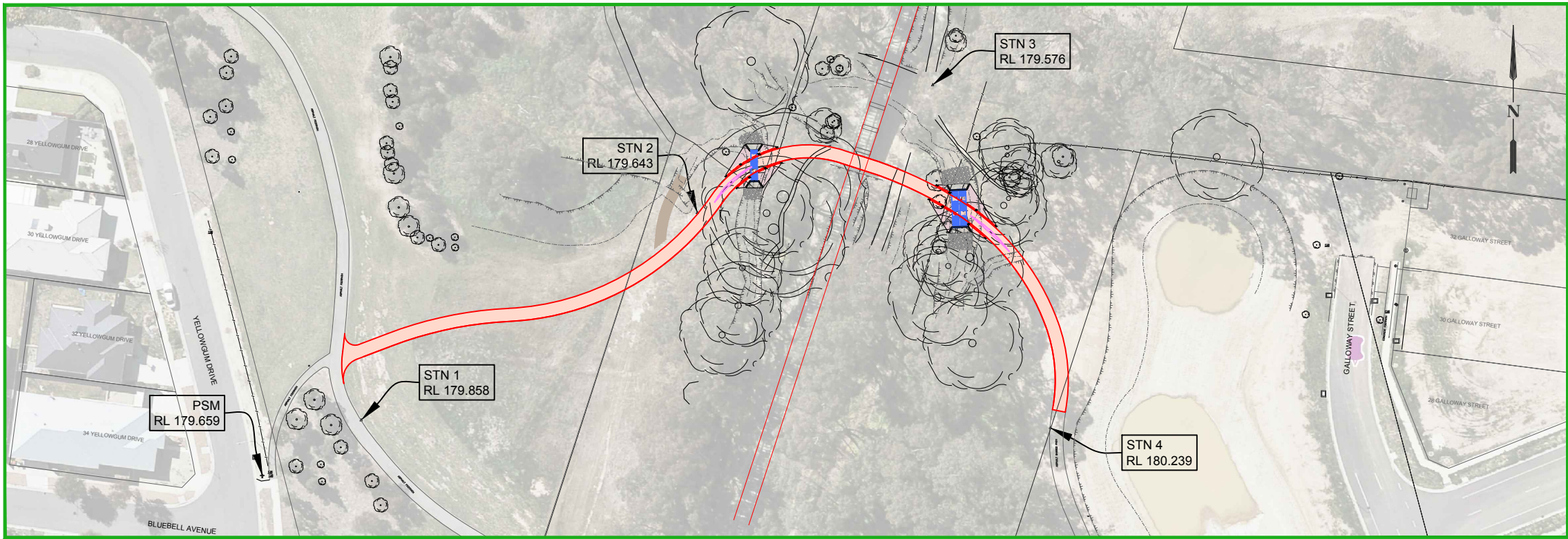
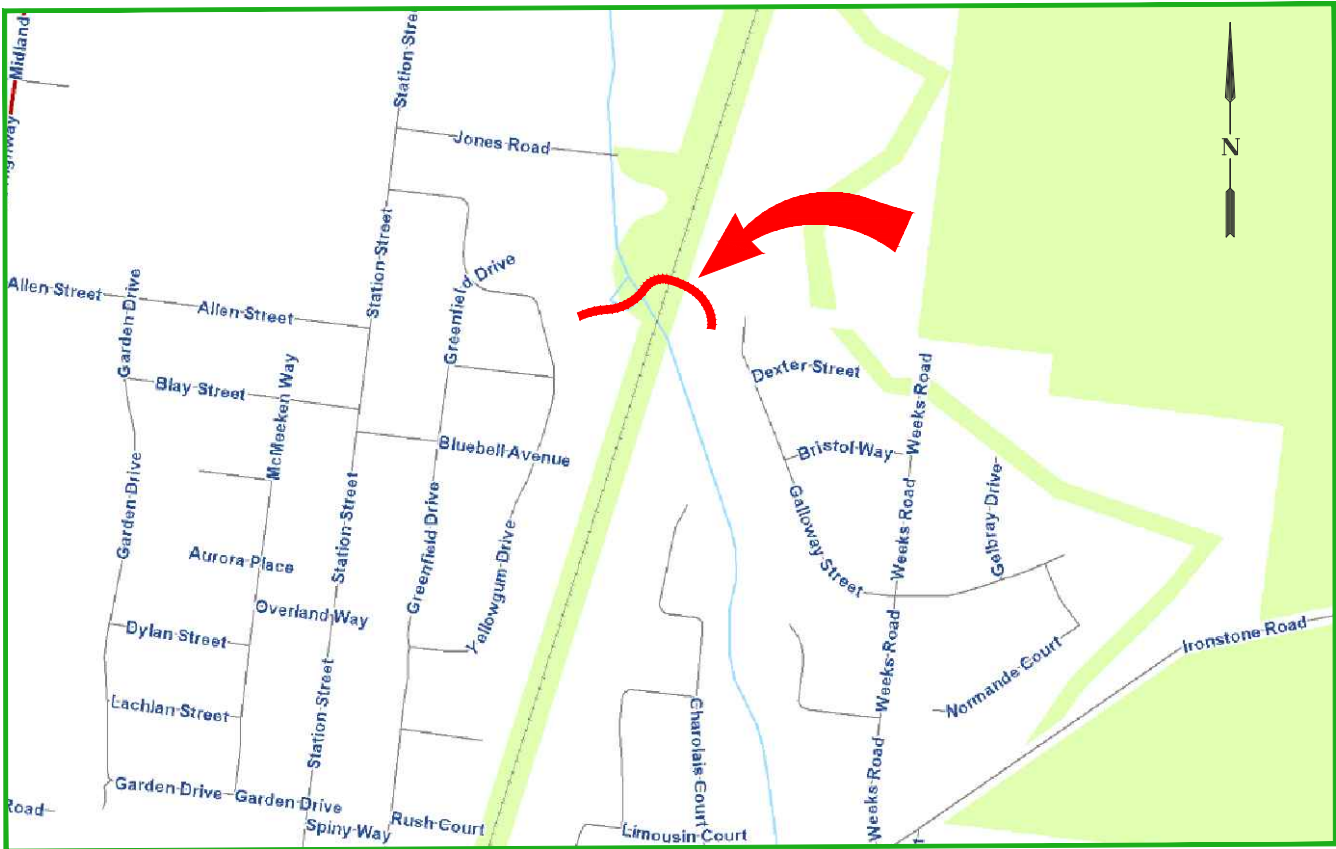


GALLOWAY STREET UNDERPASS, EPSOM

GB4552


SHARED PATH
OCTOBER 2019

DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	31/10/19	XX/XX/XX	XX/XX/XX
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	PLAN + LONG SECTION	A		
4	PLAN + LONG SECTION	A		
5	CROSS-SECTION	A		
6	DRAINAGE LONG SECTION	A		
7	TABLE DRAIN PLAN + LONG SECTION + CROSS-SECTION	A		
8	SETOUT	NA		



AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



GALLOWAY STREET
EPSOM
UNDERPASS
COVER SHEET

Survey	J.BENIPAL	SEP 2019
Design	J.BENIPAL	OCT 2019
Checked	A.SMITH	
Approved by	N.SARTORI	
Scale: -	Revision: A	
Original sheet size: A3	File: GB4552.dwg	
Sheet: 1 OF 8	Reference: GB4552	

PRELIMINARY DESIGN
DRAFT 1

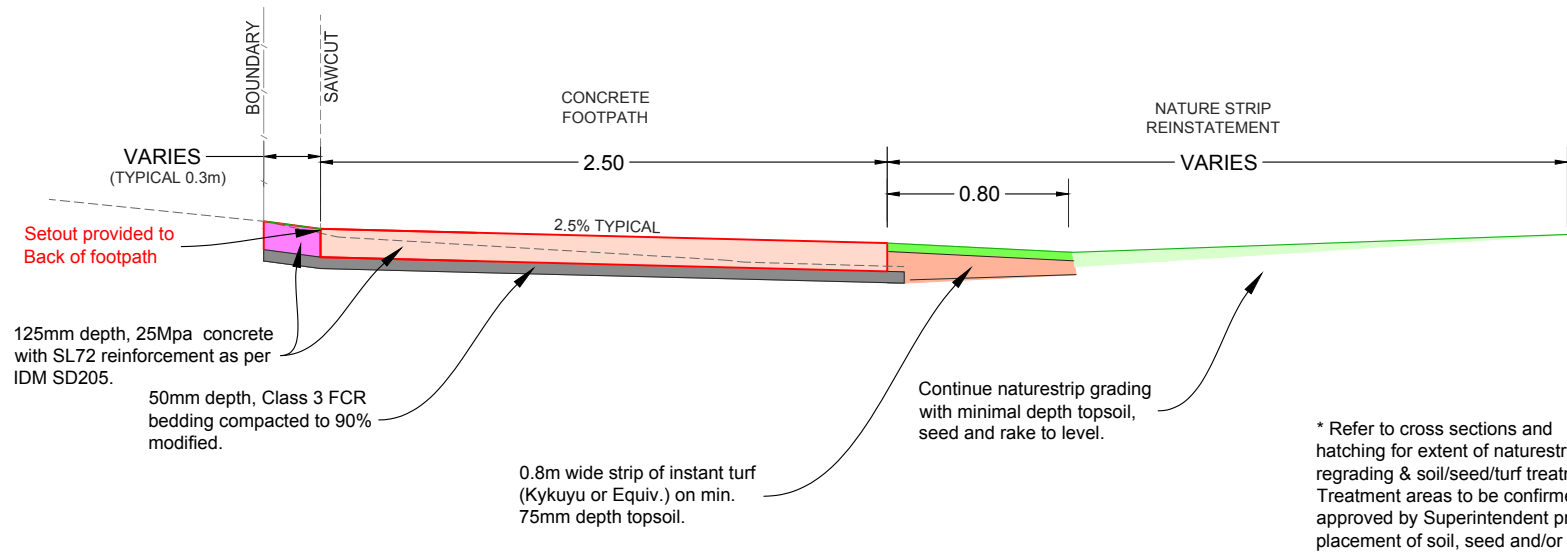
Plot Date: 6/11/2019
Plotted By: JAGRAJ BENIPAL



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.

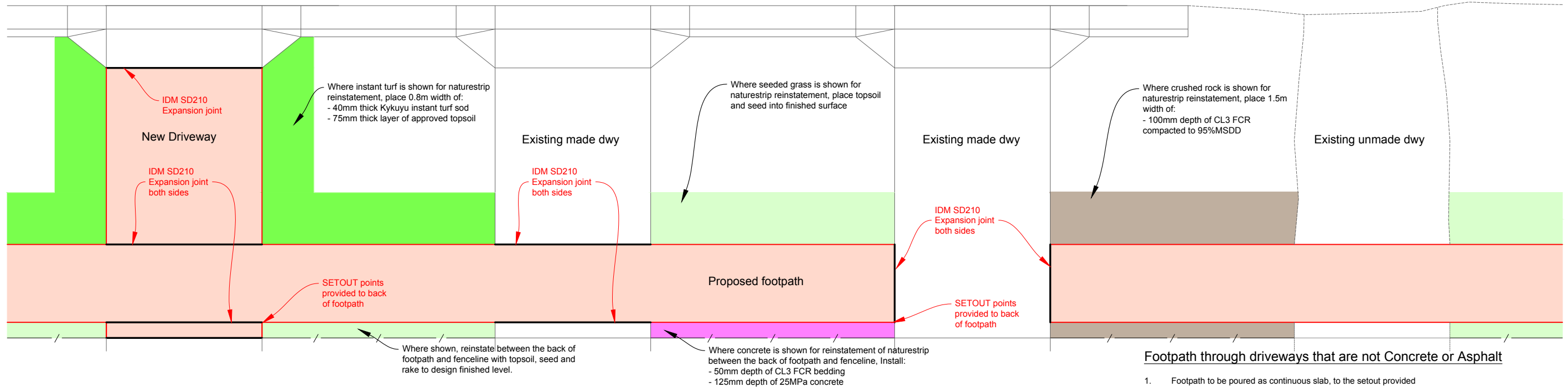
TYPICAL RESIDENTIAL FOOTPATH SECTION

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
- Black 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.
- Expansion joints as per IDM SD210 to be constructed at any joins with existing footpath/driveways or bridges or where noted.
- 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.
- Footpath to match levels of existing bridge edges

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.

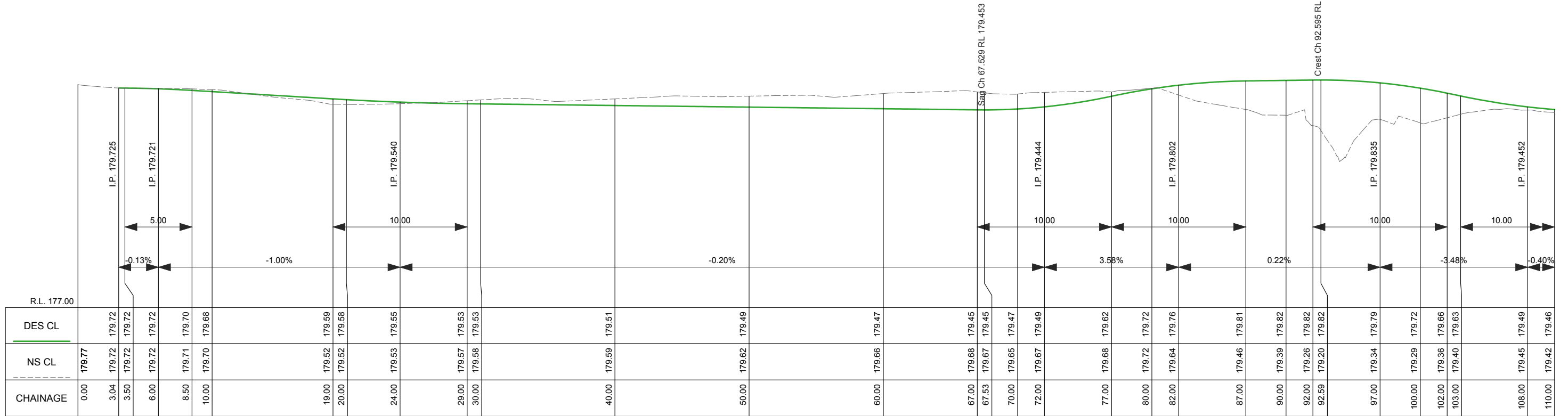
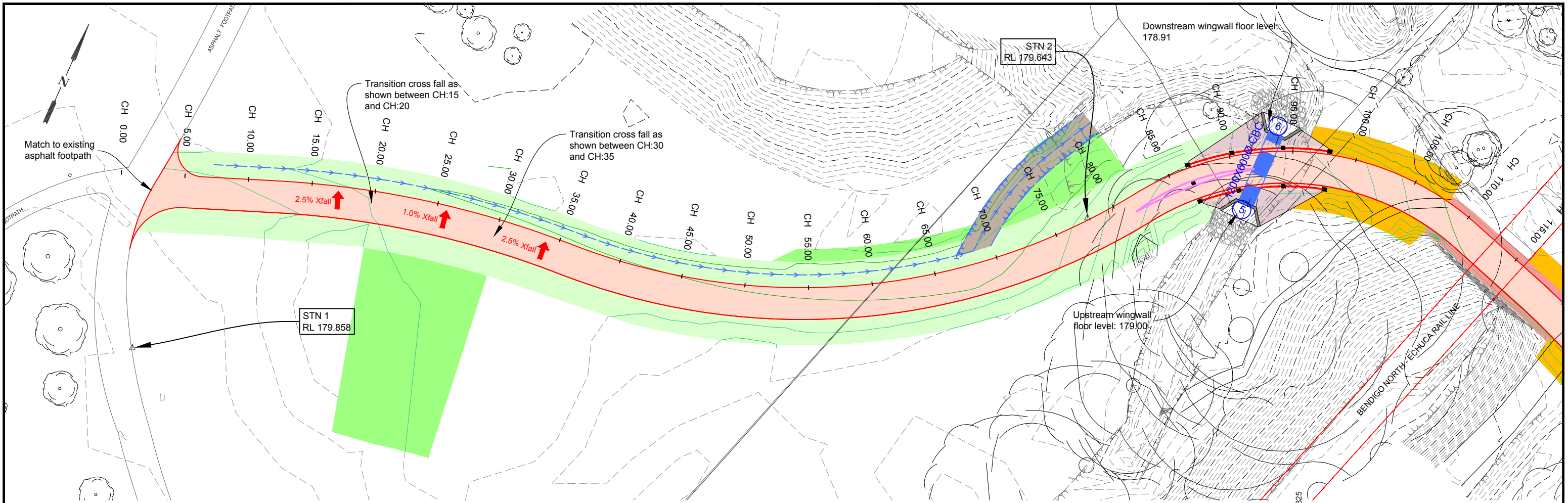
AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO	
GALLOWAY STREET EPSOM UNDERPASS	
GENERAL NOTES	

Survey	J.BENIPAL	SEP 2019
Design	J.BENIPAL	OCT 2019
Checked	A.SMITH	
Approved by	N.SARTORI	
Scale: -	Revision: A	
Original sheet size: A3	File: GB4552.dwg	
Sheet: 2 OF 8	Reference: GB4552	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 6/11/2019
Plotted By: JAGRAJ BENIPAL



GALLOWAY STREET FOOTPATH LONGITUDINAL SECTION CH 0.000 To 110.000
SCALES: H 1:300 V 1:50 (A3)

LEGEND

Concrete Footpath
IDM SD205

Concrete between
Footpath + Pier
COGB SD205

Naturestrip
75 mm topsoil and
seed

Eucalyptus Mulch
50mm depth

Naturestrip
Grade with 20mm depth
topsoil and seed

100mm Sandstone
Pressed into Concrete
Slurry

Sandstone Beaching
300mm depth 300/20mm
sandstone

Reinforced Concrete Wingwall
Vicroads SD1981 Modified (Walls
constant height)

COGB Park bollard

COGB Park bollard with
double row galvanised
steel bars

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

GALLOWAY STREET
EPSOM
UNDERPASS

PLAN + LONG SECTION

Survey

J.BENIPAL

SEP 2019

Design

J.BENIPAL

OCT 2019

Checked

A.SMITH

Approved by

N.SARTORI

Scale: H 1:300 V 1:50

Revision : A

Original sheet size: A3

File : GB4552.dwg

Sheet:

3 OF 8

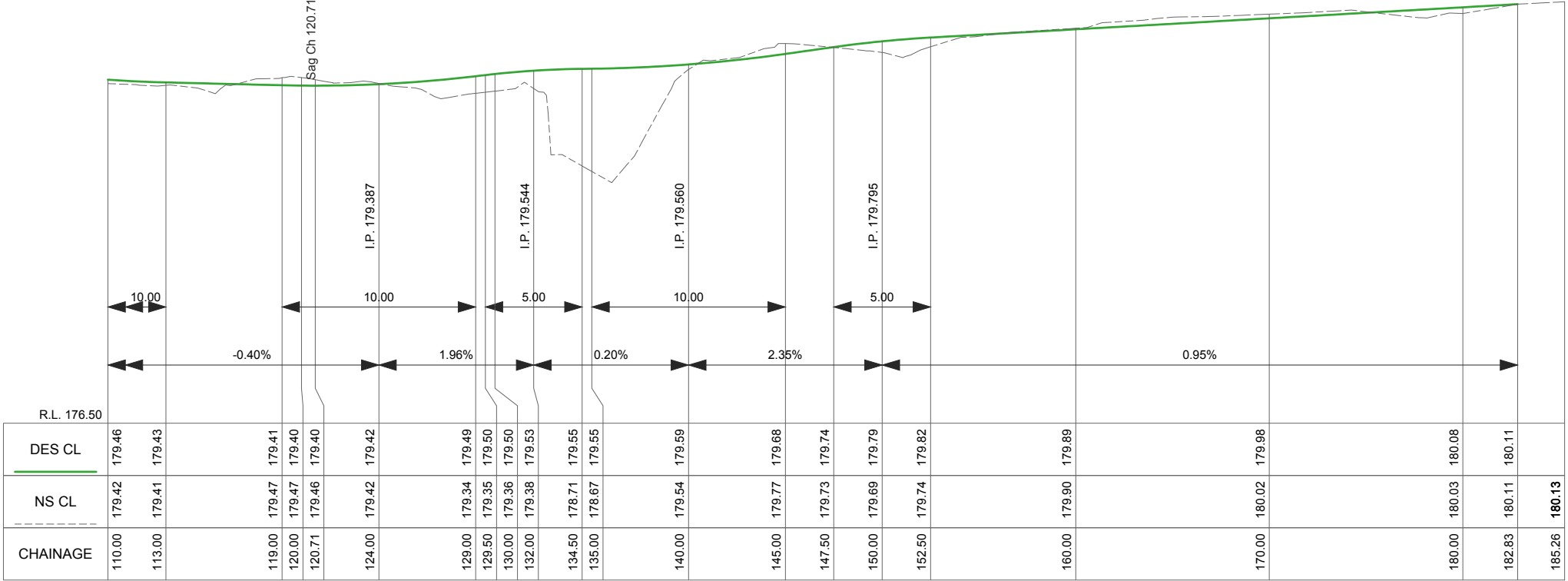
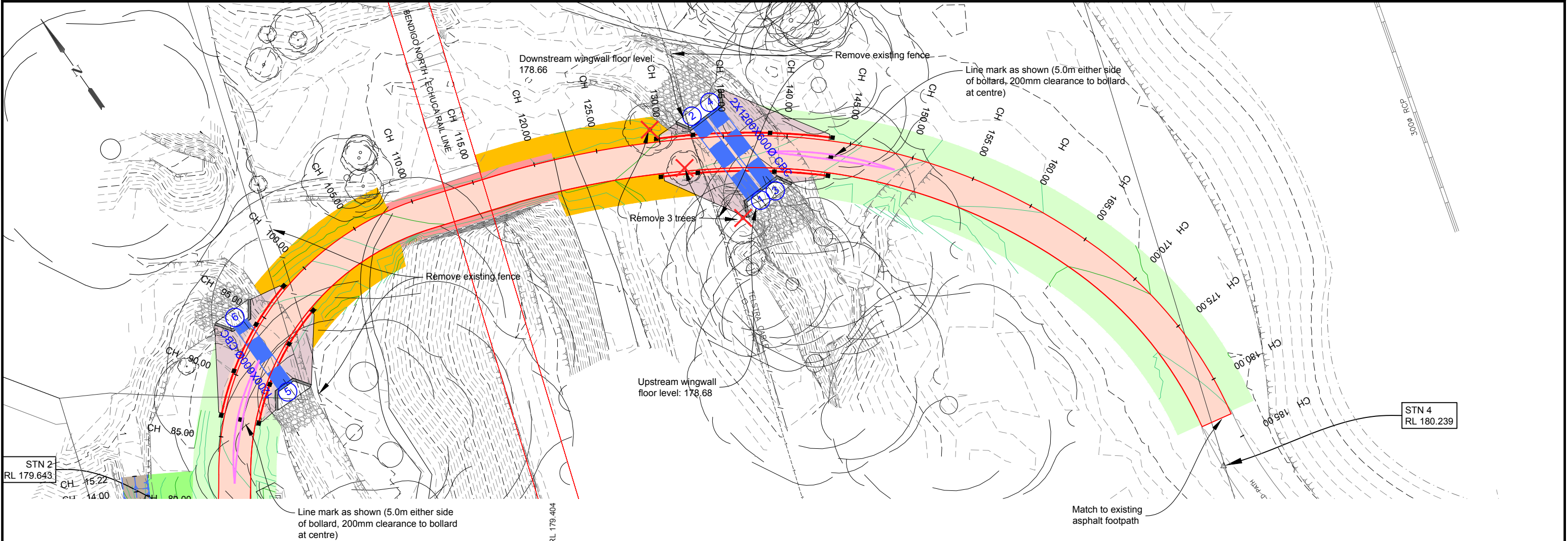
Reference:

GB4552

PRELIMINARY DESIGN
DRAFT 1

Plot Date: 6/11/2019

Plotted By: JAGRAJ BENIPAL



GALLOWAY STREET FOOTPATH LONGITUDINAL SECTION CH 110.000 To 185.258
SCALES: H 1:300 V 1:50 (A3)

LEGEND

Concrete Footpath
IDM SD205

Concrete between
Footpath + Pier
COGB SD205

Naturestrip
75 mm topsoil and
seed

Eucalyptus Mulch
50mm depth

Naturestrip
Grade with 20mm depth
topsoil and seed

100mm Sandstone
Pressed into Concrete
Slurry

Sandstone Beaching
300mm depth 300mm
sandstone

Reinforced Concrete Wingwall
Vicroads SD1981 Modified (Walls
constant height)


COGB Park bollard

COGB Park bollard with
galvanised steel bar

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



**GALLOWAY STREET
EPSOM
UNDERPASS**

PLAN + LONG SECTION

Survey	J.BENIPAL	SEP 2019
Design	J.BENIPAL	OCT 2019
Checked	A.SMITH	
Approved by	N.SARTORI	
Scale: H 1:300 V 1:50	Revision : A	
Original sheet size: A3	File : GB4552.dwg	
Sheet: 4 OF 8	Reference: GB4552	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 6/11/2019
Plotted By: JAGRAJ BENIPAL



GALLOWAY STREET FOOTPATH CROSS SECTIONS
SCALES: H 1:250 V 1:100 (A3)

LEGEND

Concrete Footpath IDM SD205	Concrete between Footpath + Pier COGB SD205	Naturestrip 75 mm topsoil and seed	Eucalyptus Mulch 50mm depth	Naturestrip Grade with 20mm depth topsoil and seed
100mm Sandstone Pressed into Concrete Slurry	Kerb Bedding 100mm Compacted depth *Class 3* FCR bedding	Kerb Bedding 50mm Compacted depth *Class 3* FCR bedding		

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

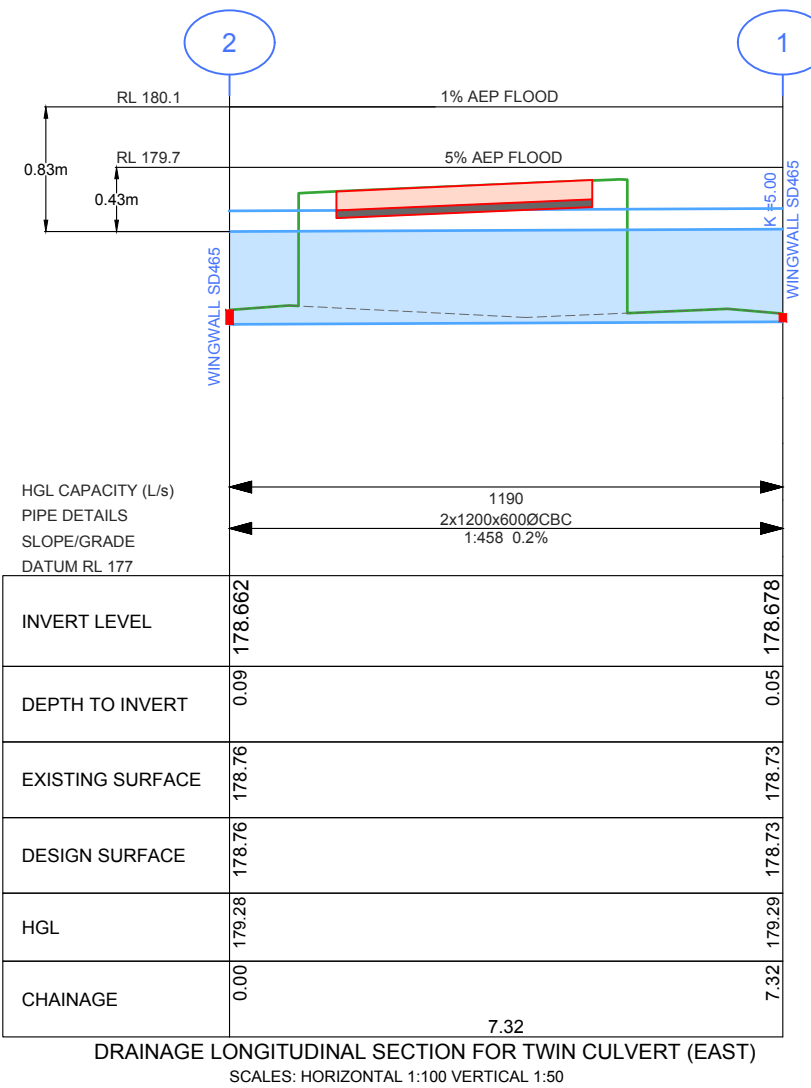
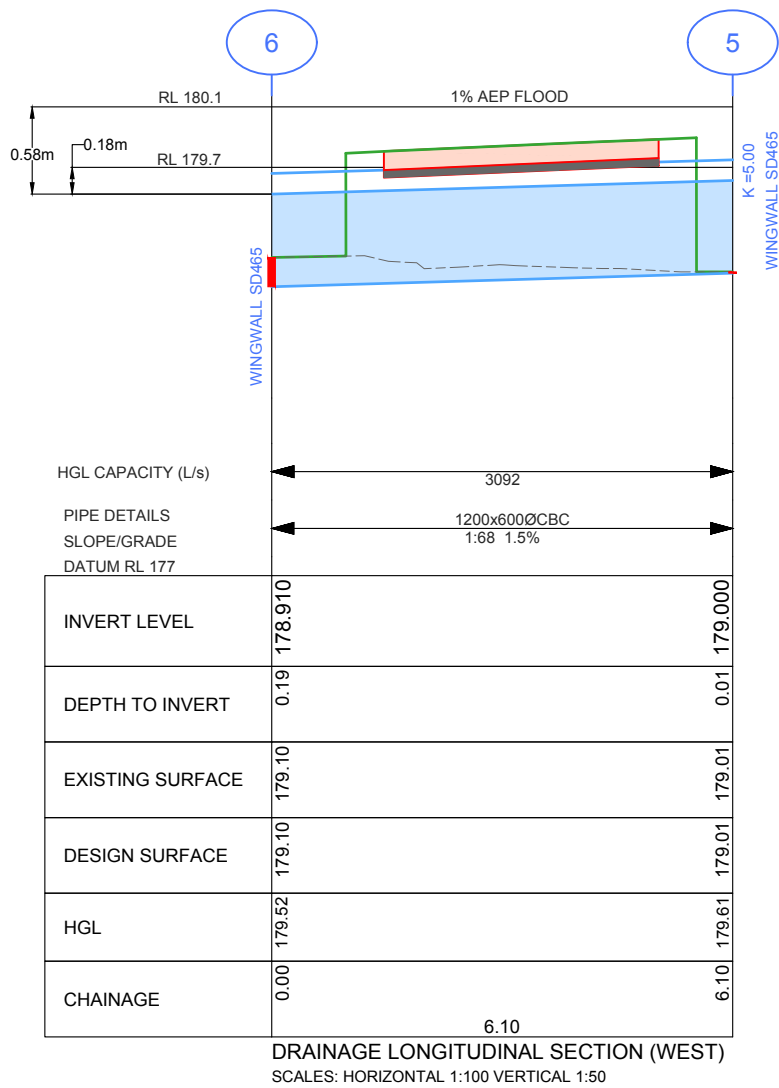
CITY OF GREATER BENDIGO

GALLOWAY STREET
EPSOM
UNDERPASS
CROSS-SECTION

Survey	J.BENIPAL	SEP 2019
Design	J.BENIPAL	OCT 2019
Checked	A.SMITH	
Approved by	N.SARTORI	
Scale: H 1:250 V 1:100	Revision : A	
Original sheet size: A3	File : GB4552.dwg	
Sheet: 5 OF 8	Reference: GB4552	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 6/11/2019
Plotted By: JAGRAJ BENIPAL



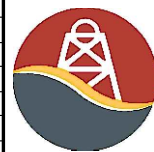
LEGEND

	New 1200X600 Box Culvert		Concrete Footpath IDM SD205		Kerb Bedding 50mm Compacted depth *Class 3" FCR bedding
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AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



GALLOWAY STREET
EPSOM
UNDERPASS
DRAINAGE LONG SECTION

Survey	J.BENIPAL	SEP 2019
Design	J.BENIPAL	OCT 2019
Checked	A.SMITH	
Approved by	N.SARTORI	
Scale: H 1:250 V 1:50	Revision : A	
Original sheet size: A3	File : GB4552.dwg	
Sheet: 6 OF 8	Reference: GB4552	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 6/11/2019
Plotted By: JAGRAJ BENIPAL

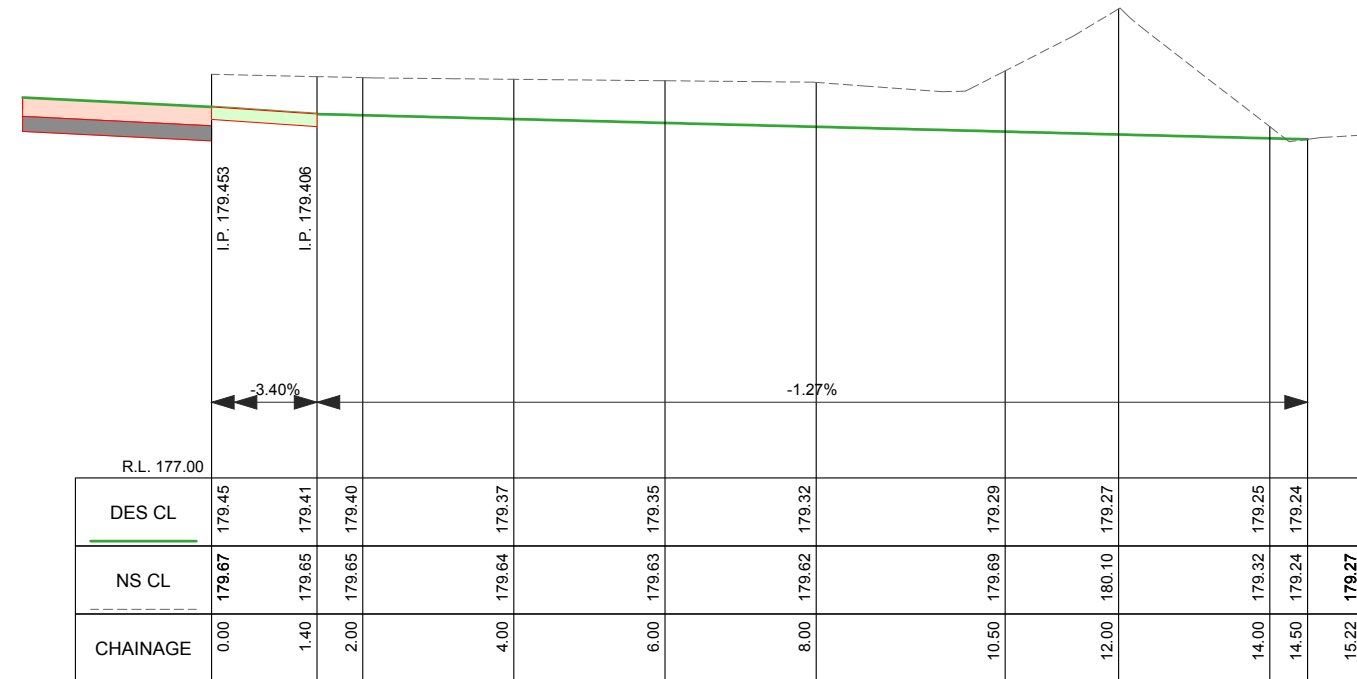
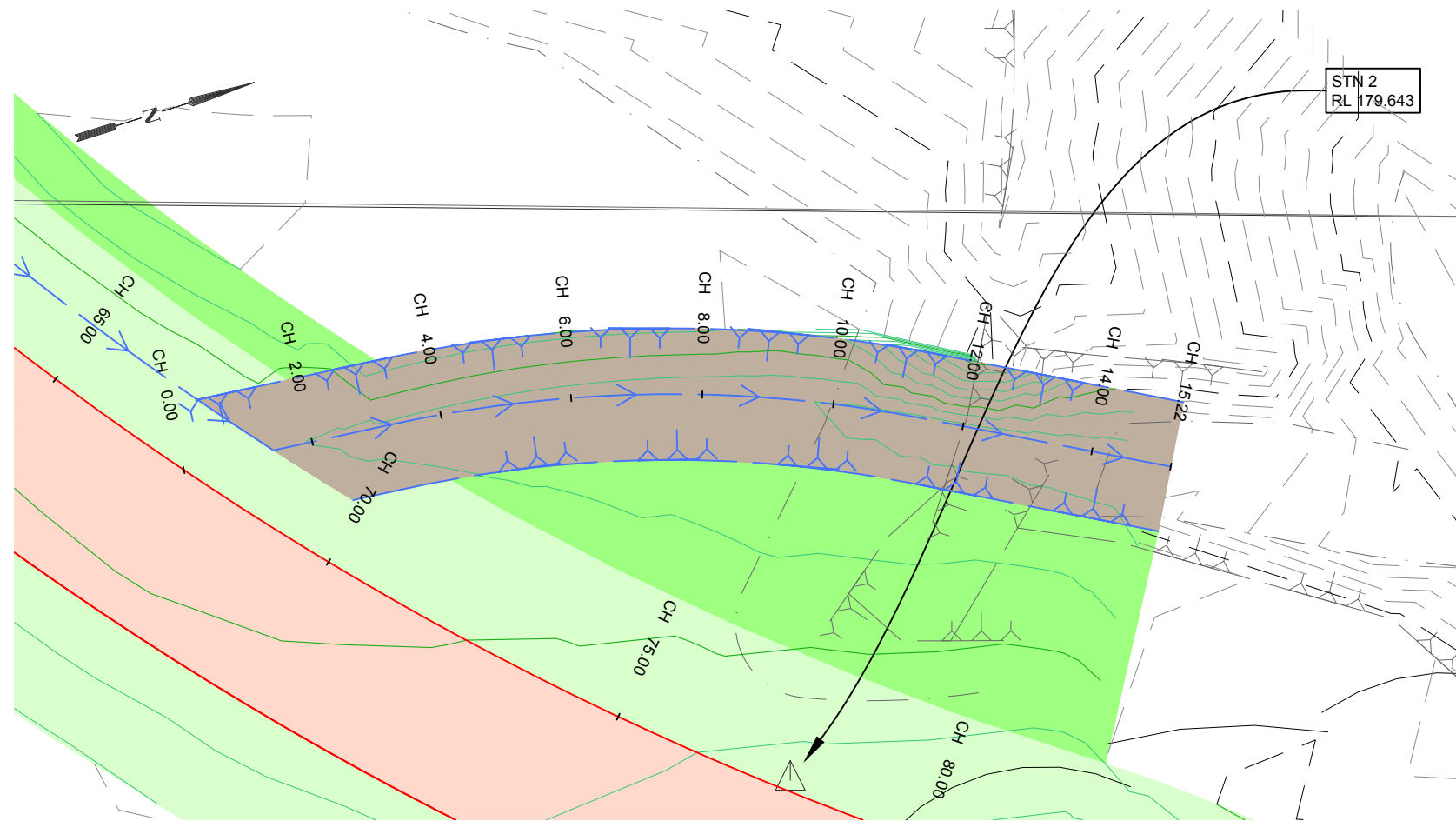
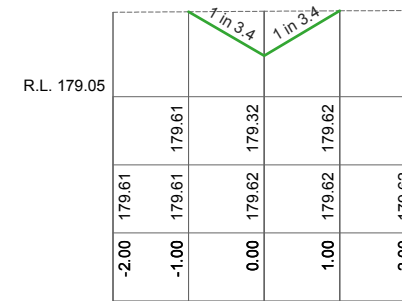
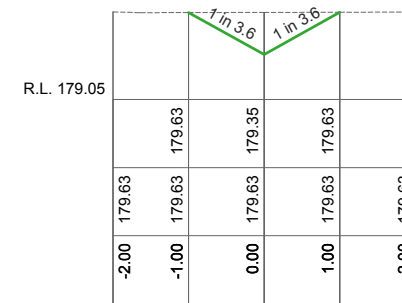


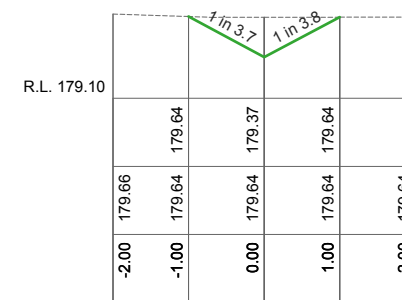
TABLE DRAIN LONGITUDINAL SECTION CH 0.000 To 15.223
SCALES: H 1:100 V 1:50 (A3)



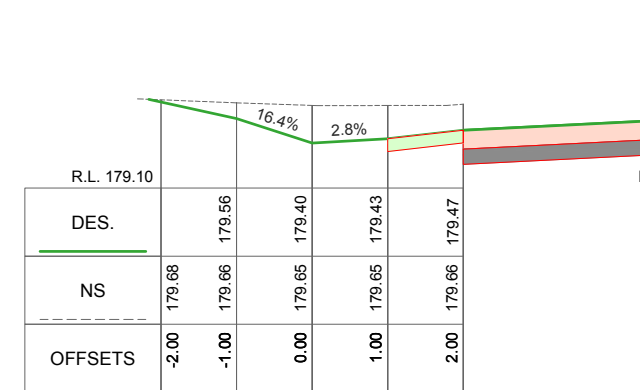
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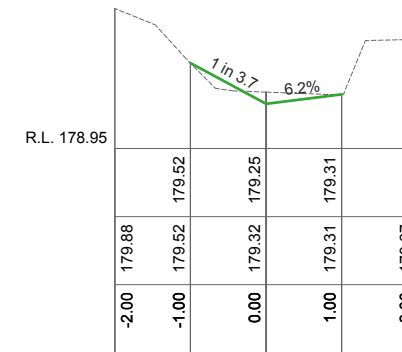
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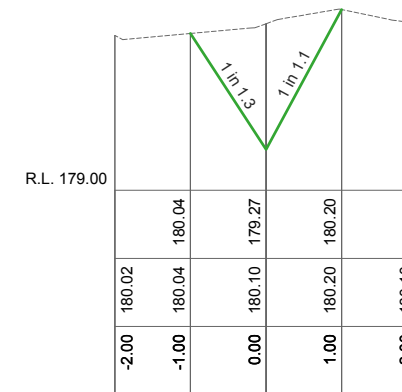
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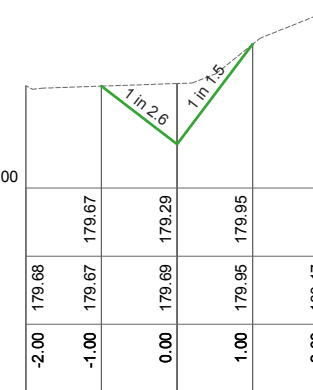
Ch 2.00
TABLE DRAIN CROSS SECTIONS
SCALES: H 1:100 V 1:50 (A3)



Ch 14.00



Ch 12.00



Ch 10.50

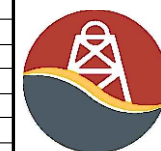
LEGEND

- Concrete Footpath
IDM SD205
- Table Drain
As per long section
- Naturestrip
75 mm topsoil and seed
- Naturestrip
Grade with 20mm depth topsoil and seed

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO



GALLOWAY STREET
EPSOM
UNDERPASS

TABLE DRAIN PLAN+LONG SECTION+CROSS-SECTION

Survey	J.BENIPAL	SEP 2019
Design	J.BENIPAL	OCT 2019
Checked	A.SMITH	
Approved by	N.SARTORI	
Scale: H 1:100 V 1:50	Revision : A	
Original sheet size: A3	File : GB4552.dwg	
Sheet: 7 OF 8	Reference: GB4552	

**PRELIMINARY DESIGN
DRAFT 1**

Plot Date: 6/11/2019
Plotted By: JAGRAJ BENIPAL