

# MINUTES

## CITY OF WOLLONGONG TRAFFIC COMMITTEE



9.25AM ON WEDNESDAY 16<sup>TH</sup> SEPTEMBER 2015

### 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	Signature	Date
Lindsay Dunstan	Committee Chairman Traffic Unit Manager - <i>Acting</i>		
Ted Collins	Transport and Stormwater Services Manager - <i>Acting</i>		
Tim Cornford	Infrastructure Strategy and Planning Manager - <i>Acting</i>		
Mike Hyde	Director – Infrastructure and Works		

### MINUTES ENDORSED BY

Name	Title	Signature	Date
David Farmer	General Manager		

## 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 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



9.25AM ON WEDNESDAY 16<sup>TH</sup> SEPTEMBER 2015

PRESENT	
Lindsay Dunstan – Chairman	Wollongong City Council
Snr Constable Andrew Cotton	NSW Police
Danny Benedetti	Roads & Maritime Services NSW
Les Dion	Premier Illawarra
Reg Jago	Representing Noreen Hay MP
Neil McCormack	Representing Lee Evans MP

IN ATTENDANCE	
Debra Nicholls - Administration Officer	Wollongong City Council
Jen Nolan – Engineering Cadet	Wollongong City Council
Naomi Reid – Road Safety Officer	Wollongong City Council

APOLOGIES	
Jenelle Rimmer	Representative for Ryan Park MP

### CONFIRMATION OF MINUTES OF MEETING HELD ON 19 AUGUST 2015.

#### GENERAL BUSINESS

	Suburb	Street(s)	Issue
1	BULLI	Spinners Way	Traffic safety concerns
2	WOLLONGONG	Atchison & Burelli Streets	Revised signage required
3	WARRAWONG	Shellharbour Road	New Parking Restrictions

## REGULATION OF TRAFFIC

	Suburb	Street(s)	Issue
4	HELENSBURGH TO WINDANG	Appin Road and the M1	Camp Quality Convoy Sunday 18 <sup>th</sup> November 2015
5	BULLI	Owen Street	Street Party Road Closure 5 <sup>th</sup> December 2015
6	WOONONA	Watergum Way	Major Concrete Pours
7	WEST WOLLONGONG	Lexburn Avenue	Street Party Road Closure 18 <sup>th</sup> December 2015
8	WOLLONGONG	Crown Street, Marine Drive	Tri the Gong Festival 5 <sup>th</sup> – 6 <sup>th</sup> March 2016
9	PORT KEMBLA	Wentworth Street	Billy Cart Derby 28 <sup>th</sup> November 2015

## DESIGN MATTERS

	Suburb	Street(s)	Issue
10	THIRROUL	Raymond Road	Pedestrian Crossing
11	RUSSELL VALE	Terania Street	School Crossing
12	LAKE HEIGHTS	Northcliffe Drive	Pedestrian Crossing Lake Heights Public School
13	BERKELEY	Nolan Street	Pedestrian Crossing
14	BERKELEY	Northcliffe Drive	Pedestrian Crossing Illawarra Sports High School
15	WINDANG	Oakland Avenue	Kerb Extensions and improvements to crossing near Windang Public School

## INFORMAL ITEMS (TRAFFIC ENGINEERING ADVICE ONLY)

16	VARIOUS SUBURBS	WARATAH MARCH	DECEMBER 2015
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## GENERAL BUSINESS

### 1 BULLI

Spinners Way

#### **Background:**

A concerned resident of Ursula Road Bulli has written to Council regarding traffic in Spinners Way. It appears that some drivers ignore the one way restrictions and drive the wrong direction leading to concerns for the safety of other drivers. The signage at the entrance and exit to Spinners Way can be duplicated so that drivers are more clearly aware of the restrictions.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Install:

- a) an additional 'One Way' sign at the intersection of Spinners Way and Ursula Road
- b) an additional 'No Entry' sign and One Way sign at the intersection of Spinners Way and Franklin Avenue
- c) a pavement arrow at each end of Spinners Way

### 2 WOLLONGONG

Atchison & Burelli Streets

#### **Background:**

The Highway Patrol have reported that some drivers are making a right turn into Burelli Street from Atchison Street when travelling north, rather than observing the All Traffic Left restrictions. This appears to be occurring now that the roundabout at Auburn and Burelli Street has been replaced with Traffic Signals and a U-turn at this intersection is no longer possible. The installation of an additional All Traffic Left sign together with pavement arrows should assist drivers to make safe choices.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Install an 'All Traffic Left' sign together with two pavement arrows in the northbound lane of Atchison Street, on the approach to Burelli Street.

### 3 WARRAWONG

Shellharbour Road – New Parking Restrictions

#### **Background:**

Services NSW has proposed a new vehicle registration and licensing facility for a site on King Street Warrawong which extends to Shellharbour Road. This facility will replace the existing vehicle registration centre at Nolan Street, Unanderra.

The consultants designing the new facility have requested that Council consider installing parking restrictions on Shellharbour Road to permit heavy vehicles to stand whilst the driver's undergo licence testing. The new facility will have adequate parking for vehicle inspections and staff but it will not accommodate applicants for Heavy Vehicle licences with their vehicles. The 'No Parking - Licence Applicants for Heavy Vehicles Excepted – 7am to 4pm Monday to Friday' proposed is 43 metres in length from the edge of the driveway to 194 Shellharbour Road, Warrawong to the next driveway to the south.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

Council install parking restrictions to read 'No Parking - Licence Applicants for Heavy Vehicles Excepted – 7am to 4pm Monday to Friday' for 43 metres in length from the edge of the driveway to 194 Shellharbour Road, Warrawong to the next driveway to the south.

## REGULATION OF TRAFFIC

### 4 HELENSBURGH TO WINDANG

Camp Quality Convoy – Sunday 15<sup>th</sup> November

**Background:**

The Camp Quality Convoy generally follows NSW State Roads namely the Appin Road and the M1. One of the starting points is on the Old Princes Highway, Darkes Forest, which is a local road, in the interests of reducing delays and congestion at the main start point on the Appin Road. These arrangements are similar to previous years and the use of the Old Princes Highway was effective in making the flow of vehicles in the Convoy easy to manage.

The organisers have indicated that residents and visitors with a destination in the vicinity of Darkes Forest will be permitted to access the area with regard to safety at the time. All other traffic is to be diverted via Lawrence Hargrave Drive and the M1. The road closure of the Princes Highway between Bulli Tops and Darkes Road is proposed for 5am to 11am on the day.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure of the Old Princes Highway between Bulli Tops and Darkes Forest be approved subject to the submitted Traffic Management Plan (Attachment 3) and Council's Standard Conditions for Road Closures (Attachment 1).

### 5 BULLI

Owen Street – Street Party – 5<sup>th</sup> December 2015

**Background:**

Council has received a request from residents in Owen Street for a street party to be held Saturday 5<sup>th</sup> December, 2015 from 2pm to 7pm. The request is for a partial road closure of Owen Street between Franklin Avenue and Waterloo Street. Diversion of traffic around the closure is expected to have minimal inconvenience upon drivers.

Residents in the affected area have indicated their support of the road closure via signed consent which was submitted with the Application for Road Closure.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure be approved subject to Council's Standard Conditions for Street Parties (Attachment 2).

### 6 WOONONA

Watergum Way – Two major concrete pours for Aged Care Development

**Background:**

Subsequent to the meeting, the building contractor for the aged care development at Watergum Way, Woonona has requested a variation to the road closure approvals provided in May 2015 which allow regular road closures on Watergum Way and Red Ash Drive for the purposes of pouring concrete.

The original approval was for the hours of 7 am to 5.30 pm. Two concrete pours to be carried out in mid-November and December 2015 are expected to take from 5 am to 7.30 pm and will necessitate the closure of Watergum Way at Hickory Street. The building contractor has also advised that the period for regular road closures will need to be extended beyond the end of December 2015 until the end of February 2016.

Details of this variation have been circulated to NSW Police and Roads and Maritime Services, and have been supported by both organisations.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed variation to the road closures of Watergum Way, to allow two closures at the intersection with Hickory Street for the extended hours of 5am to 7pm in mid-November and December 2015; and the extension of twice weekly closures previously approved until the end of February 2015, be approved subject to Council's Standard Conditions (Attachment 1).

7 **WEST WOLLONGONG**

Lexburn Avenue – Street Party – 18<sup>th</sup> Dec 2015

**Background:**

Council has received a request from residents in Lexburn Avenue for a street party to be held Friday 18<sup>th</sup> December 2015 from 5pm to midnight. Lexburn Avenue is one block long and located between Yellagong and Euroka Streets, where the proposed closure is at each intersection. Diversion of traffic around the closure is expected to have minimal inconvenience upon drivers.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure be approved subject to Council's Standard Conditions for Street Parties (Attachment 2).

8 **WOLLONGONG**

Harbour Street, Crown Street, Marine Drive – Tri the Gong

**Background:**

The 'Tri the Gong' Triathlon Festival is being held on Saturday and Sunday 5<sup>th</sup> and 6<sup>th</sup> of March 2016 with the same road closures as in previous years.

The event is divided into two separate competition days as follows:

- I. **Saturday 5<sup>th</sup> March** – These events are centred around Endeavour Drive and Wollongong Harbour. The road closures will take effect between 5.30am and 2pm for events extending from Endeavour Drive via Marine Drive to the roundabout at the eastern end of Crown Street.

The road closures will take effect 2pm until 4pm for the events extending from Endeavour Drive southwards to Crown Street and then back along Marine Drive and Cliff Road to the eastern end of Bourke Street, finishing at Endeavour Drive. During the Saturday events the Bus Terminus will be closed in Marine Drive and buses will have alternative bus zones and rest facilities in Harbour Street.

- II. **Sunday 6<sup>th</sup> March** – These events will extend from Wollongong Harbour to Elliott's Road, Fairy Meadow for the support events and involve road closures of Cliff Road, the eastern end of Bourke Street, Kembla Street between George Hanley Drive and Bourke Street, George Hanley Drive and Squires Way for the period 6.45am to 4pm.

The main Olympic standard event extends from Wollongong Harbour via Cliff Road, the eastern end of Bourke Street, Kembla Street between George Hanley Drive and Bourke Street, George Hanley Drive and Squires Way, Carter's Lane and Pioneer Road to a point immediately south of Rothery Street.

Road closures for Carters Lane and Pioneer Road between Elliott's Road and Rothery Street will be in effect from 6.30am to 11am.

The Sunday events will prevent access to all side streets along the route, and the section of Towradgi Road east of Pioneer Road and the adjoining streets will be isolated by the closures. The event organisers have agreed to have control points at the major cross streets of Elliott's Road, Carter's Lane, Towradgi Road and Murray Road to allow access across Pioneer Road/Carter's Lane. As in previous years, residents will be provided with a letter box drop and a hotline contact phone number to allow enquiries directly with the organisers.

The proposed closures involve a number of traffic signals and therefore require specific approval from NSW Roads and Maritime Services. As the events involve cycling races on public roads, all such activities also require approval from the NSW Police. Discussions have been held with Transport for NSW to coordinate the diversion of buses, particularly during the Sunday events.

## PROPOSAL SUPPORTED UNANIMOUSLY

The proposed road closures be approved subject to:

- a) The submitted traffic management plans (Attachment 4)
- b) The applicant obtaining approval from NSW Roads & Maritime Services
- c) The applicant obtaining approval from NSW Police
- d) Council's Standard Conditions for Road Closures (Attachment 1)

## 9 PORT KEMBLA

Wentworth Street – Billy Cart Derby – 28<sup>th</sup> November 2015

### Background:

The organisers of this event have submitted similar Traffic Management Plans to those used in previous years and involve the closure of:

- Darcy Road between Military Lane and Wentworth Lane
- Wentworth Street between Darcy Road and Church Street
- Allan Street between Kembra Street and Military Road

The event will be held on Saturday 28 November 2015 from 6am to 8pm, however the setting up and removal of the barriers will also require these street closures at the following times:

- Thursday 26 November 2015 from 7:30 am to 3 pm and from 5:30 pm to 8:45 pm
- Friday 27 November 2015 from 7:30 am to 3 pm and from 5:30 pm to 8:45 pm
- Monday 30 November 2015 from 6 am to 10 am.

The organisers have obtained an agreement from the contractor to install and remove the barriers within the time frame set out above. The bus routes will also have two variable message board indicators in Church Street and Darcy Road to assist drivers and passengers to use the diversion routes during the closure of Wentworth Street.

## PROPOSAL SUPPORTED UNANIMOUSLY

The road closure Saturday 28 November 2015 be approved in accordance with the submitted Traffic Management Plans and Council's Standard Conditions for road closures (Attachment 1), Billy Cart Derby Route & Traffic Management Plan (Attachment 5).

## DESIGN MATTERS

## 10 THIRROUL

Raymond Road – Pedestrian Crossing

### Background:

Council has prepared a design for an improved school crossing arrangement on Raymond Road for St Michael's Catholic Primary School.

## PROPOSAL SUPPORTED UNANIMOUSLY

Plan No: 5624-SK1 be approved (Attachment 6)

## 11 RUSSELL VALE

Terania Street – School Crossing

### Background:

Council has prepared a design for an improved school crossing arrangement on Terania Street for Russell Vale Public School.

## PROPOSAL SUPPORTED UNANIMOUSLY

Plan No: 5623-SK1 be approved (Attachment 7)



**12 LAKE HEIGHTS**

Northcliffe Drive – Pedestrian Crossing, Lake Heights Public School

**Background:**

Council has prepared a design for an improved school crossing arrangement on Northcliffe Drive for Lake Heights Public School.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan No: 5625-SK01 be approved (Attachment 8)

**13 BERKELEY**

Gallop and Nolan Streets – Pedestrian Crossing

**Background:**

Council has prepared a design for an improved crossing for pedestrians on Gallop Street which involves a long kerb extension on the southern side and a central median to ensure pedestrians are only required to cross one lane at a time.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan No: 5622-SK02 be approved (Attachment 9)

**14 BERKELEY**

Northcliffe Drive and Venn Street - Pedestrian Crossing, Illawarra Sports High School

**Background:**

Council has prepared a design for an improved school crossing arrangement on Northcliffe Drive for Illawarra Sports High School.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan No: 5626-SK01 be approved (Attachment 10)

**15 WINDANG**

Oakland Avenue

**Background:**

Council has prepared a design for kerb extensions and improvements to the existing school crossing for the Windang Public School in Oakland Avenue.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan No: 5621-SK02 be approved (Attachment 11)

## INFORMAL ITEMS

### 16 DAPTO, WOLLONGONG, BALGOWNIE, CORRIMAL, WOONONA, HELENSBURGH

'Waratahs Re-enactment of Recruitment March' Sunday 29<sup>th</sup> November to 13<sup>th</sup> December 2015

#### Background:

Council has been contacted by the RMS Transport Management Centre regarding this ANZAC Commemorative event which re-enacts elements of the original Waratahs ANZAC March undertaken between Nowra and Sydney in 1915. Submitted for information. The individual events below are expected to be managed by NSW Police.

VARIOUS SUBURBS	WARATAH MARCH	DECEMBER 2015
DAPTO WOLLONGONG BALGOWNIE CORRIMAL WOONONA HELENSBURGH	Bong Bong Road Church Street Balgownie Road Railway Street Princes Highway, Nicholson Road Waratah, Parkes and Walker Streets	Thursday 3 <sup>rd</sup> December 2015 Saturday 5 <sup>th</sup> December 2015 Sunday 6 <sup>th</sup> December 2015 Tuesday 8 <sup>th</sup> December 2015 Wednesday 9 <sup>th</sup> December 2015 Saturday 12 <sup>th</sup> December 2015

Minutes to be confirmed at the next meeting to be held at Wollongong City Council Administration Building, Level 10, Rooms 2 and 3 on Wednesday 28<sup>th</sup> October 2015.

The meeting concluded at 1.30pm.

2015 Meeting Schedule		
Wednesday 28 October	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm
Wednesday 18 November	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm

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 2 – Standard Conditions for Road Closures – 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.

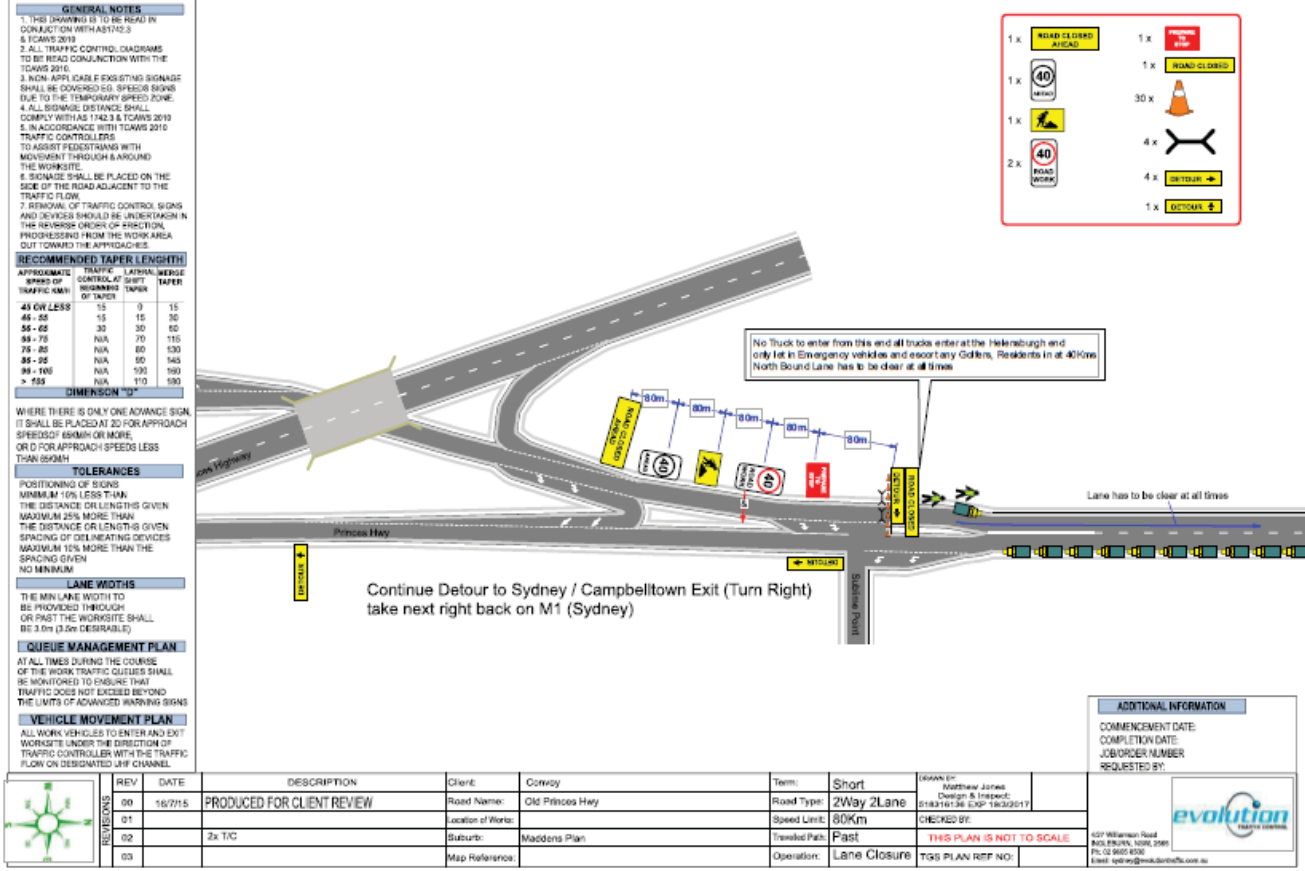
It is your responsibility to collect this equipment from Council's Works Depot Store, Montague Street, North Wollongong, prior to 2.00 pm on the last working day prior to your proposed road closure, and return same on the next working day following the closure. Please ensure you sign a receipt when collecting 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 3 – Part 1 - Convoy 2015 - Old Princes Highway, Maddens Plain, Truck Parking



## Attachment 3 – Part 2 - Convoy 2015 – Old Princes Highway, Bulli Tops

**GENERAL NOTES**

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AS1742.3 & TCAMS 2010.
2. ALL TRAFFIC CONTROL DIAGRAMS TO BE READ CONJUNCTION WITH THE TCAMS 2010.
3. NON-APPLICABLE EXISTING SIGNAGE SHALL BE COVERED EG. SPEEDS SIGNS DUE TO THE TEMPORARY SPEED ZONE.
4. ALL SIGNAGE DISTANCE SHALL COMPLY WITH AS 1742.3 & TCAMS 2010.
5. IN ACCORDANCE WITH TCAMS 2010 TRAFFIC CONTROLLERS TO ASSIST PEDESTRIANS WITH MOVEMENT THROUGH & AROUND THE WORKSITE.
6. SIGNAGE SHALL BE PLACED ON THE SIDE OF THE ROAD ADJACENT TO THE TRAFFIC FLOW.
7. REMOVAL OF TRAFFIC CONTROL SIGNS AND DEVICES SHOULD BE UNDERTAKEN IN THE REVERSE ORDER OF ERECTION, PROGRESSING FROM THE WORK AREA OUT TOWARD THE APPROACHES.

**RECOMMENDED TAPER LENGTH**

APPROACH SPEED OF TRAFFIC (KM/H)	TRAFFIC CONTROL AT BEGINNING OF TAPER	LATERAL WEDGE TAPER
45 OR LESS	15	0
46 - 55	15	15
56 - 65	30	30
66 - 75	N/A	60
76 - 85	N/A	90
86 - 95	N/A	120
96 - 105	N/A	150
> 106	N/A	180

**DIMENSION "D"**

WHERE THERE IS ONLY ONE ADVANCE SIGN, IT SHALL BE PLACED AT 20 FOR APPROACH SPEEDS OF 60KM/H OR MORE, OR D FOR APPROACH SPEEDS LESS THAN 60KM/H.

**TOLERANCES**

POSITIONING OF SIGNS  
MINIMUM 10% LESS THAN THE DISTANCE OR LENGTHS GIVEN  
MAXIMUM 20% MORE THAN THE DISTANCE OR LENGTHS GIVEN  
SPACING OF DELINEATING DEVICES  
MAXIMUM 10% MORE THAN THE SPACING GIVEN  
NO MINIMUM

**LANE WIDTHS**

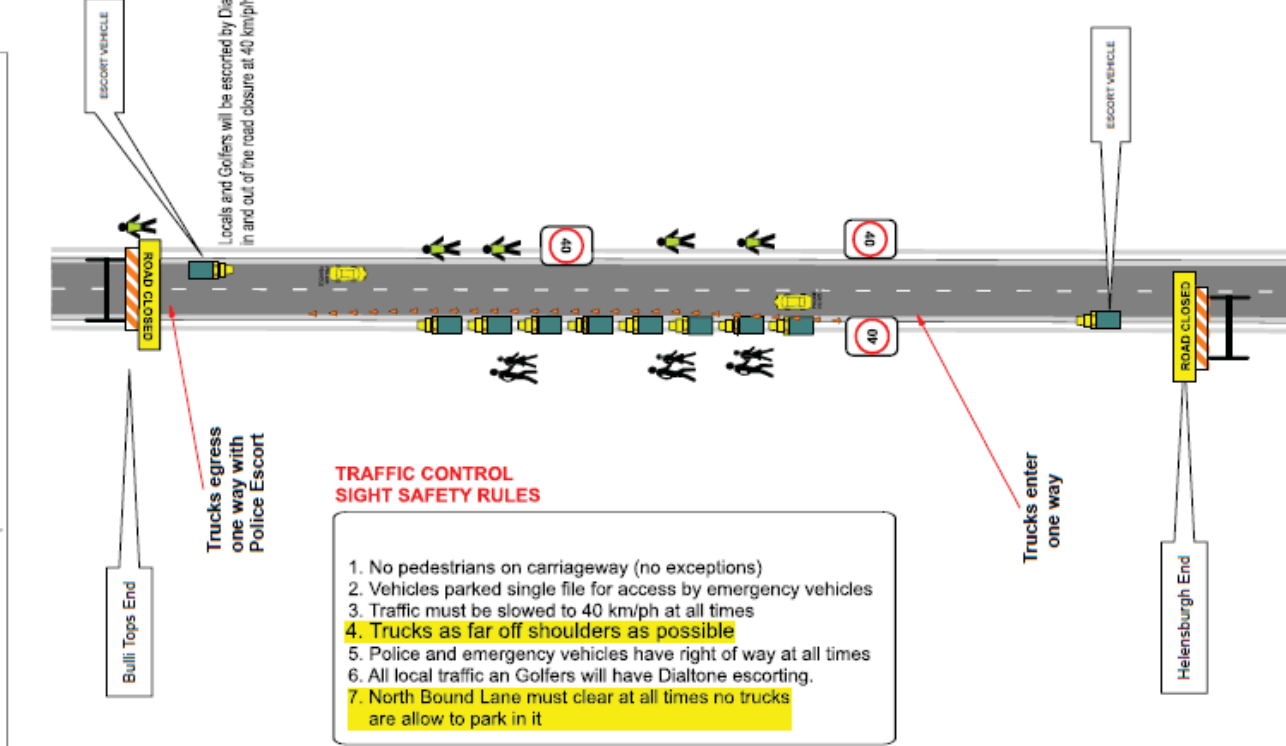
THE MIN LANE WIDTH TO BE PROVIDED THROUGH OR PAST THE WORKSITE SHALL BE 3.0m (3.5m DESIRABLE).

**QUEUE MANAGEMENT PLAN**

AT ALL TIMES DURING THE COURSE OF THE WORK TRAFFIC QUEUES SHALL BE MONITORED TO ENSURE THAT TRAFFIC DOES NOT EXCEED BEYOND THE LIMITS OF ADVANCED WARNING SIGNS.

**VEHICLE MOVEMENT PLAN**

ALL WORK VEHICLES TO ENTER AND EXIT WORKSITE UNDER THE DIRECTION OF TRAFFIC CONTROLLER WITH THE TRAFFIC FLOW ON DESIGNATED UHF CHANNEL.



REV	DATE	DESCRIPTION
00	16/7/15	PRODUCED FOR CLIENT REVIEW
01		
02		10x T/C
03		

Client:	Convoy
Road Name:	Old princes Hwy
Location of Work:	
Suburb:	Bulli Tops
Map Reference:	

Term:	Short
Road Type:	2Way 2Lane
Speed Limit:	80Km
Travelled Path:	Past
Operation:	Lane Closure

DESIGNED BY:	Matthew Jones
Design & Inspect:	518318136 EXP 19/3/2017
CHECKED BY:	
THIS PLAN IS NOT TO SCALE	
TGS PLAN REF NO:	

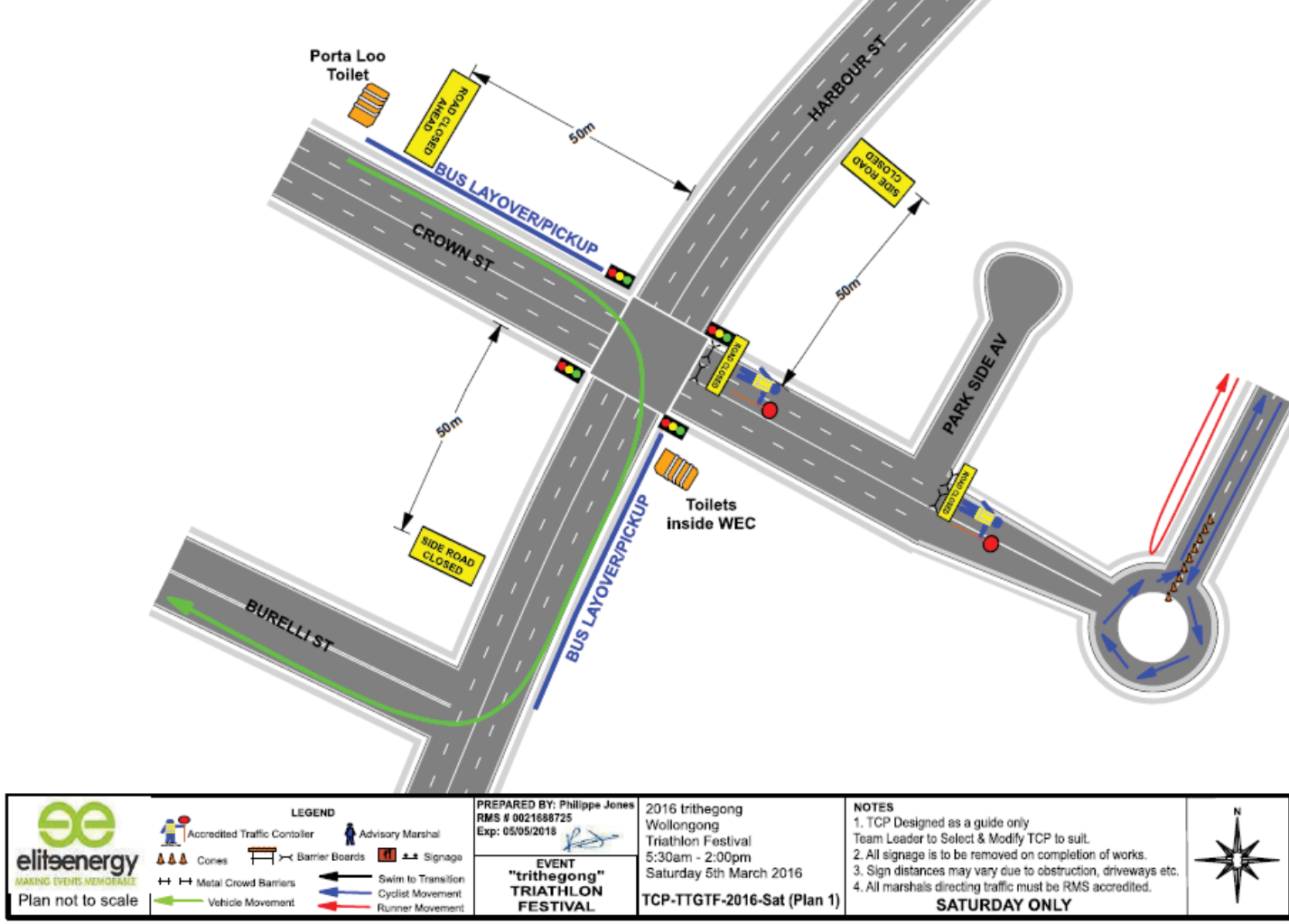
**ADDITIONAL INFORMATION**

COMMENCEMENT DATE:  
COMPLETION DATE:  
JOB/ORDER NUMBER:  
REQUESTED BY:

**evolution**  
TRAFFIC CONTROL

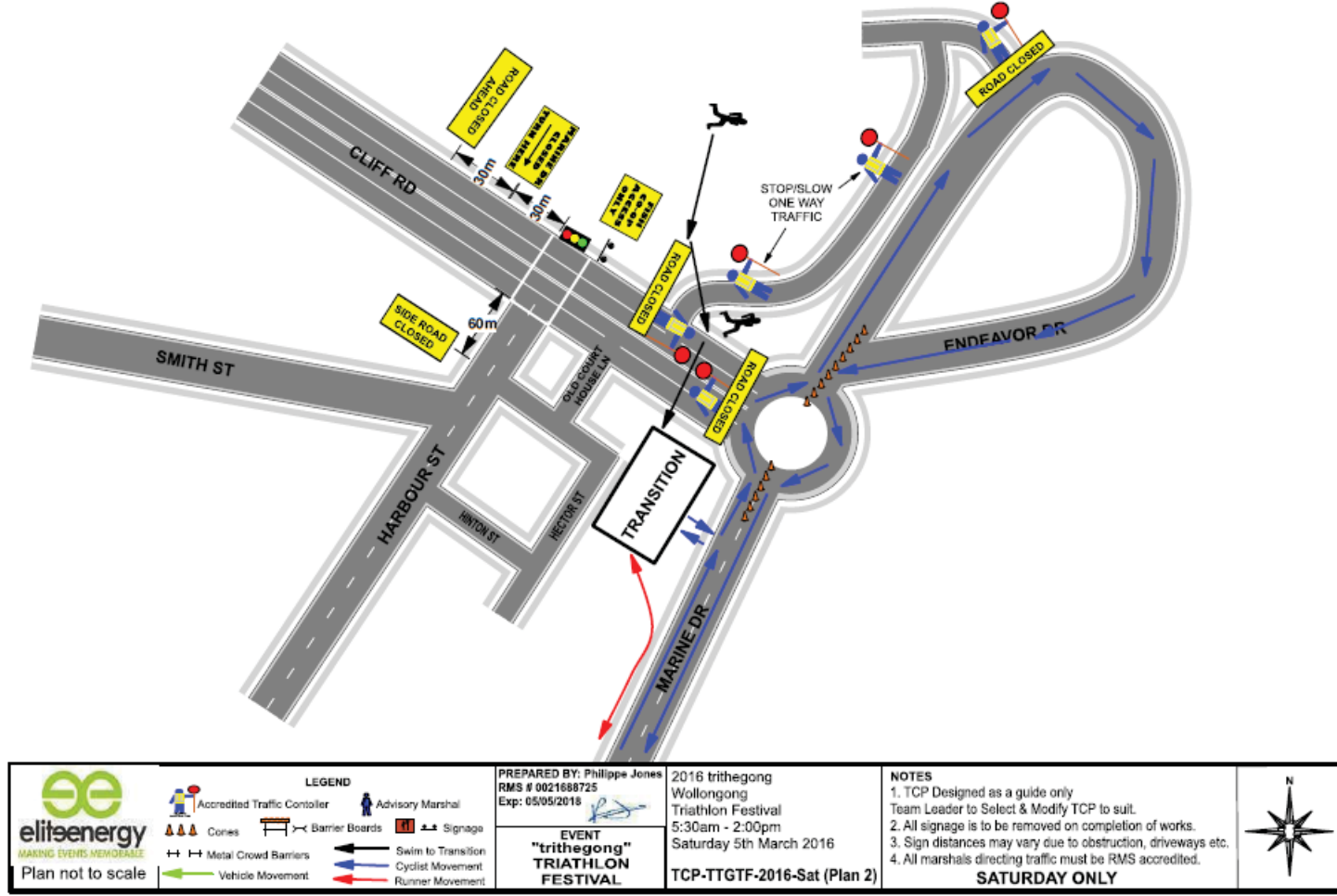
407 Williamson Road  
MID-ESSEX, NSW 2568  
Ph: 02 9605 6500  
Email: gylway@evolutiontraffic.com.au

Attachment 4 – Tri the Gong – Saturday Event - Plan 1 of 6



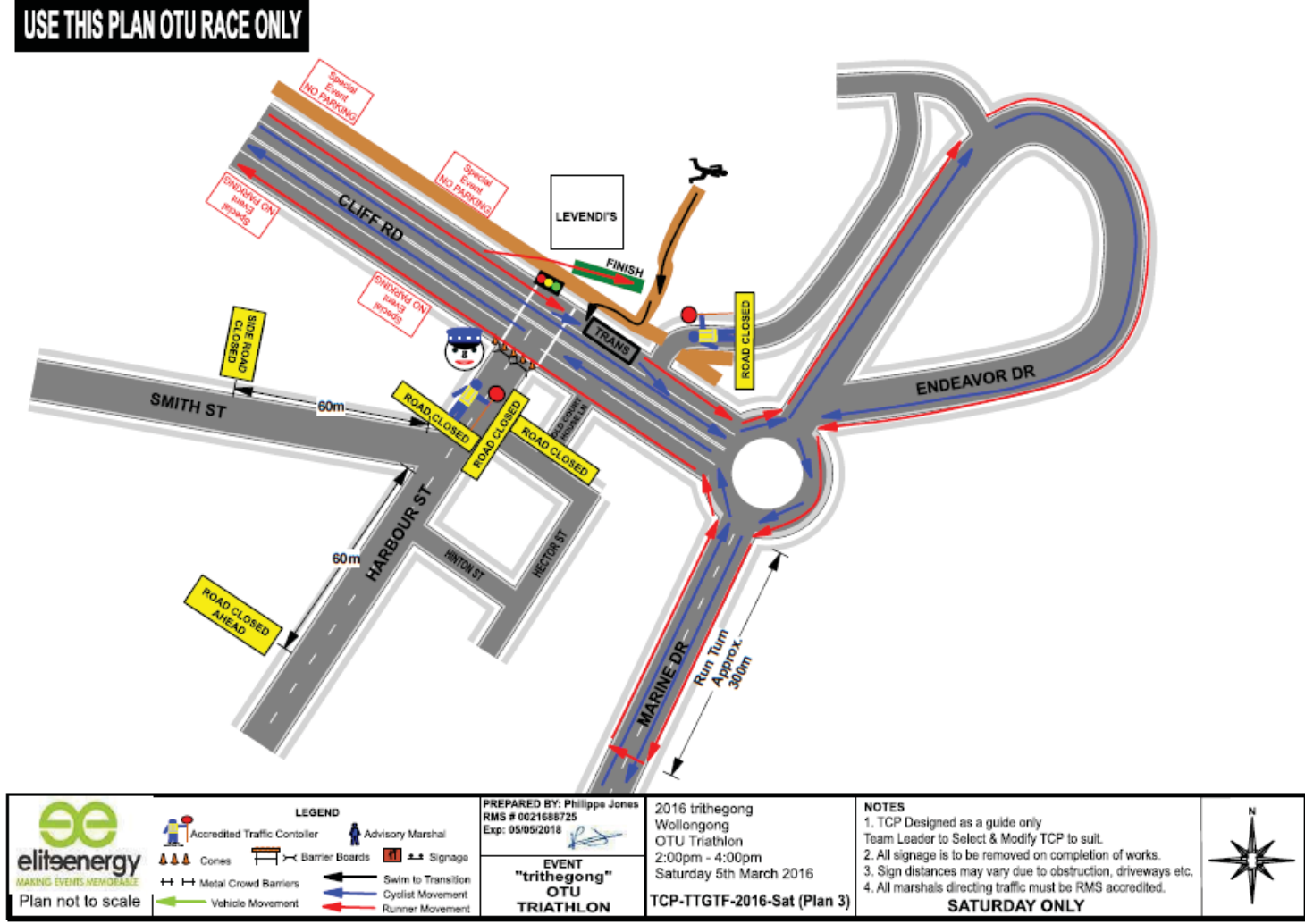


Attachment 4 – Tri the Gong – Saturday Event - Plan 2 of 6

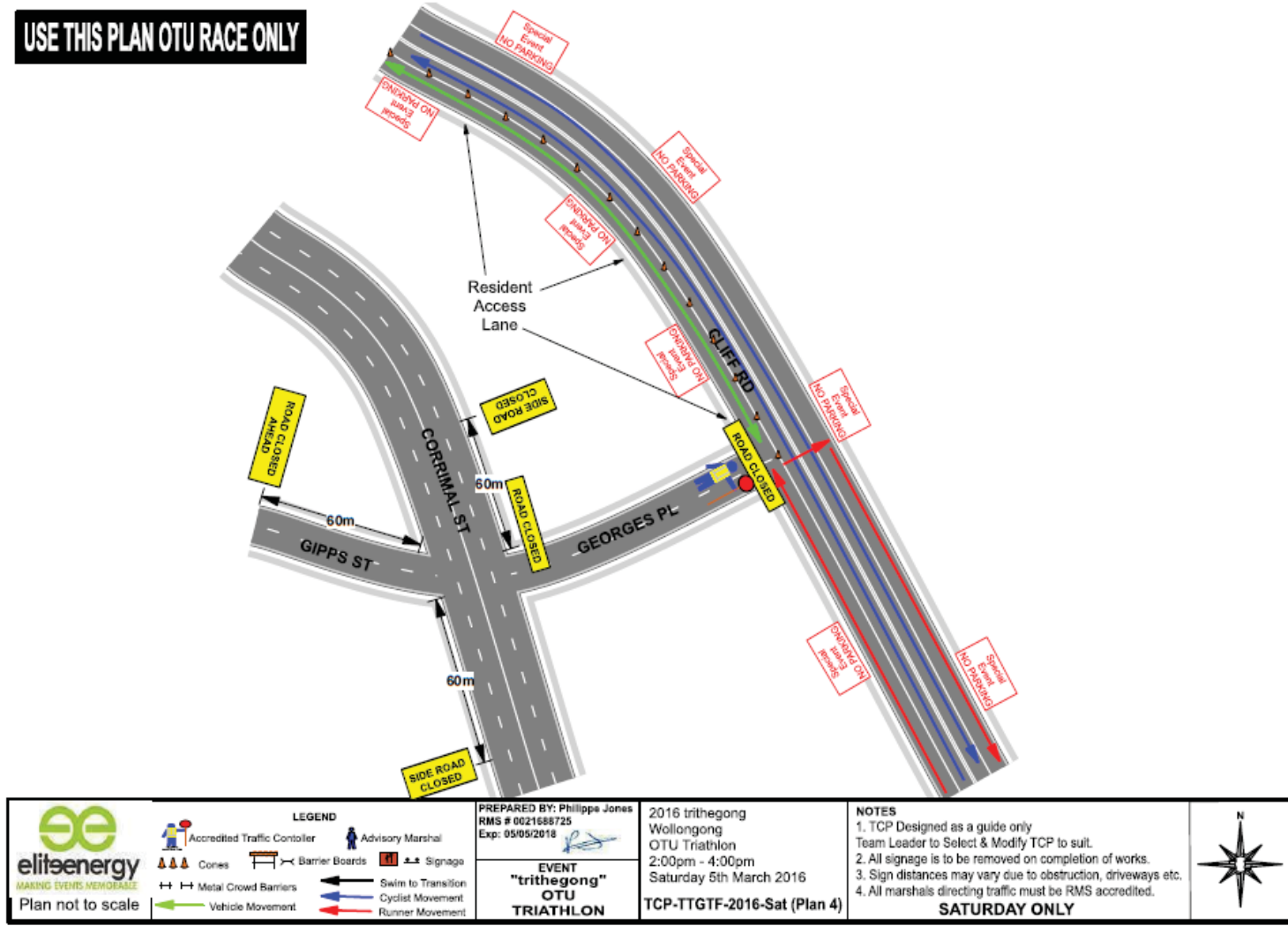




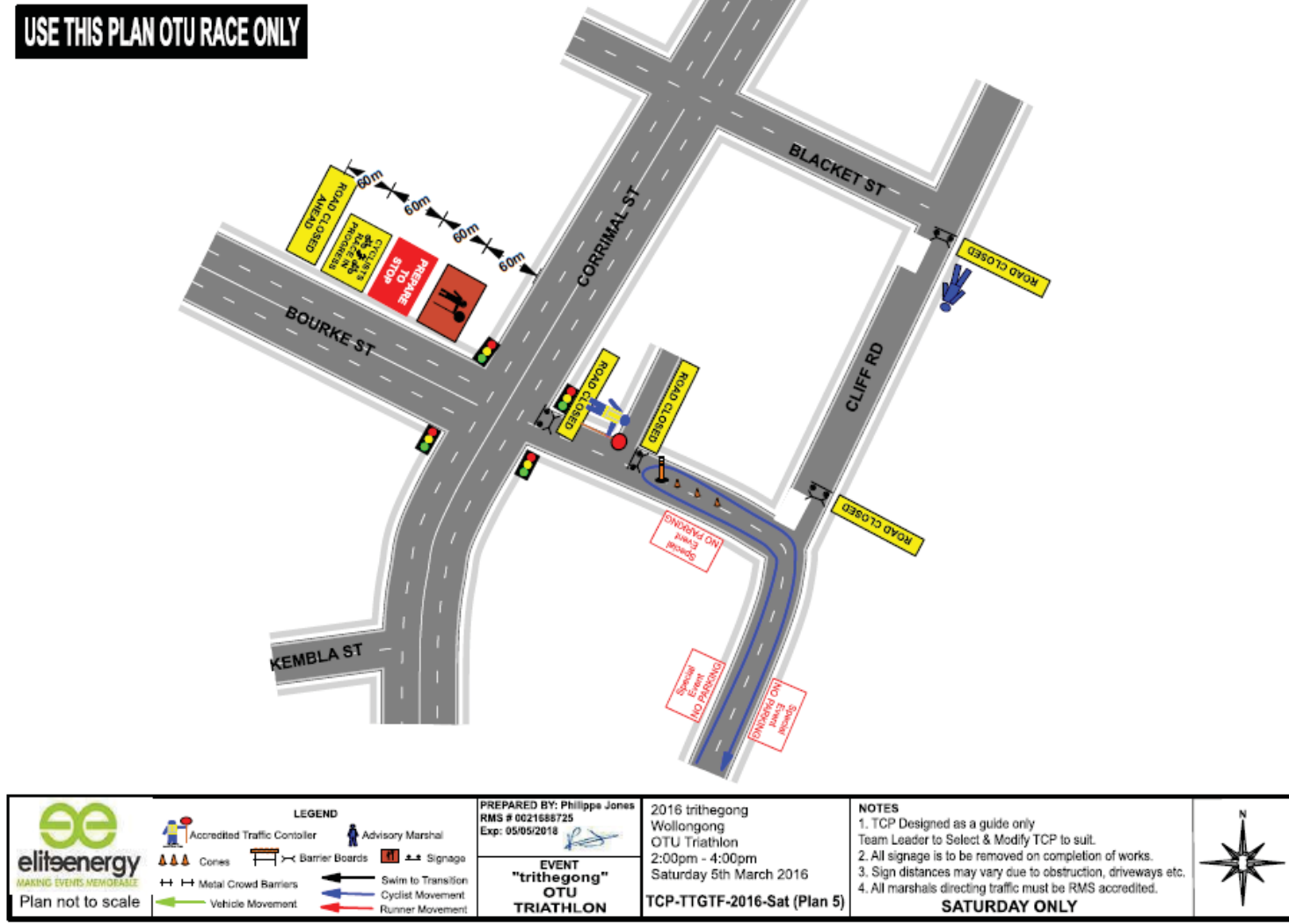
Attachment 4 – Tri the Gong – Saturday Event - Plan 3 of 6



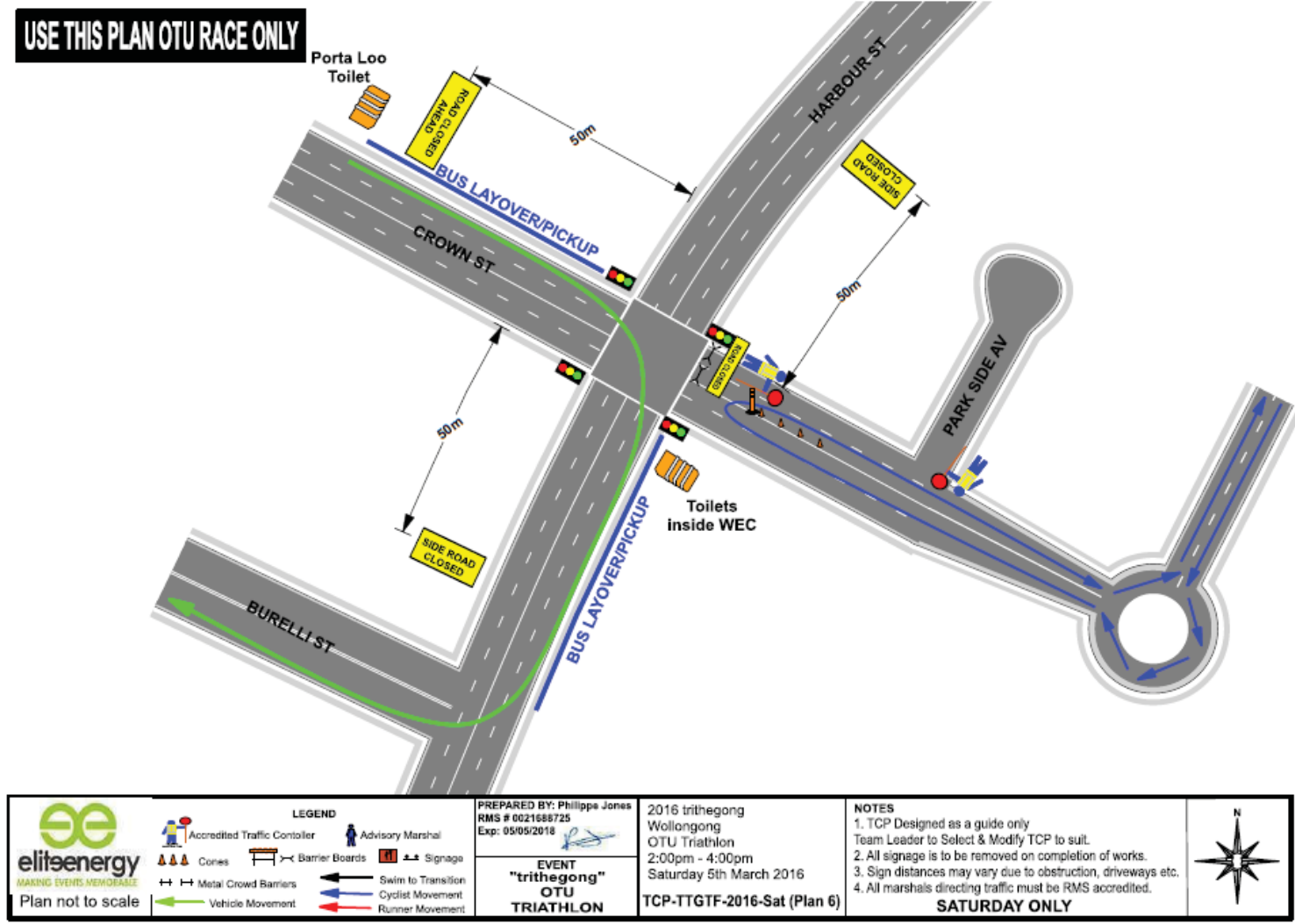
Attachment 4 – Tri the Gong – Saturday Event - Plan 4 of 6



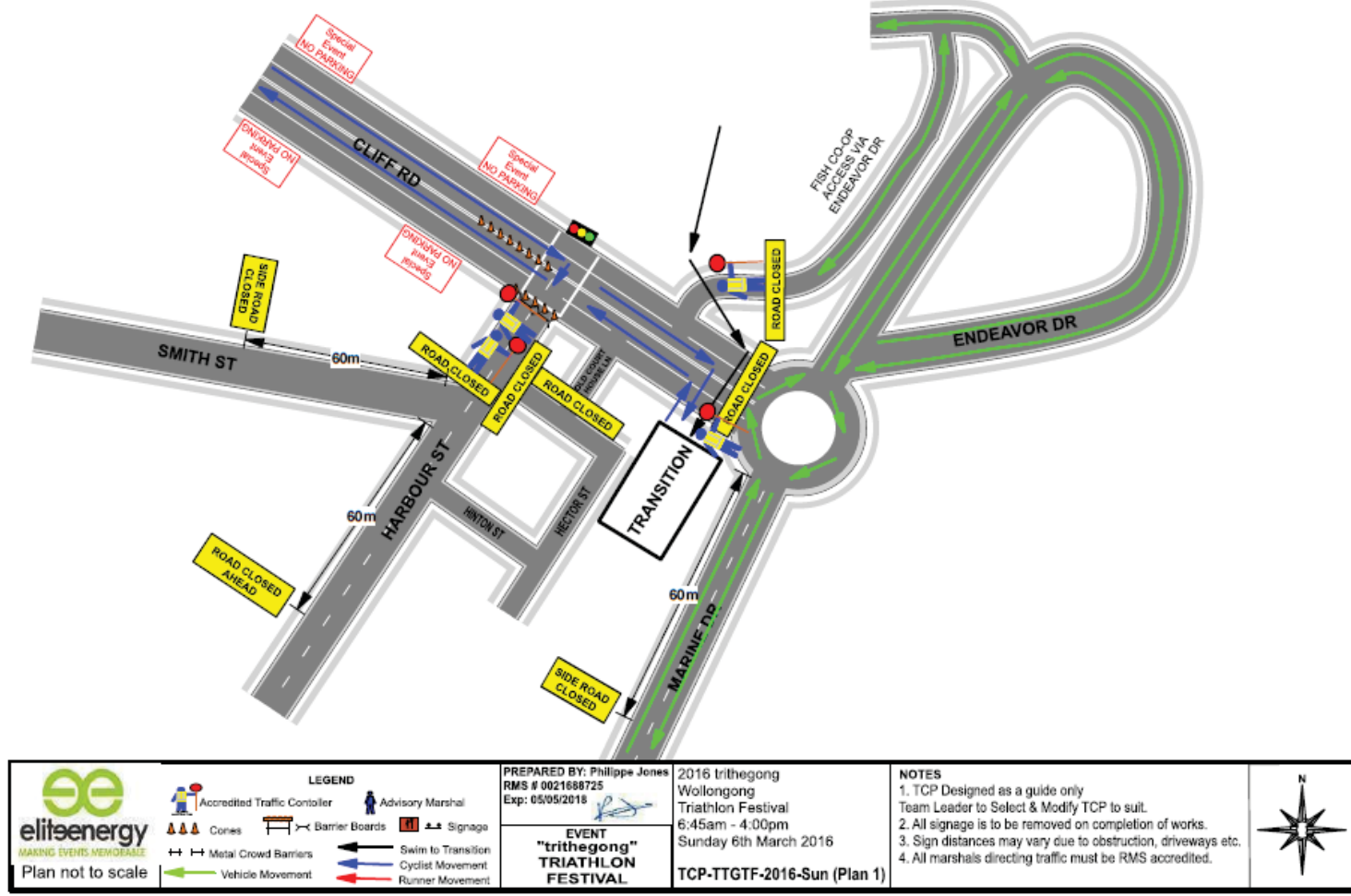
Attachment 4 – Tri the Gong – Saturday Event - Plan 5 of 6



Attachment 4 – Tri the Gong – Saturday Event - Plan 6 of 6

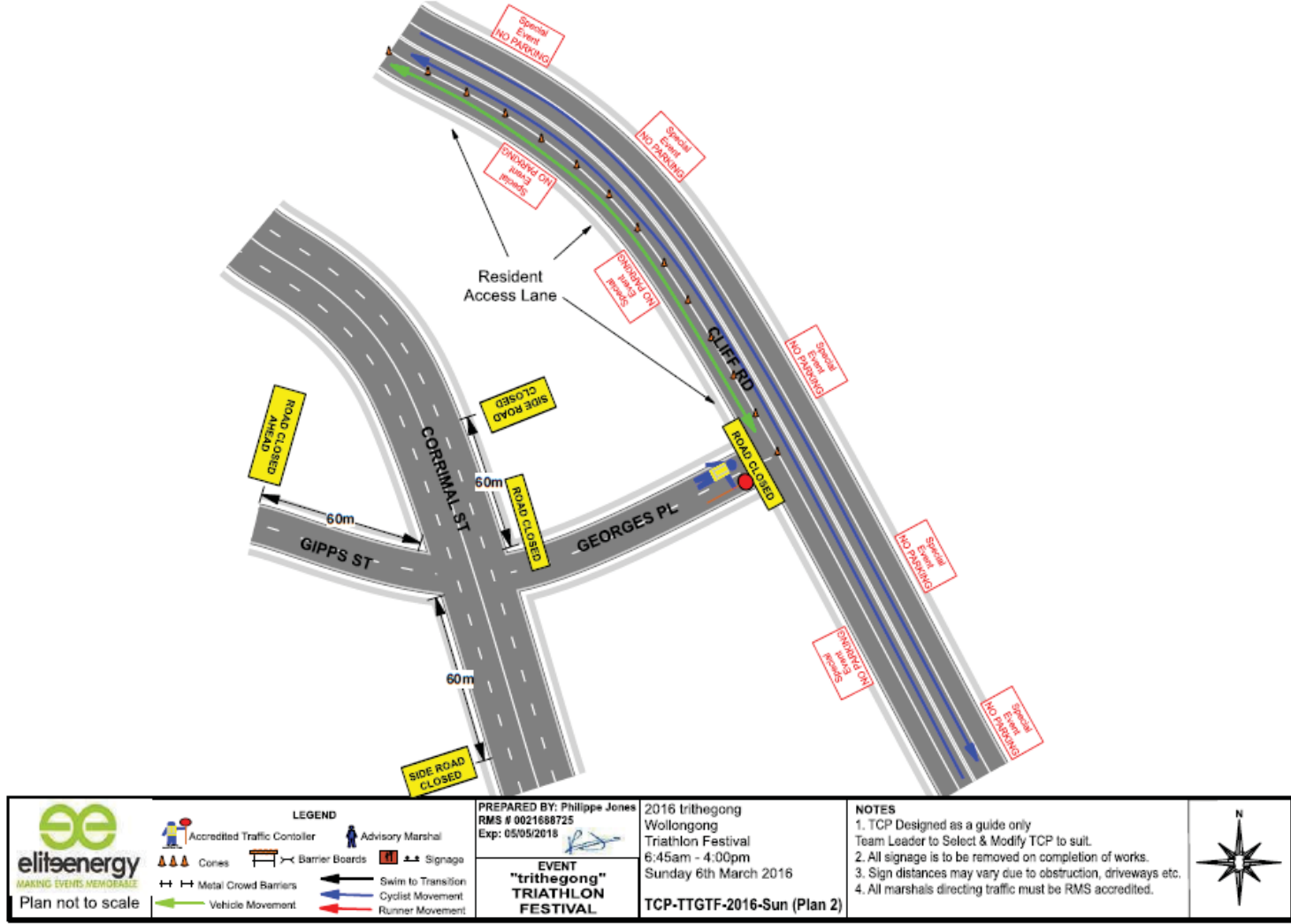


Attachment 4 – Tri the Gong – Sunday Event - Plan 1 of 12

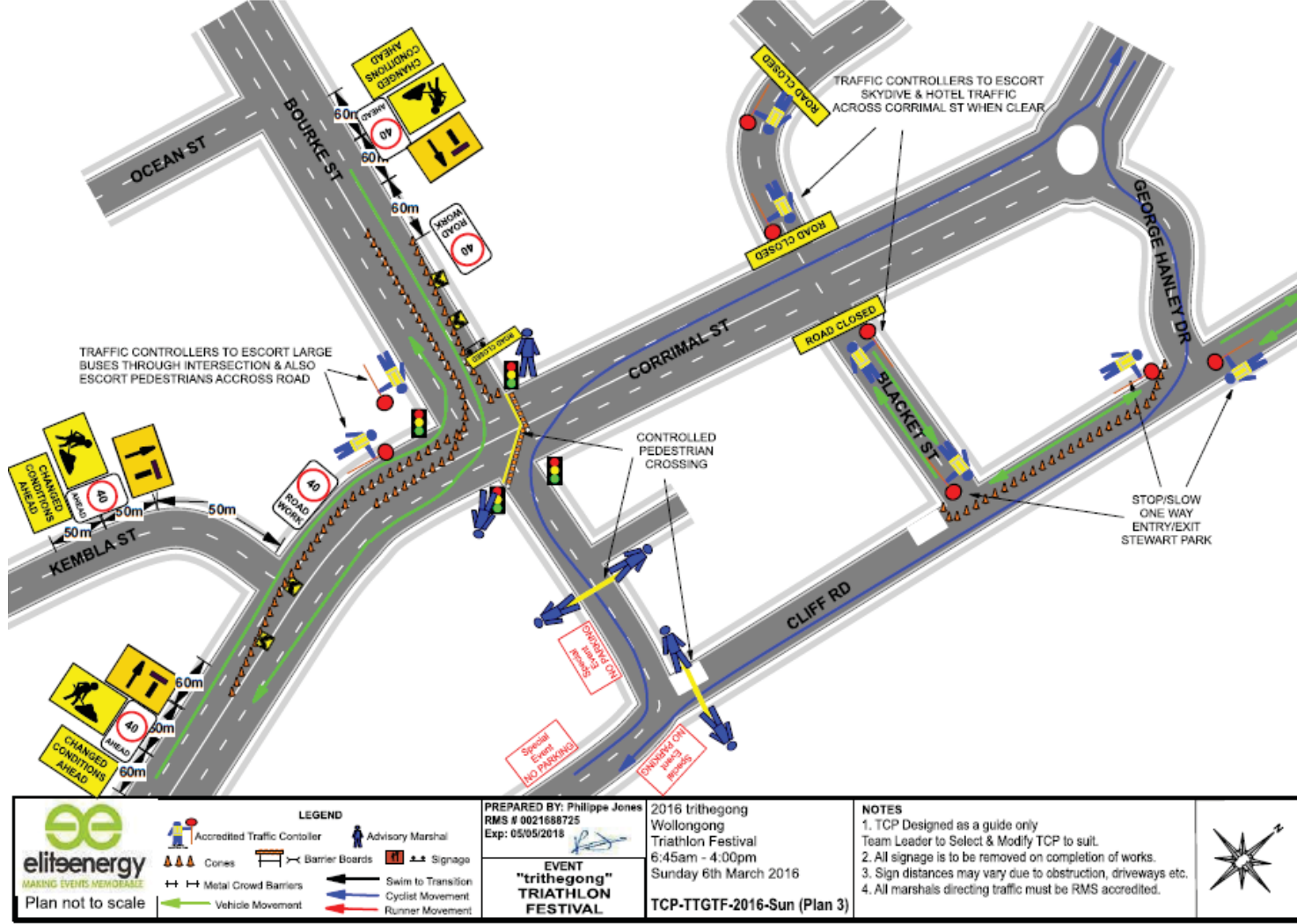




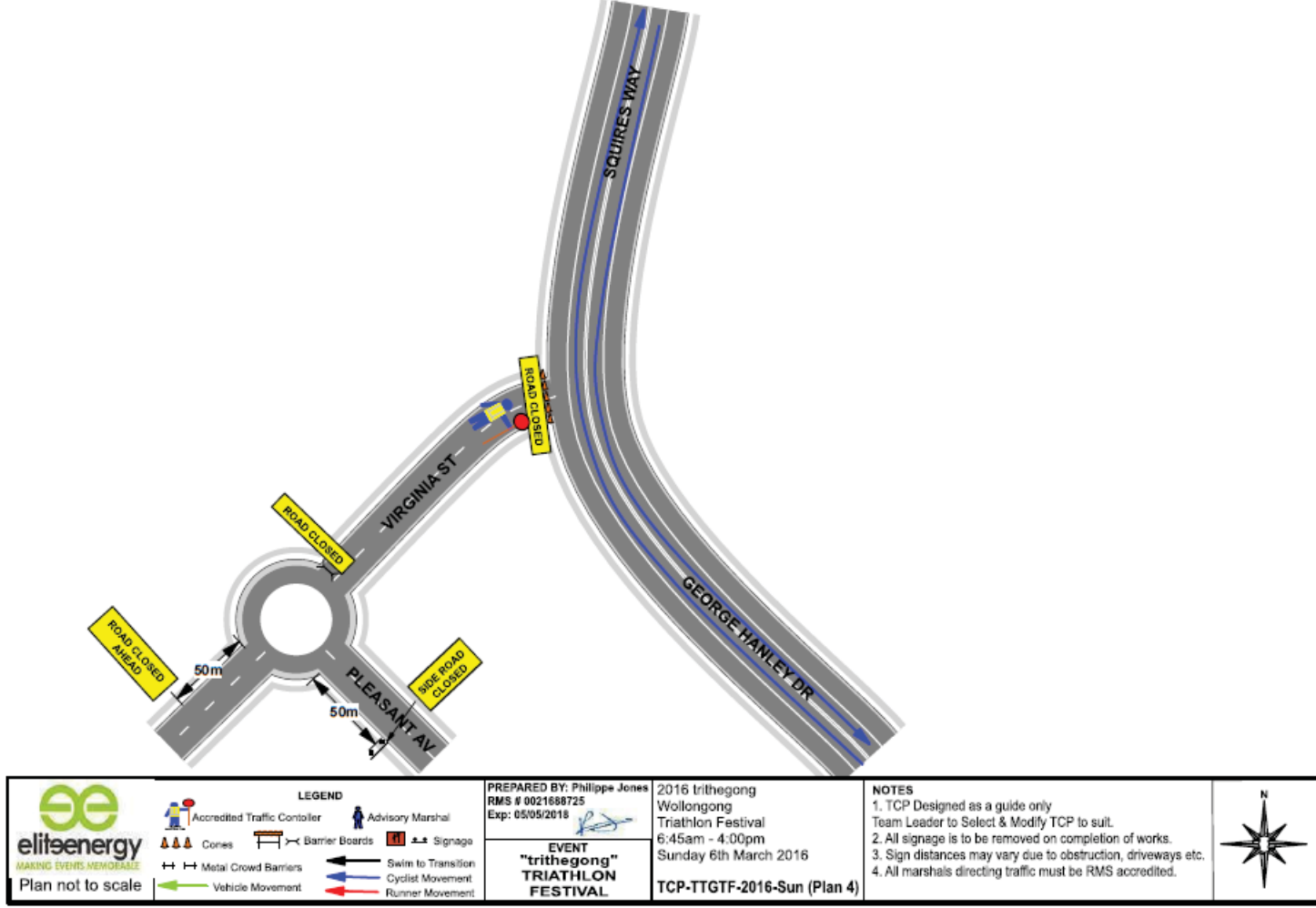
Attachment 4 – Tri the Gong – Sunday Event - Plan 2 of 12



Attachment 4 – Tri the Gong – Sunday Event - Plan 3 of 12



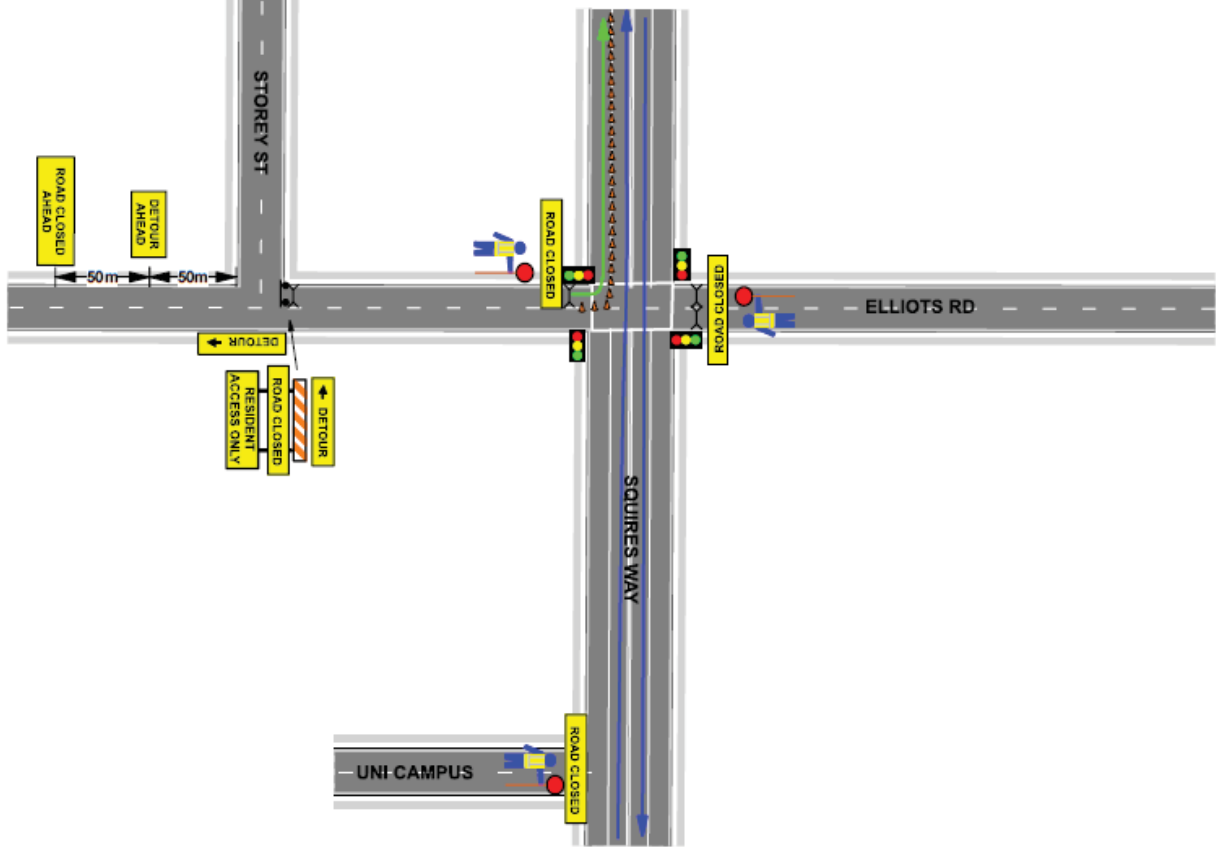
Attachment 4 – Tri the Gong – Sunday Event - Plan 4 of 12





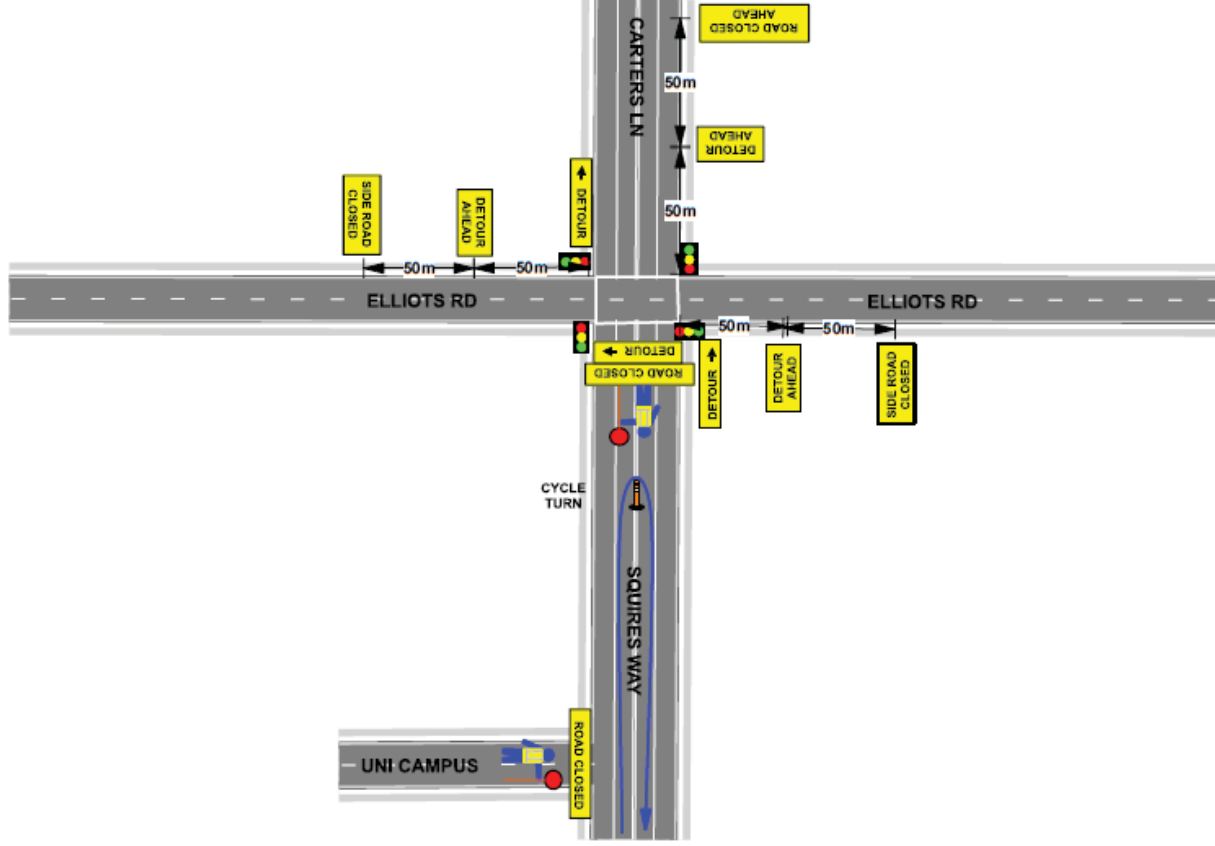
Attachment 4 – Tri the Gong – Sunday Event - Plan 5 of 12

 <b>elitenergy</b> <small>MAKING EVENTS MEMORABLE</small> Plan not to scale	<b>LEGEND</b>  Accredited Traffic Controller  Advisory Marshal  Cones  Barrier Boards  Metal Crowd Barriers  Vehicle Movement  Swim to Transition  Cyclist Movement  Runner Movement  Signage	PREPARED BY: Philippe Jones RMS # 0021688725 Exp: 05/05/2016  <b>EVENT</b> <b>"trithegong"</b> <b>TRIATHLON</b> <b>FESTIVAL</b>	2016 trithegong Wollongong Triathlon Festival 6:45am - 4:00pm Sunday 6th March 2016 <b>TCP-TTGTF-2016-Sun (Plan 5)</b>	<b>NOTES</b> 1. TCP Designed as a guide only Team Leader to Select & Modify TCP to suit. 2. All signage is to be removed on completion of works. 3. Sign distances may vary due to obstruction, driveways etc. 4. All marshals directing traffic must be RMS accredited.	
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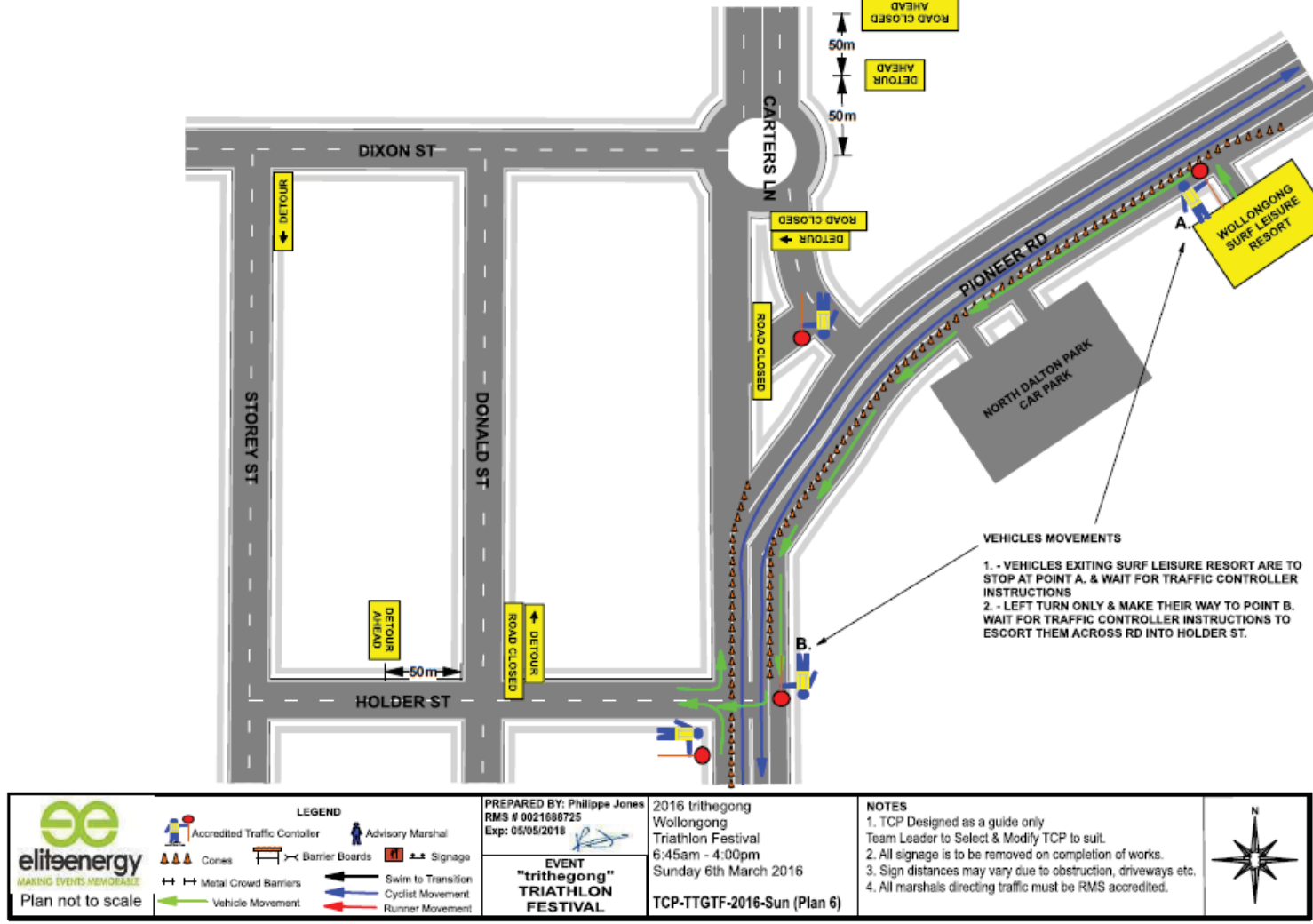


Attachment 4 – Tri the Gong – Sunday Event - Plan 5A of 12

 <b>elitsenergy</b> <small>MAKING EVENTS MEMORABLE</small> Plan not to scale	<b>LEGEND</b>  Accredited Traffic Controller  Advisory Marshal  Cones  Barrier Boards  Signage  Metal Crowd Barriers  Swim to Transition  Cyclist Movement  Vehicle Movement  Runner Movement	PREPARED BY: Philippe Jones RMS # 0021688725 Exp: 05/05/2016  <b>EVENT</b> <b>"trithegong"</b> <b>TRIATHLON</b> <b>FESTIVAL</b>	2016 tri thegong Wollongong Triathlon Festival 6:45am - 4:00pm Sunday 6th March 2016 <b>TCP-TTGF-2016-Sun (Plan 5A)</b>	<b>NOTES</b> 1. TCP Designed as a guide only Team Leader to Select & Modify TCP to suit. 2. All signage is to be removed on completion of works. 3. Sign distances may vary due to obstruction, driveways etc. 4. All marshals directing traffic must be RMS accredited.	
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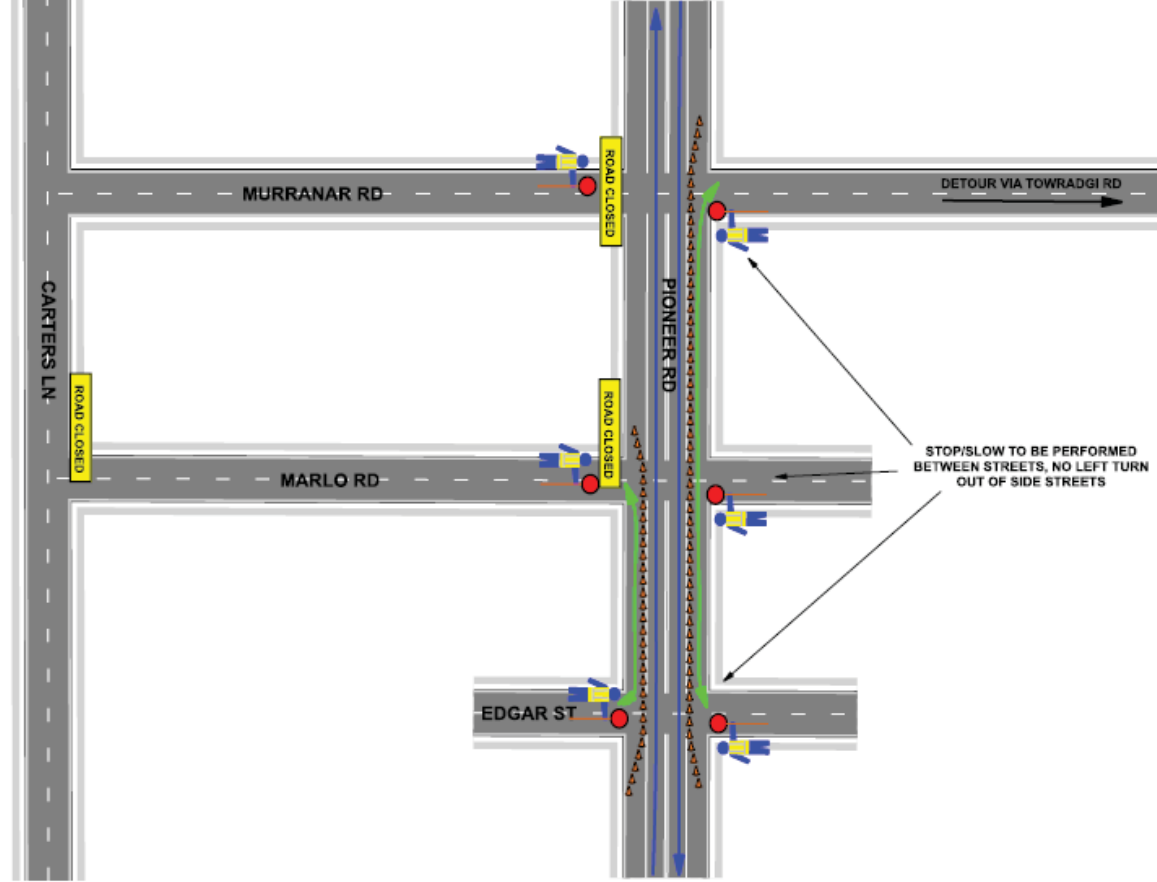


Attachment 4 – Tri the Gong – Sunday Event - Plan 6 of 12

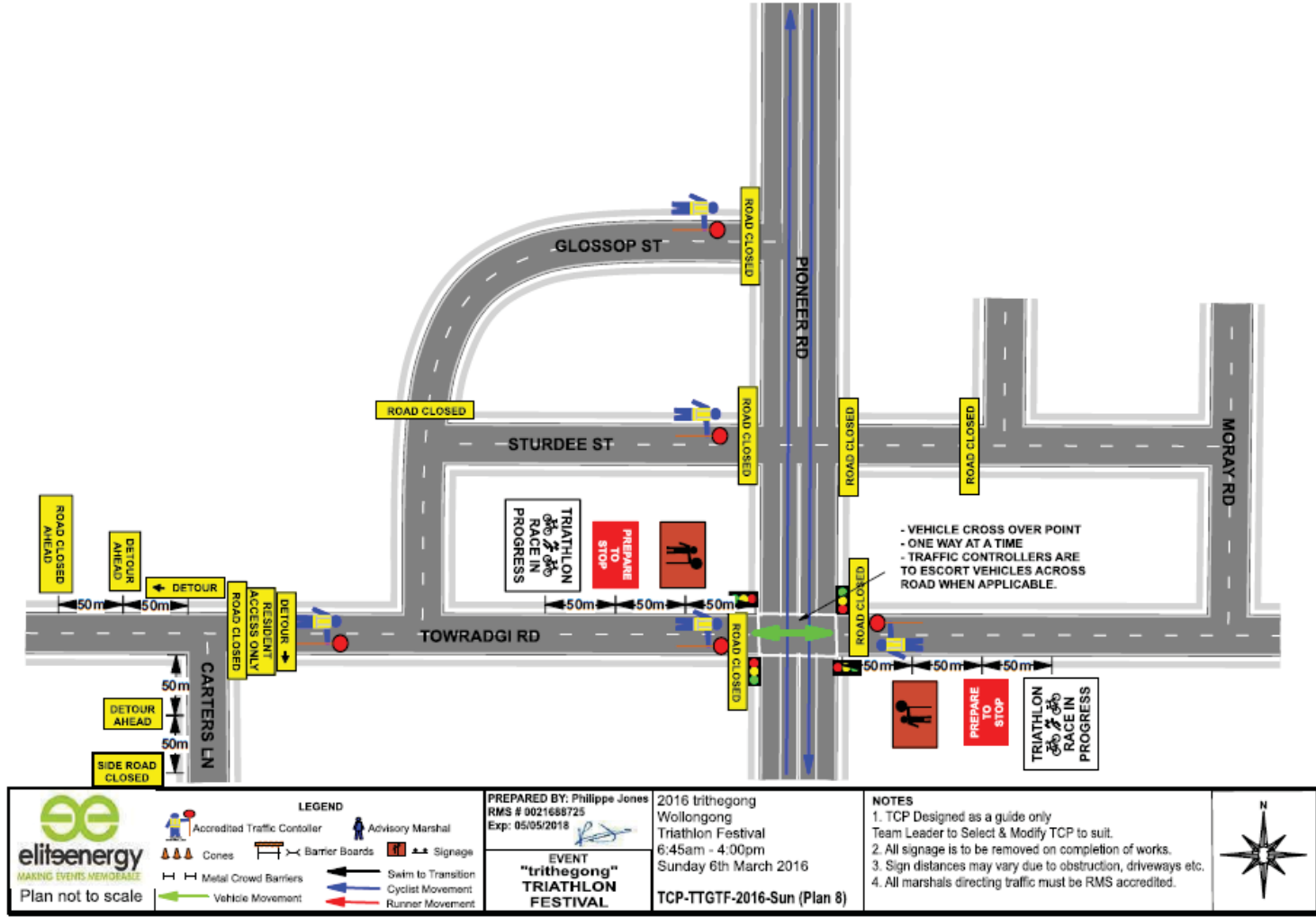


Attachment 4 – Tri the Gong – Sunday Event - Plan 7 of 12

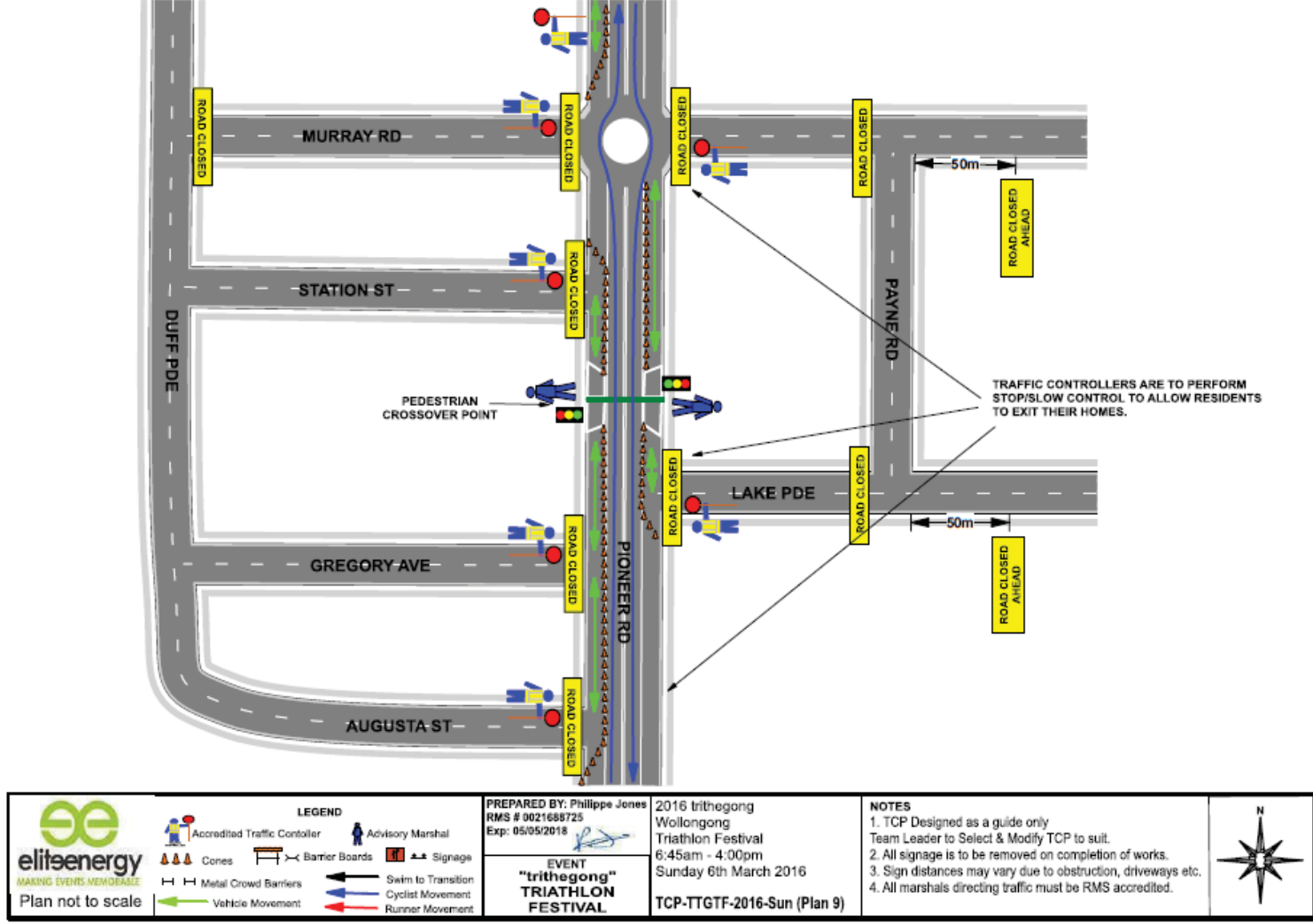
 <p>MAKING EVENTS MEMORABLE</p> <p>Plan not to scale</p>	<p><b>LEGEND</b></p> <p>  Accredited Traffic Controller   Advisory Marshal   Cones   Barrier Boards   Signage   Metal Crowd Barriers   Swim to Transition   Cyclist Movement   Vehicle Movement   Runner Movement         </p>	<p>PREPARED BY: Philippe Jones RMS # 0021688725 Exp: 05/05/2018</p> <p><b>EVENT</b> <b>"trithegong"</b> <b>TRIATHLON</b> <b>FESTIVAL</b></p>	<p>2016 trithegong Wollongong Triathlon Festival 6:45am - 4:00pm Sunday 6th March 2016</p> <p>TCP-TTGTF-2016-Sun (Plan 7)</p>	<p><b>NOTES</b></p> <ol style="list-style-type: none"> <li>1. TCP Designed as a guide only Team Leader to Select &amp; Modify TCP to suit.</li> <li>2. All signage is to be removed on completion of works.</li> <li>3. Sign distances may vary due to obstruction, driveways etc.</li> <li>4. All marshals directing traffic must be RMS accredited.</li> </ol>	
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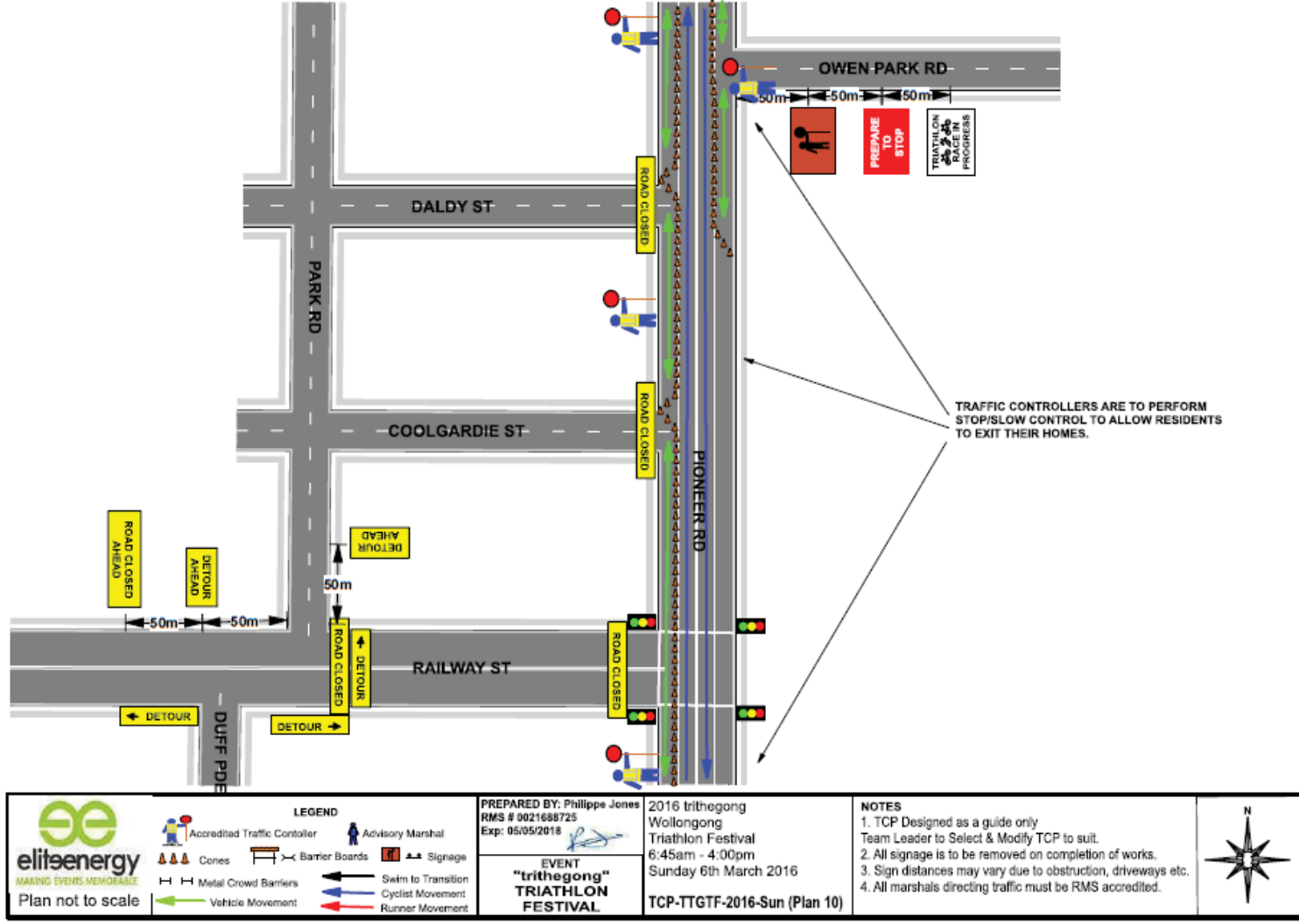
## Attachment 4 – Tri the Gong – Sunday Event - Plan 8 of 12



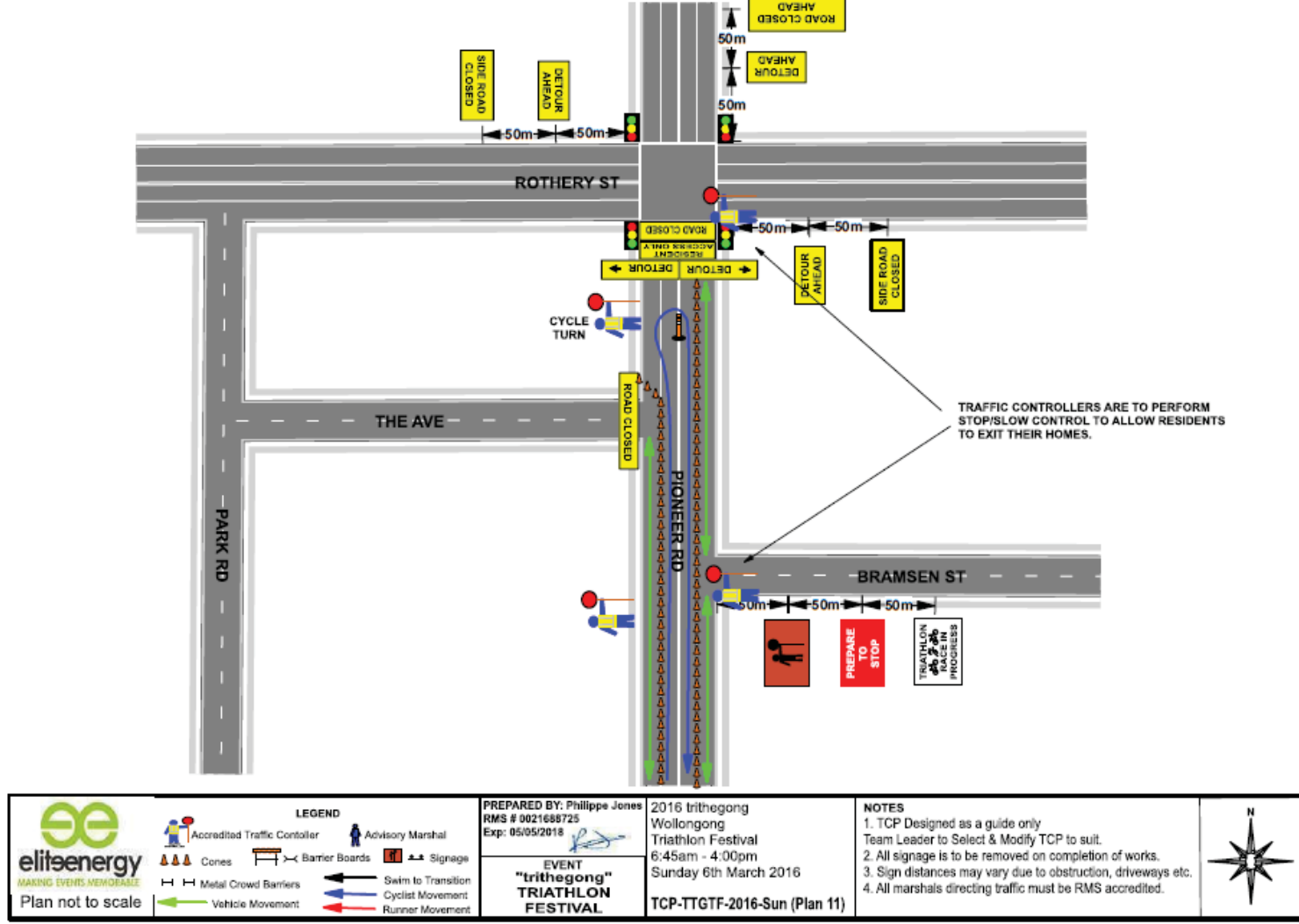
## Attachment 4 – Tri the Gong – Sunday Event - Plan 9 of 12



Attachment 4 – Tri the Gong – Sunday Event - Plan 10 of 12

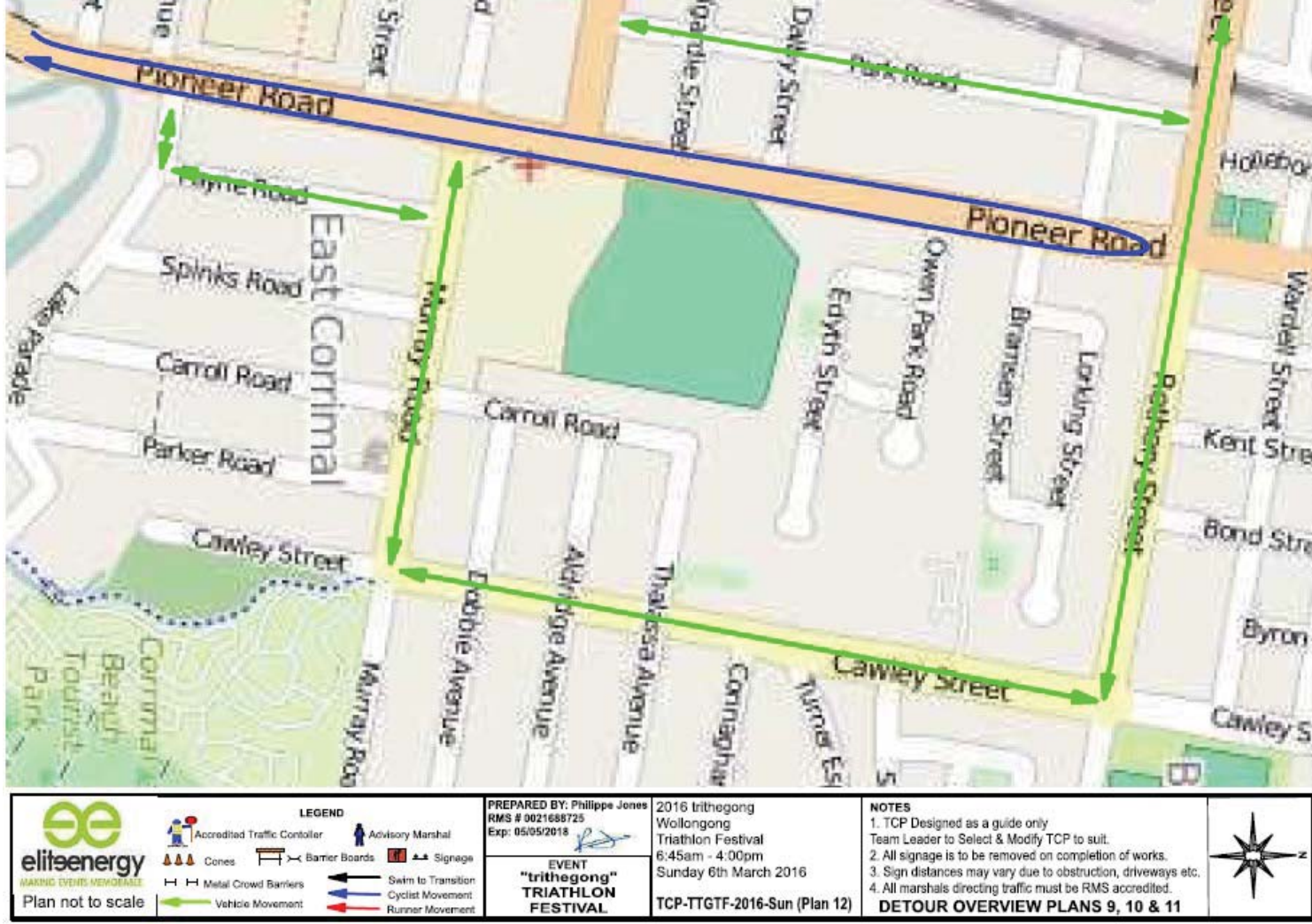


Attachment 4 – Tri the Gong – Sunday Event - Plan 11 of 12





Attachment 4 – Tri the Gong – Sunday Event - Plan 12 of 12



[illegible]



RAYMOND

EXISTING CONCRETE

FOOTPATH

NEW CONCRETE PATH AND BLISTER

NEW KERB RAMP

RELOCATE SIGN

NO STOPPING

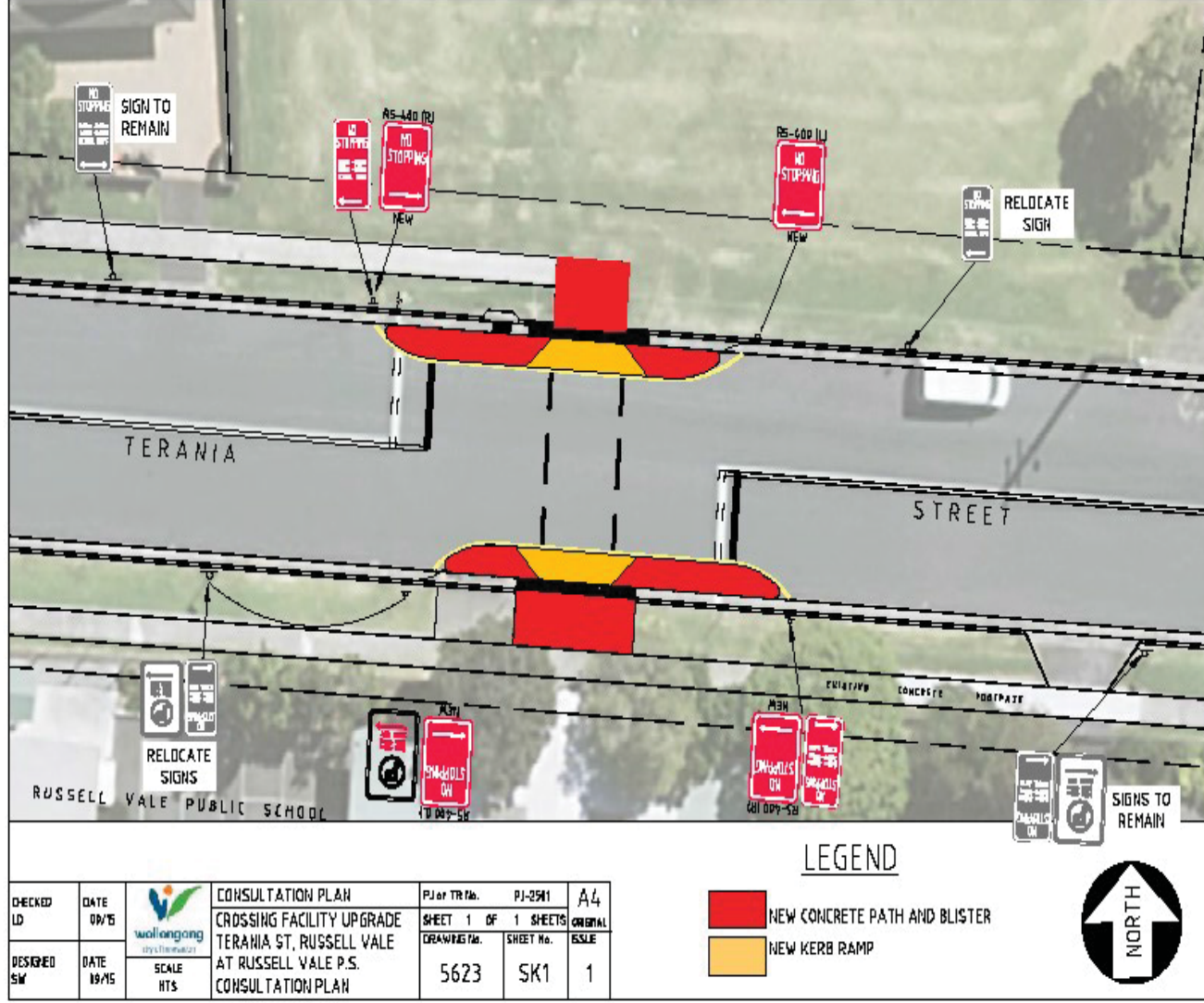
ROAD

SAINT MICHAEL'S CATHOLIC PRIMARY SCHOOL

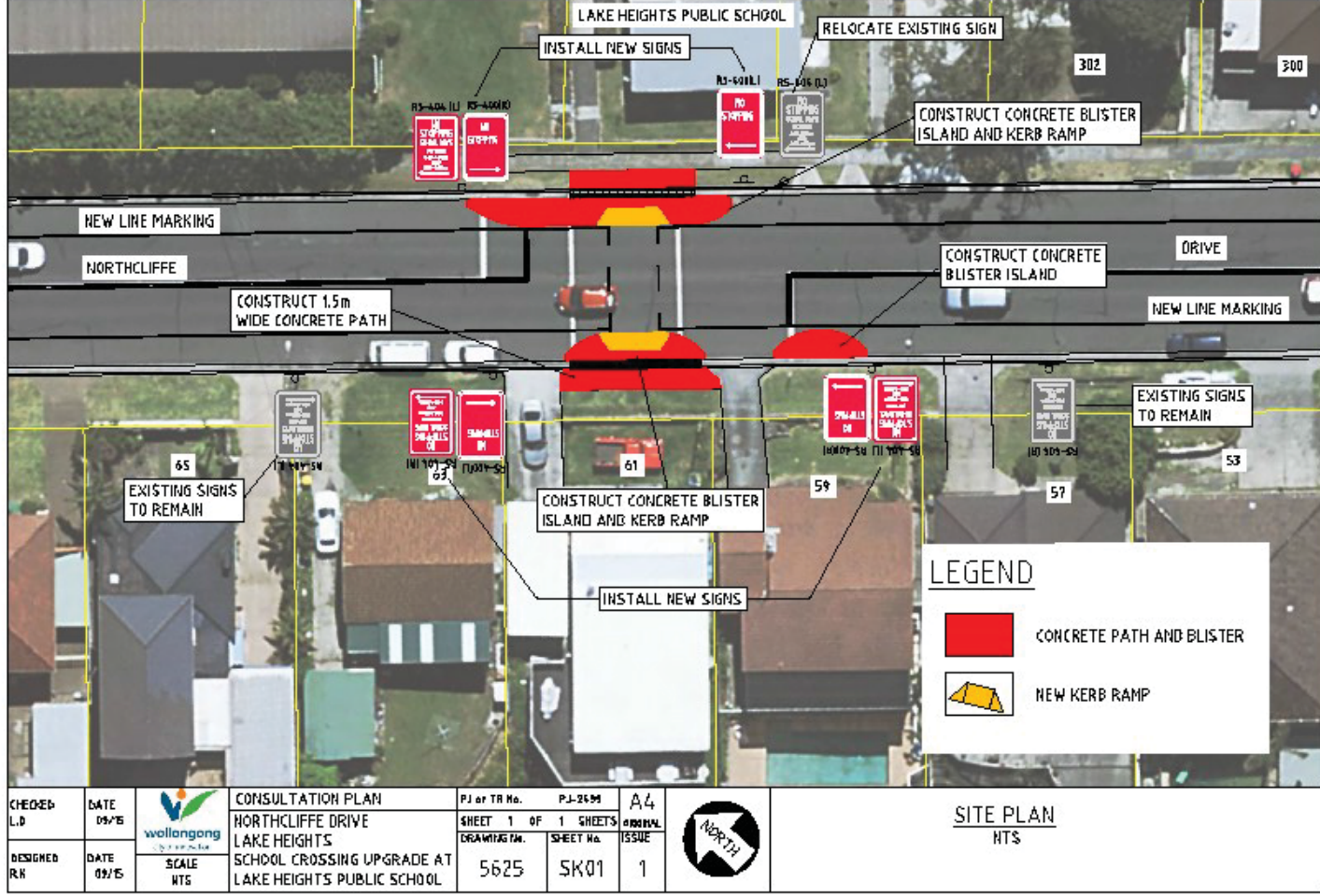
LEGEND

CHECKED LD	DATE 09/15	 woollongong city council	CONSULTATION PLAN	PJ or TR No.	PJ-2593	A4
DESIGNED SW	DATE 09/15		CROSSING FACILITY UPGRADE RAYMOND ROAD, THIRROOL AT ST MICHAELS C.P.S. CONSULTATION PLAN	SHEET 1 OF 1 SHEETS	ORIGINAL	ISSUE
		SCALE N/A		DRAWING No.	5624	
				SHEET No.	SK1	1

Attachment 7 – Terania Street, Russell Vale – Pedestrian Crossing

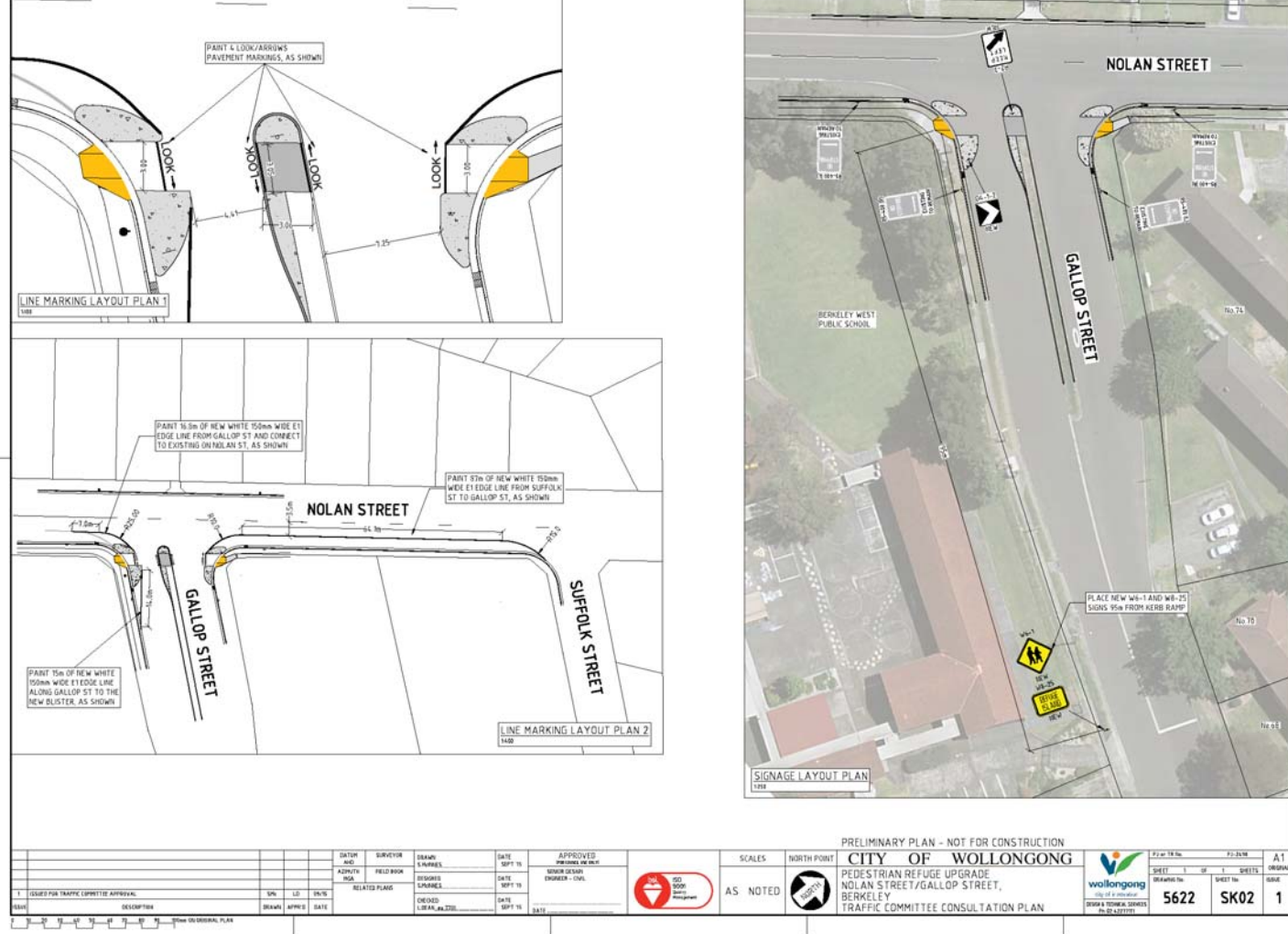


Attachment 8 - Northcliffe Drive - Pedestrian Crossing - Lake Heights Public School

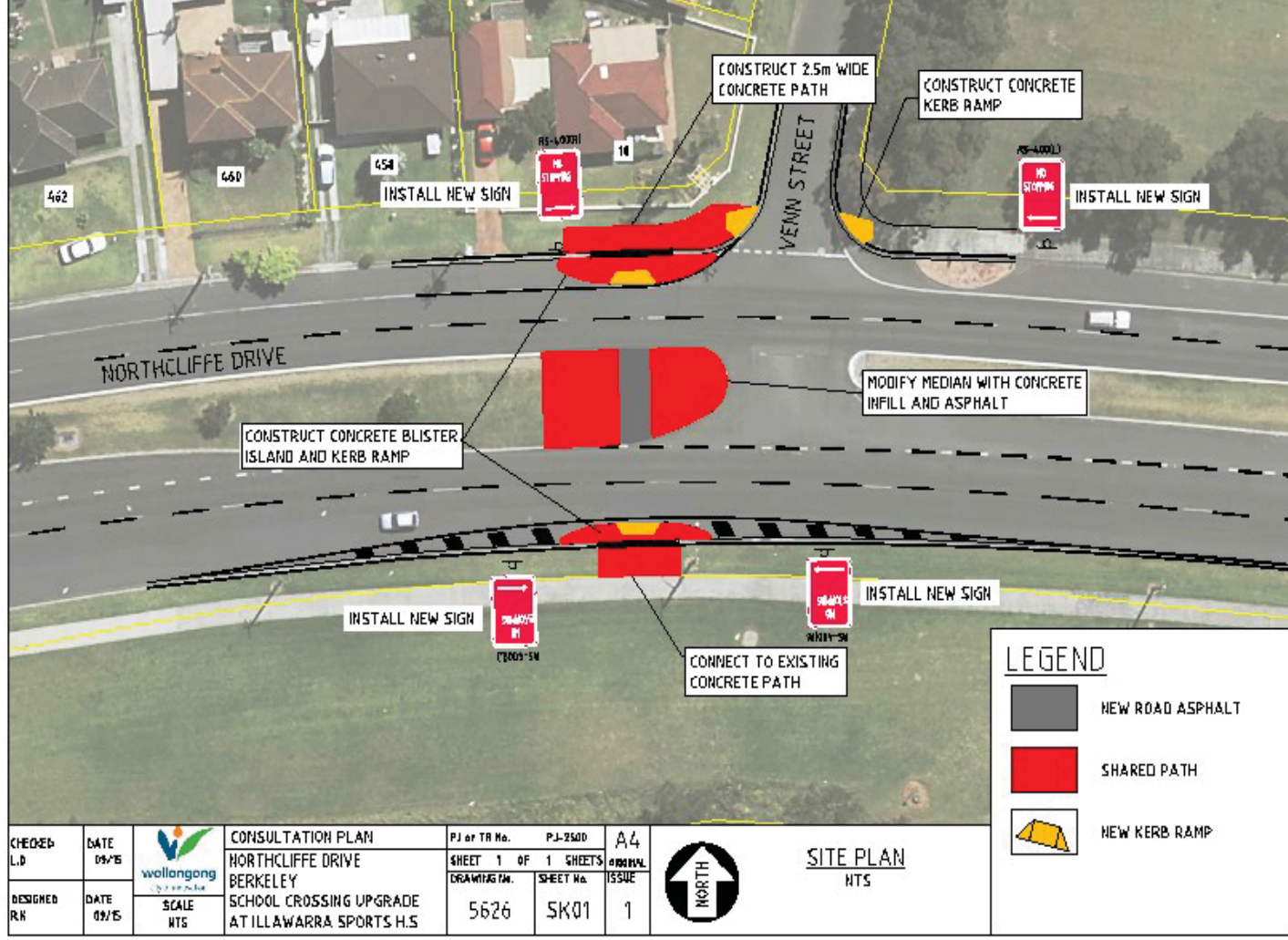




## Attachment 9 - Gallop and Nolan Streets – Pedestrian Crossing



Attachment 10 - Northcliffe Drive and Venn Street - Pedestrian Crossing - Illawarra Sports High School



Attachment 11 – Oakland Avenue, Windang – Windang Public School Crossing Upgrade

