

AGENDA

CITY OF WOLLONGONG TRAFFIC COMMITTEE



TO BE HELD AT 9.15AM ON WEDNESDAY 20TH JANUARY 2016 IN
COUNCIL ADMINISTRATION BUILDING, LEVEL 9 FUNCTION ROOM

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.

Item No	Subject	Attach	Timing	Who
1	WELCOME			Chair
2	ACKNOWLEDGEMENT OF COUNTRY			Chair
3	DECLARATIONS OF INTEREST			Chair
4	APOLOGIES			Chair
5	CONFIRMATION OF MINUTES OF MEETING HELD ON 18 TH NOVEMBER 2015			Chair
6	BUSINESS ARISING FROM PREVIOUS MINUTES			Chair
7	GENERAL BUSINESS			All
8	REGULATION OF TRAFFIC			Chair
9	DESIGN MATTERS			Chair
10	NEXT MEETING			Chair
11	CLOSE			

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
Commencing at 9.15 am

ACKNOWLEDGEMENT OF COUNTRY

"I would like to pay my respect and acknowledge the traditional custodians of the Land on which we meet, and pay my respect to Elders past, present and future. I would also like to extend my respect to Aboriginal and Torres Strait Islander people present here today."

APOLOGIES

CONFIRMATION OF MINUTES OF MEETING HELD ON 18th November 2016.

BUSINESS ARISING FROM PREVIOUS MEETING

GENERAL BUSINESS

	Suburb	Street(s)	Issue
1	GWYNNEVILLE	Foley Street	Double Barrier Line and Stop Sign
2	GWYNNEVILLE	Gwynneville to Wollongong	University of Wollongong GK Shuttle Service
3	GWYNNEVILLE	Berkeley Road	School Crossing
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	COALCLIFF TO COLEDALE	Clifton School Parade	'Seacliff Half Marathon'
11	WOLLONGONG	Harbour, Crown and Burelli Streets and Marine Drive	Events at WIN Stadium and the Wollongong Entertainment Centre for 2016
12	WOLLONGONG	Endeavour Drive	'Splash and Dash' Festival
13	WOLLONGONG	Crown Street, Marine Drive, Endeavour Drive and Cliff Road	'Fitness Five Fun Run'
14	KANAHOOKA - YALLAH - WINDANG - KANAHOOKA	Kanahooka Road to Yallah Bay Road	'Ride Around the Lake'

DESIGN MATTERS

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

LATE ITEMS

INFORMAL ITEMS (TRAFFIC ENGINEERING ADVICE ONLY)

GENERAL BUSINESS

1 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 bb lines and a Stop Sign at the intersection of Frances and Foley Streets.

Proposal

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

2 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.'

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

Proposal

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

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

3 GWYNNEVILLE

Berkeley Road - School Crossing

Background

The Principal and P&C at Gwynneville Public School have petitioned Council to improve the arrangements on the existing school crossing in Berkeley Road, Gwynneville. Council has long term plans to install kerb extension blisters to improve the crossing but at the present time funds have not been allocated.

Proposal

For inspection only.

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

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

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

6 UNANDERRA

Tresnan Street and Blackman Parade – Parking Restrictions

Background

Illawarra Premier 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

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 – No U Turn Signs

Background

The Farmborough Heights/Unanderra Neighbourhood Watch Group has asked Council to consider ways in which U Turns in Panorama Drive near Nielson Street may be prevented. It has been reported that some residents travel on the incorrect side of the divided portion of Panorama Drive to access their homes.

Proposal

Install 'No Entry' signs in Panorama Drive in the vicinity of Nielson Street.

8 DAPTO

Cirrus 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

Install Double Barrier Lines past the curve to the rear boundary 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 Harrigan ford site all Traffic Control measures need to be achieved by line marking. To improve safety at the intersection; two options have been considered and will be presented at the meeting.

Option 1:

Aims to improve sight distance by moving stopping lines up to intersection. It also directs traffic away from the central median 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

To be advised.

REGULATION OF TRAFFIC

10 COALCLIFF TO COLEDALE

'Seacliff Half' Marathon

Background

A private event organiser is arranging a half marathon running on Sunday 26th June 2016 which will run from the Council reserve on Monash Street, Coledale to Clifton School Parade, Coalcliff and return. Most of the regulation of traffic occurs on state roads and accordingly requires permission from NSW Roads & Maritime Service and the NSW Police. Both the police and NSW RMS have indicated that the arrangements on Lawrence Hargrave Drive for the event area acceptable and the application for traffic controls on Clifton School Parade and Monash Street can now be processed by Council.

Proposal

The proposed road closures on local roads be approved subject to:

- I. The submitted traffic management plan (Attachment 2)
- II. Council's Standard Conditions for Road Closures (Attachment 1)
- III. Permission for the event from NSW Police and NSW RMS

11 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 th March – 3pm	Dragons V Penrith Panthers
Saturday 28 th May – 7.30pm	Dragons V North Queensland Cowboys
Saturday 18 th June – 7.30pm	Dragons V Melbourne Storm
Weekend of 5 th – 8 th August	Dragons V Brisbane Broncos
25 th , 26 th and 27 th August	Southern Stars School Spectacular
Thursday 17 th November	Kidswish Christmas Party
December 2016 – Date to be confirmed	The Wiggles

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.

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.

The Southern Stars Event on the main performance days on the 26th and 27th August involves a Type 2 Traffic Management Plan as for the NRL games. The closures of Harbour Street will take effect during the day on the 26th of August with the closures extending into the evening on the 27th and covering the evening performance.

During performances on the 26th and 27th 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 26th August between 8am and 3pm to provide the bus parking and manoeuvring area.

The Kidswish Christmas Party will involve a Type 1 Traffic Management Plan as proposed with the developer 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 at 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.

Proposal

The submitted Traffic Management Plans for the 2016 Major Events at WEC and WIN Stadium (Attachment 3) be approved subject to the submitted Traffic Management Plans, Council's Standard Conditions for Road Closures (Attachment 1) and permission from NSW RMS.

12 WOLLONGONG

Endeavour Drive – ‘Splash and Dash’ Festival

Background

The event known as the ‘Splash and Dash’ Festival is to be held on Sunday 20th 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

The proposed road closure be approved subject to the submitted traffic management plans (Attachment 4) and Council’s Standard Conditions (Attachment 1).

13 WOLLONGONG

Crown Street, Marine Drive, Endeavour Drive and Cliff Road – ‘Fitness Five Fun Run’ Event

Background

Kembla Joggers are proposing to run the 2016 ‘Fitness Five Fun Run’ event is to be held on Sunday the 3rd April 2016 with road closures from 8.15am to 9.15am. Based on previous events it is expected that normal traffic flows, particularly in Cliff Road, will be restored prior to 9am. Access to the Novotel Northbeach from Bourke Street will be maintained at all times

Proposal

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).

14 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 7th 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.

Proposal

The regulation of traffic for the 2016 ‘Ride around the Lake’ event (Attachment 6) be approved subject to the submitted traffic management plans and Council’s Standard Conditions for Road Closures (Attachment 1)..

DESIGN MATTERS

15 OTFORD

Otford Weir

Background

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

Proposal

To be advised. (Attachment 7)

16 STANWELL PARK

Railway Crescent

Background

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

Proposal

To be advised. (Attachment 8)

17 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

To be advised. (Attachment 9)

LATE ITEMS

INFORMAL ITEMS

Attachment 1

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:

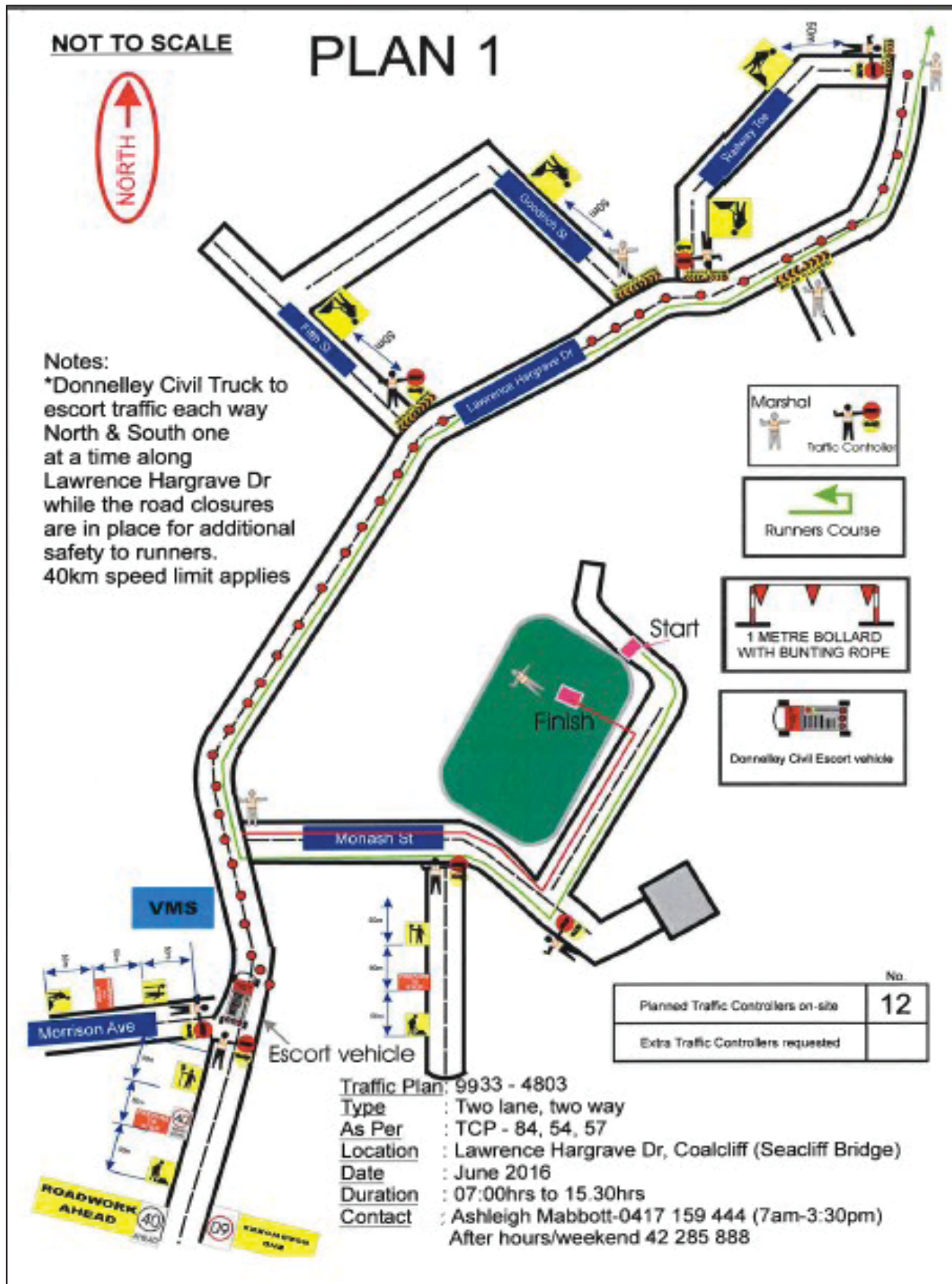
- ☒ **Completed Council Form:**
'Application to Open and Occupy or Underbore a Roadway or Footpath'.

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 – 'Seacliff Half' Marathon Event – 1 of 5



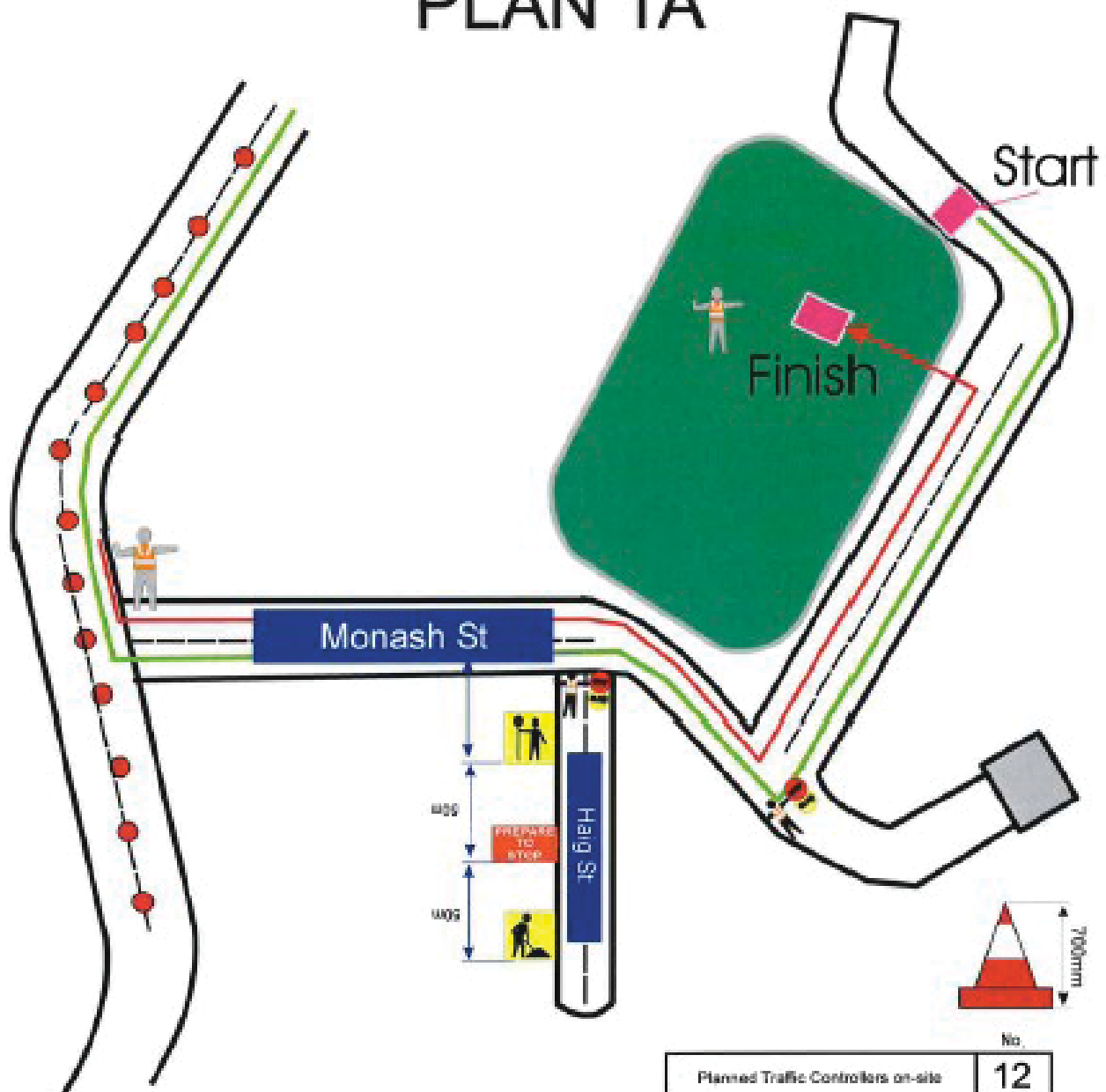
Attachment 2 – 'Seacliff Half' Marathon Event – 2 of 5

NOT TO SCALE

Traffic Plan: 9933 - 4803
 Type : Two lane, two way
 As Per : TCP - 84, 54, 57
 Location : Lawrence Hargrave Dr, Coalcliff (Seacliff Bridge)
 Date : June 2016
 Duration : 07:00hrs to 15.30hrs
 Contact : Ashleigh Mabbott-0417 159 444 (7am-3:30pm)
 After hours/weekend 42 285 888

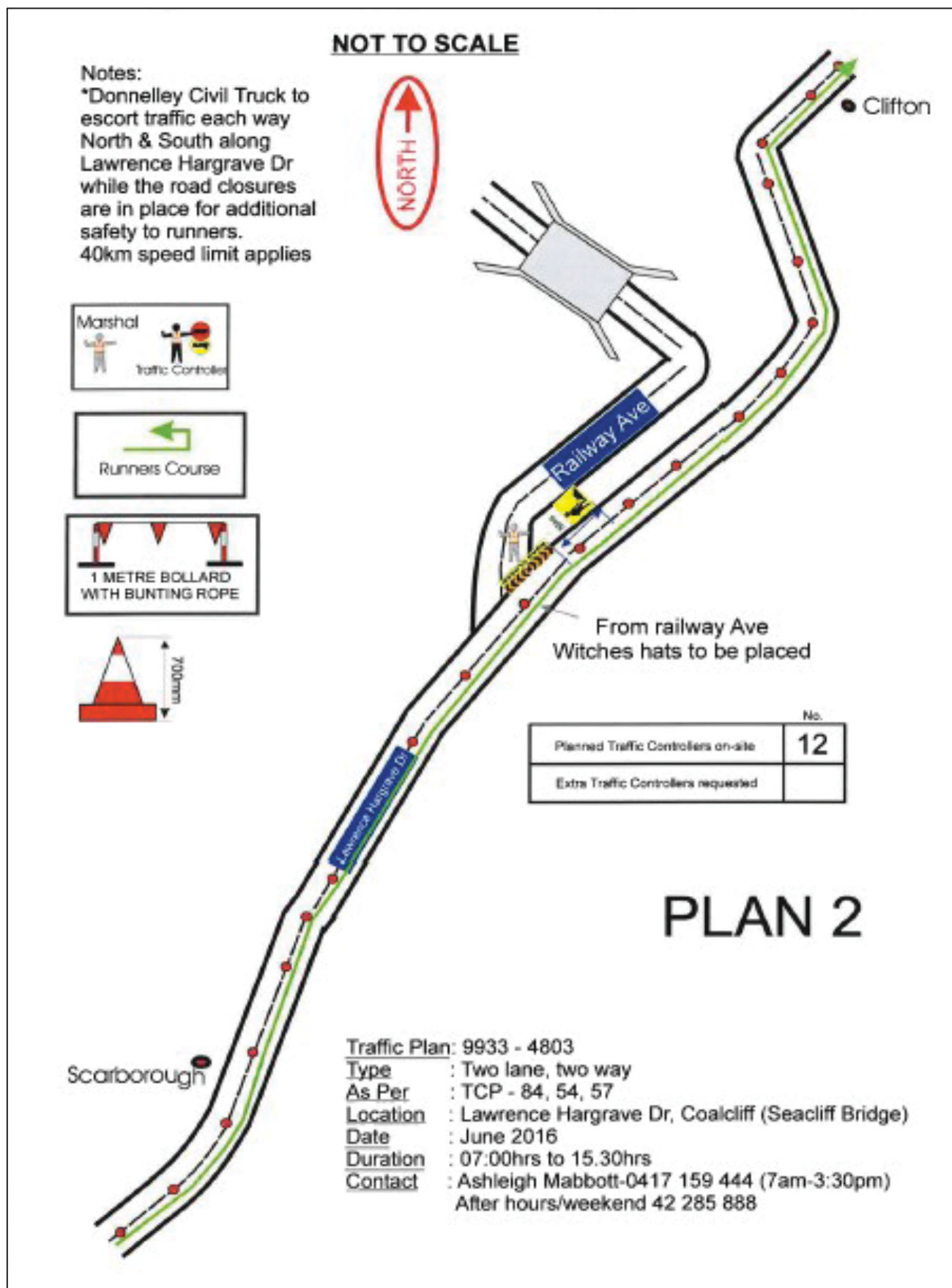


PLAN 1A



	No
Planned Traffic Controllers on-site	12
Extra Traffic Controllers requested	

Attachment 2 – 'Seacliff Half' Marathon Event – 3 of 5



Attachment 2 – 'Seacliff Half' Marathon Event – 4 of 5

Traffic Plan: 9933 - 4803

Type : Two lane, two way

As Per : TCP - 84, 54, 57

Location : Lawrence Hargrave Dr, Coalcliff (Seacliff Bridge)

Date : June 2016

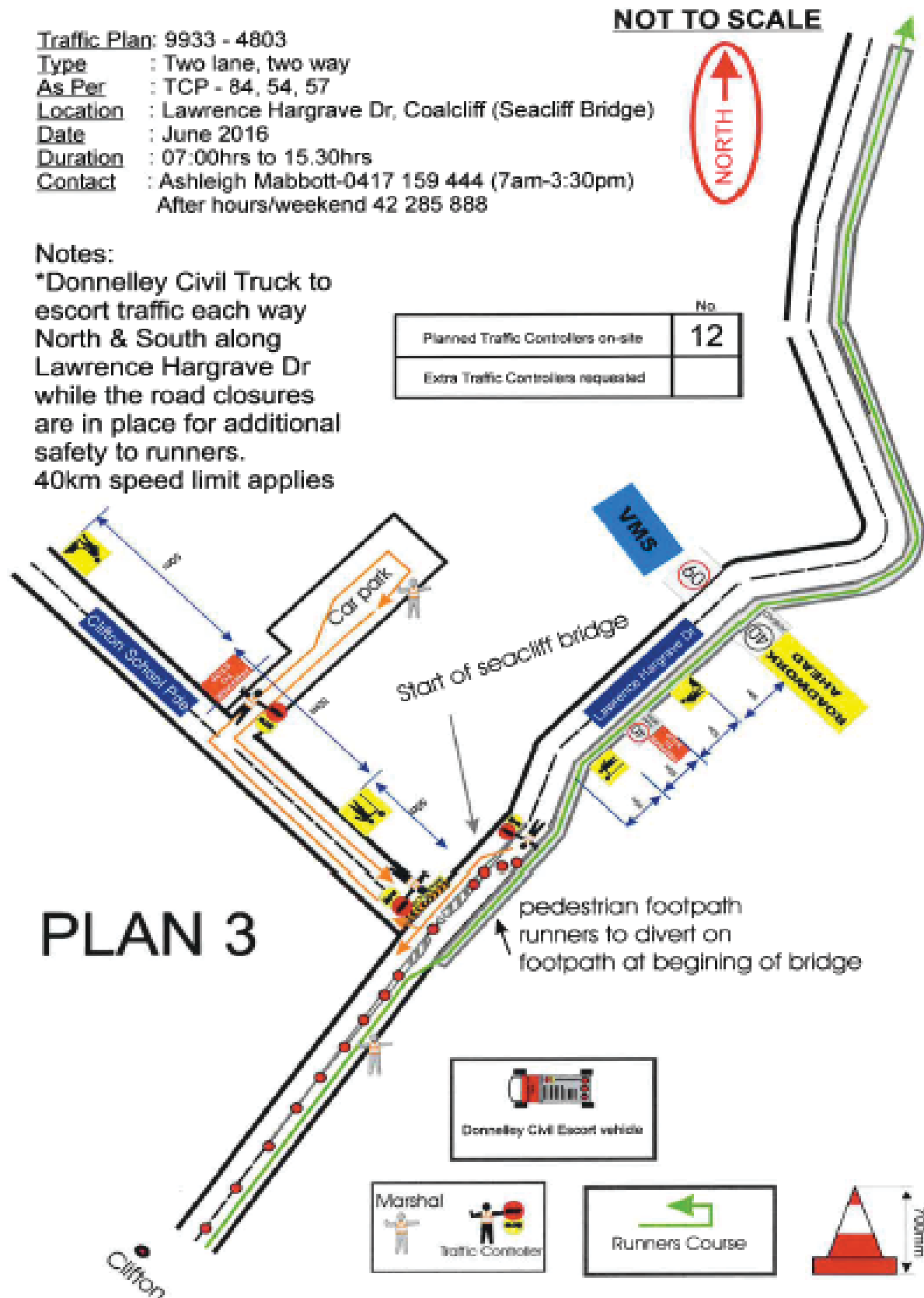
Duration : 07:00hrs to 15.30hrs

Contact : Ashleigh Mabbott-0417 159 444 (7am-3:30pm)
After hours/weekend 42 285 888

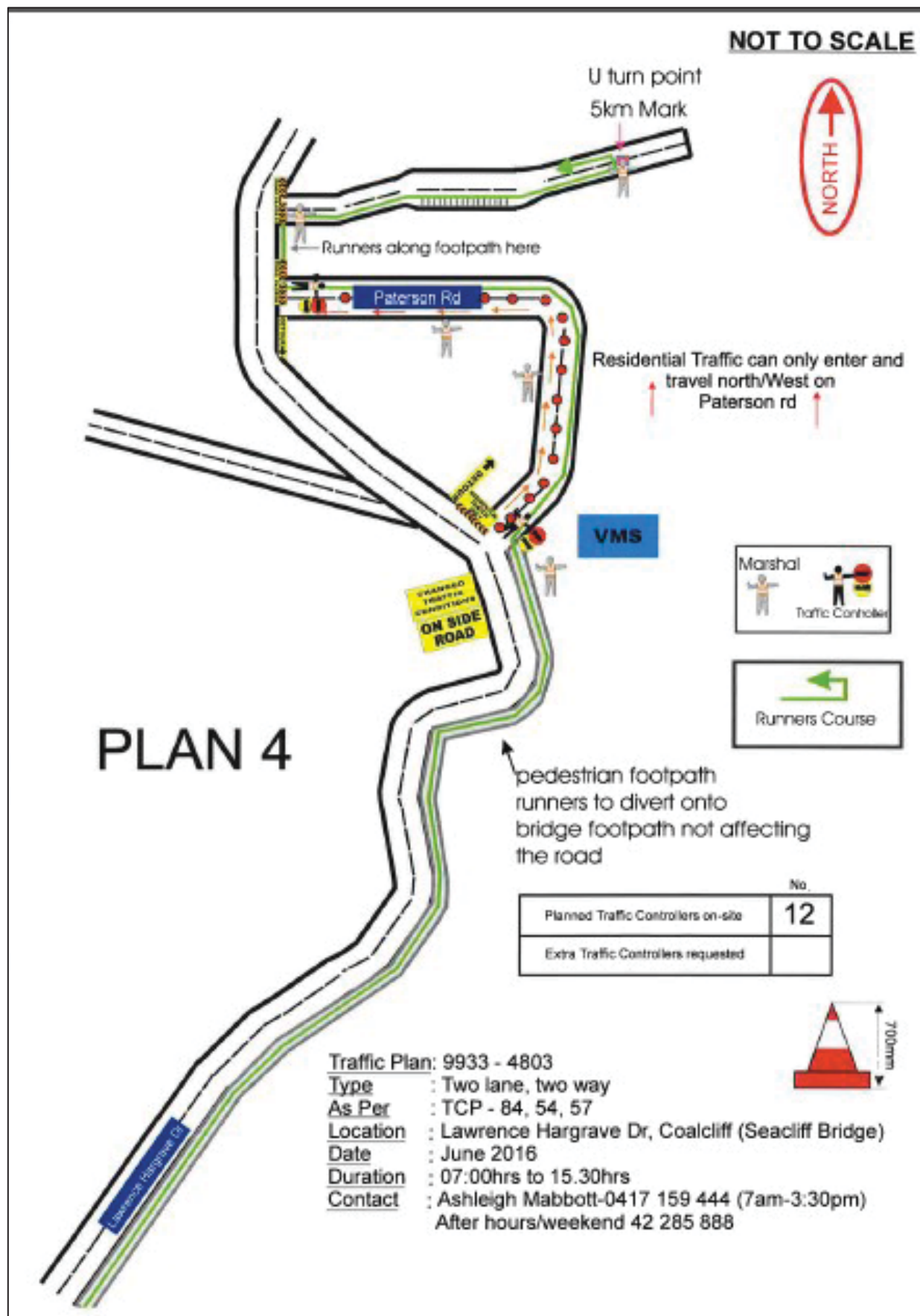
Notes:

*Donnelley Civil Truck to escort traffic each way North & South along Lawrence Hargrave Dr while the road closures are in place for additional safety to runners.
40km speed limit applies

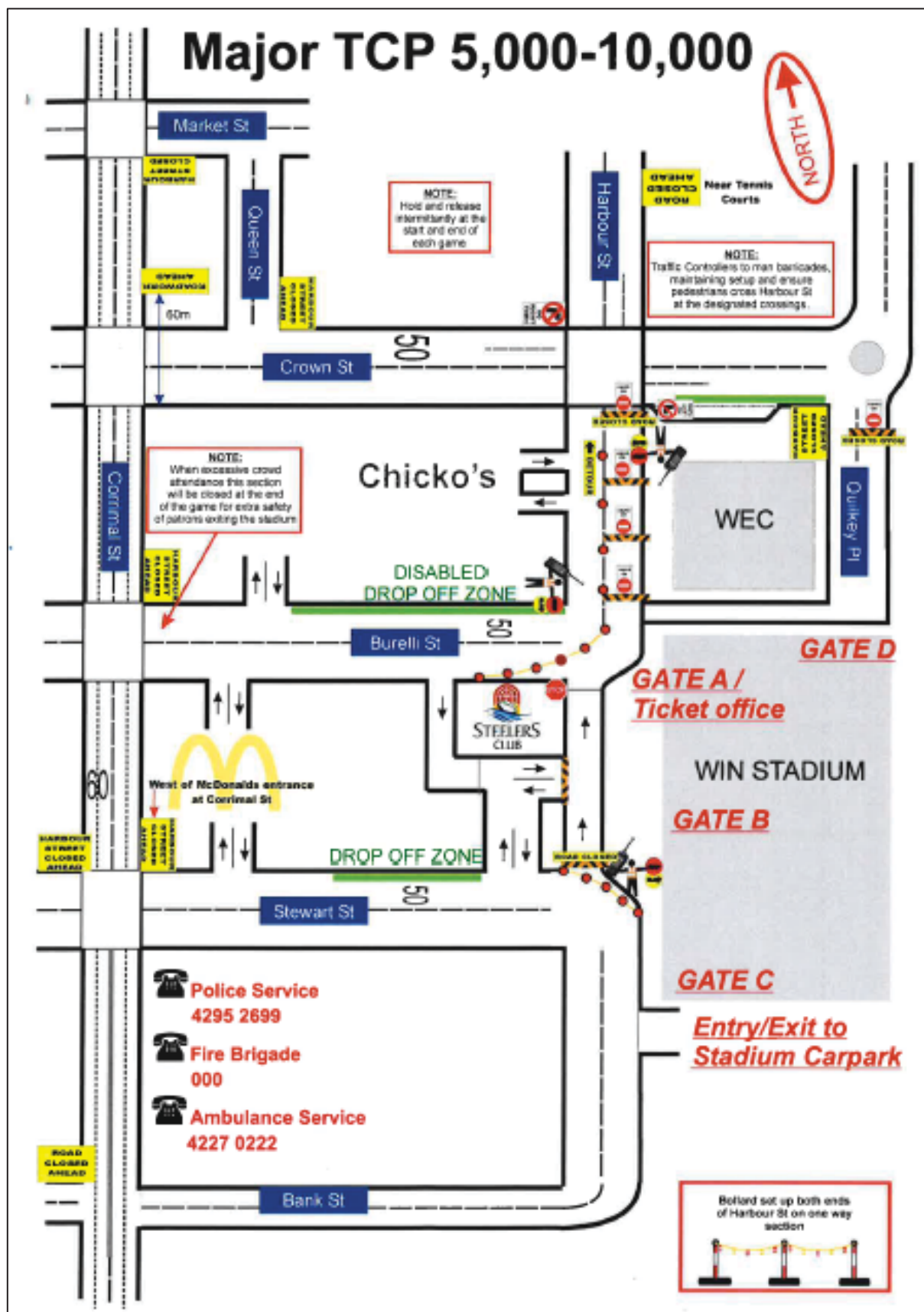
	No.
Planned Traffic Controllers on-site	12
Extra Traffic Controllers requested	



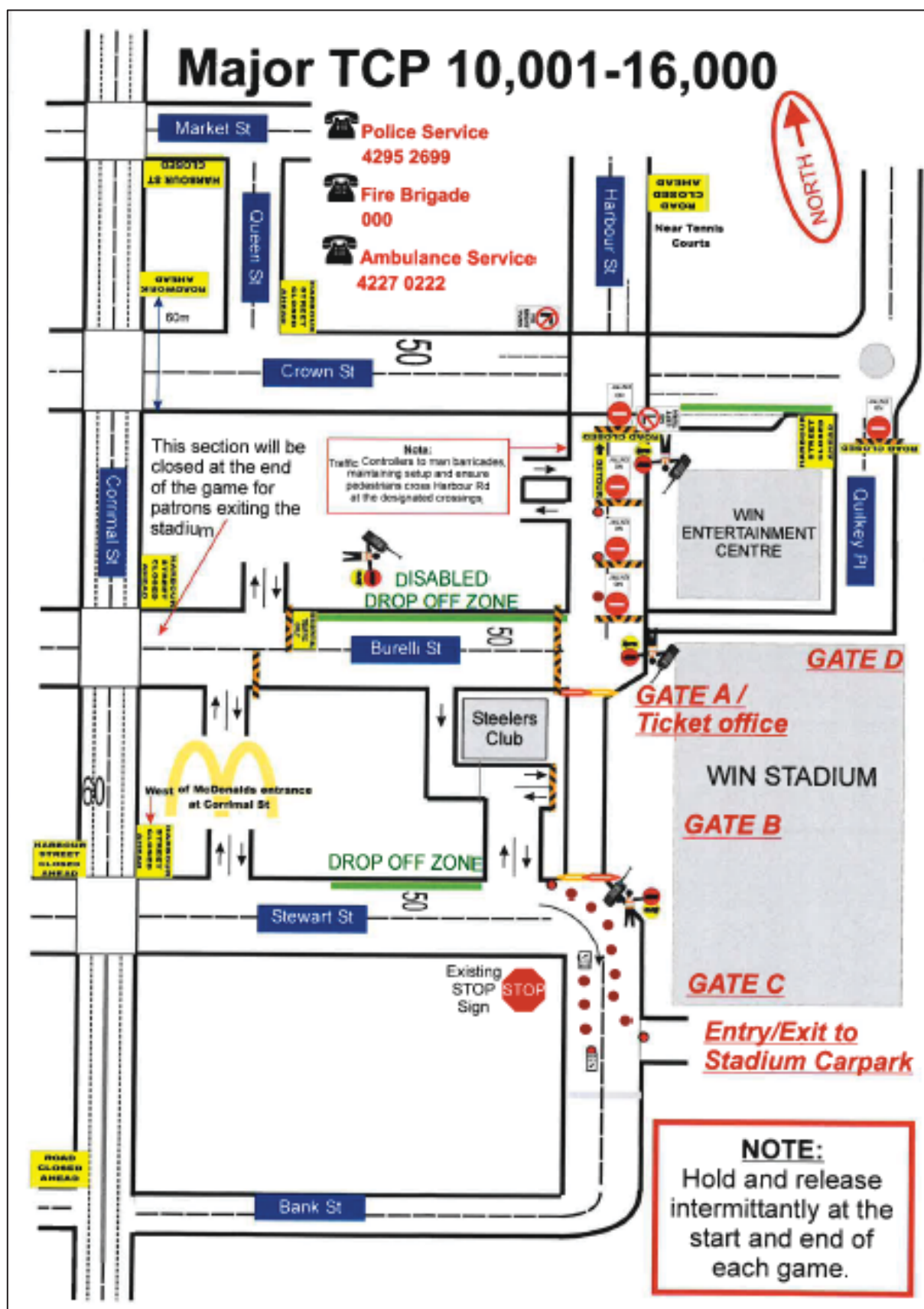
Attachment 2 – 'Seacliff Half' Marathon Event – 5 of 5



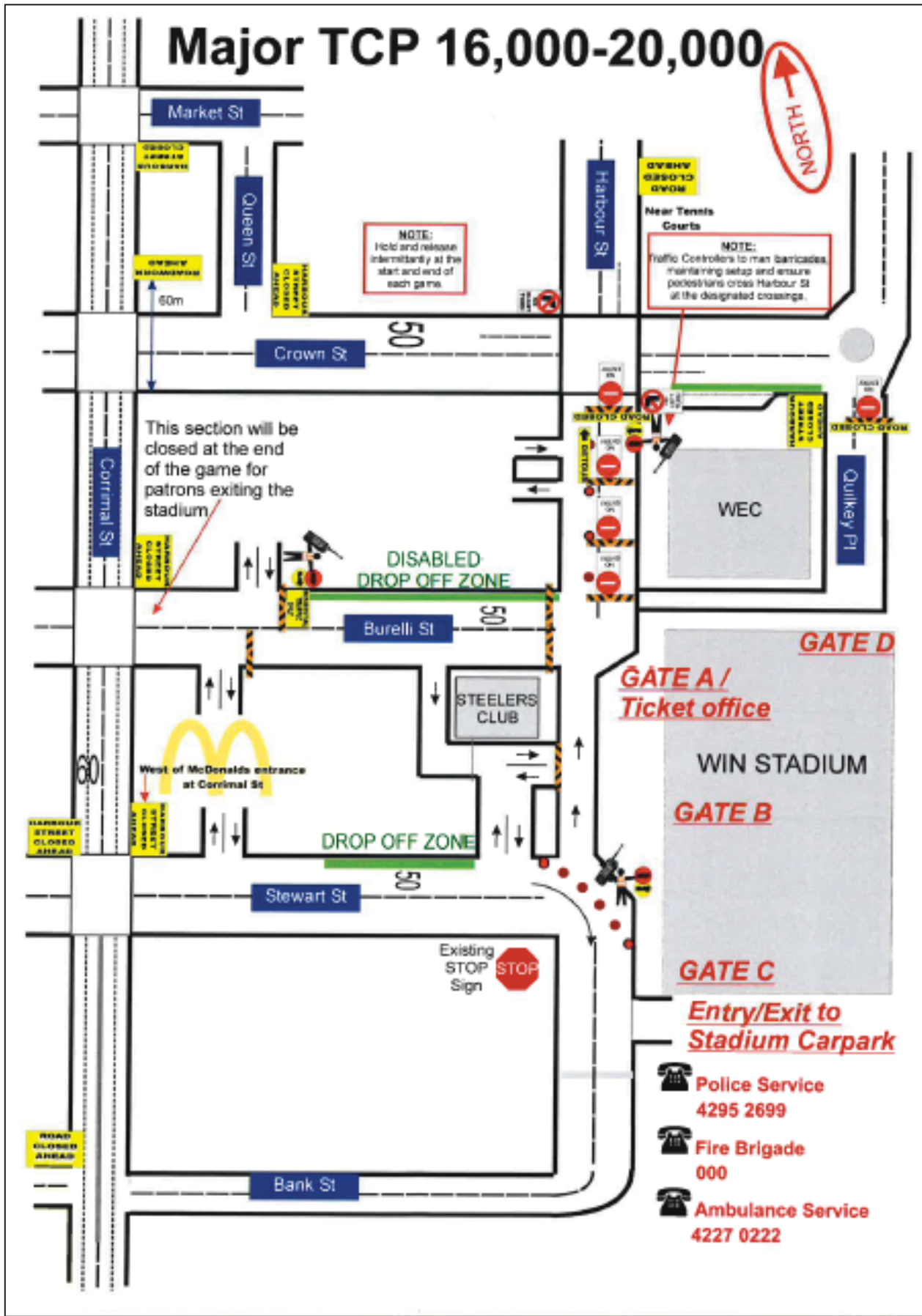
Attachment 3 – WEC and WIN Stadium Events – 1 of 3



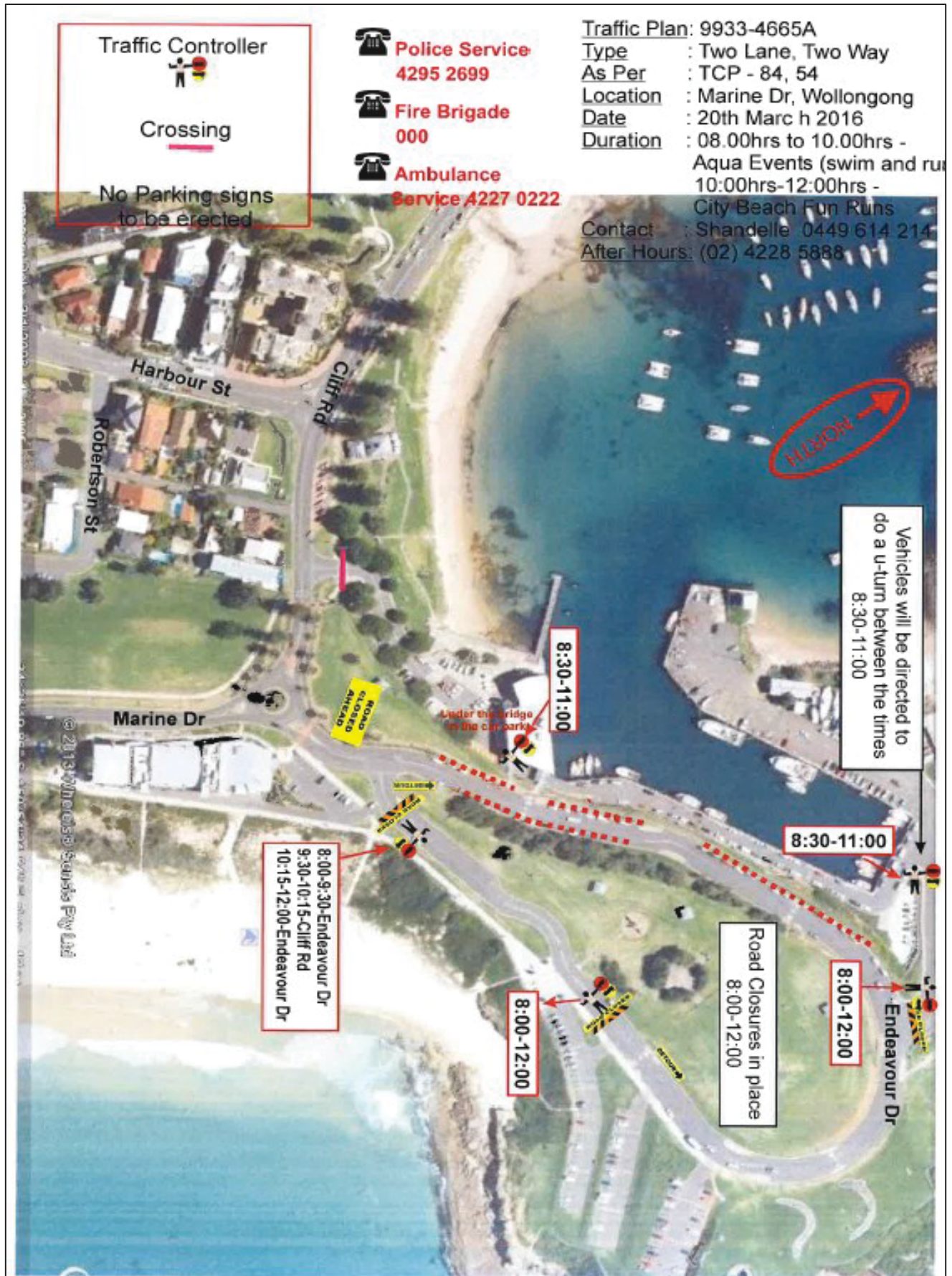
Attachment 3 – WEC and WIN Stadium Events – 2 of 3



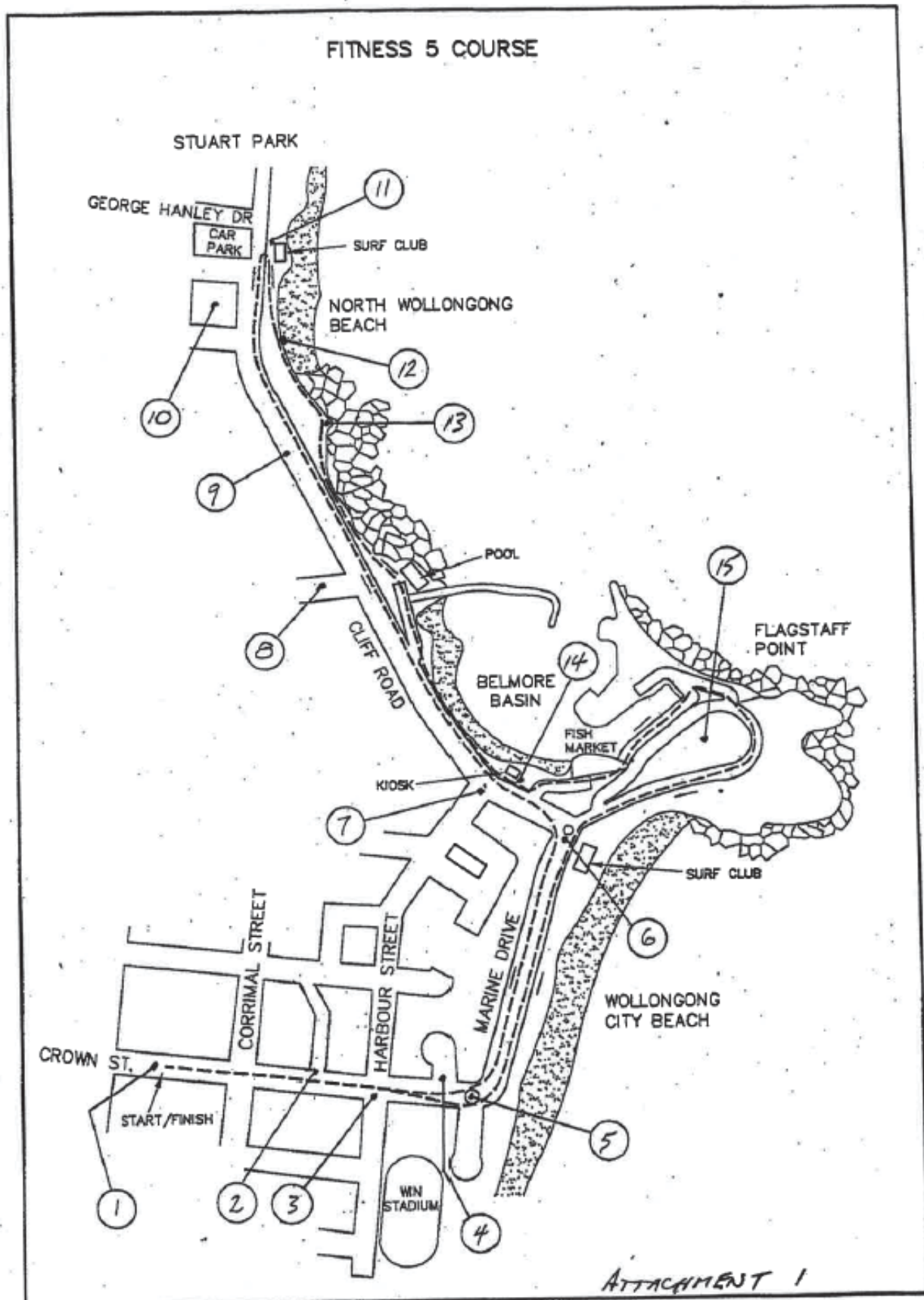
Attachment 3 – WEC and WIN Stadium Events – 3 of 3



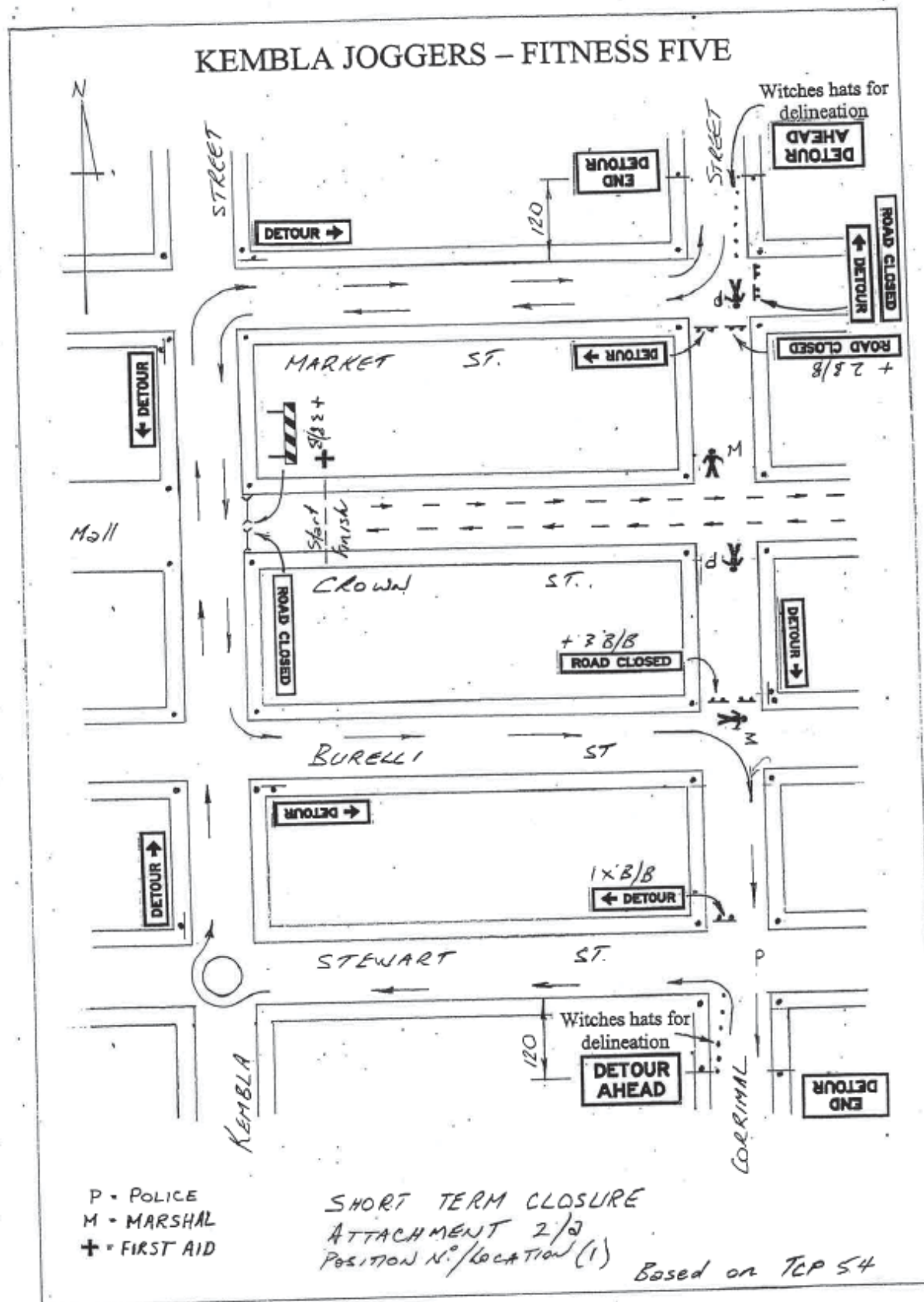
Attachment 4 – 'Splash and Dash' Festival

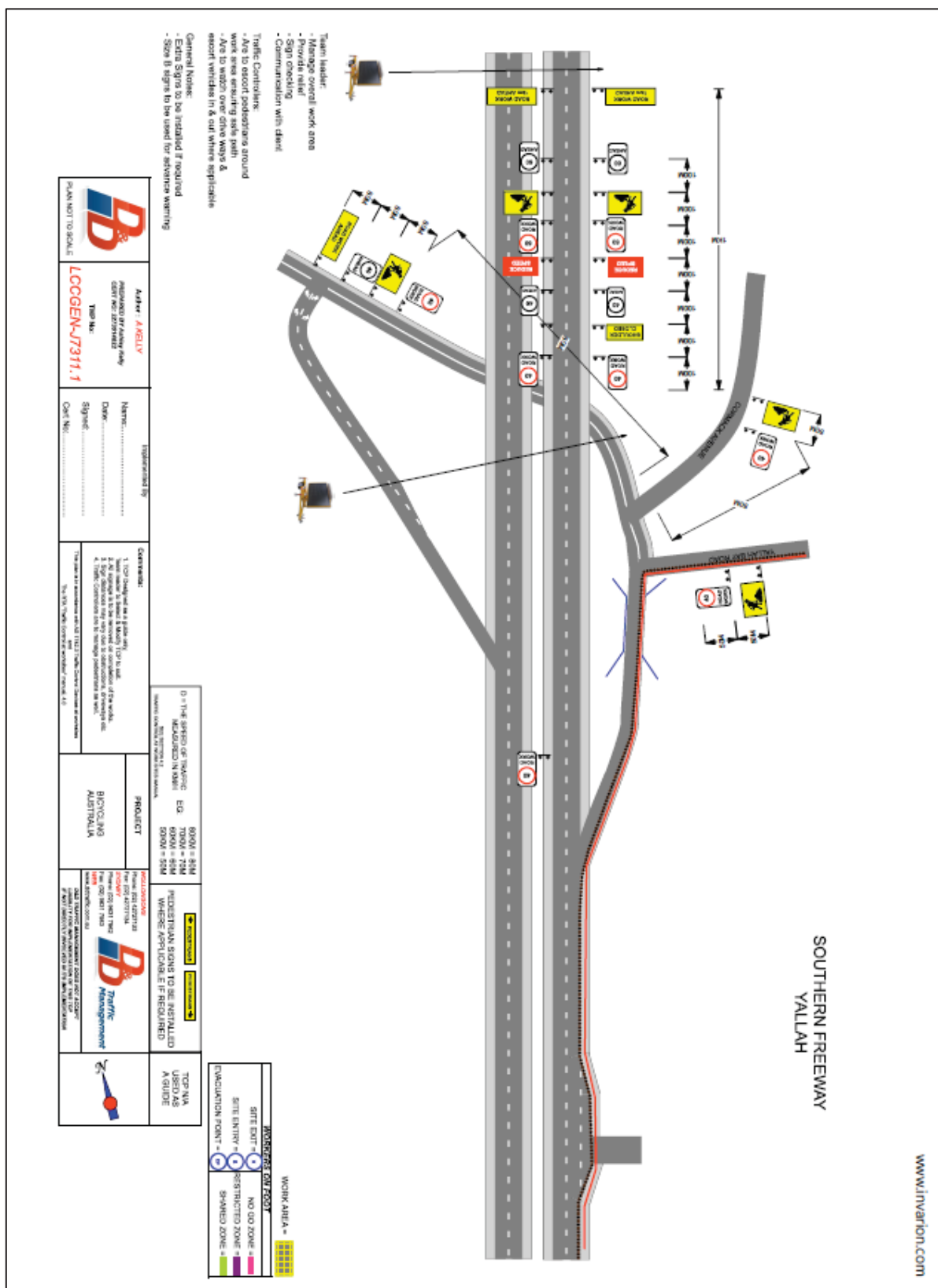


Attachment 5 – 'Fitness Five Fun Run' Event



Attachment 5 – 'Fitness Five Fun Run' Event





Attachment 6 – 'Ride around the Lake' – 2 of 4

**SOUTHERN FREEWAY
HAYWARDS BAY**

Team leader:

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

Traffic Controllers:

- A/c to escort pedestrians around work area ensuring safe path
- A/c 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

PLAN NOT TO SCALE

Author: A KELLY
PREPARED BY: A KELLY
CERT NO: 227359622
TNP No: LCCGEN-J7311.2

Impaired By

Name:
Date:
Signed:
Cert No:

Comments:

1. TCF Designed as a guide only.
2. All signage to be removed on completion of the works.
3. Sign distances may vary due to obstructions, driveway etc.
4. Traffic Controller on to manage pedestrians as well.

The plan is to be reviewed with AG 11/02/13 Traffic Control Division at meeting
The RTA Traffic Control at roadwork manual 4.0

PROJECT

BIKCYCLING
AUSTRALIA

WORK AREA =

WORKERS ON FOOT

SITE EXIT = 1
SITE ENTRY = 2
RESTRICTED ZONE = 3
SHARED ZONE = 4

**TOP 63
USED AS
A GUIDE**

WOLLONGONG

Phone: (02) 4227113
Fax: (02) 4227134
STONEY
Phone: (02) 9651 7962
Fax: (02) 9651 7963
www.wollongong.nsw.gov.au

**TRAFFIC MANAGEMENT DOES NOT ACCEPT
IF NOT DIRECTLY INVOLVED IN ITS IMPLEMENTATION**

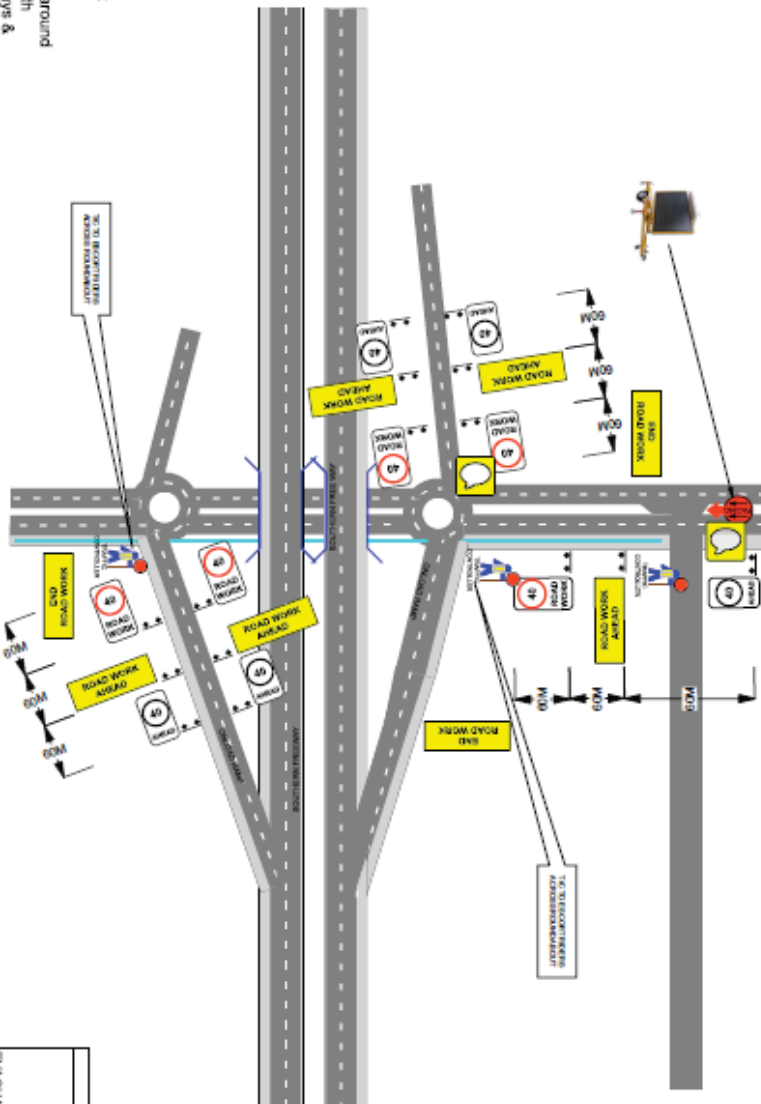
WOLLONGONG

Phone: (02) 4227113
Fax: (02) 4227134
STONEY
Phone: (02) 9651 7962
Fax: (02) 9651 7963
www.wollongong.nsw.gov.au

Attachment 6 – 'Ride around the Lake' – 3 of 4

F6 OFFLOAD RAMP AT NORTHCLIFFE DR

www.invarion.com



- 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

Author: A KELLY
PREPARED BY ARLINE KELLY
CERT NO. 22701422
TMP No. LCCGEN-J7311.3

Implemented By
Name:
Date:
Signed:
Cert No.:

Comments:

1. TSP Designed as a guide only.
2. All signage to be installed in accordance with the works.
3. Sign placement may vary due to obstructions, driveway etc.
4. Traffic Controllers are to manage pedestrians as well.

This plan is to be used with TSP 2. Traffic Control Devices as indicated.
This is a "Traffic Control of Worksite" - not a "Worksite" - A.D.

PROJECT
BICYCLING
AUSTRALIA

WOLLONGONG
Phone: (02) 82777134
Fax: (02) 82777134
Phone: (02) 82777134
Fax: (02) 82777134
Phone: (02) 82777134
Fax: (02) 82777134

TRAFFIC MANAGEMENT DOES NOT ACCEPT
PEDESTRIAN SIGNAGE INVOLVED IN ITS OWN MANAGEMENT

D = THE SPEED OF TRAFFIC
E.G.: 70KM = 70M
80KM = 80M
90KM = 90M
100KM = 100M

PEDESTRIAN SIGNS TO BE INSTALLED
WHERE APPLICABLE IF REQUIRED

TOP N/A
USED AS
A GUIDE

WORKERS ON FOOT

SITE EXIT =

SITE ENTRY =

RESTRICTED ZONE =

SHARED ZONE =

EVACUATION POINT =

WORK AREA =

Attachment 7 – Otford Weir

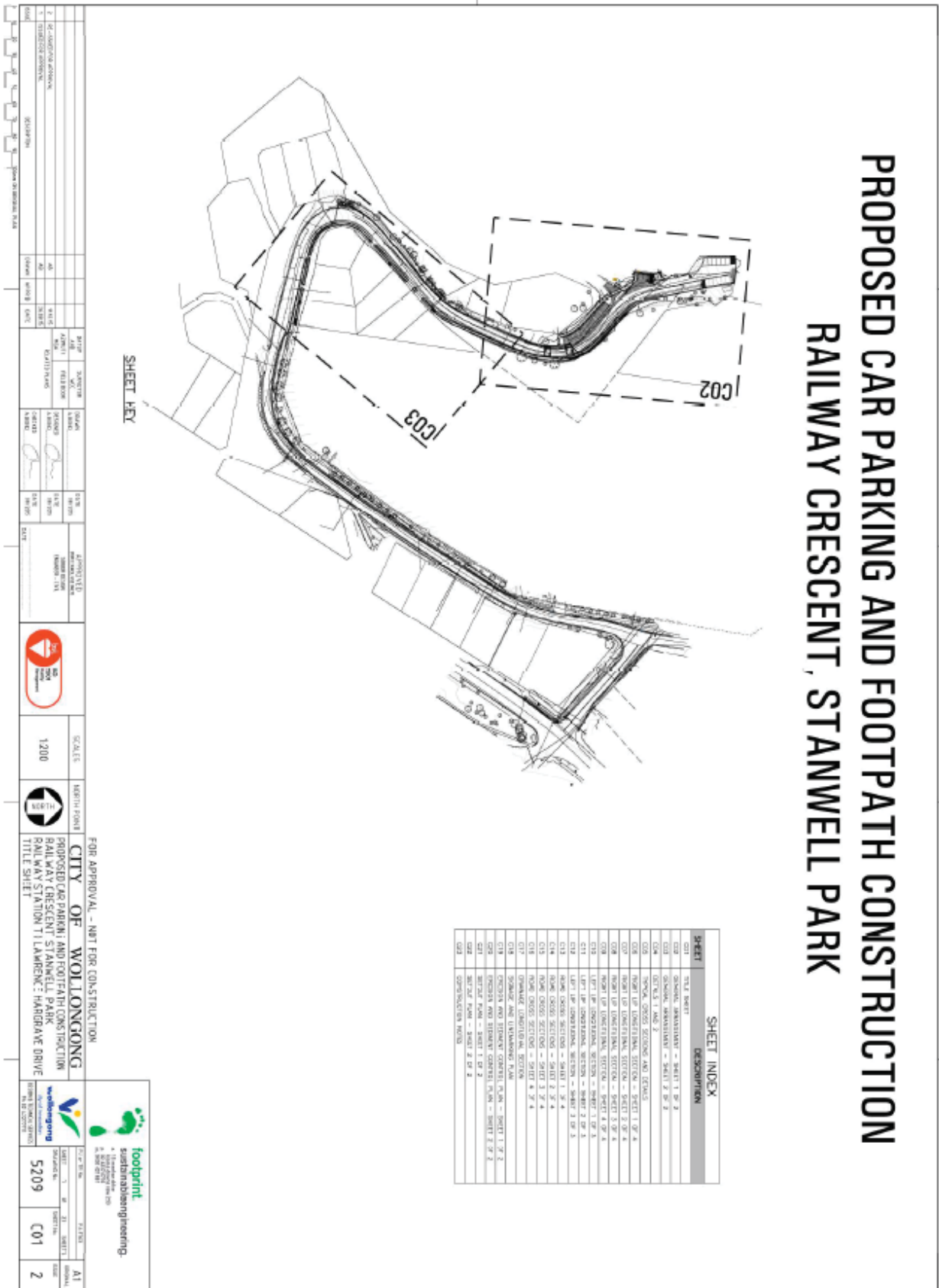
POSTING NOTES

1. HOLE DIMENSIONS MUST BE STRICTLY IN ACCORDANCE WITH DRAWINGS.
2. BEND DUT HOLE TO CLEAN DUST AND LOOSE MATERIAL. DO NOT USE WATER OR SOLVENTS.
3. DESIGN ASSUMES RANGETT TRENCH FOR PLACED BY INJECTION.
4. IF AN ALTERNATIVE PRODUCT IS PROPOSED, CONFIRM THAT THE BOND BETWEEN EPOXY AND CONCRETE WILL BE STRONGER THAN THE SHEAR STRENGTH OF THE CONCRETE.

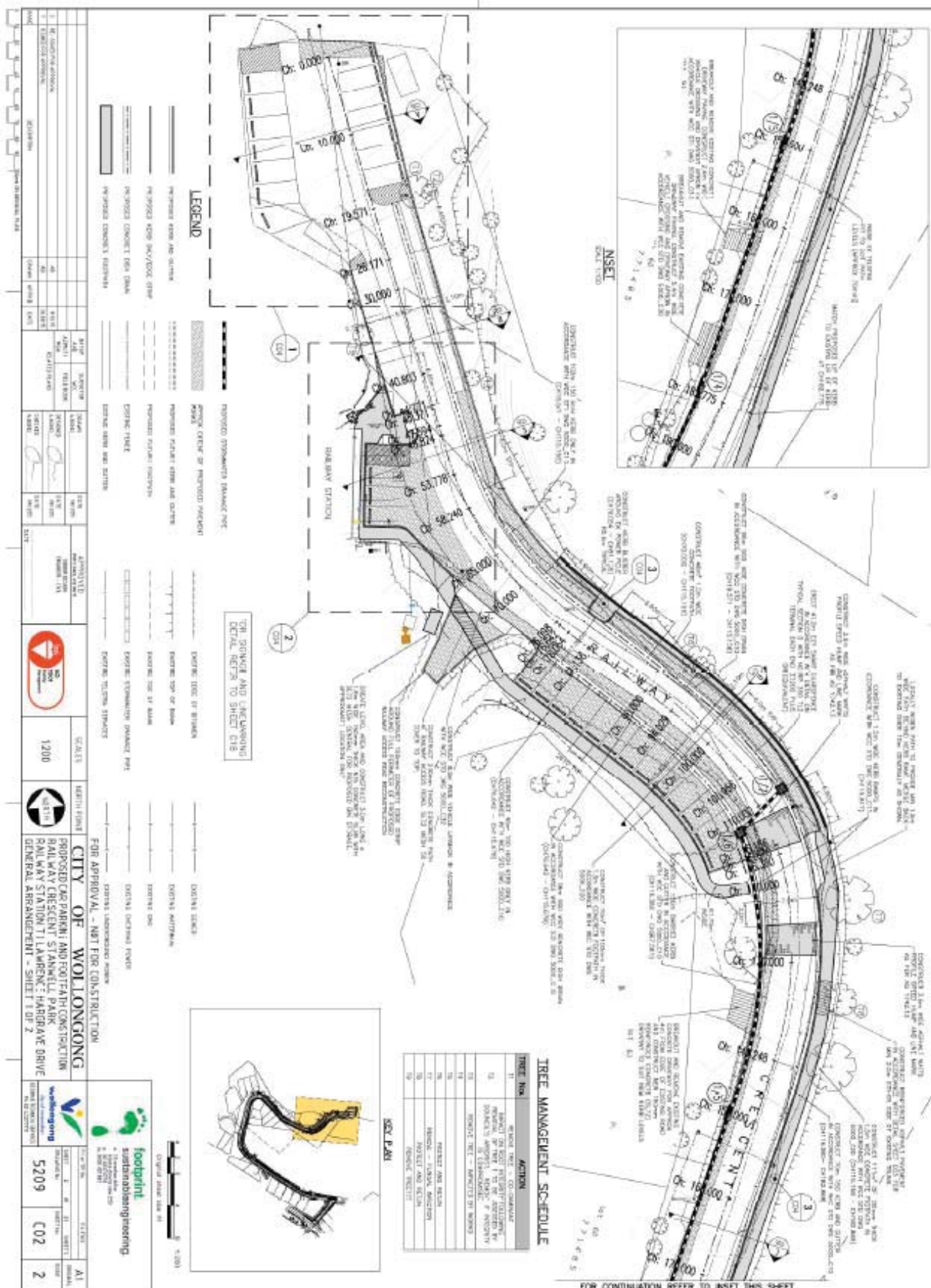
DOGS

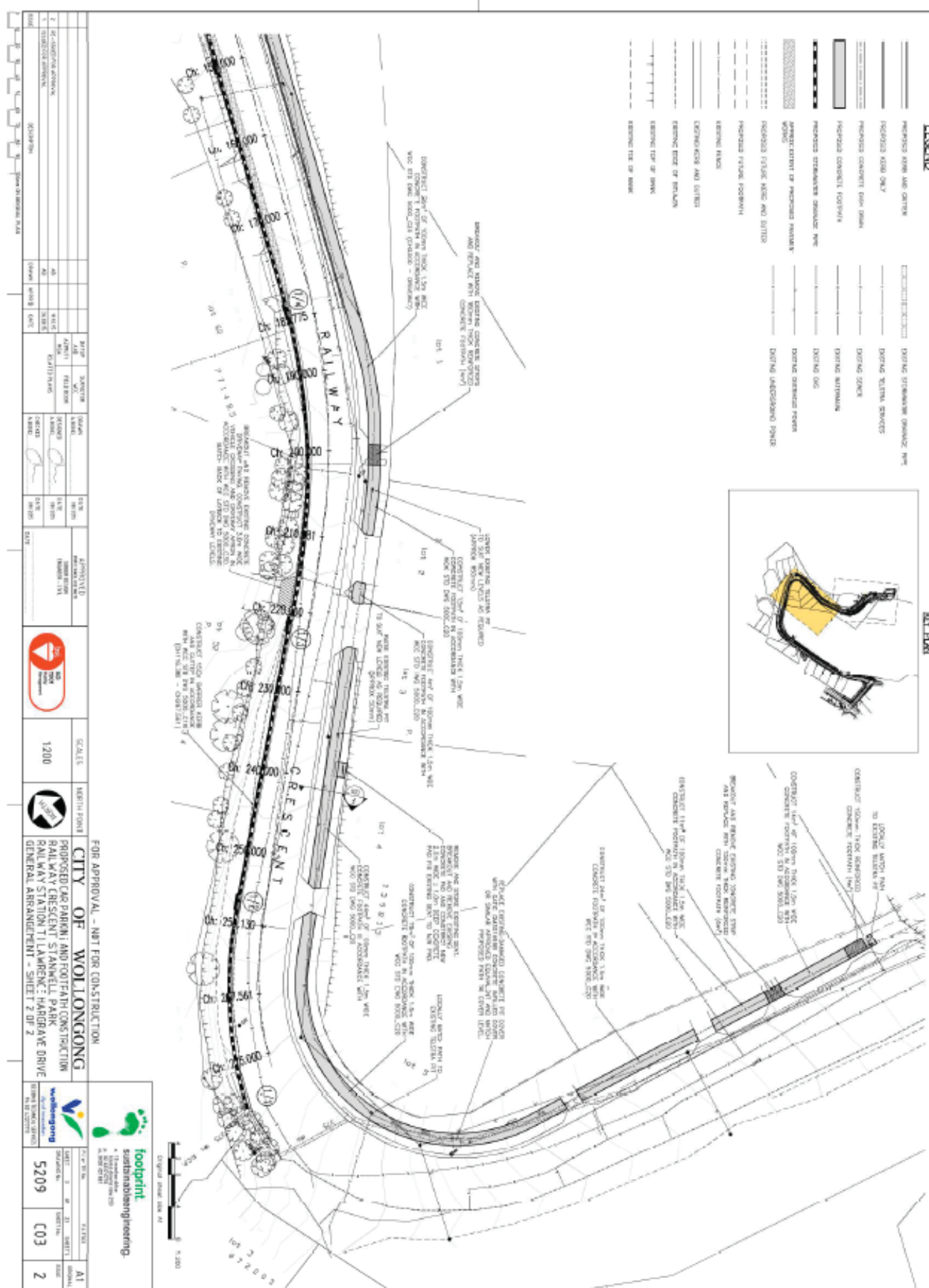
1. MIN [GRADE 4.5] 90 LONG [HIT ON GALVANISED]
2. ALL NUTS AND WASHERS TO BE HOT DIP GALVANISED
3. PACK FOOTING FIBRE Y, ENSURING ENTIRE CAVITY BETWEEN FOOTPLATE AND CONCRETE IS FILLED
4. FINISH EDGES TO SLOPE WATER AWAY FROM FOOTPLATE
5. MAX MORTAR WITH 3 SAND : 1 CEMENT OR USE PROPRIETARY BEAM PAVING GROUT

Attachment 8 – Railway Crescent, Stanwell Park – 1 of 5

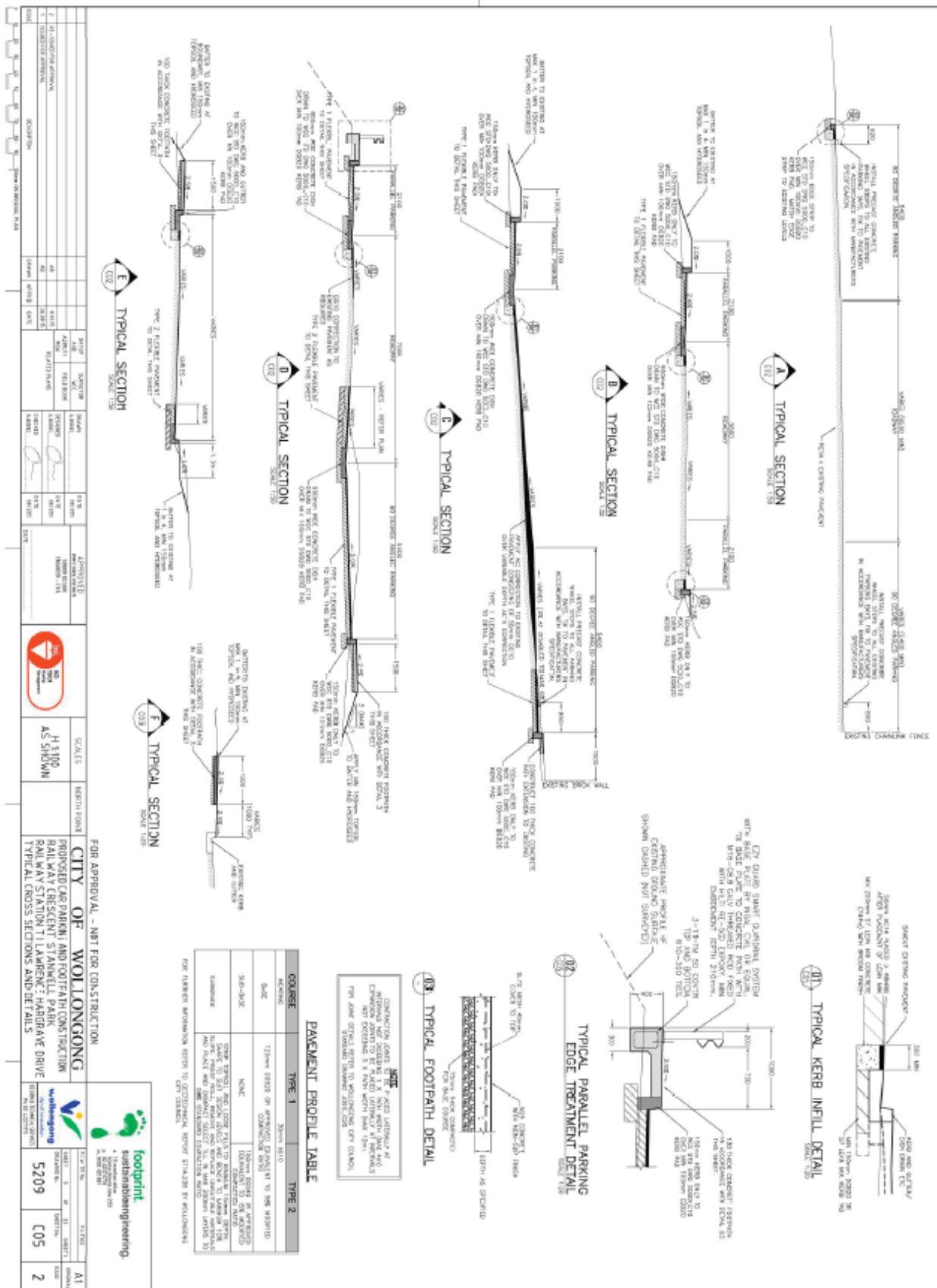


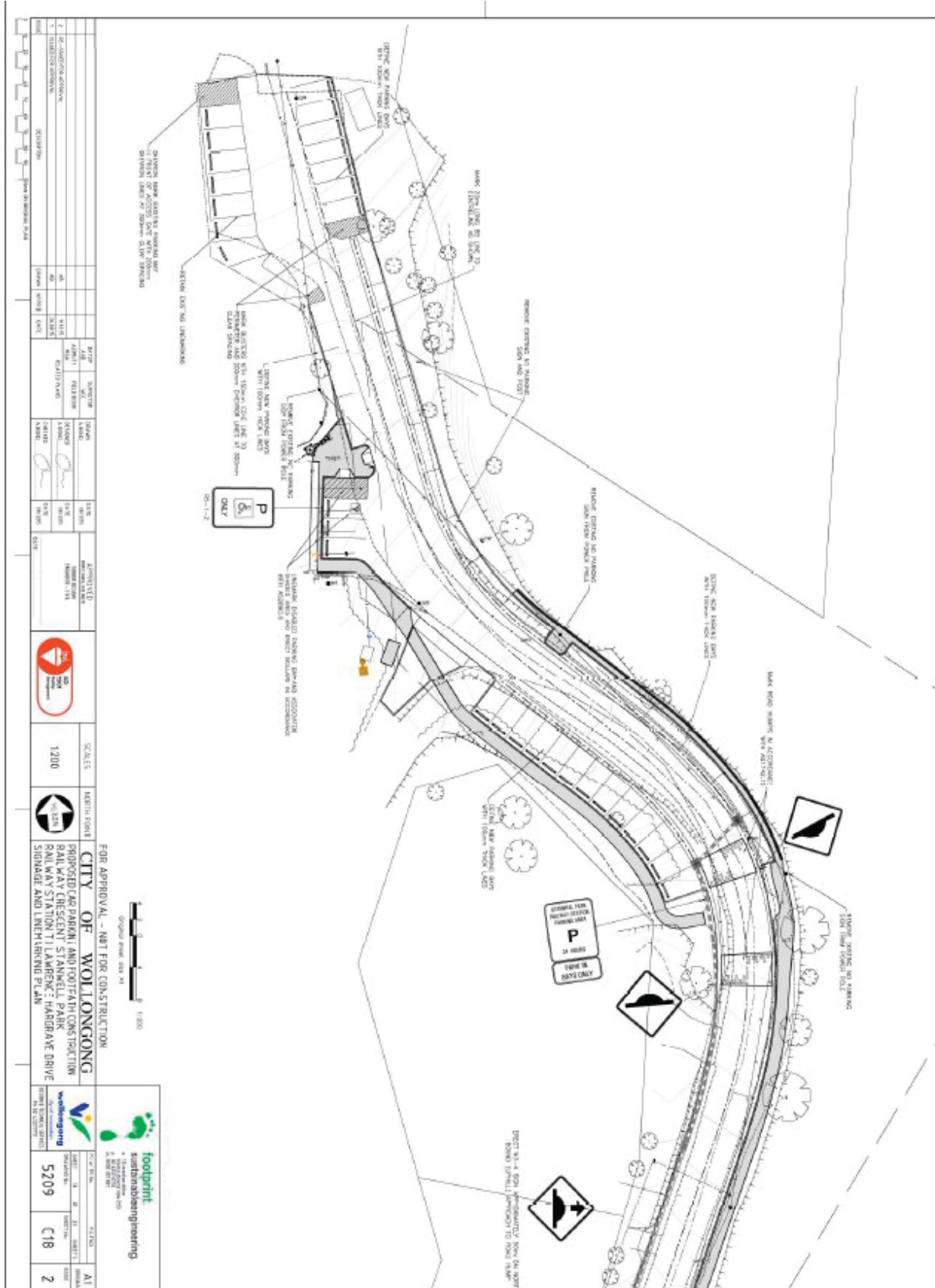
Attachment 8 – Railway Crescent, Stanwell Park – 2 of 5

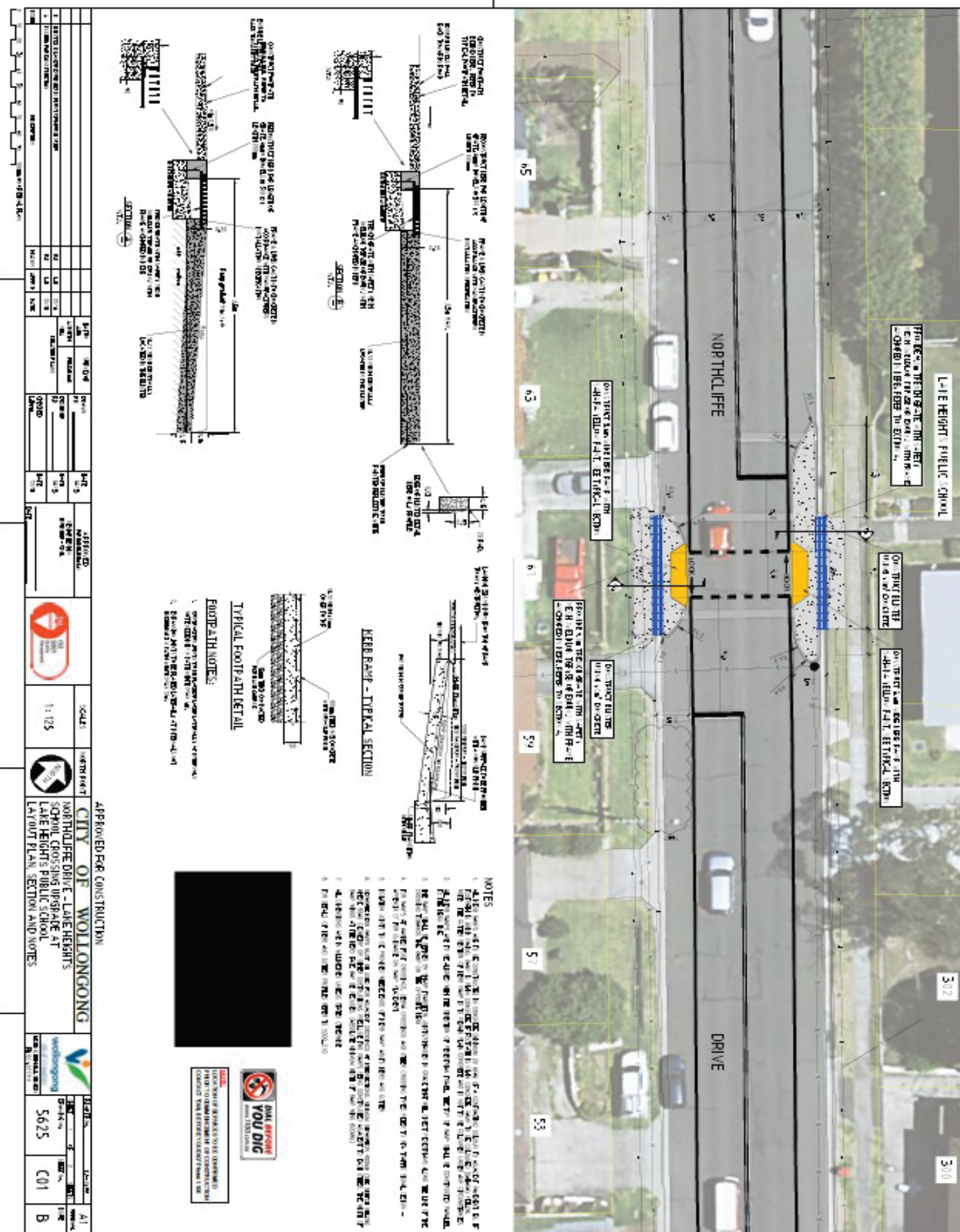




Attachment 8 – Railway Crescent, Stanwell Park – 4 of 5







Attachment 9 – Lake Heights Public School Crossing – 2 of 2

