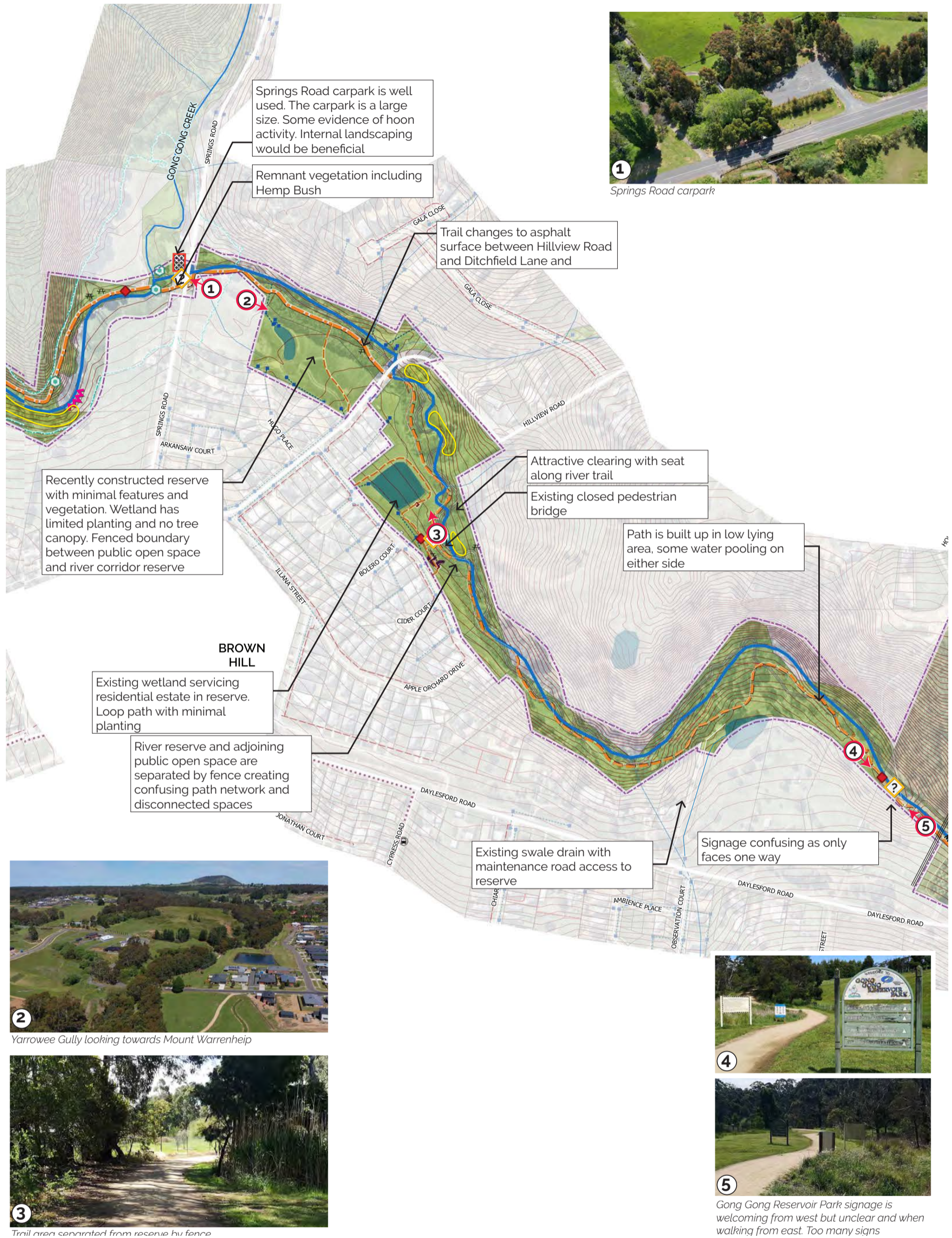


**Yarrowee River North**  
Analysis Plan

Scale 1:5000 at A3

**YN1**  
Yarrowee River



**Yarrowee River North**  
Analysis Plan

Scale 1:5000 at A3





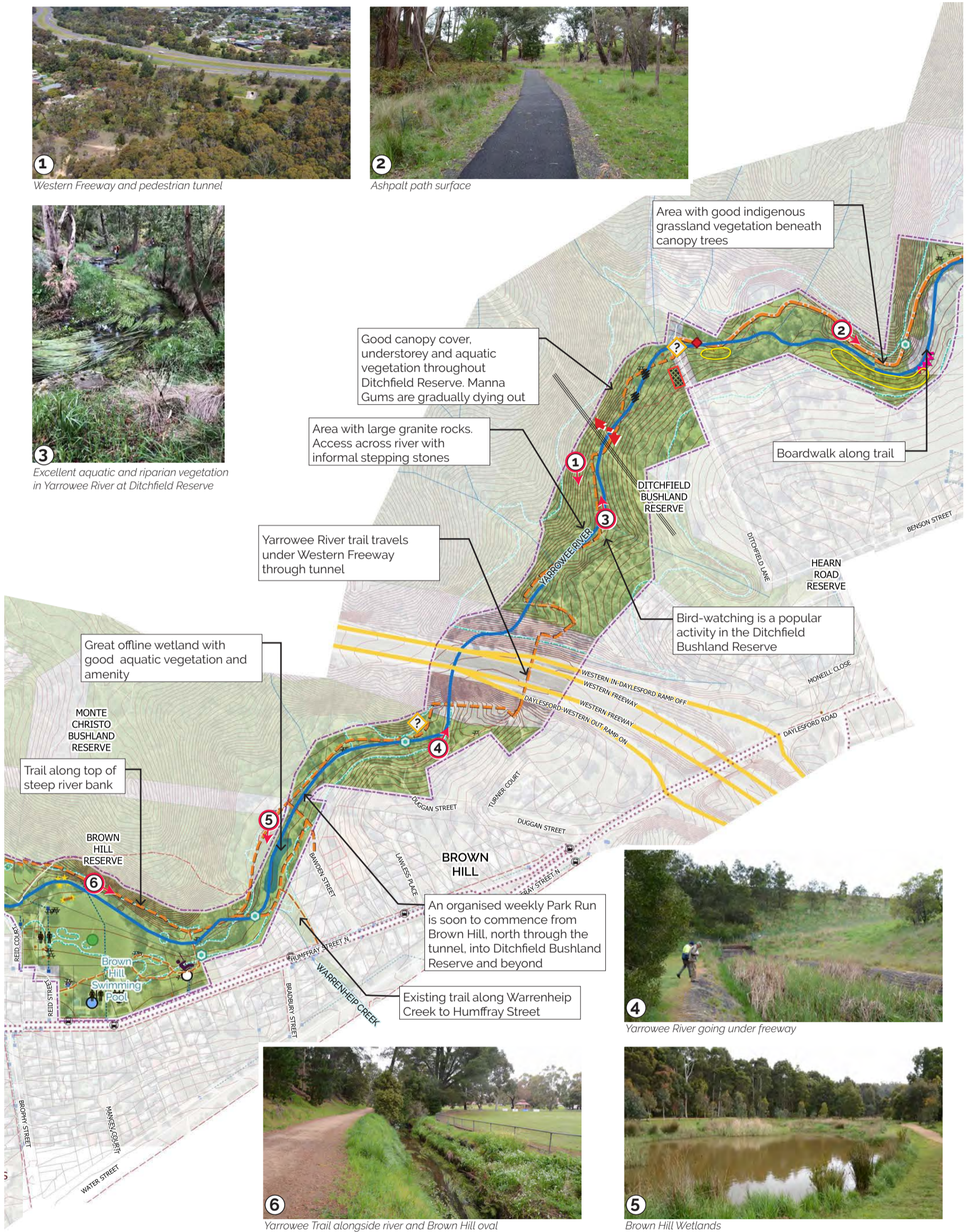
**1** Western Freeway and pedestrian tunnel



**2** Asphalt path surface



**3** Excellent aquatic and riparian vegetation in Yarrowee River at Ditchfield Reserve



**4** Yarrowee River going under freeway



**6** Yarrowee Trail alongside river and Brown Hill oval



**5** Brown Hill Wetlands

**Yarrowee River North**  
Analysis Plan

Scale 1:5000 at A3



1 Little Bendigo Creek confluence



Granitic sand path



3 Steep section of trail



3 Nerrina wetlands



3 Nerrina wetlands

**Yarrowee River North**  
Analysis Plan



Scale 1:5000 at A3





1 Newman Street bridge



2 Black Hill Reserve Mountain Bike Park map



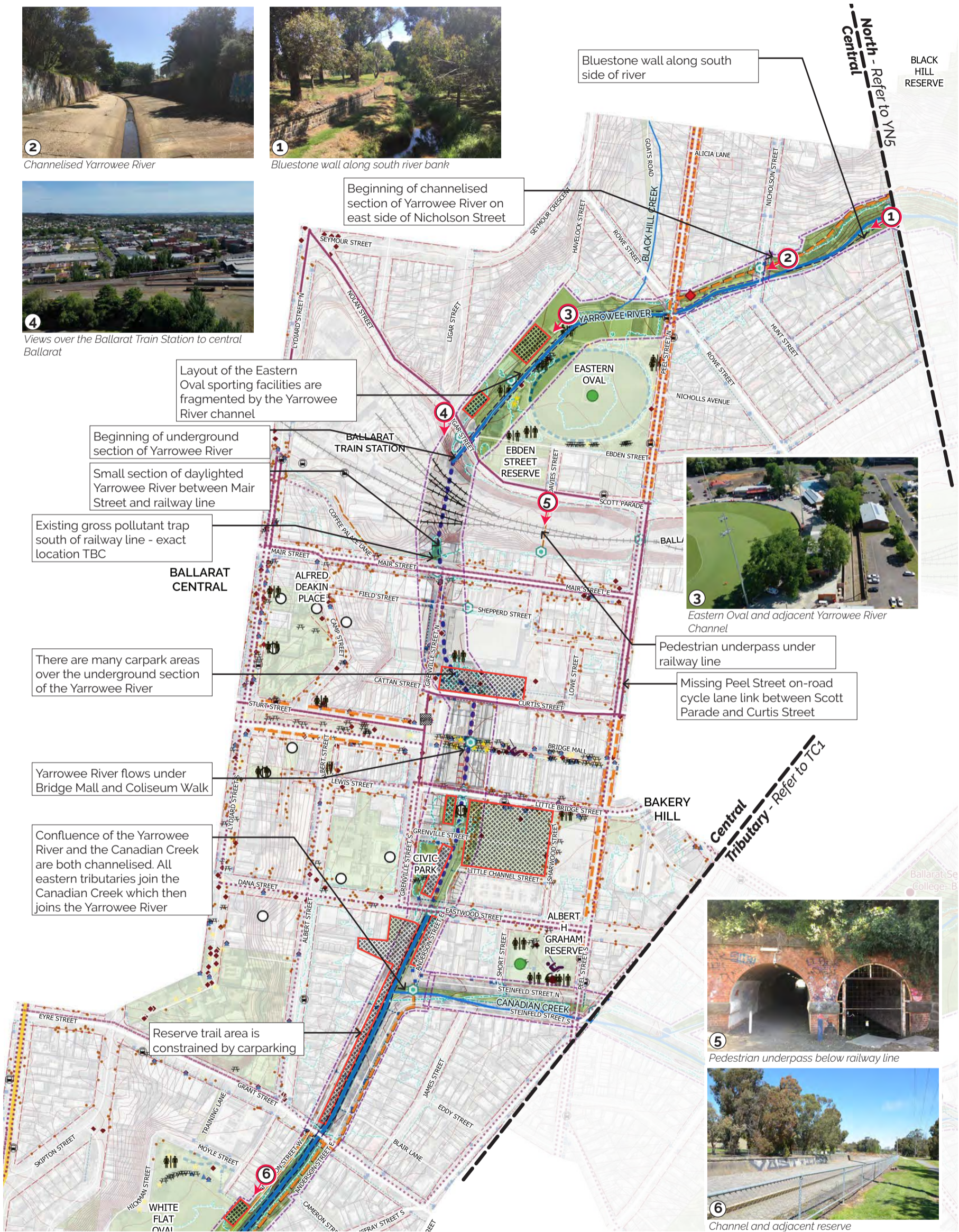
4 Eroded bank alongside trail



3 Yarrowee River and adjacent reserve land and trails

**Yarrowee River North**  
Analysis Plan

Scale 1:5000 at A3



**Yarrowee River Central**  
Analysis Plan



Scale 1:5000 at A3





1 Channel and adjacent carpark



2 Transparent rear fence enhances the river corridor experience



3 Views from path to Ballarat Mill



4 Hill Street Bridge over channel

**Yarrowee River Central**  
Analysis Plan

Scale 1:5000 at A3





1 End of channel and central Yarrowee River



Historic photo of the Yarrowee River channel, Sunnyside Mill and the Market Gardens



2 Edge of volcanic flow basalt rock escarpment



3 Redan wetlands

**Yarrowee River South**  
Analysis Plan



Scale 1:5000 at A3







1 Yarrowee River and vegetation looking upstream from Yuille Wetlands



2 Yuille Wetlands

Bird-watching is a popular activity at the Yuille Wetlands



3 Above ground pipe over the river and pine plantation, looking downstream

Yarrowee River South  
Analysis Plan



Scale 1:5000 at A3

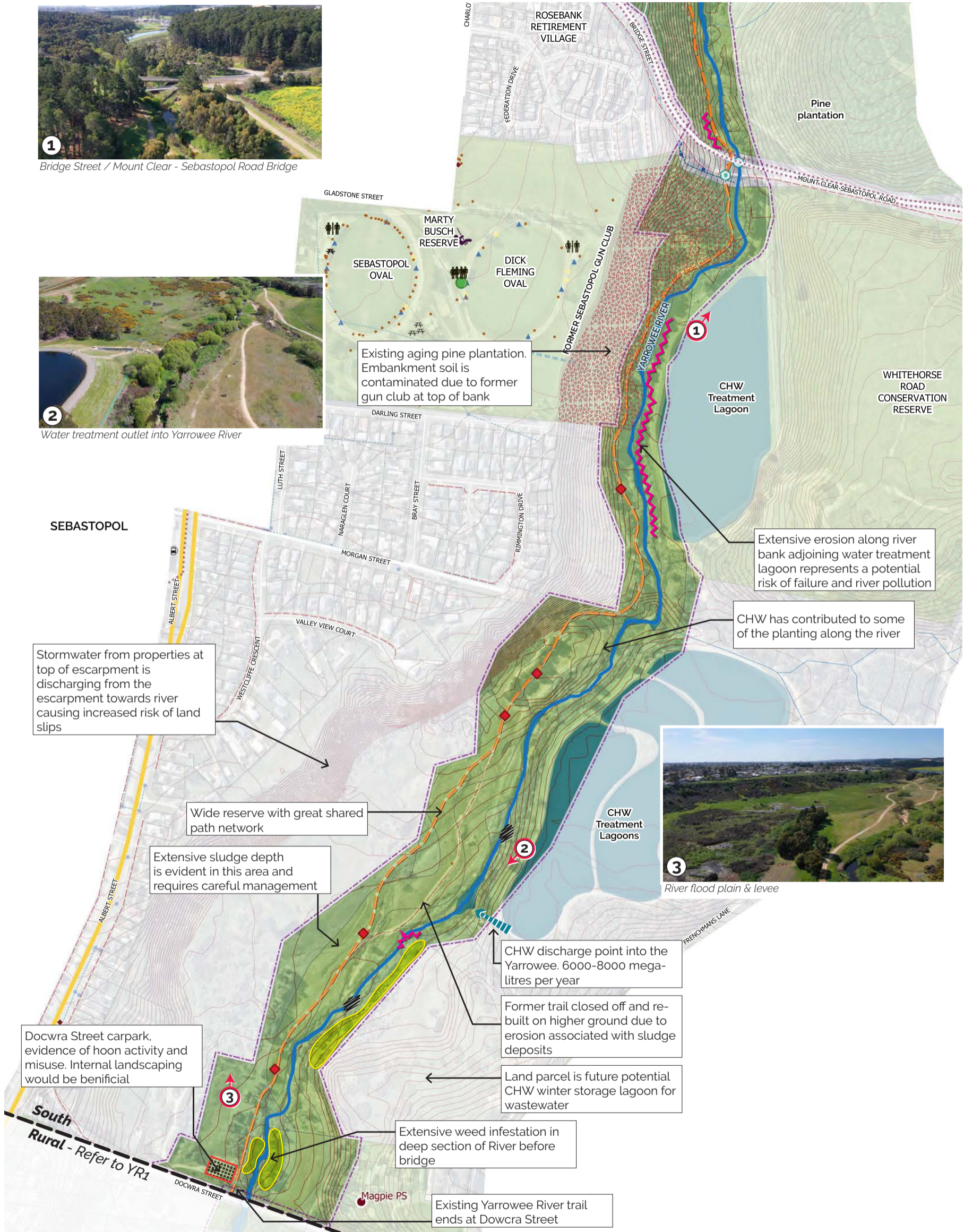




1 Bridge Street / Mount Clear - Sebastopol Road Bridge



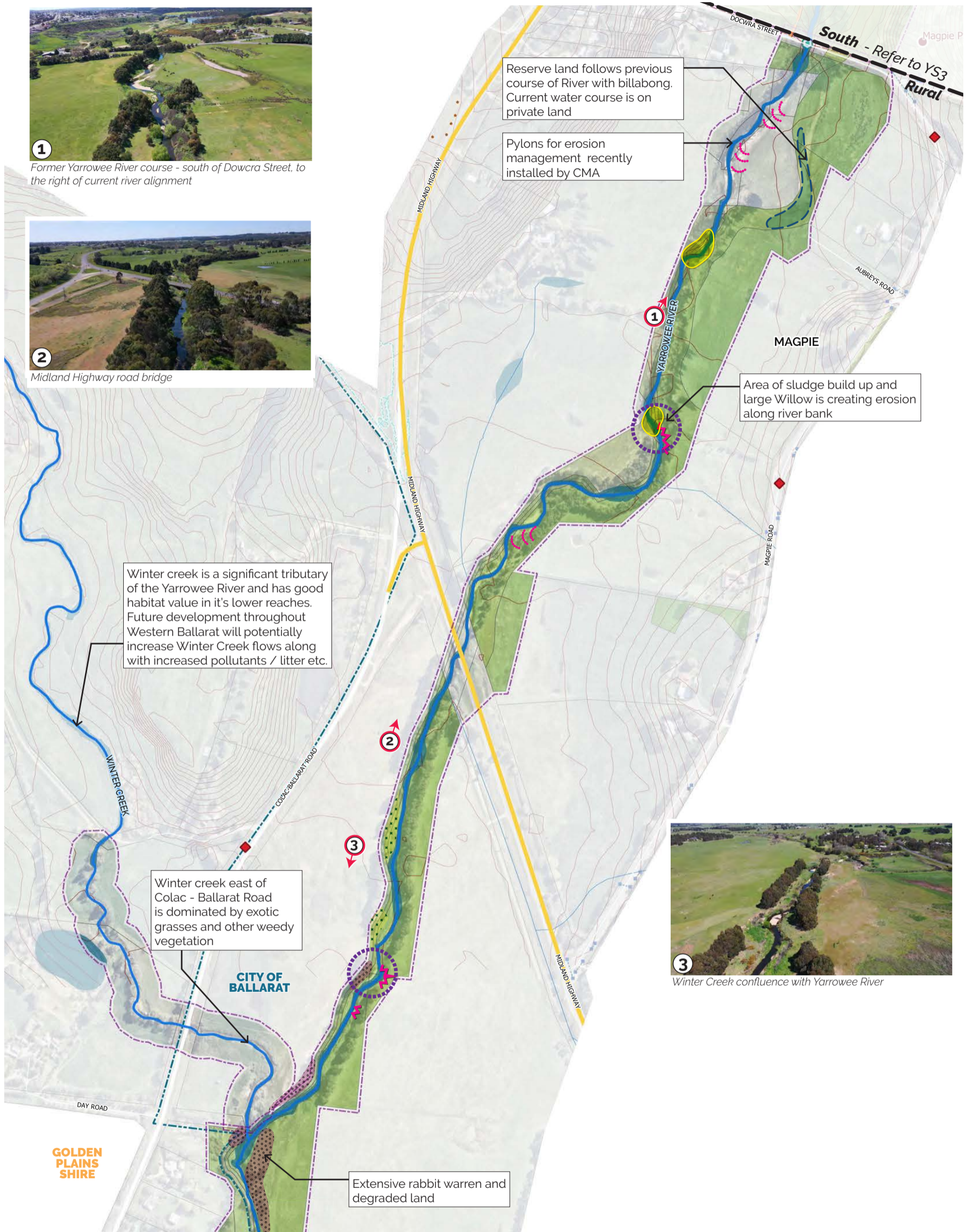
2 Water treatment outlet into Yarrowee River



**Yarrowee River South**  
Analysis Plan

Scale 1:5000 at A3





**Yarrowee River Rural**  
Analysis Plan

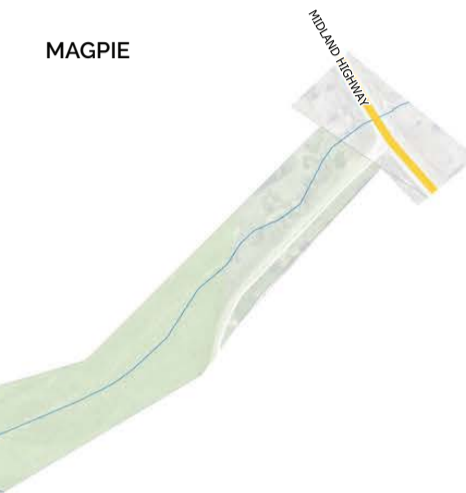


Scale 1:5000 at A3





Tommy's Lane - large public lane reserve area



Yarrowee River & minor tributary



Existing damaged bridge at Glassons Road



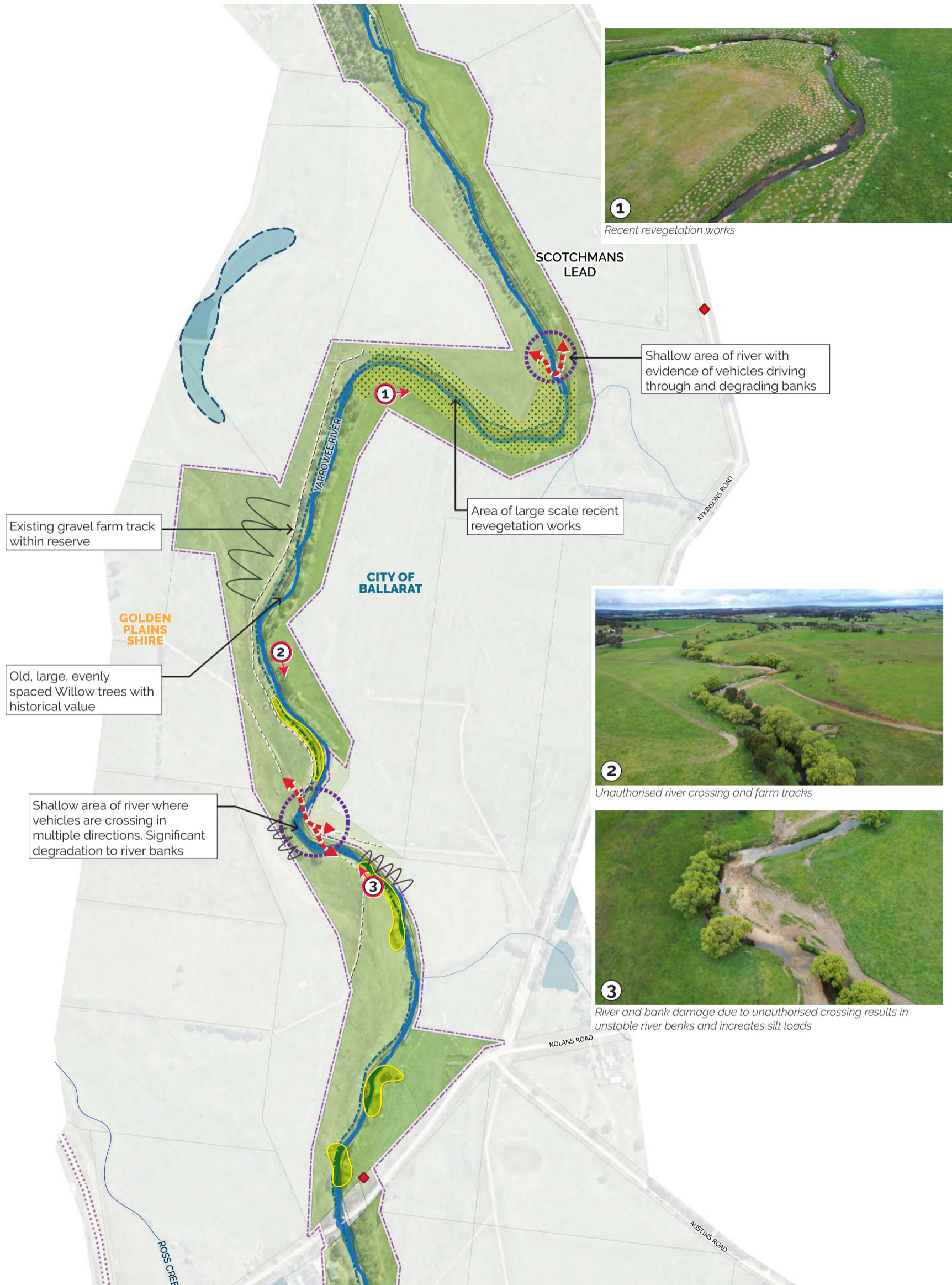
Area of revegetation - Glassons Road

**Yarrowee River Rural**  
Analysis Plan



Scale 1:5000 at A3



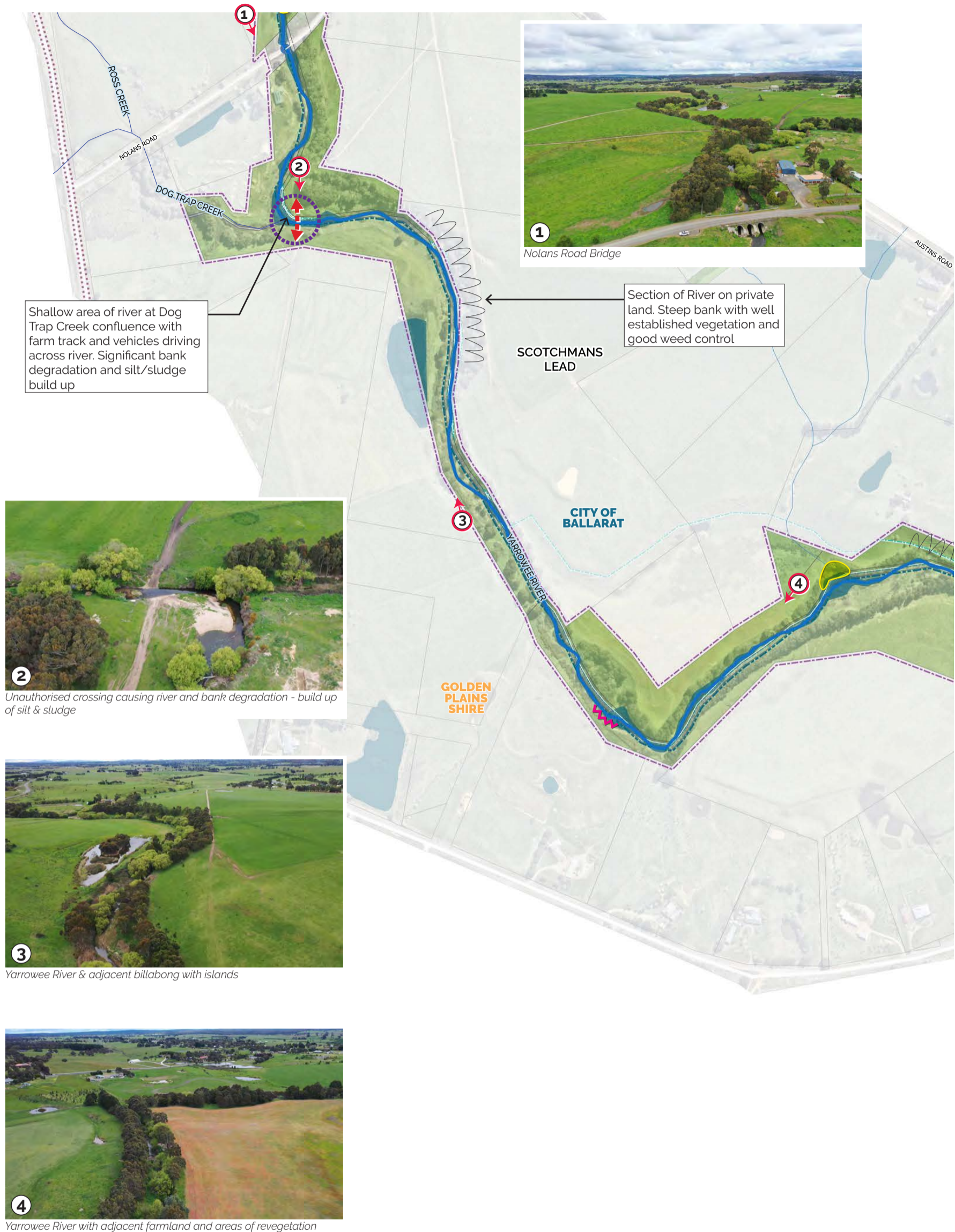


**Yarrowee River Rural**  
Analysis Plan



Scale 1:5000 at A3



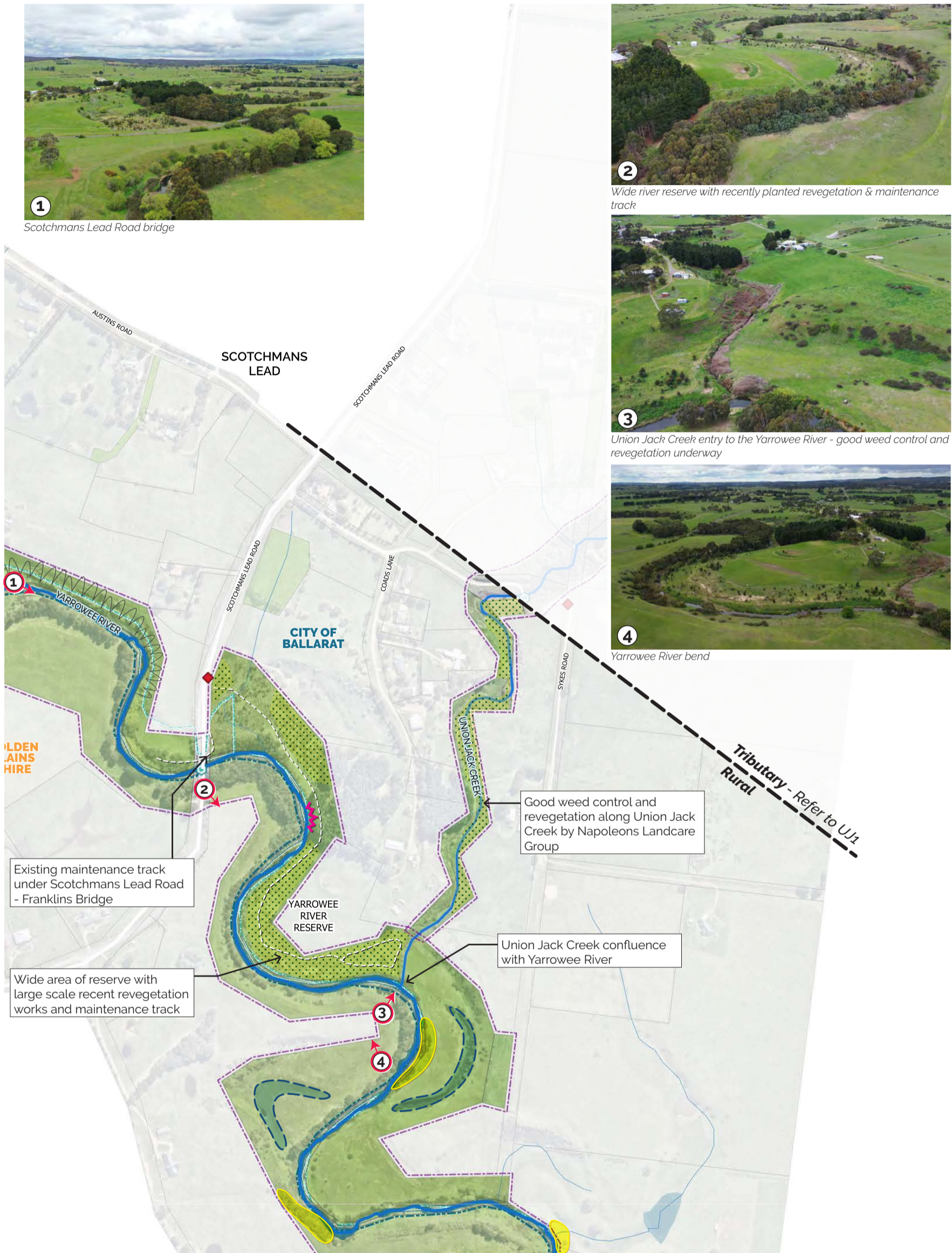


**Yarrowee River Rural**  
Analysis Plan



Scale 1:5000 at A3





1 Scotchmans Lead Road bridge



2 Wide river reserve with recently planted revegetation & maintenance track



3 Union Jack Creek entry to the Yarrowee River - good weed control and revegetation underway



4 Yarrowee River bend

GOLDEN PLAINS SHIRE

Existing maintenance track under Scotchmans Lead Road - Franklins Bridge

Wide area of reserve with large scale recent revegetation works and maintenance track

Good weed control and revegetation along Union Jack Creek by Napoleons Landcare Group

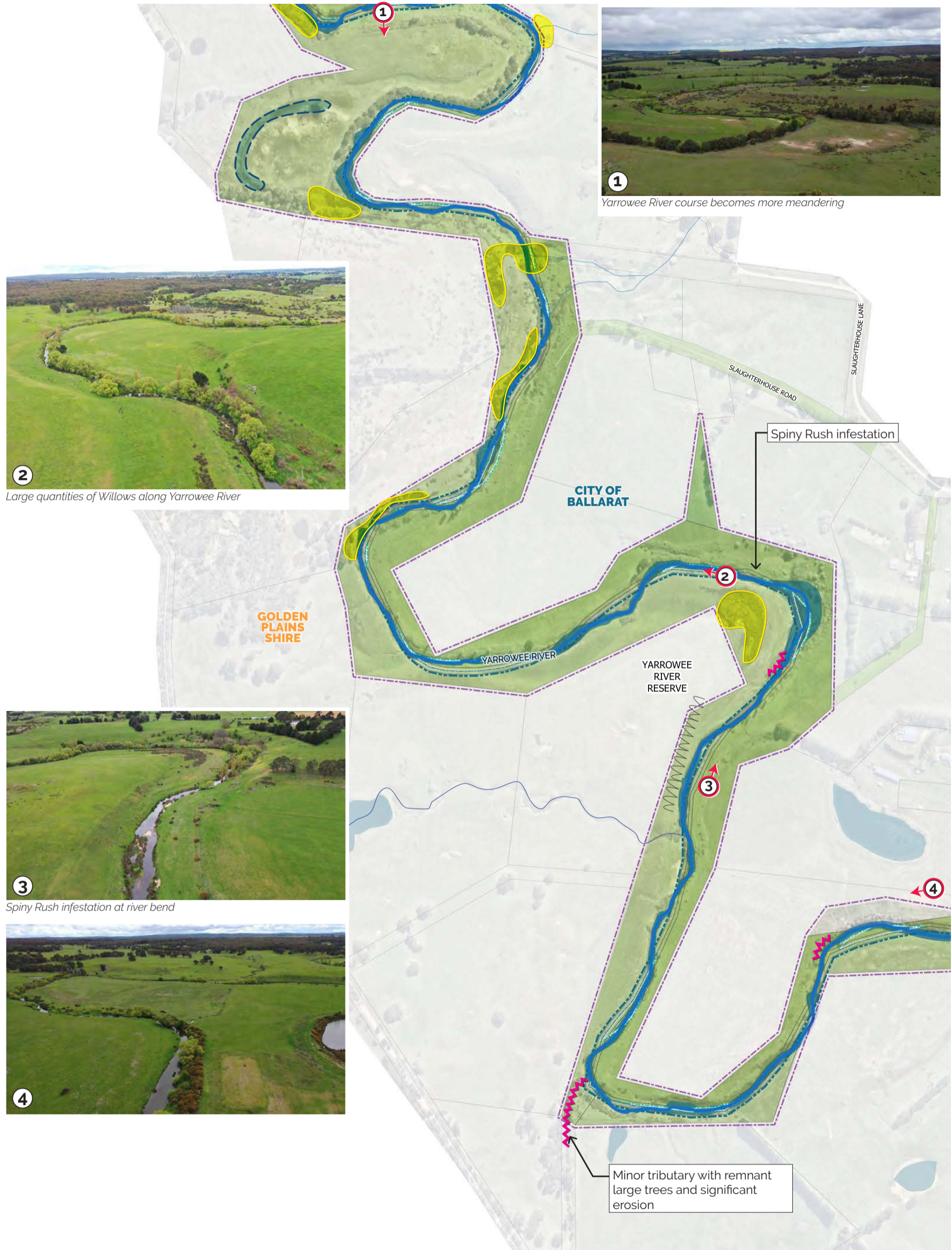
Union Jack Creek confluence with Yarrowee River

Tributary - Refer to UJ1 Rural

Yarrowee River Rural Analysis Plan

Scale 1:5000 at A3





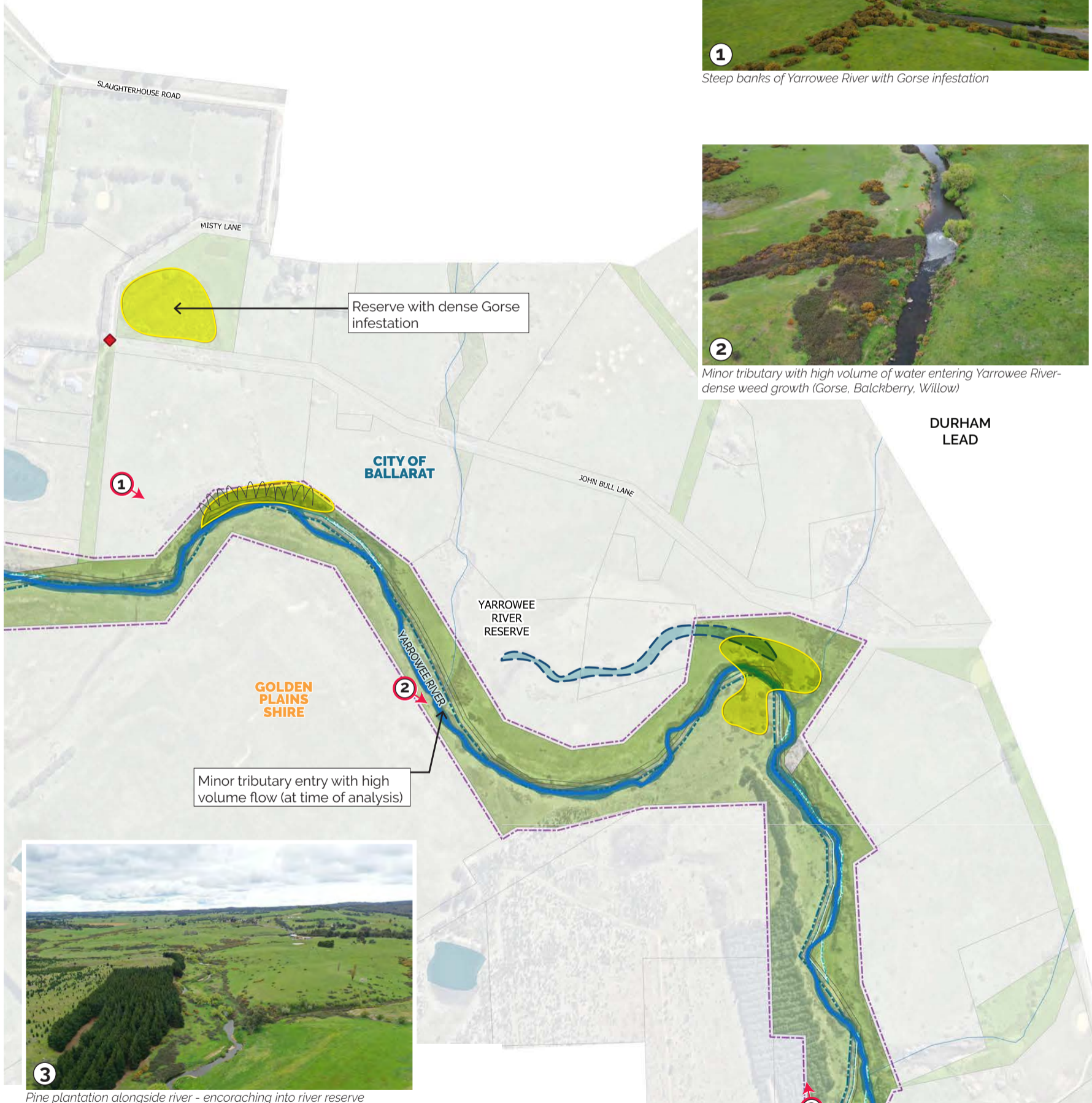
**Yarrowee River Rural**  
Analysis Plan



Scale 1:5000 at A3



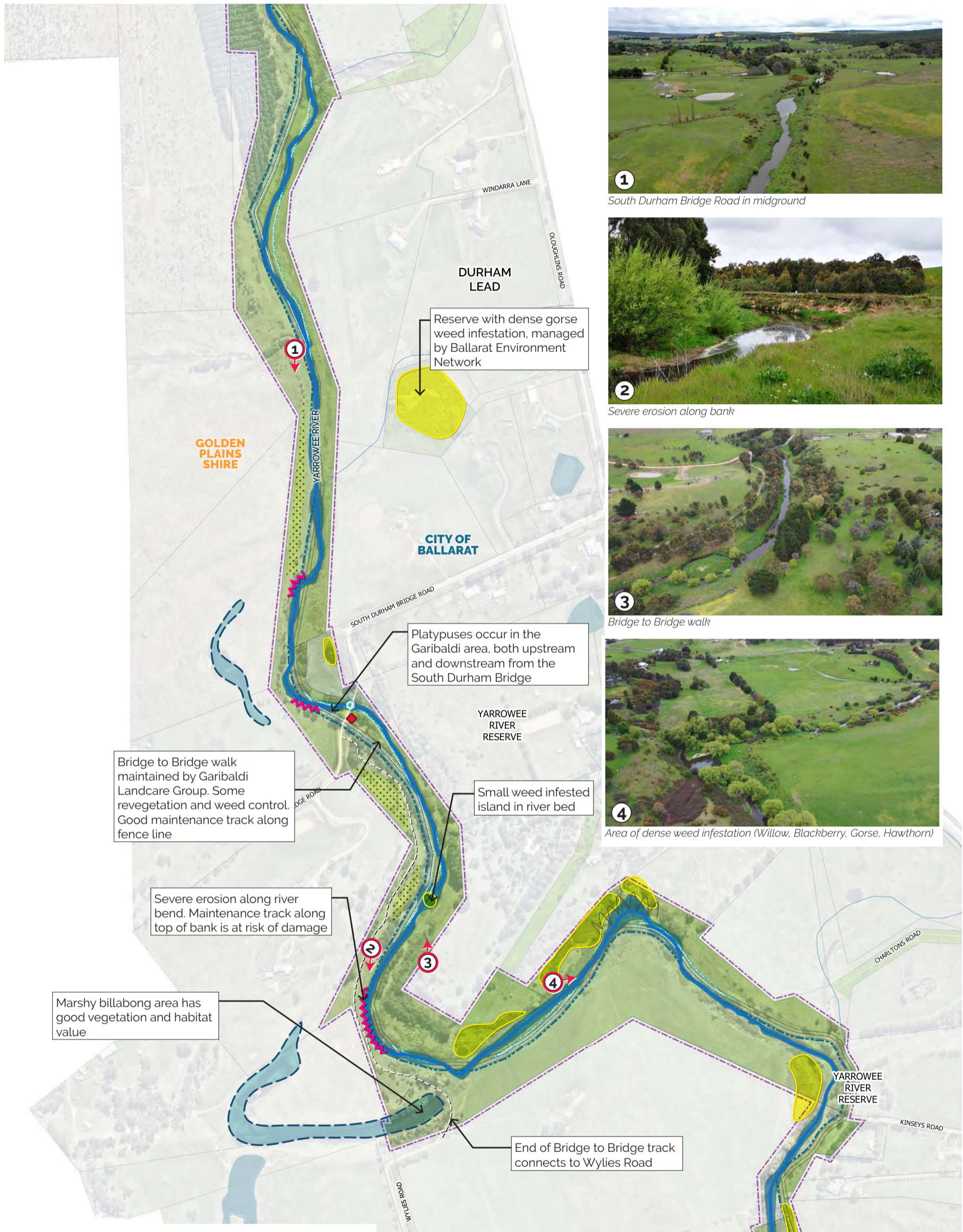




**Yarrowee River Rural**  
Analysis Plan

Scale 1:5000 at A3





1 South Durham Bridge Road in midground



2 Severe erosion along bank



3 Bridge to Bridge walk



4 Area of dense weed infestation (Willow, Blackberry, Gorse, Hawthorn)

**Yarrowee River Rural**  
Analysis Plan



Scale 1:5000 at A3





Large pool within River



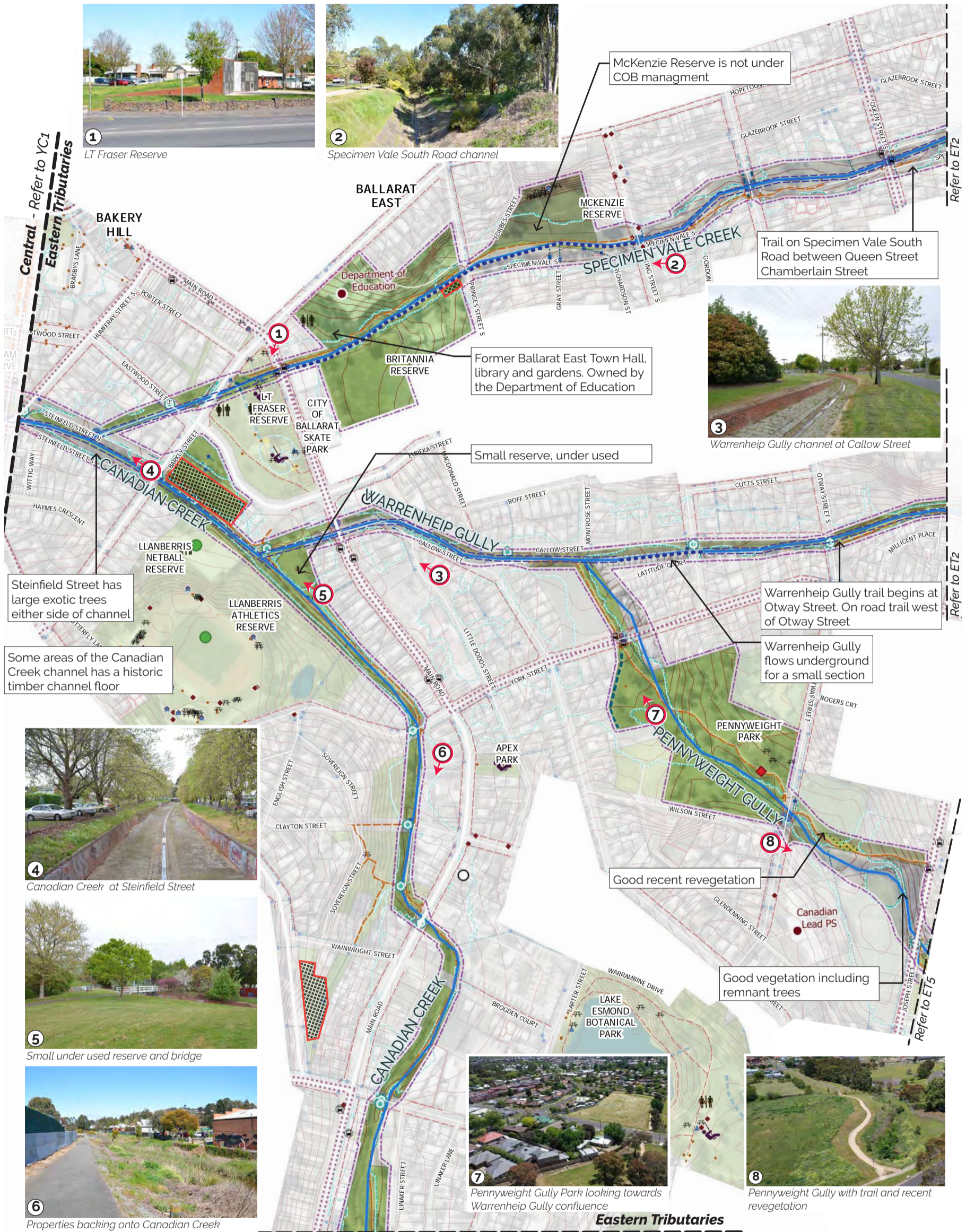
Buninyong - Mount Mercer Road old & new bridges crossing Yarrowee River- edge of COB boundary

### Yarrowee River Rural Analysis Plan



Scale 1:5000 at A3





**Eastern Tributaries**  
 Canadian Creek, Specimen Vale Creek, Warrenheip Gully & Pennyweight Gully  
 Analysis Plan  
 Scale 1:5000 at A3

**ET 1**  
 Yarrowee Tributaries



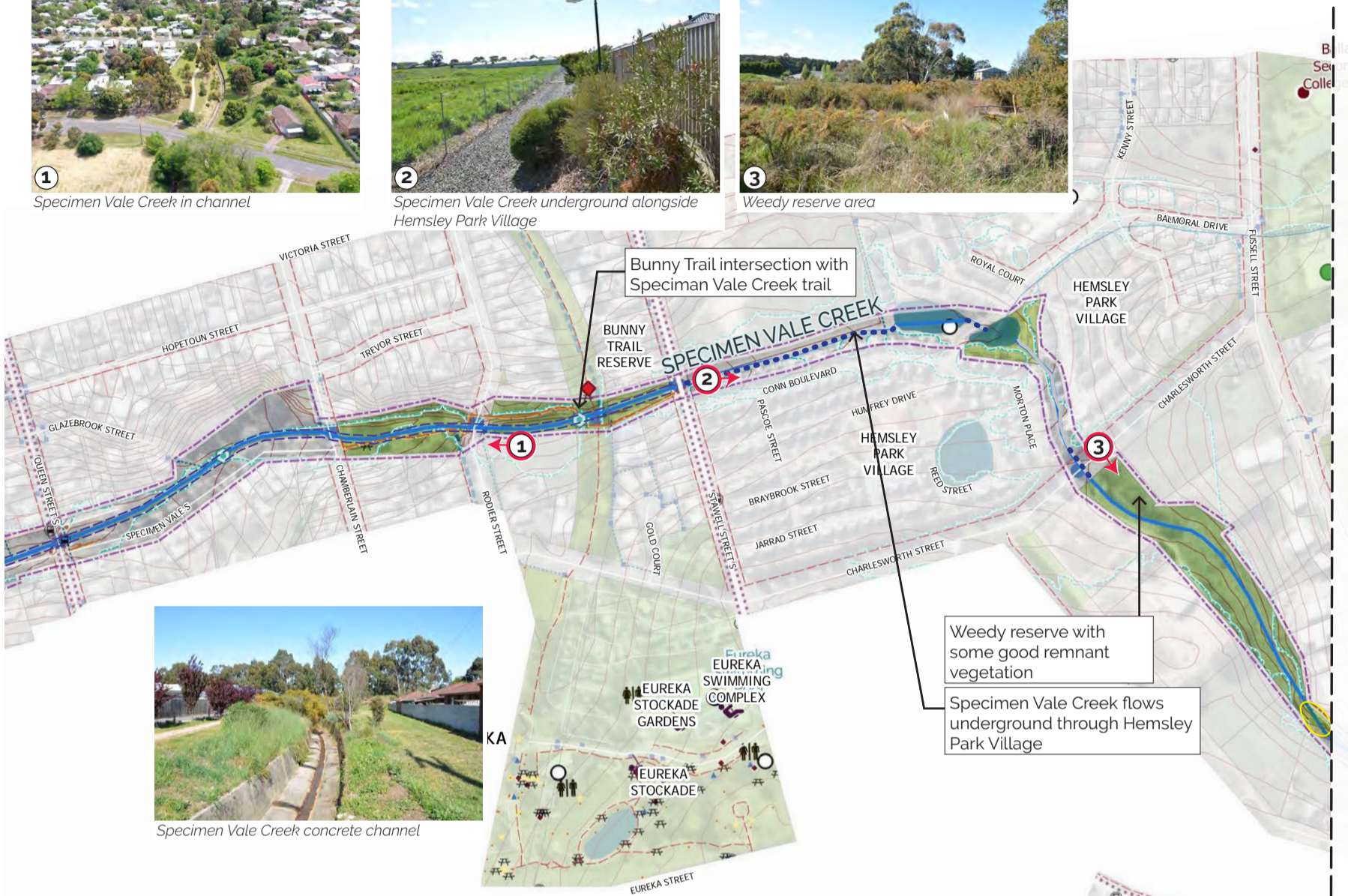
1 Specimen Vale Creek in channel



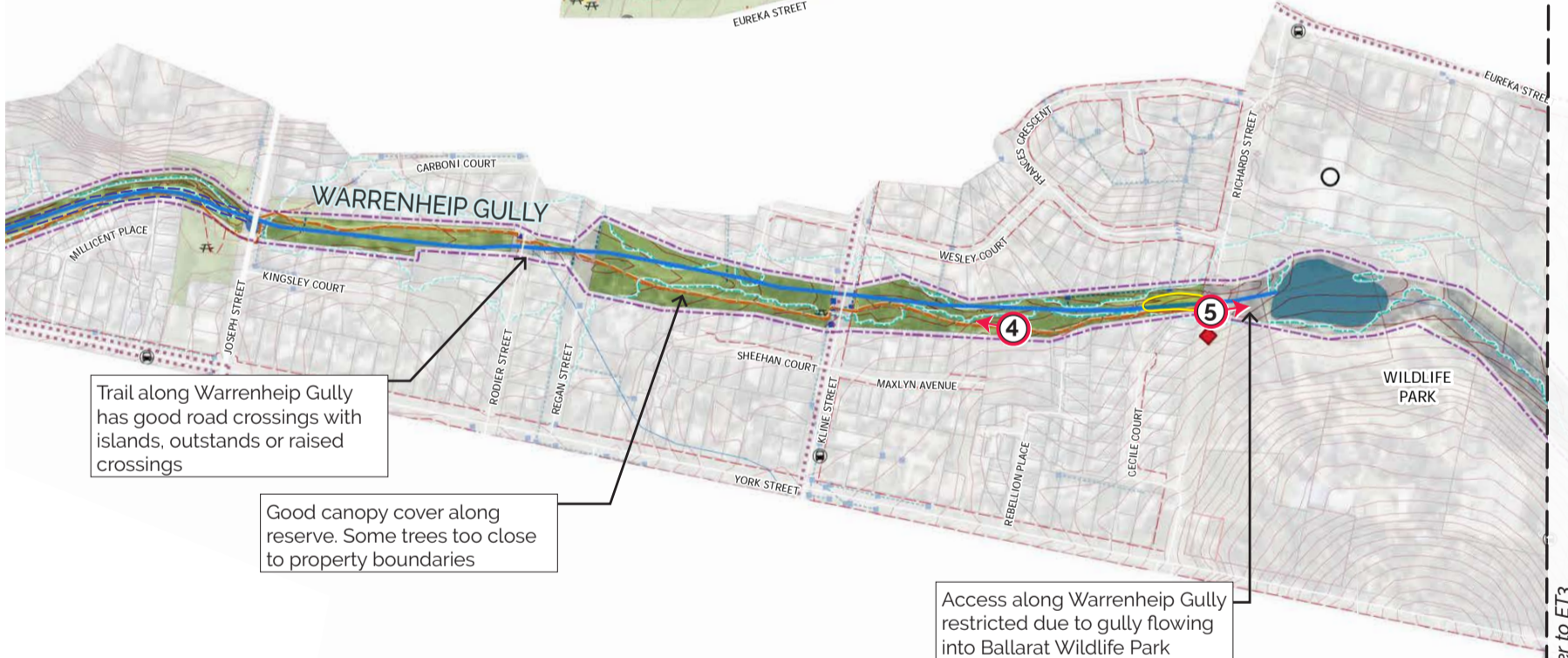
2 Specimen Vale Creek underground alongside Hemsley Park Village



3 Weedy reserve area



Specimen Vale Creek concrete channel



4 Warrenheip Gully in residential area

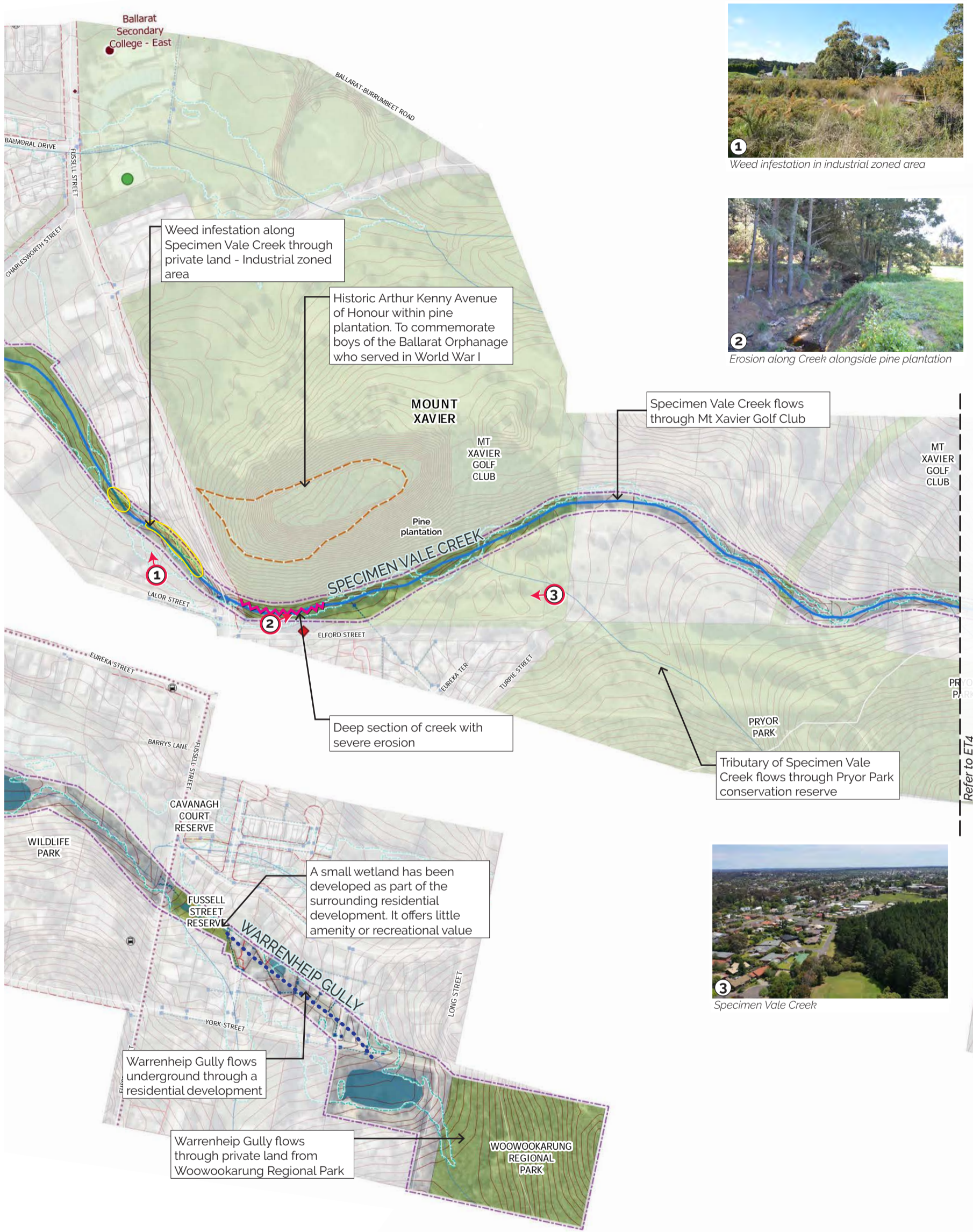


5 Warrenheip Gully dam in Ballarat Wildlife Park

Refer to ET3

**Eastern Tributaries**  
 Specimen Vale Creek & Warrenheip Gully  
 Analysis Plan  
 Scale 1:5000 at A3

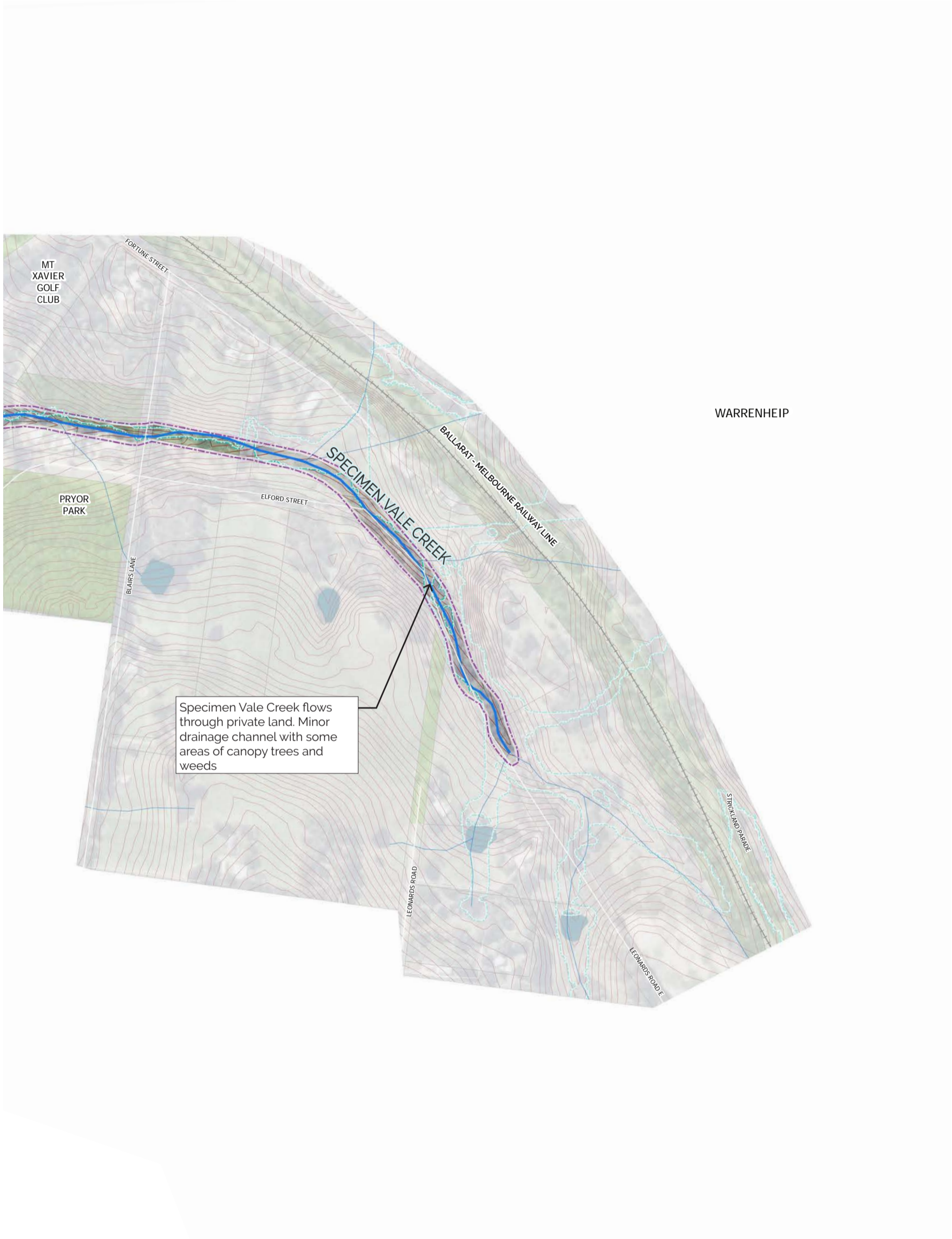
**ET 2**  
 Yarrowee Tributaries



**Eastern Tributaries**  
Specimen Vale Creek & Warrenheip Gully  
Analysis Plan

Scale 1:5000 at A3

**ET 3**  
Yarrowee Tributaries



### Eastern Tributaries

Specimen Vale Creek  
Analysis Plan

Scale 1:5000 at A3





1 Grasstree Creek



2 Grasstree Creek



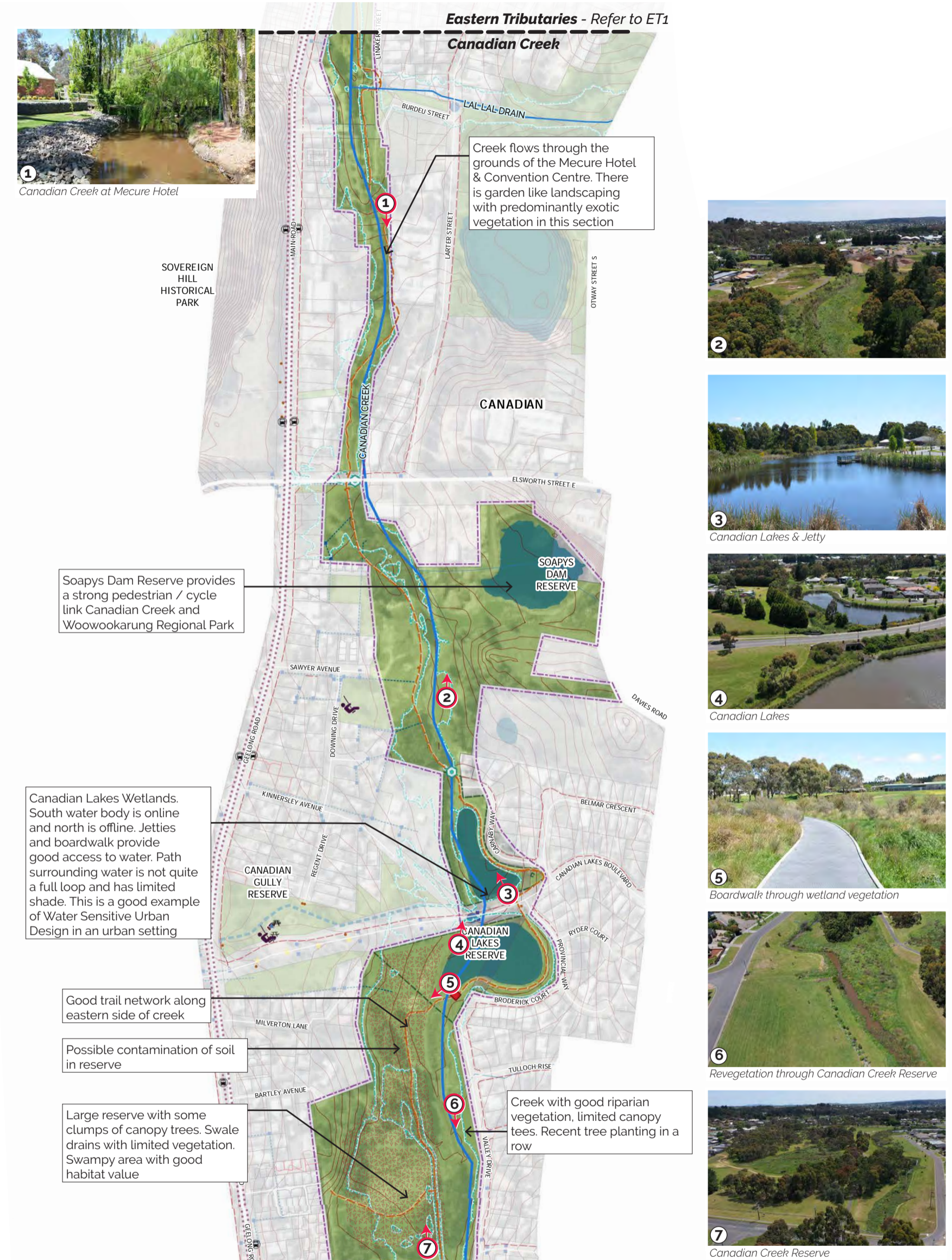


### Eastern Tributaries

Grasstree Creek  
Analysis Plan

Scale 1:5000 at A3

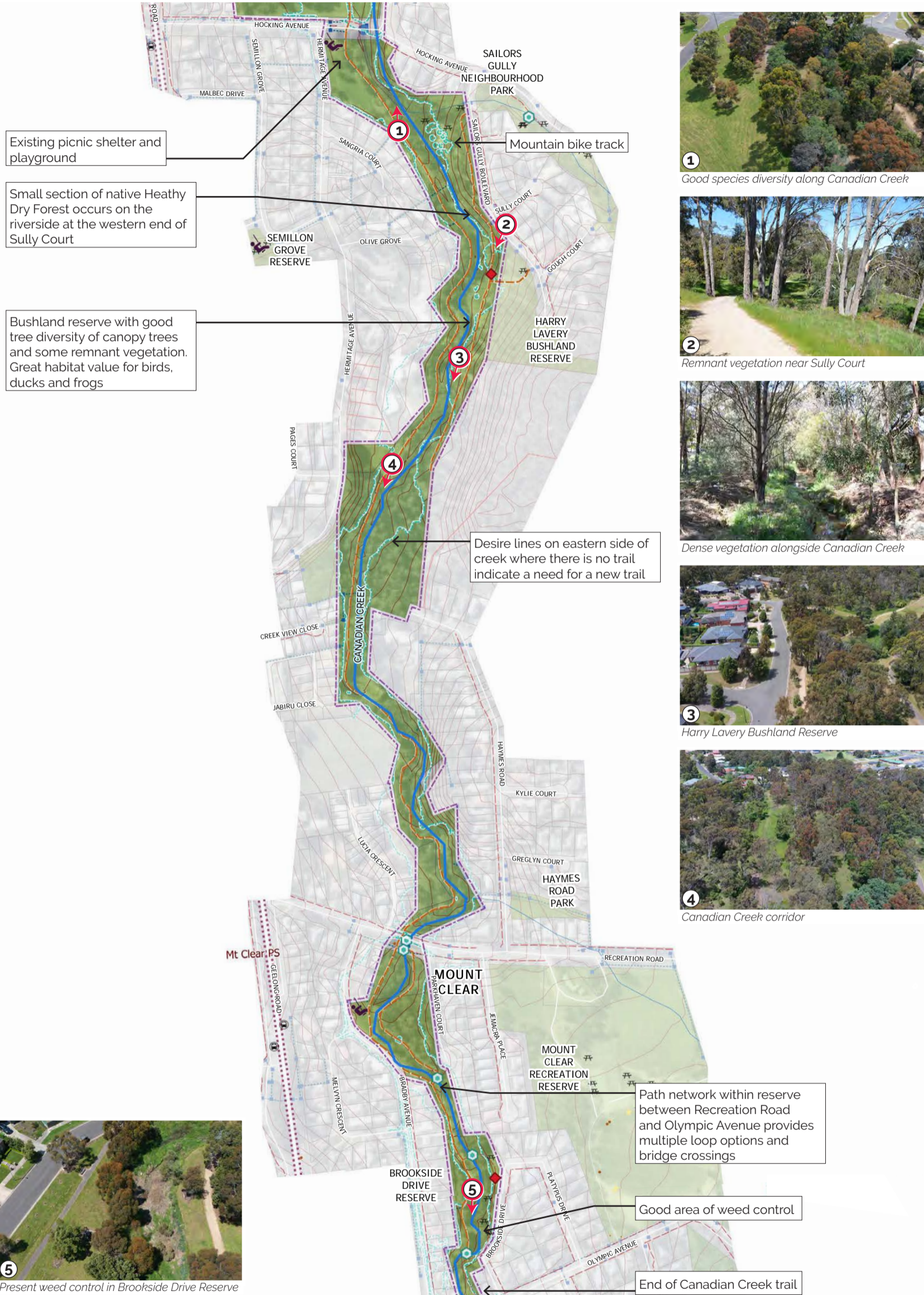




**Canadian Creek Analysis Plan**

Scale 1:5000 at A3

**CC 1**  
Yarrowee Tributaries



1 Good species diversity along Canadian Creek



2 Remnant vegetation near Sully Court



3 Dense vegetation alongside Canadian Creek



3 Harry Lavery Bushland Reserve



4 Canadian Creek corridor



5 Present weed control in Brookside Drive Reserve

Path network within reserve between Recreation Road and Olympic Avenue provides multiple loop options and bridge crossings

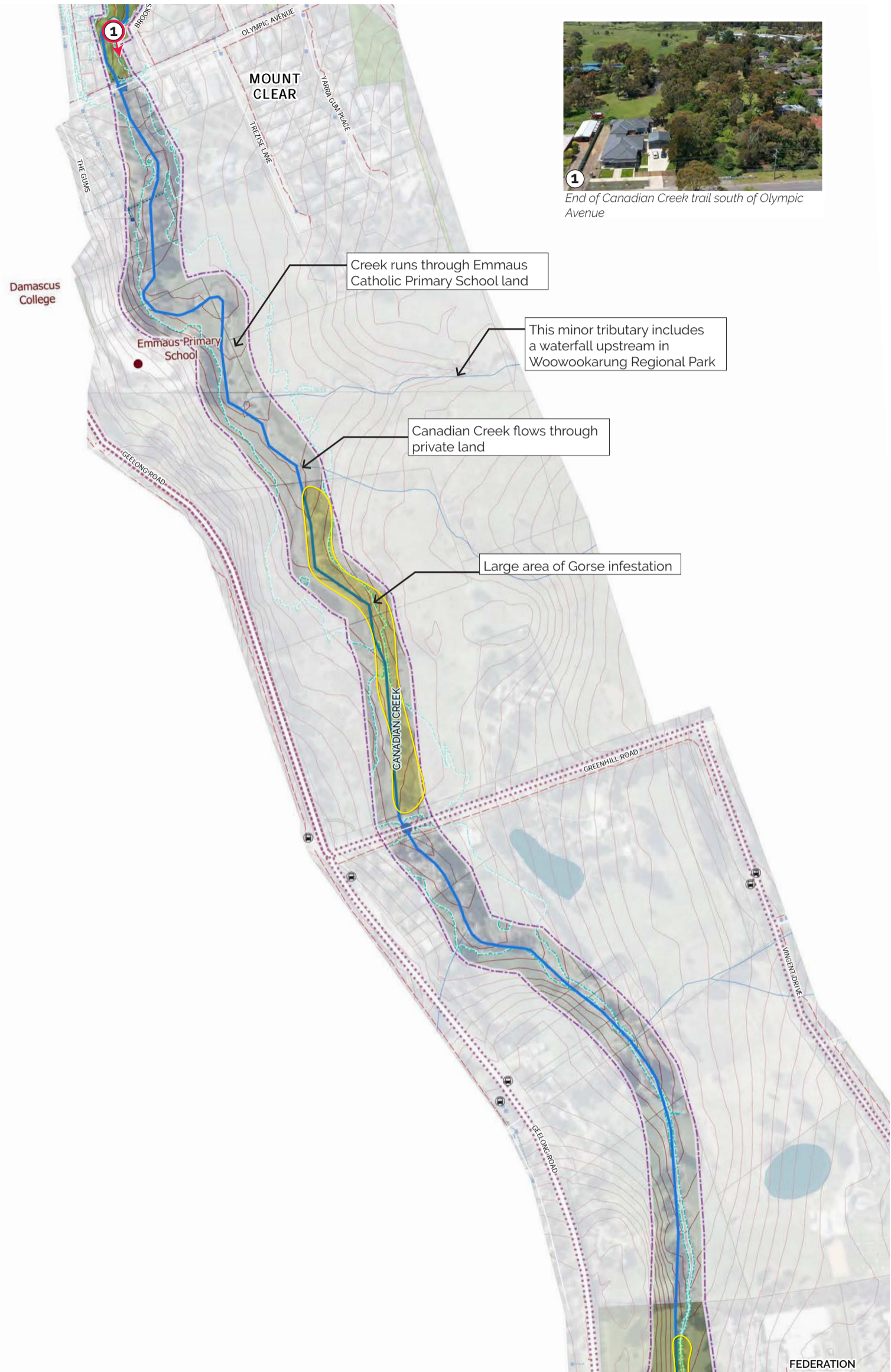
Good area of weed control

End of Canadian Creek trail

Canadian Creek Analysis Plan

Scale 1:5000 at A3



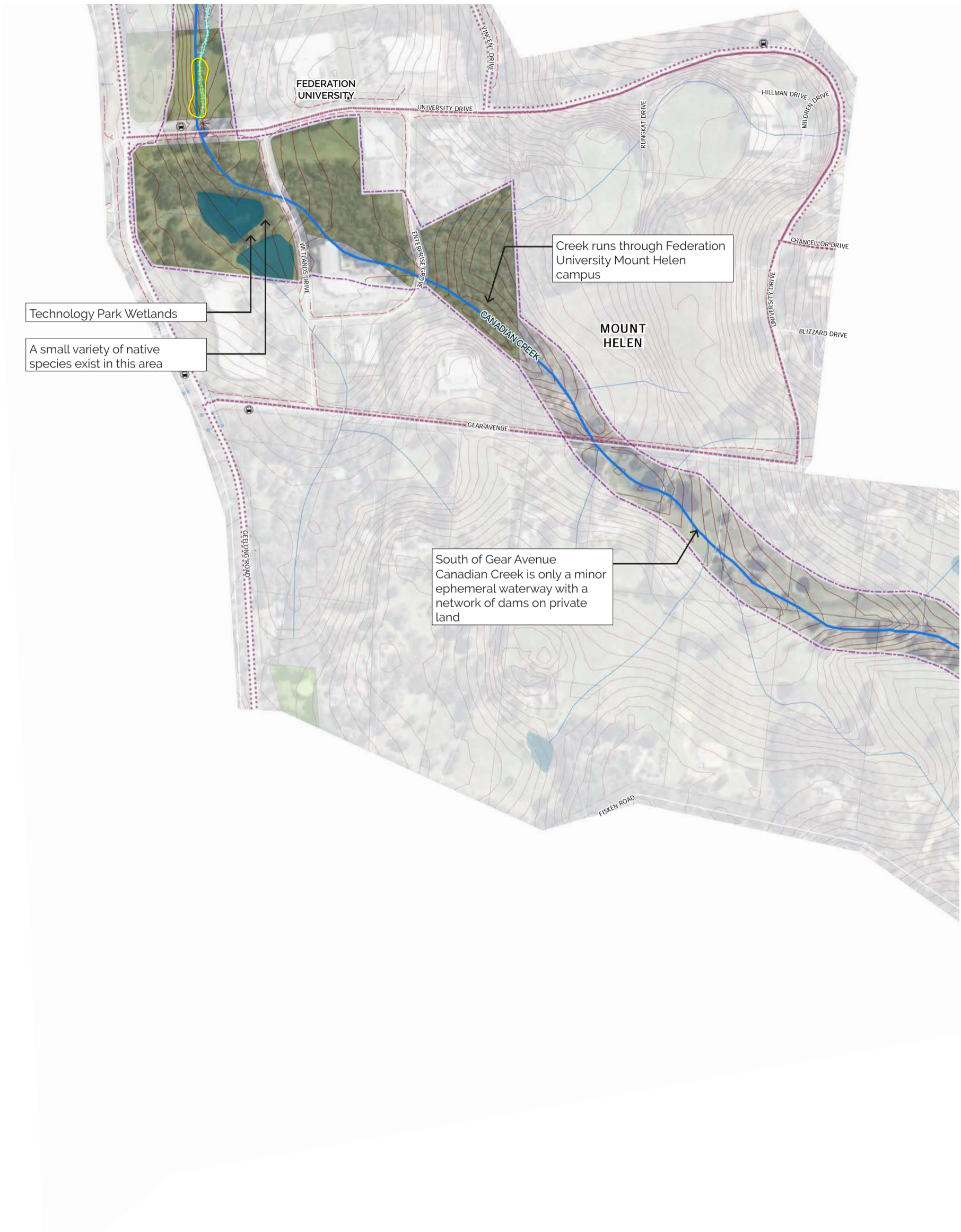


**Canadian Creek**  
Analysis Plan



Scale 1:5000 at A3





### Canadian Creek Analysis Plan



Scale 1:5000 at A3



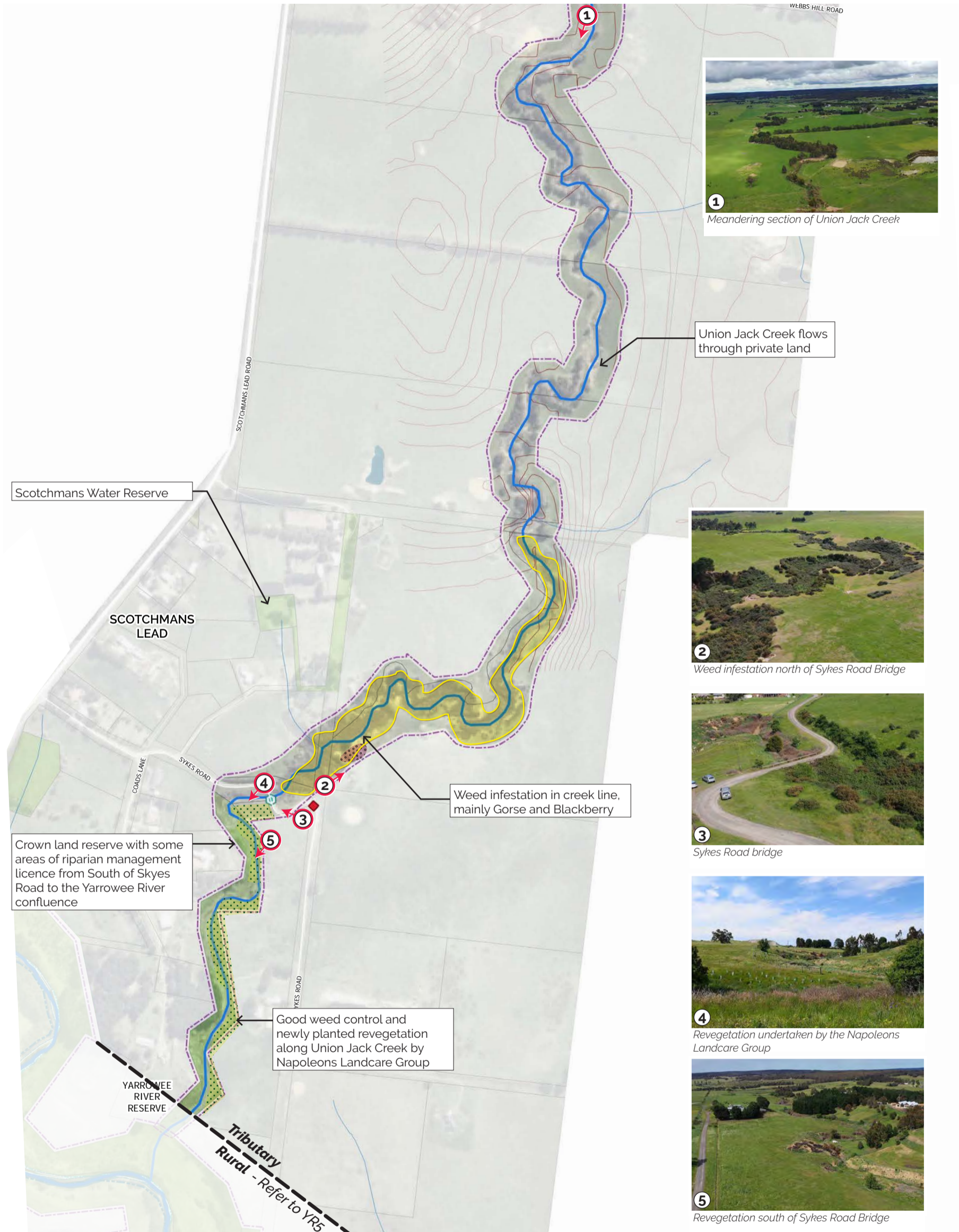


Canadian Creek  
Analysis Plan



Scale 1:5000 at A3



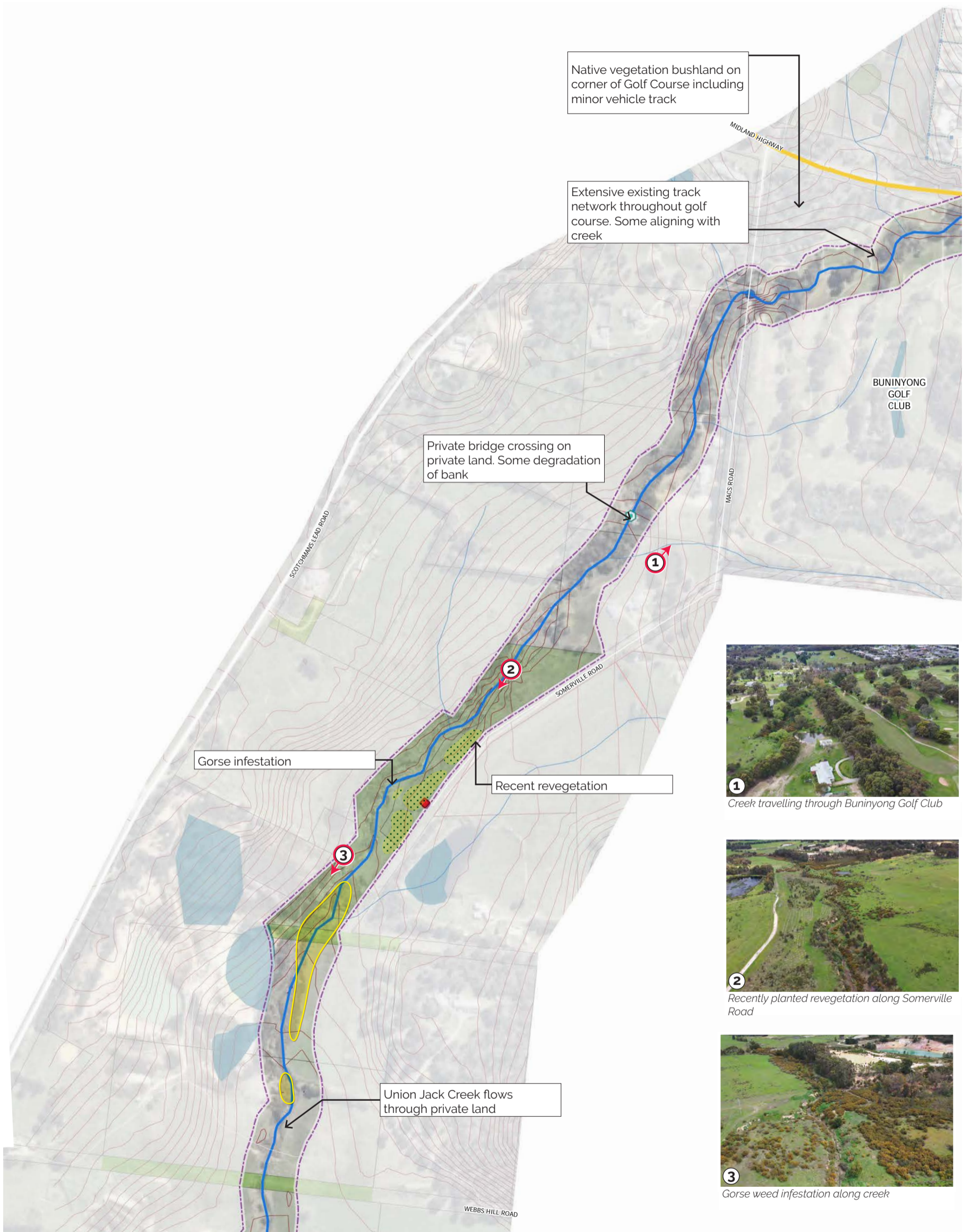


**Union Jack Creek**  
Analysis Plan



Scale 1:5000 at A3





**Union Jack Creek**  
Analysis Plan



Scale 1:5000 at A3







**Union Jack Creek**  
Analysis Plan

Scale 1:5000 at A3



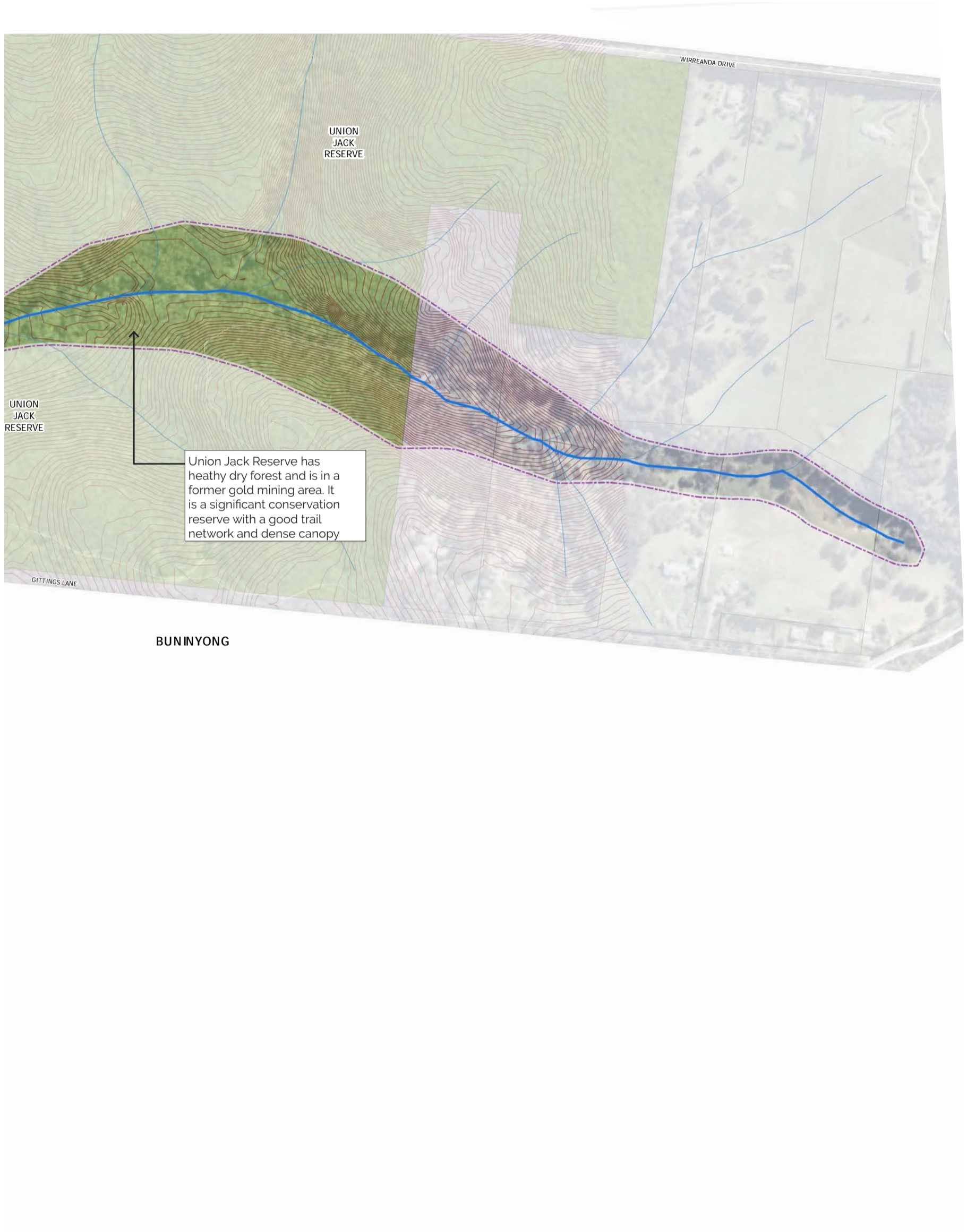


### Union Jack Creek Analysis Plan



Scale 1:5000 at A3





### Union Jack Creek Analysis Plan



Scale 1:5000 at A3



# Stakeholder Workshop Images

Community consultation record

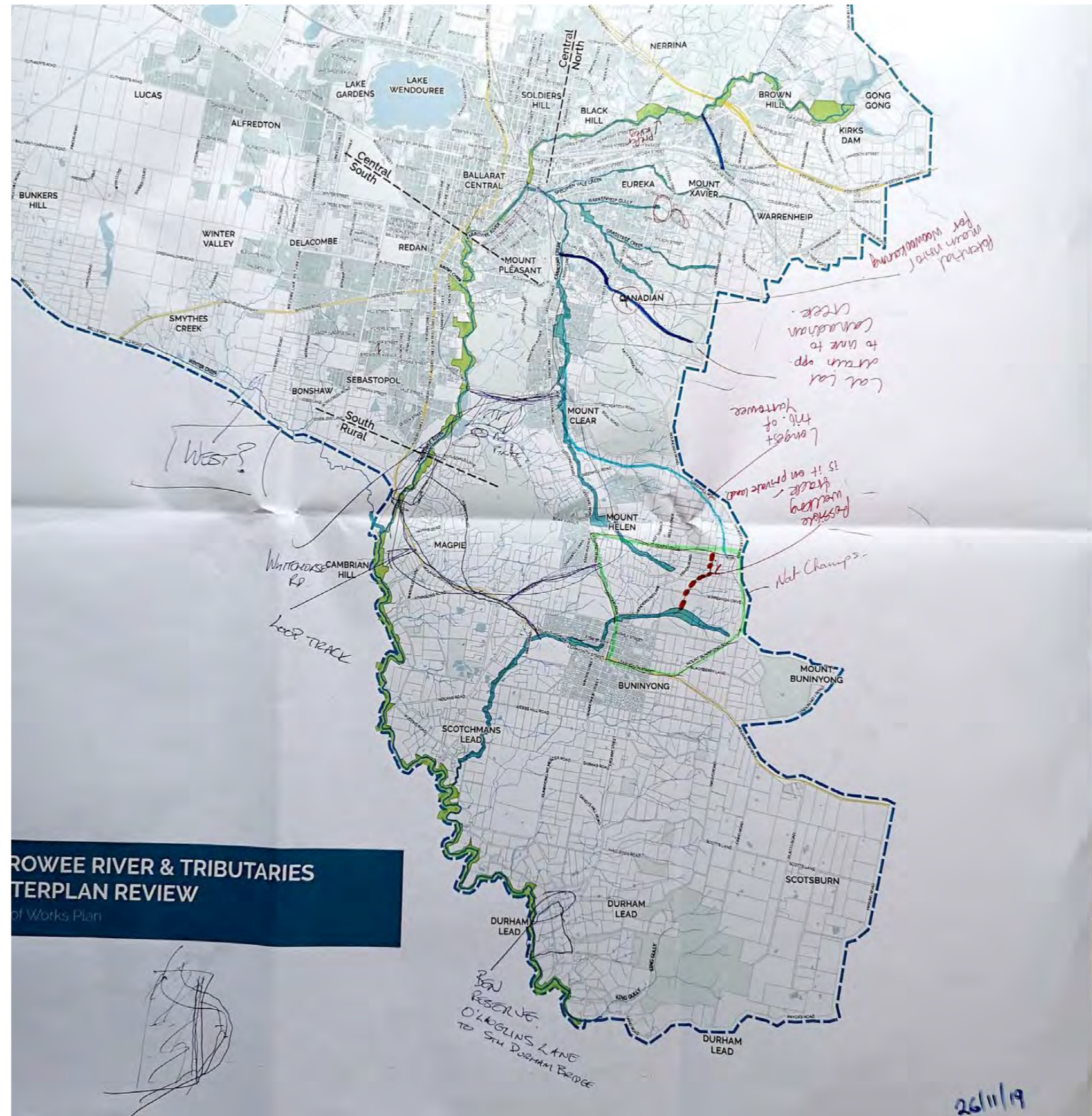
## Access and Recreation Group

### Access and Recreation PTD

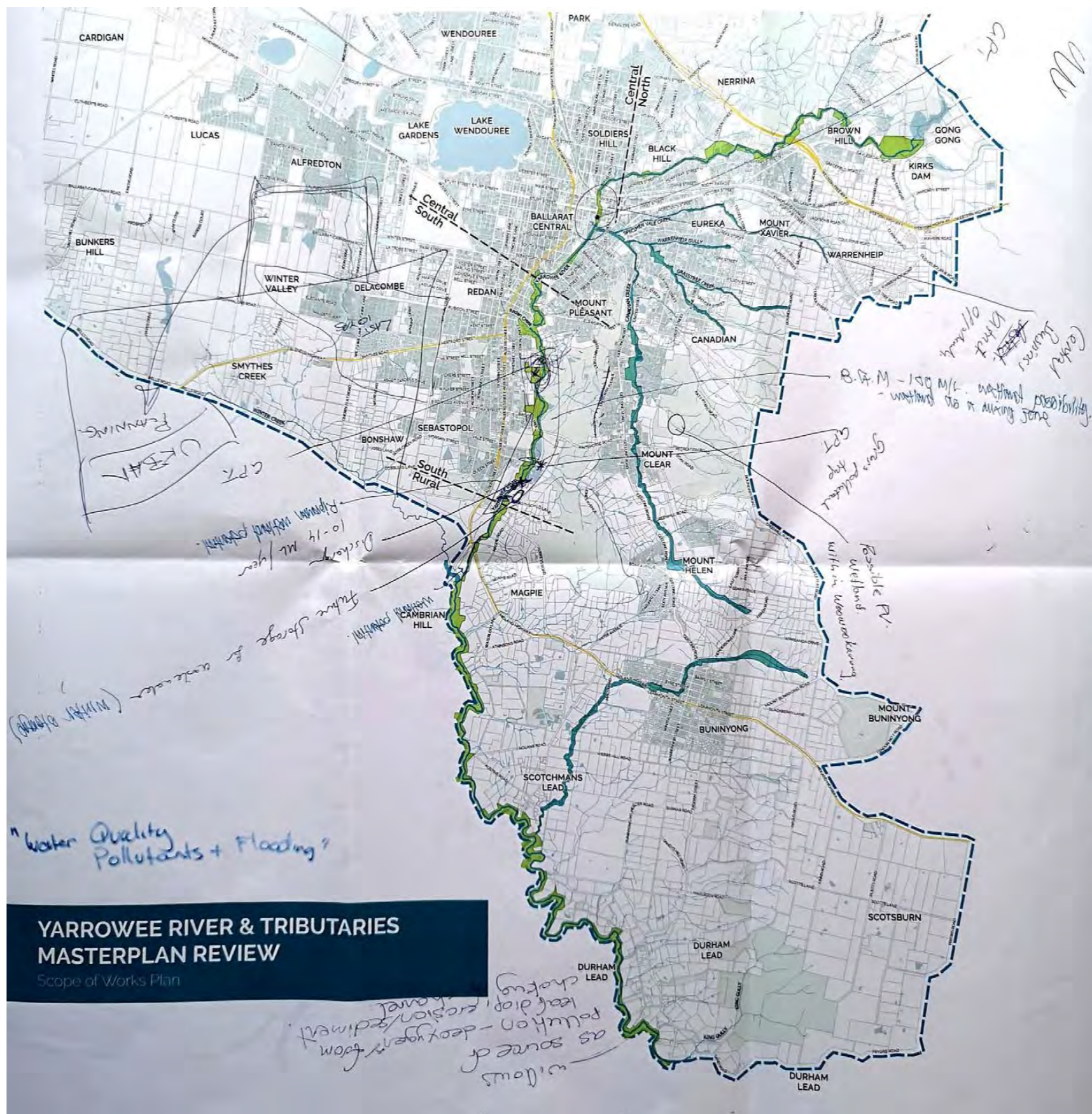
- We loop track Magpie - to Buninyong (Midland Hwy) Aubrey Rd - Kurt's Noyce
- Lal Lal Drain is Creek (blw old R/Ae Range) Comes in below Sovereign Hill. Remnant Trail extension. - Robert Hartman
- Another one through Whitehorse Road. Trail
- There is a document from City Ballarat with all the trails - Its a fold out walking map ? 2005, ? 2008
- Create a 'Marathon Track' used - running / cycling etc
- Near Dooca its a mining relic not a billboard
- 1987 World Environment Day Ian Simpson & Michael Adams tracholited their way to 'The Grapes' Hotel.
- Richards St (Warrenheip Creek) is developers need to address possible Stormwater

### Recreation

- Cycling / jogging
- Fishing? Kayaking?
- Walk Dog. Parking / Park N Ride
- Picnic
- BBQ - Free (wood fired at Gong Gong)
- Orchid watching
- Bird Observing
- Visiting shops access - using Park N Ride
- Indigenous heritage trails
- Vintal Reality Trail - run at the library
- Participation & Connection Friends Groups
- Friends of E. Canadian Corridor, Friends of Y. River
- Land Care Groups - Hattigobas, Napoleons, Garibaldi, Attila/Wattle Flat
- Citizen Science monitoring points - smartphone # based
- Instagram sites
- Dog Park
- Free out door gym and most used area.



Water Quality, Pollutants and Flooding Group



Yarrowee River and Tributaries River Corridor Masterplan 2019-20

Thomson Hay Landscape Architects and Roger Thomas

Habitat, Planting and Environmental Weeds Group

No impermeable surfaces on <sup>150 metres of</sup> banks.  
 Retail Attractive Open Spaces / Experiences  
 Succession funding - Weed Control

Contact: → Dave Ebbs PhD on Yarrawee River  
 Peter Dalhouse, Cerdi is supervisor.

# Habitat, planting, environmental weeds

research/monitoring on past plantings → 25yr planting now established & good to form adjacent habitat. when remove weeds.  
 "learn, rethink, redo" also cultural knowledge see Wirrindjeri example, note corridor outcomes but not catchment-outcomes

- Need to → Designated areas for reveg or not
- Climate Change - revegetation to be local, indigenous + some northern provenances eg eucalypts
- Save native vegiv where exists eg messmate seeds from clones
- connectivity & corridors - need to develop - movement of species part of education too - also need to be research/monitored based
- link with Eastern Biodiversity Corridor
- Need ~~area~~ to be under broader strategy
- Pockets of reserve need mapping - link to Bunyangung Landscape Alliance vision
- Key <sup>connector</sup> nodes concept - just a few words/text that can bring in broader funding - also if looking @ areas within broader catchment need to engage with this plan & buy in!
- Schatts along the river - how are we going to engage. This needs to be part of education strategy/rec.
- need to recognise this masterplan is within COB area, but needs to take account of the catchment

willows can help with stabilisation - cut-but-leave roots in & replant.  
 spray & not remove - so keep cover for indigenous wildlife.

ok get rid! but need constant funding! ∴ needs maintenance budget - Take out as you go but needs a "risk based approach" - replace weeds with natives in small franchises.

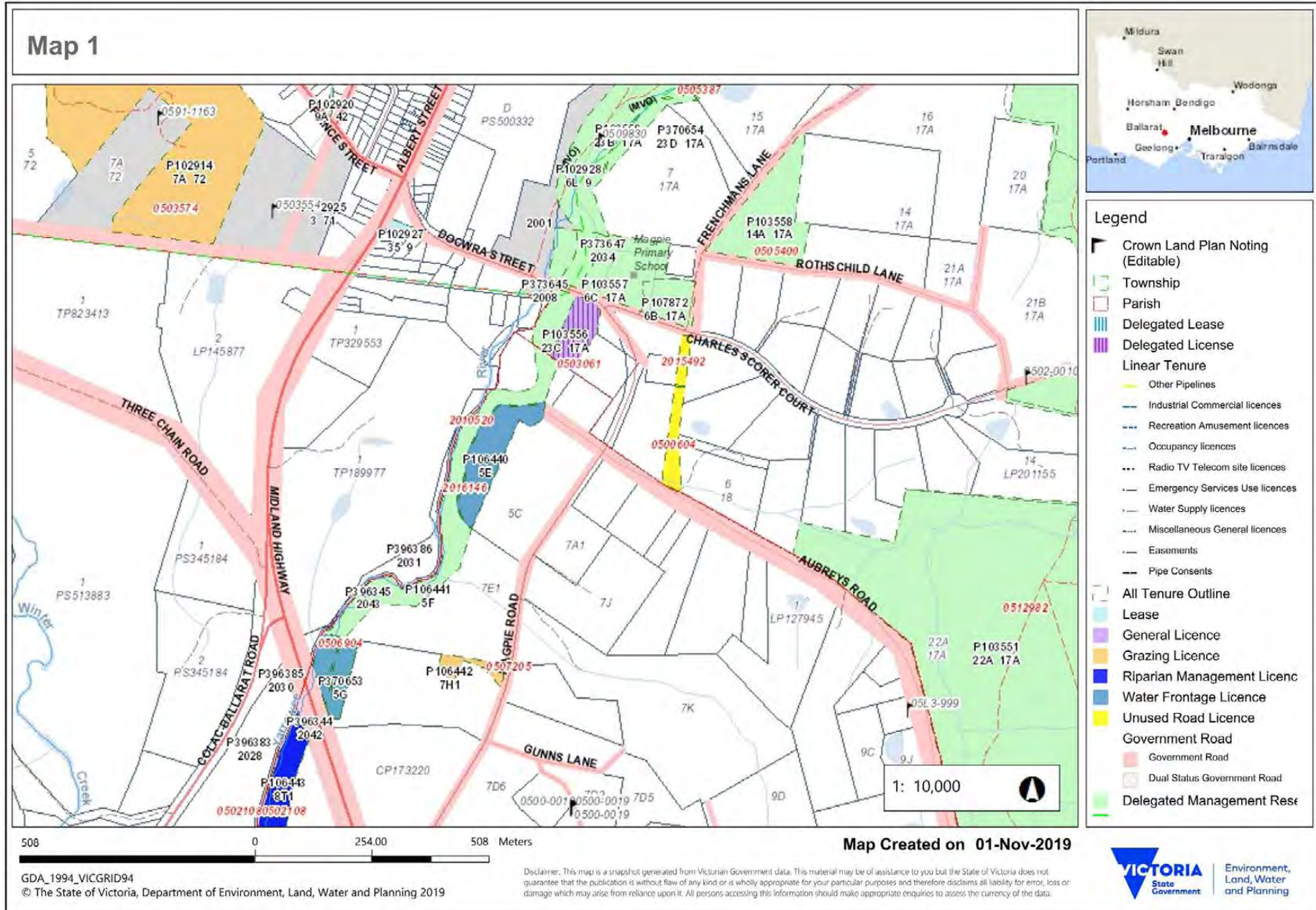
## DEWLP Land Management Licence Maps

Along the Yarrowee River most of the adjacent land is reserve or crown land. Many of these parcels are used or managed privately under various licences through DELWP. Some of these licences include general, grazing, riparian management, water frontage and unused road.

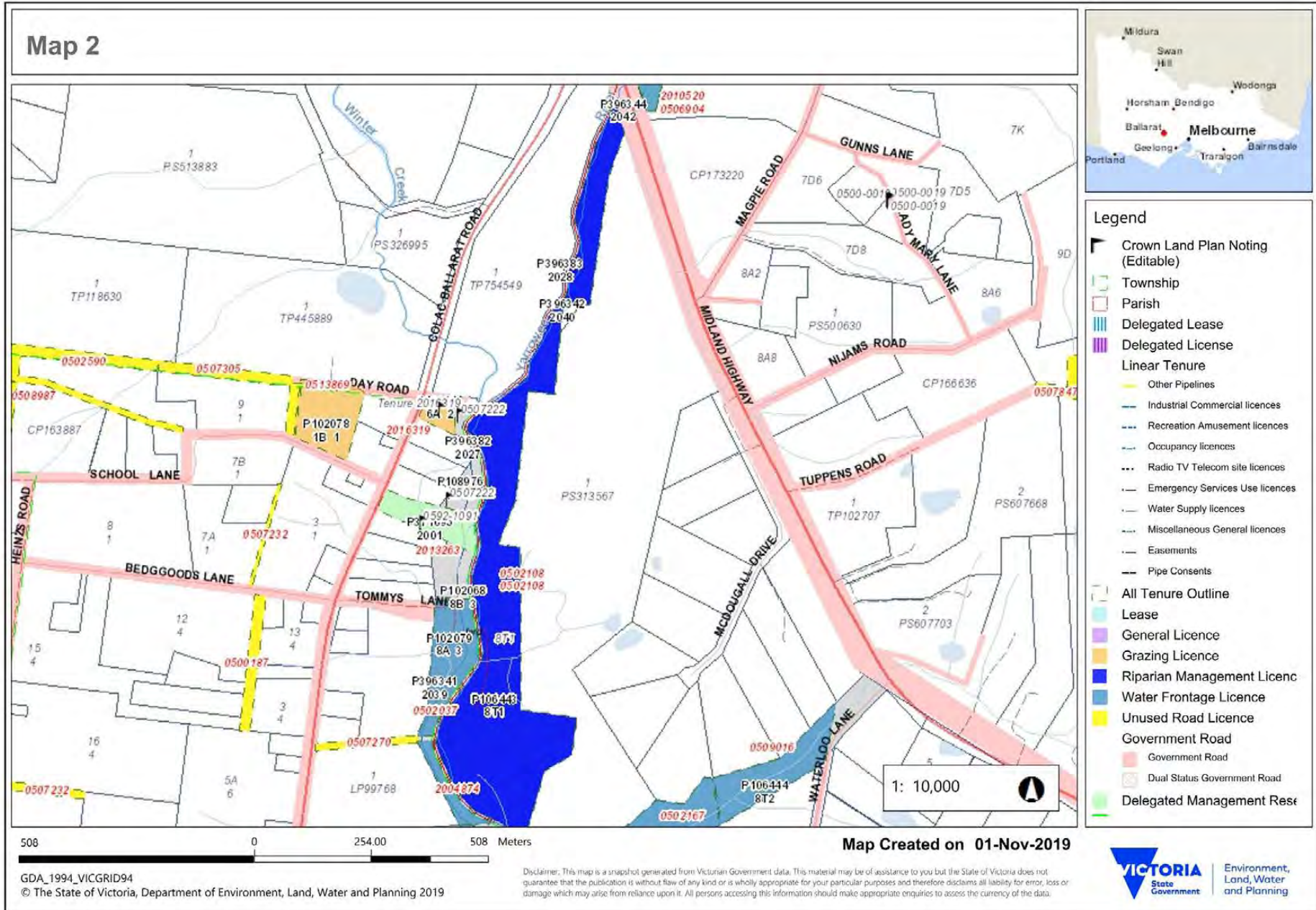
The licence lengths vary considerably by type. Some will be renewed annually, while others will be 3, 5 or 10 year terms. In all cases the licences are effectively considered to be 'ongoing', and will renew/reissue upon payment of the next terms invoice. They are all, in a sense, continuous for this reason.

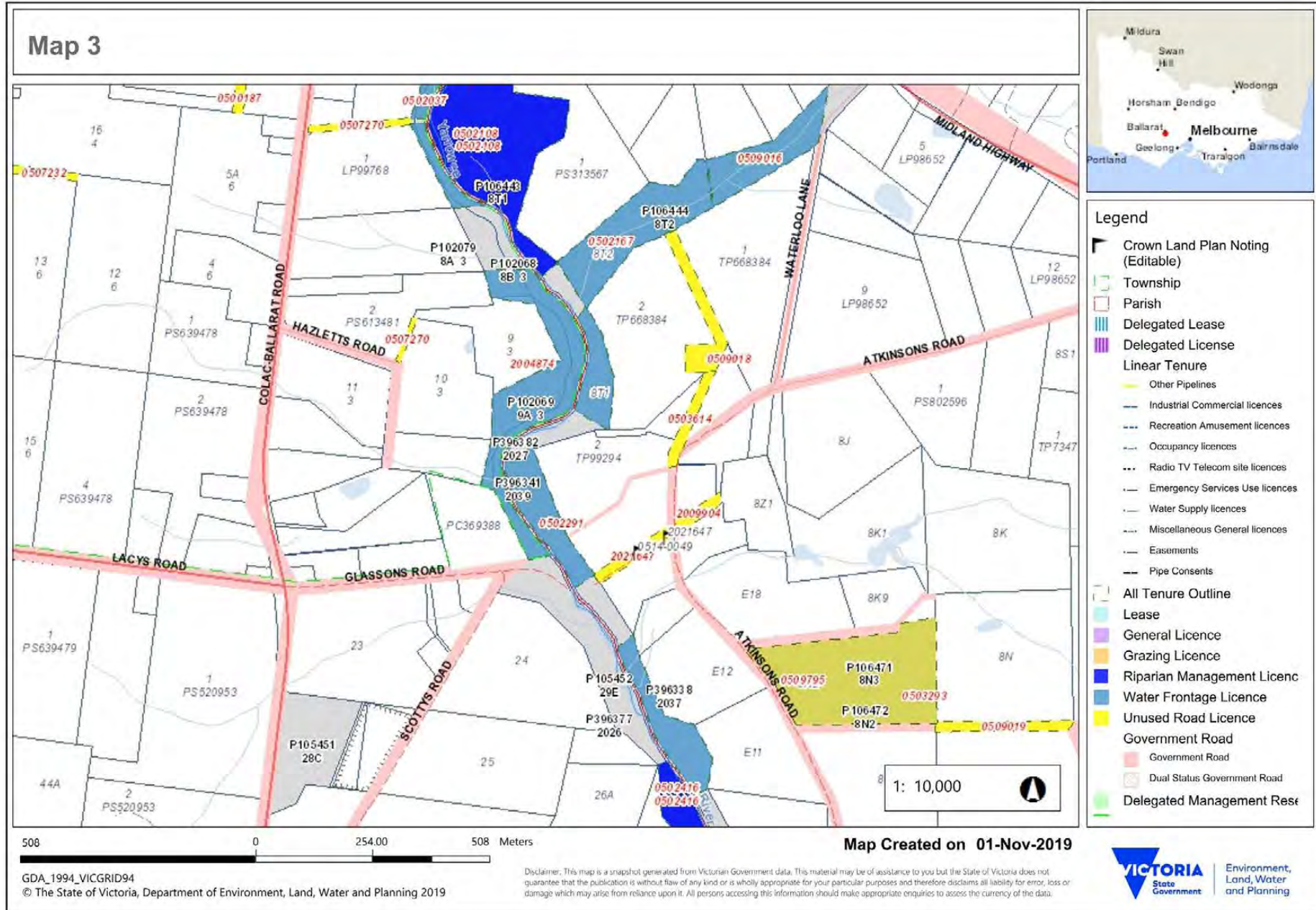
In all cases, any licence can be cancelled by DELWP at any time – for valid reason. This can be by default under the licence conditions (i.e. inappropriate use, failure to pay etc.) but can also be because DELWP require the land (i.e. to rehabilitate an area, or include it in a reserve etc.). On this basis there may be capacity to cancel licenses to facilitate development along the Yarrowee River .

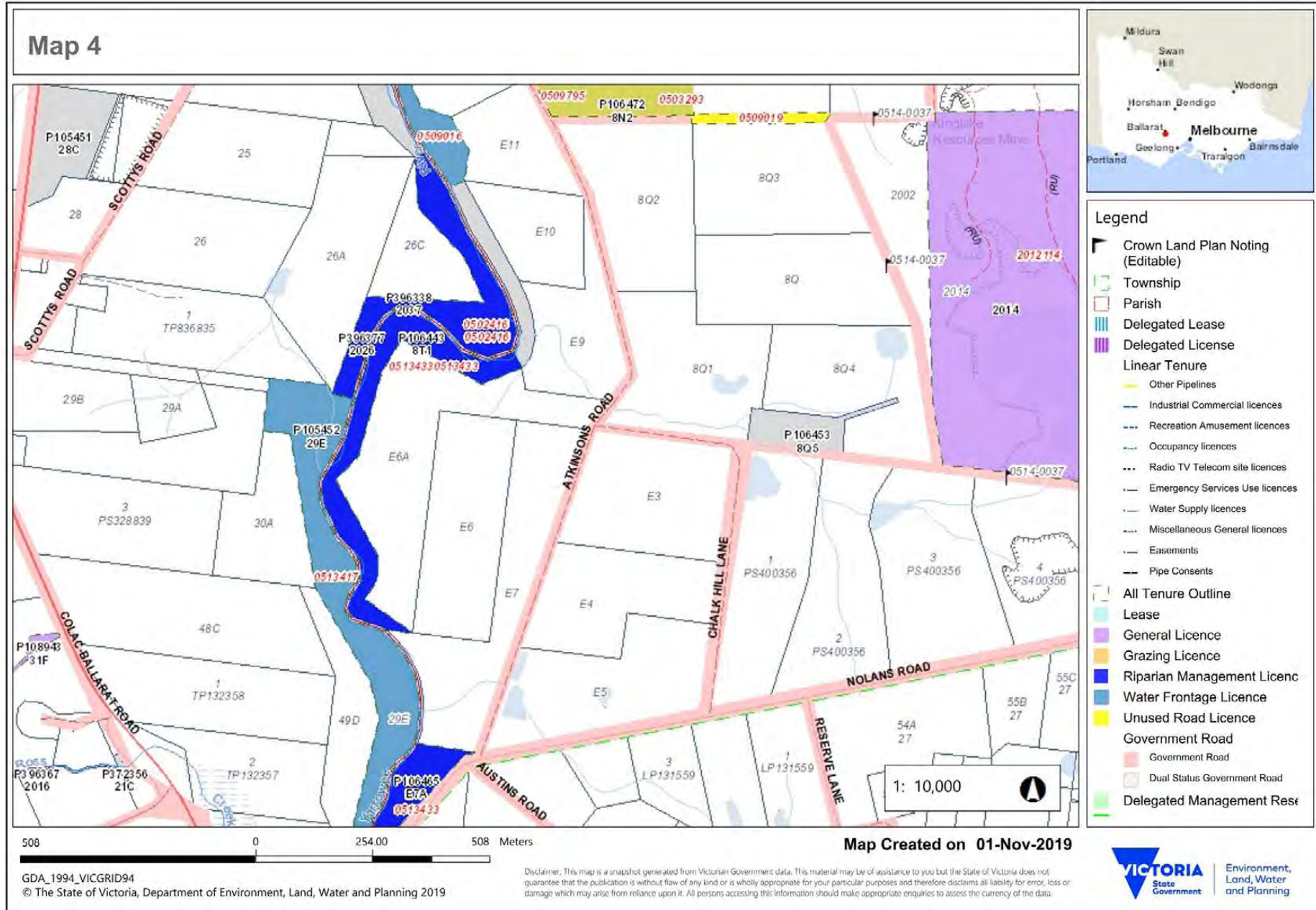
See following maps for licence types along the Yarrowee River south of Dowcra Street and the Union Jack Creek

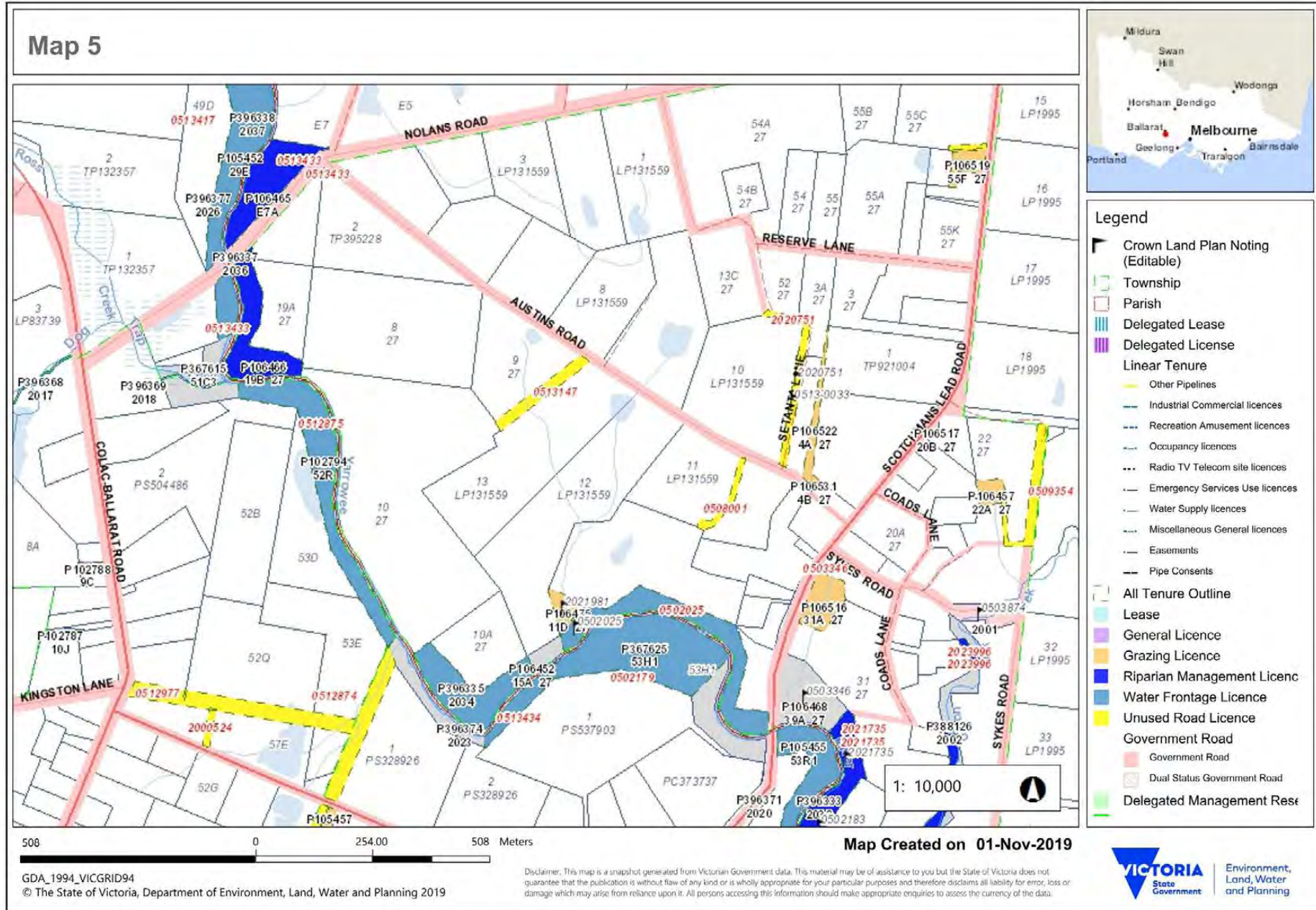


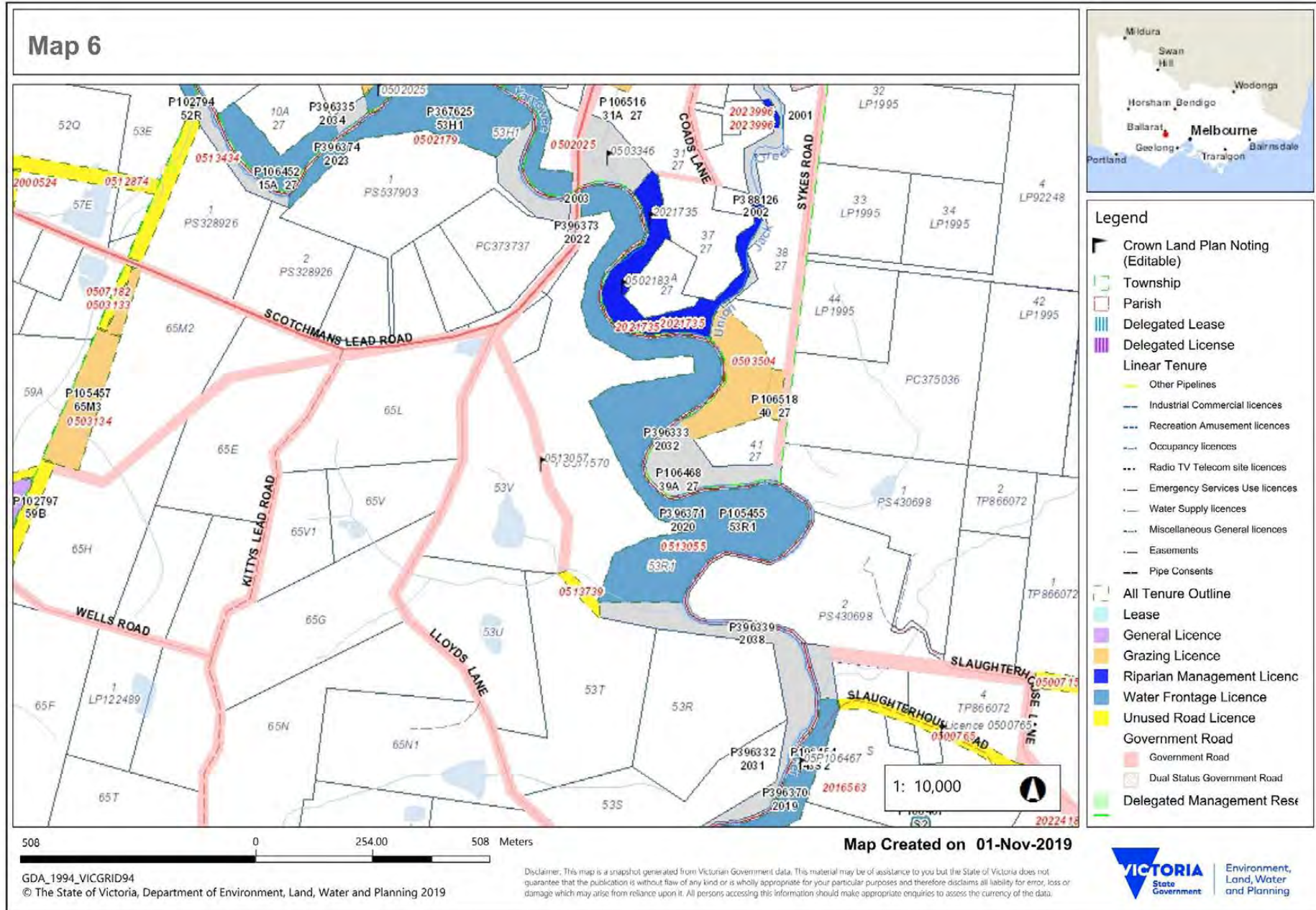


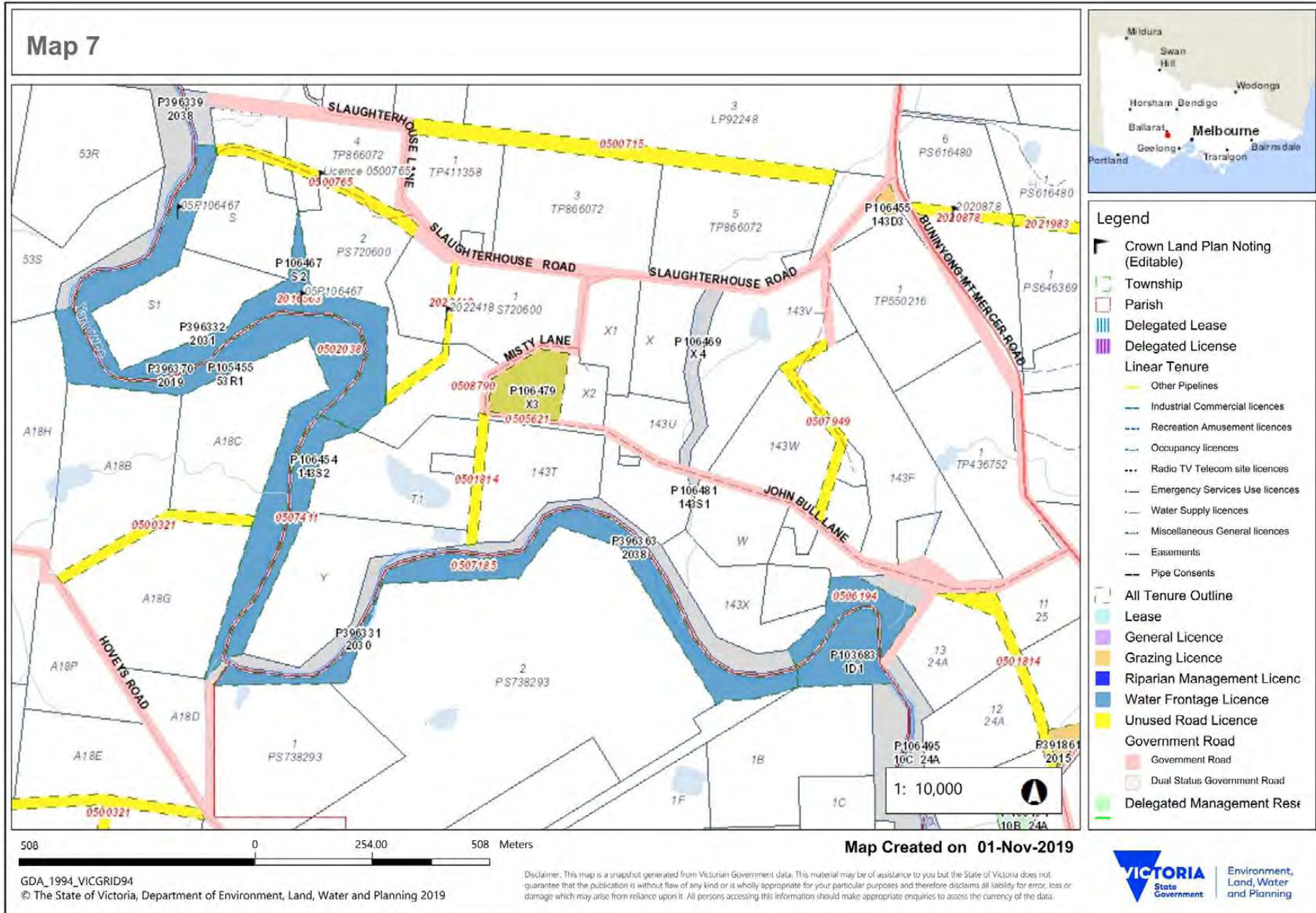


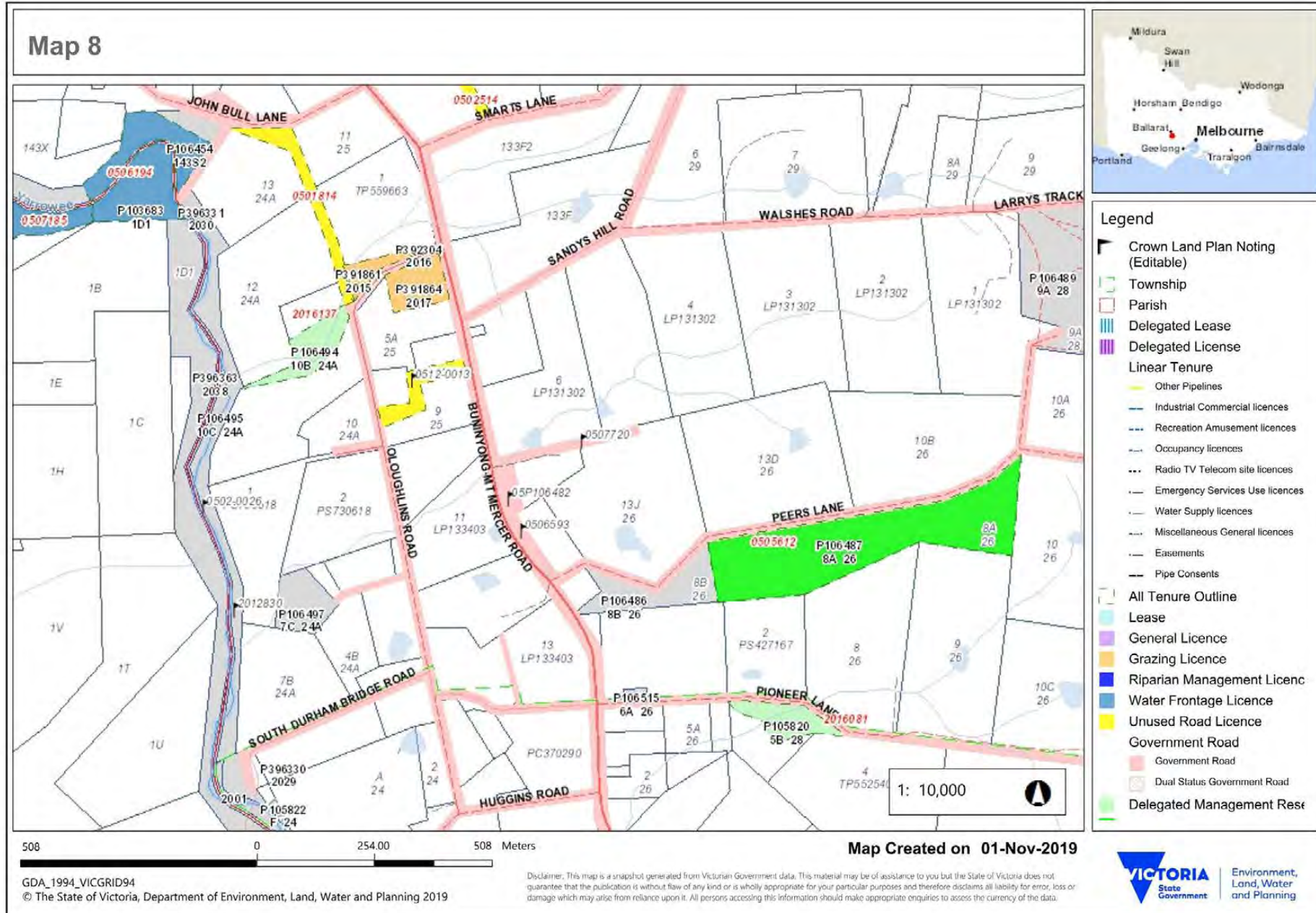


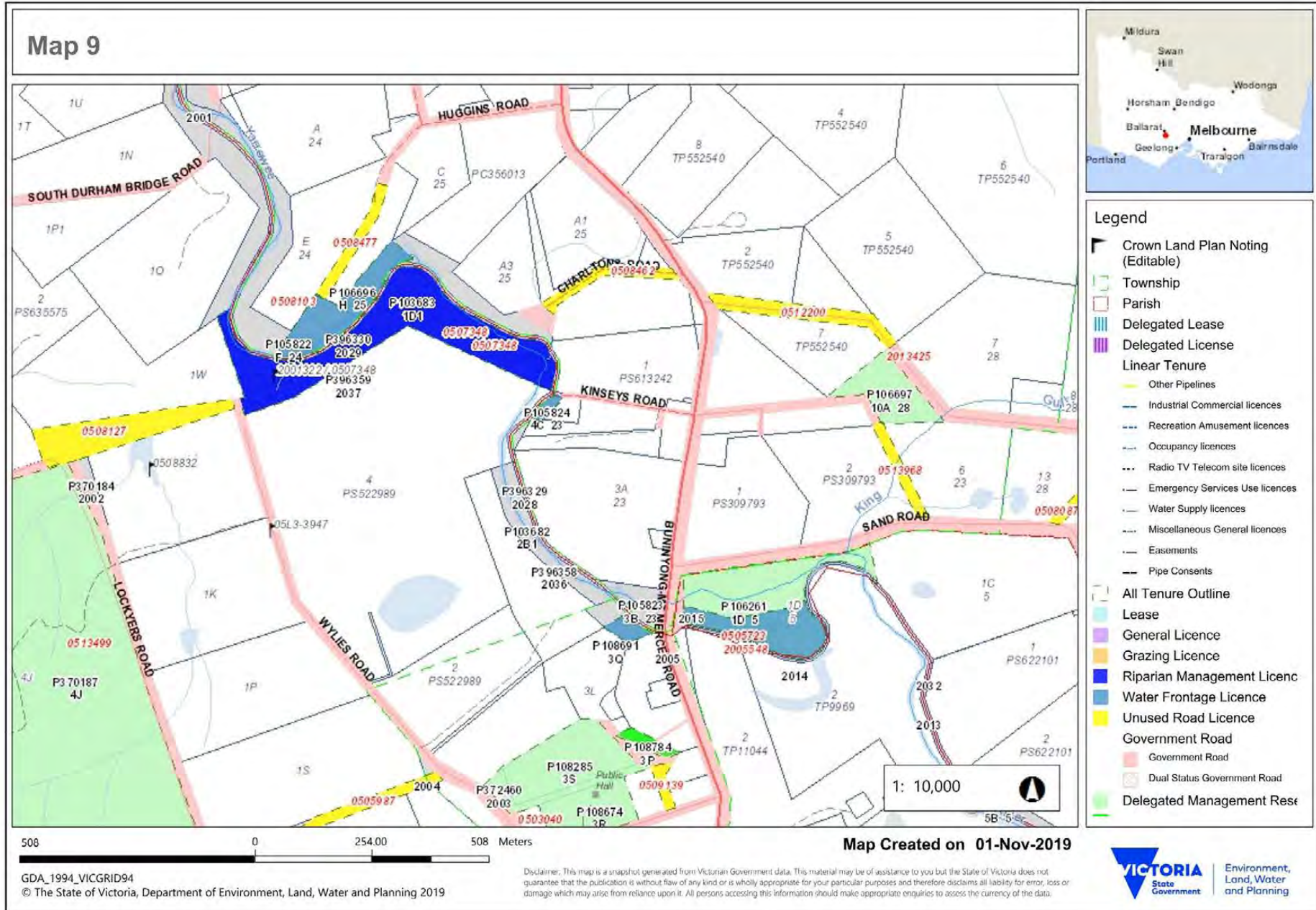




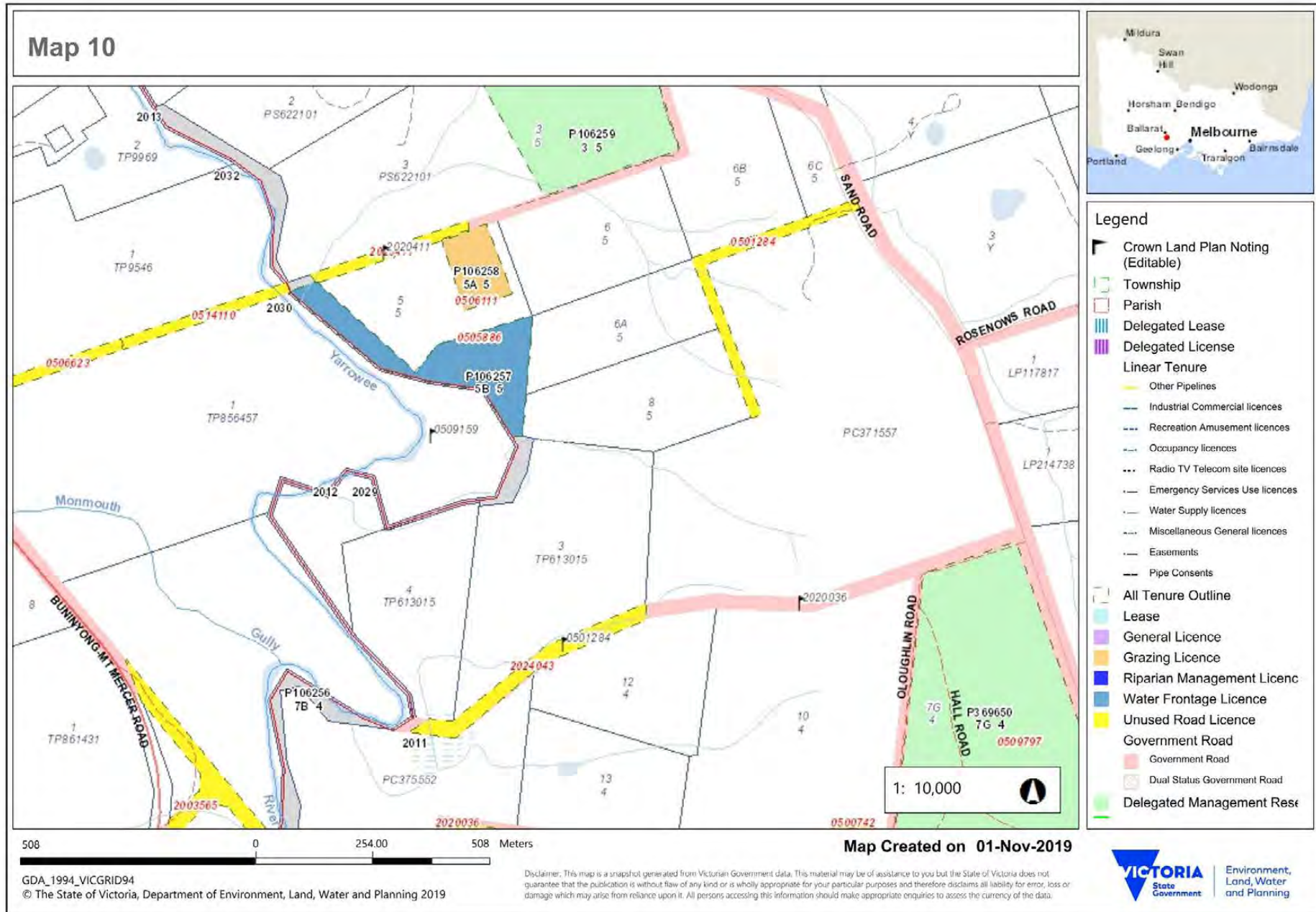


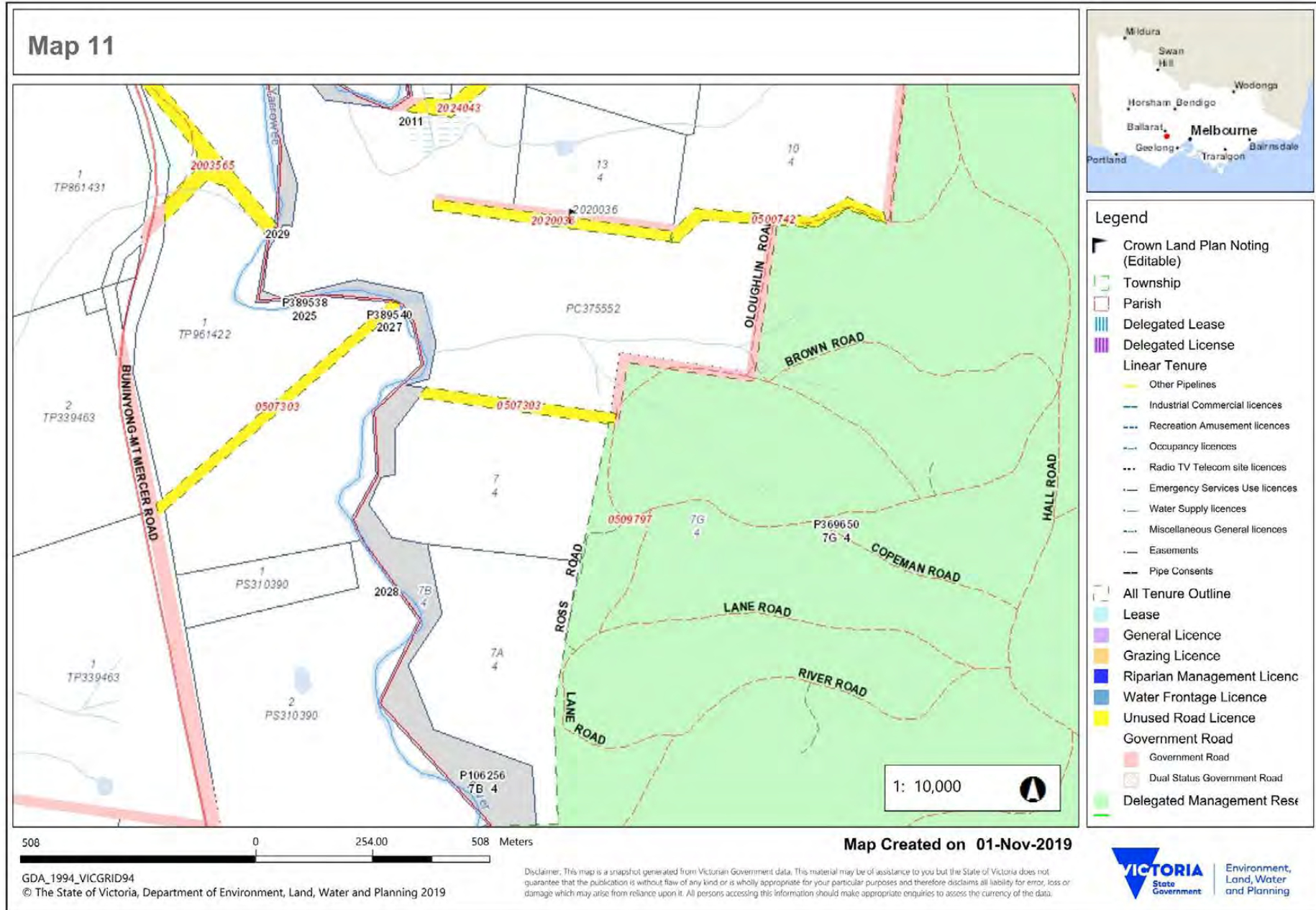


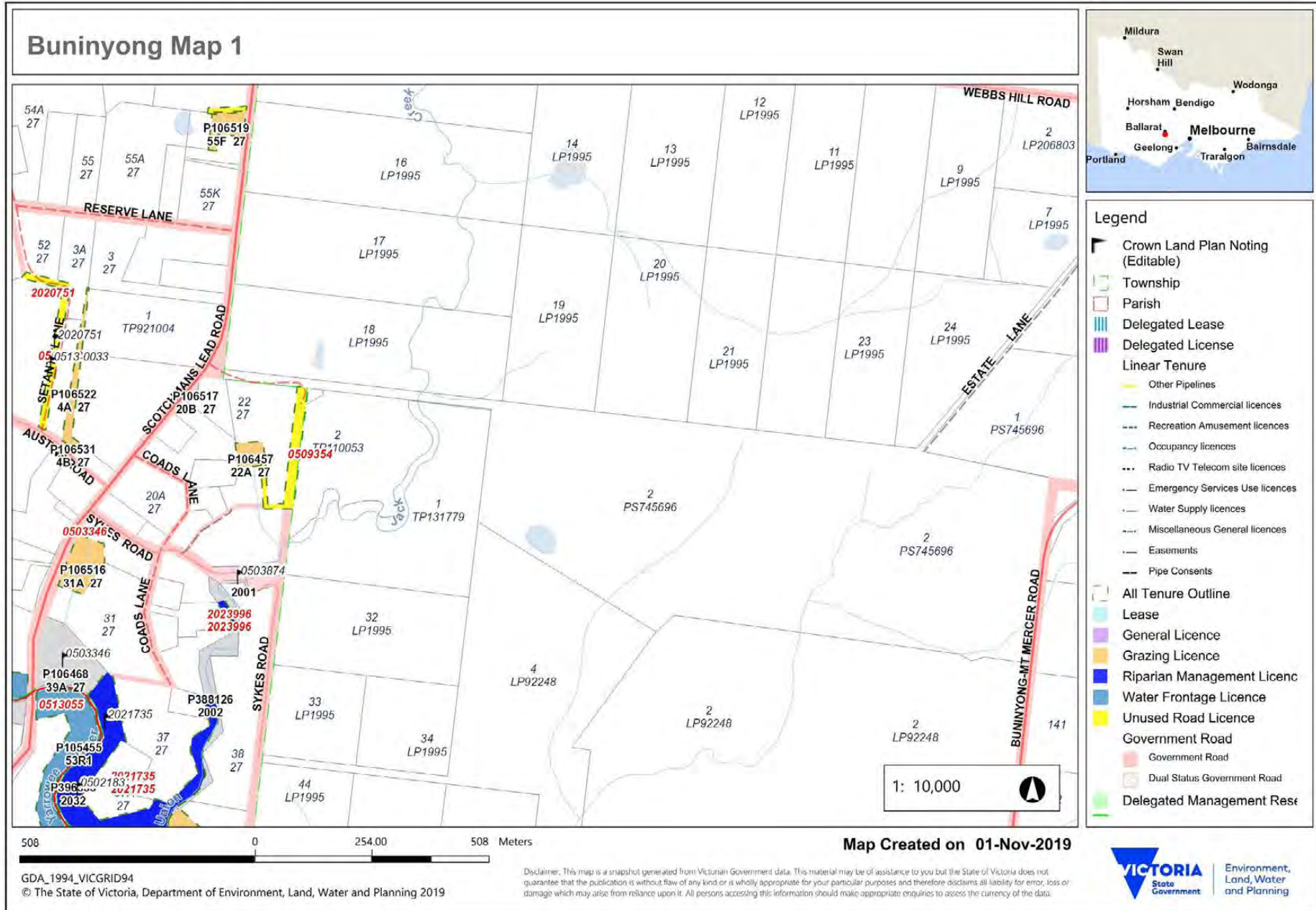


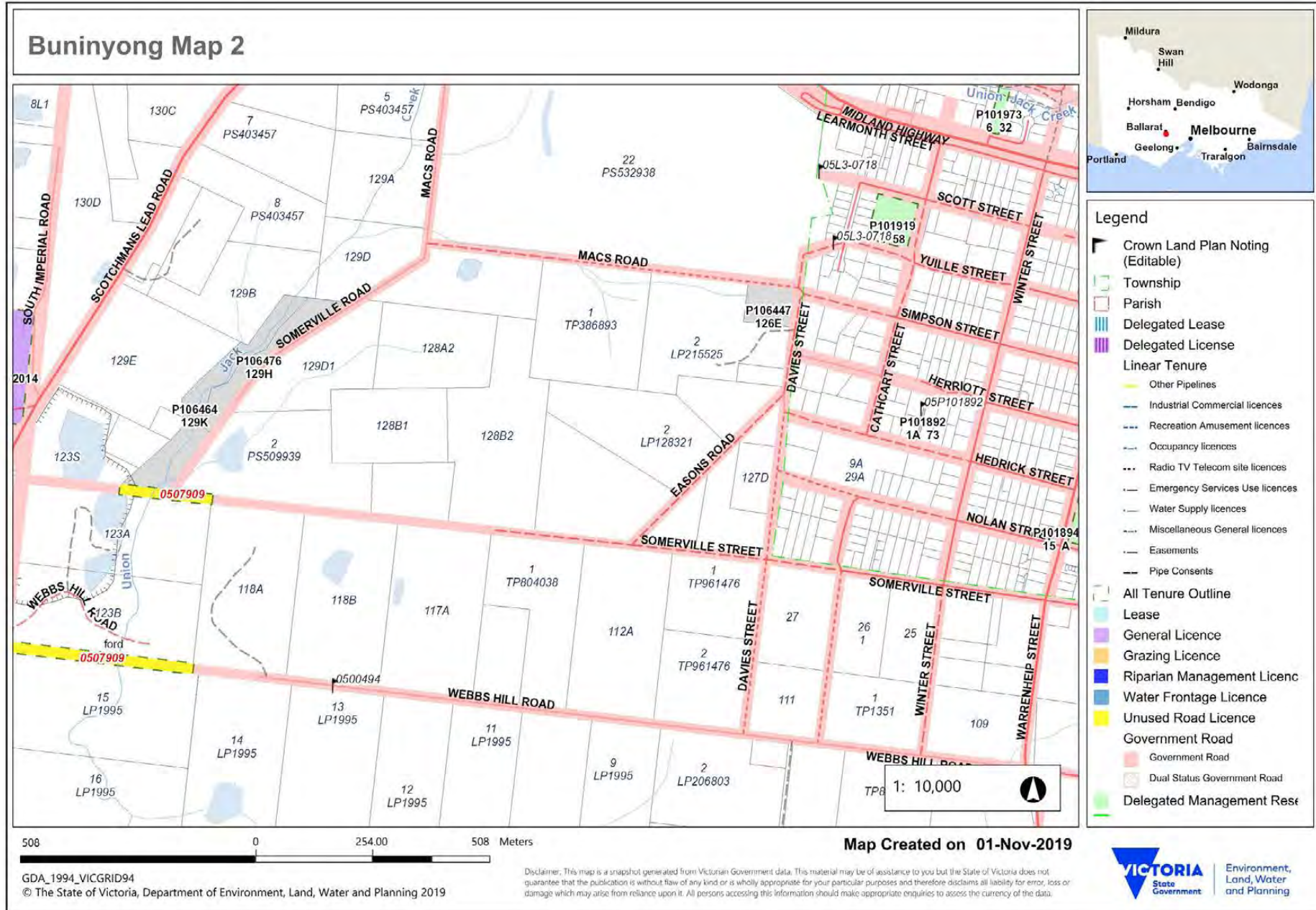


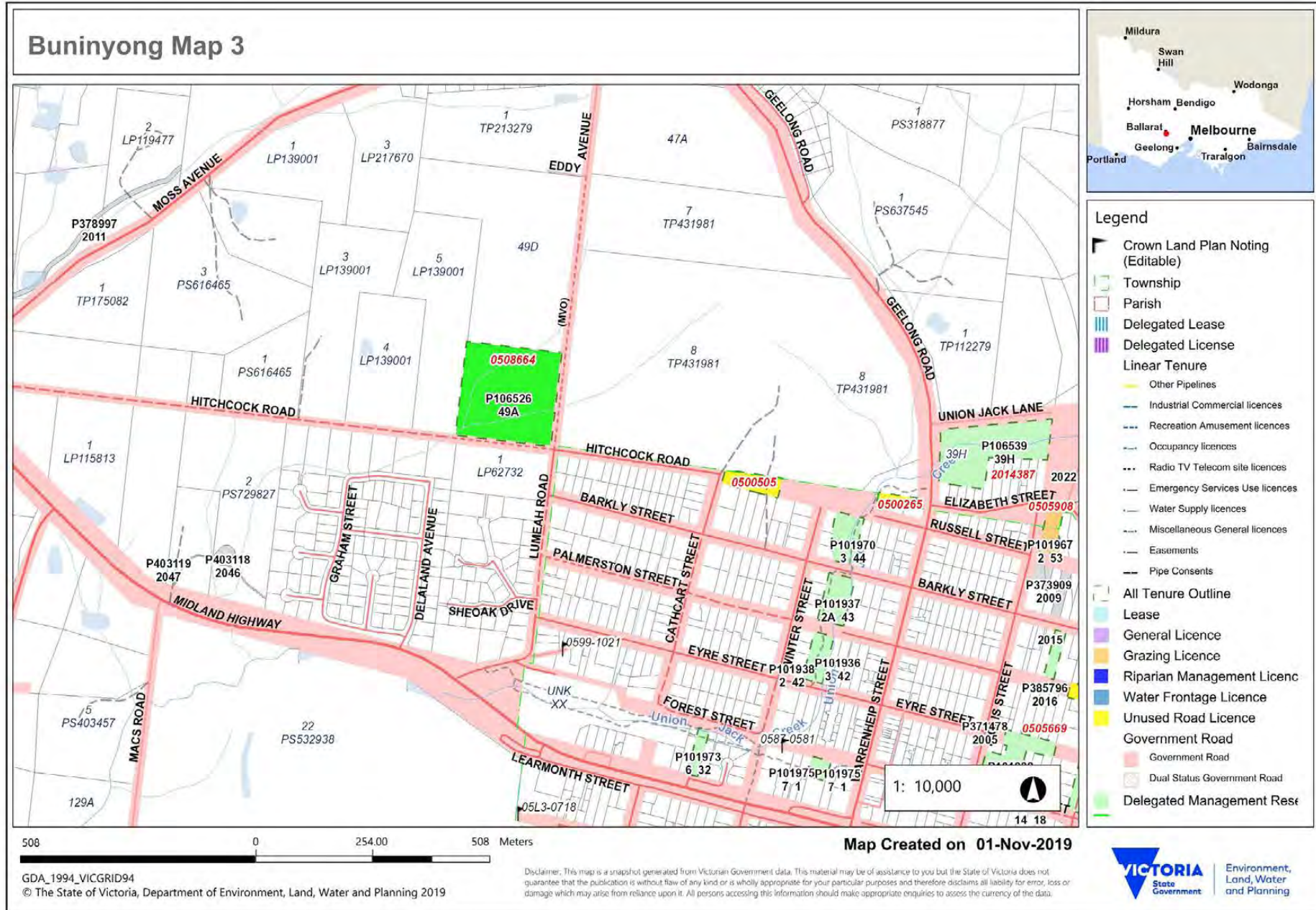


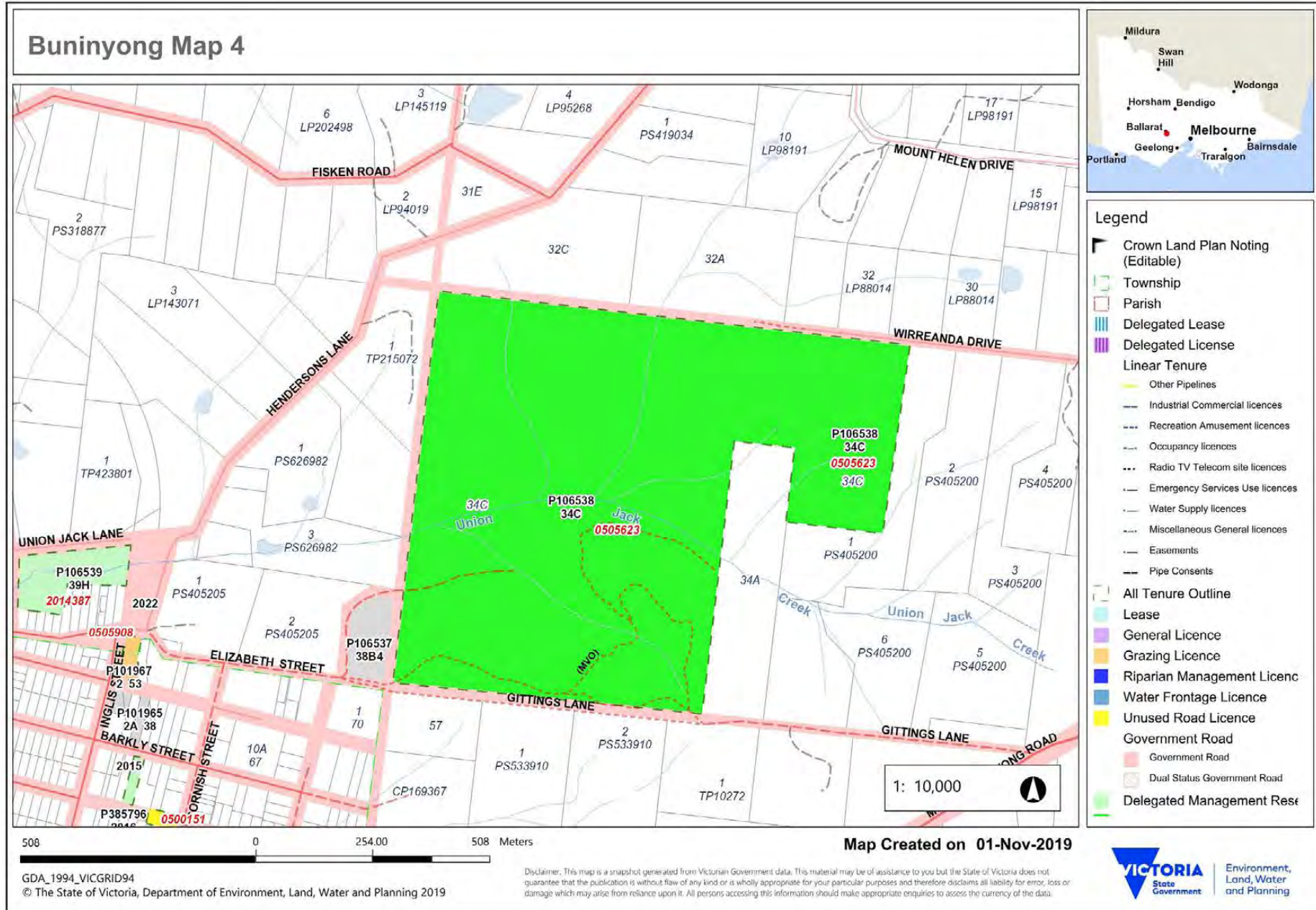












2000-65  
TITLE



CITY OF BALLARAT

# YARROWEE – REDAN WETLANDS EARTHWORKS AND ANCILLARY WORKS CONSTRUCTION PLANS

CONTRACT: No. 01124 PT



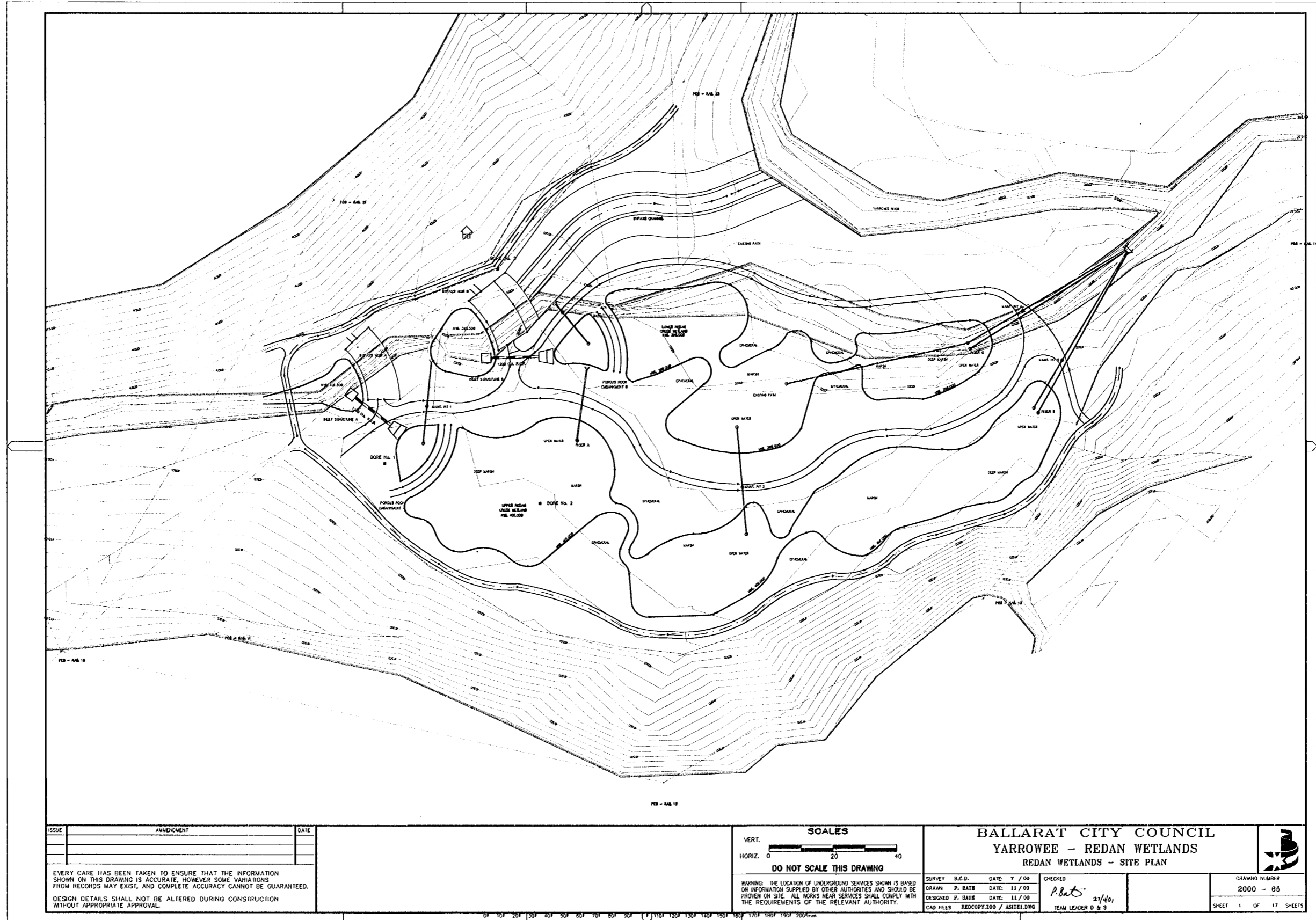
LOCATION OF WORKS

PLAN No.	CONTENTS
YARROWEE – REDAN WETLANDS	
PLAN No. 2000 – 65	
1	REDAN WETLANDS: SITE PLAN – (1:500)
2	YARROWEE MARSHES: SITE PLAN – (1:500)
3	SETOUT PLAN – SHEET 1
4	SETOUT PLAN – SHEET 2
5	SETOUT PLAN – SHEET 3
6	SETOUT PLAN – SHEET 4
7	CONTOUR PLAN – SHEET 1
8	CONTOUR PLAN – SHEET 2
9	CONTOUR PLAN – SHEET 3
10	CONTOUR PLAN – SHEET 4
11	REDAN: LONGITUDINAL SECTIONS
12	REDAN: LONG. & CROSS SECTIONS
13	YARROWEE: LONG. & CROSS SECTIONS
14	DETAILS: SHEET 1
15	DETAILS: SHEET 2
16	DETAILS: SHEET 3
17	DETAILS: SHEET 4

PLAN No. 2000 – 65: YARROWEE – REDAN WETLANDS

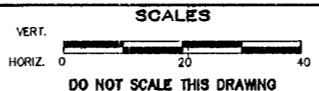
BALLARAT CIVIL DESIGN  
FOR CONSULTANCY SERVICES  
PHONE: (03) 5320 5606

2000-65  
1 of 17



ISSUE	AMENDMENT	DATE

EVERY CARE HAS BEEN TAKEN TO ENSURE THAT THE INFORMATION SHOWN ON THIS DRAWING IS ACCURATE, HOWEVER SOME VARIATIONS FROM RECORDS MAY EXIST, AND COMPLETE ACCURACY CANNOT BE GUARANTEED. DESIGN DETAILS SHALL NOT BE ALTERED DURING CONSTRUCTION WITHOUT APPROPRIATE APPROVAL.



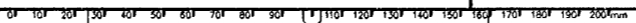
WARNING: THE LOCATION OF UNDERGROUND SERVICES SHOWN IS BASED ON INFORMATION SUPPLIED BY OTHER AUTHORITIES AND SHOULD BE PROVEN ON SITE. ALL WORKS NEAR SERVICES SHALL COMPLY WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY.

**BALLARAT CITY COUNCIL**  
**YARROWEE - REDAN WETLANDS**  
**REDAN WETLANDS - SITE PLAN**



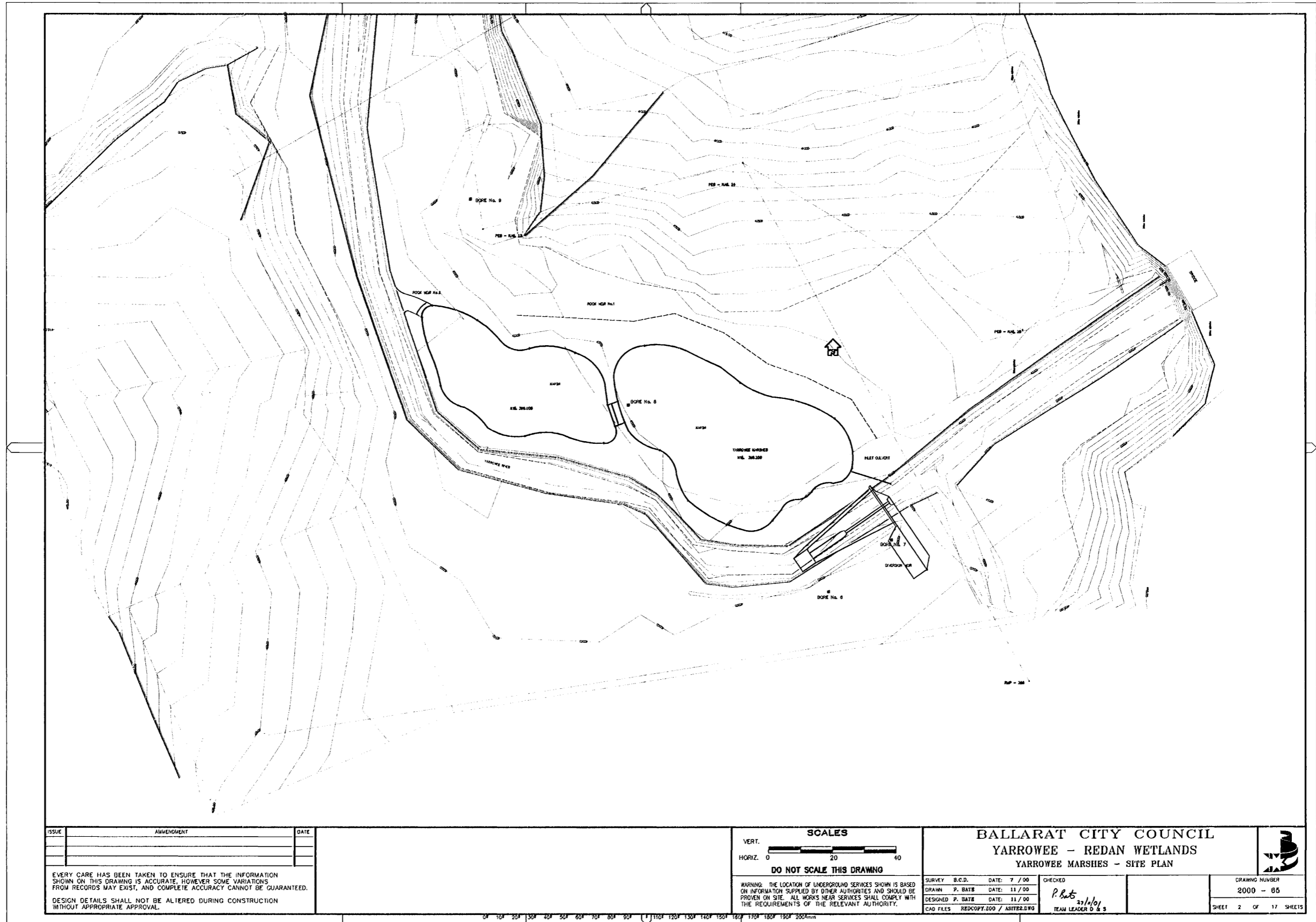
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DRAMM	P. BATE	DATE: 11 / 00	<i>P. Bate</i> 27/10/01
DESIGNED	P. BATE	DATE: 11 / 00	
CAD FILES	REDCOPY.ZOO / ASITEL.DWG	TEAM LEADER	D & S

DRAWING NUMBER	2000 - 65
SHEET	1 OF 17 SHEETS





2000-65  
2 of 17



ISSUE	AMENDMENT	DATE

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DESIGN DETAILS SHALL NOT BE ALIERED DURING CONSTRUCTION WITHOUT APPROPRIATE APPROVAL.

**SCALES**  
VERT. 1:1  
HORIZ. 0 20 40  
**DO NOT SCALE THIS DRAWING**

WARNING: THE LOCATION OF UNDERGROUND SERVICES SHOWN IS BASED ON INFORMATION SUPPLIED BY OTHER AUTHORITIES AND SHOULD BE PROVEN ON SITE. ALL WORKS NEAR SERVICES SHALL COMPLY WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY.

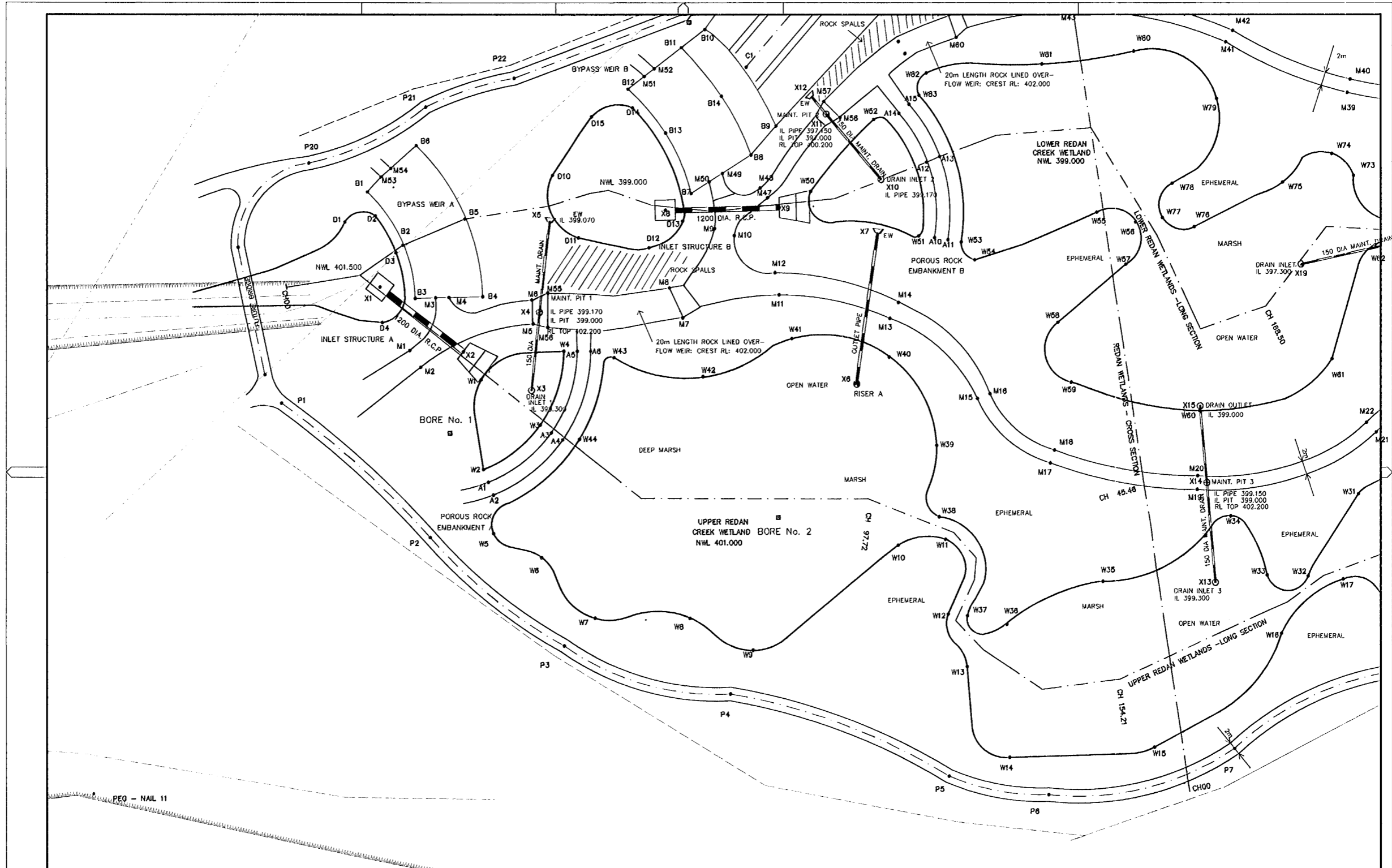
**BALLARAT CITY COUNCIL**  
**YARROOEE - REDAN WETLANDS**  
**YARROOEE MARSHES - SITE PLAN**



SURVEY B.C.D.	DATE: 7 / 00	CHECKED
DRAWN P. BATE	DATE: 11 / 00	P. Bate 21/10/01 TEAM LEADER @ & S
DESIGNED P. BATE	DATE: 11 / 00	
CAD FILES REDCOPY.DWG / ASITEZ.DWG		

DRAWING NUMBER  
2000 - 05  
SHEET 2 OF 17 SHEETS

2000-65  
3 of 17



ISSUE	AMENDMENT	DATE

EVERY CARE HAS BEEN TAKEN TO ENSURE THAT THE INFORMATION SHOWN ON THIS DRAWING IS ACCURATE, HOWEVER SOME VARIATIONS FROM RECORDS MAY EXIST, AND COMPLETE ACCURACY CANNOT BE GUARANTEED. DESIGN DETAILS SHALL NOT BE ALTERED DURING CONSTRUCTION WITHOUT APPROPRIATE APPROVAL.

**SCALES**

VERT. 0 10 20  
HORIZ. 0 10 20

DO NOT SCALE THIS DRAWING

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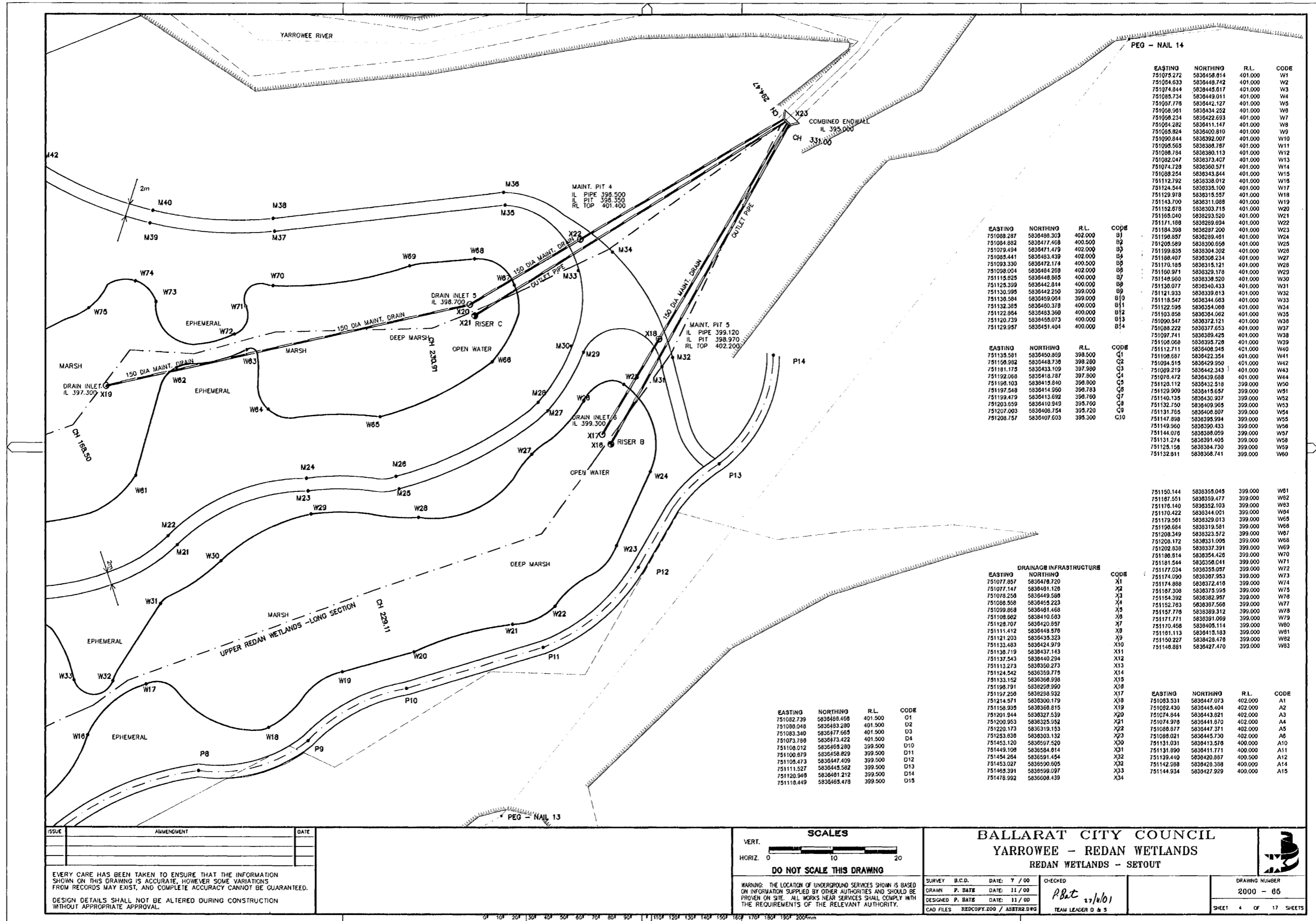
**BALLARAT CITY COUNCIL**  
**YARROWEE - REDAN WETLANDS**  
**REDAN WETLANDS - SETOUT**

SURVEY B.C.D. DATE: 7 / 00  
DESIGNED P. BATE DATE: 7 / 00  
CHECKED P.B.B. 27/1/01  
YEAR LEADER 0 & 3

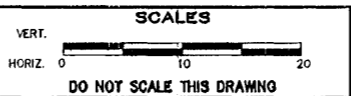
DRAWING NUMBER  
2000 - 65

SHEET 3 OF 17 SHEETS

2000-65  
4 of 17



EVERY CARE HAS BEEN TAKEN TO ENSURE THAT THE INFORMATION SHOWN ON THIS DRAWING IS ACCURATE, HOWEVER SOME VARIATIONS FROM RECORDS MAY EXIST, AND COMPLETE ACCURACY CANNOT BE GUARANTEED. DESIGN DETAILS SHALL NOT BE ALTERED DURING CONSTRUCTION WITHOUT APPROPRIATE APPROVAL.



**BALLARAT CITY COUNCIL**  
**YARROWEE - REDAN WETLANDS**  
**REDAN WETLANDS - SETOUT**

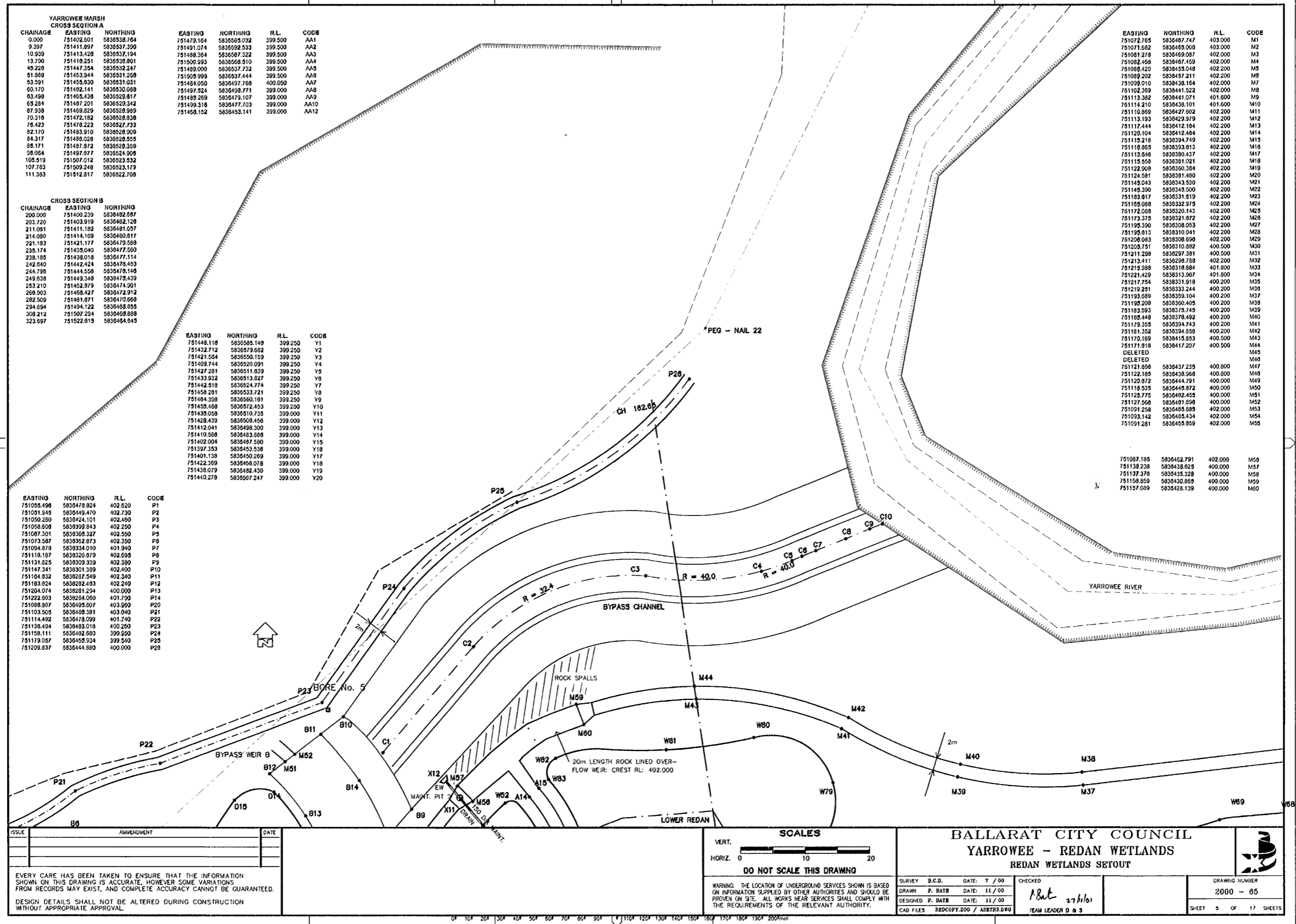
WARNING: THE LOCATION OF UNDERGROUND SERVICES SHOWN IS BASED ON INFORMATION SUPPLIED BY OTHER AUTHORITIES AND SHOULD BE PROVEN ON SITE. ALL WORKS NEAR SERVICES SHALL COMPLY WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY.

SURVEY B.C.D. DATE: 7 / 00  
DRAWN P. BATE DATE: 11 / 00  
DESIGNED P. BATE DATE: 11 / 00  
CAD FILES REDCOPY.ZOO / ASSET2.DWG

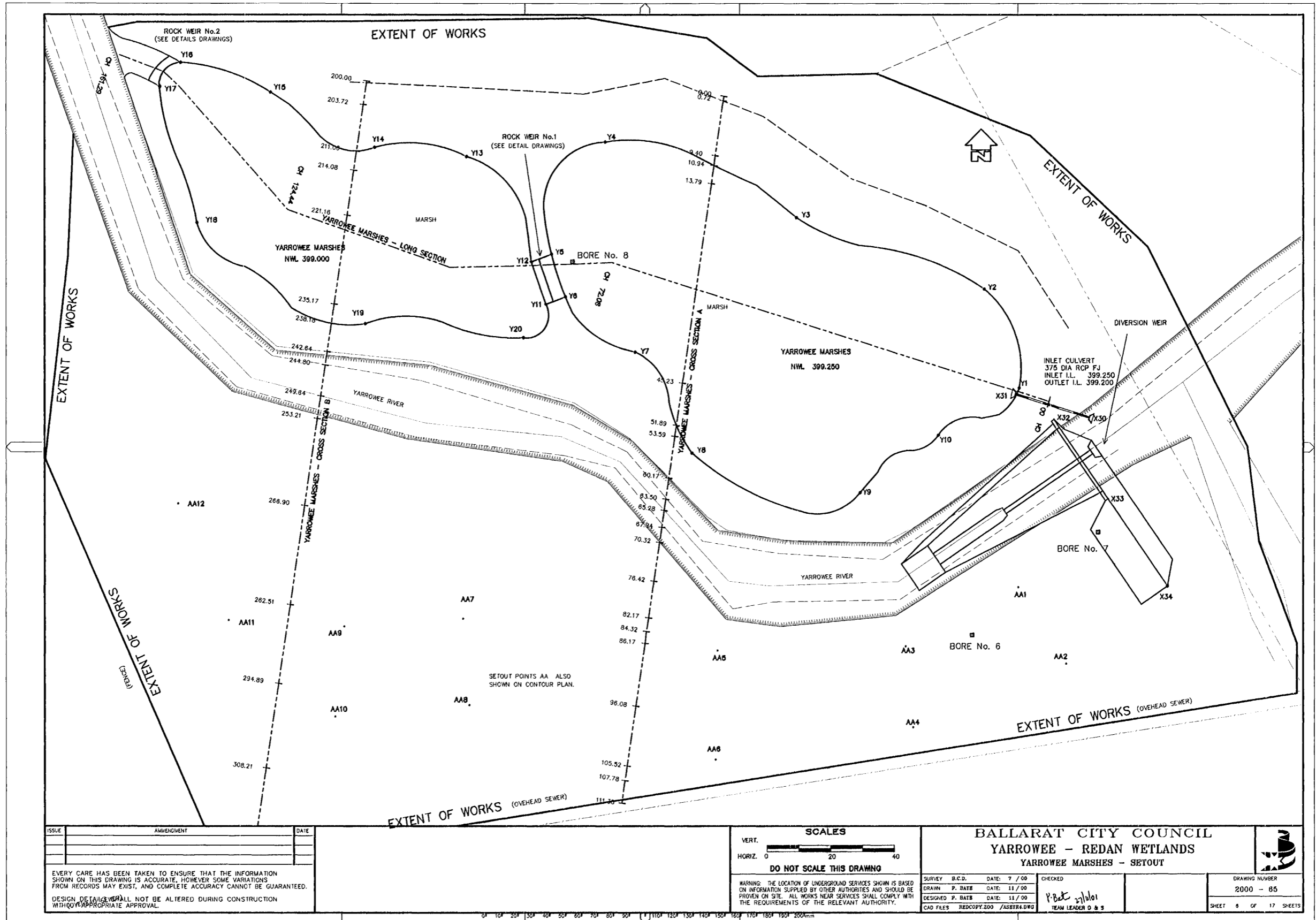
CHECKED P.B.T. 27/01  
TEAM LEADER D & S

DRAWING NUMBER 2000 - 65  
SHEET 4 OF 17 SHEETS

2000-65  
5 of 17



2000-65  
6 of 17



ISSUE	AMENDMENT	DATE

EVERY CARE HAS BEEN TAKEN TO ENSURE THAT THE INFORMATION SHOWN ON THIS DRAWING IS ACCURATE, HOWEVER SOME VARIATIONS FROM RECORDS MAY EXIST, AND COMPLETE ACCURACY CANNOT BE GUARANTEED. DESIGN DETAILS SHALL NOT BE ALTERED DURING CONSTRUCTION WITHOUT APPROPRIATE APPROVAL.

**SCALES**

VERT. 0 20 40  
HORIZ. 0 20 40

**DO NOT SCALE THIS DRAWING**

WARNING: THE LOCATION OF UNDERGROUND SERVICES SHOWN IS BASED ON INFORMATION SUPPLIED BY OTHER AUTHORITIES AND SHOULD BE PROVEN ON SITE. ALL WORKS NEAR SERVICES SHALL COMPLY WITH THE REQUIREMENTS OF THE RELEVANT AUTHORITY.

**BALLARAT CITY COUNCIL**  
**YARROWEE - REDAN WETLANDS**  
**YARROWEE MARSHES - SETOUT**

SURVEY B.C.D. DATE: 7 / 00  
DRAWN P. BATE DATE: 11 / 00  
DESIGNED P. BATE DATE: 11 / 00  
CAD FILES REDCOPY.200 / ASBTRK.DWG

CHECKED  
P. Bate 21/10/01  
TEAM LEADER D & S

DRAWING NUMBER  
**2000 - 65**

SHEET 6 OF 17 SHEETS