

# EWING PARK, BENDIGO

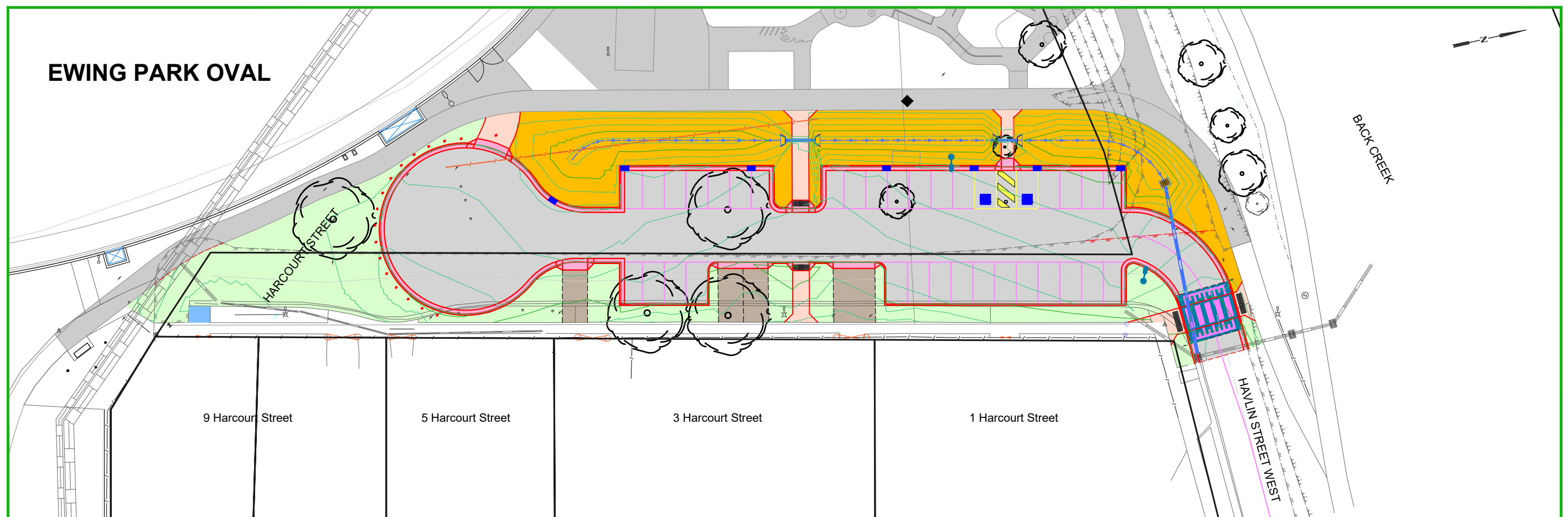
## GB4379B

### CARPARK CONSTRUCTION

#### JUNE 2021



DOCUMENT CONTROL				
SHEET No.	SHEET DESC.	02/06/21	xx/xx/xx	xx/xx/xx
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	DEMOLITION PLAN	A		
4	PLAN VIEW	A		
5	KERB LONG SECTIONS	A		
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7	CROSS SECTIONS	A		
8	DRAINAGE LONG SECTION	A		
9	SETOUT	A		



#### PROJECT EXTENTS

AMENDMENTS				CITY OF GREATER BENDIGO			Survey	SPIRE	08/08/18
Revision	Description	Approved by	Date		EWING PARK BENDIGO CARPARK CONSTRUCTION COVER SHEET		Design	B. JANSSEN	02/06/21
-	-	-	-				Checked	A. SMITH	XX/XX/XX
							Approved by	N. SARTORI	XX/XX/XX
							Scale: -	Revision: A	
							Original sheet size: A3	File: GB4379.dwg	
							Sheet: 1 OF 9	Reference: GB4379B	
							PRELIMINARY DESIGN DRAFT 3		
							Plot Date: 31/05/2021 Plotted By: BAYLEY JANSSEN		

FILL NOTES

1. All earthworks and compaction are to be in accordance with VicRoad's Specification Section 204.
2. All fill materials are to be approved by the Superintendent's Representative prior to being imported onto the site, and unless noted otherwise, shall be a clean clay based material free of vegetation matter or contaminants.
3. All filling is to comply with AS3798-1996 Appendix B, level 1 (or 2) as specified
4. The Contractor is responsible for ensuring that all imported fill material, including topsoil, satisfies the description for clean fill material in EPA bulletin publication No. 448 (Sep 95) and subsequent revisions. The Contractor shall provide verification including test certificates to the Superintendent's Representative.

ROAD CONSTRUCTION NOTES

1. All Works to be carried out in accordance with CoGB Standard Drawings, Specifications, approved plans and to the satisfaction of the Superintendent's Representative.
2. These notes also refer to the latest version of the Infrastructure Design Manual (IDM) and latest version of the IDM Standard Drawings.
3. The Project Manager is to be notified seven days prior to the commencement of Works with a Pre-commencement meeting to be held between CoGB, the Consultant and the Contractor. A site management plan is to be submitted prior to the commencement of Works and prior to the onsite Pre-commencement meeting.
4. Prior to commencement of the Works, the Contractor shall provide the following:

- Source of quarry material

- N.A.T.A. approved test results for the F.C.R that is to be used

- If the source of the quarry material is changed during the course of the Works, then new test results shall be provided.
5. Prior to commencement of Works on site, the Contractor must ensure that all matters relating to the Occupational Health and Safety Act 2004, have been and will be complied with.
6. On the commencement of construction, the Contractor must comply with the recommendation of the Environment Protection Authority publication "Construction Techniques for Sediment Pollution Control". Appropriate siltation control is to be maintained throughout the construction and maintenance period of the Works.
7. The disposal site for spoil storage, and truck removal route, is to be submitted in writing to, and approved by the Superintendent's Representative prior to the commencement of Works.
8. Where Works are in the vicinity of existing services, these services are to be located and exposed prior to commencement of the work. Relevant authorities are to be notified 7 days prior to the Works.
9. All dimensions are in metres unless noted otherwise.
10. All levels are to Australian Height Datum (AHD) unless noted otherwise.
11. All co-ordinates are to Map Grid of Australia (MGA) unless noted otherwise.
12. The Contractor must arrange the inspection of the Works with the Superintendent's Representative as per the hold points in the Specifications, or as directed by the Superintendent's Representative.
13. All redundant assets are to be removed and disposed off site unless noted otherwise.
14. All service conduit trenches under road pavements, under footpaths and under swales are to be backfilled as per IDM SD310 unless noted otherwise. Compaction standards noted in SD310 shall be achieved.
15. Blasting is not generally accepted.
16. All existing assets affected by the Works (i.e. signs, vehicle crossings, footpaths, kerb and line marking) shall be reinstated by the Contractor before the completion of Works, to the satisfaction of the Superintendent's Representative.
17. At the completion of all Works, all rubbish, debris and surplus spoil shall be removed and the site shall be cleared to the satisfaction of the Superintendent's Representative.
18. The Contractor is to obtain a Building Permit for any structures, fences and for any retaining walls over 1.0m in height.
19. Any infrastructure damage incurred during the Defects Liability Period noted on the contract is the responsibility of the Contractor and is to be reinstated to the satisfaction of the Superintendent's Representative.
20. All disturbed areas (eg. nature strips, batters, allotments and reserves) are to be reinstated to a clean, tidy condition, top dressed with 75mm min. depth approved top soil, and seeded with a CoGB approved blend or unless otherwise noted. Soil & seeded treated areas must be satisfactorily established prior to the end of the Maintenance Period otherwise further treatment is required by the Contractor.
21. Any exposed aggregate concrete works are to be achieved by sandblasting only. Washing aggregate off with water is not permitted.
22. The Contractor shall notify the public of any impending road closures by providing sufficient signage 2 weeks prior to construction commencing.

PAVEMENT NOTES

1. Construction of road pavements is to be in accordance with the requirements of VicRoad's Standard Specifications for Roadworks (Section 304). Testing must be carried out by a N.A.T.A. approved laboratory, or by calibrated nuclear densometer test to the relevant Australian Standard.
2. Compaction tests are to be undertaken in the following locations:

- At ⅔ depth of the pavement

- At alternating sides of the road

- 1.0m in from the seal edge or lip of kerb

- At even spacings.
3. The number of compaction tests shall comply with the table below:

Location	Number of Compaction tests
Court bowls	3
Intersections	2
Straights	1 per 500m2 (1/50m for 10.2m wide prvmt.)
4. Copies of the geotechnical results are to be submitted to the Superintendent's Representative.
5. Sub-base and base materials are to be at 85% optimum moisture content (OMC) during compaction, and maintained at 85% OMC until proof rolling.
6. Typical Compaction levels required (unless noted otherwise):

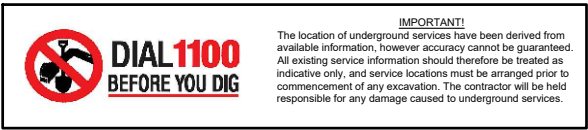
Subgrade: To be compacted to 100% standard dry density ratio.

Subbase: Flexible pavements shall be compacted in accordance with Scale C in VicRoads table 304.082.

Compaction shall be to 98% of the maximum dry density ratio determined by the modified compaction test.

Base: Flexible pavements shall be compacted in accordance with Scale C in VicRoads table 304.082.

Compaction shall be to 100% of the maximum dry density ratio determined by the modified compaction test.
7. Proof rolling of the Subgrade, Sub base and Base must be undertaken as per Section 12.7.15 of the IDM. Proof rolling will be at the expense of the contractor in accordance with AS3798 and the requirements of section 173 and 204.12 of the VicRoad's Specification. The Superintendent's Representative must be present during the proof rolling. The Subgrade must not deflect more than 2mm vertically within 300mm of the test roller in isolated locations.
8. Identification and treatment of soft areas during proof rolling shall be dealt with as per Sections 12.7.13 and 12.7.14 of the IDM and as approved by the Superintendent's Representative.



DRAINAGE CONSTRUCTION NOTES

1. 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.
2. 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.
3. All drainage pits are to be constructed as per the noted Standard Drawing.
4. Invert fall through pits is to be a min. of 30mm unless noted otherwise.
5. Concrete pit walls are to be sponge finished and floors are to be shaped for best hydraulic efficiency unless noted otherwise.
6. Pit lids are to be installed flush with the surrounding surface unless noted otherwise.
7. Where concrete box culverts (CBC) or Crown Units are specified, they are to be compliant to AS1597.
8. 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.
9. All pipe backfill is to be constructed as per the noted Standard Drawing.
10. 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 join 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.
11. 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.
12. 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.
13. 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.

FOOTPATH CONSTRUCTION NOTES

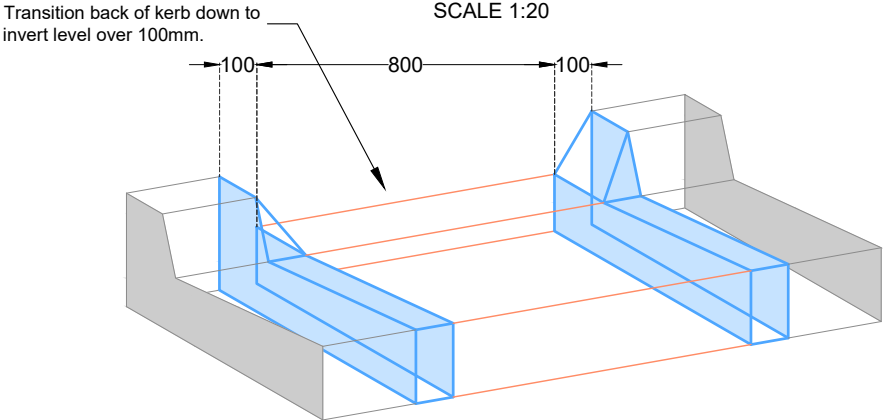
- Footpath to be constructed to IDM SD205 unless noted otherwise.
- Expansion joints as per IDM SD210 to be constructed at any joins with existing footpath/driveways or bridges or where noted.
- IDM SD210 expansion joints along new sections of footpath are to be at a maximum separation of 15m centres as per IDM SD210.
- 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 SD205 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.

VEGETATION PROTECTION NOTES

1. If fencing is required as a condition of the Planning Permit or as a result of the pre-construction meeting, a three strand star picket and wire fence shall be constructed.
2. All trees and shrubs are to be retained unless otherwise shown or directed by the Superintendent's Representative.
3. No tree or native vegetation is to be disturbed or removed without prior approval. Any approved trees or vegetation removed as part of the works are not to be burnt onsite.
4. If tree roots are discovered during excavation works, works in the immediate area shall cease until the Superintendent's Representative has inspected, and approved works to proceed.

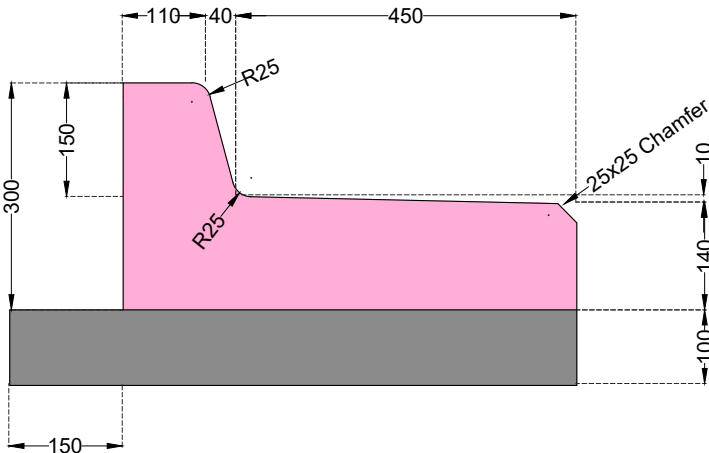
B4 KERB DEPRESSION

SCALE 1:20



B5 KERB

SCALE 1:10



AMENDMENTS			
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CITY OF GREATER BENDIGO

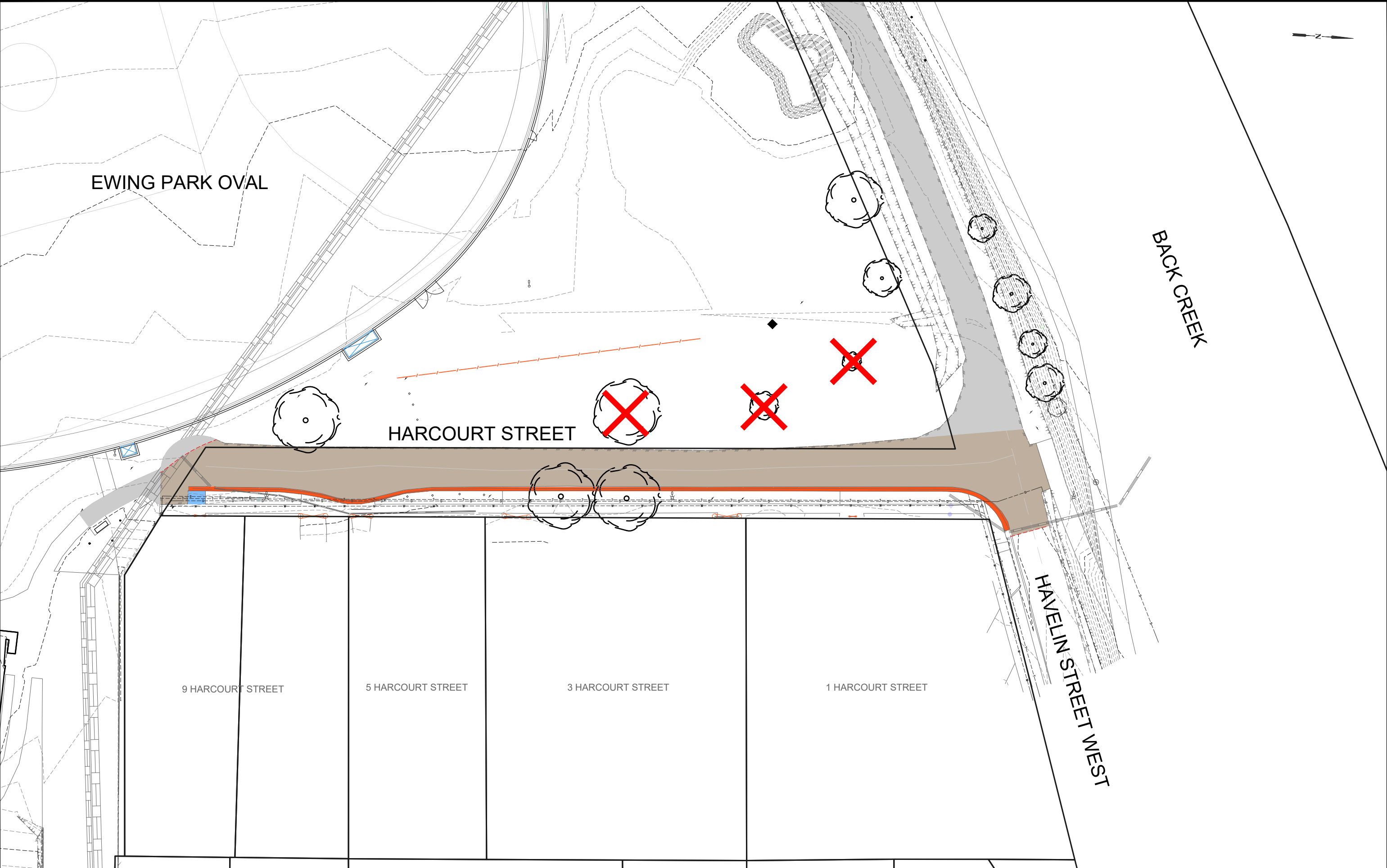
EWING PARK  
BENDIGO  
CARPARK CONSTRUCTION









GENERAL NOTES

Survey	SPIIRE	08/08/18
Design	B. JANSSEN	02/06/21
Checked	A. SMITH	XX/XX/XX
Approved by	N. SARTORI	XX/XX/XX
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Sheet: 2 OF 9	Reference: GB4379B	


PRELIMINARY DESIGN  
DRAFT 3

Plot Date: 31/05/2021  
Plotted By: BAYLEY JANSSEN



LEGEND			
	Removal: Seal		Removal: Sawcut
	Removal: Kerb		Removal: Pipe
	Removal: Concrete		Removal: Log Fence
	Removal: Tree		Existing Materials removed as a part of GB4379A

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CITY OF GREATER BENDIGO

EWING PARK  
BENDIGO  
CARPARK CONSTRUCTION

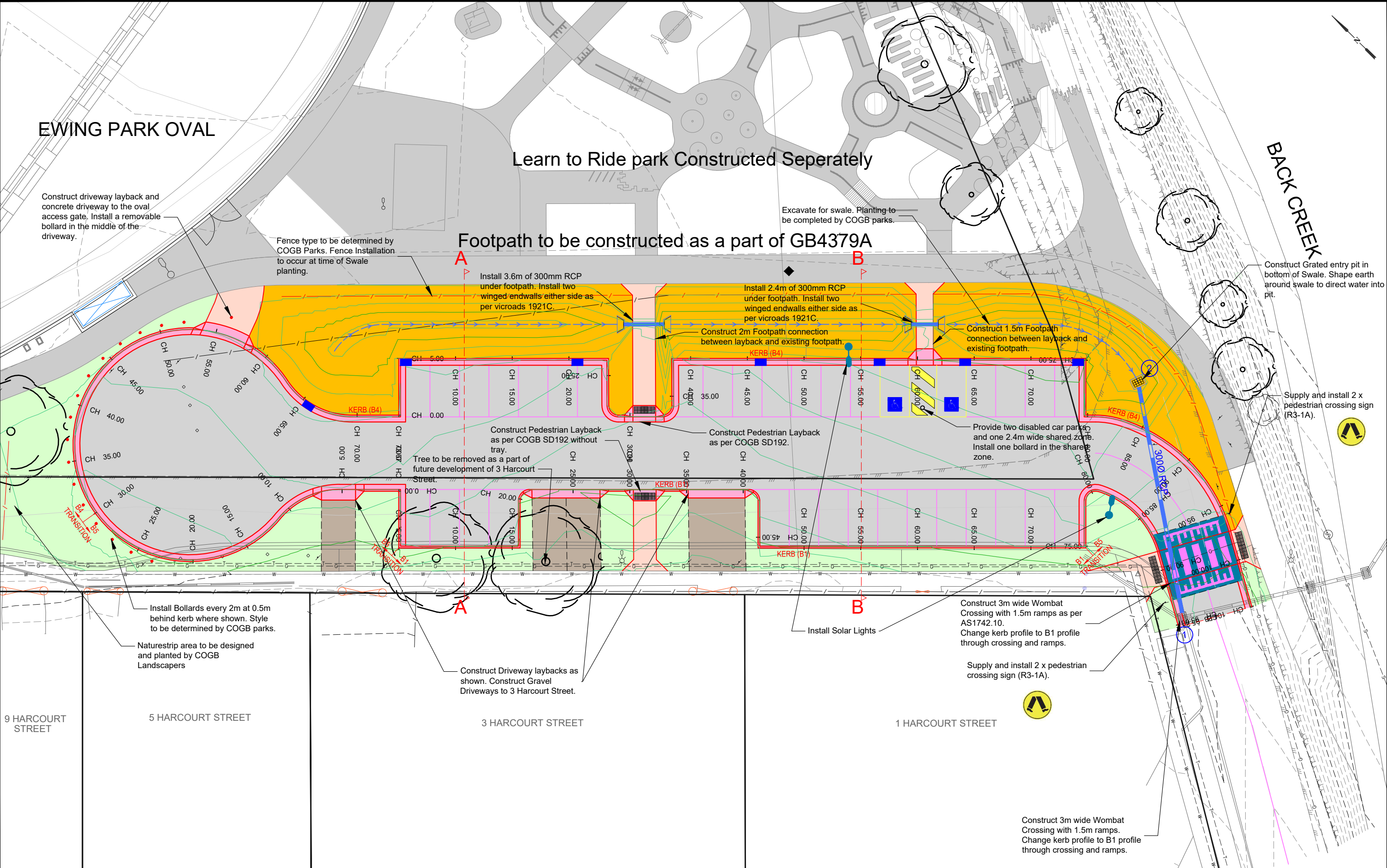
DEMOLITION PLAN

Survey	SPIRE	08/08/18
Design	B. JANSSEN	02/06/21
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PRELIMINARY DESIGN  
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Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210, Concrete Kerb: - IDM SD100, COGB SD190 - See Page 2 for B5 Kerb Landscape: COGB parks to determine Landscape treatment

Road Pavement: 100mm CL3 FCR, 160mm CL1 FCR, 40mm Asphalt Wombat Crossing - Full Depth Asphalt (100mm) Works to be completed in GB4379A

Swale: COGB parks to determine planting and materials Gravel Driveway Kerb Depression Location

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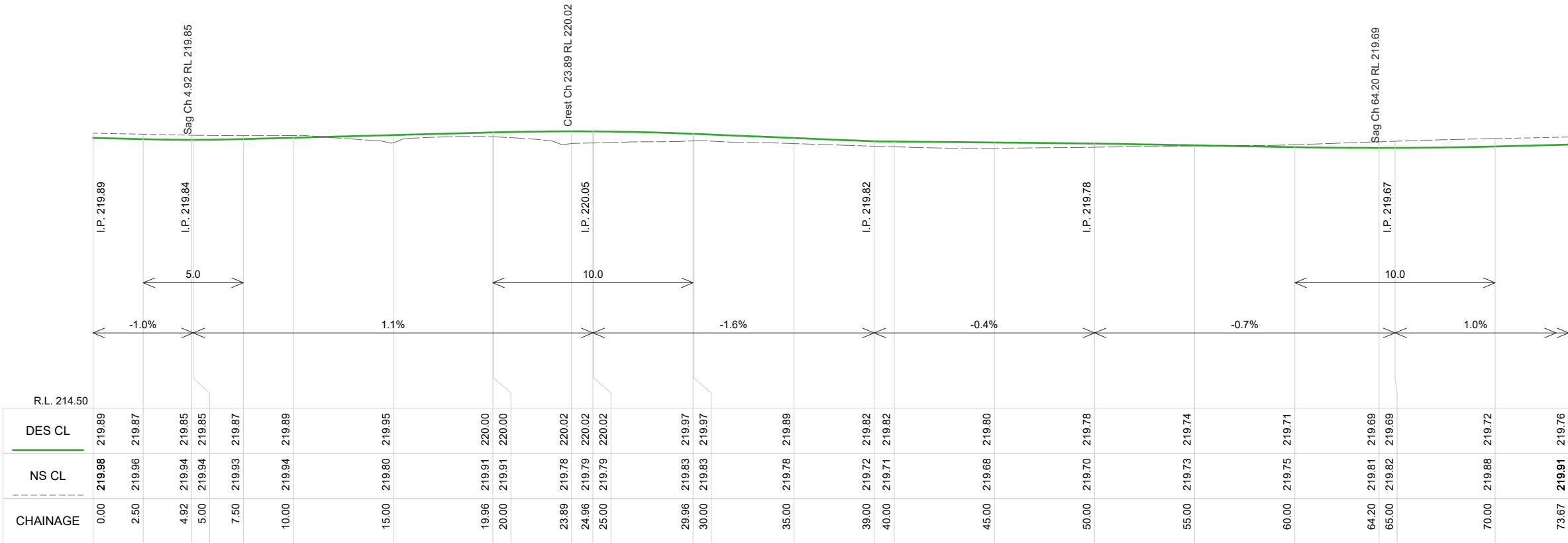


EWING PARK  
BENDIGO  
CARPARK CONSTRUCTION  
PLAN VIEW

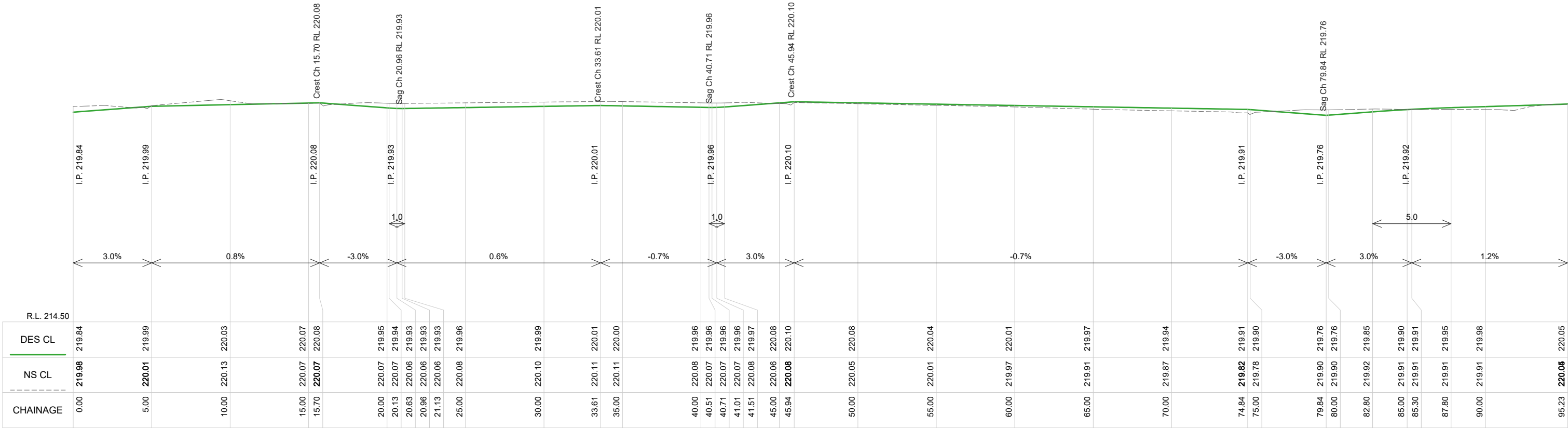
Survey	SPIRE	08/08/18
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BACK OF KERB (CUL-DE-SAC) LONGITUDINAL SECTION CH 0.000 To 73.670  
SCALES: H 1:250 V 1:100 (A3)



BACK OF KERB (SOUTH) LONGITUDINAL SECTION CH 0.000 To 95.228  
SCALES: H 1:250 V 1:100 (A3)

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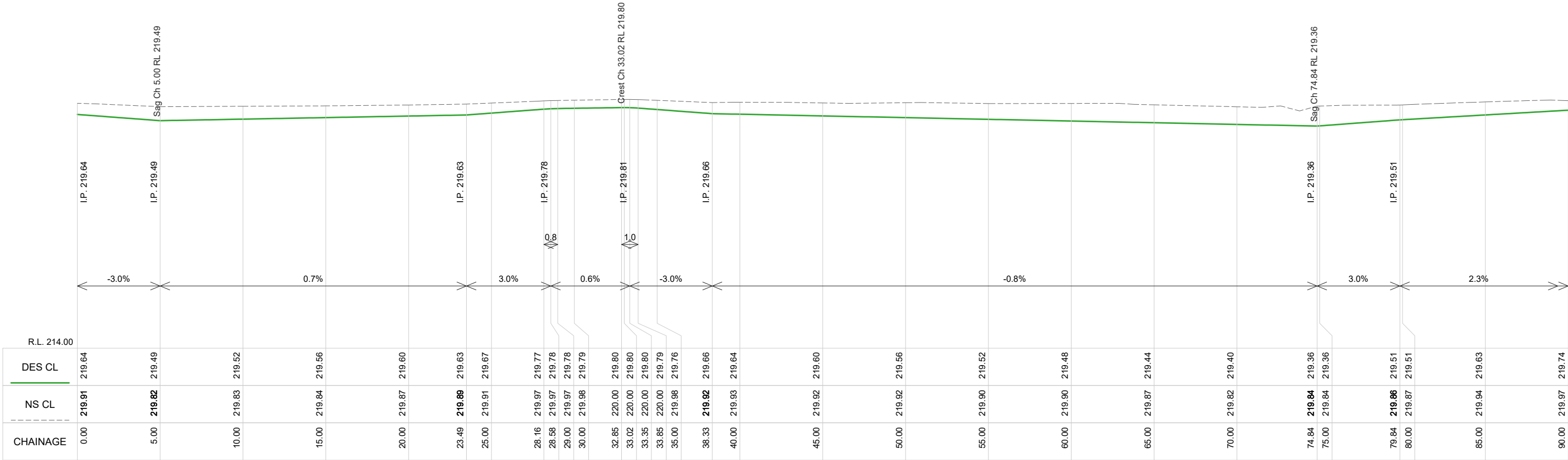
EWING PARK  
BENDIGO  
CARPARK CONSTRUCTION

KERB LONG SECTIONS


Survey	SPIIRE	08/08/18
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PRELIMINARY DESIGN  
DRAFT 3

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KERB LONG SECTIONS

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CITY OF GREATER BENDIGO

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