

WOLLONGONG CITY COUNCIL

Traffic Committee Agenda

26 June 2019



WEDNESDAY DATE 26 JUNE 2019

9.15 AM

LEVEL 10 COMMITTEE ROOM 2

PURPOSE OF MEETING

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

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

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

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

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1 STANDING AGENDA ITEMS

1.1 Welcome

1.2 Acknowledgement of Country

"We pay our respects to and acknowledge the traditional custodians of the Land on which we meet, and pay our respects to Elders past, present and future. We also extend our respects to Aboriginal and Torres Strait Islander people present here today."

1.3 Declarations of Interest

1.4 Apologies

1.5 Confirmation of Minutes Arising from Previous Minutes

Confirmation of Minutes of Meeting Held on 22 May 2019.

1.6 Business Arising from Previous Meeting

2 GENERAL BUSINESS

2.1 FIGTREE Bangalay Street and Gahnia Avenue Red Gum Ridge - WARD 2

Bangalay Street and Gahnia Avenue - Removal of Give Way Sign

BACKGROUND

A resident has asked that a Give Way sign at the T junction of Bangalay Street and Gahnia Avenue Red Gum Ridge Figtree be removed as it isn't necessary. The single Give Way sign gives the right of way to drivers turning into and out of Gahnia Avenue from the northern end of Bangalay Street. A reverse T junction arrangement like this is usually installed when there is a much larger traffic volume making the turn at Gahnia Avenue and Bangalay Street. In this case the traffic volumes are very low and are reasonably balanced in each direction.

CONSULTATION

Residents close to the intersection to be advised the sign is to be removed.

PROPOSAL

The Give Way sign at the T Junction of Bangalay Street and Gahnia Avenue Red Gum Ridge Figtree be removed.

2.2 DAPTO Kanahooka Road and Princes Highway - WARD 3

Kanahooka Road and Princes Hwy - Pavement Markings on Roundabout

BACKGROUND

Council has been informed by a member of the public of the need for pavement markings at the intersection of Kanahooka Road and Princes Highway Dapto for northbound and southbound approach lanes. The roundabout is a two lane roundabout and although the Road Rules are clear regarding the drivers responsibility, many other intersections are still marked for to reinforce the rules and prevent confusion.

CONSULTATION

No consultation is required.

PROPOSAL

Install pavement markings on the northbound and southbound approach lanes of the Princes Highway roundabout where it intersects with Kanahooka Road.

2.3 AUSTINMER Laneway between Headlands Avenue and Boat Ramp - WARD 1

Laneway between Headlands Avenue and Boat Ramp - No Stopping Restrictions

BACKGROUND

Council's Traffic and Transport Unit has been informed of issues with vehicles parked alongside the south side of the lane which is causing traffic congestion. Parking is currently allowed on both sides of the laneway which creates issues with larger boats navigating around parked vehicles.

CONSULTATION

No consultation is required.

PROPOSAL

It is proposed to install No Stopping restrictions by way of signs and unbroken yellow line on the southern side of the laneway between Headlands Avenue (connect with existing Yellow Line) and the end of the laneway in the carpark where it begins to widen.

3 REGULATION OF TRAFFIC

3.1 OTFORD Station, Beaumont and Fanshawe Roads - WARD 1

Coastal Classic 30km Trail Run on 7 September 2019 - Road Closures

BACKGROUND

The event organisers for the annual Coastal Classic Trail run have applied to close Station, Beaumont and Fanshawe Roads, Otford on Saturday 7 September 2019 between 7.30am and 10.00am. The event will start at Otford Public School and arrangements have been made for participants to register at the school as in previous years. Based on previous years experience the organisers have a good relationship with the Otford community and this event will have minimal effect on the wider community in terms of the road network.

The organisers are also arranging for permission to cross Lady Wakehurst Drive under traffic control, from the Roads and Maritime Services (RMS). Runners will be released every 5 seconds and the crossing of Lady Wakehurst Drive can be managed on a hold and release pattern.

CONSULTATION

Consultation with effected property owners is a condition of approval for this event.

PROPOSAL

The road closures of Station, Beaumont and Fanshawe Roads be approved subject to Council's Standard Conditions for Road Closures and approval from the RMS to cross Lady Wakehurst Drive and the submitted Traffic Management Plans for the Coastal Classic 30km Trail Run.

3.2 HUNTLEY Mount Marshall Road - WARD 3

Illawarra Cycle Club Event on Saturday 10 August 2019 – Road Closures

BACKGROUND

In addition to the Cycle events for the Club endorsed by the Traffic Committee on 14 November 2019 the club would like to hold the NSW State Championship Junior Road Cycling Event on Saturday 10 August 2019. The event will start at 8am and finish at 4pm and take place on Marshall Mount Road and require partial road closure with only residents allowed onto the course.

CONSULTATION

The applicant is responsible for consultation with surrounding residents and businesses.

PROPOSAL

The attached Traffic Control Plans for the Illawarra Cycle Event at Mount Marshall Road be approved.

3.3 BULLI Owen Street - WARD 1

Owen Street Christmas Party on Saturday 7 December – Road Closure

BACKGROUND

Council has received a request from residents in Owen Street for a street party to be held on Saturday 7 December 2019 from 2pm to 7pm. The request is for a full road closure of Owen Street between Franklin Avenue and Waterloo Street, Bulli. Diversion of traffic around the closure is expected to have minimal inconvenience upon drivers.

CONSULTATION

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

The proposed road closure be approved subject to Council's Standard Conditions for Street Parties attached.

4 DESIGN MATTERS

4.1 DAPTO Bong Bong Road - WARD 3

Bong Bong Road between Sierra Drive and Station Street – Signage and Linemarking

BACKGROUND

As part of the construction of shared pathway in Bong Bong Rd between Sierra Dr and Station St Dapto, Council is proposing new signage and line marking associated with the shared path.

This section will connect with the existing shared path from opposite Reed Park to Dapto CBD.

CONSULTATION

Consultation is a requirement of the design process.

PROPOSAL

Plans 6408_CO8-C10_4 – Bong Bong Road, Dapto be approved.

4.2 WINDANG Windang Road - WARD 3

Windang Road, Cedar Avenue to Wattle Street – Signage and Linemarking

BACKGROUND

As part of the construction for the proposed sharepath and on-road cycle facilities on Windang Road and accompanying streets (Cedar Avenue, Sassafras Avenue and Oakland Avenue), Windang, Council is proposing various signage and linemarking treatments.

CONSULTATION

Consultation is a requirement of this process.

PROPOSAL

Plans 6412_SK01_1 to 6412_SK04_1 – Windang Road, Windang be approved.

4.3 THIRROUL Thomas Gibson Park - WARD 1

Thomas Gibson Park – Signage and Linemarking

BACKGROUND

As part of the construction of a new shared pathway at Thomas Gibson Park Thirroul from Newbold CI to the existing path, Council is proposing signage/line marking.

CONSULTATION

Consultation is a requirement of this process.

PROPOSAL

Plan 6289_SK02_1 – Thomas Gibson Park, Thirroul be approved.

4.4 GWYNNEVILLE Vickery to Mercury Street - WARD 2

Vickery to Mercury Street – Signage and Linemarking

BACKGROUND

As part of the construction of a new shared path between Vickery St and Mercury St, Gwynneville Council is proposing signage/linemarking.

CONSULTATION

Consultation is a requirement of the design process.

PROPOSAL

Plan 6543_SK03_2 – Vickery to Mercury Street, Gwynneville be approved.

5 LATE ITEMS

5.1 WOLLONGONG Cliff Road and Eastern End of Harbour Street – WARD 2

Cliff Road and Eastern end of Harbour Street – New Year's Eve Road Closures
31 December 2019 from 4.00pm to 10.30pm.

BACKGROUND

Council has prepared traffic management plans for the annual celebration for New Year's Eve 2019. The road closure involves Cliff Road between Endeavour Drive and Georges Place and takes effect from 4.00pm until 10.30pm on Tuesday 31 December 2019. The program of events is centred at Wollongong Harbour and is completed with fireworks at around 9.30pm; consistent with the family orientation of the celebrations. The Gong Shuttle will be diverted via Georges Place and Corrimal Street during the closure.

The Traffic Management Plans are to be tabled at the Meeting.

CONSULTATION

Consultation regarding this Agenda item is a condition of approval.

PROPOSAL

The road closures be approved subject to the submitted Traffic Management Plans and Council's Standard Conditions for Road Closures.

5.2 WOLLONGONG Bourke Street, Cliff Road, Harbour Street, Endeavour Drive, Marine Drive – WARD 2

Bourke Street, Cliff Road, Harbour Street, Endeavour Drive, Marine Drive – Australia Day Road Closures
Sunday 26 January 2020.

BACKGROUND

Council has prepared Traffic Management Plans for the annual celebration for Australia Day 2020. It is proposed that a temporary bus zone be installed on Springhill Road adjacent to the JJ Kelly car park to permit the operation of a park and ride service throughout the day. The road closures of Bourke Street, Cliff Road, Harbour Street, Endeavour Drive and Marine Drive will take effect from 5.00am until 11.00pm on the day. The Gong Shuttle will be diverted by Corrimal Street throughout the day but regular route service buses will be permitted to use the Marine Drive Terminus.

In previous years there were some difficulties with traffic congestion at the intersection of Wilson and Campbell Streets with drivers looking for parking close to Osborne Park. In the 2020 event Wilson Street will only be available for residents and patrons of the motel.

Traffic Management Plans are to be tabled at the Meeting.

CONSULTATION

Consultation regarding this Agenda item is a condition of approval.

PROPOSAL

The road closures be approved subject to the submitted Traffic Management Plans and Council's Standard Conditions for Road Closures.

5.3 WOLLONGONG Harbour and Crown Street– WARD 2

Harbour and Crown Street – Southern Stars – 21 August to 24 August 2019

BACKGROUND

The WIN Entertainment Centre is hosting the annual Southern Stars music festival during the week 21 to 24 August 2019 as in previous years. Road closure plans A and B have been submitted to cover the range of requirements for safe conduct of the event during dress rehearsals, school matinee performances and the final public performances. The road closures can be summarised as follows:

1. Rehearsals Thursday 22 August: Plan B will be used during the hours 5.30pm – 7pm at the completion of the rehearsals. It involves the closure of Crown Street between Harbour Street and Marine Drive. During this closure buses and residents will be permitted to pass through.
2. Matinee performances Friday 23 August: Plan A will be in place and involves the closure of Crown Street and Marine Drive between Harbour Street and Cliff Road. The closure will be in place between 8.30am – 5.00pm. Buses and residents will also be permitted to pass through the road closure and buses used for audiences and participants will then be parked on the closed section of Marine Drive during each performance.
3. Evening Public Performance Friday 23 August: Plan B will be used at the end of this public performance between 9.30pm – 11.00pm.
4. Evening Public performance Saturday 24 August 2019: Plan B will be used prior to the beginning from 4.00pm until 5.30pm and at the conclusion of the performance from 9.30pm to 11.00pm The WIN Entertainment Centre have arranged to access Council car parks in the vicinity; Quilkey Place and Stewart Street Carpark. As in previous years the buses used to transport students to and from the facility will be managed by an experienced volunteer. Parents will be advised of the arrangements to drop off and pick up students away from the WIN Entertainment Centre in order to reduce traffic congestion.

Vehicle mitigation has been considered but no arrangements for barriers or additional parked vehicles because the students and audiences are within the building for the event. The collection of student performers and the student matinee audiences is to be by bus. There are waiting areas inside the Wollongong Entertainment Centre where students are called once their bus arrives. As a result the

students entering the footpath area around the WEC are protected by the waiting buses.

The audience arrivals and departures other than the student matinee are similar to other events at this complex and vehicle mitigation is not regarded as necessary. Traffic Management Plans are to be tabled at the Meeting.

CONSULTATION

Consultation is a condition of approval for this Agenda item.

PROPOSAL

The road closures be approved subject to the submitted traffic management plans and Council's Standard Conditions for Road Closures

5.4 WOLLONGONG Marine Drive – WARD 2

Marine Drive – Australian Motorcycle Festival – 8 to 10 November 2019

BACKGROUND

The Australian Motorcycle Festival is proposed for Friday 8 to Sunday 10 November 2019 at Lang Park Wollongong. In order to set up the event the organisers have proposed that parking be removed in Hector and Hinton Streets to permit the heavy vehicles involved have access to Lang Park. The parking restrictions are required Thursday and Friday 8 November from 6 am to 5 pm and from 3 pm to 10 pm on Sunday 10 November 2019.

The event also involves the closure of Marine Drive from 7 am to 4pm on 9 and 10 November 2019 from the roundabout at the eastern end of Cliff Road to Crown Street. It is proposed that residents, buses and drivers accessing parking in Quilkey Place will be permitted in Crown Street, east of Harbour Street. The organisers have traffic controllers planned to be in place to allow buses in and out of the Marine Drive Bus Terminus during the event.

The Traffic Management Plans are to be tabled at the Meeting.

CONSULTATION

Consultation is a condition of approval for this Agenda item.

PROPOSAL

The road closures be approved subject to the submitted Traffic Management Plans and Council's Standard Conditions for Road Closures.

6 INFORMAL ITEM

6.1 Crowd Safety and Vehicle Mitigation Legislation

BACKGROUND

The well reported issues around crowd safety with major events have affected events on roads, from modest street parties, to major on road parades/festivals and sporting events.

In order to ensure council and its partner organisations on Traffic Committee are well informed, the latest legislation is being discussed. NSW Police have been invited to present information relevant to Traffic Committee recommendations for the Regulation of Traffic items.

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.

Standard Conditions 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
(eg) Temporary Road Closure – Owen Street, Bulli
Date: 6 December 2014
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 **See attached typical road closure set up for a street party – note that vehicles will be required to be parked across the roadway at each closure point.**

Council will endeavour to make available to you the following equipment

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, but these can be obtained at a modest cost from hardware stores. The flashing lights must be fixed to the barriers and operating prior to sunset.

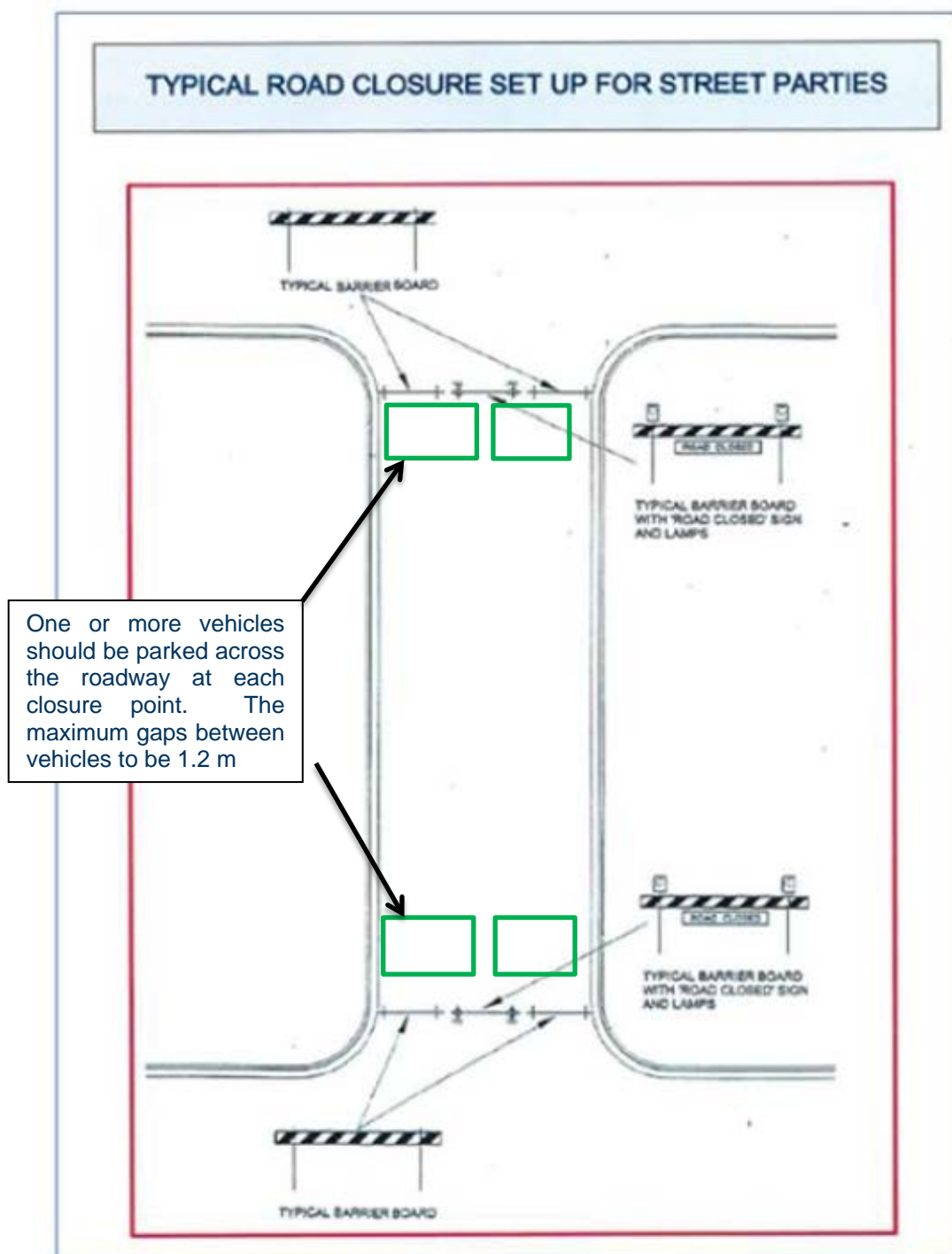
It is your responsibility to collect this equipment from Council's Works Depot Store, Montague Street, North Wollongong, prior to 2.00 pm on the last working day prior to your proposed road closure, and return same on the next working day following the closure. Please ensure you sign a receipt when collecting 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 contact Lee Cramer, Council's Events and Functions Coordinator on 42 277104 two weeks prior to pick-up to ensure availability of the equipment.
- 8 If Council's Store does not have sufficient equipment to lend, you are to obtain equipment from another source (e.g. hire firm) at your expense.

Attachment 2 – Standard Conditions for Street Parties

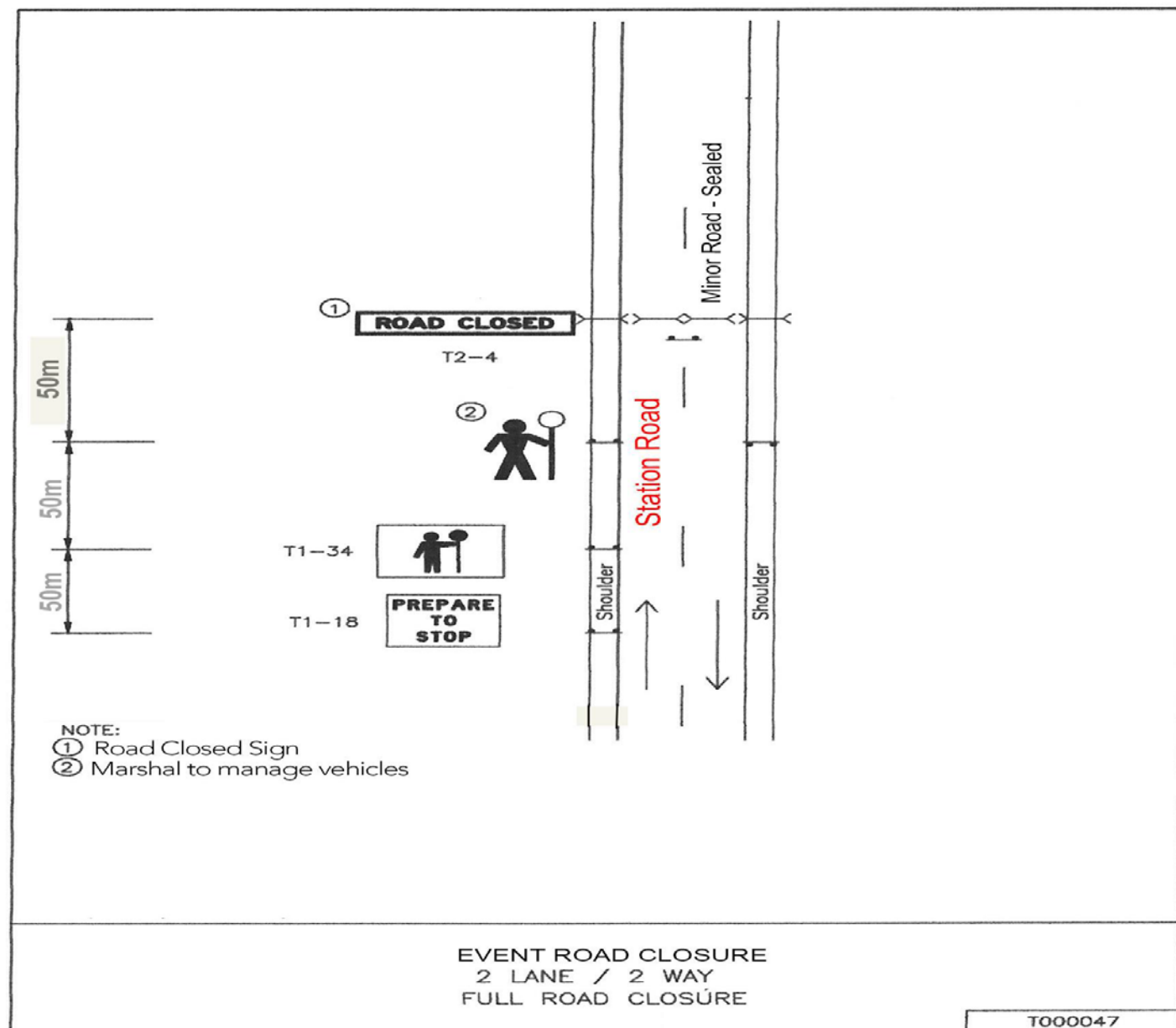


7 September 2019
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TCP - A



Traffic Control Plan for Running Event

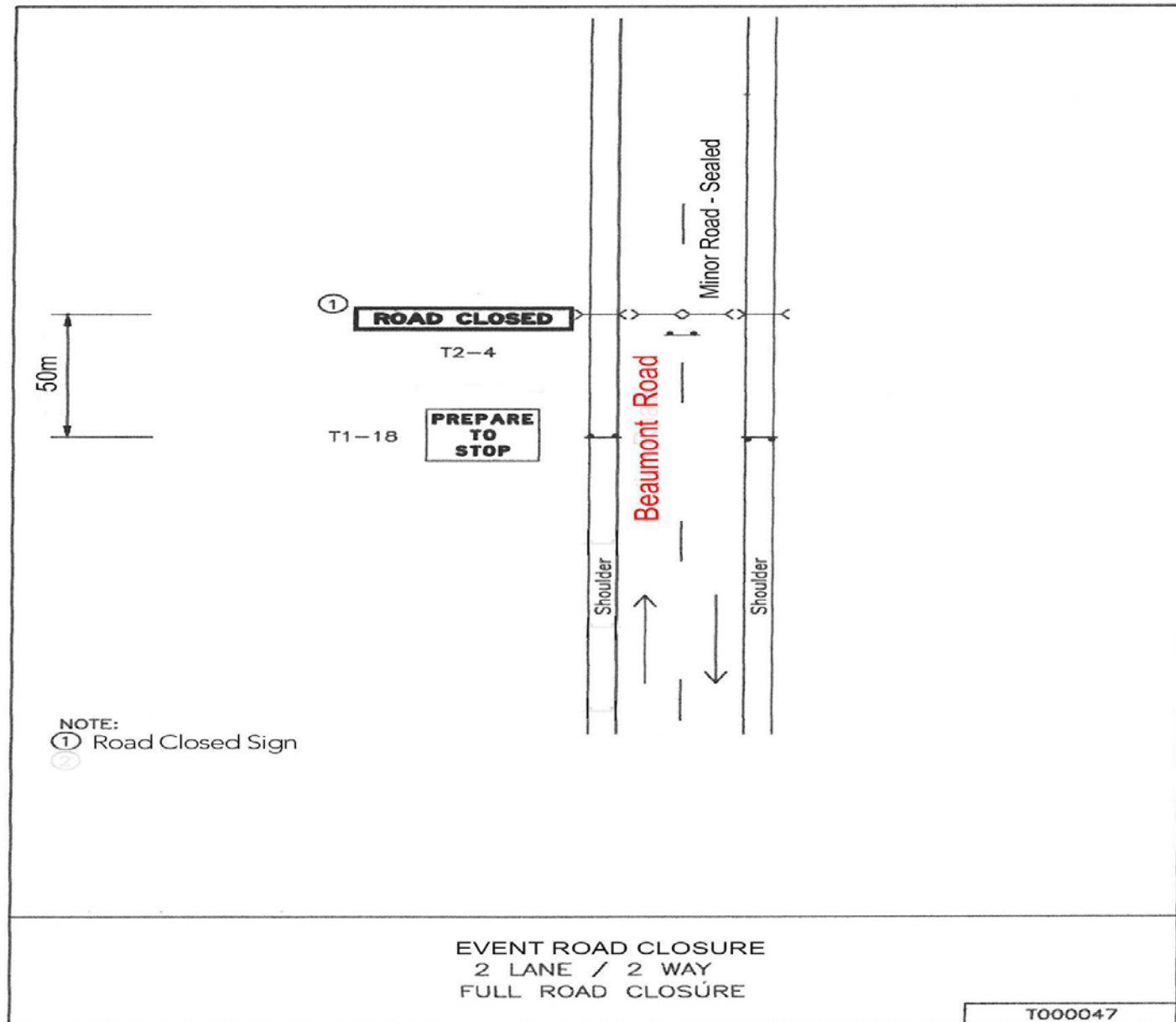


Design and Inspect Traffic Control Plans
Gary Farebrother
Card No: 0032576581 Exp: 18/July/2019

TCP - B



Traffic Control Plan for Running Event

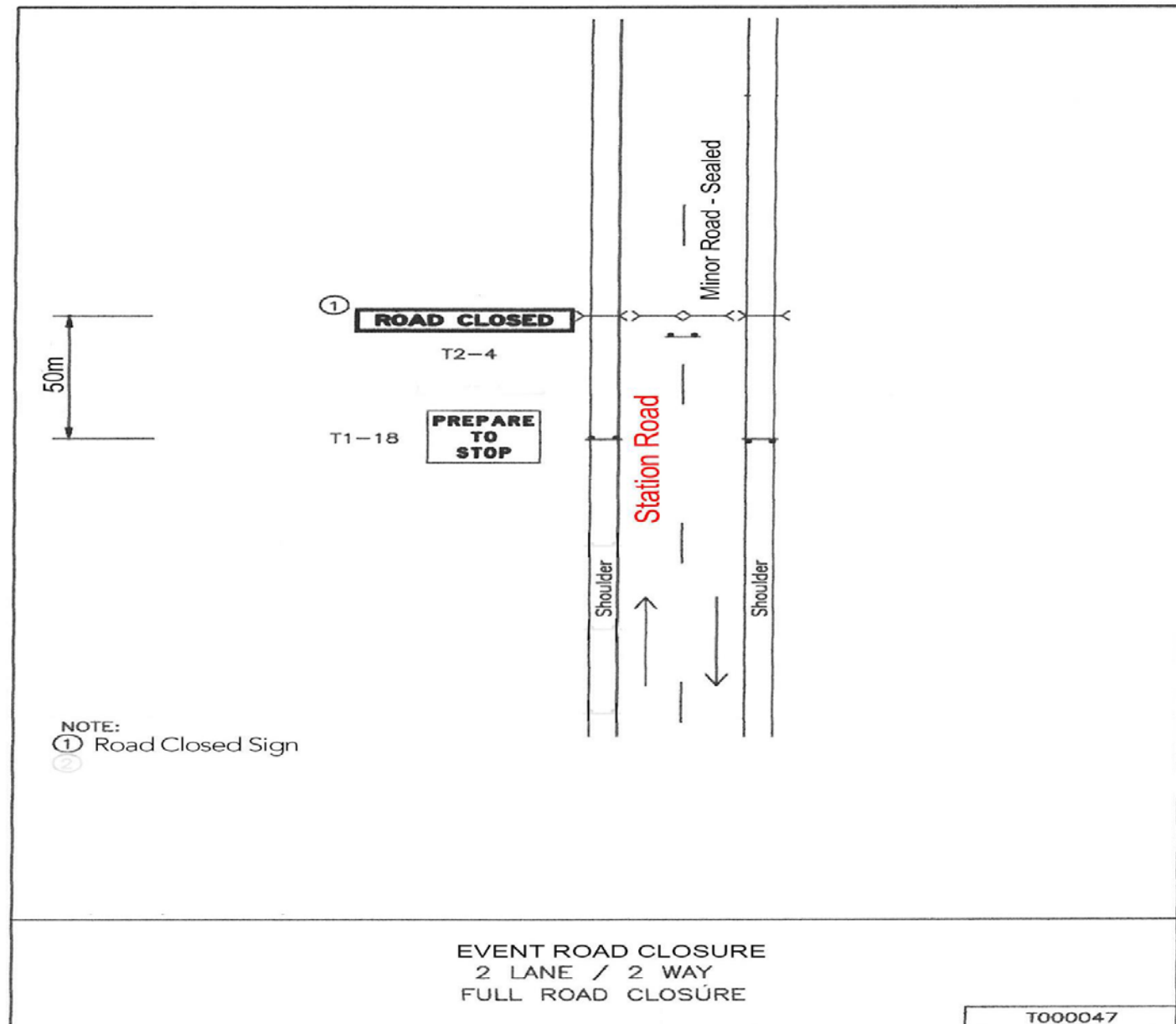


Design and Inspect Traffic Control Plans
Gary Farebrother
Card No: 0032576581 Exp: 18/July/2019

TCP - C



Traffic Control Plan for Running Event

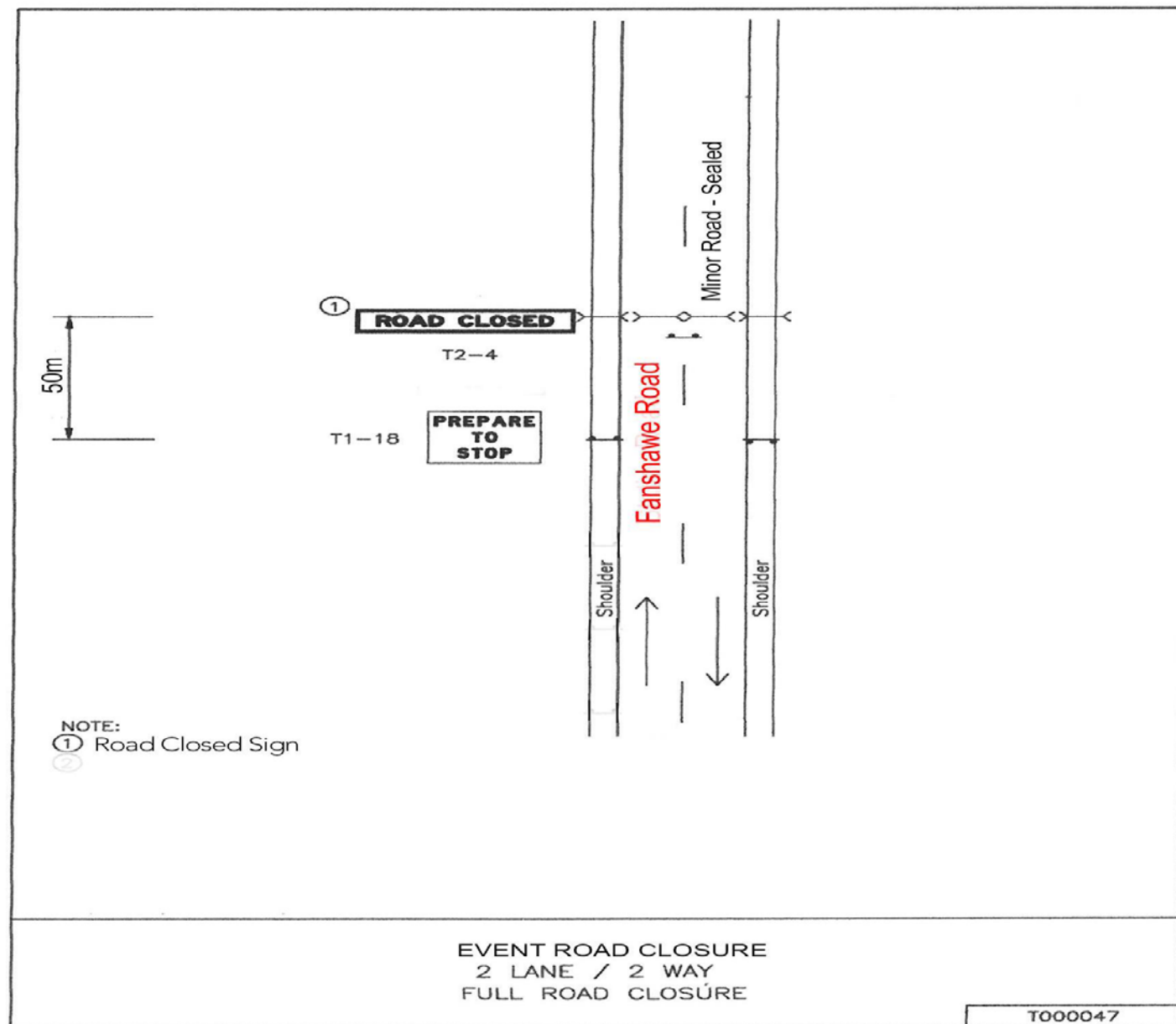


Design and Inspect Traffic Control Plans
Gary Farebrother
Card No: 0032576581 Exp: 18/July/2019

TCP - D



Traffic Control Plan for Running Event

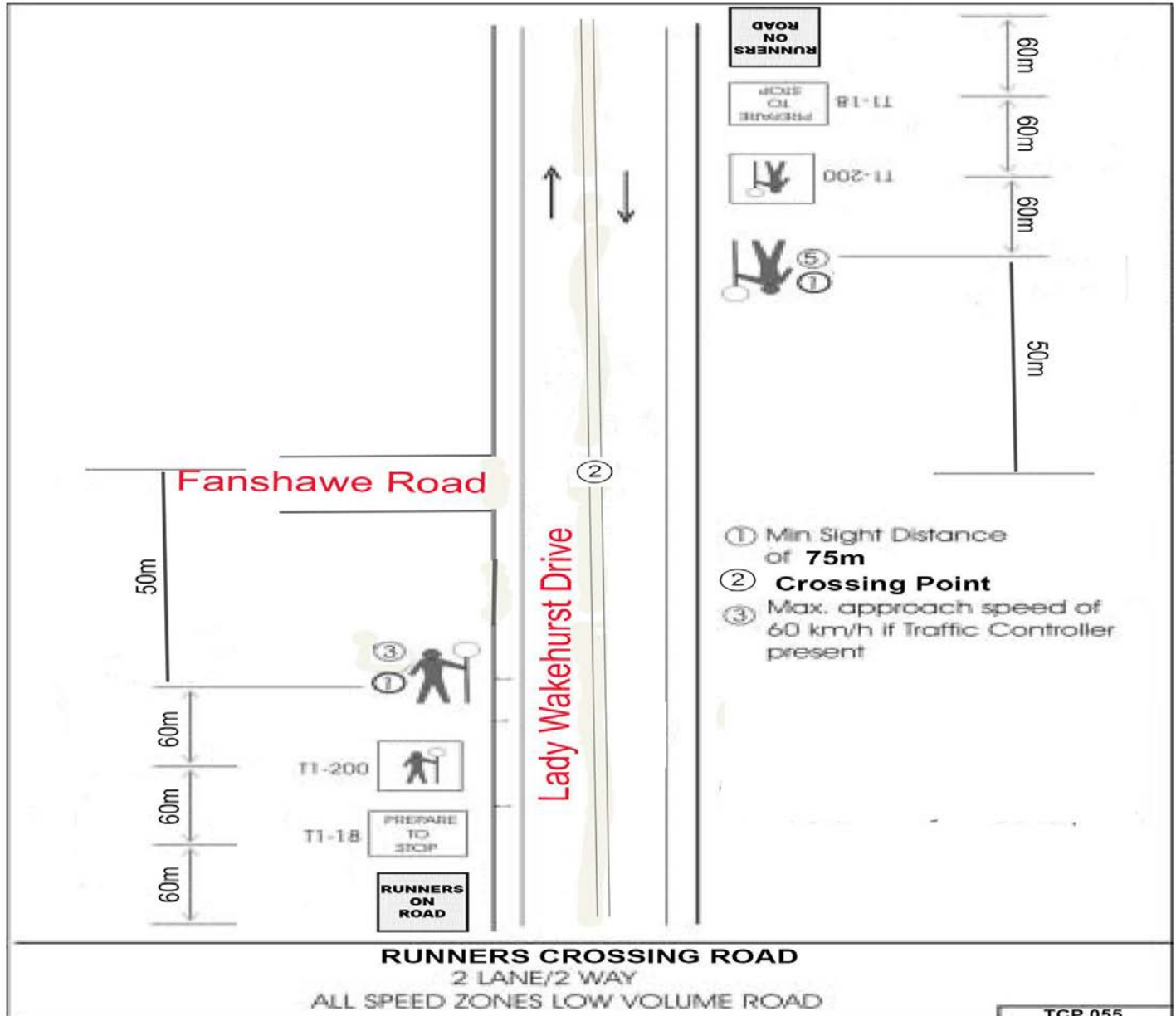


Design and Inspect Traffic Control Plans
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Card No: 0032576581 Exp: 18/July/2019

TCP - E

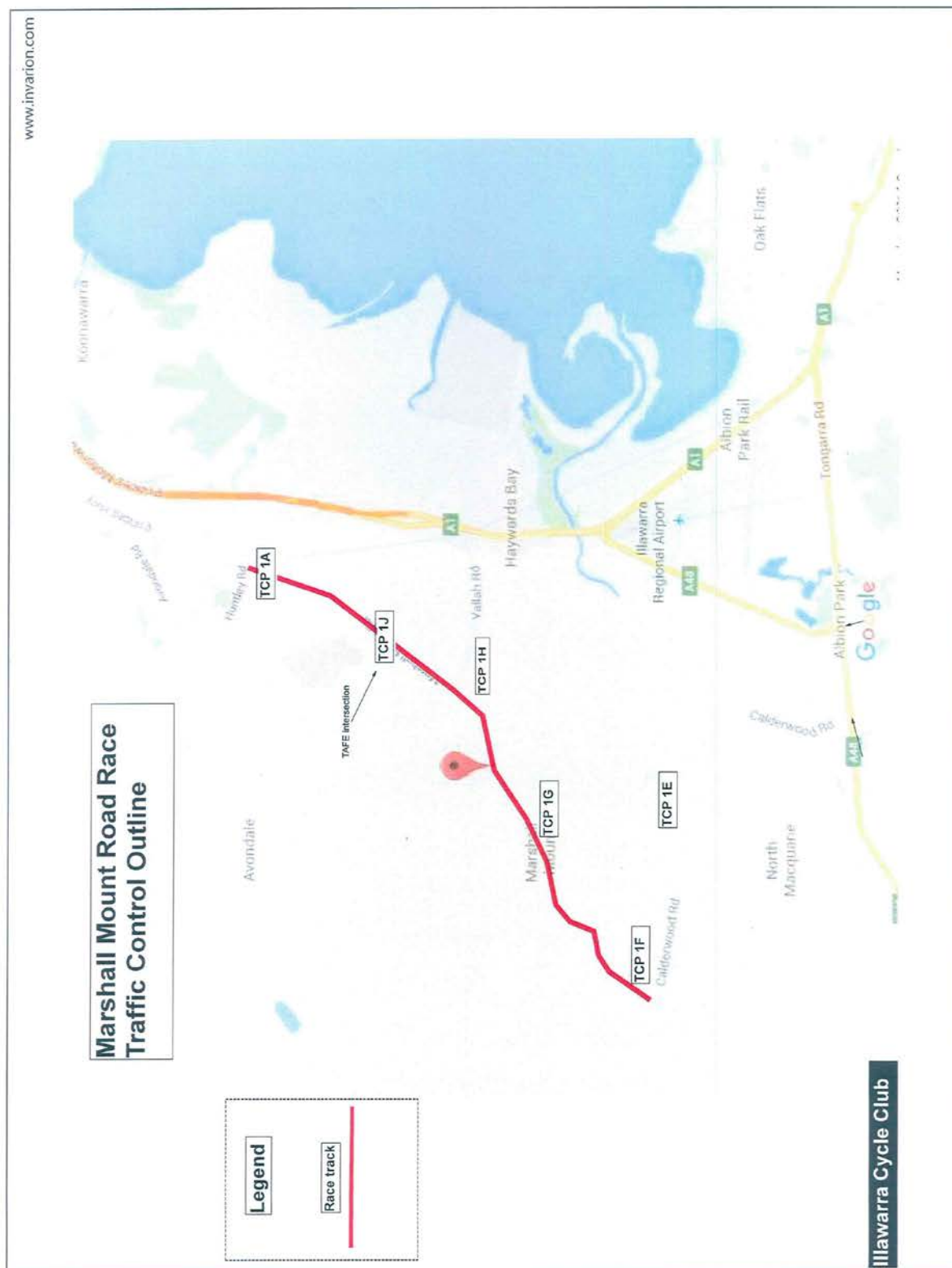


Traffic Control Plan for Running Event

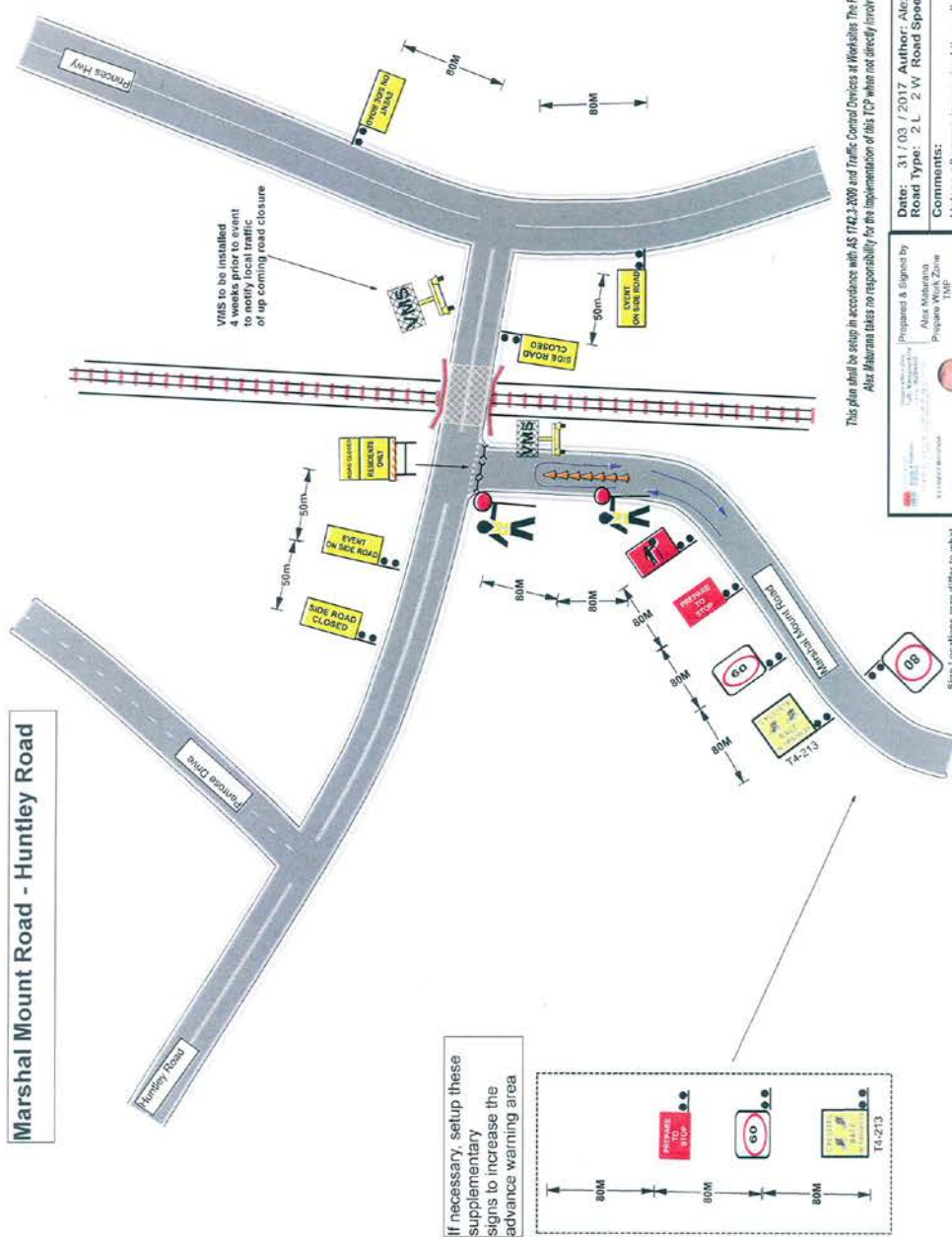


Design and Inspect Traffic Control Plans
 Gary Farebrother
 Card No: 0032576581 Exp: 18/July/2019

Plan - Illawarra Cycle Event at Mount Marshall Road
10 August 2019
Page 1 of 6



TCP 1 A



This plan shall be setup in accordance with AS 1742.3-2009 and Traffic Control Devices at Worksites "The RTA "Traffic Control at Worksites Manual V4"

Date: 31/03/2017 **Author:** Alex Maturana **TMP No:** 31032017
Road Type: 2 L 2 W **Road Speed:** 80 KM/hr

Comments:

Comments:

Unless aftercare is required then all signs shall be removed on completion of job. Sign distances may vary due to obstructions, driveways etc. Plan not to scale.

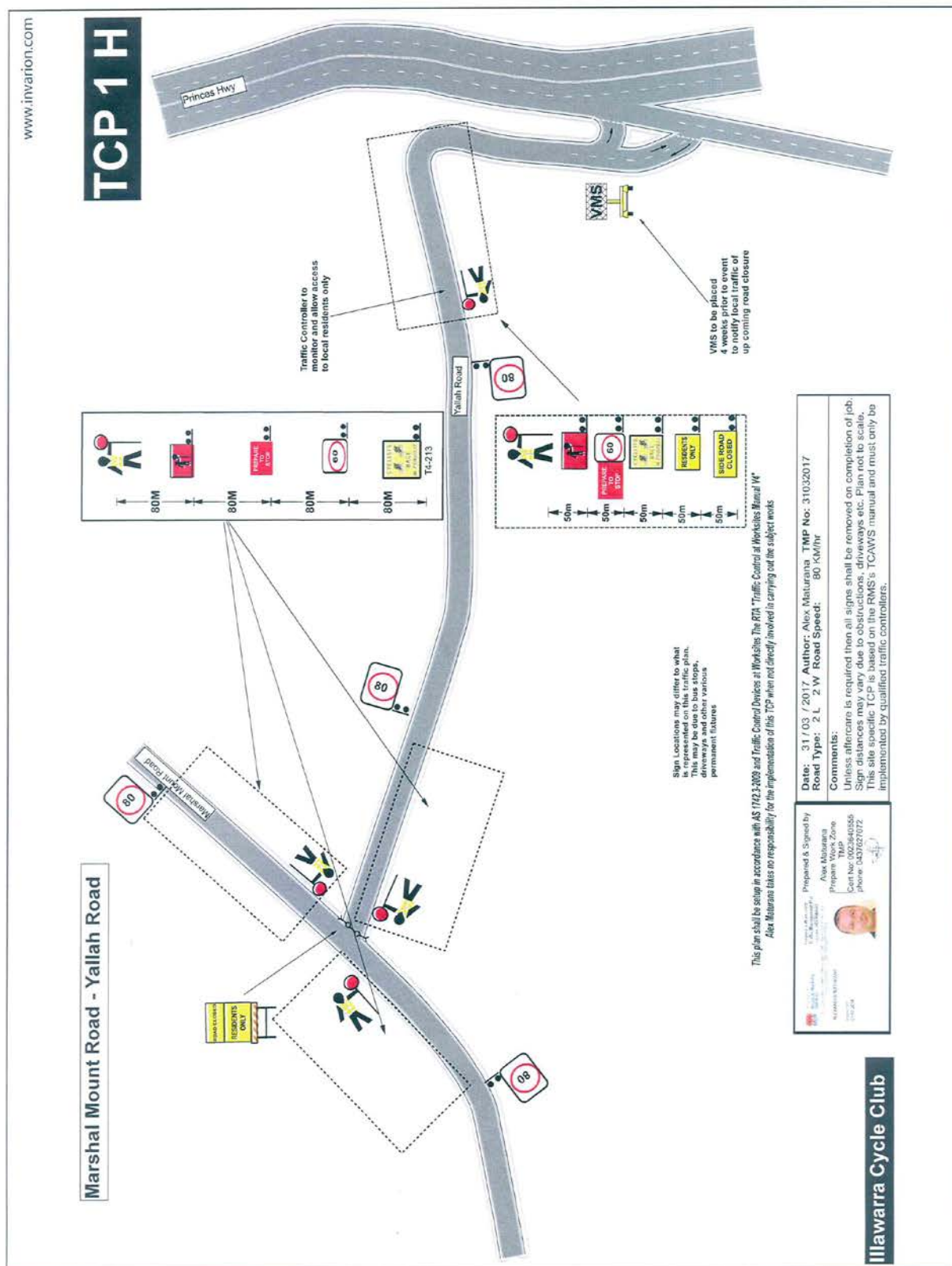
This site specific TCP is based on the RMS's TCAWS manual and must only be implemented by qualified traffic controllers.

Sign Locations may differ to what is represented on this traffic plan. This may be due to bus stops, driveways and other various permanent fixtures.

If necessary, setup these supplementary signs to increase the advance warning area

Illawarra Cycle Club





TCP 1 G

Marshall Mount Road - North Marshall Mount Road

The diagram illustrates a traffic control plan for a road closure on Marshall Mount Road. The main road runs horizontally across the top. A vertical road, North Marshall Mount Road, branches off downwards from the main road. Further down, another road branches off to the right, labeled 'Marshall Mount Road'. Various traffic signs are placed along the roads, including speed limits (80, 60), 'ROAD CLOSED' (W08), 'AHEAD WORK' (W09), 'PREPARE TO STOP' (T4-213), and 'RACE' (T4-213). Personnel are shown at different points along the roads, some holding flags. Distances of 80M are marked between sign locations. A note states: 'This plan shall be setup in accordance with AS 1742.2:2009 and Traffic Control Devices at Workplaces The PIA, Traffic Control at Workplace Manual V4'. Another note says: 'After clearance takes no responsibility for the implementation of this TCP when not directly involved in carrying out the subject works'.

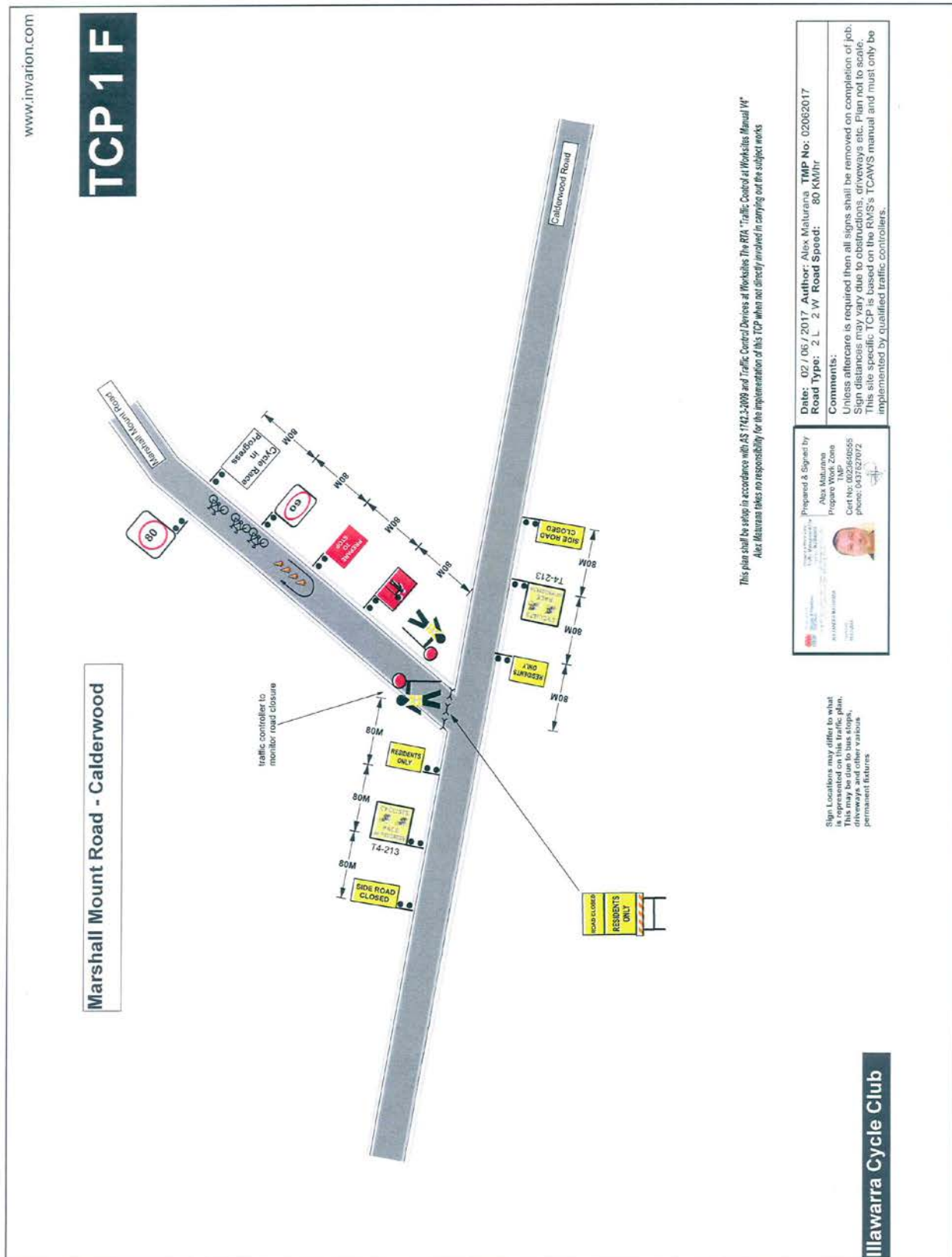
Date: 31 / 03 / 2017 **Author:** Alex Malurana **TMP No:** 31032017
Road Type: 2 L 2 W **Road Speed:** 80 KMHr

Comments:
 Unless otherwise required then all signs shall be removed on completion of job.
 Sign distances may vary due to obstructions, driveways etc. Plan not to scale.
 This site specific TCP is based on the RMS's TCAWS manual and must only be implemented by qualified traffic controllers.

Prepared & Signed by:
 Alex Malurana
 Prepare TMP Zone
 Cert No: 002360655
 phone: 0437627072

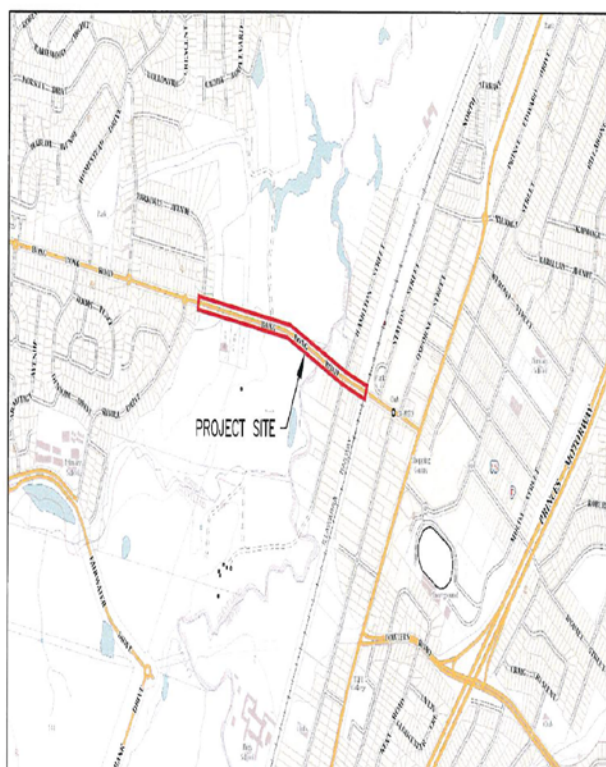
Sign Locations may differ to what is represented on this traffic plan. Signs are placed on the main road, side roads, driveways and other various permanent fixtures

Illawarra Cycle Club

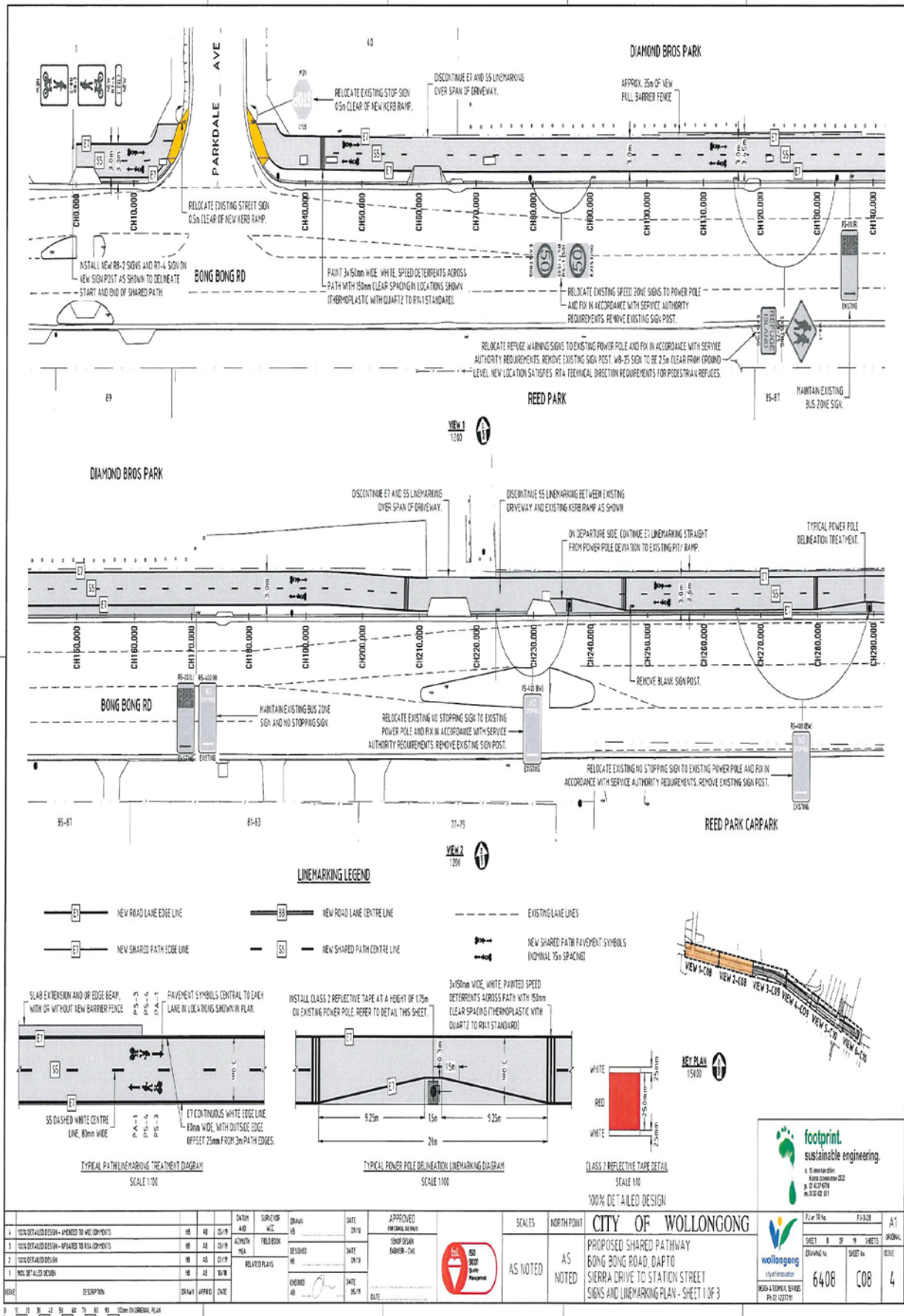


DWG. No.	DESCRIPTION
6A-01	TITLE SHEET
6A-02	NOTES
6A-03	EROSION AND SEDIMENT CONTROL PLAN
6A-04	SURVEY AND SERVICES PLAN
6A-05	GENERAL ARRANGEMENT PLAN - SHEET 1 OF 3
6A-06	GENERAL ARRANGEMENT PLAN - SHEET 2 OF 3
6A-07	GENERAL ARRANGEMENT PLAN - SHEET 3 OF 3
6A-08	SIGNS AND LINE MARKING PLAN - SHEET 1 OF 3
6A-09	SIGNS AND LINE MARKING PLAN - SHEET 2 OF 3
6A-10	SIGNS AND LINE MARKING PLAN - SHEET 3 OF 3
6A-11	TYPICAL SECTIONS
6A-12	DETAILS SHEET - 1 OF 2
6A-13	DETAILS SHEET - 2 OF 2
6A-14	CROSS SECTIONS - SHEET 1 OF 3
6A-15	CROSS SECTIONS - SHEET 2 OF 3
6A-16	CROSS SECTIONS - SHEET 3 OF 3
6A-17	SEWTOY PLAN - SHEET 1 OF 3
6A-18	SEWTOY PLAN - SHEET 2 OF 3
6A-19	SEWTOY PLAN - SHEET 3 OF 3
6A-501	MULLET CREEK BRIDGE - PLAN AND STRUCTURAL NOTES
6A-502	MULLET CREEK BRIDGE - STRUCTURAL DETAILS

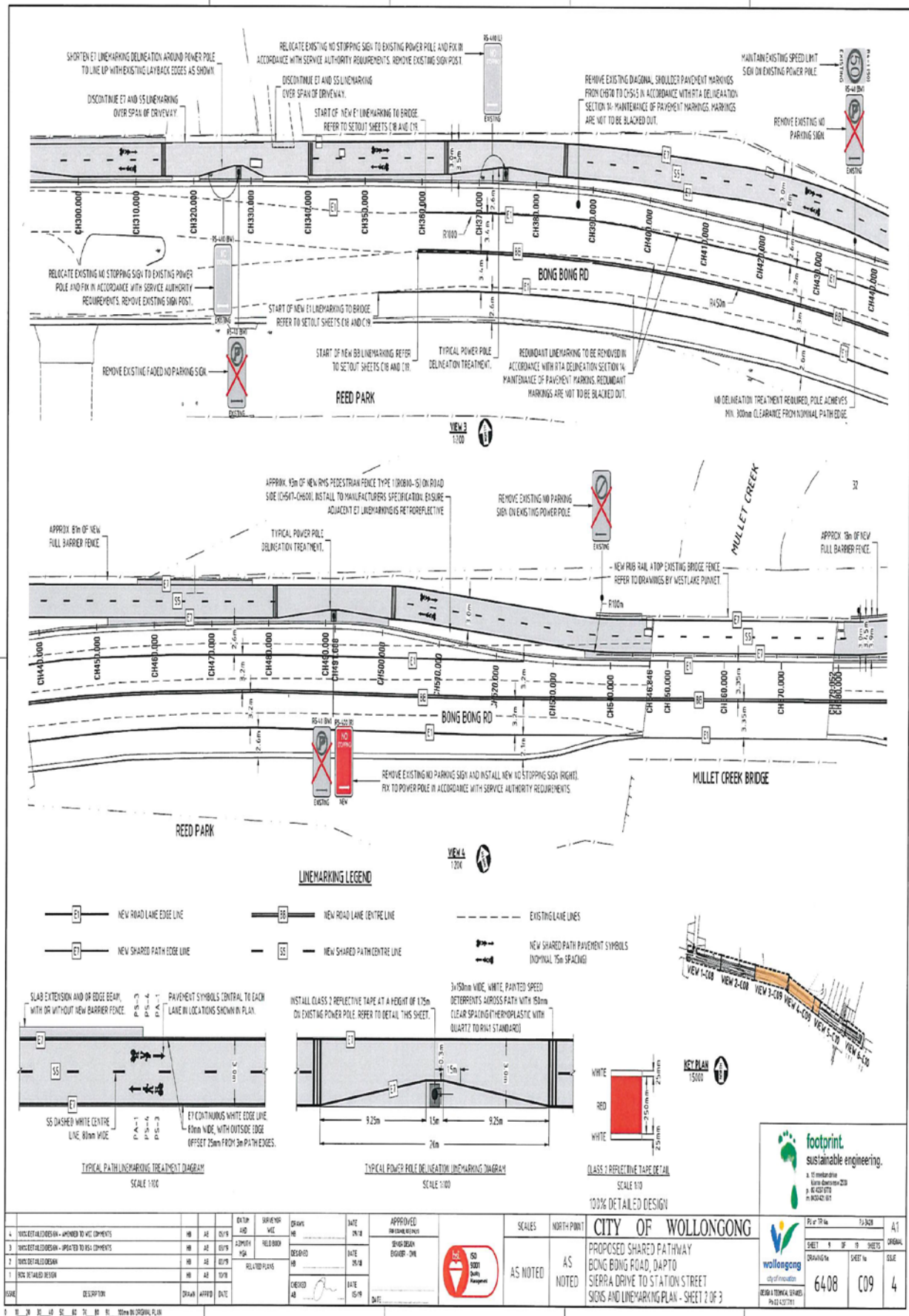
DWG No.	DESCRIPTION
5000-C10-A	STANDARD KERB PROFILES
5000-C30-A	VEHICULAR CROSSING DETAILS, RESIDENTIAL TYPE - BARRIER KERB
5000-C32-A	VEHICULAR CROSSING DETAILS, INDUSTRIAL TYPE - BARRIER KERB

[illegible]

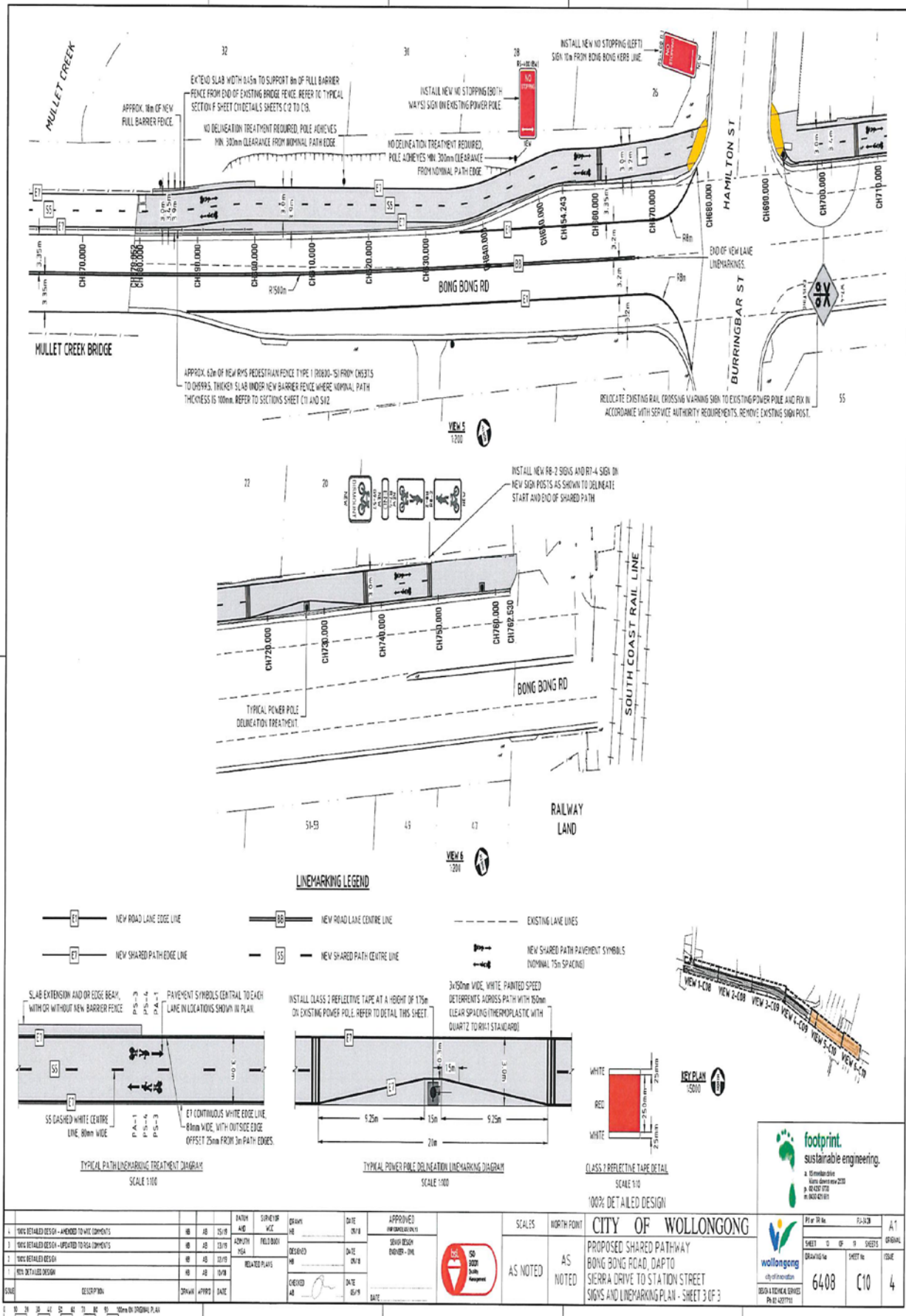
Plan 6408_C08_4 - Bong Bong Road, Dapto



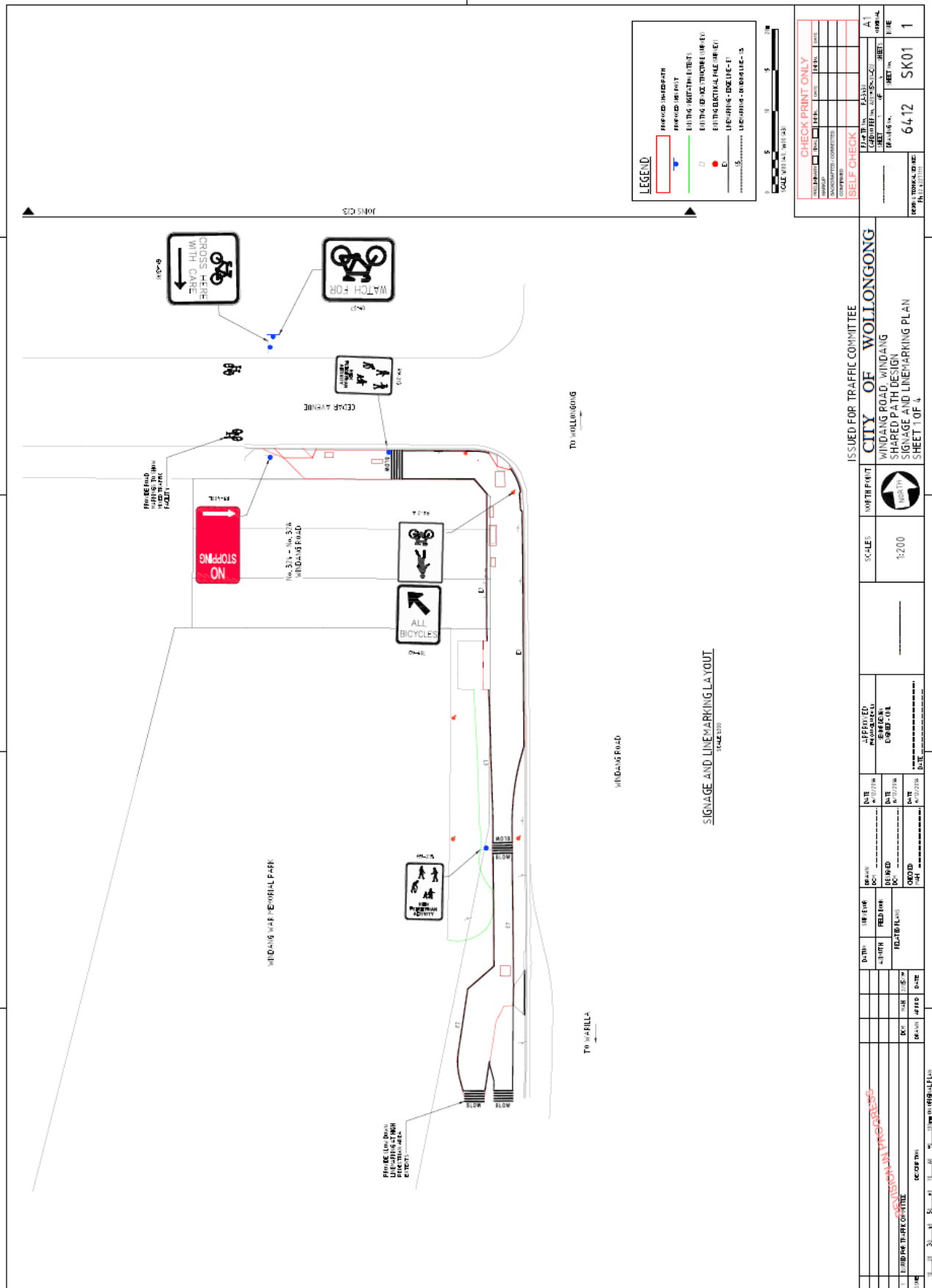
Plan 6408_C09_4 Bong Bong Road, Dapto



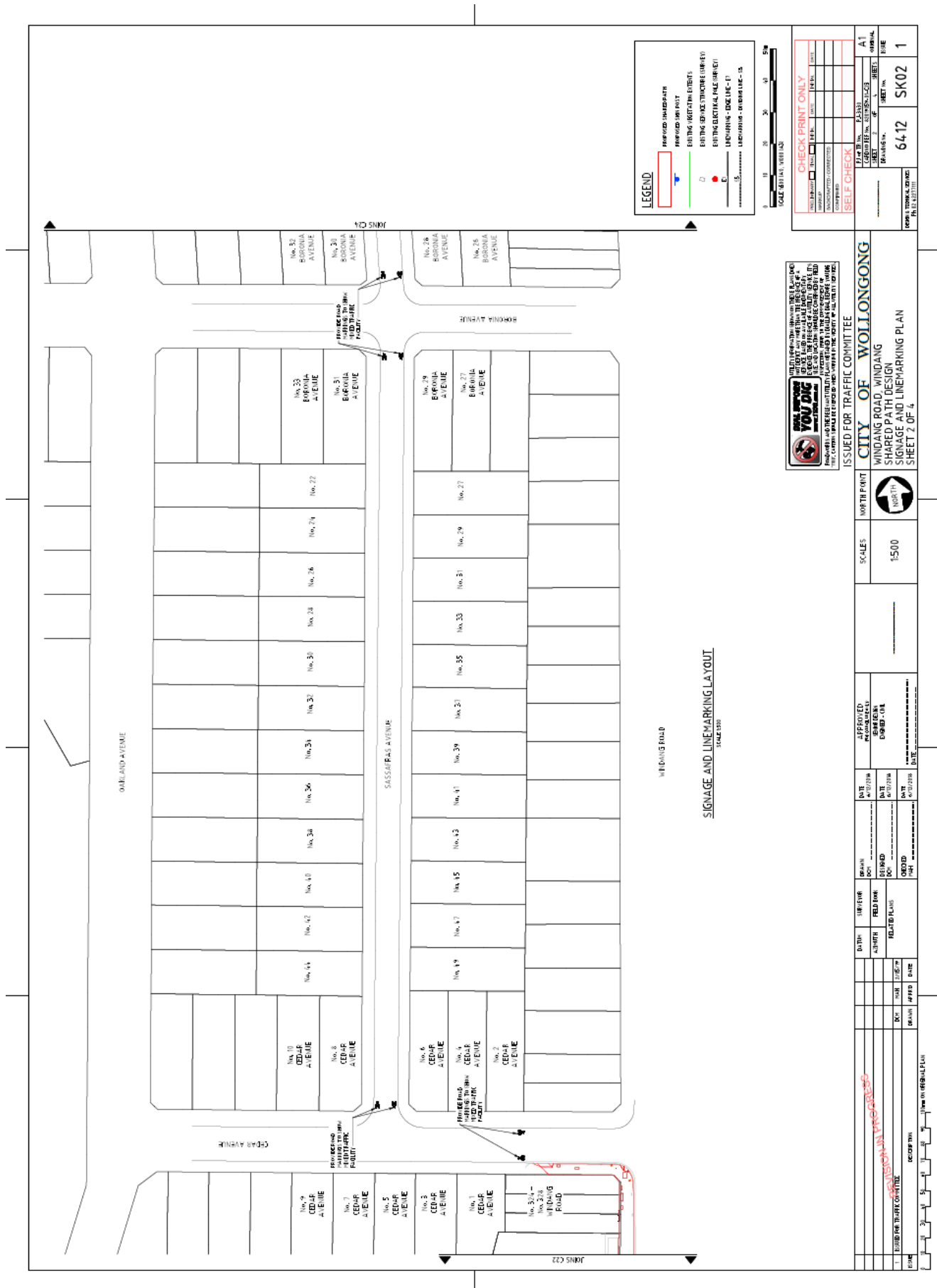
Plan 6408_C10_4 - Bong Bong Road, Dapto



Plan 6412_SK01_1 – Windang Road, Windang

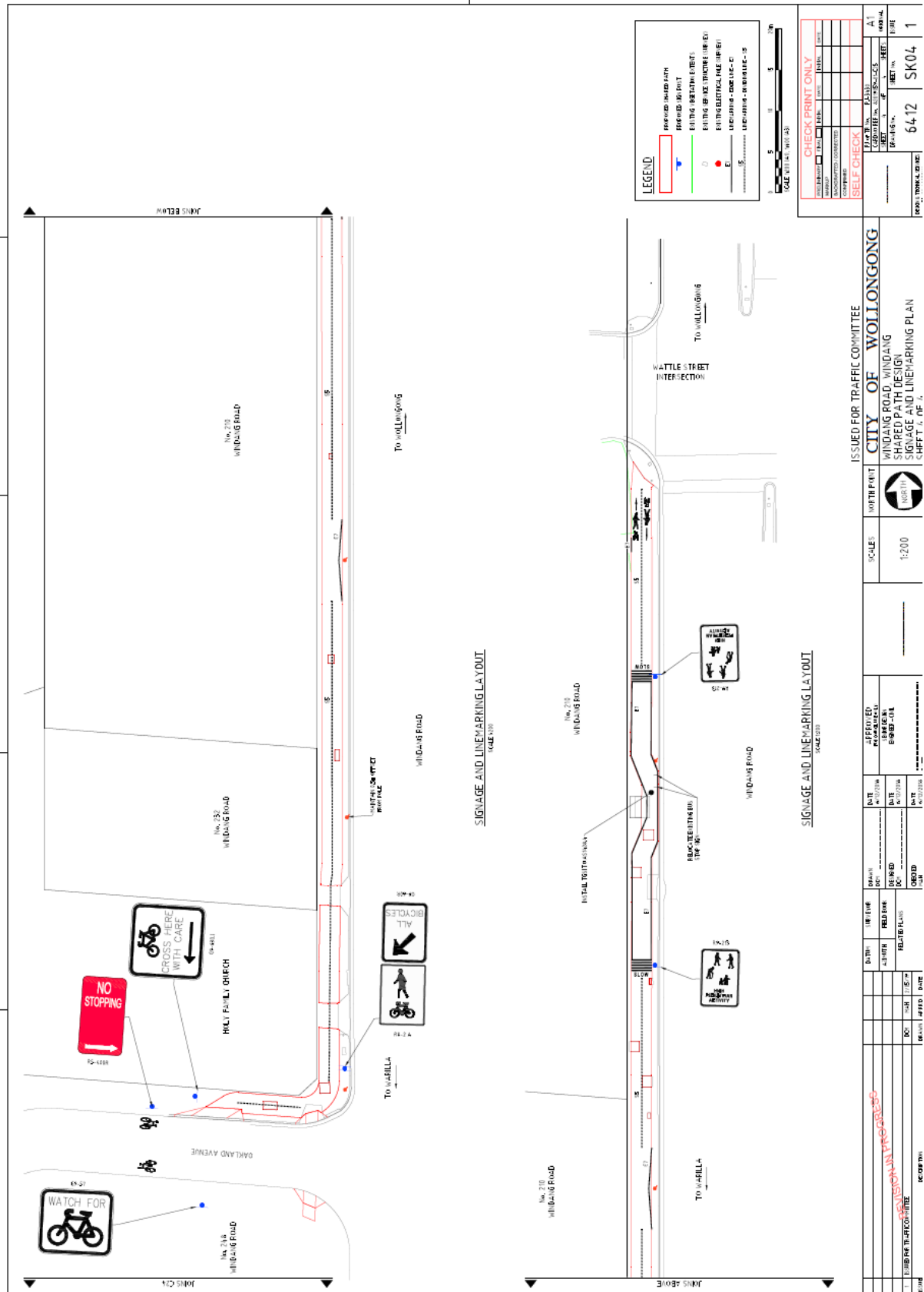


Plan 6412_SK02_1 – Windang Road, Windang

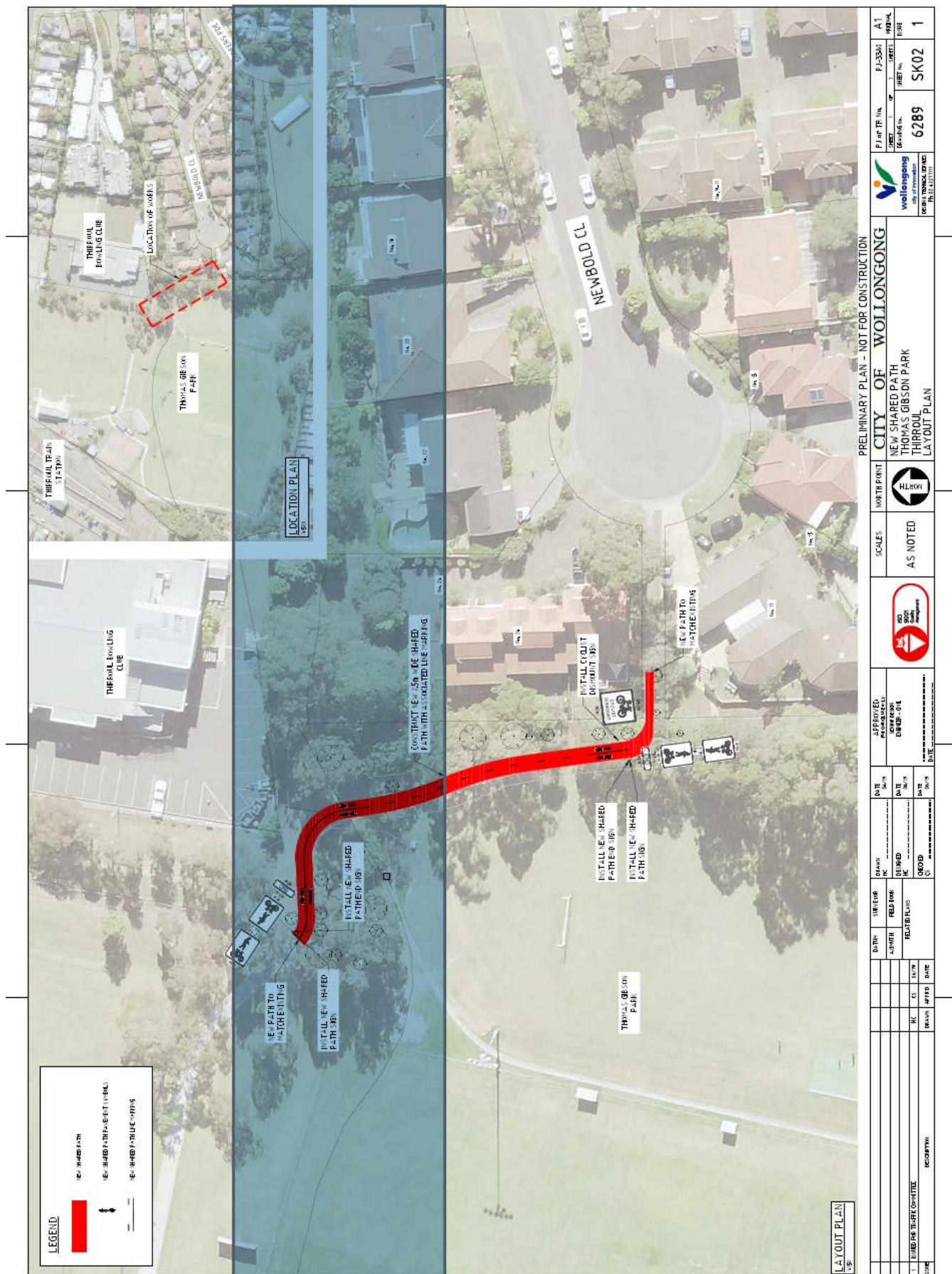


[illegible]

Plan 6412_SK04_1 – Windang Road, Windang



Plan 6289_SK02_1 – Thomas Gibson Park, Thirroul



Plan 6543_SK03_2 - Vickery to Mercury Street, Gwynneville



1 of 4



TRAFFIC CONTROL PLAN FOR AUSTRALIA DAY CLOSURES - SPRINGHILL RD

www.invarion.com

JJ KELLY
Car PARKING

Temp Bus Stop

Mesh/Bunting fence
to be installed by WCC

80 m

Keira St

Springhill Rd

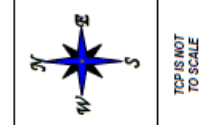
ROAD WORK AHEAD



Email: info@traffic-logistics.com.au
Web: www.traffic-logistics.com.au
Wollongong - 1300 001 599
Sydney - 02 4548 2000
Phone: Newcastle - 02 4050 0336

Client: Wollongong City Council
Location: Burke and Cliff Rd Wollongong
Top No: TLTCP-AS-59714
REV: A
Scope Of Works: Road Closure
Top(s) Used as a Guide: 54
Top Designed Date: 20/06/2019
Top Expire Date: 20/06/2020

Designed by: Mark Hayward
Cert No: 0046246153
Signature: *Mark Hayward*



Approximate speed of traffic at beginning of taper	Traffic control taper	Lateral control taper	Merge taper
45 or less	15	0	15
45 - 55	15	15	30
55 - 65	30	30	60
65 - 75	N/A	70	115
75 - 85	N/A	80	130
85 - 95	N/A	90	145
95 - 105	N/A	100	160
Greater than 105	N/A	110	180

D - THE SPEED OF TRAFFIC MEASURED IN KM/H
Eg. 30KM - 30M
60KM - 60M
50KM - 50M
TCP design speed 110km/h
Austroads Standard 142.3
Traffic Logics do not accept responsibility of this traffic control plan if it is not implemented by Traffic Logics Pty Ltd

Implemented By
Name -
Cert No -
Date -
Signed -

This TCP is to be setup and packed up by qualified traffic controllers with minimum current Implement Traffic Control Plans (Yellow Card). Any modifications to this TCP is to be made by qualified personnel. All modifications to be signed off on this TCP along with certification number

www.invarion.com

TRAFFIC CONTROL PLAN FOR AUSTRALIA DAY - HARBOUR & CROWN ST

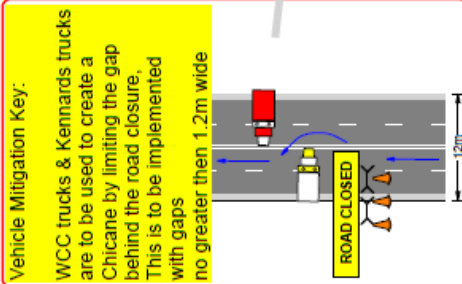
Traffic Controllers to close roads
at 5:00 AM and open again at 10:30pm

Advise drivers accessing the precinct
of 5km/hour ONLY speed limit

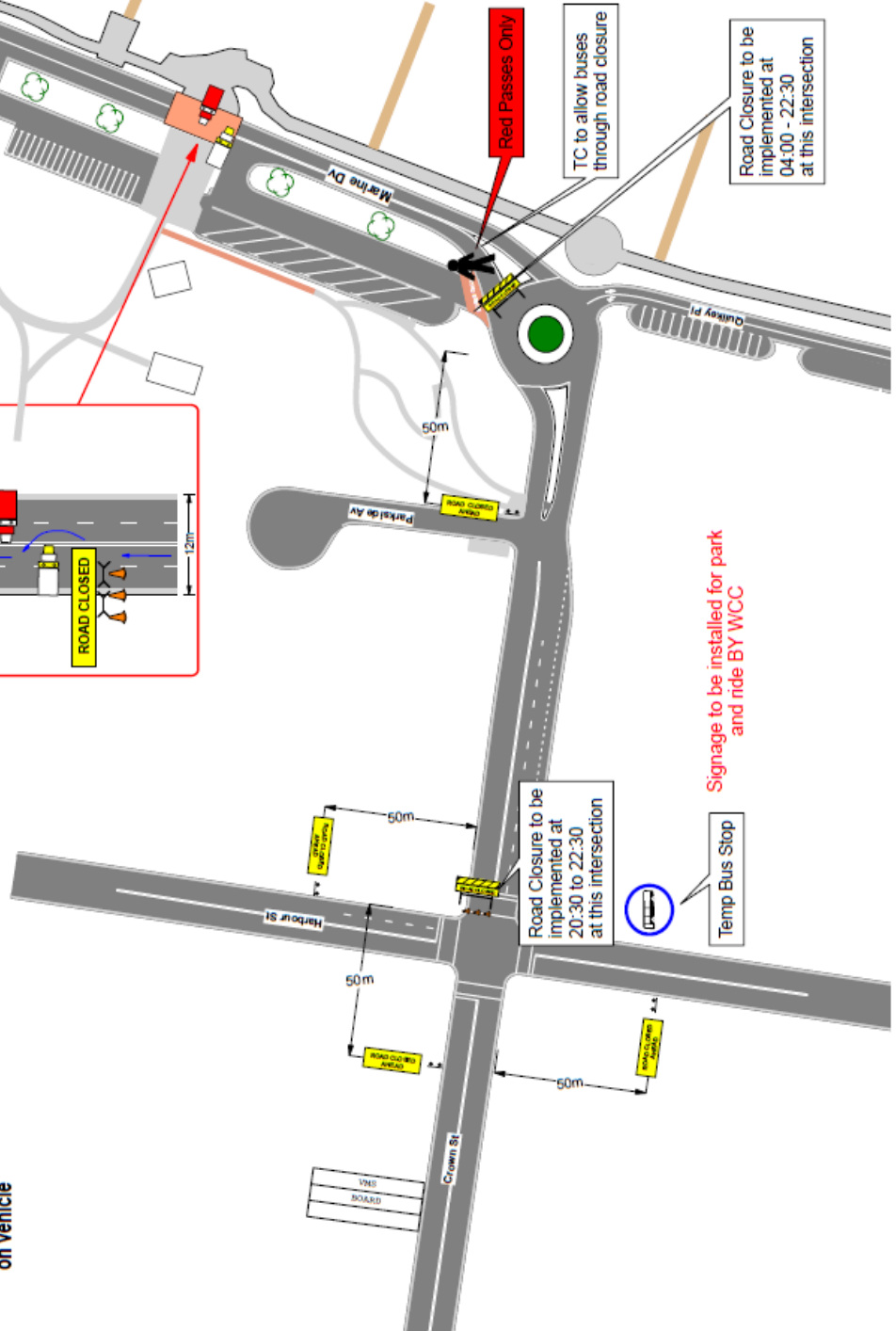
Access Passes:
Are to be worn by owner or displayed
on vehicle

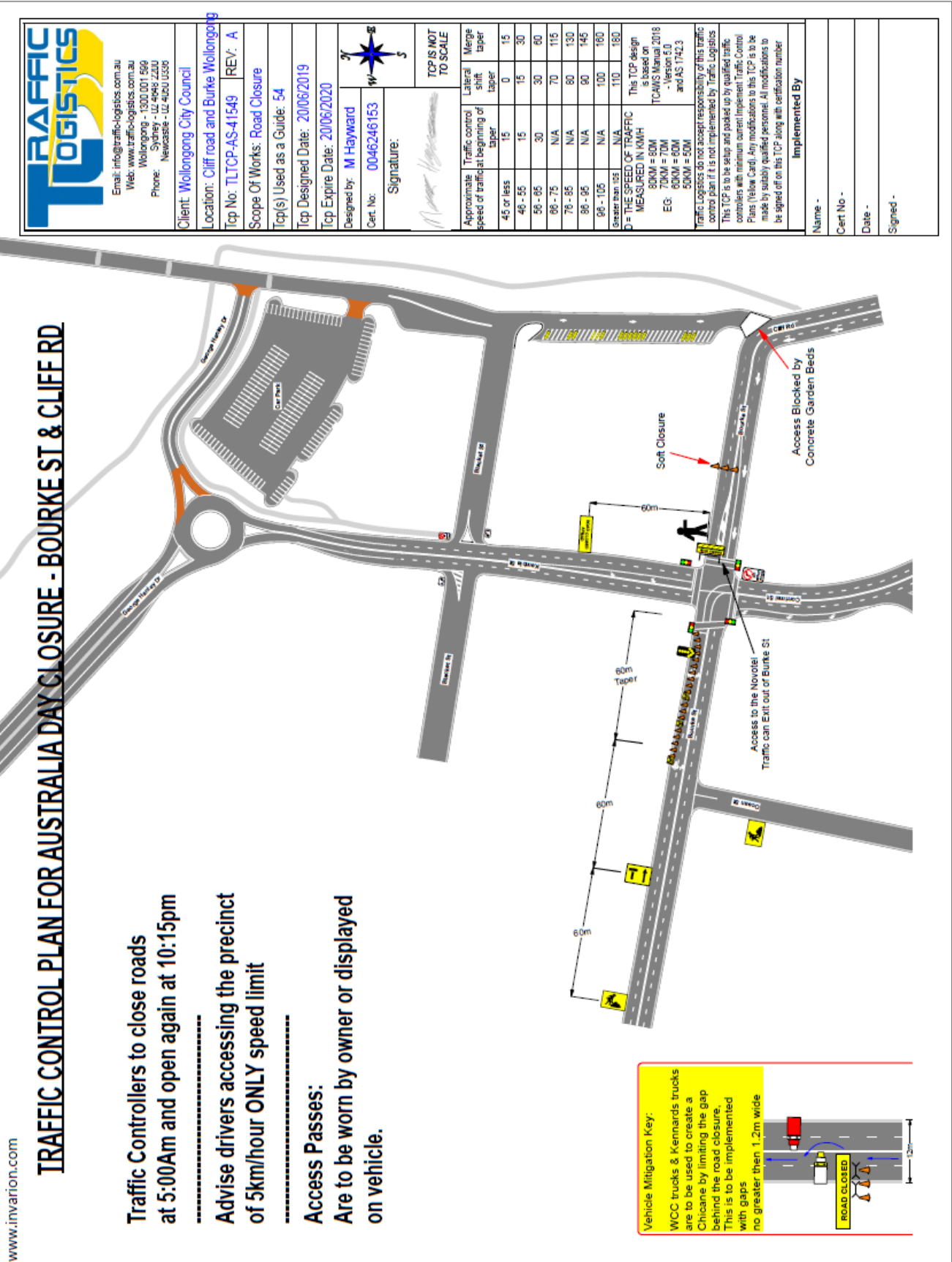
Legend

- Cone
- Kenrards Vehicle
- WCC Truck



TRAFFIC LOGISTICS Email: info@traffic-logistics.com.au Web: www.traffic-logistics.com.au Wollongong - 1300 001 559 Sydney - 02 4648 2300 Newcastle - 02 4950 0336		Client: Wollongong City Council																																											
Location: Marine Dr Wollongong		REV: A																																											
Top No: TLTCP-AS-41549		Scope Of Works: Road Closure																																											
Top(s) Used as a Guide: 54		Top(s) Designed Date: 20/06/2019																																											
Top Expire Date: 20/06/2020		Designed by: M Hayward																																											
Cert. No: 0046246153		Signature: <i>M Hayward</i>																																											
TOP IS NOT TO SCALE		<table border="1"> <tr> <th>Approximate speed of traffic at beginning of taper</th> <th>Lateral shift of taper</th> <th>Merge taper</th> </tr> <tr> <td>45 or less</td> <td>15</td> <td>0</td> </tr> <tr> <td>46 - 55</td> <td>15</td> <td>15</td> </tr> <tr> <td>56 - 65</td> <td>30</td> <td>30</td> </tr> <tr> <td>66 - 75</td> <td>N/A</td> <td>70</td> </tr> <tr> <td>76 - 85</td> <td>N/A</td> <td>80</td> </tr> <tr> <td>86 - 95</td> <td>N/A</td> <td>90</td> </tr> <tr> <td>96 - 105</td> <td>N/A</td> <td>100</td> </tr> <tr> <td>Greater than 105</td> <td>N/A</td> <td>110</td> </tr> <tr> <td>Greater than 110</td> <td>N/A</td> <td>120</td> </tr> <tr> <td>Greater than 120</td> <td>N/A</td> <td>130</td> </tr> <tr> <td>Greater than 130</td> <td>N/A</td> <td>145</td> </tr> <tr> <td>Greater than 145</td> <td>N/A</td> <td>160</td> </tr> <tr> <td>Greater than 160</td> <td>N/A</td> <td>180</td> </tr> </table>		Approximate speed of traffic at beginning of taper	Lateral shift of taper	Merge taper	45 or less	15	0	46 - 55	15	15	56 - 65	30	30	66 - 75	N/A	70	76 - 85	N/A	80	86 - 95	N/A	90	96 - 105	N/A	100	Greater than 105	N/A	110	Greater than 110	N/A	120	Greater than 120	N/A	130	Greater than 130	N/A	145	Greater than 145	N/A	160	Greater than 160	N/A	180
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Plan – Southern Stars
Harbour and Crown Streets, Wollongong
21 August to 24 August 2019
1 of 2 Plan A

