONGITUDINAL SECTION CH 140.000 To 210.000
SCALES: H 1:250 V 1:100 (A3)

LEGEND				PROJECT DESIGN STATUS		PROJECT DETAILS		SHEET DETAILS													
DESIGN CONTOURS - Levels to AHD (0.10m interval)	Concrete Driveway area: Normal plain Dwy as per IDM SD240	Landscape work: Instant turf (Refer: Typical details pg 2)		Surveyor: H. WHYTECK 09/05/23	Location: BRAMBLE STREET	PLAN VIEW & LONG SECTION	Sheet number: 5 of 10														
EXISTING CONTOURS - Levels to AHD (0.10m interval)	Asphalt Driveway area - 40mm Type N Asphalt - 150mm CL3 FCR	Landscape work: topsoil and seed (Refer: Typical details pg 2)	Designer: B. JANSSEN 10/10/23	Suburb: BENDIGO	Plan Scale: 1:250 A3																
Concrete Footpath area: Normal Black Footpath as per IDM SD 205 & SD210	Gravel Driveway area - 50mm CL3 FCR		Draft Checked: A. SMITH xx/xx/23	Works: FOOTPATH RENEWAL	SHEET REVISIONS AFTER TENDER	Plotted: 10/10/2023 By: Bayley Janssen															
			Tender Approved: N. SARTORI xx/xx/23	GB No: GB5084		<table><tr><th>Revision</th><th>Description</th><th>Approved by</th><th>Date</th></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td></tr><tr><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	Revision	Description	Approved by	Date	-	-	-	-	-	-	-	-	-	-	-
Revision	Description	Approved by	Date																		
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BRAMBLE STREET FOOTPATH LONGITUDINAL SECTION CH 210.000 To 277.438
SCALES: H 1:250 V 1:100 (A3)



DRIVEWAY & PROPERTY BACKFILL NOTES:

1. Backfill between Footpath and property fence/line to be instant turf unless at a driveway or property entrance.
2. Existing Concrete Driveways - Sawcut existing driveway and match design footpath edge to match existing.
3. Purchased Concrete Driveways - Construct concrete driveway as per IDM SD245. Match to edge of design footpath and existing concrete layback.
4. Asphalt or Gravel Driveways - Reconstruct 300mm of driveway either side of the new footpath to transition from design footpath to existing levels.
5. Property Entrance - Construct concrete footpath to match to existing property entrance.

LEGEND

DESIGN CONTOURS
- Levels to AHD (0.10m interval)

EXISTING CONTOURS
- Levels to AHD (0.10m interval)

Concrete Footpath area: Normal Black Footpath as per IDM SD 205 & SD210

Concrete Driveway area: Normal plain Dwy as per IDM SD240

Asphalt Driveway area
- 40mm Type N Asphalt
- 150mm CL3 FCR

Gravel Driveway area
- 50mm CL3 FCR

Landscape work: Instant turf (Refer: Typical details pg 2)

Landscape work: topsoil and seed (Refer: Typical details pg 2)

CITY OF GREATER BENDIGO

PROJECT DESIGN STATUS

Surveyor:	H. WHYTECK	09/05/23
Designer:	B. JANSSEN	10/10/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

PRELIMINARY DESIGN DRAFT 2

PROJECT DETAILS

Location: BRAMBLE STREET

Suburb: BENDIGO

Works: FOOTPATH RENEWAL

GB No: GB5084

SHEET DETAILS

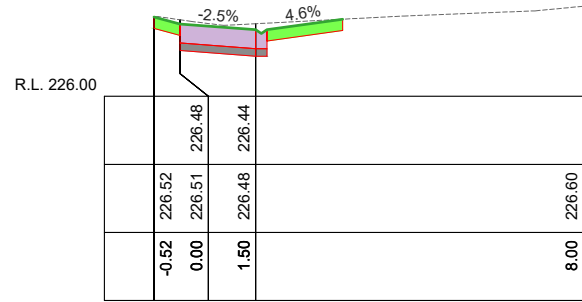
PLAN VIEW & LONG SECTION

Sheet number: 6 of 10

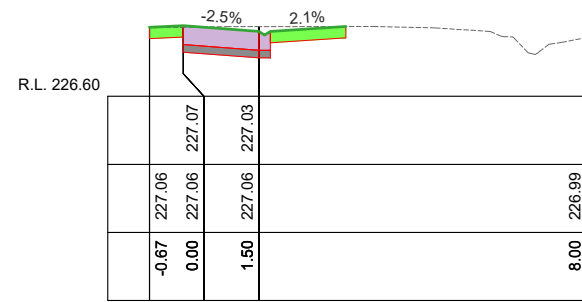
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Plotted: 10/10/2023 By: Bayley Janssen

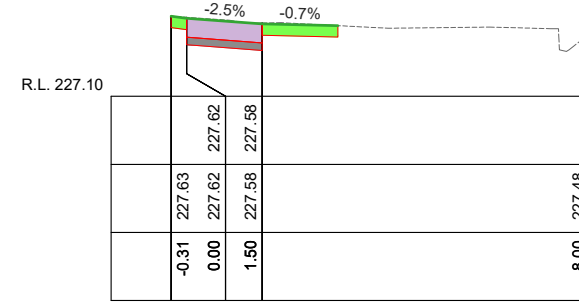
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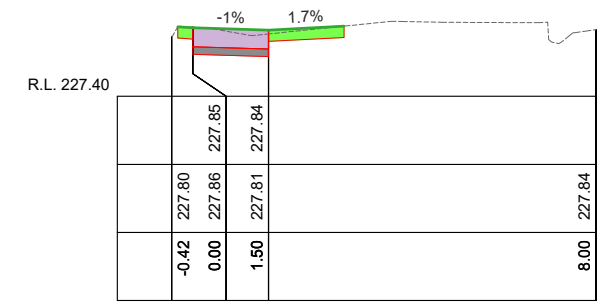
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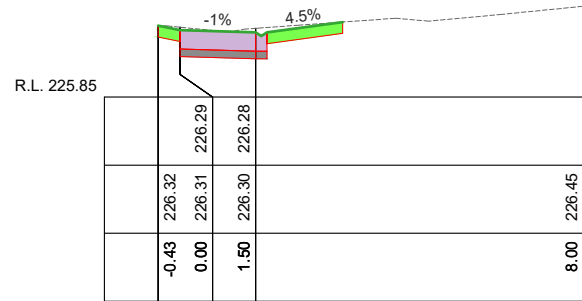
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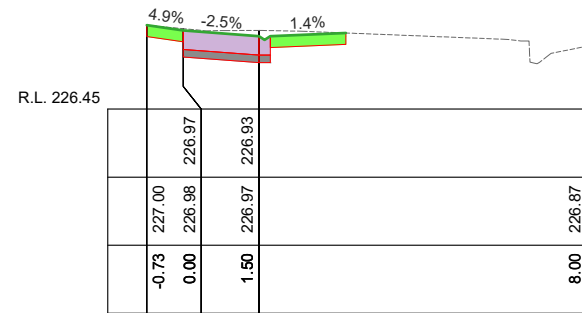
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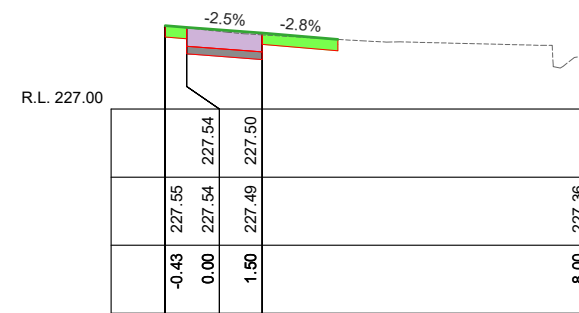
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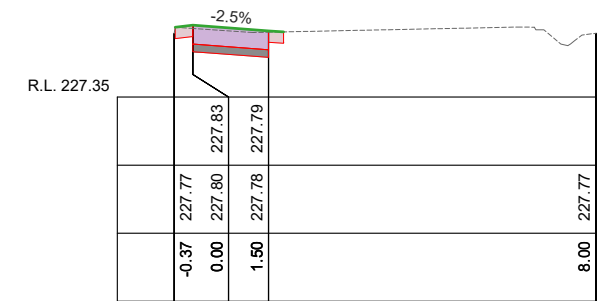
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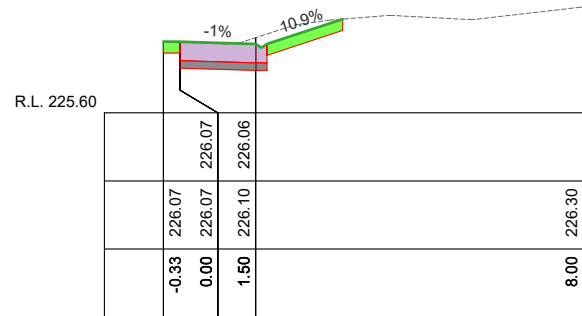
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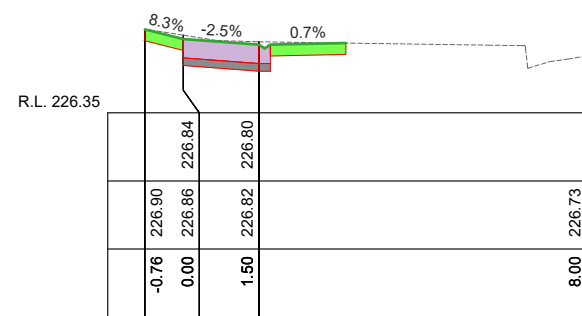
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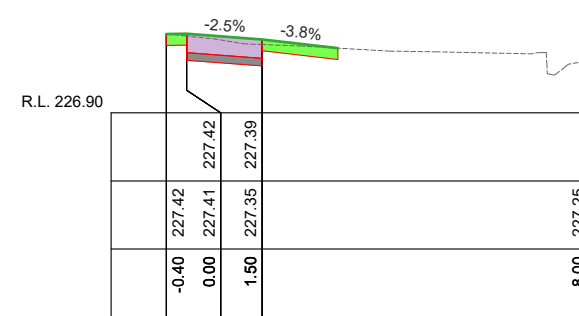
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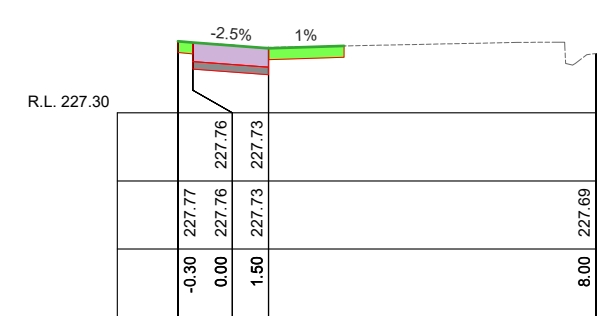
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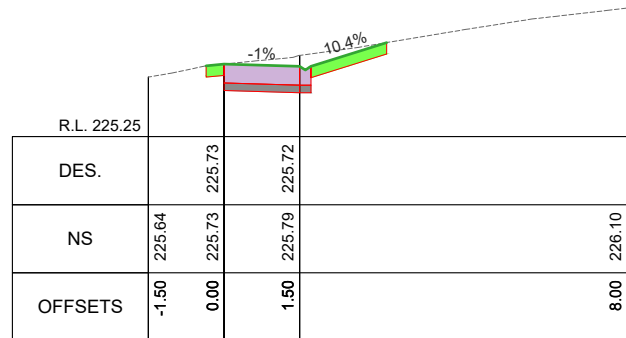
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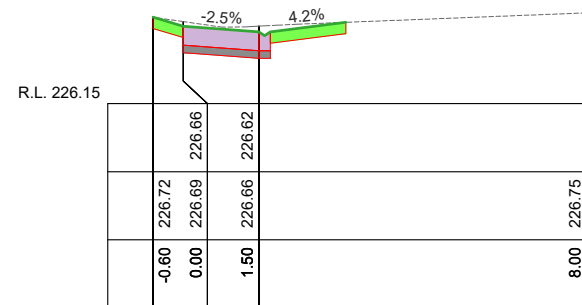
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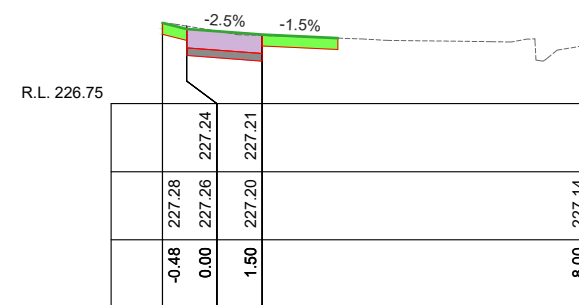
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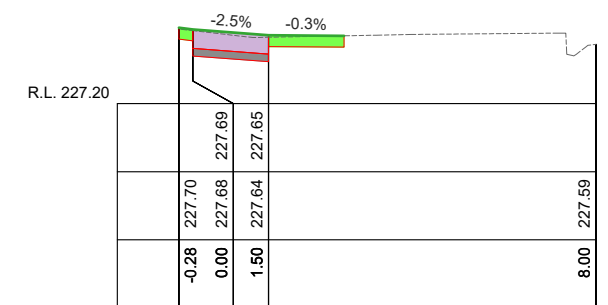
Ch 5.00



Ch 25.00



Ch 45.00



Ch 65.00

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

LEGEND

	Black Concrete		Asphalt Driveway
	CL3 FCR		Gravel Driveway
	Naturestrip Treatment		



PROJECT DESIGN STATUS

Surveyor:	H. WHYTOCK	09/05/23
Designer:	B. JANSSEN	10/10/23
Draft Checked:	A. SMITH	xx/xx/23
Tender Approved:	N. SARTORI	xx/xx/23

**PRELIMINARY DESIGN
DRAFT 2**

PROJECT DETAILS

Location: **BRAMBLE STREET**
Suburb: **BENDIGO**
Works: **FOOTPATH RENEWAL**
GB No: **GB5084**

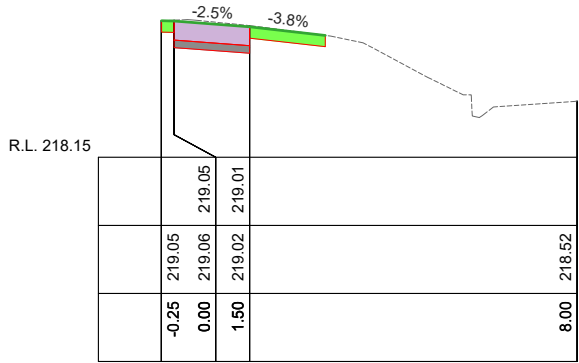
SHEET DETAILS

CROSS SECTIONS

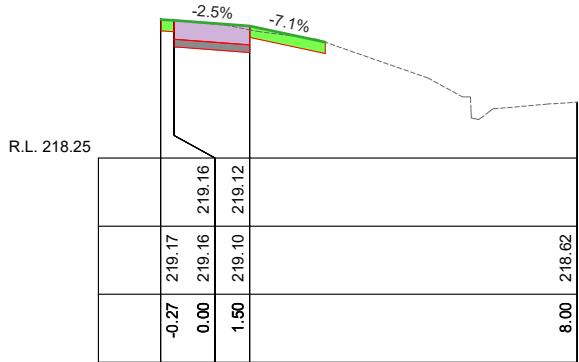
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Plan Scale:	AS SHOWN A3
Plotted:	10/10/2023 By: Bayley Janssen

SHEET REVISIONS AFTER TENDER

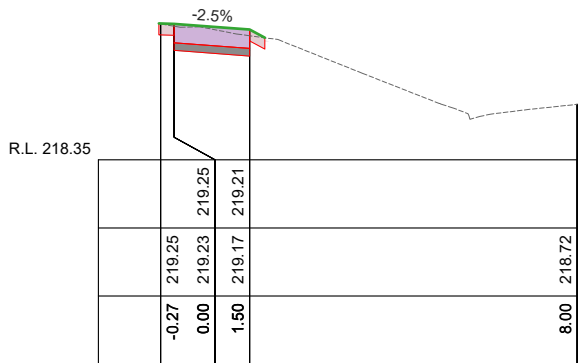
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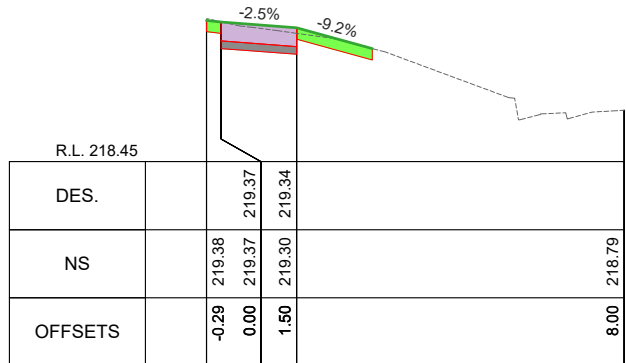
Ch 260.00



Ch 255.00

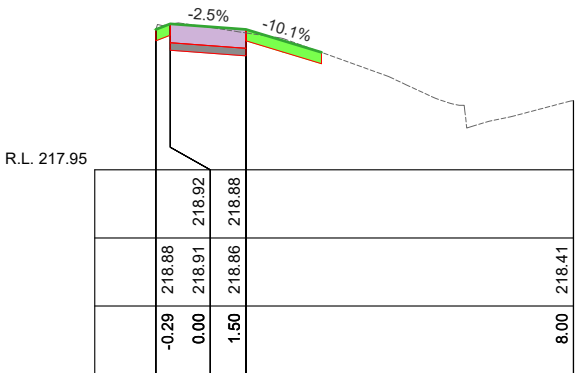


Ch 250.00

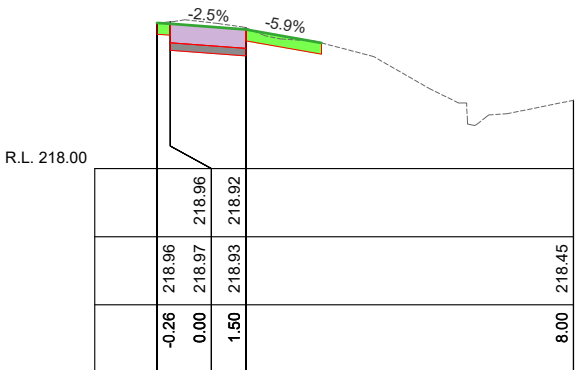


Ch 245.00

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

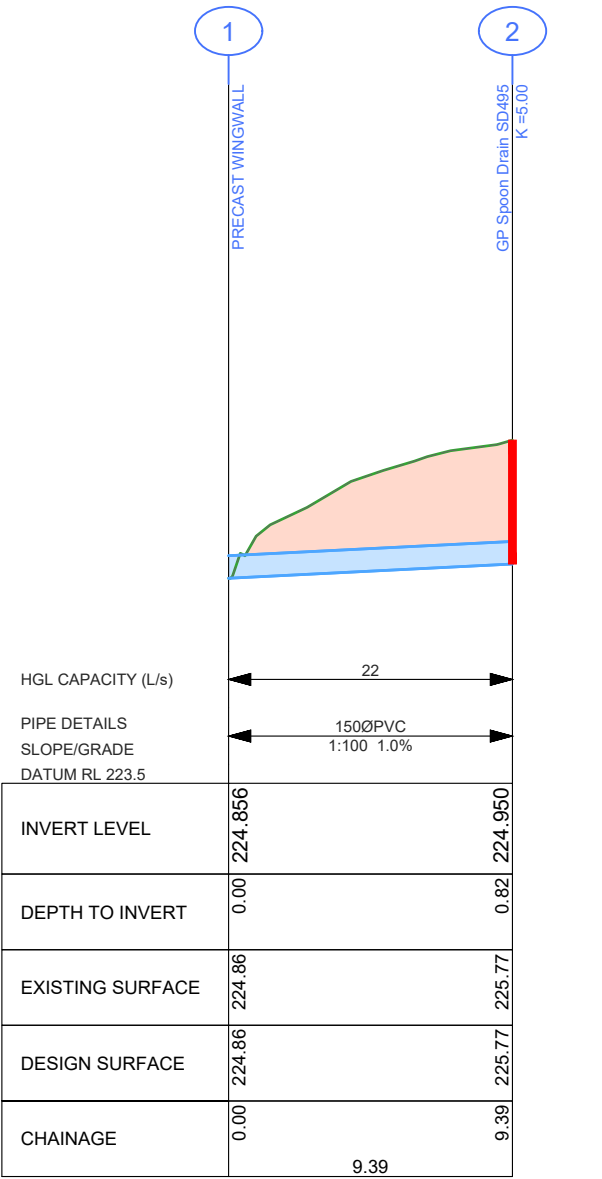


Ch 270.00



Ch 265.00

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
1	Endwall	Mortar around pipe exit	(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)
2	Grated Pit	IDM SD495	450	450	150	224.950	150	224.856	0.000	224.856



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

LEGEND

Black Concrete

CL3 FCR

Naturestrip Treatment

Asphalt Driveway

Gravel Driveway

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: H. WHYTOCK 09/05/23

Designer: B. JANSSEN 10/10/23

Draft Checked: A. SMITH xx/xx/23

Tender Approved: N. SARTORI xx/xx/23

PROJECT DETAILS

Location: BRAMBLE STREET

Suburb: BENDIGO

Works: FOOTPATH RENEWAL

GB No: GB5084

SHEET DETAILS

CROSS SECTIONS & DRAINAGE

SHEET REVISIONS AFTER TENDER

Revision Description Approved by Date

- - - -

- - - -

- - - -

Sheet number: 10 of 10

Plan Scale: AS SHOWN A3

Plotted: 10/10/2023 By: Bayley Janssen