

# MINUTES

## CITY OF WOLLONGONG TRAFFIC COMMITTEE



MEETING HELD AT 9.15AM ON WEDNESDAY 12 SEPTEMBER 2018

### RECOMMENDATION

In accordance with the powers delegated to Council by the Road Transport Act 2013 and the Roads Act 1993, as outlined in the RMS document 'A guide to the Delegation to Councils for the Regulation of Traffic – including the operation of Traffic Committees':

- 1 The remaining Recommendations of the City of Wollongong Traffic Committee (excluding all Temporary Road Closures which require adoption by full Council), be adopted.
- 2 Appropriate persons and Departments be advised of Council's decisions.

MINUTES REVIEWED BY		
Author's Name	Author's Title	Date
Lindsay Dunstan	Traffic Engineer	-
David Wilson	Traffic Unit Manager (Acting)	-
Peter Nunn	Transport and Stormwater Services – Manager	3/10/18
Mike Dowd	Infrastructure Strategy and Planning – Manager	3/10/18
Greg Doyle	Director – Infrastructure and Works	3/10/18

### MINUTES ENDORSED BY

Items **1** and **5 - 15** to be adopted by the General Manager through delegated authority.  
Item **2- 4 and 16** of the meeting must be determined by Council and are recommended to Council for approval for the temporary regulation of traffic on public roads for works or events by independent parties.

Name	Title	Date
David Farmer	General Manager	4/10/18

## Wollongong City Council

Infrastructure, Strategy and Planning Division  
Transport and Stormwater

**The City of Wollongong Traffic Committee** is not a Committee of Wollongong City Council however a Technical Committee of the Roads & Maritime Services (RMS). The Committee operates under the authority conferred to Council by the RMS under the Transport Administration Act 1988. Council has resolved to manage the Traffic Committee under a Charter which sets out the membership, timelines for the preparation of the Agenda and the distribution of Minutes, in accordance with the RMS document 'A guide to the delegation to councils for the regulation of traffic' (including the operation of Traffic Committees.)

Council has been delegated certain powers, from the RMS, with regard to traffic matters upon its local roads. A condition of this delegation is that Council must take into account the Traffic Committee recommendations.

**There are four permanent members of the Traffic Committee, each of whom has a single vote only.**

- The members are representatives of the NSW Police Force, the Roads & Maritime Services, the Local State Member of Parliament (for the location of the issue to be voted upon), and a representative of Wollongong City Council.
- If the RMS or NSW Police Force disagrees with any Traffic Committee recommendation, or Council's resolution on any Traffic Committee recommendation, that member may lodge an appeal with the Regional Traffic Committee for determination. The appeal must be lodged in writing within 14 days of Council's resolution. Any action relative to any issue under appeal must cease until the matter is determined. The Regional Traffic Committee is chaired by an independent chairperson and submissions and representations are welcomed from all interested parties.

### IMPORTANT NOTE:

Council can only recommend that:

- 1 **The Traffic Committee recommendation be adopted.**
- 2 **The Traffic Committee recommendation not be adopted.**
- 3 **The Traffic Committee reconsider this issue.**

City of Wollongong Traffic Committee Meeting  
Wollongong City Council Administration Building  
Level 10 Committee Rooms 2 & 3  
Commencing at 9.15 am

# MINUTES

## CITY OF WOLLONGONG TRAFFIC COMMITTEE



9.15AM ON WEDNESDAY 12 SEPTEMBER 2018

PRESENT	
Lindsay Dunstan - Chairman	Wollongong City Council
Robert Gaudiosi	Wollongong City Council
Maria Plezer	Wollongong City Council
Danny Benedetti	Roads and Maritime Services
Snr Constable Andrew Cotton	NSW Police
David Cratchley	Premier Illawarra
Jon Granland	Premier Illawarra
Les Dion	Dion's Bus Service
Clementina Velasco – Road Safety Officer	Wollongong City Council

APOLOGIES	
N/A	

CONFIRMATION OF MINUTES OF MEETING HELD ON 8 AUGUST 2018.

BUSINESS ARISING – None.

The meeting concluded at 1pm

## GENERAL BUSINESS

	Suburb	Street(s)	Issue
1	EAST CORRIMAL	Murray Road and Parker Road	Installation of Stop Sign

## REGULATION OF TRAFFIC

	Suburb	Street(s)	Issue
2	BULLI	Owen Street	Street Party - Road Closure 1/12/18
3	WOLLONGONG	Endeavour Drive	Criterion Cycling Race - Road Closure 18/11/18
4	AVONDALE	Avondale Road	Level Crossing Closure - Road Closure 24/11/18 to 25/11/18

## DESIGN MATTERS

	Suburb	Street(s)	Issue
5	OTFORD	Station Road	No Stopping and Timed Parking Areas
6	WOONONA	Carrington and Campbell Street	Adjustments to Roundabout
7	FAIRY MEADOW	Cabbage Tree Lane and Vereker Street	Installation of Bus Shelter
8	WOLLONGONG	Keira Street	Turning Circle
9	WOLLONGONG	Rawson Street	Pedestrian Crossing Facility
10	UNANDERRA/CORDEAUX HEIGHTS	Staff and Central Road	Proposed Pedestrian Refuge
11	CRINGILA	Sheffield and Jarvie Road	Kerb Blisters, Signage and Line Marking

## LATE ITEMS

	Suburb	Street(s)	Issue
12	WOONONA	Campbell Street	Bus Zone Sign Request
13	WOONONA	Lighthorse Dive	Bus Zone Sign Request
14	WOONONA	Princes Highway	Bus Zone Extension
15	BULLI	Ursula Road	Change to Parking Restrictions
16	WOLLONGONG	Keira Lane	Road Closure –Victoria and Smith Streets Wollongong

## GENERAL BUSINESS

### 1 EAST CORRIMAL – WARD 1

Parker Road and Murray Road – Installation of Stop Sign.

#### **Background:**

A resident has requested that Council consider improvements to traffic safety at the intersection of Parker and Murray Road East Corrimal.

It was originally suggested that parking be removed in Murray Road but an assessment of the area shows that parking demand is high and removing kerbside parking would be undesirable. This intersection operates under the default give way requirements at T Junctions and as sight distance could be limited it may be appropriate to install a stop sign for Parker Road traffic.

#### **Consultation:**

No consultation was required for this Agenda item.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Install a stop sign and associated line marking in Parker Road at the intersection of Murray Road East Corrimal.

## REGULATION OF TRAFFIC

### 2 BULLI – WARD 1

Owen Street – Street Party on Saturday 1<sup>st</sup> of December 2018.

#### **Background:**

The residents of Owen Street have signed an application for a temporary road closure on 1<sup>st</sup> of December 2018 between 2 and 7pm to permit a street party to be held.

The closure is to be similar to previous years and will take effect between Franklin Avenue and Waterloo Street. This event has not resulted in any complaints or incidents and accordingly the event is supported. Upon request Council will normally supply the required barriers and signs and for that reason a formal traffic management plan is not required from the applicant.

#### **Consultation:**

Consultation with the immediate community has been carried out prior to the application being lodged.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

The road closure proposed for Owen Street Bulli on Saturday 1<sup>st</sup> of December be approved subject to Council's standard conditions for street parties. (Attachment 2).

### 3 ENDEAVOUR DRIVE – WARD 2

Endeavour Drive – Wollongong Criterium on Sunday the 18<sup>th</sup> of November 2018.

#### **Background:**

Cycling NSW has applied to Council for a road closure of Endeavour Drive, Wollongong for the cycling race the Wollongong Criterium to be held on Sunday the 18<sup>th</sup> of November 2018. The closure will take place between 5am and 4pm on the day.

The closure of Endeavour Drive will require drivers using the roadways around Wollongong Harbour to exit and enter via the carpark on Cliff Road. The organisers will be required to maintain traffic controls on the one way section so that two way traffic flows can proceed safely during the road closure.

The organisers will need to contact NSW Lands to advise of the event and changes to traffic movement within the Wollongong Harbour precinct.

The event will also require formal approval from NSW Police as it a cycling race on a public road. NSW Police representative has requested that vehicle mitigation be considered as part of this proposal.

**Consultation:**

Consultation with the Community and the businesses in the Wollongong Harbour area is a condition of approval for this event.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure of Endeavour Drive on Sunday the 18<sup>th</sup> of November 2018 be approved subject to:

- a) Council's standard conditions for road closure (Attachment 1) and
- b) The amended Traffic Management Plan, (Attachment 3);
- c) The addition of traffic controls within the one way section of the Wollongong Harbour roadway. (Attachment 3);
- d) Police approval for the cycleway race on the road, including details of vehicle mitigation in an amended Traffic Management Plan.

**4 AVONDALE- WARD 2**

Avondale Road – 24<sup>th</sup> and 25<sup>th</sup> of November 2018 Closure of rail level crossing.

**Background:**

Avondale Road is to be closed from 6am Saturday the 24<sup>th</sup> of November 2018 and 6pm on Sunday the 25<sup>th</sup> of November 2018. The work will be taking advantage of a scheduled rail closure for the Illawarra Line and as it covers the normal weekend disruption to local traffic and bus services should be minimised.

The traffic management plan submitted shows a diversion via Huntley Road for buses and through traffic; local traffic will be permitted up to the closures on the level crossing itself.

**Consultation:**

Consultation with the Community is a condition of this road closure.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure of the level crossing on Avondale Road be approved for the 24<sup>th</sup> and 25<sup>th</sup> of November 2018 subject to Council's standard conditions for road closures (Attachment 1) and the submitted Traffic Management Plan. (Attachment 4).

## DESIGN MATTERS

### 5 OTFORD – WARD 1

Station Street – Linemarking and parking restrictions.

#### **Background:**

Council has prepared plans for the second stage of the project to upgrade Station Road Otford adjacent to Otford Public School. The upgraded section of roadway is designed to permit parents to stop and collect or drop off students on either side of the road outside Otford Public School during school zone times. The new turning area at the northern end of the new work is to be marked appropriately as No Stopping.

#### **Consultation:**

Consultation is part of the design process for this project.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Plan Number 5824\_C107\_A be approved. (Attachment 5).

### 6 WOONONA – WARD 1

Carrington and Campbell Streets – adjustments to existing roundabout.

#### **Background:**

The existing roundabout at the intersection of Carrington and Campbell Streets Woonona does not require north bound drivers to divert significantly to the left to negotiate the roundabout. This leads to unnecessarily high traffic speeds and to correct the problem a kerb blister island is proposed on each approach to the roundabout on Carrington Street.

As Carrington Street is a well used cycling route the implications for cyclists negotiating the additional blister island have been considered. The design meets the Australian Standards and Carrington Street is subject to a local 40kph speed limit. This should permit cyclists to approach the roundabout in the middle of the travel lane and to then proceed safely. A cycling symbol is proposed for the travel lanes in Carrington Street to convey the message that cyclists are likely to be encountered.

#### **Consultation:**

Consultation is part of the design process for this project.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Plan Number 6394\_SK01\_1 be approved. (Attachment 6).

### 7 FAIRY MEADOW- WARD 2

Installation of bus shelter on Vereker Street adjacent to property at 27A Cabbage Tree Lane.

#### **Background:**

The existing bus stop on Vereker Street has been identified to be upgraded from a seat to a shelter as part of the city wide program. The concept design currently proposes to remove one parking space in front of the existing shops in order to allow a bus to pull in parallel the proposed shelter. The existing bus zone is only 15m long which is insufficient space for a bus to draw in alongside the kerb. Increasing the bus zone length to 21m will facilitate this movement and ensure compliance with Disability Standards for Accessible Public Transport 2002 at the boarding point.

The proposed changes will retain one parking space adjacent to the shops. It is noted that there are other on street parking options available on the opposite side of Vereker Street and Cabbage Tree Lane in addition to off street parking behind the shops

#### **Consultation:**

Consultation is a requirement of the design process.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Plan Number 6403 SK01-11 be approved. (Attachment 7).

8 **WOLLONGONG- WARD 2**  
Keira Street - .Turning Circle

**Background:**

Council has prepared plans to construct a turning circle at the Smith Street end of Keira Street to permit drivers to make a U-turn prior to reaching the one way south bound travel lane into Smith Street. In the past a number of driveways have allowed vehicles to turn and utilise the parking on the western side of Keira Street but this arrangement is no longer desirable. It is also proposed to remove the double centre line due to low traffic volumes in this part of Keira Street.

**Consultation:**

Consultation is a requirement of the Design process.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The plans to install a turning circle in Keira Street immediately south of Smith Street be approved subject to the addition of a Sign "No U Turn Vehicle above 6 meters". (Attachment 8).  
It is requested that a No U Turn vehicles over 6 meters be included.

9 **WOLLONGONG- WARD 2**  
Rawson Street and Railway Parade – Pedestrian Crossing Facility.

**Background:**

Council has prepared plans to provide a new pedestrian refuge crossing facility on Rawson Street, Wollongong. The project will involve changes to parking restrictions in Rawson Street and in Railway Parade. It will also improve pedestrian safety in the area. A give way sign and hold line is also required at the intersection of Railway Parade and Rawson Street .

**Consultation:**

Consultation is a requirement of the design process for this project.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan Number 6099\_ SKO8\_1 be approved subject to the addition of a give way sign and hold line at the intersection of Railway Parade and Rawson Street. (Attachment 9).

10 **UNANDERRA- WARD 3**  
Staff and Central Roads - Proposed pedestrian refuge island to provide safer crossing facilities to reduce traffic speed

**Background:**

Council has prepared plans for a median refuge crossing facility at the intersection of Staff and Central Roads. There is a pedestrian demand for a crossing at this point and the facility if expected to assist in reducing traffic speeds to improve pedestrian safety further.

The bus representative has requested that bus zone signs be installed on the northern side of Staff Road as part of this project. This will also require No Stopping sign posting to the intersection with Central Road.

**Consultation:**

Consultation is a requirement of the Design process.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan Number 6369\_SK01\_1 be approved subject to the addition of a formal bus zone to replace the bus stop in Staff Road on the approach to Central Road, including the standard 10 meters no stopping from the previous intersection. (Attachment 10).



## 11 CRINGILA - WARD 3

Sheffield and Jarvie Road – Kerb blisters, Signage and Line Marking.

### **Background:**

The existing guardrail barrier along Jarvie Road at the end of Sheffield Street is considered a hazard as there are no crash-worthy terminals and it is not a continuous system, with gaps in the barrier.

An investigation into replacing the barrier determined that this would offer very little to no protection for out of control vehicles travelling from Sheffield Street through the intersection, due to the angle of the impact.

In order to replace the guardrail it is proposed to install a kerb blister island on Jarvie Road adjacent to the existing guardrail, where the kerb is designed to redirect any vehicle which might come in contact after losing control on the steep gradient of Sheffield Street.

Hazard marker signage will be provided in place of the guardrail along Jarvie Road.

### **Consultation:**

Consultation is a requirement of the design process.

...

### **PROPOSAL SUPPORTED UNANIMOUSLY**

Plan 6011\_SK01-3\_1 be approved. (Attachment 11).

## LATE ITEMS

## 12 WOONONA – WARD 1

Campbell Street – Bus Zone Sign Request

### **Background:**

The bus representative has requested that bus zone signage be installed in Campbell Street east of Haddon Lane where there is an existing bus stop. The new bus zone is to be located between the western side of the driveway to 146 Campbell Street and will extend for 20 meters east.

### **Consultation:**

As this is an existing bus stop consultation is not required.

### **PROPOSAL SUPPORTED UNANIMOUSLY**

Replace the existing bus stop with a bus zone on Campbell Street 20 meters in length to extend from the western side of the driveway to No 146 Campbell Street.

## 13 WOONONA – WARD 1

Lighthorse Drive – Bus Zone Sign Request

### **Background:**

The bus representative has requested that bus zone signage be installed in east of Railway Parade where there is an existing bus stop. The new bus zone is to be located between the statutory no stopping and the driveway of Number 41 Railway Parade, Woonona.

### **Consultation:**

As this is an existing bus stop consultation is not required

### **PROPOSAL SUPPORTED UNANIMOUSLY**

The existing bus zone in Lighthorse Drive be replaced with a bus zone from a point 10 meters from Railway Parade to the driveway at the Lighthorse Drive access to 41 Railway Parade. No stopping restrictions are also to be installed between the bus zone and Railway Parade.

## 14 WOONONA – WARD 1

### Princes Highway – Bus Zone Extension

#### **Background:**

The bus representative has requested that the bus zone on the Princes Highway southbound immediately south of Russell Street be extended for 5 meters. The existing 1 hour parking is to be removed to accommodate these changes.

The existing bus seat is to be relocated at the new bus zone sign location.

#### **Consultation:**

A notification letter is to be sent to the business owner where the seat will be relocated.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Extend the existing south bound bus zone on the Princes Highway immediately south of Russell Street in Woonona by a distance of 5 metres.

## 15 BULLI – WARD 1

### Ursula Road – Change to Parking Restrictions

#### **Background:**

The Principal at Waniora Public School has requested that the existing unrestricted parking outside the school frontage be changed to 15 minute parking and a pick up and drop off zone. These changes are to allow for a efficient turnover of vehicles at the start and finish of school.

The no parking area will be 30 meters in length and extend from the existing No Stopping restrictions west of the pedestrian crossing facility. The 15 minute parking restrictions will then replace the unrestricted parking for the remainder of the school frontage to the eastern boundary of No 19 Ursula Road.

#### **Consultation:**

Consultation with the school has already taken place.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Install:

- a) 30 metres of no parking restrictions extending westward from the existing No Stopping sign to be timed for school zone times;
- b) 15 minute parking restrictions from the end of the No Parking (a) Above) to the eastern boundary of No 19 Ursula Road to be timed for school zone times

## 16 WOLLONGONG – WARD 2

### Keira Lane – Road Closure from 31 October 2018 to 31 March 2018 between Victoria and Smith Streets.

#### **Background:**

Subsequent to the Traffic Committee Meeting on 12 September 2018 the developer for the site on the north west corner of Keira Lane and Victoria Street Wollongong has requested a road closure of Keira Lane for the duration of site works. The proposed closure will not affect access to the properties to the north off Smith Street and there is no significant through traffic. In addition the Lane is a Shared Zone which has discouraged through traffic.

The road closure is to be from 31 October 2018 to 31 March 2019 and details have been circulated to Traffic Committee members. The Police and NSW Roads and Maritime Services representatives have no objections to the proposal.

#### **Consultation:**

Consultation with the affected property owners is a requirement of approval for this item.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure of Keira Lane Wollongong be approved between Victoria and Smith Streets from 31 October 2018 to 31 March 2019 subject to the submitted Traffic Management Plan (Attachment 12) and Council's standard conditions for road closures. (Attachment 1).

Minutes to be confirmed at the next meeting to be held at 9.15am on 10 October 2018.

## 2018 Traffic Committee Meetings

<b>Wednesday 10 October 2018</b>	<b>Administration Building, Level 10, Rooms 2 and 3</b>	<b>9.15am – 12.00pm</b>
<b>Wednesday 14 November 2018</b>	<b>Administration Building Level 9 Function Room</b>	<b>9.15am – 12.00pm</b>

## Attachment 1 – Standard Conditions for Road Closures

### **Standard Conditions for Road Closures**

#### **For Special Events and Work Related activities Within Council Road Reserves.**

Following approval by Wollongong City Council, road closures are subject to the additional Council conditions:

1. **The Applicant must complete the Council form 'Application to Open and Occupy or Underbore a Roadway or Footpath'** (Refer to Checklist below – relates to Section 138 of the Roads Act.)
2. **NSW Police Approval:** The Applicant must obtain written approval from NSW Police, where required under the Roads Act.
3. **If the Road Closure is within 100m of any traffic control signals or on a 'State Classified Road'** the Applicant must obtain a Road Occupancy Licence (ROL) from NSW Roads & Maritime Services (RMS).
4. **The Applicant must advise all affected residents and business owners within the closure area of the date/s and times for the closure, at least 7 days prior to the intended date of works.**
5. **The Applicant must advise Emergency Services: Ambulance, Fire Brigade and Police, Taxi and Bus Companies of the closure dates and times in writing, 7 days prior to the intended date of works. The Applicant must endeavour to minimise the impact on bus services during the closure.**
6. **Traffic Management Plan:** The closure must be set up in accordance with the approved Traffic Management Plan (TMP) prepared by an appropriately qualified traffic controller; a copy of whose qualifications must be included with the submitted TMP.
7. **Traffic Management Plan Setup:** The Traffic Management Plan must be set up by appropriately qualified traffic control persons or the NSW Police.
8. **Access to properties affected by the road closure must be maintained where possible. Where direct access cannot be achieved, an alternative arrangement must be agreed to by both the applicant and the affected person/s.**
9. **Public Notice Advertisement:** The Applicant must advertise the road closure in the Public Notices section of the local paper, detailing closure date/s and times at least 7 days prior to the closure.
10. **Public Liability Policy:** The Applicant must provide Council with a copy of their current insurance policy to a value of no less than \$20 million dollars to cover Wollongong City Council from any claims arising from the closure.

#### **Checklist:**

- ☒ **Completed Council Form:**

*'Application to Open and Occupy or Underbore a Roadway or Footpath'.*

#### **Required information as shown below MUST be attached:**

- ☒ A copy of the letter from the Traffic Committee authorising the closure
- ☒ The Traffic Management Plan (TMP)
- ☒ The Road Occupancy Licence (ROL) *if required*
- ☒ Written approval from NSW Police
- ☒ Public Liability Insurance

**Applications may be lodged in the Customer Service Centre located on the Ground Floor of Council's Administration Building, 41 Burelli Street Wollongong between 8.30am and 5pm Monday to Friday.**



Attachment 1 of 2 – Standard Conditions for Street Parties

## STANDARD CONDITIONS FOR ROAD CLOSURES FOR STREET PARTIES

- 1 Each road affected by the closure approval shall be restored to full and uninterrupted traffic flow prior to the end of the closure.
- 2 The road shall be cleared sufficiently to allow an emergency vehicle access to a property within the closure area. For this reason, no barbeques, heavy tables or other heavy equipment is to be set up on the road pavement.
- 3 You are required to advertise the road closure in the local newspaper  
  
E.g. Temporary Road Closure – Larkins Lane, Yallah  
Date: 18 December 2015  
Time: 2 pm – 7 pm  
Event: Street Party
- 4 Council will notify emergency services and the Police Service.
- 5 NSW Police Service directions are to be strictly adhered to.
- 6 Council will endeavour to make available to you the following equipment for the closure

Regular Street Equipment Requirements	Cul - De - Sac Street Equipment Requirements
6 Barrier legs	3 Barrier legs
12 Road Barriers	6 Road Barriers
2 Road Closed Signs	1 Road Closed Signs
4 Flashing Lights	2 Flashing Lights

It should be noted that Council does not supply 9 volt batteries for flashing lights, however batteries can be made available for approximately \$3.40 each.

The flashing lights must be fixed to the barriers and operating prior to sunset.

It is your responsibility to collect this equipment from Council's Works Depot Store, Montague Street, North Wollongong, prior to 2.00 pm on the last working day prior to your proposed road closure, and return same on the next working day following the closure. Please ensure you sign a receipt when collecting and returning this equipment.

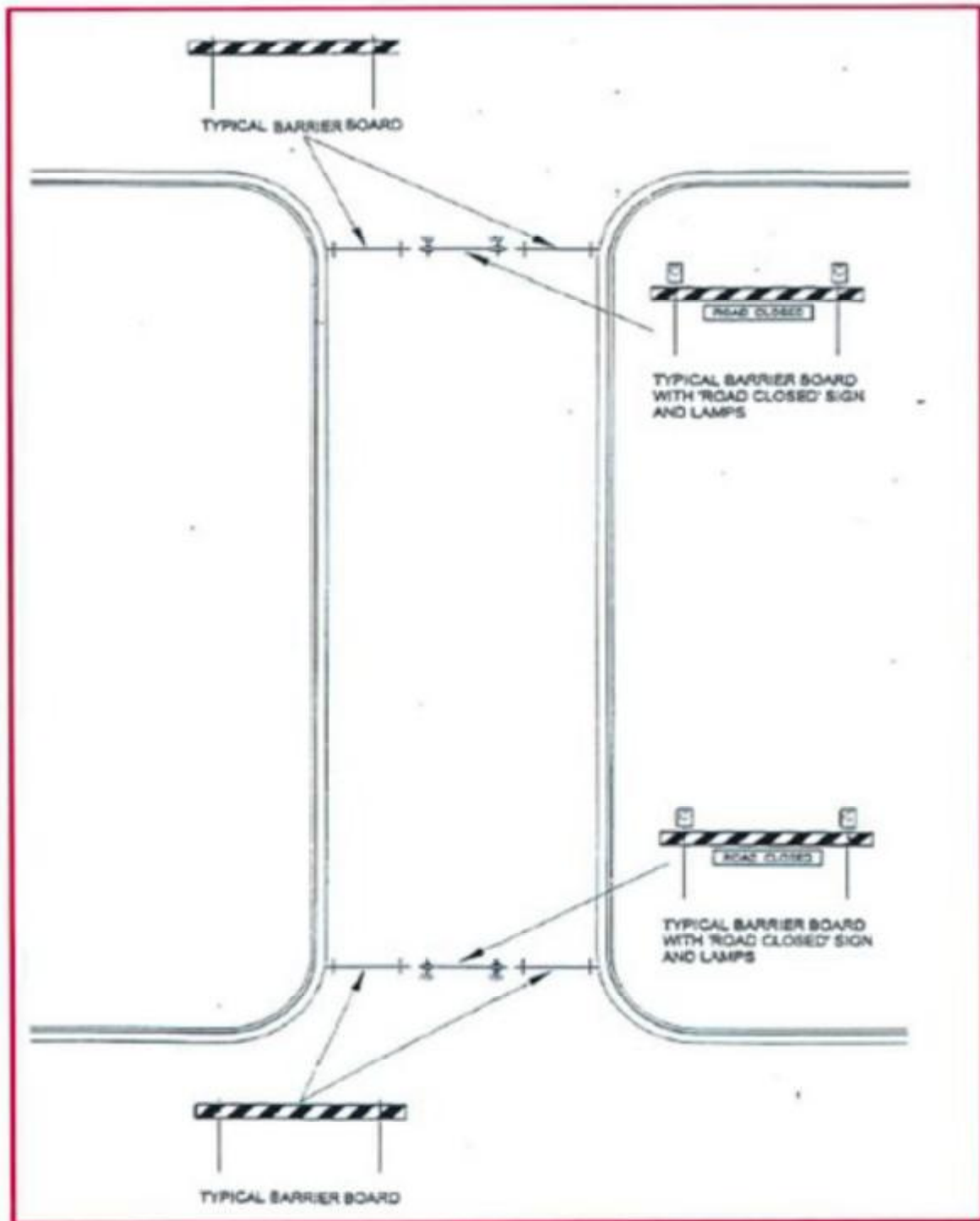
Equipment, which is returned damaged beyond use or not returned at all, will be replaced at your cost.

A sufficient number of people (at least 2), together with a vehicle suitable for the purpose of transporting the relevant equipment, are to be provided by the organisers for the loading and unloading of this equipment at the Depot.

- 7 You are requested to email Council's Events and Functions Coordinator [events@wollongong.nsw.gov.au](mailto:events@wollongong.nsw.gov.au) two weeks prior to pick-up to ensure availability of the equipment.
- 8 If Council's Store does not have sufficient equipment to lend, you are to obtain equipment from another source (e.g. hire firm), at your expense.

Attachment 2 of 2 – Standard Conditions for Street Parties

## TYPICAL ROAD CLOSURE SET UP FOR STREET PARTIES

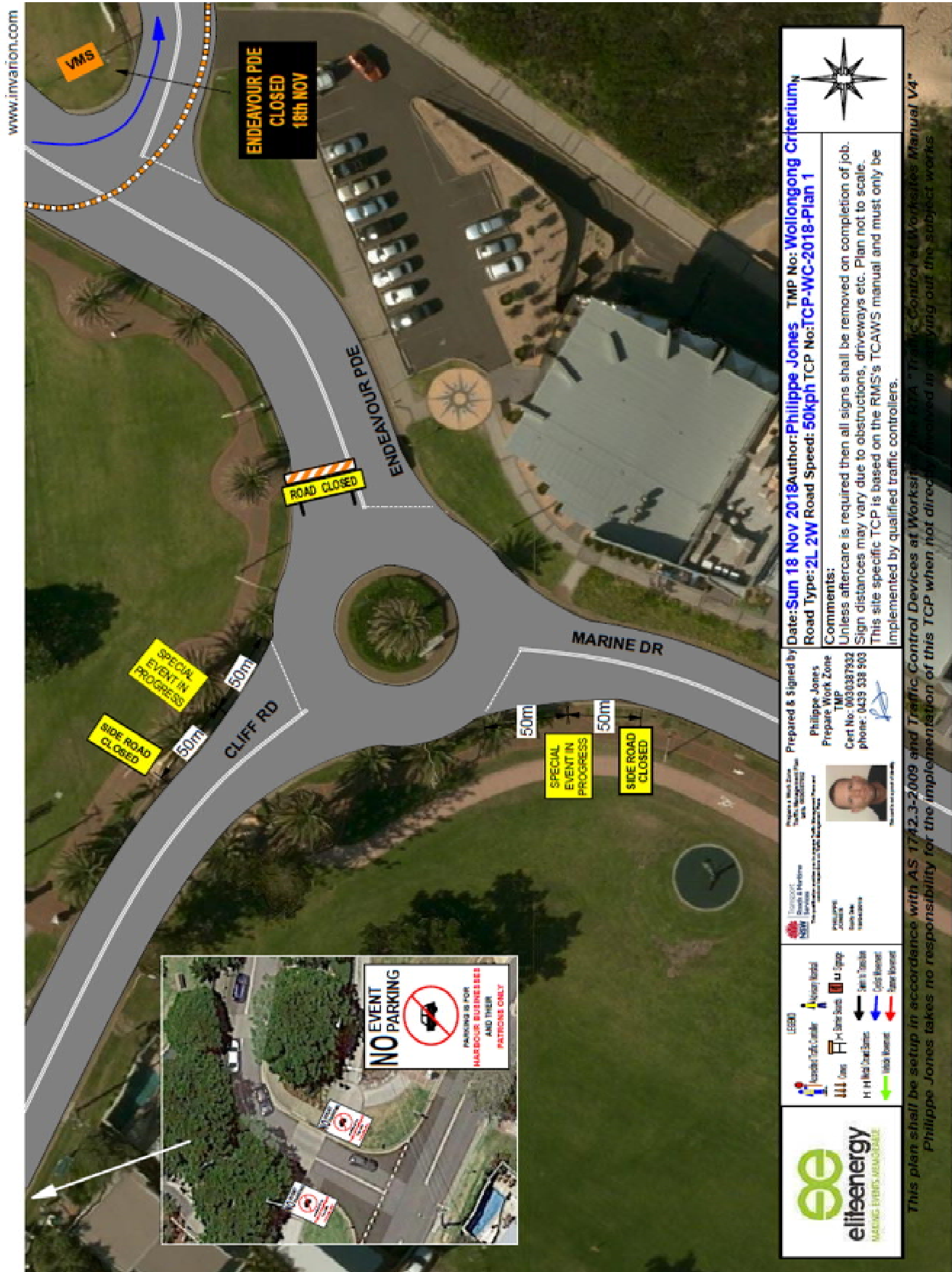


Attachment 3  
Endeavour Drive- Wollongong Criterium Sunday 18<sup>th</sup> November





## Attachment 3 Endeavour Drive- Wollongong Criterium Sunday 18<sup>th</sup> November





This plan shall be setup in accordance with AS 1742.3-2009 and Traffic Control Devices at Worksites The RTA "Traffic Control at Worksites Manual V4" implemented by quantico units contractors.

## Attachment 3

Drive- Wollongong Criterium Sunday 18<sup>th</sup> November





# Avondale Rd Penrose Rail Crossing

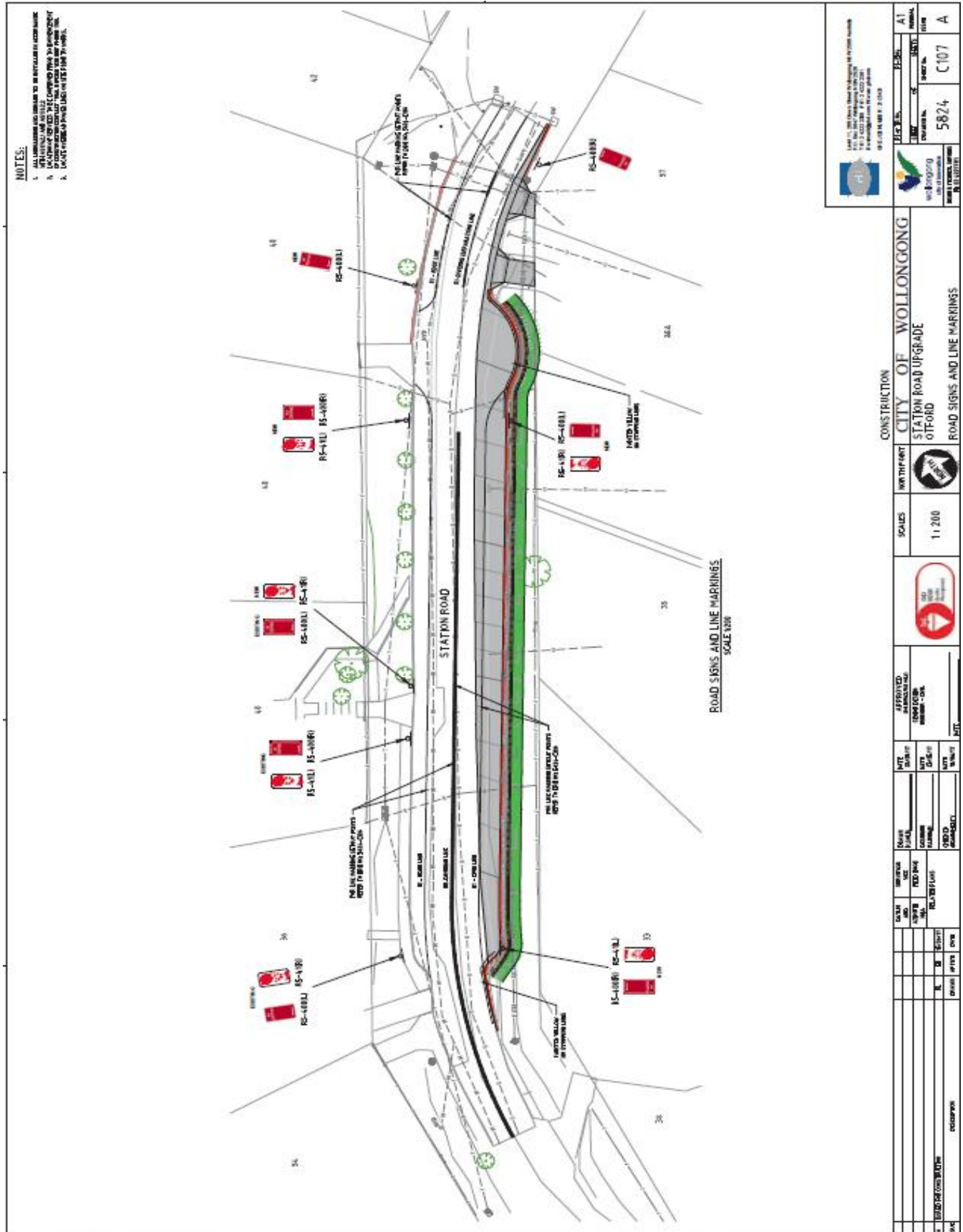
**GENERAL NOTES**

This site specific TCP is based on RMS TCAMS Manual and is to be setup and parked up by qualified traffic controllers with current introduction to Traffic Control at Penrose's (Yellow Card) any modifications made to this site specific TCP should be made by qualified personnel with current Select and Modify (Red Card) or Design and Inspect (Orange Card) all modifications to be signed off on this TCP along with certification number. Plan shown is the property of Platinum Traffic Services.

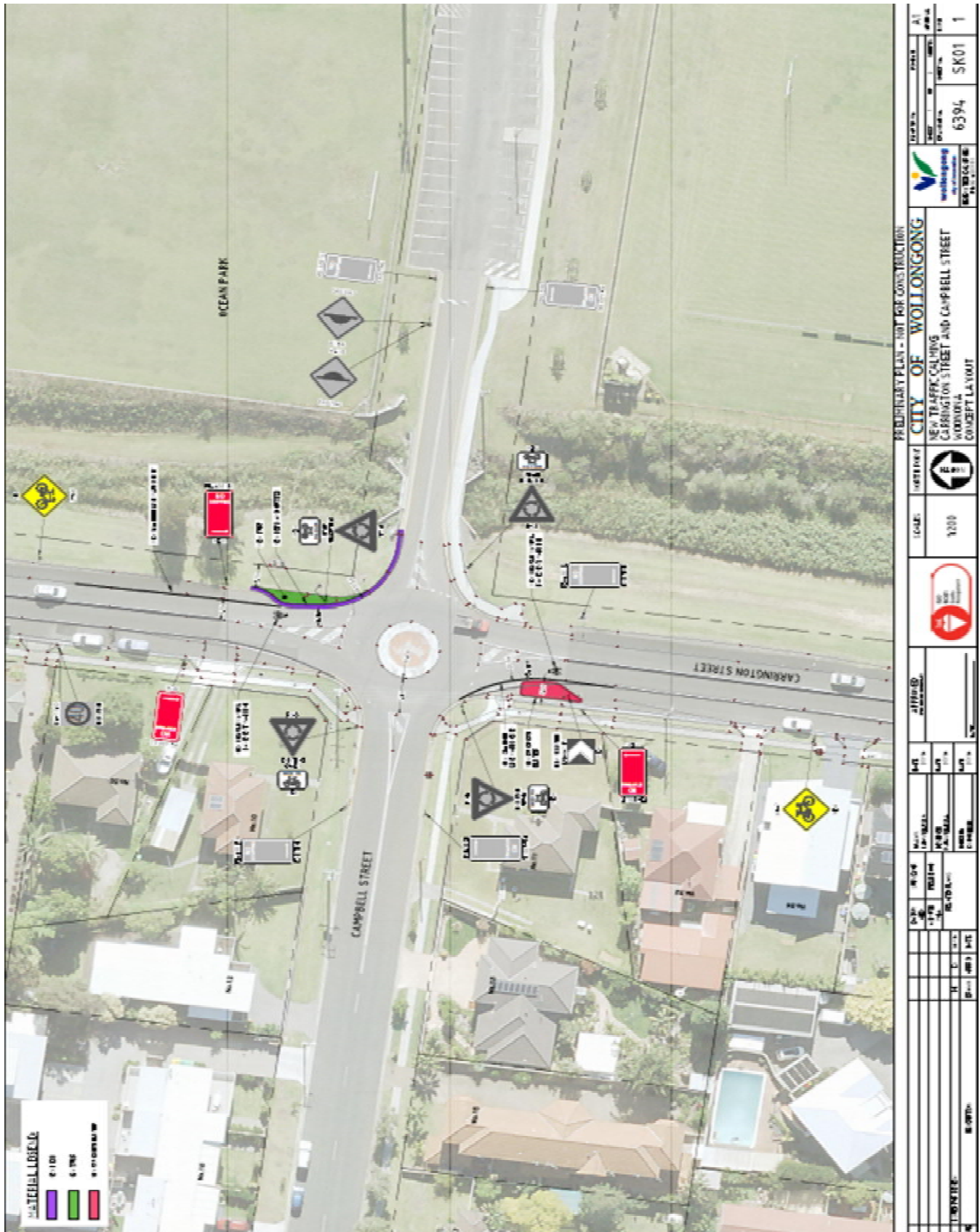
**RECOMMENDED TAPE LENGTH**

TRAFFIC APPROXIMATE SPEED OF TRAFFIC (KPH)	APPROXIMATE TAPE LENGTH (M)
40 OR LESS	15
46-55	15
56-65	20
66-75	25
76-85	30
86-95	35
96-105	40
106-115	45
116-125	50
126-135	55
136-145	60
146-155	65
156-165	70
166-175	75
176-185	80
186-195	85
196-205	90
206-215	95
216-225	100
226-235	105
236-245	110
246-255	115
256-265	120
266-275	125
276-285	130
286-295	135
296-305	140
306-315	145
316-325	150
326-335	155
336-345	160
346-355	165
356-365	170
366-375	175
376-385	180
386-395	185
396-405	190
406-415	195
416-425	200
426-435	205
436-445	210
446-455	215
456-465	220
466-475	225
476-485	230
486-495	235
496-505	240
506-515	245
516-525	250
526-535	255
536-545	260
546-555	265
556-565	270
566-575	275
576-585	280
586-595	285
596-605	290
606-615	295
616-625	300
626-635	305
636-645	310
646-655	315
656-665	320
666-675	325
676-685	330
686-695	335
696-705	340
706-715	345
716-725	350
726-735	355
736-745	360
746-755	365
756-765	370
766-775	375
776-785	380
786-795	385
796-805	390
806-815	395
816-825	400
826-835	405
836-845	410
846-855	415
856-865	420
866-875	425
876-885	430
886-895	435
896-905	440
906-915	445
916-925	450
926-935	455
936-945	460
946-955	465
956-965	470
966-975	475
976-985	480
986-995	485
996-1005	490
1006-1015	495
1016-1025	500
1026-1035	505
1036-1045	510
1046-1055	515
1056-1065	520
1066-1075	525
1076-1085	530
1086-1095	535
1096-1105	540
1106-1115	545
1116-1125	550
1126-1135	555
1136-1145	560
1146-1155	565
1156-1165	570
1166-1175	575
1176-1185	580
1186-1195	585
1196-1205	590
1206-1215	595
1216-1225	600
1226-1235	605
1236-1245	610
1246-1255	615
1256-1265	620
1266-1275	625
1276-1285	630
1286-1295	635
1296-1305	640
1306-1315	645
1316-1325	650
1326-1335	655
1336-1345	660
1346-1355	665
1356-1365	670
1366-1375	675
1376-1385	680
1386-1395	685
1396-1405	690
1406-1415	695
1416-1425	700
1426-1435	705
1436-1445	710
1446-1455	715
1456-1465	720
1466-1475	725
1476-1485	730
1486-1495	

## Attachment 5 Station Street – Linemarking and parking restrictions



Attachment 6  
 Carrington and Campbell Streets – adjustments to existing roundabout.

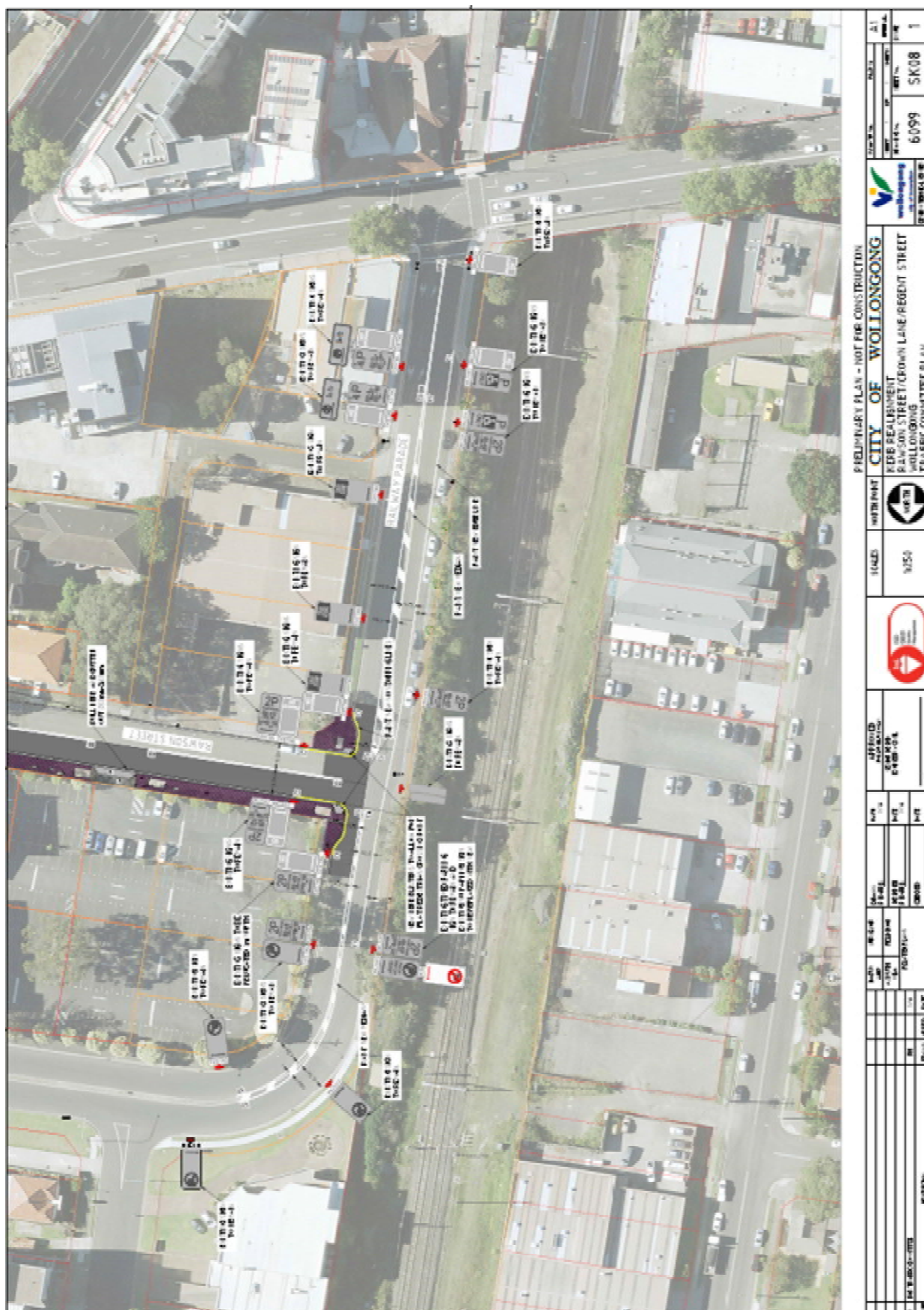








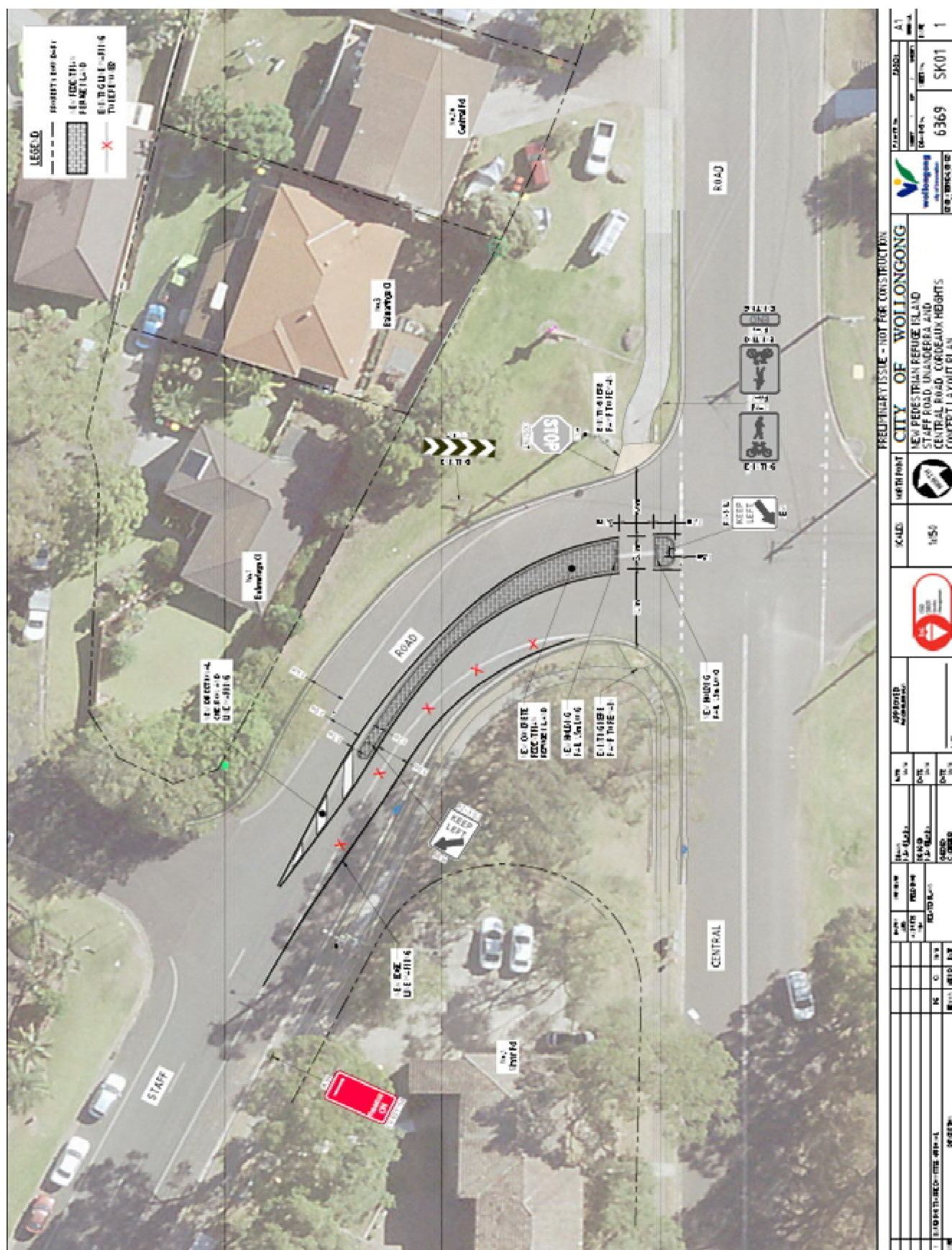
Attachment 9  
Rawson Street and Railway Parade – Pedestrian Crossing Facility





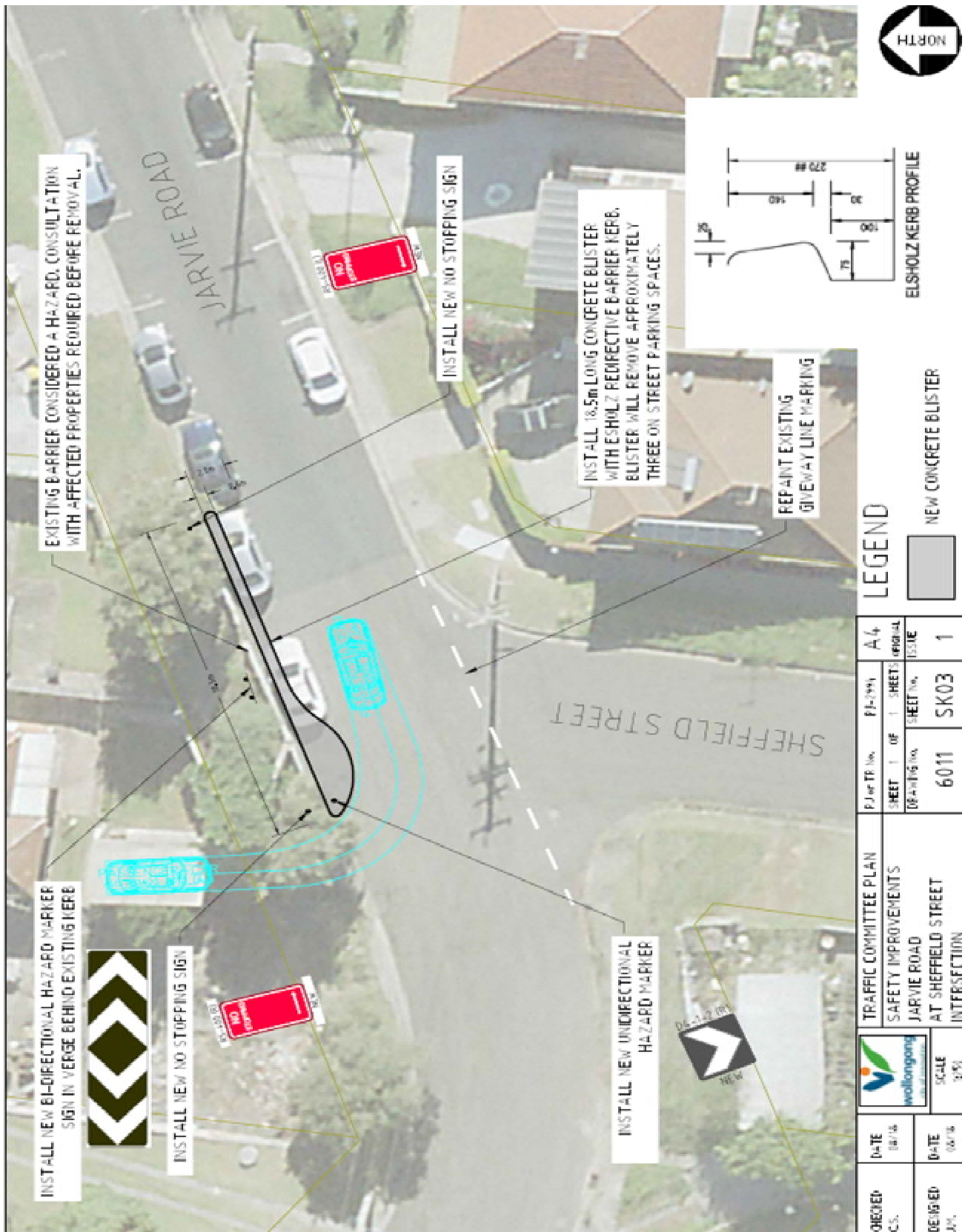
## Attachment 10

New Pedestrian Refuge Island Staff Road, Unanderra and Central Road Cordeaux Heights



## Attachment 11

### Sheffield and Jarvie Road – Kerb blisters, Signage and Line Marking



## Attachment 12

Keira Lane – Road Closure 31 October 2018 to 31 March 2019 – Victoria and Smith Street Wollongong

