

# MINUTES

## CITY OF WOLLONGONG TRAFFIC COMMITTEE



9.15AM ON WEDNESDAY 20<sup>TH</sup> JANUARY 2016

### 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	Traffic Engineer	Lindsay Dunstan	8.2.16
Ted Collins	Traffic Unit Manager	Ted Collins	8.2.16
Peter Nunn	Transport and Stormwater Services – Manager	Peter Nunn	8.2.16
Mike Dowd	Infrastructure Strategy and Planning – Manager	Mike Dowd	8.2.16
Mike Hyde	Director – Infrastructure and Works	Mike Hyde	8.2.16

### MINUTES ENDORSED BY

Name	Title	Signature	Date
David Farmer	General Manager	David Farmer	10.2.16

## 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



9.15AM ON WEDNESDAY 20<sup>TH</sup> JANUARY 2016

<b>PRESENT</b>	
Lindsay Dunstan	Chairman – Wollongong City Council
Snr Constable Andrew Cotton	NSW Police Force
Frank Del Bao	Roads & Maritime Services
Andy Gaudiosi	Roads & Maritime Services
Reg Jago	Representing Noreen Hay MP
Darren Albert	Representing Dion's Bus Service
Jen Nolan	Engineering Cadet – Wollongong City Council
Debra Nicholls	Administration Officer – Wollongong City Council

<b>APOLOGIES</b>	
Naomi Reid	Road Safety Officer – Wollongong City Council
Sunny Brailey	Premier Illawarra
Neil McCormack	Representing Lee Evans MP
Jenelle Rimmer	Representing Ryan Park MP
Les Dion	Dion's Bus Service

CONFIRMATION OF MINUTES OF MEETING HELD ON 18 NOVEMBER 2015.

BUSINESS ARISING – None.

## GENERAL BUSINESS

	Suburb	Street(s)	Issue
1	TARRAWANNA	Caldwell Avenue	Adjustment to bus zone
2	GWYNNEVILLE	Foley Street	Double Barrier Line and Stop Sign
3	GWYNNEVILLE	Gwynneville to Wollongong	University of Wollongong GK Shuttle Service
4	WOLLONGONG	Strathearn Avenue	Double Centre Lines
5	WOLLONGONG	Mangerton Road	Edgelines
6	UNANDERRA	Tresnan Street and Blackman Parade	Parking restrictions
7	FARMBOROUGH HEIGHTS	Panorama Drive	No U Turn Signs
8	DAPTO	Cirrus Street	Double Barrier Lines
9	YALLAH	Haywards Bay Drive	Request to modify intersection

## REGULATION OF TRAFFIC

	Suburb	Street(s)	Issue
10	WOLLONGONG	Harbour, Crown and Burelli Streets and Marine Drive	Events at WIN Stadium and the Wollongong Entertainment Centre for 2016
11	WOLLONGONG	Endeavour Drive	'Splash and Dash' Festival
12	WOLLONGONG	Crown Street, Marine Drive, Endeavour Drive and Cliff Road	'Fitness Five Fun Run'
13	KANAHOOKA - YALLAH - WINDANG - KANAHOOKA	Kanahooka Road to Yallah Bay Road	'Ride Around the Lake'

## DESIGN MATTERS

	Suburb	Street(s)	Issue
14	OTFORD	Otford Weir	Concept design for improved safety signage.
15	STANWELL PARK	Railway Crescent	Plans for proposed carpark and footpath construction
16	LAKE HEIGHTS	Northcliffe Drive	Revised design – Lake Heights Public School Crossing

## INFORMAL ITEMS (TRAFFIC ENGINEERING ADVICE ONLY)

## GENERAL BUSINESS

### 1 TARRAWANNA

Caldwell Avenue – Adjustment to Bus Zone.

**Background:**

Council has received a request to adjust the length of the bus zone in Caldwell Avenue, outside the new Illawarra Retirement Trust (IRT) complex. Bus drivers currently do not have sufficient room to enter and stop next to the bus shelter.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Relocate western post of bus zone to the edge of the central driveway of the IRT complex in Caldwell Avenue.

### 2 GWYNNEVILLE

Foley Street - Double Barrier Line and Stop Sign

**Background:**

The police have advised that when southbound traffic is banked back from the Gipps Road traffic signals, some drivers have been observed using the incorrect side of Foley's Street to turn right into Frances Street. It is understood that there was a recent incident at the Frances/Foley's Street intersection, which resulted from this illegal manoeuvre. The police have recommended the installation of double barrier lines and a Stop Sign at the intersection of Frances and Foley Streets.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install Stop Sign and 15 metres of Double Barrier Lines in Frances Street at the intersection of Foley's Street.

### 3 GWYNNEVILLE

Gwynneville to Wollongong – University of Wollongong GK Shuttle Service

**Background:**

The University of Wollongong has operated a bus shuttle service for students between Wollongong and Gwynneville for several years and it is now proposed to extend the service to incorporate clockwise and anti-clockwise services. The UOW has mapped the home addresses of students to develop the shuttle routes which will best service the student population living off campus. Where possible, the shuttle will use existing bus zones, but for part of the two routes several stopping locations need to be established.

The shuttle services will operate only during University term time on weekdays and at a reduced schedule for part of the exam periods. For this reason, it is not appropriate to establish the stopping points as bus zones but restrictions can be sign posted 'No Parking - Buses Excepted - Monday to Friday'

- Southern side of Sperry Street immediately to the east of Matthews Street
- Southern side of Greenacre Road immediately west of Hillcrest Street
- Southern side of Dempster Street immediately west of Rosemont Street

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install areas of 'No Parking - Buses Excepted - Monday to Friday' as follows:

- Southern side of Sperry Street immediately to the east of Matthews Street
- Southern side of Greenacre Road immediately west of Hillcrest Street
- Southern side of Dempster Street immediately west of Rosemont Street

**4 WOLLONGONG**

Strathearn Avenue – Double Centre Lines

**Background:**

Council has received a request for double centre lines to be installed in Strathearn Avenue on the crest and curve in the vicinity of the intersection with Mailer Avenue.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install double barrier centre lines on Strathearn Avenue for a distance of 30 metres by the side of the intersection with Mailer Avenue.

**5 WOLLONGONG**

Mangerton Road – Edgelines

**Background:**

Council has received a request for a treatment to discourage the drivers from speeding on Mangerton Road. The street is wide enough to permit edgelines and traffic volumes are above the recommended levels for the installation of edgelines to complement the existing marked centreline.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install edgelines on both sides of Mangerton Road between Crown Street and Rowland Avenue

**6 UNANDERRA**

Tresnan Street and Blackman Parade – Parking Restrictions

**Background:**

Premier Illawarra has advised that cars parked in Tresnan Street near the intersection with Blackman Parade often obstruct the passage of a school bus service, due to the throat of the intersection being narrow.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install 'No Stopping' restrictions for a distance of 10 metres for each leg of the intersection of Tresnan Street and Blackman Parade.

**7 FARMBOROUGH HEIGHTS**

Panorama Drive – Additional Pavement Arrows

**Background:**

The Farmborough Heights/Unanderra Neighbourhood Watch Group has asked Council to consider ways to discourage residents from travelling on the incorrect side of the divided portion of Panorama Drive to access their homes.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install One Way directional pavement arrows in Panorama Drive on both carriageways, east of Nielson Street.

**8 DAPTO**

Cirrus Street and Craig Crescent – Double Barrier Lines

**Background:**

Residents have complained that at the southernmost intersection of Cirrus Street and Craig Crescent drivers cut the corner and travel on the incorrect side of Craig Crescent. As residents in the area do not park at the kerb, as a result of driver behaviour, the extension of the double barrier centre lines may assist in slowing traffic and ensuring drivers keep to the correct side of the road.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Extend the existing double barrier lines in Craig Crescent to the edge of the driveway at the rear of 19 Cirrus Street, Dapto.

## 9 YALLAH

Haywards Bay Drive – Amendments to intersection

### Background:

Following reports of vehicles failing to stop at the intersection of Yallah Road and Haywards Bay Drive, Council is looking to improve safety at this intersection. The current intersection gives right of way to traffic entering from Haywards bay drive. Stop signs are installed on both approaches from Yallah Road. Currently driver sight distance is limited.

Due to traffic restrictions from car trailers entering and exiting the car dealership west of the intersection; all Traffic Control measures need to be achieved by line marking. To improve safety at the intersection; two options have been considered and were presented at the meeting.

Both of these options feature a painted island; the aim of which is explained below:

### Option 1:

Aims to improve sight distance by moving stopping lines up to intersection. The island directs traffic away from the centre of Yallah Road to allow for trucks to turn south onto Yallah Road. It will also slow approaching Northbound Traffic due to narrowing of the lane entering intersection.

### Option 2:

Aims to direct traffic towards the approaching 'right of way traffic' to improve sight distance for Northbound Traffic on Yallah road. It will also slow approaching Northbound Traffic due to narrowing of the lane entering intersection.

### PROPOSAL SUPPORTED UNANIMOUSLY

Install line marking as listed in Option 1; above which relocates the stop line close to the intersection along with a new painted centre island.

## REGULATION OF TRAFFIC

## 10 WOLLONGONG

Harbour, Crown and Burelli Streets and Marine Drive:

Events at WIN Stadium and the Wollongong Entertainment Centre for 2016.

### Background:

As in previous years the General Manager of the WIN Sports & Entertainment Centre has requested approval for road closures and the regulation of traffic associated with the major events in 2016.

Date	WIN Stadium Major Events
Sunday 27 <sup>th</sup> March - 1pm to 6pm	Dragons V Penrith Panthers - 3pm Game
Saturday 28 <sup>th</sup> May - 5.30pm to 10.30pm	Dragons V North Qld Cowboys - 7.30pm Game
Saturday 18 <sup>th</sup> June - 5.30pm to 10.30pm	Dragons V Melbourne Storm - 7.30pm Game
Weekend of 5 <sup>th</sup> - 8 <sup>th</sup> August	Dragons V Brisbane Broncos
26 <sup>th</sup> and 27 <sup>th</sup> August	Southern Stars School Spectacular
Thursday 17 <sup>th</sup> November - 11am to 1pm	Kidswish Christmas Party
December 2016 - Date to be confirmed	The Wiggles
Nitro-Circus and Motocross	Dates to be confirmed

**NRL Events** - Under arrangements with the NRL there are now just four home games for the St George Illawarra Dragons at WIN Stadium in 2016. The crowds expected for these four home games are in the range of 10 – 15,000 and accordingly it is proposed to use the Type 2 Traffic Management Plans. (Attachment 2).

The NRL events will involve the closure of the southbound lane of Harbour Street between Crown and Burelli Streets and the closure of Harbour Street between Burelli and Stewart Streets. There will also be traffic controllers at the intersection of Crown and Harbour Streets during the period before each games commences and at the conclusion of the games.

The applicant also proposes to install variable message board signs on the key routes in and out of Wollongong with permission from NSW RMS. These signs will direct the attendees to the most appropriate routes to and from the venue.

**Southern Stars Event** - on the main performance days on the 26<sup>th</sup> and 27<sup>th</sup> August involves a Type 2 Traffic Management Plan (Attachment 2) the same as NRL games. The closures of Harbour Street will take effect during the day on the 26<sup>th</sup> of August with the closures extending into the evening on the 27<sup>th</sup> and covering the evening performance.

During performances on the 26<sup>th</sup> and 27<sup>th</sup> traffic controllers will be in place at the intersection of Crown and Harbour Streets between 6pm and 7pm and from 10pm to 11pm. It is proposed to close Marine Drive between Crown Street and Cliff Road on 26<sup>th</sup> August between 8am and 3pm to provide the bus parking and manoeuvring area.

**Kidswish Christmas Party** – This will involve a Type 1 Traffic Management Plan (Attachment 2) as proposed with the development application for the current WEC and WIN Stadium, to accommodate 5 – 10,000 attendees. This traffic management plan involves the closure of Harbour Street between Stewart and Burelli Streets and the closure of the southbound lane of Harbour Street between Crown and Burelli Streets.

For all the events scheduled above for NRL events, Southern Stars and Kidswish at the WEC and WIN Stadium, there will be temporary 'No Parking' zones set up on the northern side of Burelli Street between Corrimal and Harbour Street and in Stewart Street immediately to the west of the Steelers Car Park.

**Nitro-Circus and Motocross** - It is understood negotiations are underway to have these two events in Wollongong during 2016, but the dates are yet to be fixed. The Type 2 Traffic Management Plan (Attachment 2) is expected to be adequate to accommodate the crowd numbers to each of these events, where the one way section of Harbour Street (between Stewart and Burelli Streets) and the south bound section between Crown and Burelli Streets will close for the duration, and traffic controllers in place to manage crowds at the start and finish of the events.

All the road closures at the WEC and WIN stadium are subject to Council's Standard conditions for road closures, (Attachment 1) including the permits required under section 138 of the State Roads Act and permission from NSW Roads & Maritime Services.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

The submitted Type 2 Traffic Management Plans (Attachment 2) for the NRL, Nitro-Circus and Motocross events be approved, together with the Type 1 Traffic Management Plan (Attachment 2) for the Kids Wish event. The submitted Type 2 Traffic Management Plan (Attachment 2) for Southern Stars also be approved.

#### **11 WOLLONGONG**

Endeavour Drive – 'Splash and Dash' Festival - Sunday 20 March 2016 – 8am to 12 Noon

##### **Background:**

The event known as the 'Splash and Dash' Festival is to be held on Sunday 20<sup>th</sup> March 2016. The organisers will not need to use Lang Park as was the case in 2015 and the event involves a closure of Endeavour Drive between the access road from the Harbour and the surface car parks. The closure will take effect from 8am until 12 noon.

#### **PROPOSAL SUPPORTED UNANIMOUSLY**

The proposed road closure be approved subject to the submitted traffic management plans (Attachment 3) and Council's Standard Conditions (Attachment 1).

12 **WOLLONGONG**

Crown Street, Marine Drive, Endeavour Drive and Cliff Road –  
'Fitness Five Fun Run' Event - Sunday 3 April 2016 from 8am to 10am

**Background:**

Kembla Joggers are proposing to hold the 2016 'Fitness Five Fun Run' event on Sunday the 3<sup>rd</sup> April 2016 with road closures from 8am to 10am. This year the event will include a 10km event in memory of Kerry McCann and the road closures are 1 hour longer than in previous years.

It is expected that normal traffic flows, particularly in Cliff Road, will be restored by 10am. Access to the Novotel Northbeach from Bourke Street will be maintained at all times.

As the event starts and finishes in lower Crown Street, Crown Street is to be closed between Kembla Street and Marine Drive with traffic diversions to the north via Smith, Corrimal and Market Streets and to the south via Corrimal to either Burelli and/or Stewart Streets. Marine Drive and Crown Street will be closed for the duration of event, but buses will be permitted to cross the route when safe to do so, rather than require any of the bus services to be diverted.

Only the out bound part of the event will use the carriageway of Cliff Road, with the return leg using the shared path north to Towradgi and then return via Endeavour Drive between North Beach and the eastern end of Crown Street; accordingly Cliff Road will be re-opened as soon as the last competitor reaches North Beach.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The regulation of traffic for the 2016 'Fitness Five Fun Run' event (Attachment 4) be approved subject to the submitted traffic management plans and Council's Standard Conditions for Road Closures (Attachment 1).

13 **KANAHOOKA – YALLAH – WINDANG - KANAHOOKA**

Kanahooka Road to Yallah Bay Road – 'Ride Around the Lake'

**Background:**

The 2016 'Ride around the Lake' Event is to be held on Saturday the 7<sup>th</sup> May 2016 and is a community bike ride which raises funds for local charities. The event begins and finishes at Kanahooka Point and on Wollongong local roads involves the regulation of traffic but no road closures. The event is held as much as possible on the shared paths in both Shellharbour and Wollongong and in the case of several narrow bridges participants will be directed to dismount to ensure a safe passage. The traffic controls are required on Northcliffe Drive, Berkeley at each of the M1 ramps. A temporary 40 kph speed limit will be installed on Northcliffe Drive for westbound traffic for the period 4.30am to 11.30am on the day.

It is understood the single lane closure of the M1 at the crossing of the Macquarie Rivulet Bridge is acceptable to NSW Roads and Maritime Services.

**PROPOSAL SUPPORTED UNANIMOUSLY**

The regulation of traffic for the 2016 'Ride around the Lake' event (Attachment 5) be approved subject to the submitted traffic management plans and Council's Standard Conditions for Road Closures (Attachment 1).

DESIGN MATTERS

14 **OTFORD**

Otford Weir

**Background:**

Council has prepared a concept design for improved safety signage and markers at Otford Weir for consideration.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Install stop signs on each approach together with the flood warning sign. (Attachment 6).

15 **STANWELL PARK**

Railway Crescent

**Background:**

Council's design team has submitted plans for comments and approval of the carpark, footpath and stormwater drainage.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan 5209-C02-2 be approved. (Attachment 7).

16 **LAKE HEIGHTS**

Northcliffe Drive – Lake Heights Public School Crossing

**Background:**

The design has been revised to take into account community consultation comments. Specifically the kerb blister has been removed from outside No. 59 Northcliffe Drive and the full-time No Stopping and timed No Stopping relocated on the southern side of Northcliffe Drive to maintain the existing parking outside of No. 58 & No.63 Northcliffe Drive between school times 8:00am to 9:30am and 2:30pm to 4:00pm.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan 5625-C01-B be approved. (Attachment 8).

LATE ITEMS

17 **THIRROUL**

211 Lawrence Hargrave Drive – Adjustment to shared path near existing bus zone.

**Background:**

Council has prepared plans for adjustments to the shared path in the vicinity of the bus zone and shelter at 211 Lawrence Hargrave Drive, Thirroul. The shared path will be sign posted to separate cyclists and pedestrians at this location.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan No: 5587 be approved. (Attachment 9).

18 **WOLLONGONG**

George Henley Drive, Stuart Park – Shared Path

**Background:**

Council has prepared plans to adjust the shared path from Stuart Park where a new junction with the path on George Hanley Drive will be constructed. A new slow pavement sign and tactile lines are to be installed on the George Handley Drive Shared Path.

**PROPOSAL SUPPORTED UNANIMOUSLY**

Plan No: 5478-CO1-A be approved. (Attachment 10).

The meeting concluded at 12.30pm.

Minutes to be confirmed at the next meeting to be held at 9.15am on Wednesday 17<sup>th</sup> February 2016. .

<b>2016 Meeting Schedule</b>			
Wednesday 17 February	Administration Building, <b>Level 8</b> Conference Room	9.15am – 2.00pm	
Wednesday 9 March	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 13 April	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 4 May	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 25 May	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 29 June	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 20 July	Administration Building, <b>Level 8</b> Conference Room	9.15am – 2.00pm	
Wednesday 10 August	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 14 September	Administration Building, <b>Level 9</b> Function Room	9.15am – 2.00pm	
Wednesday 5 October	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 26 October	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	
Wednesday 16 November	Administration Building, Level 10, Rooms 2 and 3	9.15am – 2.00pm	

Attachment 1 – Standard Conditions

**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:**

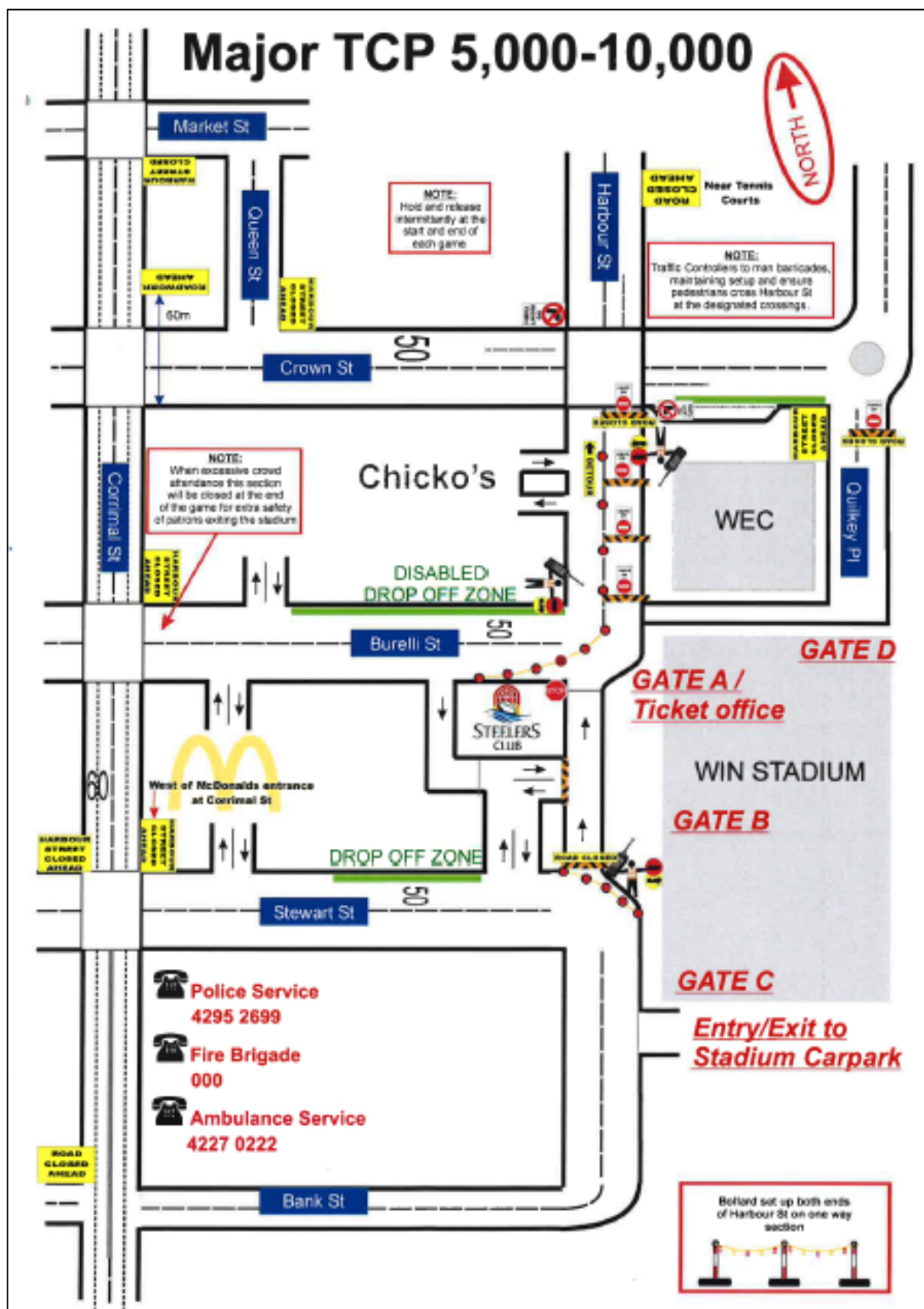
- ☒ **Completed Council Form:**  
*'Application to Open and Occupy or Underbore a Roadway or Footpath'.*

**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

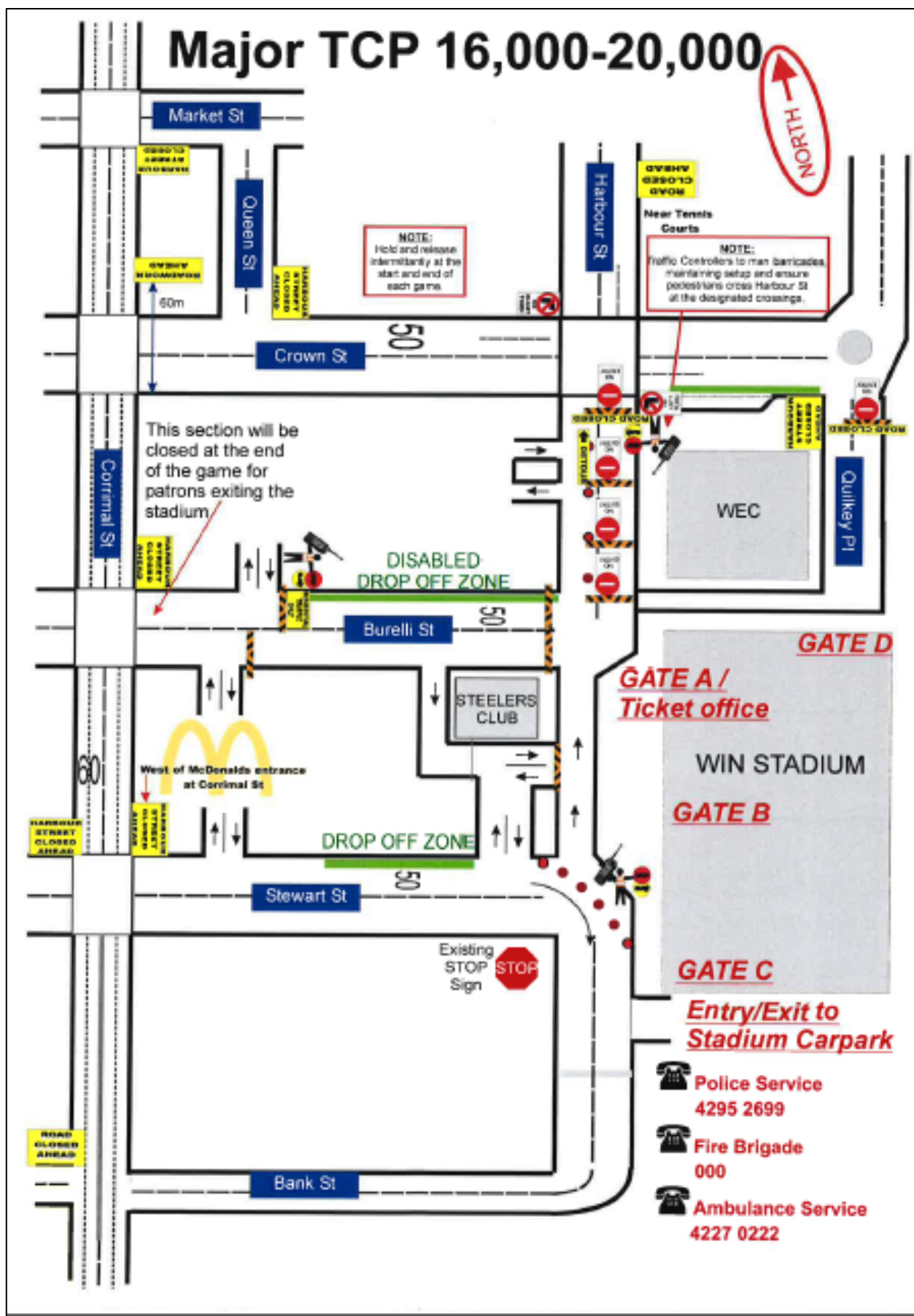
**Applications may be lodged** in the Customer Service Centre located on the Ground Floor of Council's Administration Building, 41 Burelli Street Wollongong between 8.30am and 5pm Monday to Friday.

## Attachment 2 – WEC and WIN Stadium Events – Type 1



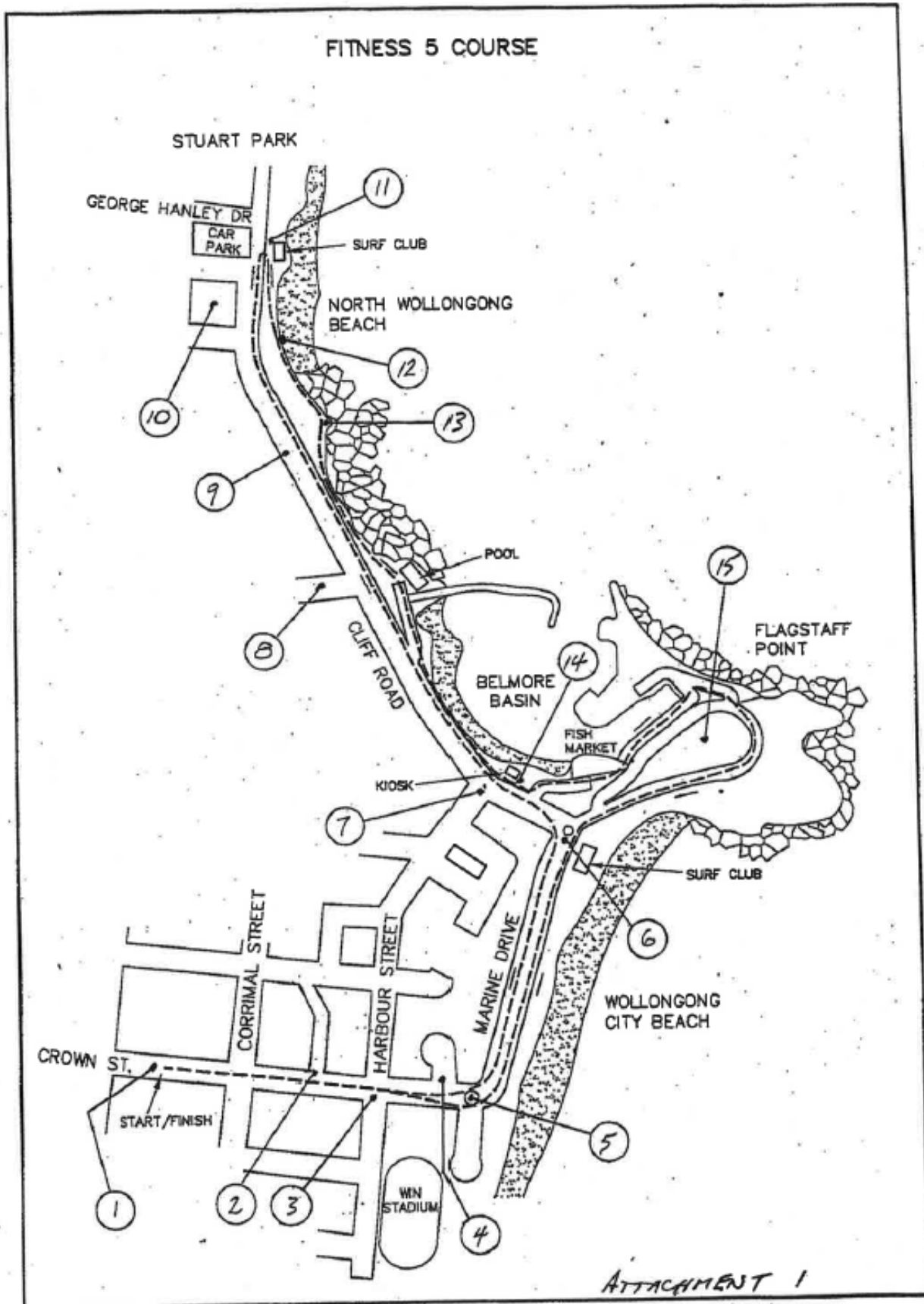


## Attachment 2 – WEC and WIN Stadium Events – Type 3

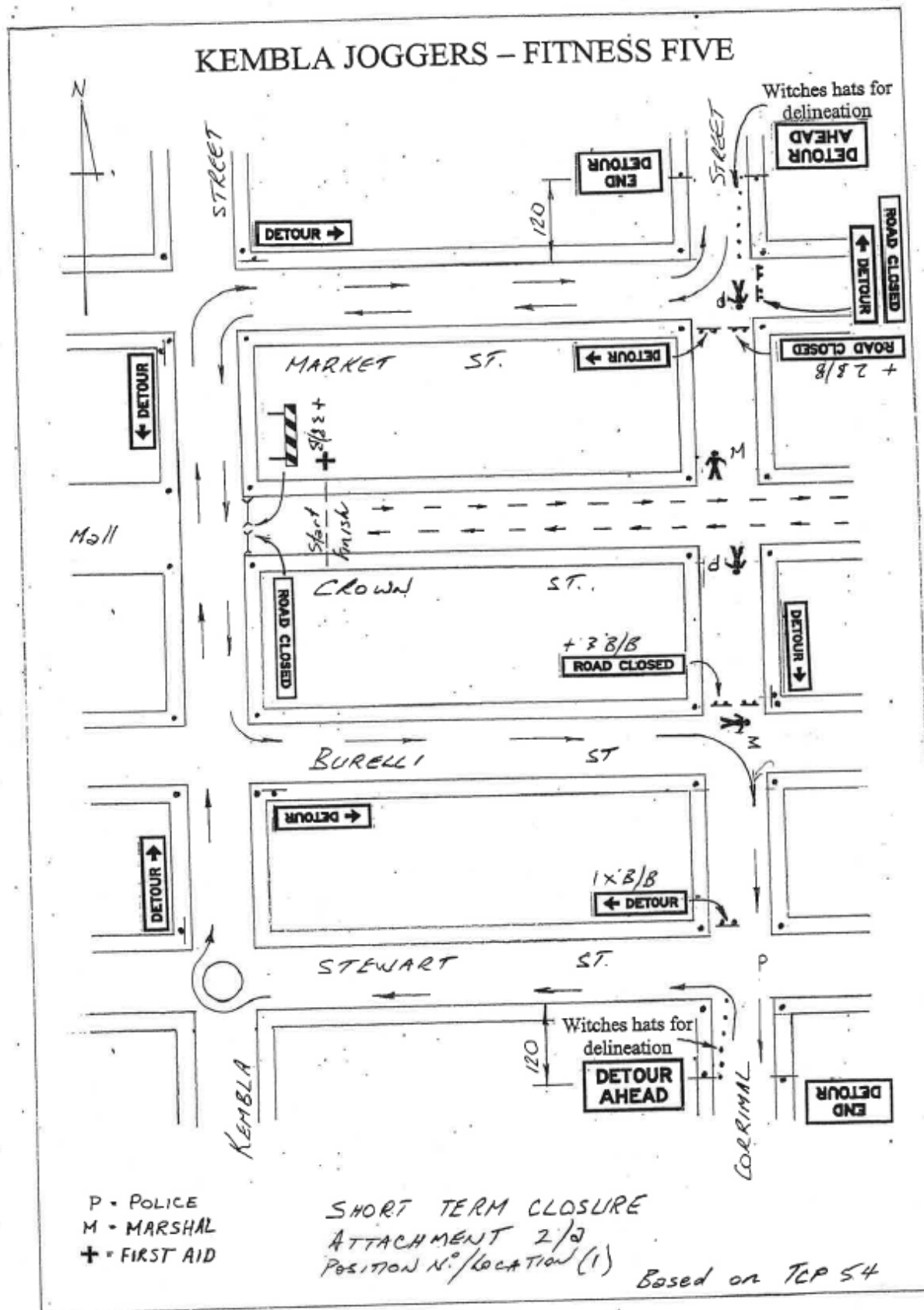




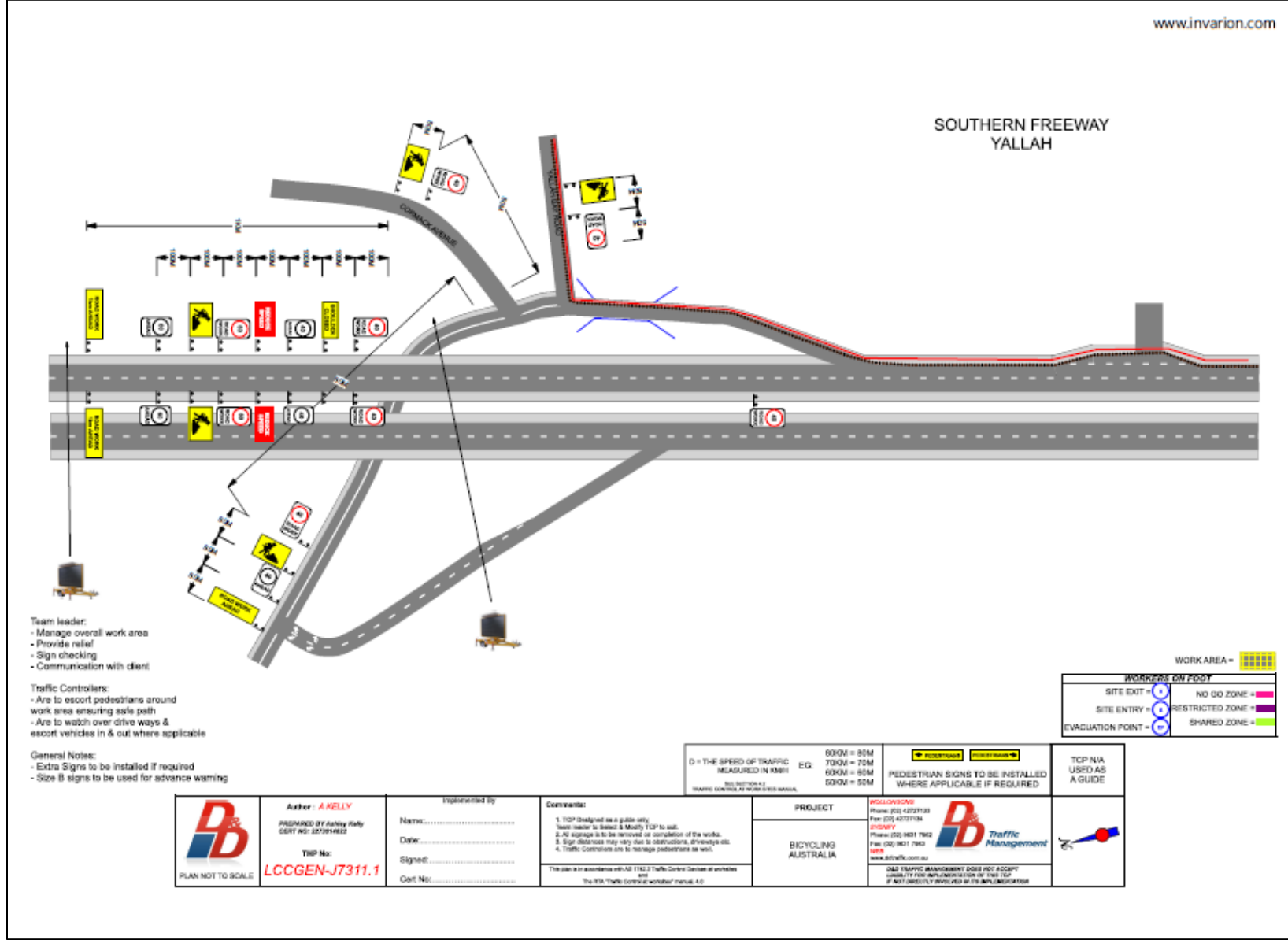
Attachment 4 – 'Fitness Five Fun Run' Event - 1 of 2



Attachment 4 – 'Fitness Five Fun Run' Event – 2 of 2



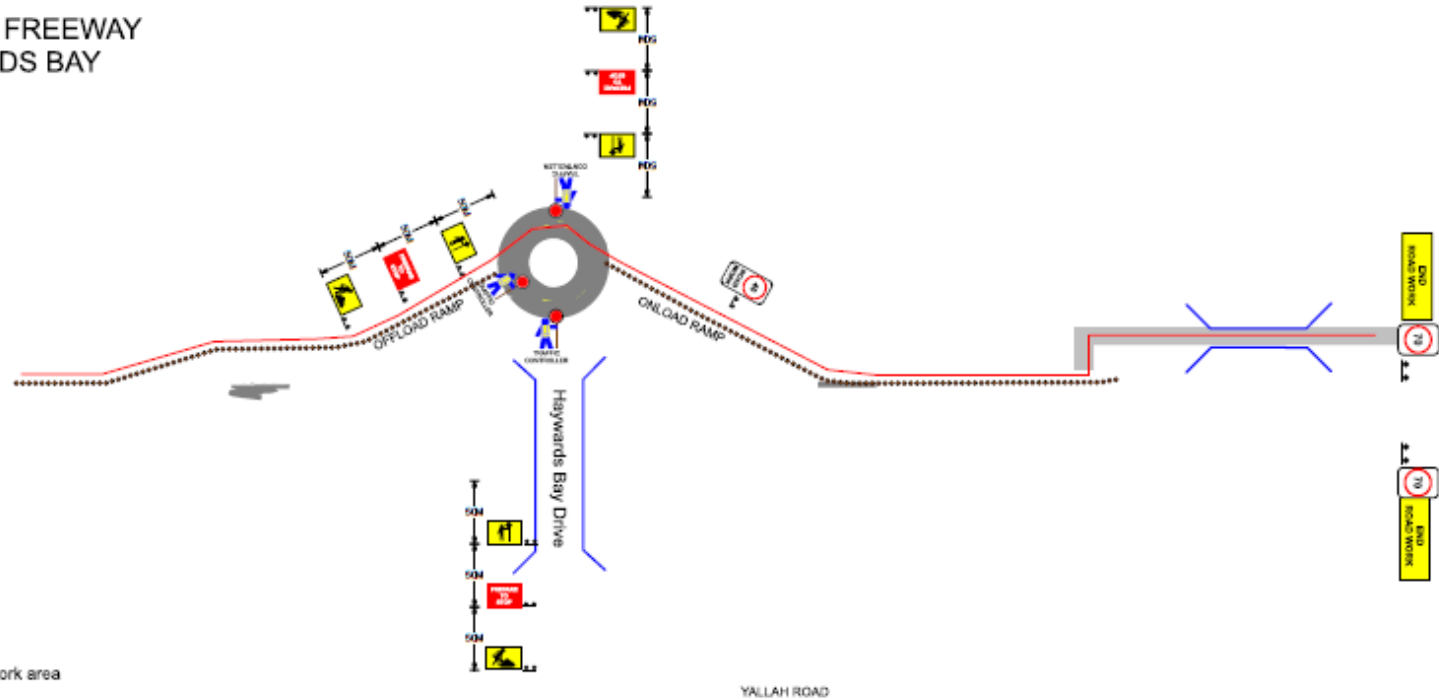
Attachment 5 – 'Ride Around the Lake' – 1 of 4



## Attachment 5 – 'Ride around the Lake' – 2 of 4

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### SOUTHERN FREEWAY HAYWARDS BAY



**Team leader:**

- Manage overall work area
- Provide relief
- Sign checking
- Communication with client

**Traffic Controllers:**

- Are to escort pedestrians around work area ensuring safe path
- Are to watch over drive ways & escort vehicles in & out where applicable

**General Notes:**




- Extra Signs to be installed if required
- Size B signs to be used for advance warning

**WORK AREA =** 10m x 10m

WORKERS ON FOOT	
SITE EXIT = <span style="background-color: blue; color: white; border-radius: 50%; padding: 2px;">X</span>	NO GO ZONE = <span style="background-color: red; width: 20px; height: 10px; display: inline-block;"></span>
SITE ENTRY = <span style="background-color: blue; color: white; border-radius: 50%; padding: 2px;">Y</span>	RESTRICTED ZONE = <span style="background-color: green; width: 20px; height: 10px; display: inline-block;"></span>
EVACUATION POINT = <span style="background-color: blue; color: white; border-radius: 50%; padding: 2px;">Z</span>	SHARED ZONE = <span style="background-color: yellow; width: 20px; height: 10px; display: inline-block;"></span>

**D = THE SPEED OF TRAFFIC MEASURED IN KM/H**      **EG:** 80KM = 80M  
70KM = 70M  
60KM = 60M  
50KM = 50M

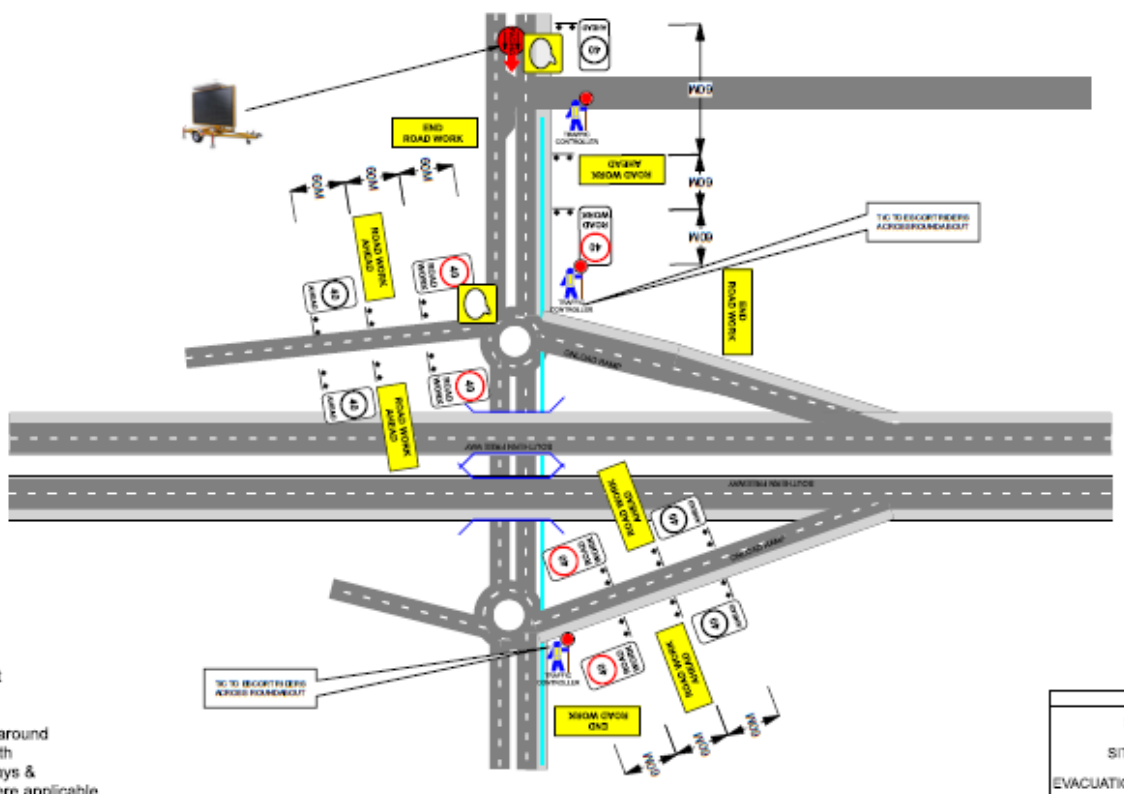
SEE SECTION 4.2  
TRAFFIC CONTROL AT WORK SITES MANUAL

 PLAN NOT TO SCALE	<b>Author : A KELLY</b>  PREPARED BY Ashley Kelly CERT NO: 2273514622  <b>TMP No:</b> <span style="color: red; font-weight: bold;">LCCGEN-J7311.2</span>	<b>Implemented By</b>  Name:..... Date:..... Signed:..... Cert No:.....	<b>Comments:</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 the works. 3. Sign distances may vary due to obstructions, driveways etc. 4. Traffic Controllers are to manage pedestrians as well.  This plan is in accordance with AS 1742.3 Traffic Control Devices at work sites and The RTA "Traffic Control at work sites" manual, 4.0	<b>PROJECT</b>  BICYCLING AUSTRALIA	<b>WOLLONGONG</b> Phone: (02) 42727133 Fax: (02) 42727134 <b>SYDNEY</b> Phone: (02) 9631 7952 Fax: (02) 9631 7953 <b>WTC</b> www.dstraffic.com.au  	TCP 83 USED AS A GUIDE  
	PEDESTRIAN SIGNS TO BE INSTALLED WHERE APPLICABLE IF REQUIRED  DBD TRAFFIC MANAGEMENT DOES NOT ACCEPT LIABILITY FOR IMPLEMENTATION OF THIS TCP IF NOT DIRECTLY INVOLVED IN ITS IMPLEMENTATION					

Attachment 5 – 'Ride around the Lake' – 3 of 4

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## F6 OFFLOAD RAMP AT NORTHCLIFFE DR



**Team leader:**

- Manage overall work area
- Provide relief
- Sign checking
- Communication with client

**Traffic Controllers:**

- Are to escort pedestrians around work area ensuring safe path
- Are to watch over drive ways & escort vehicles in & out where applicable

**General Notes:**

- Extra Signs to be installed if required
- Size B signs to be used for advance warning

**WORKERS ON FOOT**

SITE EXIT =	NO GO ZONE =
SITE ENTRY =	RESTRICTED ZONE =
EVACUATION POINT =	SHARED ZONE =

**PEDESTRIAN SIGNS TO BE INSTALLED WHERE APPLICABLE IF REQUIRED**

**TCP N/A USED AS A GUIDE**

**PROJECT**

**BICYCLING AUSTRALIA**

**WOLLONGONG**  
Phone: (02) 42271133  
Fax: (02) 42271134

**SYDNEY**  
Phone: (02) 9631 7952  
Fax: (02) 9631 7963  
WEB  
www.dtdtraffic.com.au

**D&D TRAFFIC MANAGEMENT DOES NOT ACCEPT LIABILITY FOR IMPLEMENTATION OF THIS TCP IF NOT DIRECTLY INVOLVED IN ITS IMPLEMENTATION**

**Author : A KELLY**  
PREPARED BY Ashley Kelly  
CERT NO: 2273014622

**TMP No:**  
**LCCGEN-J7311.3**

**Implemented By**

Name:.....

Date:.....

Signed:.....

Cert No:.....

**Comments:**

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 the works.
3. Sign distances may vary due to obstructions, driveways etc.
4. Traffic Controllers are to manage pedestrians as well.

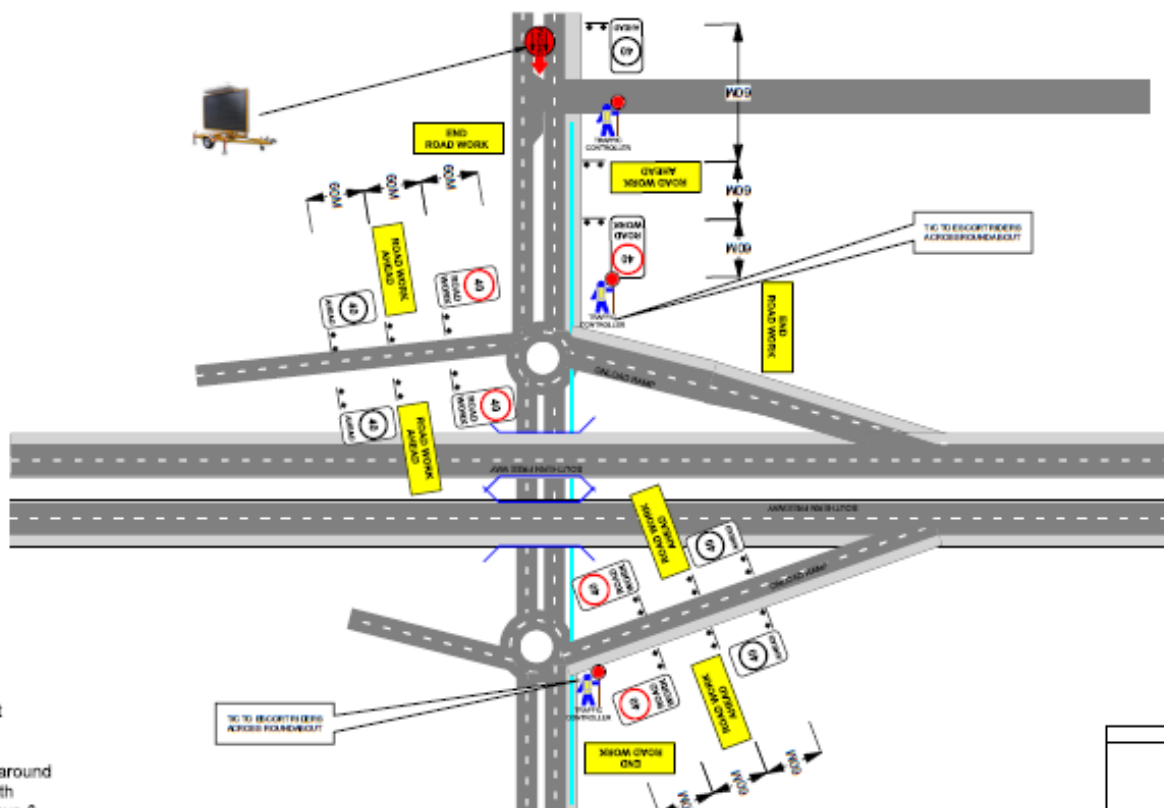
This plan is in accordance with AS 1742.3 Traffic Control Devices at work sites and The RTA "Traffic Control at work sites" manual. 4.0

PLAN NOT TO SCALE

## Attachment 5 – ‘Ride around the Lake’ – 4 of 4

## F6 OFFLOAD RAMP AT NORTHCLIFFE DR

[www.invarion.com](http://www.invarion.com)









- Manage overall work area
- Provide relief
- Sign checking
- Communication with client

**Traffic Controllers:**

- Are to escort pedestrians around work area ensuring safe path
- Are to watch over drive ways & escort vehicles in & out where applicable

General Notes:  
- Extra Signs to be installed if required  
- Size B signs to be used for advance warning




WORK AREA = 

WORKERS ON FOOT	
SITE EXIT = 	NO GO ZONE = 
SITE ENTRY = 	RESTRICTED ZONE = 
EVACUATION POINT = 	SHARED ZONE = 

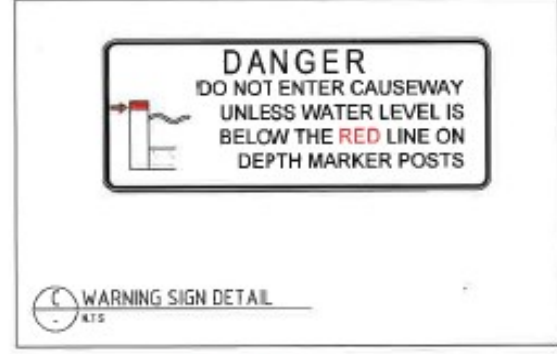
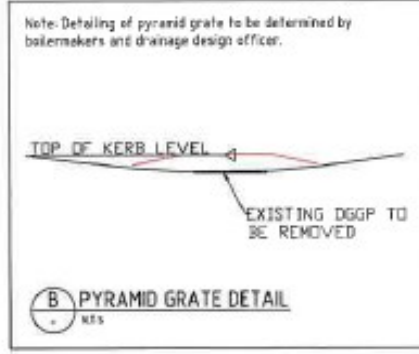
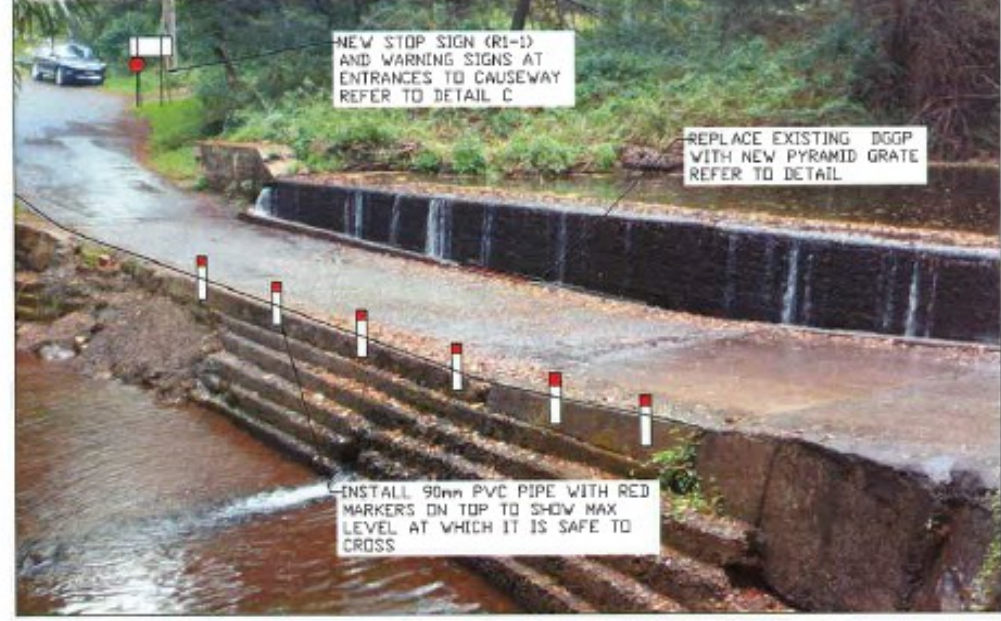
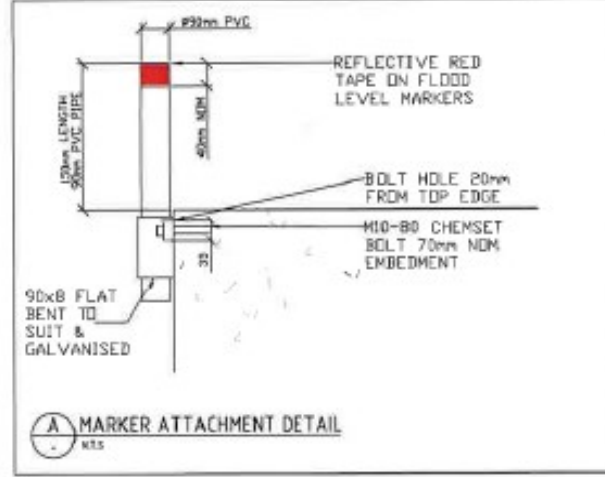
D = THE SPEED OF TRAFFIC MEASURED IN KM/H	EG:	80KM = 80M 70KM = 70M 60KM = 60M 50KM = 50M
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PEDESTRIAN SIGNS TO BE INSTALLED  
WHERE APPLICABLE IF REQUIRED

TCP N/A  
USED AS  
A GUIDE

 PLAN NOT TO SCALE	Author : <b>A KELLY</b>  PREPARED BY Ashley Kelly CERT NO: 2273014622	Implemented By  Name:.....  Date:.....  Signed:.....  Cert No:.....	Comments:  1. TOP Designed as a guide only. Team leader to Select & Modify TOP to suit. 2. All signage is to be removed on completion of the works. 3. Sign distances may vary due to obstructions, driveways etc. 4. Traffic Controllers are to manage pedestrians as well.	PROJECT  BICYCLING AUSTRALIA	MOLLONGONG Phone: (02) 42727133 Fax: (02) 42727134 SYDNEY Phone: (02) 9631 7952 Fax: (02) 9631 7963 WEB <a href="http://www.dtraffic.com.au">www.dtraffic.com.au</a>	 
	This plan is in accordance with AS 1742.3 Traffic Control Devices at workspaces and The RDA "Traffic Control at workspaces" manual. 4.0			D&D TRAFFIC MANAGEMENT DOES NOT ACCEPT LIABILITY FOR IMPLEMENTATION OF THIS TOP IF NOT DIRECTLY INVOLVED IN ITS IMPLEMENTATION		

Attachment 6 – Offord Weir



**POST FIXING NOTES**

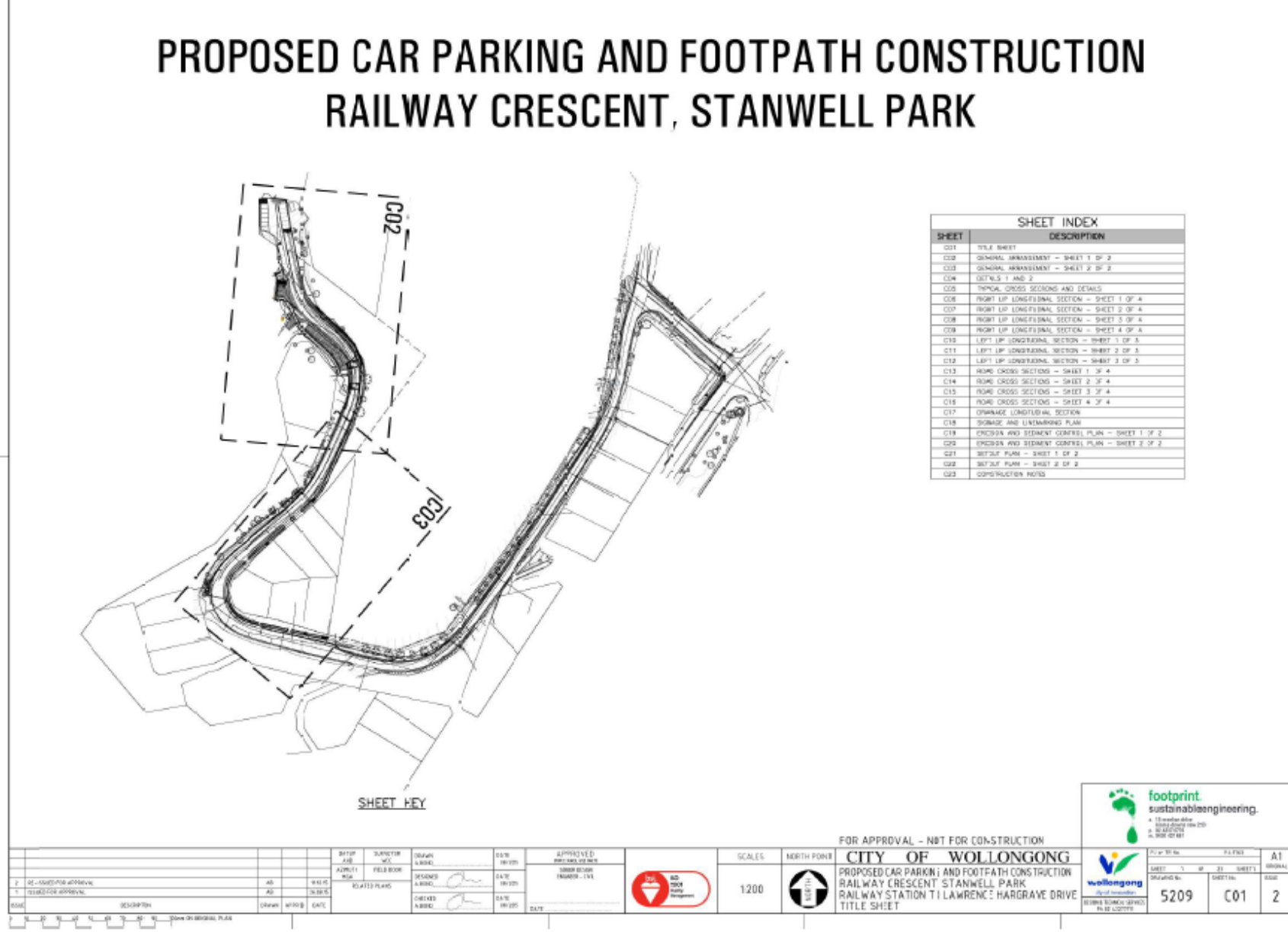
- DRILLING**
- HOLE DIMENSIONS MUST BE STRICTLY IN ACCORDANCE WITH DRAWINGS
  - BLOW OUT HOLE TO CLEAR DUST AND LOOSE MATERIAL. DO NOT USE WATER OR SOLVENTS.
- CHEMICAL ANCHORS**
- DESIGN ASSUMES RAMSET 'CHEMSET 161' PLACED BY INJECTION. IF AN ALTERNATIVE PRODUCT IS PROPOSED, CONFIRM THAT THE BOND BETWEEN EPOXY AND CONCRETE WILL BE STRONGER THAN THE SHEAR STRENGTH OF THE CONCRETE.

**BOLTS**

- M10 | GRADE 4.6 | 80 LONG | HOT DIP GALVANISED
  - ALL NUTS AND WASHERS TO BE HOT DIP GALVANISED
- MORTAR BED**
- PACK MORTAR FIRMLY, ENSURING ENTIRE CAVITY BETWEEN FOOTPLATE AND CONCRETE IS FILLED
  - FINISH EDGES TO SHED WATER AWAY FROM FOOTPLATE
  - MIX MORTAR WITH 3 SAND : 1 CEMENT OR USE PROPRIETARY BEAM PACKING GROUT

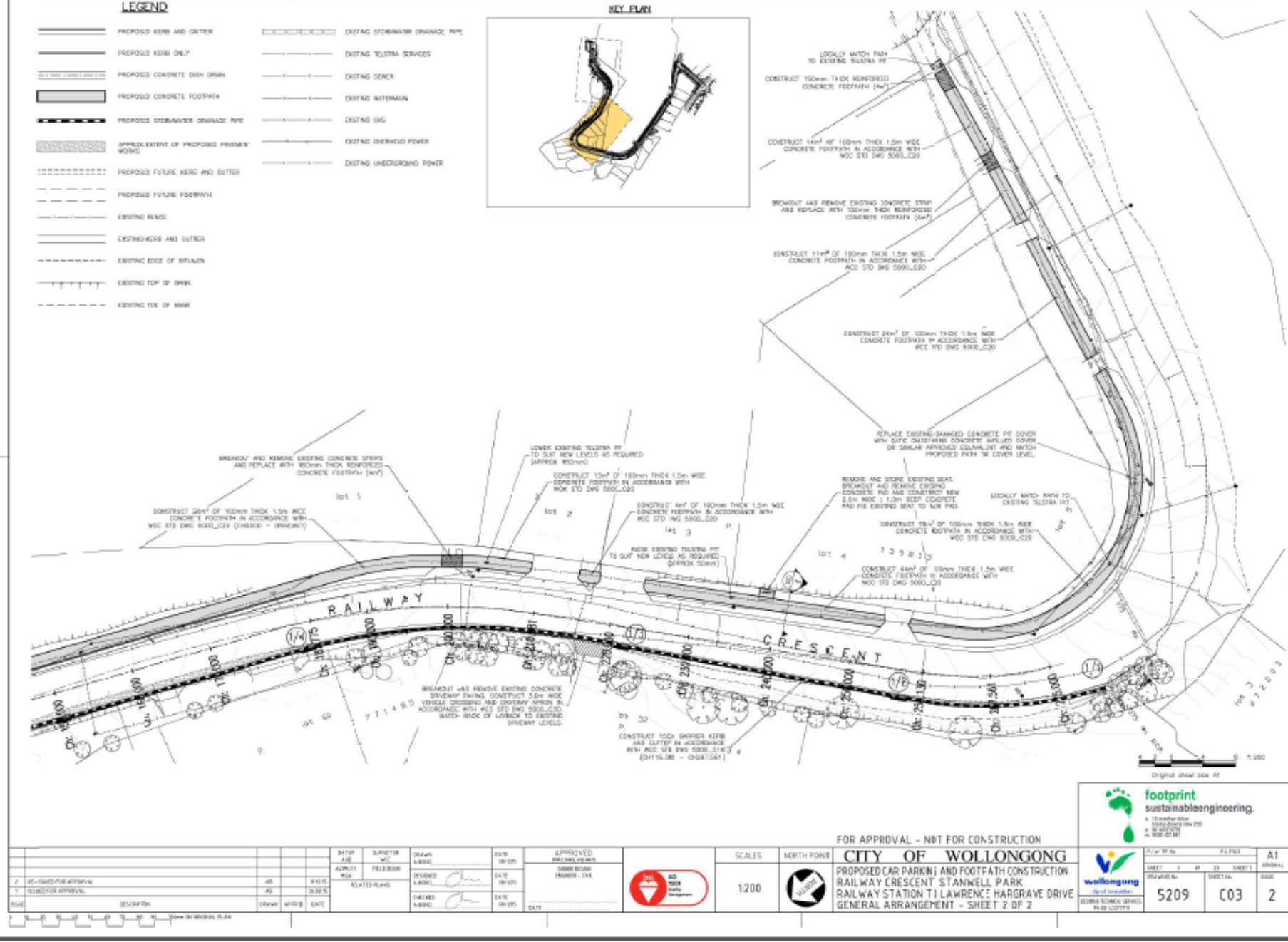


Attachment 7 – Railway Crescent, Stanwell Park – 1 of 5

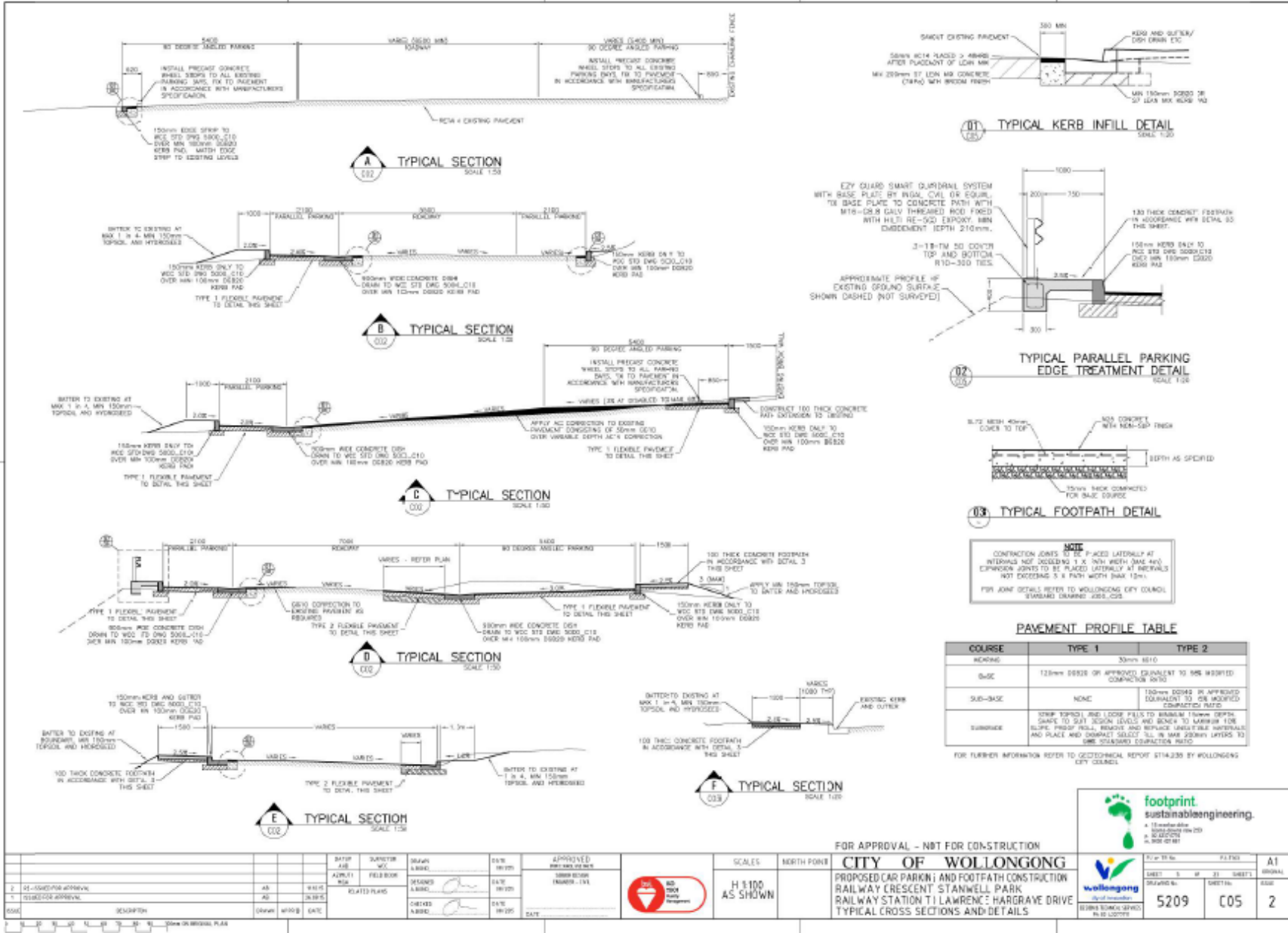




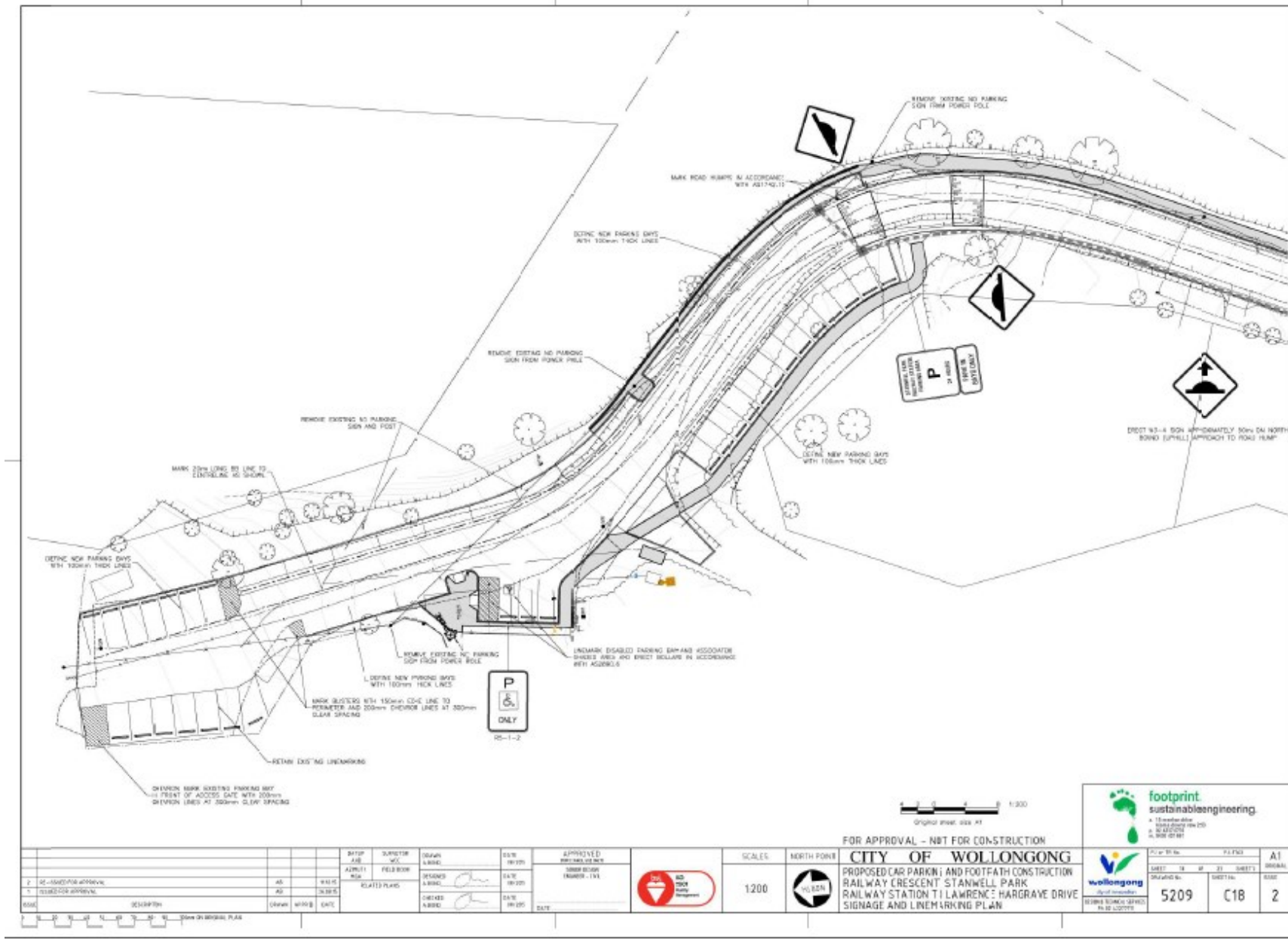
### Attachment 7 – Railway Crescent, Stanwell Park – 3 of 5



### Attachment 7 – Railway Crescent, Stanwell Park – 4 of 5



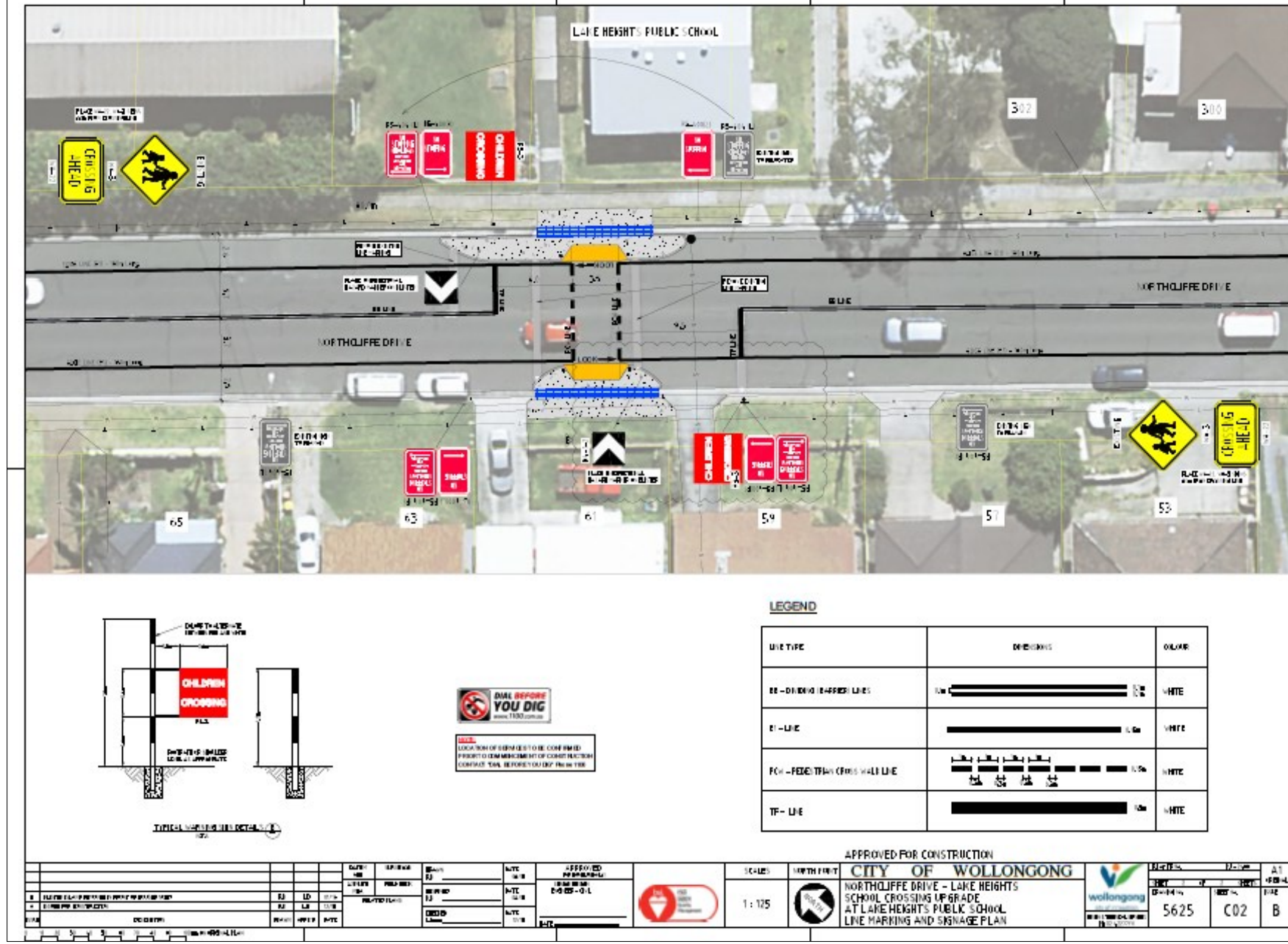
Attachment 7 – Railway Crescent, Stanwell Park – 5 of 5



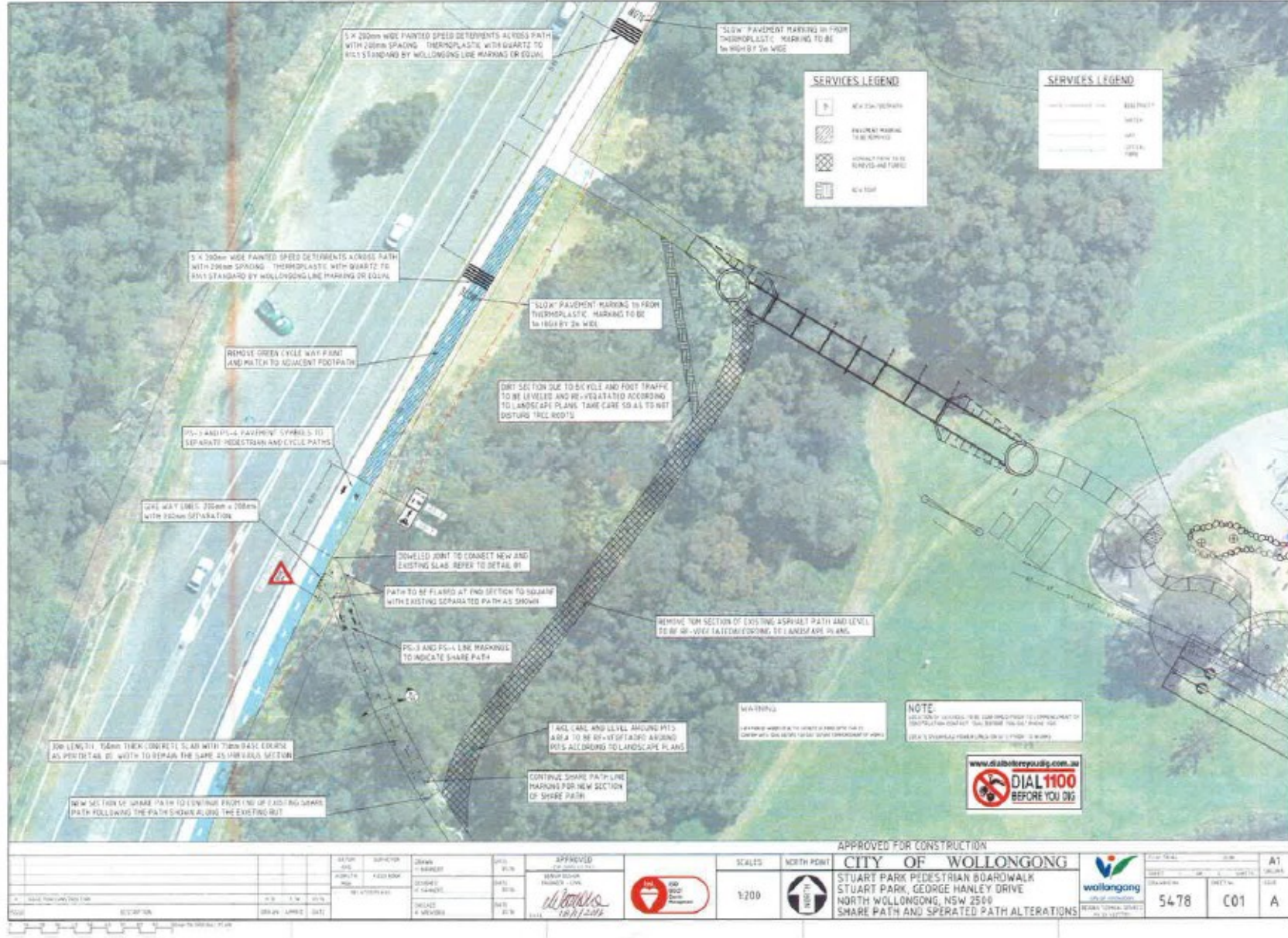
## Attachment 8 – Lake Heights Public School Crossing – 1 of 2



Attachment 8 – Lake Heights Public School Crossing – 2 of 2



## Attachment 9 – Lawrence Hargrave Drive, Thirroul - Adjustment to shared path



Attachment 10 – George Henley Drive, Stuart Park

