

WOLLONGONG CITY COUNCIL
INFRASTRUCTURE STRATEGY & PLANNING DIVISION

**TRAFFIC, TRANSPORT AND
ROAD SAFETY SECTION**

MINUTES

**CITY OF WOLLONGONG TRAFFIC COMMITTEE
WEDNESDAY, 21 JANUARY 2015**

The City of Wollongong Traffic Committee is not a Committee of Wollongong City Council but a Technical Committee of the Roads & Maritime Services. 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 disagree 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:

The 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.

<p>CWTC Meeting Level 10 Committee Rooms 2 & 3 Commencing 9.15 am</p>
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**CITY OF WOLLONGONG TRAFFIC COMMITTEE
MINUTES
FORMAL ITEMS
(UNDER RMS DELEGATED AUTHORITY)**

GENERAL BUSINESS

1	AUSTINMER	Beach carpark	Park in bays only sign
2	KEIRAVILLE	Robsons Road	Proposal for No Parking Coaches Excepted adjacent to new entrance to University
3	WEST WOLLONGONG	Fisher Street	Replacement of a No Standing sign with No Stopping Restrictions
4	WEST WOLLONGONG	Powell Street	Replacement of a No Standing sign with No Stopping Restrictions
5	WOLLONGONG	Burelli Street east bound approaching pedestrian facility (kerb extension) at IPAC	Install edgelines east bound in Burelli Street in this section
6	WOLLONGONG	Burelli Street east bound approaching pedestrian facility (kerb extension) at Globe Way	Install edgelines east bound in Burelli Street in this section
7	WOLLONGONG	Stewart Street east bound approaching the pedestrian facility (kerb extension) at the rear of the WCC Admin Building	Install edgelines on the east bound carriageway between the pedestrian facility and Kembla Street
8	WOLLONGONG	Various streets in Wollongong	Late night parking restrictions adjacent to taxi zones
9	MOUNT KEMBLA	Kirkwood Place	Review of No Stopping Restrictions
10	BERKELEY	Semaphore Road	Replace reflectors between Berkeley Road and Cribb Street
11	KEMBLA GRANGE	Reddalls Road and West Dapto Road	Improvements to Line Marking

REGULATION OF TRAFFIC

12	PORT KEMBLA	Military Road between Church and Allan Streets	Water Slide Event 21 March 2015
13	PORT KEMBLA	Gloucester Boulevard	Illawarra Triathlon Club Road Closure Times Variations
14	WOLLONGONG	Bourke Street, Kembla Street & Cliff Road	Tri The Gong Triathlon 7 – 8 March 2015

15	WOLLONGONG	Marine Drive, Endeavour Drive, Cliff Road, Bourke Street, George Hanley Drive	The Colour Run 24 May 2015
16	WOLLONGONG	New Dapto Road	Closure of northbound carriageway for four weekends Feb – Mar 2015
17	KEMBLA GRANGE	Darkes, West Dapto, Sheaffes and Paynes Roads	Kembla Joggers Winter Road Race Series 2015

DESIGN MATTERS

18	WOLLONGONG	Keira Street between Swan and Tait Streets	Pedestrian Refuge Facility
19	WOLLONGONG	Globe Lane	Provision of parking bays
20	BERKELEY	Winnima Way	Berkeley Community Hall New Car Park
21	DAPTO	Bong Bong Road and Glenlee Drive	Roundabout at the intersection of Bong Bong Road and Glenlee Drive

INFORMAL ITEMS (TRAFFIC ENGINEERING ADVICE ONLY)

**CITY OF WOLLONGONG TRAFFIC COMMITTEE
21 JANUARY 2015
MINUTES**

**FORMAL ITEMS
(UNDER RMS DELEGATED AUTHORITY)**

Present:

Lindsay Dunstan	(Chairman) Wollongong City Council
Shane Harding	Wollongong City Council
Andy Gaudiosi	Roads & Maritime Services
Snr Const. Andrew Cotton	NSW Police Force
Reg Jago	Representing Noreen Hay MP

In Attendance:

Les Dion	Dion's Bus Service
Sunny Brailey	Premier Illawarra
Mahamad Choubassi	Wollongong Radio Cabs
Fadi Alhindi	Wollongong Radio Cabs
Debra Nicholls	Wollongong City Council

Apology:

GENERAL BUSINESS

1. AUSTINMER

Beach Car Park – cars parking outside of bays

Background:

There have been reports from residents that during busier times, cars are parking along the entry road to the carpark. Although there are some existing parking restrictions it would be desirable to limit the number of signs and the car park already has all of the parking bays marked. The installation of a "park in bays only" sign at the entrance will allow this car park to be regulated more easily than at present.

Proposal:

Install:

- A 'Park in Bays Only' sign at the entrance to the Austinmer Beach Car Park.
- A pavement hatched area at the access point from the carpark to the footway

2. KEIRAVILLE

Robsons Road – Proposal for 'No Parking - Coaches Excepted' adjacent to new entrance to University at approximately 68 Robsons Road.

Background:

The University of Wollongong are currently completing a new residential building and have requested that an area of Robsons Road be set aside for 'No Parking - Coaches Excepted'. This section of Robsons Road currently permits unrestricted parking however there are no opportunities for drivers to drop off and pick up passengers at times of high parking demand. The new residential building is likely to be serviced by coaches from time to time and there is insufficient space on site. Council can therefore consider permitting the University of Wollongong to install a 15 m length of 'No Parking - Coaches Excepted' in Robsons Road adjacent to the new driveway.

Proposal:

The University of Wollongong be permitted to install 'No Parking - Coaches Excepted' for a length of 15m on the eastern side of Robsons Road immediately to the south of the new driveway at 68 Robsons Road.

Attachment 2

3. WEST WOLLONGONG

Fisher Street – replacement of a No Standing sign with No Stopping restrictions

Background:

During recent inspections it was noted that there is an old No Standing sign on the eastern side of Fisher Street adjacent to the Crown Street intersection. As these no longer have any legal significance, it is appropriate to have it replaced with No Stopping restrictions.

PROPOSAL SUPPORTED UNANIMOUSLY

Install a No Stopping sign to replace existing No Standing sign in Fisher Street (Eastern side) adjacent to Crown Street, together with a continuous yellow line to match the No Stopping restrictions.

4. WEST WOLLONGONG

Powell Street – replacement of a No Standing sign with No Stopping restrictions

Background:

During recent inspections it was noted that there is an old No Standing sign on the eastern side of Powell Street adjacent to the Crown Street intersection. As these no longer have any legal significance, it is appropriate to have it replaced with No Stopping restrictions.

PROPOSAL SUPPORTED UNANIMOUSLY

Install a No Stopping sign to replace existing No Standing sign in Powell Street adjacent to Crown Street, together with a continuous yellow line to match the No Stopping restrictions.

5. WOLLONGONG

Burelli Street - east bound approaching the pedestrian facility (kerb extension) at the Illawarra Performing Arts centre.

Background:

The separation lines on the east bound carriageway of Burelli Street between Kembla Street and Town Hall Place indicates that the kerbside lane is a traffic lane under the road rules. Unfortunately there have been reports of vehicles colliding with the kerb extension blister, with significant risks to pedestrians waiting to cross Burelli Street. In practice it is a parking lane and a bus zone for the full length between Kembla Street and Town Hall Place; accordingly it is proposed to install edgelines in Burelli Street.

PROPOSAL SUPPORTED UNANIMOUSLY

Install edgelines on the east bound carriageway of Burelli Street between Kembla Street and Town Hall Place, with the separation lines to remain between Town Hall Place and Corrimal Street.

Attachment 3

6. WOLLONGONG

Burelli Street - east bound approaching the pedestrian facility (kerb extension) at Globe Way

Background:

The separation line on the east bound carriageway of Burelli Street between Keira Street and Globe Way indicates that the kerbside lane is a traffic lane under the road rules. Unfortunately there have been reports of vehicle colliding with the kerb extension blister, with significant risks to pedestrians waiting to cross Burelli Street. In practice it is a parking lane and a bus zone between Keira Street and Globe Way; accordingly it is proposed to install edgelines in Burelli Street.

PROPOSAL SUPPORTED UNANIMOUSLY

Install edgelines on the east bound carriageway in Burelli Street between Keira Street and Globe Way.

Attachment 4

7. WOLLONGONG

Stewart Street – east bound approaching the pedestrian facility (kerb extension) at the rear of the Wollongong City Council Administration Building

Background:

The east bound carriageway of Stewart Street between Kembla Street and the pedestrian facility (kerb extension) at the rear of the Wollongong City Council Administration Building has no lane lines or edgelines. It can be regarded by drivers as a traffic lane and unfortunately there are reports of vehicles colliding with the kerb extension blister at significant risk to pedestrians waiting to cross Stewart Street. Therefore edgelines are proposed on the east bound carriageway between the pedestrian facility and Kembla Street.

PROPOSAL SUPPORTED UNANIMOUSLY

Install edgelines on the east bound carriageway of Stewart Street between the pedestrian facility (rear of Council's Administration Building) and Kembla Street.

Attachment 5

8. WOLLONGONG

Various streets in Wollongong CBD – late night restrictions adjacent to taxi zones

Background:

Wollongong Radio Cabs have approached Council to provide a number of changes to parking restrictions adjacent to taxi zones to allow taxis to feed into the taxi zones during peak periods late at night. The entertainment centres in Wollongong generate the bulk of the demand for taxi services within the city during the period between 10pm and 6am. The existing taxi zones are not sufficient to accommodate the large number of taxis and the proposed changes will allow taxis to wait a short distance from the taxi zones in order to provide a reasonably continuous service to the public.

As Flinders and Corrimal Streets are NSW State Roads a proposal to change parking restrictions to suit late night taxi operations are not supported. In the case of the Corrimal Street Taxi Zone Council can consider changes in Crown Street to facilitate taxi services for a future committee meeting. The RMS representative advised that the intersection of Station and Flinders Streets is to have traffic signals provided and accordingly a late night taxi zone in Station Street can be considered once the signals have been installed.

In the interests of improving taxi services in the vicinity of the intersection of Keira and Crown Streets it was agreed that 'No Stopping Taxi's Excepted' will be appropriate for a 20m length of kerbside in Crown Lane on the approach to Crown Street.

Proposal:

Late night parking restrictions are to facilitate taxi services be approved as follows:

- a) 'No Parking - Taxis Excepted - 10pm to 6am' to be installed in Findlay Place on northern side of the street.
- b) The existing taxi zone on the northern side of Market Street be extended for a distance of 45m from Keira Lane to the west and timed 10pm to 6am.
- c) 'No Stopping – Taxis Excepted – 2 Minute Limit' restrictions be installed on the northern side of Crown Lane from the intersection with Crown Street for a distance of 20m to the west.

Attachment 6

9. MOUNT KEMBLA

Kirkwood Place – Review No Stopping Restrictions

Background:

In 2013 a new subdivision in Kirkwood Place was approved which proposed extending No Stopping restrictions to the opposite side of the street and to a short access way south of Kirkwood Place. The developer installed these restrictions late in 2014 and several residents have now questioned the need for the extended restrictions.

PROPOSAL SUPPORTED UNANIMOUSLY

No Stopping restrictions be maintained on the northern side of Kirkwood Place and around the cul-de-sac however the No Stopping restrictions on the southern side and in the access way off Kirkwood Place be removed.

10. BERKELEY

Semaphore Road between Berkeley Road and Cribb Street – install City Stud reflectors on centre-line

Background:

Semaphore Road has a tight curve between Cribb Street and Berkeley Road where improved delineation and curve warning signs have previously been approved. Unfortunately there are still off road single vehicle crashes occurring at this location and in response to resident's concerns it is proposed to replace the reflectors on the centre-line between Berkeley Road and Cribb Street with the larger City Studs.

It is recognised that there may be noise issues in the use of the larger City Studs, but under the circumstances they are considered necessary to reduce the incidence of off road crashes and the risks to residents.

PROPOSAL SUPPORTED UNANIMOUSLY

Install City Studs on the centre-line in Semaphore Road between Berkeley Road and Cribb Street.

11. KEMBLA GRANGE

Reddalls Road and West Dapto Road – Improvements to Line Marking

Background:

The double barrier lines on Reddalls Road at the three curves north of the intersection with West Dapto Road are fading quickly after being repainted as a result of the heavy vehicles using Reddalls Road. It is proposed to install City Studs on the centre lines to keep heavy vehicles to the correct side of the road, and to preserve the centre-line.

The area has no homes or buildings in the vicinity and therefore the noise associated with such a treatment should not affect any of the neighbouring properties. It is recognised that the industrial traffic using Reddalls Road may dislodge the new City Studs over time, and that Council may need to consider reconstruction of the road pavement at each curve to ensure the larger vehicles have adequate road space without crossing the centre-line.

PROPOSAL SUPPORTED UNANIMOUSLY

City Studs to be installed along the centre line at the three curves in Reddalls Road located to the north of West Dapto Road.

Attachment 7

REGULATION OF TRAFFIC

12. PORT KEMBLA

Military Road between Church and Allan Streets – Water Slide Event from 12am on Saturday 21 March 2015 to 2pm Sunday 22 March 2015.

Background:

The event organisers, City Slide, have proposed that an inflatable water slide be assembled on the section of Military Road between Church Street and Allan Street Port Kembla for the purposes of public entertainment. This involves a road closure of Military Road between 6am and 10pm to allow the slide to be assembled and removed at the end of the event.

The adjoining streets of Electrolytic, Fitzwilliam and Allan Streets will also need to be closed at Military Lane. The proposed road closure does not affect the bus route via Church Street and Military Road to the south and traffic can readily be diverted around the area via Church Street, Wentworth Street and Darcy Road.

The traffic management plans were tabled at the meeting.

Proposal:

The closure of Military Road between Church Street and Darcy Road be approved subject to Councils Standard Conditions for Road Closures and that Police vehicles be permitted to access the driveway in Military Road leading to the rear of the Police Station and Court House.

Attachment 8

13. PORT KEMBLA

Gloucester Boulevard – Extension to Road Closure Times – Illawarra Triathlon Club (Z14/459636)

Background:

Council has previously approved the 2015 series of triathlon races on Gloucester Boulevard for the Illawarra Triathlon Club. As a result of hosting the Police Games Triathlon in March 2015 the times for the road closure will need to be extended from 8am to 9am as originally approved, to 7.45am to 10.30am on Sunday 15 March 2015. The club has also asked for a small extension to the closure times on Sunday 12 April 2015 to become 8am to 9.30am.

PROPOSAL SUPPORTED UNANIMOUSLY

The road closures previously approved for the Illawarra Triathlon club will be extended to

- 7.45am – 10.30am on Sunday 15 March 2015
- 8.00am – 9.30am on Sunday 12 April 2015

14. WOLLONGONG

Tri the Gong Triathlon – 7 & 8 March 2015

Background:

The event company Elite Energy has proposed to run a series of triathlon events on Saturday and Sunday 7 & 8 March 2015.

The format is the same as for 2014 where the closures on Saturday 7 March are proposed in Cliff Road between Endeavour Drive and Harbour Street, Endeavour Drive, Marine Drive and Crown Street between Harbour Street and Marine Drive.

The events on Saturday are held between Wollongong Harbour and the southern end of Marine Drive. In order to facilitate normal trading in the area, the organisers will provide traffic control on the roadway to and from Wollongong Harbour to permit two-way traffic. On the Saturday the organisers of the event have negotiated with the bus operators and Transport NSW to provide alternative bus terminus areas in Harbour Street and in Crown Street immediately west of Harbour Street, as there will be no access to the Marine Drive bus terminus. **The Saturday street closures will operate**

from 6am to 3pm.

On Sunday 8 March the triathlon events will be held between Wollongong Harbour and the turning point on Towradgi Road a few metres short of Rothery Street Bellambi. For the main event the road closures will involve Cliff Road from Marine Drive to Bourke Street, the eastern end of Bourke Street between Cliff Road and Kembla Street, Kembla Street, George Hanley Drive, Squires Way, Carters Lane and Pioneer Road to Bellambi (Rothery Street). **This closure will be from 6am to 11am.**

The smaller triathlon events will run from mid-morning Sunday 8 March and the road closures will be in place from Cliff Road from Marine Drive to Bourke Street, the eastern end of Bourke Street between Cliff Road and Kembla Street, Kembla Street, George Hanley Drive and Squires Way (a few metres south of Elliott's Road). **The shorter triathlon course will involve road closures from 6am to 3pm.**

Bus services for the Sunday events will generally not be affected however the Gong Shuttle and Route 8 services will need to be diverted. During the Saturday events the Gong Shuttle will be diverted via Corrimal Street and as noted above the route services will terminate in Harbour and Crown Streets rather than Marine Drive.

The organisers for this event have made preliminary approaches to the bus companies, Transport for NSW, NSW RMS and NSW Police to obtain the necessary approvals from these organisations.

PROPOSAL SUPPORTED UNANIMOUSLY

The proposed road closures be approved in accordance with the submitted traffic management plans and subject to:

- a) Permission from NSW Police
- b) Approval from Transport NSW for changes to bus routes
- c) ROL for the traffic signalised intersections from NSW Roads & Maritime Services
- d) Council's standard conditions for road closures, including comprehensive advice to the community.

Attachment 9

15. WOLLONGONG

The Colour Run - Sunday 24 May 2015 – 5am to 1pm

Background:

The Colour Run was held in 2014 over the same course as is proposed for May 2015 and the traffic management plans are the same as previously. The event involves the closure of Marine Drive, Endeavour Drive, Cliff Road, Bourke Street, George Hanley Drive (south bound section) and Kembla Street north of Bourke Street. The closures are proposed for 5am to 1pm however Marine Drive and part of Endeavour Drive will be re-opened after 10am.

The event involves runners passing through a number of colour stations where a vegetable starch colour will be thrown onto the course and participants will finish in Stuart Park. The 1pm re-opening time for the roads takes into account the time required for the colours to be cleared from the public roadways.

The organisers have arranged for the Gong Shuttle to be permitted on George Hanley Drive and Kembla Street during the event however the Gong Shuttle will then divert via Corrimal Street. Access to the bus terminus will be maintained on Marine Drive throughout the event.

PROPOSAL SUPPORTED UNANIMOUSLY

The proposed road closures be approved in accordance with the submitted traffic management plans and subject to:

PROPOSAL SUPPORTED UNANIMOUSLY

The proposed road closures be approved in accordance with the submitted traffic management plans and subject to:

- a) Approval from Transport NSW for changes to bus routes
- b) ROL for the traffic signalised intersections from NSW Roads & Maritime Services
- c) Councils standard conditions for road closures

Attachment 10

16. WOLLONGONG

New Dapto Road – Closure of northbound carriageway for four weekends 28 February/1 March to 28/29 March 2015

Background:

Subsequent to the meeting Council received Traffic Management Plans for the closure of the northbound carriageway of New Dapto Road for weekend work between Crown Street and Loftus Street. The work to be carried out involves the construction of a pedestrian bridge along the western side of New Dapto Road to connect the existing parking station for Wollongong Hospital to the new parking station. The road closure will take effect from 7am to 6pm on Saturdays and Sundays in the period 28 February to 29 March 2015 inclusive.

Details of the proposal were circulated to committee members and no objections were received. The clockwise Gong Shuttle service will need to be diverted via Darling and Loftus Streets during the closures

Proposal:

The road closure of New Dapto Road be approved in accordance with the submitted traffic management plans and Councils standard conditions for road closures.

Attachment 11

17. KEMBLA GRANGE

Kembla Joggers Winter Road Race Series 2015

Background:

Kembla Joggers have previously conducted a race series at Kembla Grange and at Mount Kembla successfully and in 2015 there are events proposed on Sunday:

- 6 June (Kembla Grange)..... the regulation of traffic will occur from 1.30pm to 4pm
- 4 July (Kembla Grange)..... the regulation of traffic will occur from 2.30pm to 4.30pm
- 18 July (Mount Kembla)..... the regulation of traffic will occur from 2.30pm to 4.30pm
- 15 August (Kembla Grange).....the regulation of traffic will occur from 2.30pm to 4.30pm

There are no road closures involved however participants in these events use roads with temporary 40kph speed limits and warning signage to advise drivers to expect runners on the road ahead. The roads involving the regulation of traffic on 6 June, 4 July and 15 August are Darkes, West Dapto, Sheaffes and Paynes Roads. Authorised traffic controllers are used at the entry point to Integral Energy Park (start and finish), and at the points where runners begin the return leg of the race.

The event on 18 July is held at Mount Kembla and involves the regulation of traffic on Harry Graham Drive and Cordeaux Road south west of Harry Graham Drive.

PROPOSAL SUPPORTED UNANIMOUSLY

The proposed regulation of traffic for the Kembla Joggers Winter Race Series 2015 be approved:

- In accordance with the submitted traffic management plans
- Subject to the Councils standard conditions for road closures
- Subject to approval from the NSW Police

Attachment 12

DESIGN MATTERS

18. WOLLONGONG

Refuge Pedestrian Facility in Keira Street between Swan Street and Tait Street

Background:

Council's plans for the refuge pedestrian facility in Keira Street were previously endorsed by Traffic Committee however the design has been adjusted and the original endorsement needs to be confirmed in light of the changes.

PROPOSAL SUPPORTED UNANIMOUSLY

Council plans 5161 - C02 - 2 be approved subject to the addition of a Merge Right sign on the south bound carriageway (G9 – 73).

Attachment 13

19. WOLLONGONG

Globe Lane provision of parking bays

Background:

Council has prepared Plan No: 5091 SK2 to define parking spaces in the covered section of Globe Lane between Church Street and the western boundary of the David Jones property.

PROPOSAL SUPPORTED UNANIMOUSLY

Councils Plan No: 5091 - SK2 - B be approved.

Attachment 14

20. BERKELEY

Winnima Way – Berkeley Community Hall New Car Park

Background:

Plan numbered 4895 has been prepared for construction of new car park at the Berkeley Community Hall and Senior Citizens Centre. The design provides new off street parking for 20 cars, including 4 designated Accessible Parking spaces. With the new entrance being constructed a new 'No Stopping' area is also being installed for added sight distance. Submitted for endorsement by Traffic Committee.

PROPOSAL SUPPORTED UNANIMOUSLY

Submitted Plan 4895 be approved.

Attachment 15

21. DAPTO

Bong Bong Road and Glenlee Drive roundabout

Background:

The design of a roundabout at the Bong Bong Road and Glenlee drive intersection is a condition of approval for the Brooks reach subdivision on the south western end of Bong Bong Road and the plans were originally endorsed by Council. Following public consultation and a review of the plans there have been a number of adjustments and the original endorsement needs to be confirmed.

Proposal:

Developers plan No: FR110079-001 C2009 be approved subject to the relocation of the Give Way signs to the left of each of the hold lines.

Attachment 16

22. DAPTO

Parkdale Avenue and Bong Bong Road Horsley – Pedestrian Facility

Background:

Council has prepared plans for the construction of a new pedestrian facility on Bong Bong Rd Horsley in the vicinity of Parkdale Avenue.

This involves the construction of a central refuge and reconstruction of the kerb extensions.

Proposal:

Council Plan 5465 - SK - 01 be approved.

Attachment 17

Attachment 1

STANDARD CONDITIONS APPLYING TO SPECIAL EVENTS AND WORK-RELATED ACTIVITIES WITHIN COUNCIL ROAD RESERVES

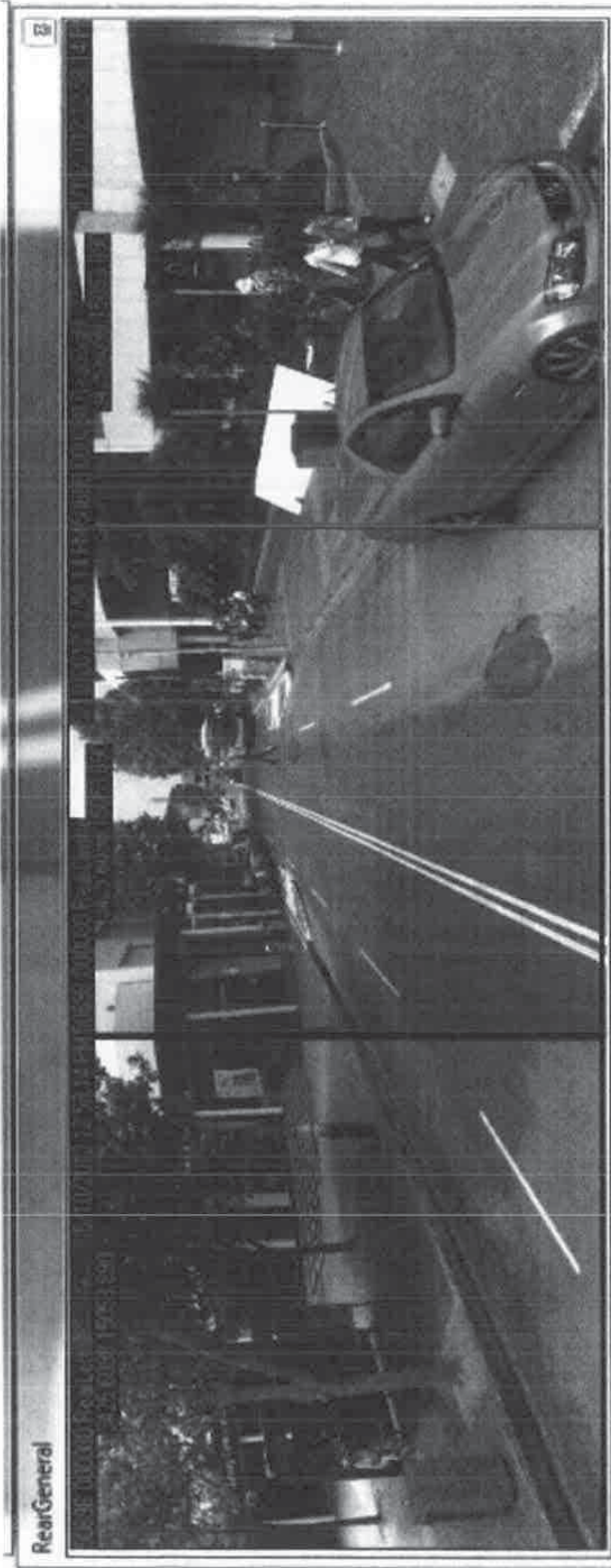
A road closure, following approval by the Traffic Committee, is subject to the following additional Council conditions:

1. The applicant must apply to for a section 138 permit to occupy the road reserve. The application must include: A copy of these conditions signed as accepted
 - a. A copy of a letter from the Traffic Committee authorising the closure
 - b. The TMP
 - c. The ROL (if required)
 - d. Police approval
 - e. Public liability insurance
2. The applicant must obtain written approval from the NSW Police Service.
3. The applicant must obtain an ROL (Road Occupancy Licence) from the Roads & Maritime Services if the closure is on a classified road or within 100m of any traffic control signals.
4. The applicant must advise all affected residents and business owners within the closure area of the closure dates and time in writing, seven days prior to the intended date of works.
5. The applicant must advise the Emergency Services (Ambulance, Fire Brigade and NSW Police), Taxi Co-op and Bus Companies of the closure dates and times in writing, seven days prior to the intended date of works. The applicant must endeavour to minimise the impact on bus services during the closure.
6. The closure must be set up in accordance with a Traffic Management Plan (TMP) prepared by an appropriately qualified traffic control person. A copy of the person's qualifications must be detailed within the TMP.
7. The TMP must be physically set-up by appropriately qualified traffic control persons or the NSW Police.
8. Access for affected business owners and residents must be maintained where possible. Where direct access cannot be achieved an alternative arrangement must be agreed to by both the applicant and affected person/s.
9. The applicant must advertise the closure in the Public Notice section of the local newspaper, detailing the closure dates and times. This advertisement must appear no less than seven days prior to the closure.
10. The applicant must provide Council with a copy of a current public liability insurance policy to a value no less than 10 million dollars which covers Wollongong City Council against any claims arising from the closure

Attachment 2

PROPOSAL FOR NO PARKING COACHES EXCEPTED ADJACENT TO NEW ENTRANCE TO
UNIVERSITY
ROBSONS ROAD KEIRAVILLE

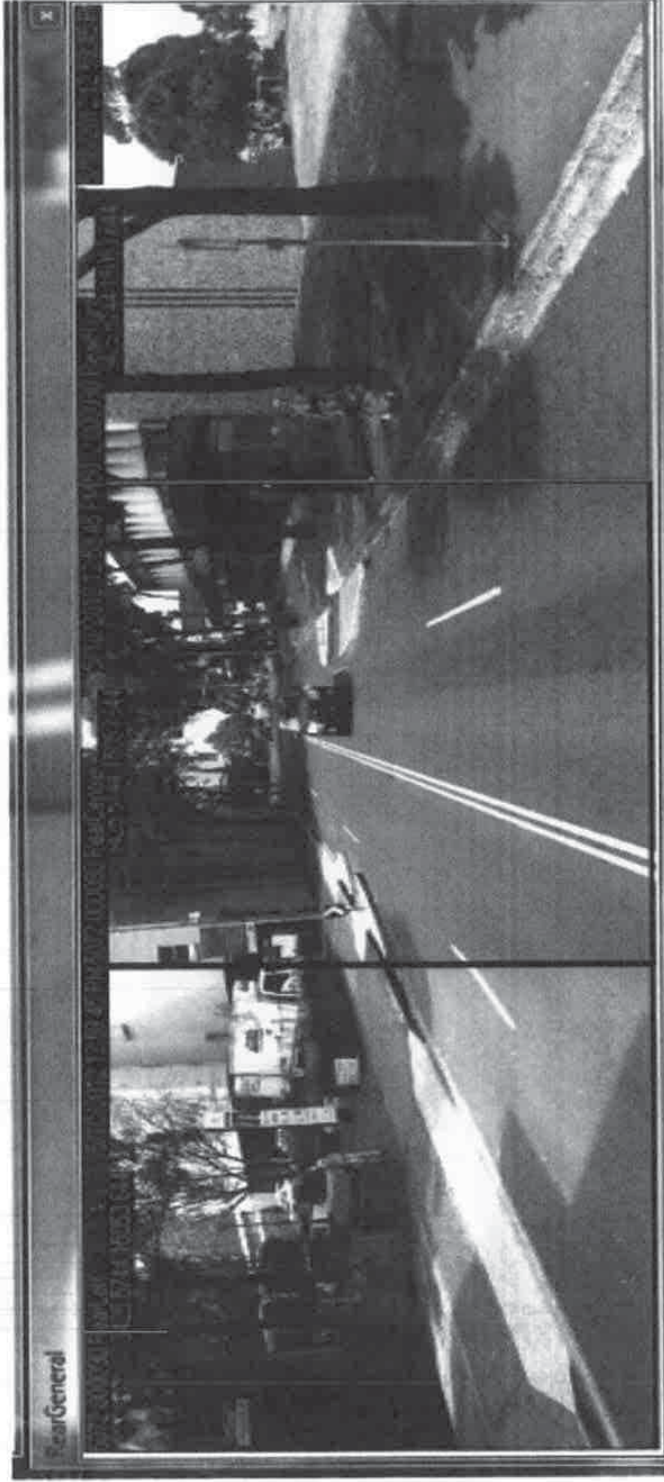




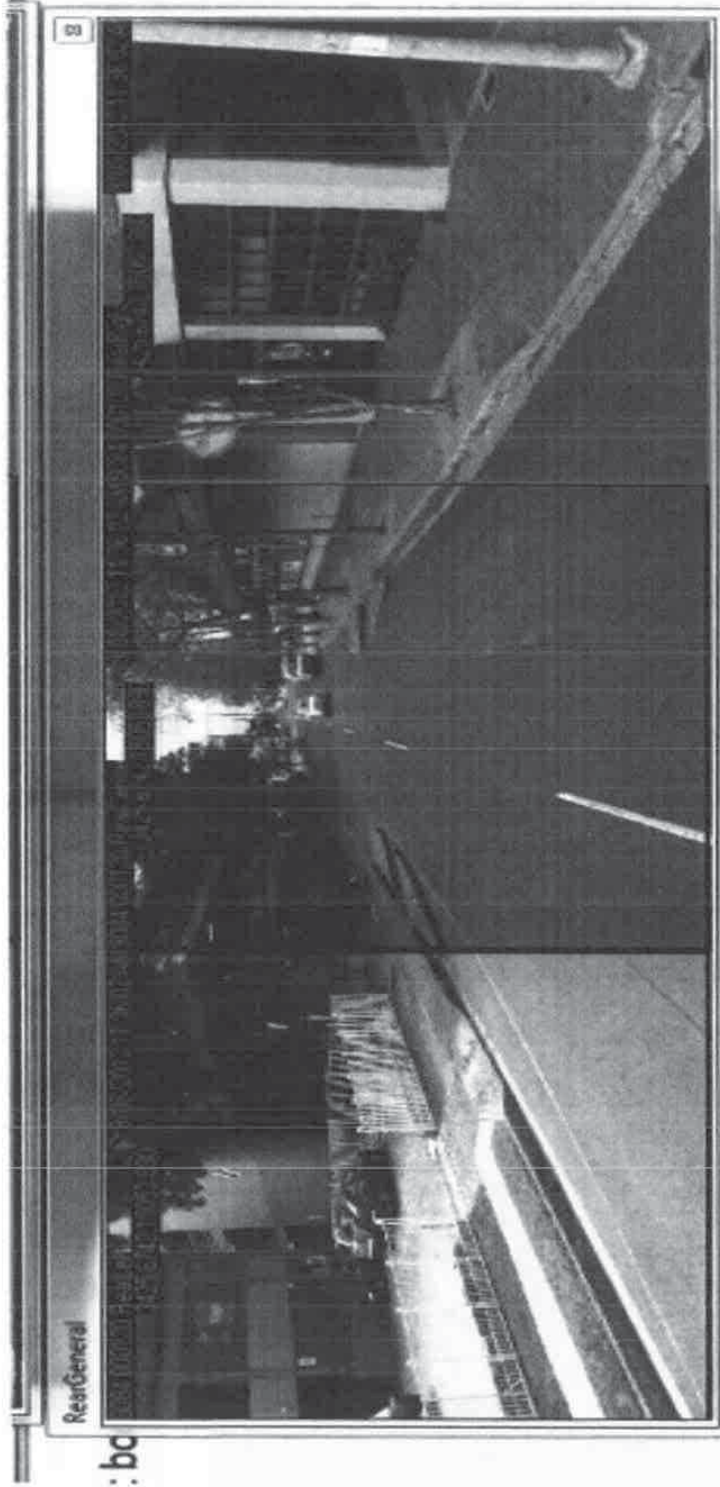
Attachment 3

Burrelli Street east bound approaching the pedestrian facility (kerb extension) at the IPAC. The separation lines on both carriageways indicates that the kerbside lane is a traffic lane under the road rules. In practice it is a parking lane and a bus zone for the full length between Kembla and Town Hall Place; accordingly it is proposed to install edgelines on both sides of Burrelli Street in this section. The separation lines should remain between Town Hall Place and Corrimal Street.

Attachment 4



Burrelli Street east bound approaching the pedestrian facility (kerb extension) at Globe Lane. The separation line on the east bound carriageway indicates that the kerbside lane is a traffic lane under the road rules. In practice it is a parking lane and a bus zone between Keira Street and Globe Lane; accordingly it is proposed to install edgelines east bound in Burrelli Street in this section.

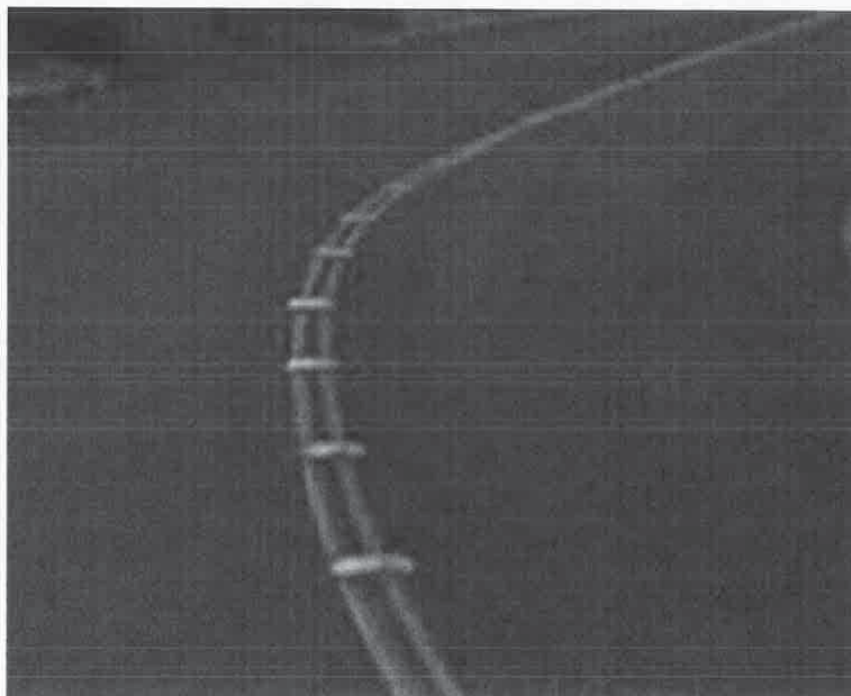


Stewart Street east bound approaching the pedestrian facility (kerb extension) at the rear of the WCC Admin. Building. The lack of separation lines indicates that if there is enough space two lanes of traffic could work, but for the kerb extension. Edgelines are proposed on the east bound carriageway between the pedestrian facility and Kembia Street.

Attachment 6 - Map of Taxi Zones

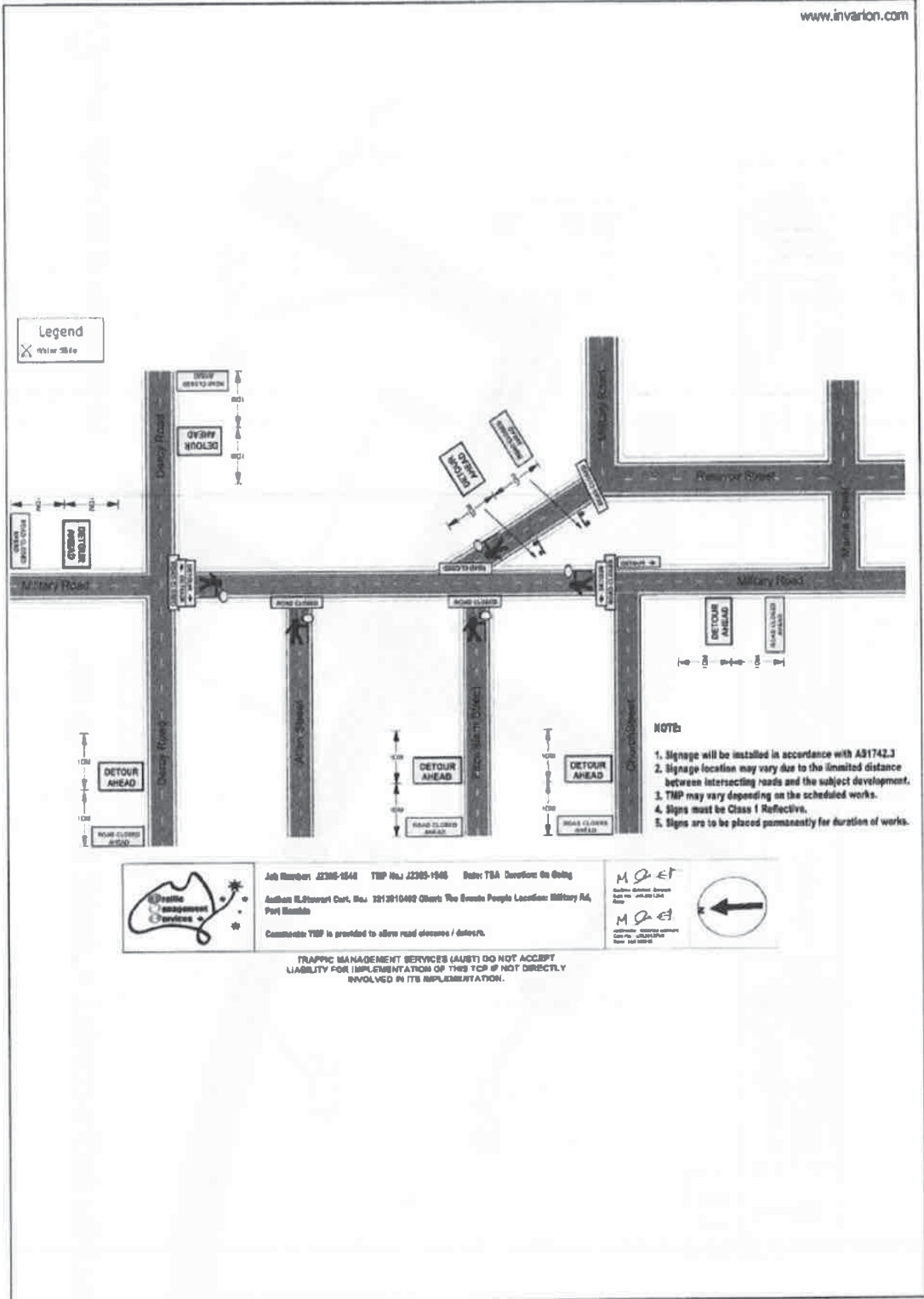


Attachment 7 - Reddalls Road Kembla Grange



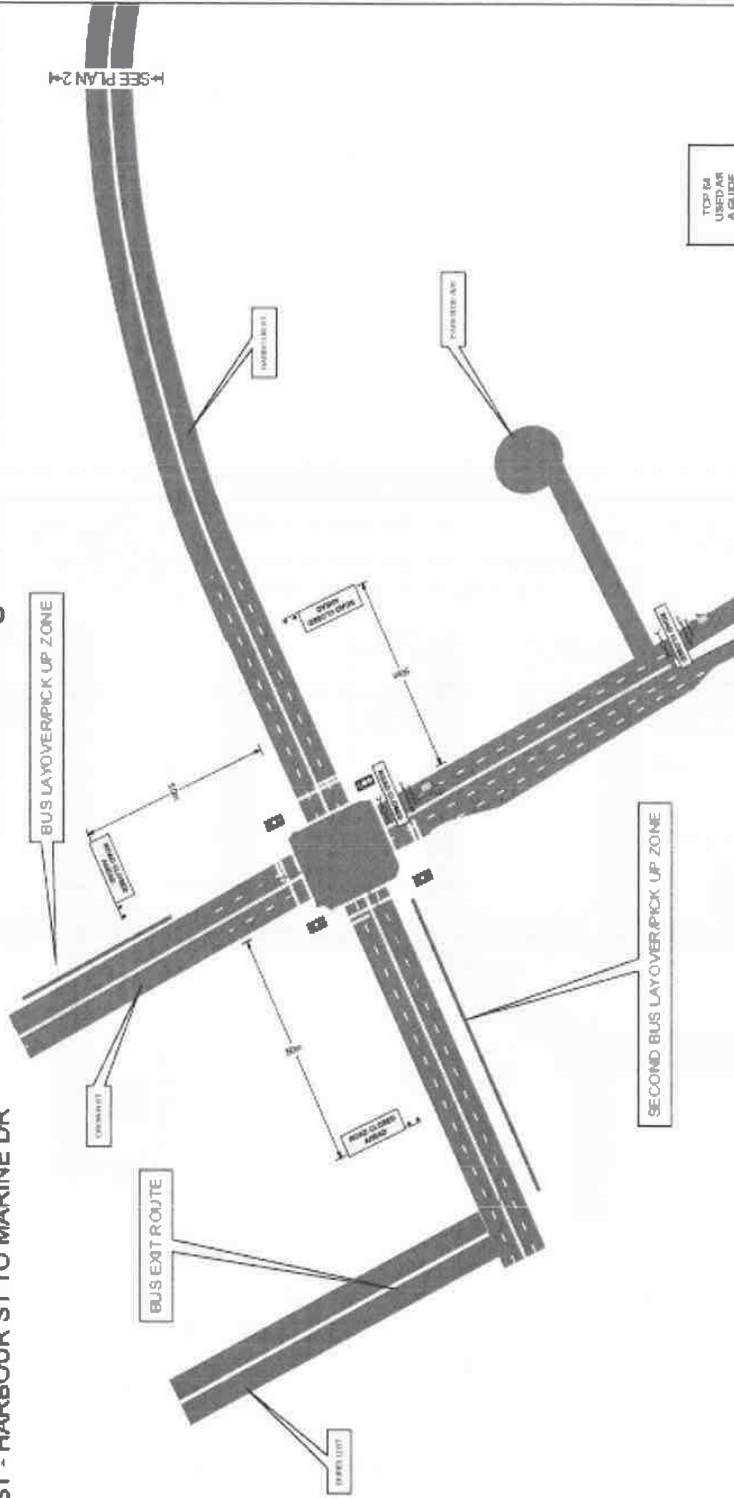
Attachment 8 – Water Slide Event – Port Kembla

www.invarion.com



PLAN 1
CROWN ST - HARBOUR ST TO MARINE DR

"Tri The Gong 2015" - TRIATHLON FESTIVAL

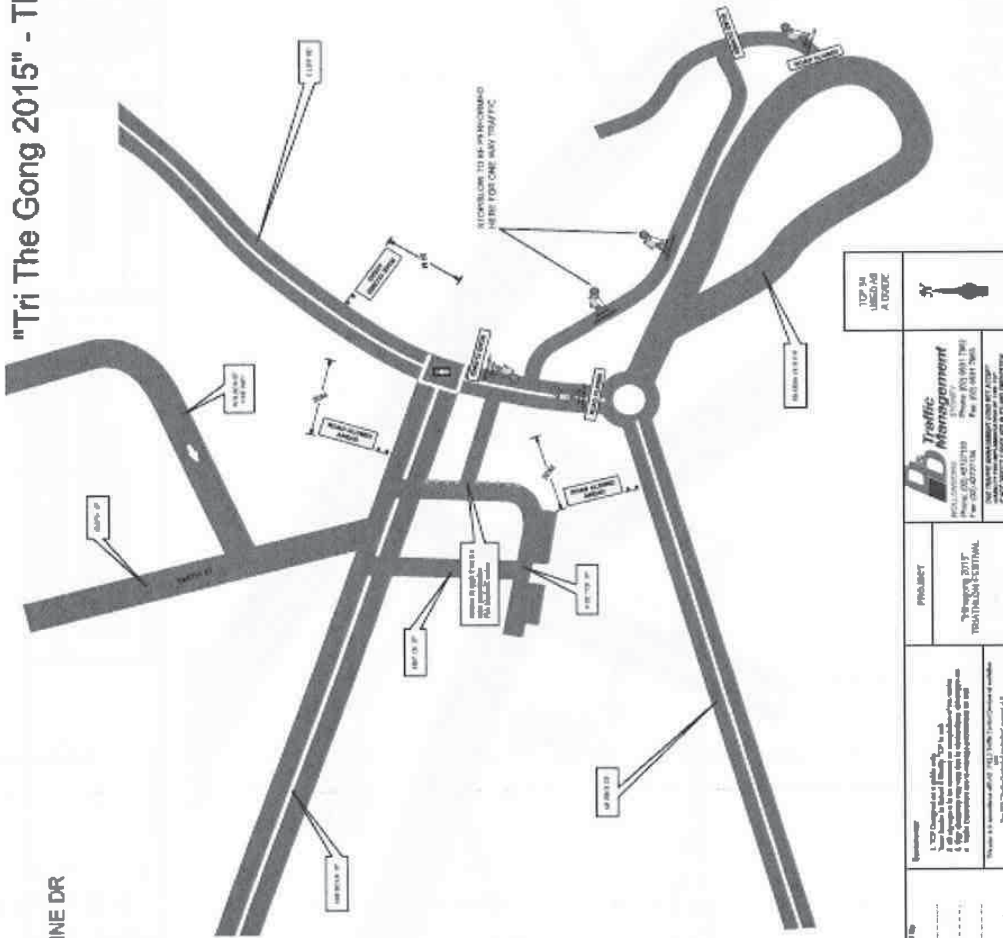


SEE PLAN 2

 PLAN NOT TO SCALE 7023-12750.1 TRIP INC.	Author: P. DE LORVILLE Approved By: Adam Smith Contract Reference:	Prepared by:	Comments: 1. All changes to be made in red. 2. All changes to be made in accordance with the notes. 3. All changes to be made in accordance with the notes. 4. Traffic Control signs to be placed in accordance with the notes. This plan is a document used for traffic control purposes in accordance with the Traffic Management Act 2002.	PROJECT "Tri The Gong 2015" TRIATHLON FESTIVAL	 Traffic Management Solutions 10/11/12/13/14/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000/1001/1002/1003/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/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"Tri The Gong 2015" - TRIATHLON FESTIVAL

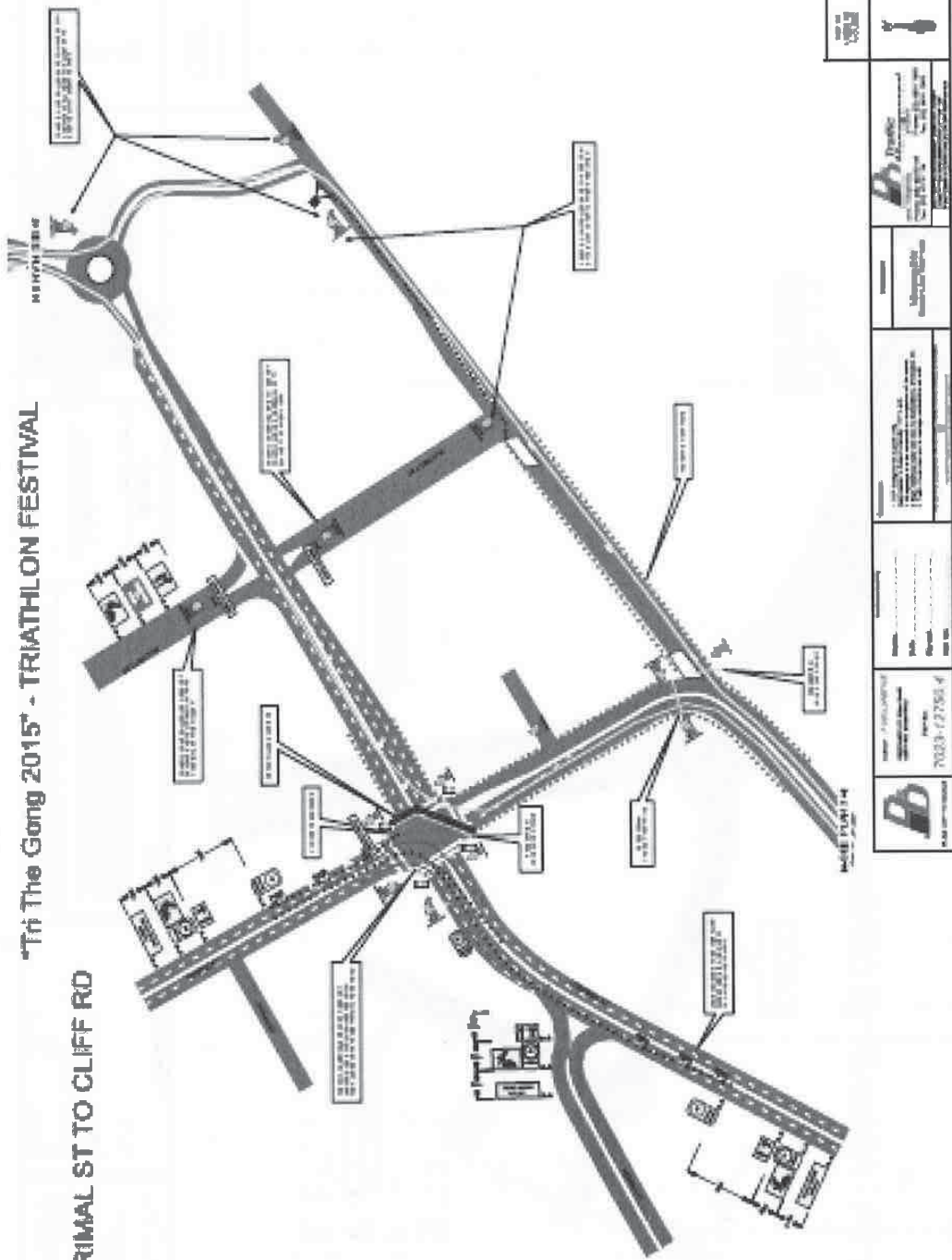
PLAN 2 (SATURDAY)
CLIFF RD - HARBOUR ST TO MARINE DR



	<p>Traffic Management 7023-17780-25A 7023-17780-25A 7023-17780-25A</p>	<p>PRODUCT "Tri The Gong 2015" TRIATHLON FESTIVAL</p>	<p>DESCRIPTION 1. This document is a Traffic Management Plan for the "Tri The Gong 2015" Triathlon Festival. 2. It details the proposed traffic management measures to be implemented on the day of the event. 3. It is intended to be used in conjunction with the Traffic Management Act 2004 and the Traffic Management Regulations 2004.</p>	<p>APPROVED BY Name: Title: Date:</p>	<p>Author - PROJECT/COMPANY Name: Phone: 7023-17780-25A Fax: 7023-17780-25A</p>
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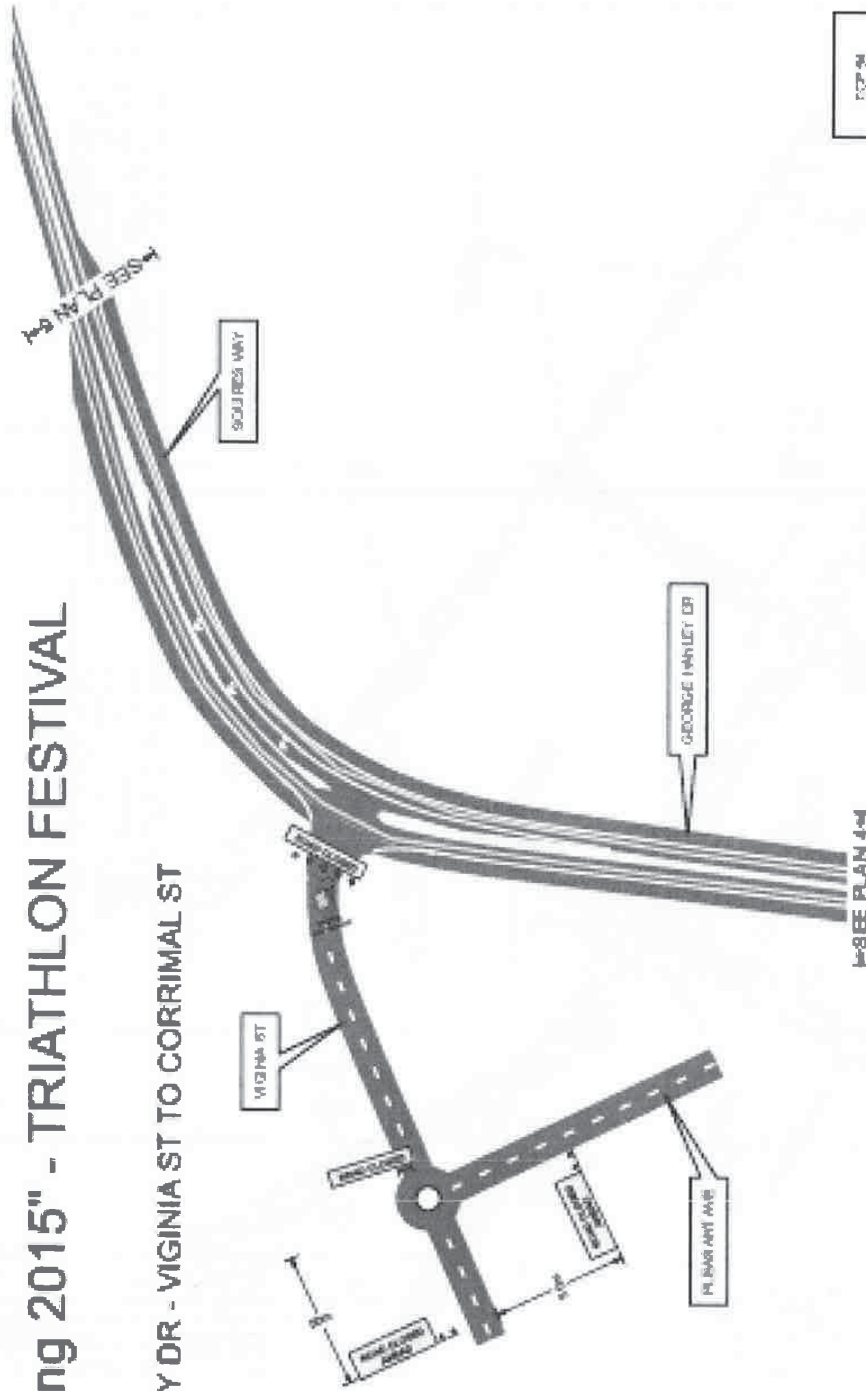
"Tri The Gong 2015" - TRIATHLON FESTIVAL


**PLAN 4
BOURKE ST - CORRIMAL ST TO CLIFF RD**



"Tri The Gong 2015" - TRIATHLON FESTIVAL

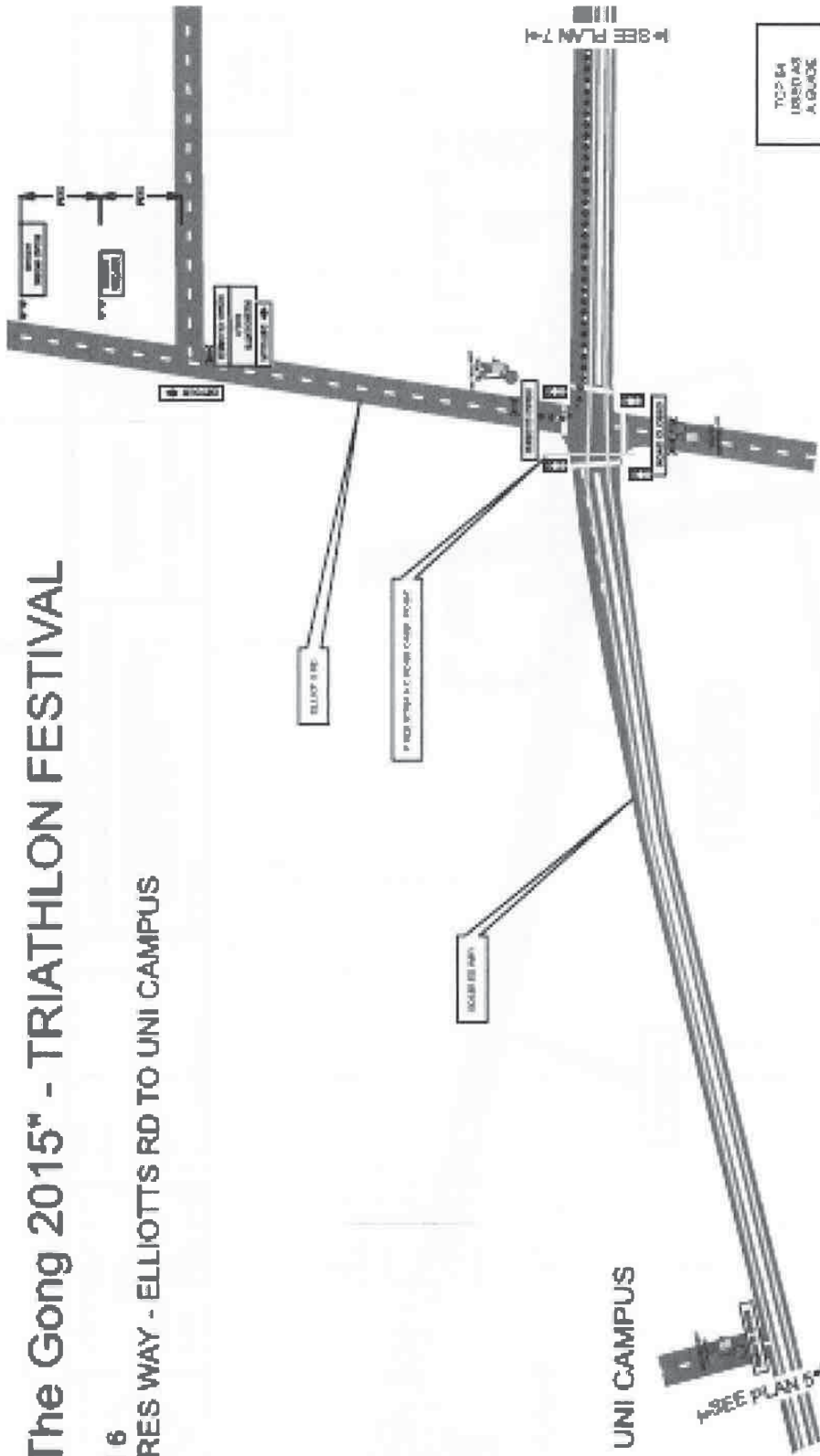
PLAN 5
 GEORGE HANLEY DR - VIGNIA ST TO CORRIMAL ST



 <p>PLANNED TO SCALE 7023-12750.5 TRIP No 7023-12750.5 PREPARED BY: [Name] CLIENT: [Name]</p>	<p>Author: [Name] Date: [Date] Status: [Status]</p>	<p>Implemented By Name: [Name] Date: [Date] Signed: [Signature] Card No: [Card No.]</p>	<p>Comments: 1. NOT Designed as a public work. 2. Not liable for errors & omissions. 3. All approvals to be received in compliance with the rules. 4. Any additional work may also be submitted, reviewed and approved. 5. Traffic Management Solutions, Inc. is not responsible for any changes or conditions. 6. No plan is to be implemented without the approval of the relevant authority. 7. For any "High-Speed" or "High-Speed" related work.</p>	<p>PROJECT "Triathlon 2015" TRIAL/DRAWING NO. [Number]</p>	<p>TRAFFIC MANAGEMENT SOLUTIONS, INC. 3700 W. 10TH AVENUE DENVER, CO 80202 PHONE: 303.750.7000 FAX: 303.750.7001 WWW.TMSOLUTIONS.COM</p>	<p>TOP 94 L&E 000 A-001 DC</p>
	<p>TRAFFIC MANAGEMENT SOLUTIONS, INC. 3700 W. 10TH AVENUE DENVER, CO 80202 PHONE: 303.750.7000 FAX: 303.750.7001 WWW.TMSOLUTIONS.COM</p>					

"Tri The Gong 2015" - TRIATHLON FESTIVAL

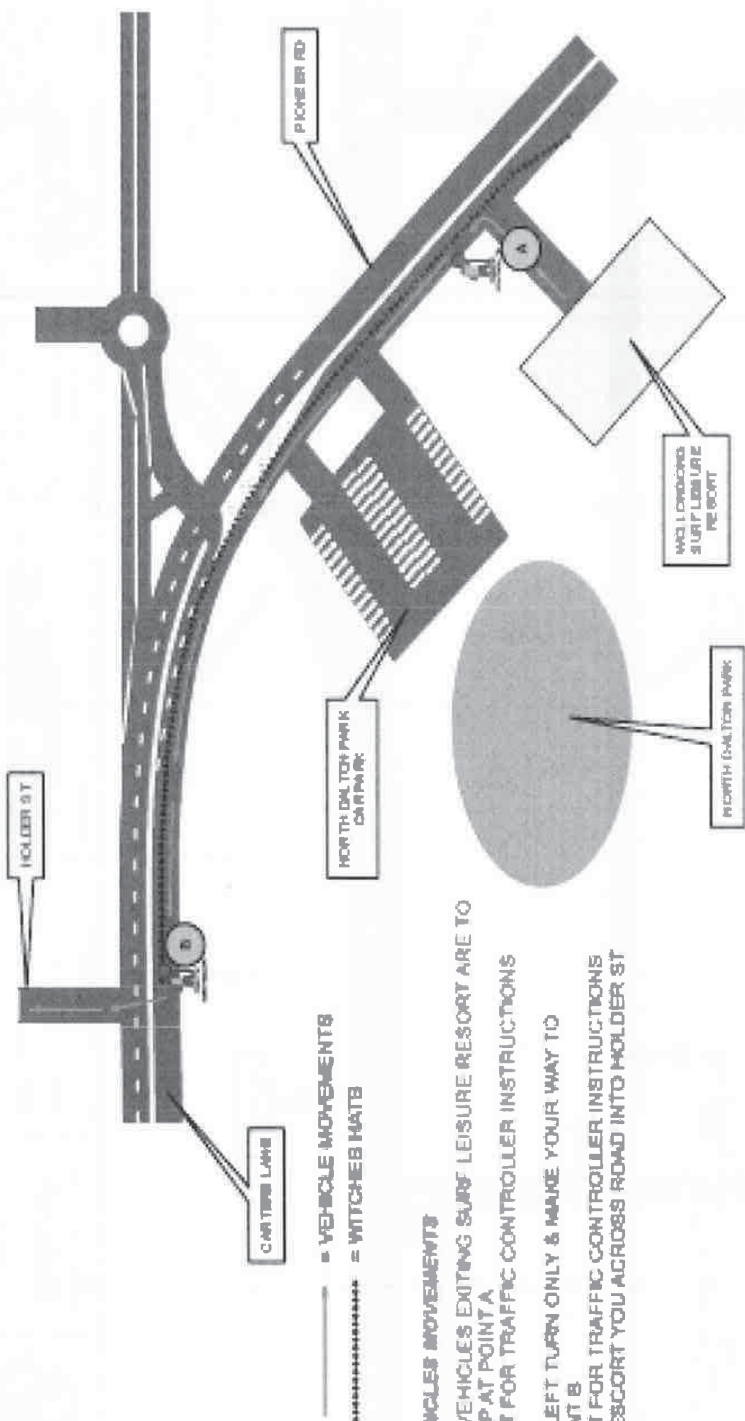
PLAN 6 SQUIRES WAY - ELLIOTTS RD TO UNI CAMPUS



 PLANNING TO BEAR	Author: P. DELUCENEGRE Project Manager: P. DELUCENEGRE Traffic Manager: P. DELUCENEGRE Date: 2015-01-27 Time: 10:00 AM 7023-12750.6	Prepared by: Name: _____ Date: _____ Signature: _____ Client No: _____	Comments: 1. TCM designed to be a temporary traffic management system for the duration of the event. 2. All signage is to be managed by completion of the works. 3. All signage may vary due to site conditions, site layout, etc. 4. Traffic Controller may be required to manage pedestrian flow. 5. Traffic Controller may be required to manage pedestrian flow.	PROJECT "Tri The Gong 2015" TRIATHLON FESTIVAL	 Traffic Management WELLSINGTON Phone: 001-601-7962 Fax: 001-601-7963 Email: 001-601-7963 Web: www.trafficmanagement.co.nz P.O. Box 100, Wellington, New Zealand	TOP 10 LISTED AS A GUIDE 
	The RTM Traffic Control & Management System Ltd. The RTM Traffic Control & Management System Ltd.					

**PLAN 7A
PIONEER RD - RESORT EXIT**

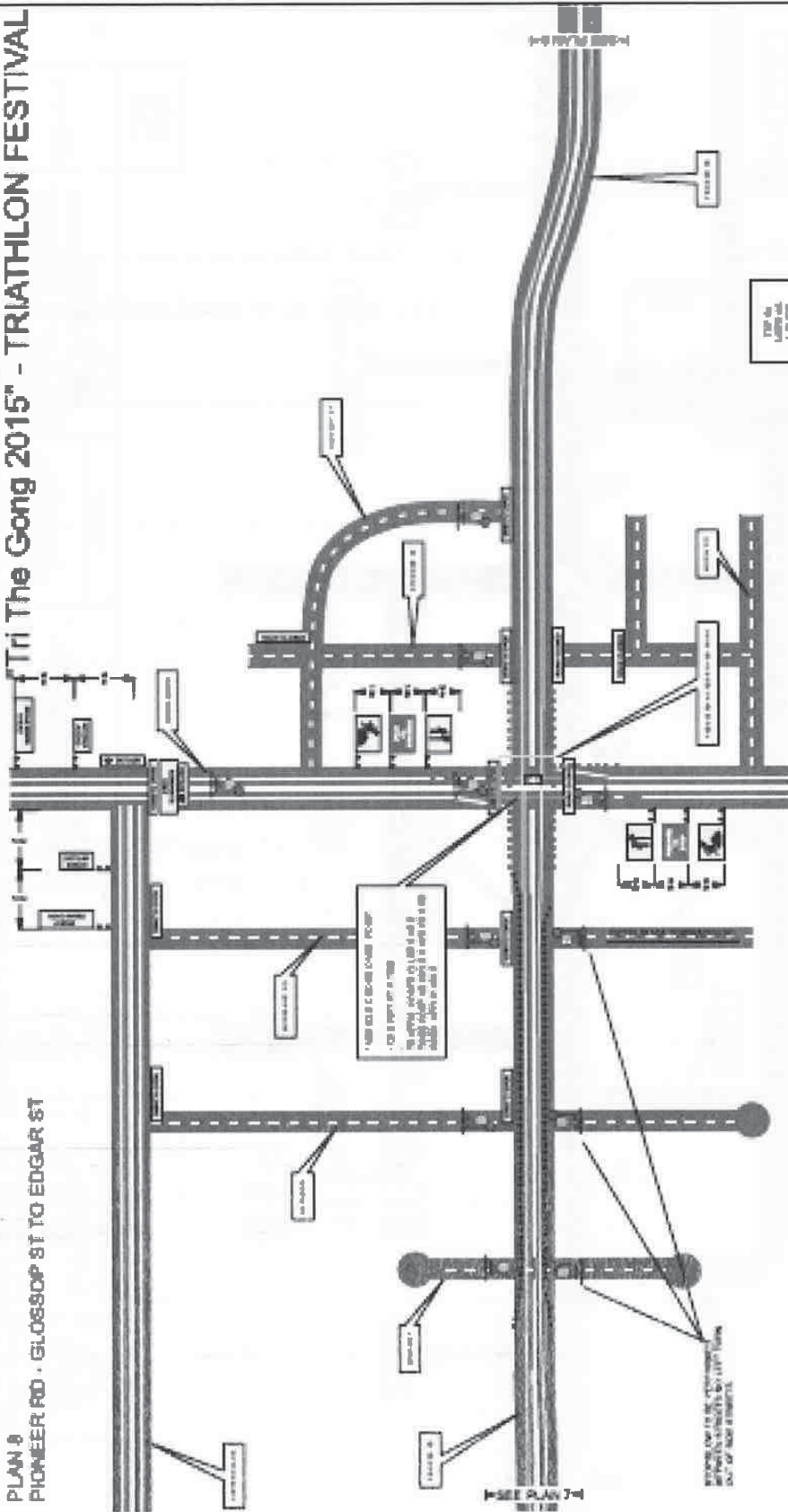
"Tri The Gong 2015" - TRIATHLON FESTIVAL



 TRAFFIC MANAGEMENT SYSTEMS 7023-12750.7A PHONE NOT TO BE CALLED	Submitted by: Name: Date: Report: Draft No:	Comments: • TOP Contractor to be appointed by 15th Nov 2014. • All signage to be replaced by 15th Nov 2014. • Public Consultation to be completed by 15th Nov 2014. • Public Consultation to be completed by 15th Nov 2014. This plan is a submission to the 2015 Triathlon Festival. See 2015 Traffic Control Guidelines, Appendix 4.9	PRODUCT Supporting Signage TRIATHLON FESTIVAL	 Traffic Management Systems 107/11 CHURCHMAN PHOENIX, QLD 4108 Phone: 081 420 77 100 Fax: 081 420 77 100 Email: info@trafficmanagement.com.au Web: www.trafficmanagement.com.au	TOP HAS LURED AS A GUIDE 
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Tri The Gong 2015 - TRIATHLON FESTIVAL

PLAN B PIONEER RD - GLOSSOP ST TO EDGAR ST



	Traffic Management Systems Australia 100/1000 Pacific Highway Sydney NSW 1510 Phone: 02 9550 1000 Fax: 02 9550 1001 Email: info@tmsa.com.au	PROJECT NO: TM/15/001 PROJECT NAME: TRI THE GONG 2015 - TRIATHLON FESTIVAL	DATE: 12/01/15 DRAWN BY: [Name] CHECKED BY: [Name]	SCALE: 1:1000 SHEET NO: 1 OF 1	DRAWN BY: [Name] CHECKED BY: [Name]	APPROVED BY: [Name]	APPROVED BY: [Name]
	Author: P. COLLINGS Date: 12/01/15 Version: 1.0 Project No: 7033-12750 B	Project: TRI THE GONG 2015 - TRIATHLON FESTIVAL Client: [Name] Location: [Name]	Project No: 7033-12750 B Project Name: TRI THE GONG 2015 - TRIATHLON FESTIVAL	Date: 12/01/15 Drawn By: [Name] Checked By: [Name]	Scale: 1:1000 Sheet No: 1 OF 1	Drawn By: [Name] Checked By: [Name]	Approved By: [Name]

TRAFFIC LIGHTS TRAFFIC LIGHTS	
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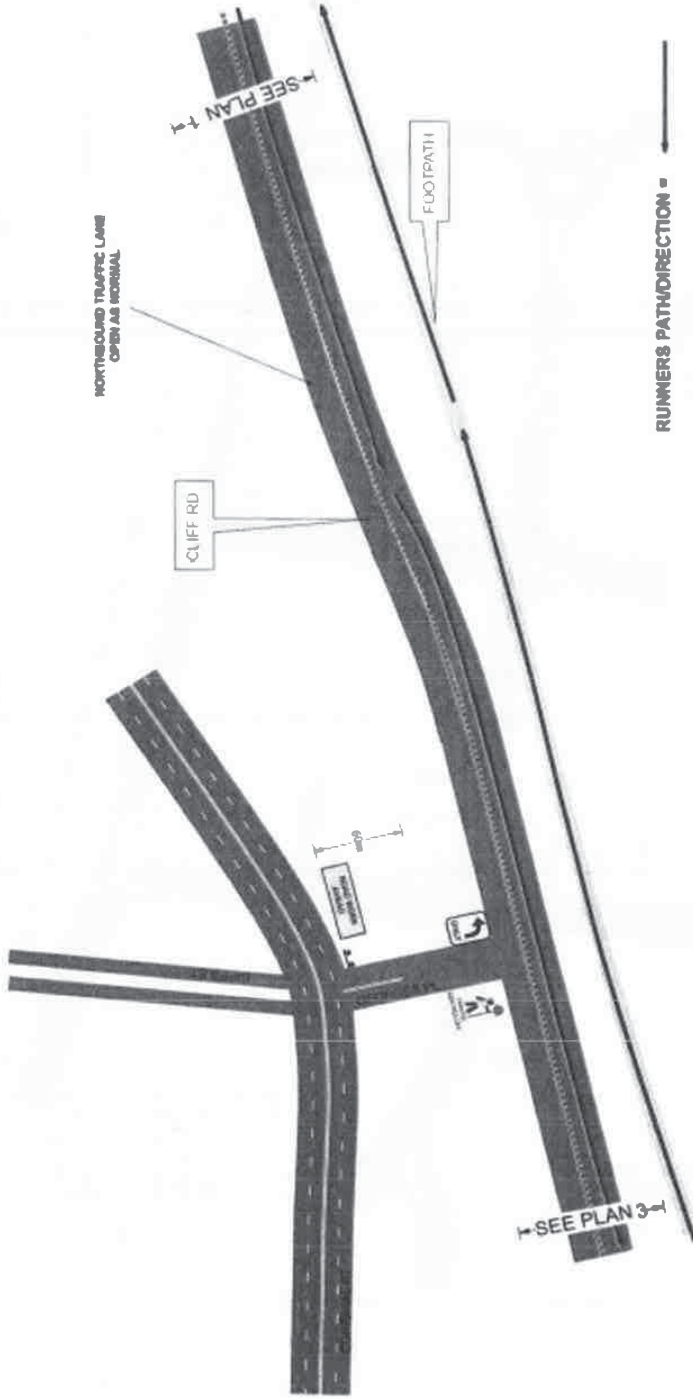


**DETOUR OVERVIEW
FOR PLANS 9 & 10**

--- DETOUR ROUTE
— DETOUR ROUTE

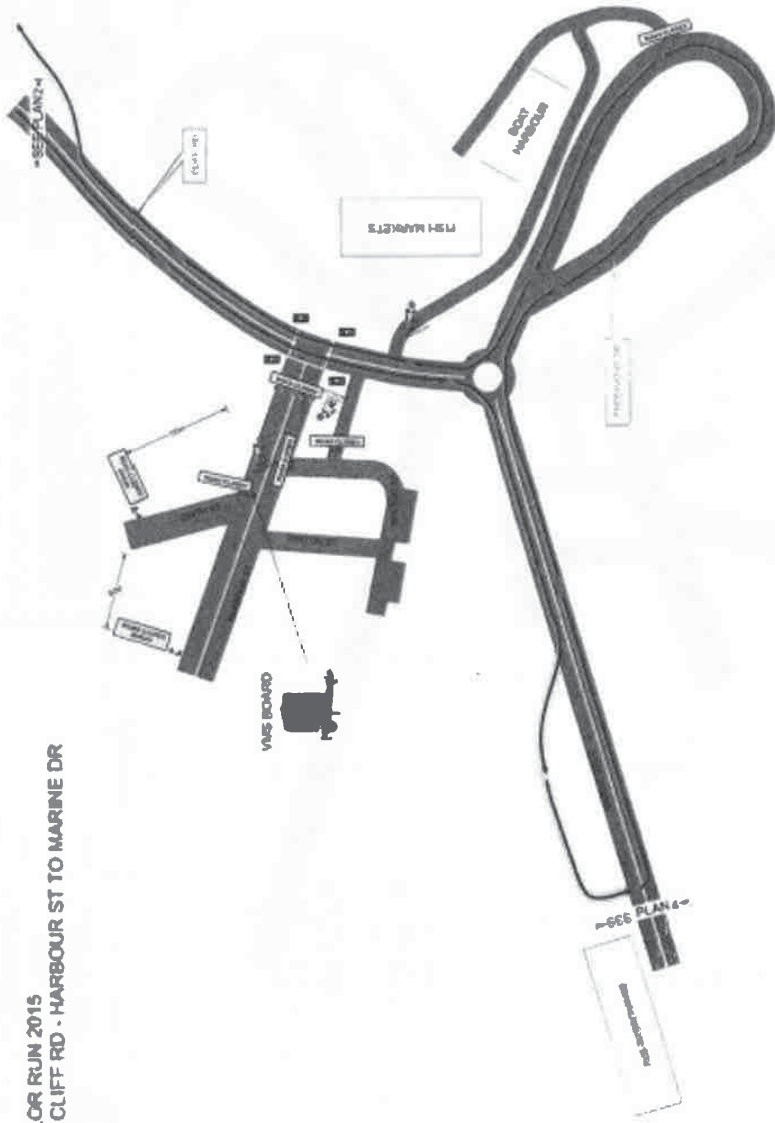
"Tri The Gong 2015" - TRIATHLON FESTIVAL

**THE COLOR RUN 2015
PLAN 2 - CLIFF RD - GEORGES PL TO BOURKE ST**




 <p>Traffic Management SOLUTIONS</p> <p>WELLINGTON Ph: (07) 4272135 Fax: (07) 8631 7882 F: (07) 4272135 Fax: (07) 8631 7993</p> <p><small>THIS TRAFFIC MANAGEMENT PLAN DOES NOT ASSUME LIABILITY FOR AN ACCIDENT OR INJURY IF NOT DIRECTLY INVOLVED IN ITS IMPLEMENTATION</small></p>	<p>PROJECT</p> <p>THE COLOR RUN</p>	<p>Comments:</p> <ol style="list-style-type: none"> TCP designed as a guide only. Signs should be placed & clearly TCP is not a sign. All signage to be removed on completion of the work. Signs should be placed in accordance with the following: Traffic Controller sign to manage pedestrian at stop. <p><small>This plan is in accordance with NZS 3717 Traffic Control Devices to enhance the 9th "Right of Way" compliance" sign.</small></p>	<p>Implemented By</p> <p>Name:</p> <p>Date:</p> <p>Signed:</p> <p>Dist No:</p>
	<p>Author: T Dale</p> <p>Prepared by Alan Smith Cart with checked</p> <p>Plan No: TCRGEN-P2</p>		<p>PLAN NOT TO SCALE</p>

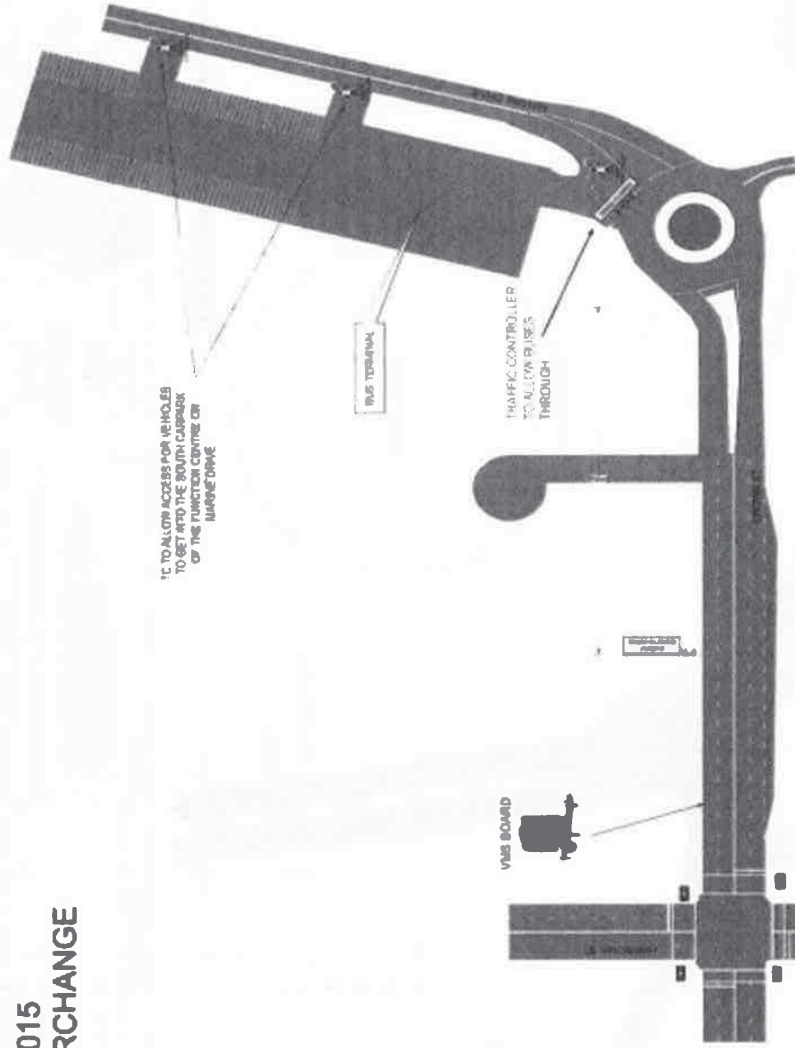
**THE COLOR RUN 2015
PLAN 3 - CLIFF RD - HARBOUR ST TO MARINE DR**




UNIMATED PRODUCTION -

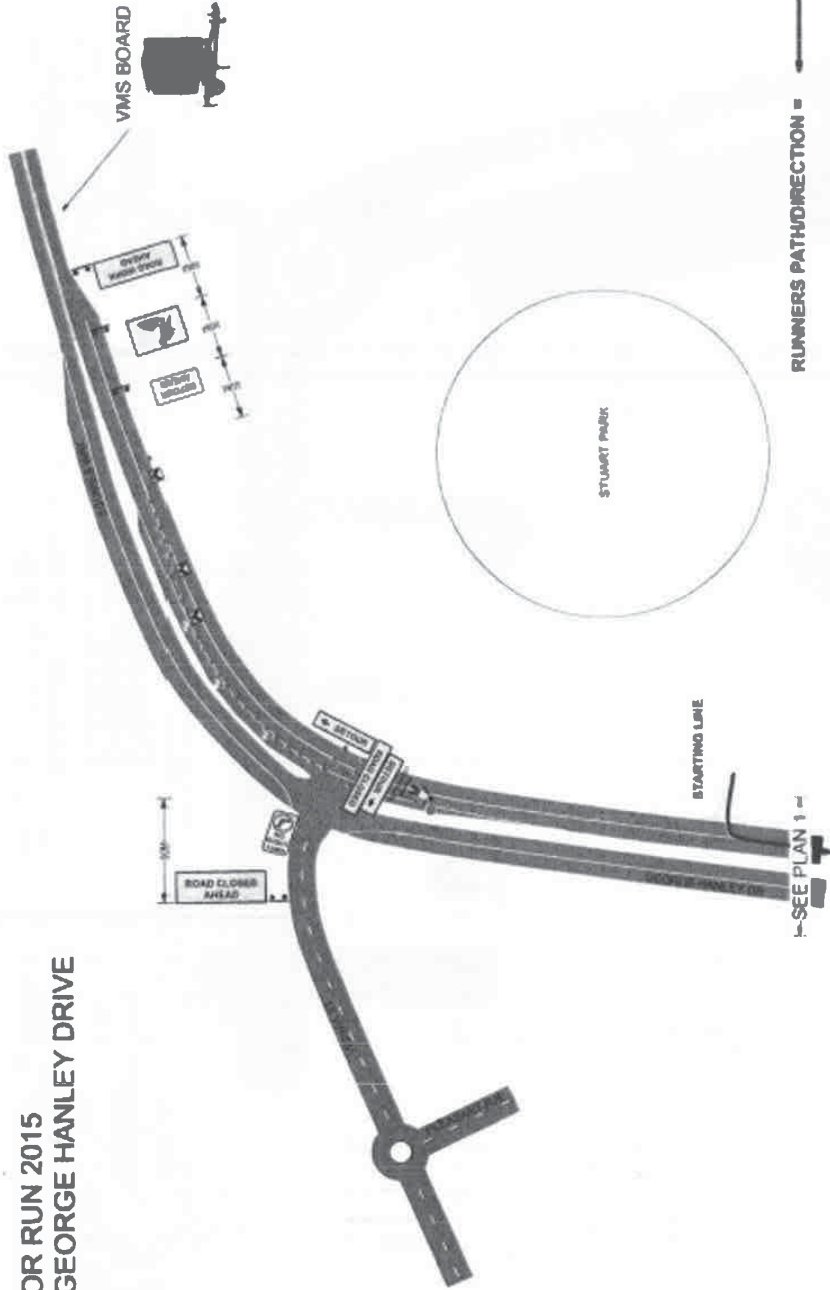
 <p>PLAN NOT TO SCALE</p>	<p>Author: T. Day Prepared by: Alex Smith Copy on: 4/22/2015</p> <p>TRIP No: TCRGEN-P3</p>	<p>Prepared By</p> <p>Name: _____ Date: _____ Signed: _____ Cell No: _____</p>	<p>Comments:</p> <ol style="list-style-type: none"> 1 TDP Designed as a guide only. 2 Not liable to read & clarify TDP to user. 3 Sign locations may vary due to obstructions, obstructions etc. 4 Traffic Controllers are to manage prohibitions as well. <p>The plan is a reference only. TMO'S TRIP CONTROL SYSTEMS IS NOT THE SIGN TRIP CONTROL MANAGER.</p>	<p>PROJECT</p> <p>THE COLOR RUN</p>	<p>Traffic Management WOLLONGONG TRIPKEY PHONE (02) 42721133 PHONE (02) 9531 7152 FAX (02) 42721134 FAX (02) 9531 7083</p> <p>OUR TRAFFIC MANAGEMENT DOES NOT ACCEPT LIABILITY FOR ANY INJURIES OR LOSS OF PROPERTY CAUSED BY OUR SIGNIFICATION</p>
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THE COLOR RUN 2015 PLAN 4 - BUS INTERCHANGE



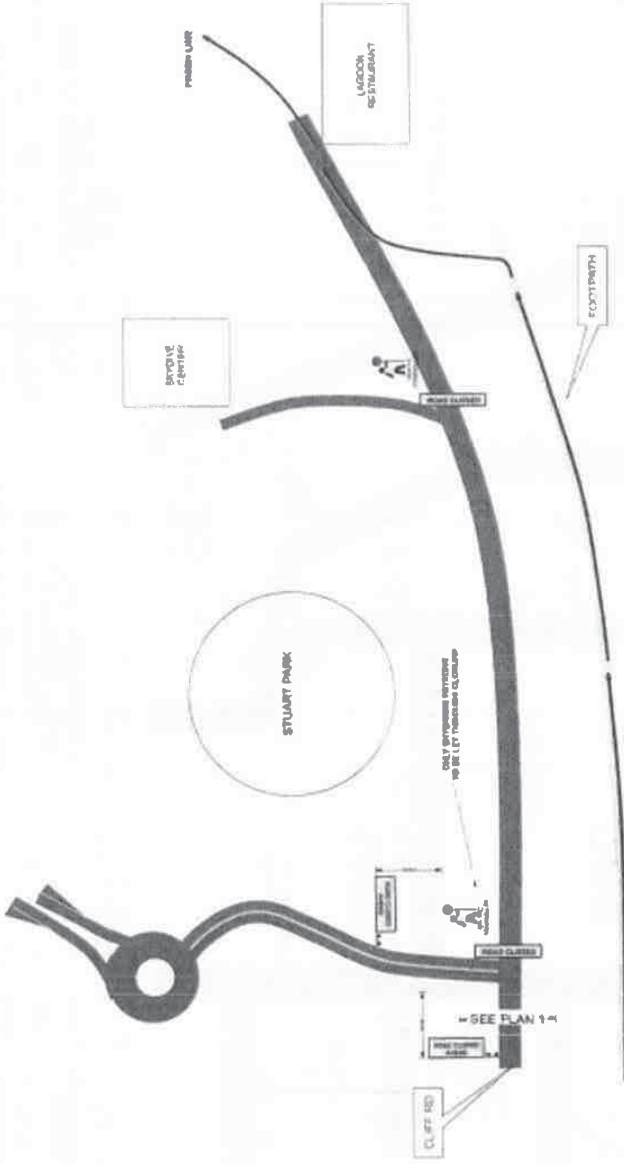
 Author: T Diaz reviewed by Alex Smith Conf: M. Robinson Type No: TCRGEN-P4	Implemented By: Name: _____ Date: _____ Signed: _____ Conf No: _____	Comments: 1. TCR Designed as a guide only. 2. Sign layout to Scales & Quality TCR to suit. 3. All signage to be marked as completion of the work. 4. Sign changes may vary due to circumstances, drawings etc. 5. Traffic Controllers are to manage pedestrians as well. *This plan is a submission with AD 112.2 3/16/15. Client (Event) to advise us if they require any changes to the plan.	PROJECT THE COLOR RUN	Traffic Management 5/10/15 WOLLONGONG Phone: (02) 42777133 Fax: (02) 42777134 Phone: (02) 42777133 Fax: (02) 42777134 All rights reserved. All other rights reserved. All other rights reserved. All other rights reserved.
	PLANNED TO SCALE			

**THE COLOR RUN 2015
PLAN 5 - GEORGE HANLEY DRIVE**



 <p>PLAN NOT TO SCALE</p>	<p>Author: J. C. M. J.</p> <p>Approved by: [Signature]</p> <p>DATE: [Date]</p> <p>TRIP No: TCRGEN-P5</p>	<p>Implemented By:</p> <p>Name: _____</p> <p>Unit: _____</p> <p>Signed: _____</p> <p>Date: _____</p>	<p>Comments:</p> <ol style="list-style-type: none"> 1. TCR Genplan as a guideline 2. Main roads to be used initially TCR to end 3. Signs should be placed early and to be replaced as necessary 4. Traffic Control signs to be placed as per the plan <p>The plan is in accordance with the TCR 2015 Traffic Control Strategy and is subject to the TCR 2015 Traffic Control Strategy and is subject to the TCR 2015 Traffic Control Strategy</p>	<p>PROJECT</p> <p>THE COLOR RUN</p>	 <p>Traffic Management</p> <p>WOLLONGONG STONEY PHONE: (02) 4777 1133 FAX: (02) 4777 1140 Tel: (02) 4777 1134 Fax: (02) 4777 1140</p> <p>OUR TRAFFIC MANAGEMENT PLANS ARE ACCURATE AND SUBJECT TO REVIEW AND UPDATES</p>
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THE COLOR RUN 2015 PLAN 7 - STUART PARK



	PROJECT THE COLOR RUN	Comments: 1. TCR designed as a path run. 2. Runners should be advised to be ready 15-20 min before start. 3. Sign placement may vary due to circumstances (barriers etc) 4. Traffic Controllers are to manage pedestrians on road. This plan is in accordance with 15/2/2015 Traffic Control System of vehicles. The City of Wollongong is not liable for any loss.	Runners Path Direction
Implemented By Name: _____ Date: _____ Signed: _____ Cont No: _____		AB Traffic Management WOLLONGONG Phone: (02) 4227 1133 Fax: (02) 4227 1134 Phone: (02) 4227 1134 Fax: (02) 4227 1134 888 TRAFFIC MANAGEMENT ARE A FULLY LICENSED COMPANY IF NOT SPECIFICALLY MENTIONED IN THIS IMPLEMENTATION	PLAN NOT TO SCALE

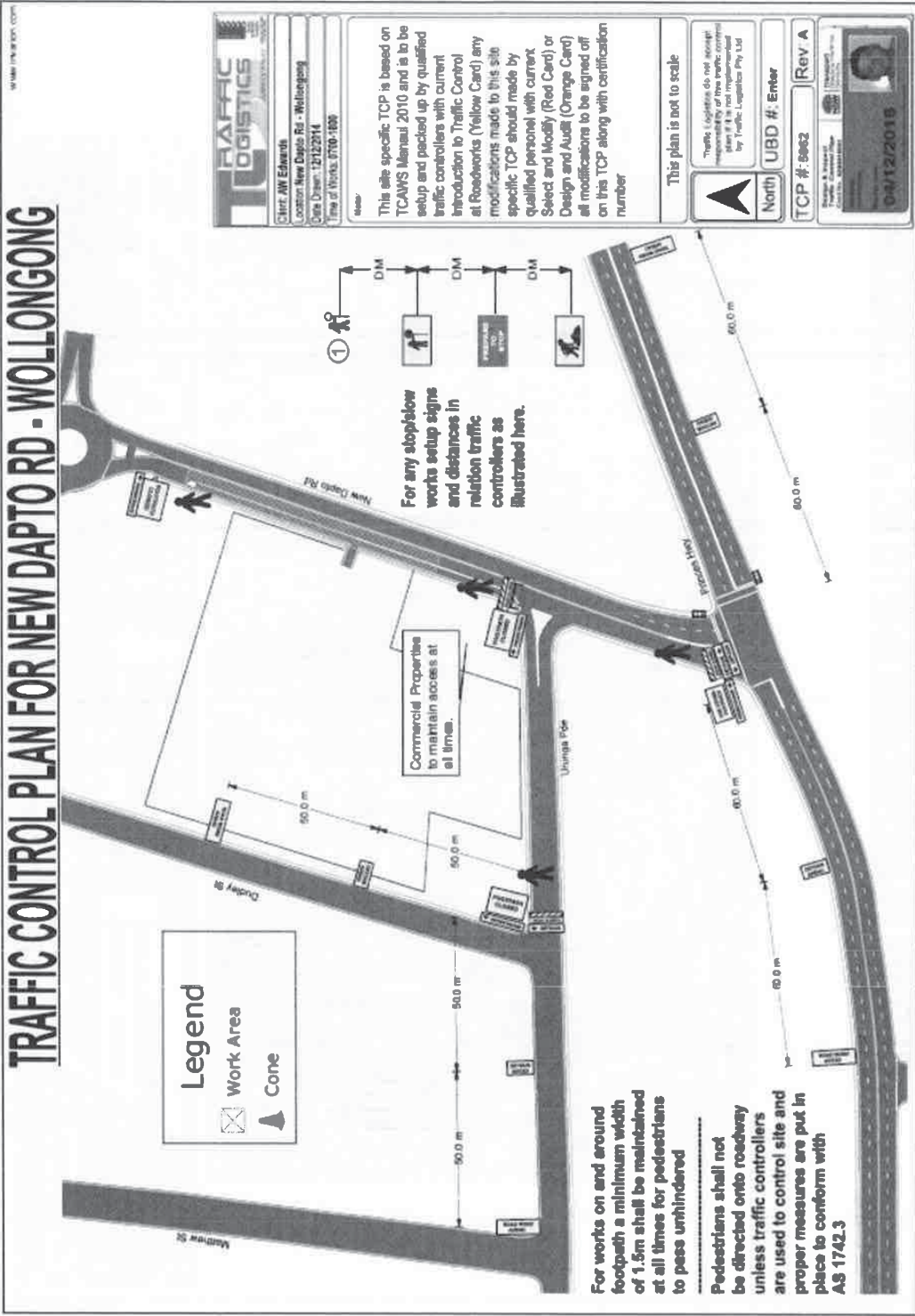
DETOUR PLAN FOR NEW DAPTO RD - WOLLONGONG

WWW.LINCOLN.COM

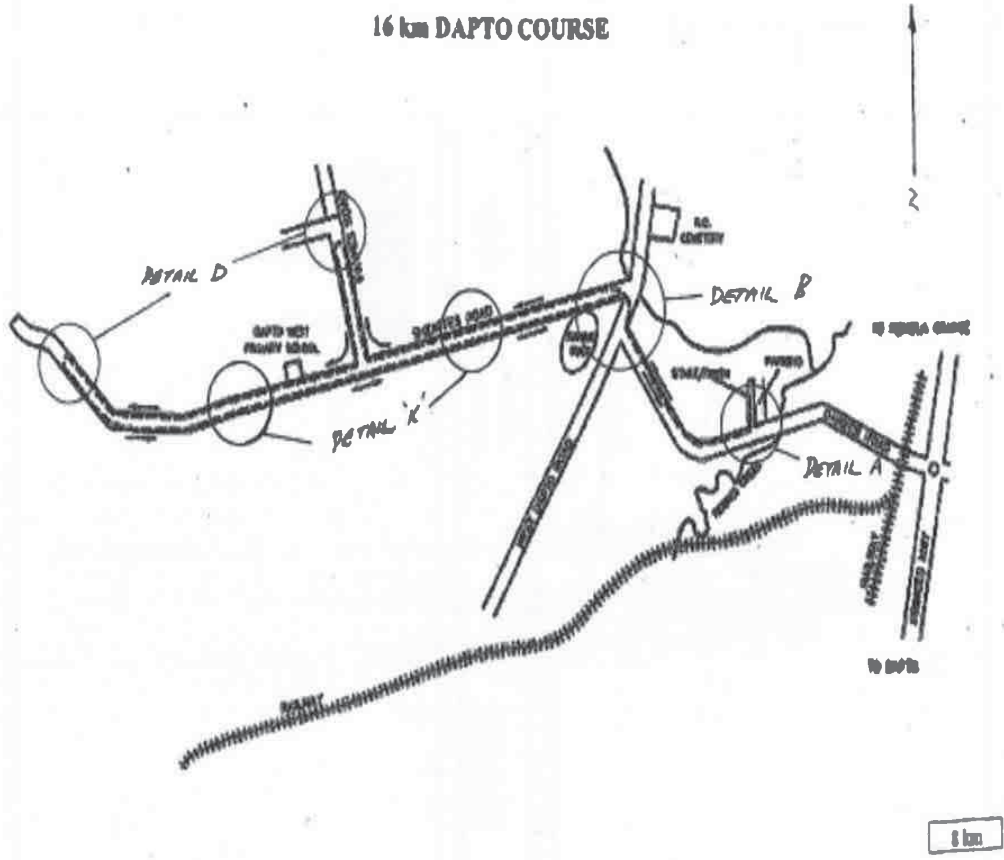


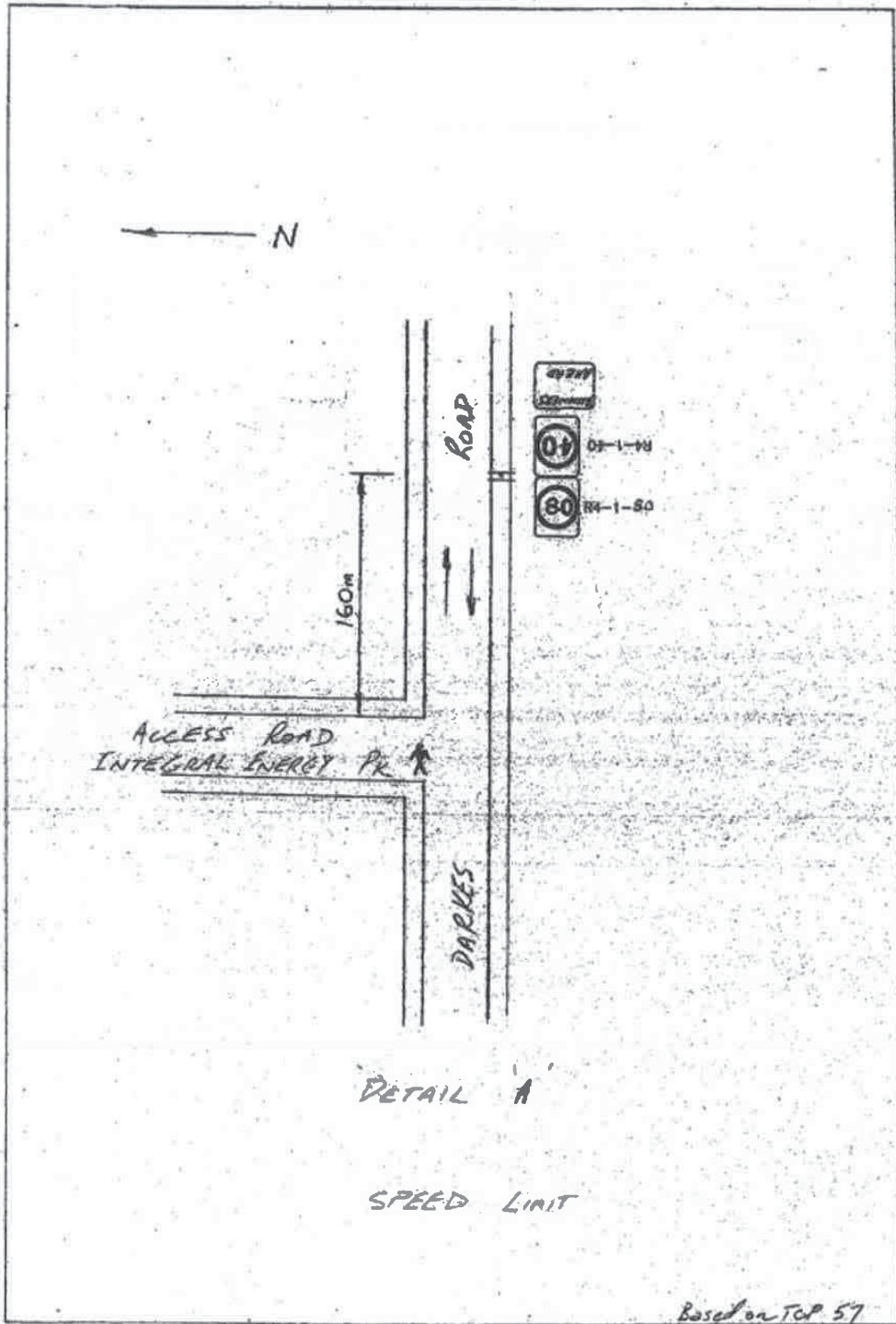
Client: AW Edwards	TLTCP: 5863	Rev: A
Location: New Dapto Rd - Wollongong		
Date Drawn: 12/12/2014		04/12/2016
Time of Works: 0700-1700	THIS PLAN IS NOT TO SCALE	
<p>This site specific TCP is based on TCAWS Manual 2010 and is to be setup and packed up by qualified traffic controllers with current introduction to Traffic Control at Roadworks (Yellow Card). Any modifications made to this site specific TCP should be made by qualified personnel with current Select and Modify (Red Card) or Design and Audit (Orange Card) and all modifications to be signed off on this TCP along with certification number</p>		

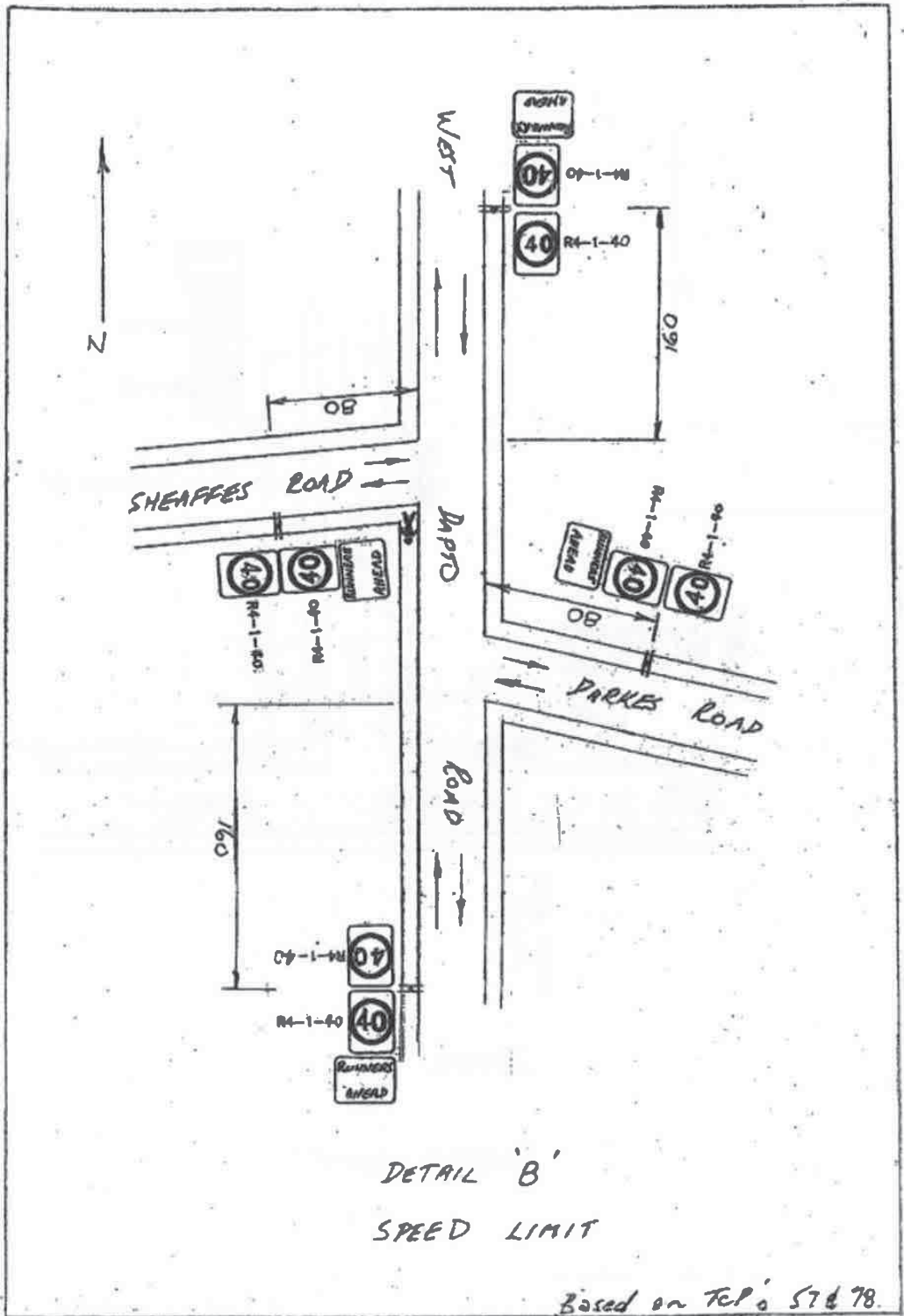
TRAFFIC CONTROL PLAN FOR NEW DAPTO RD - WOLLONGONG

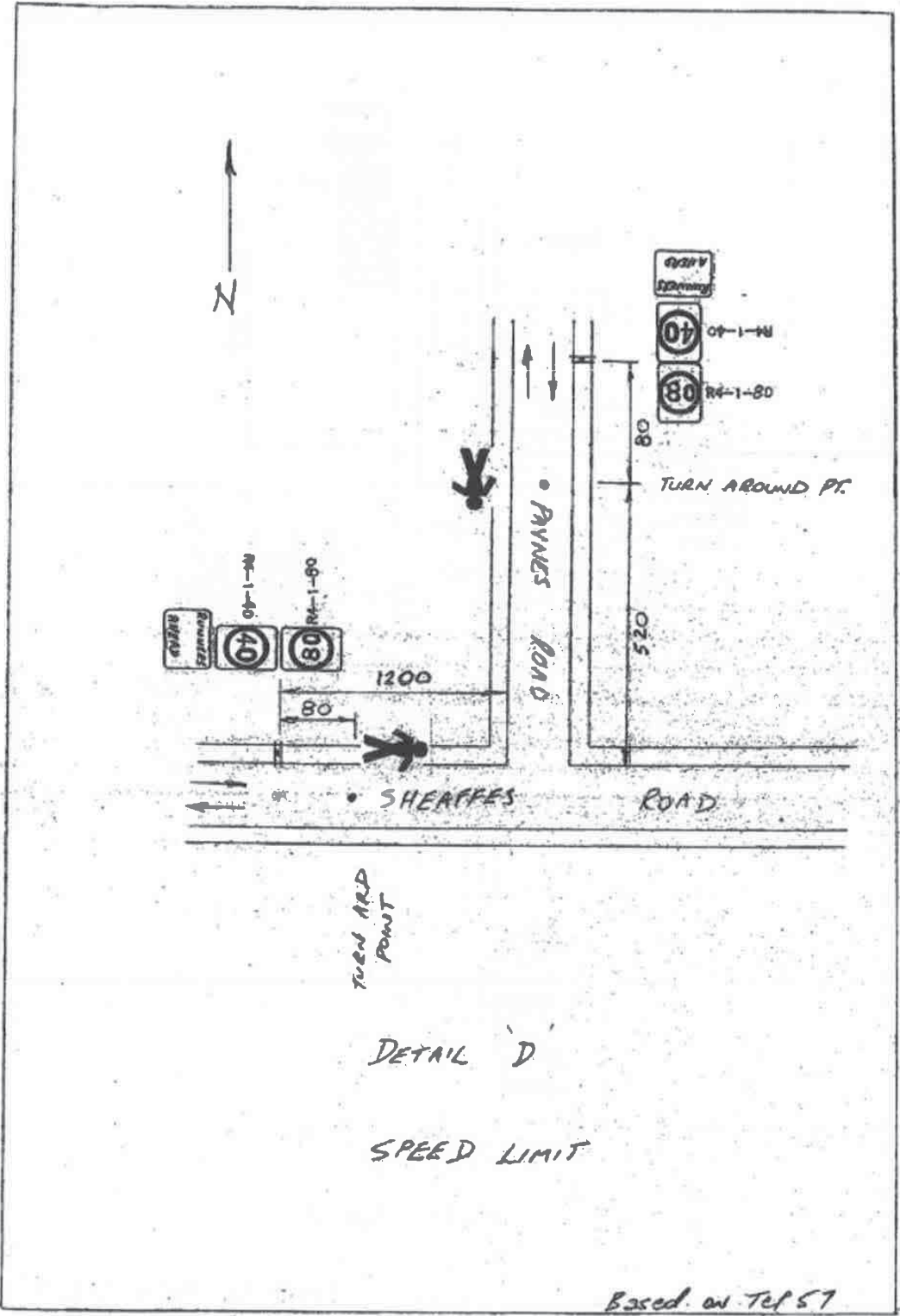


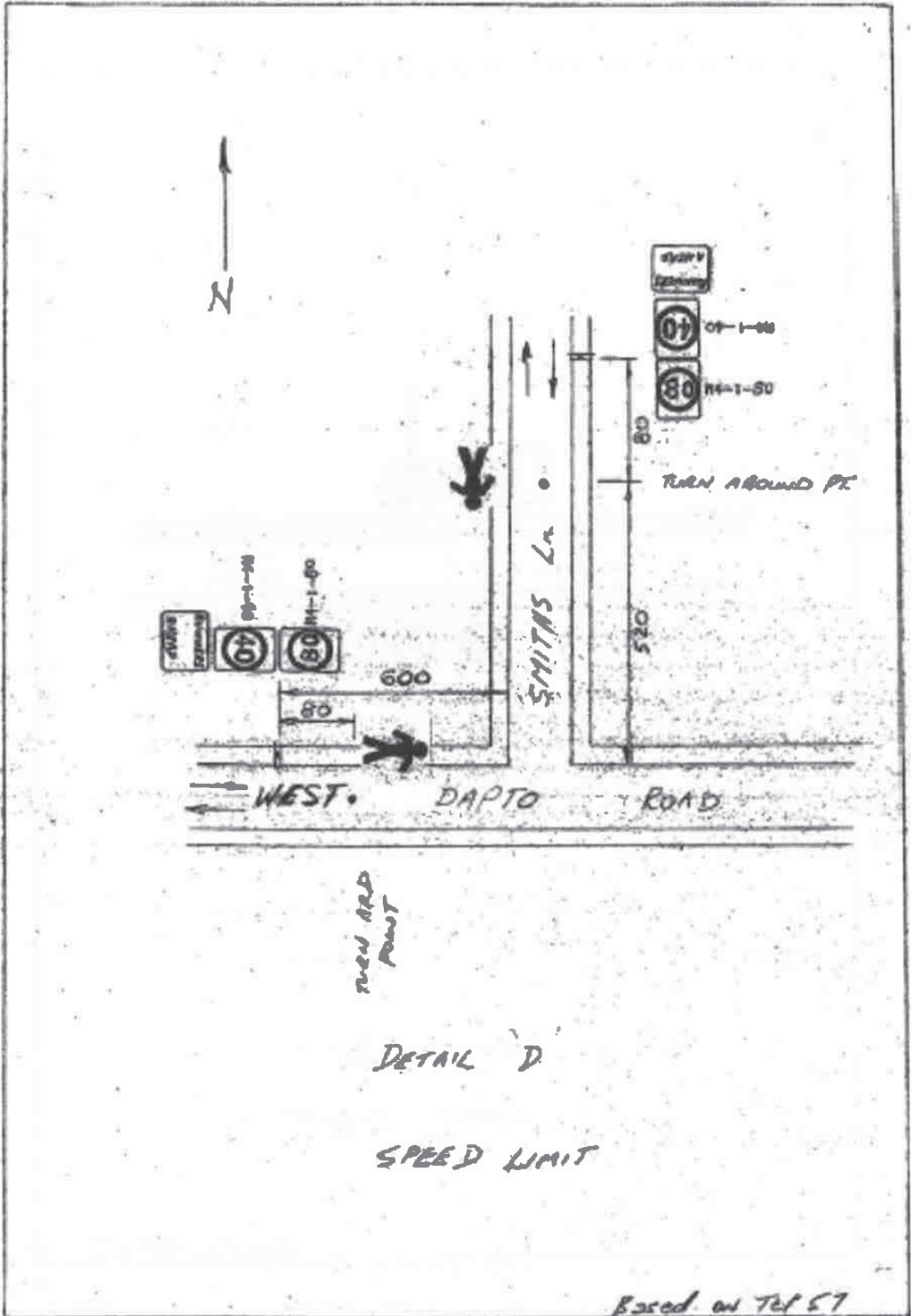
New Dapto Road Traffic Control Plan

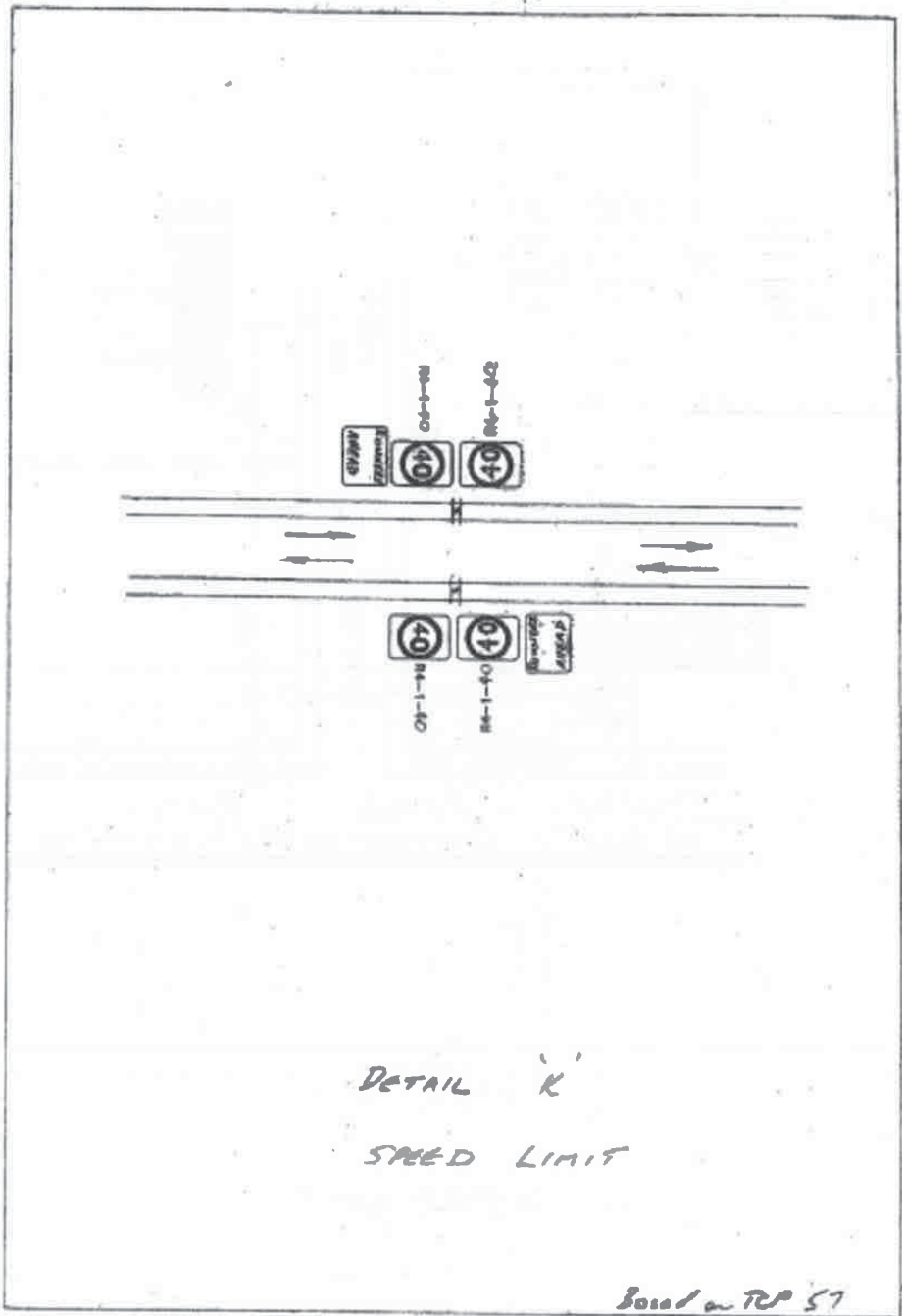


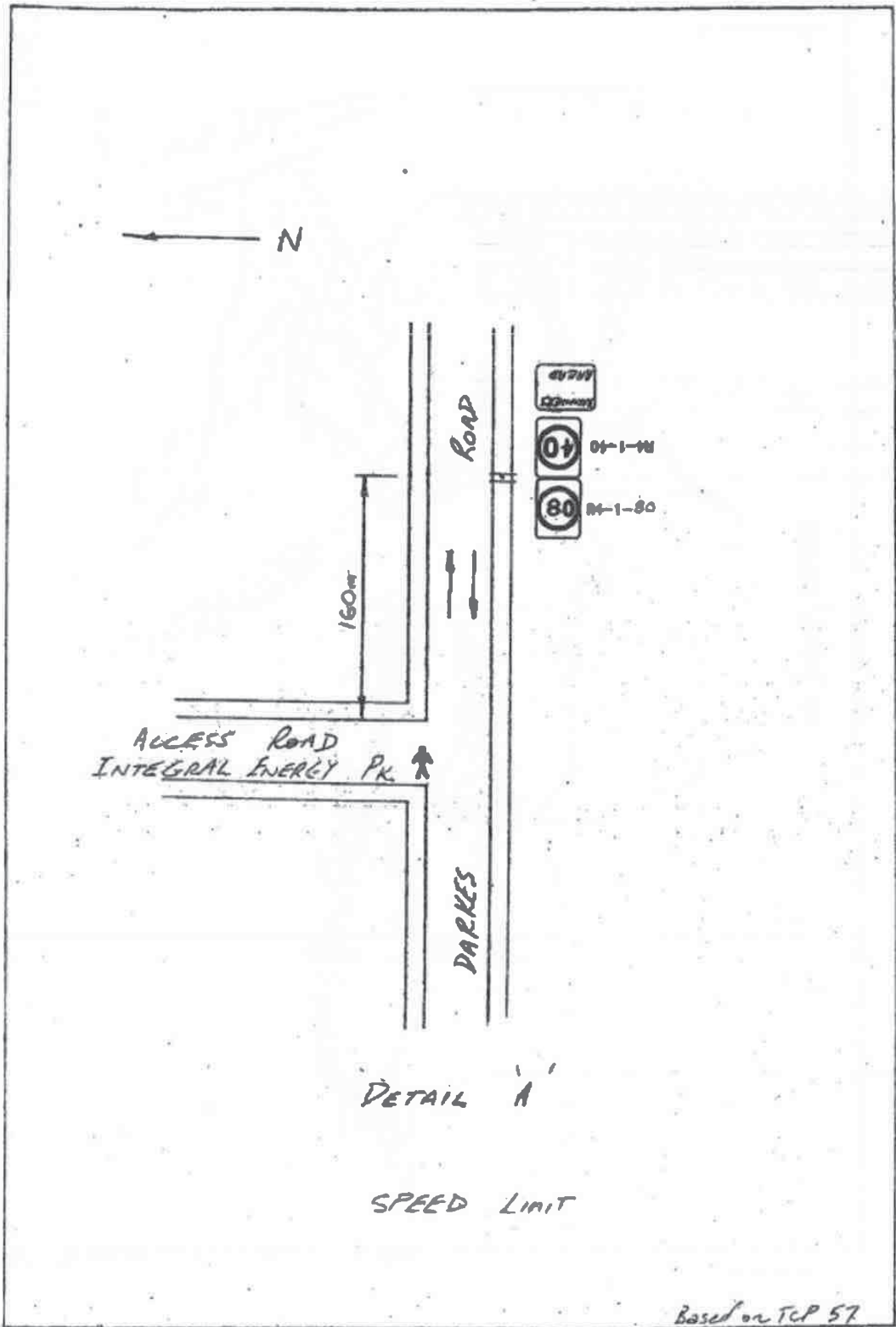


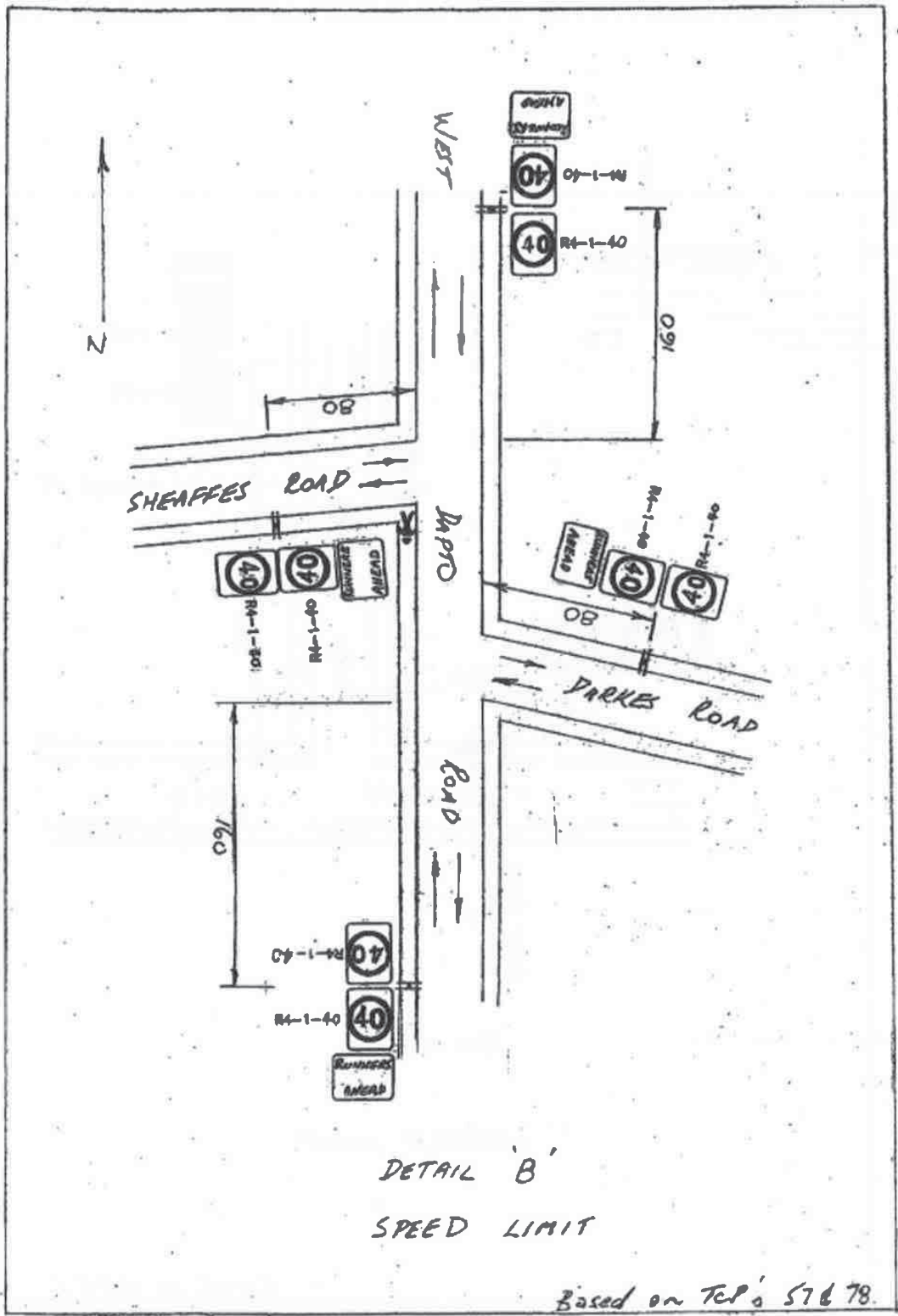


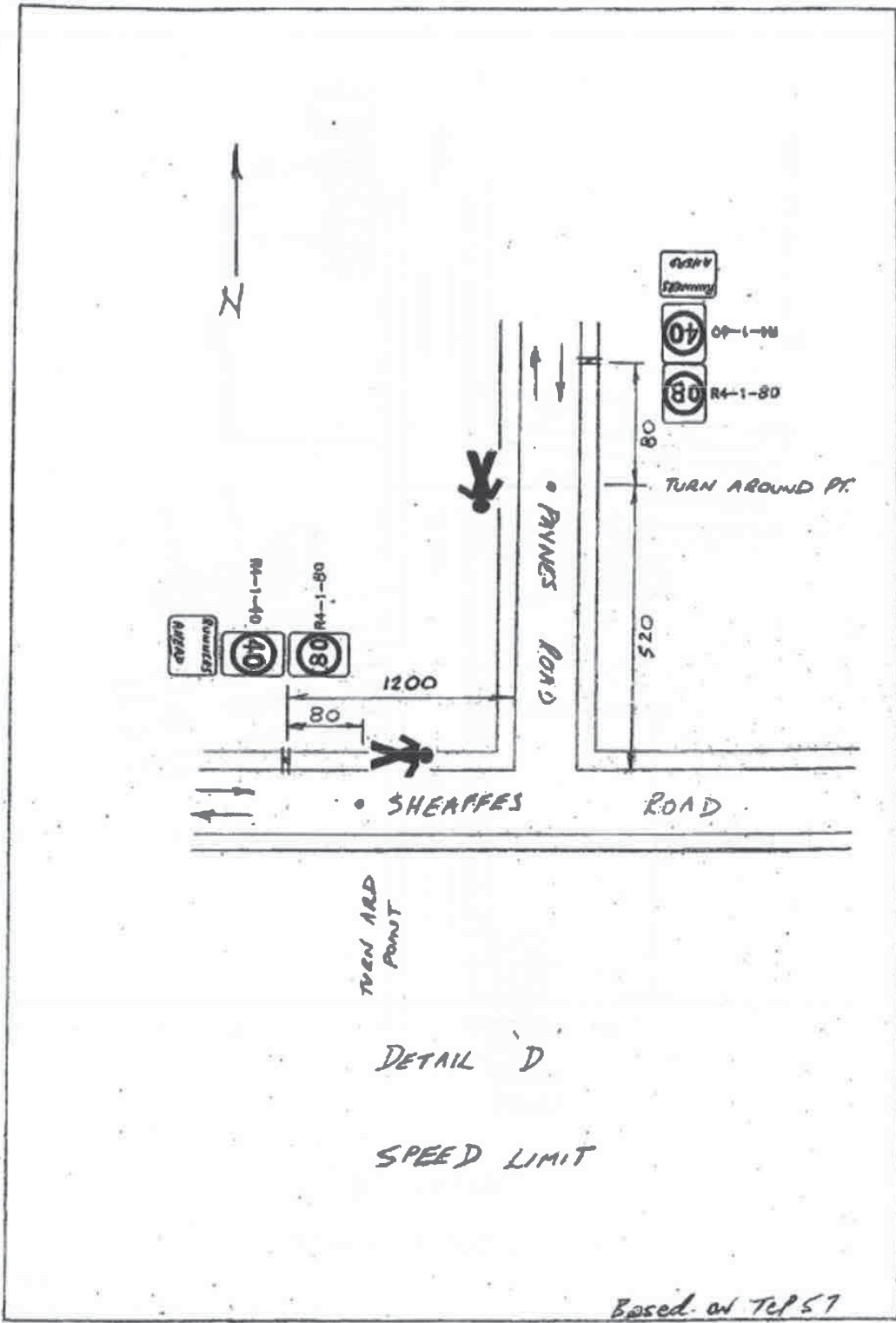


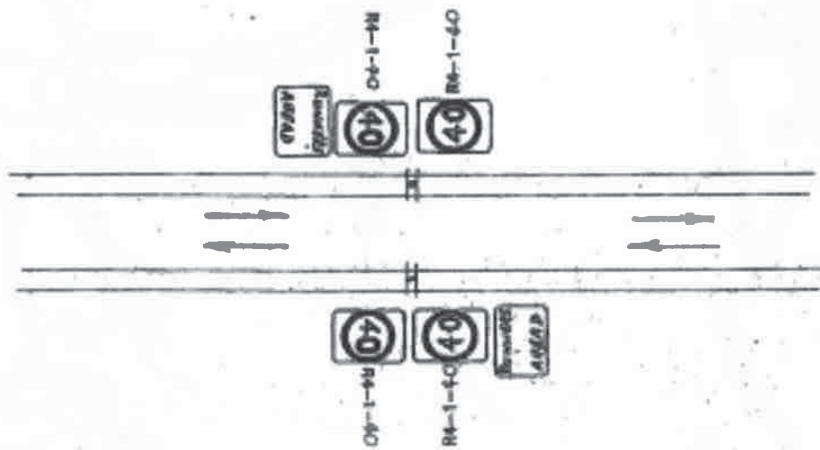








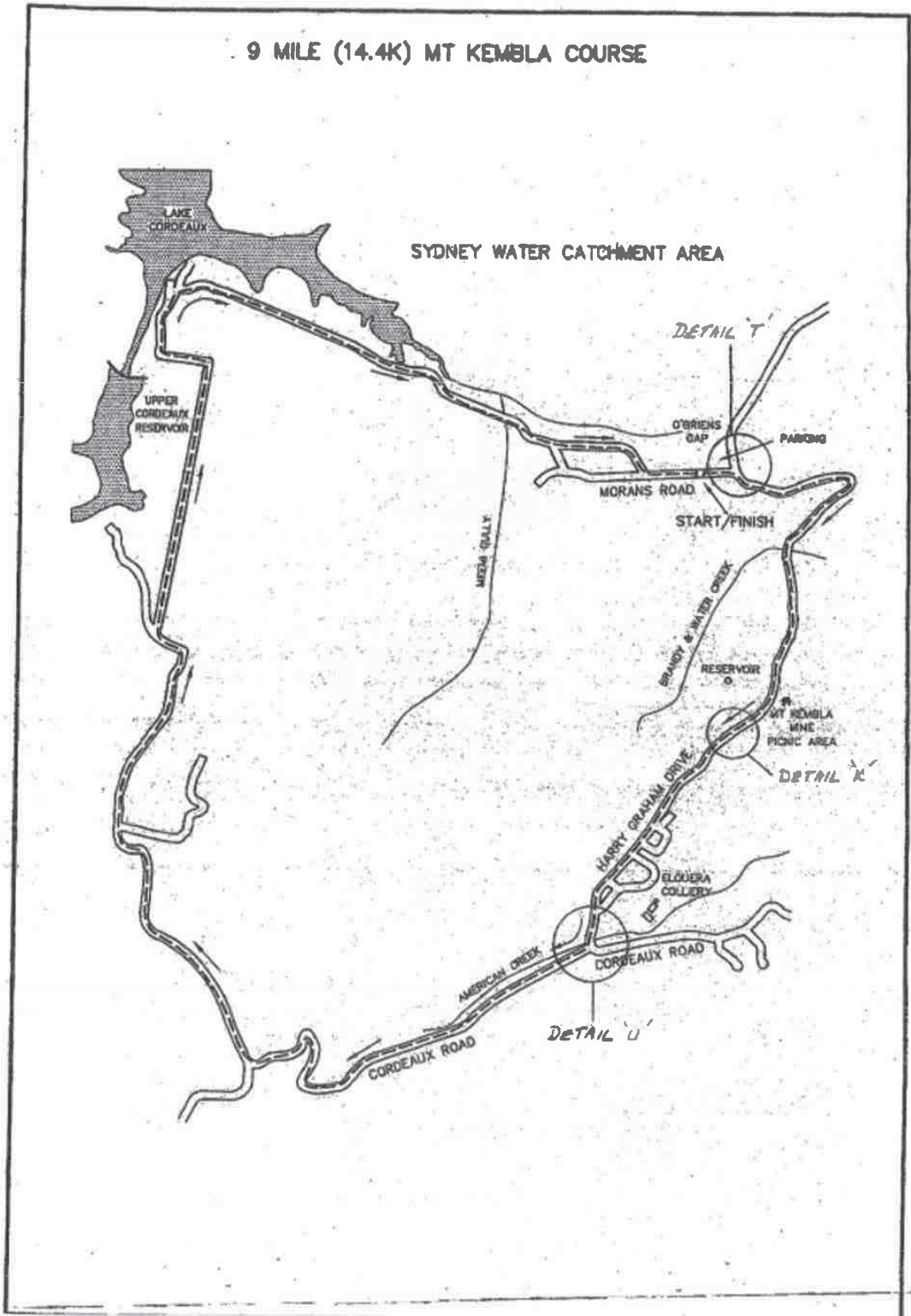




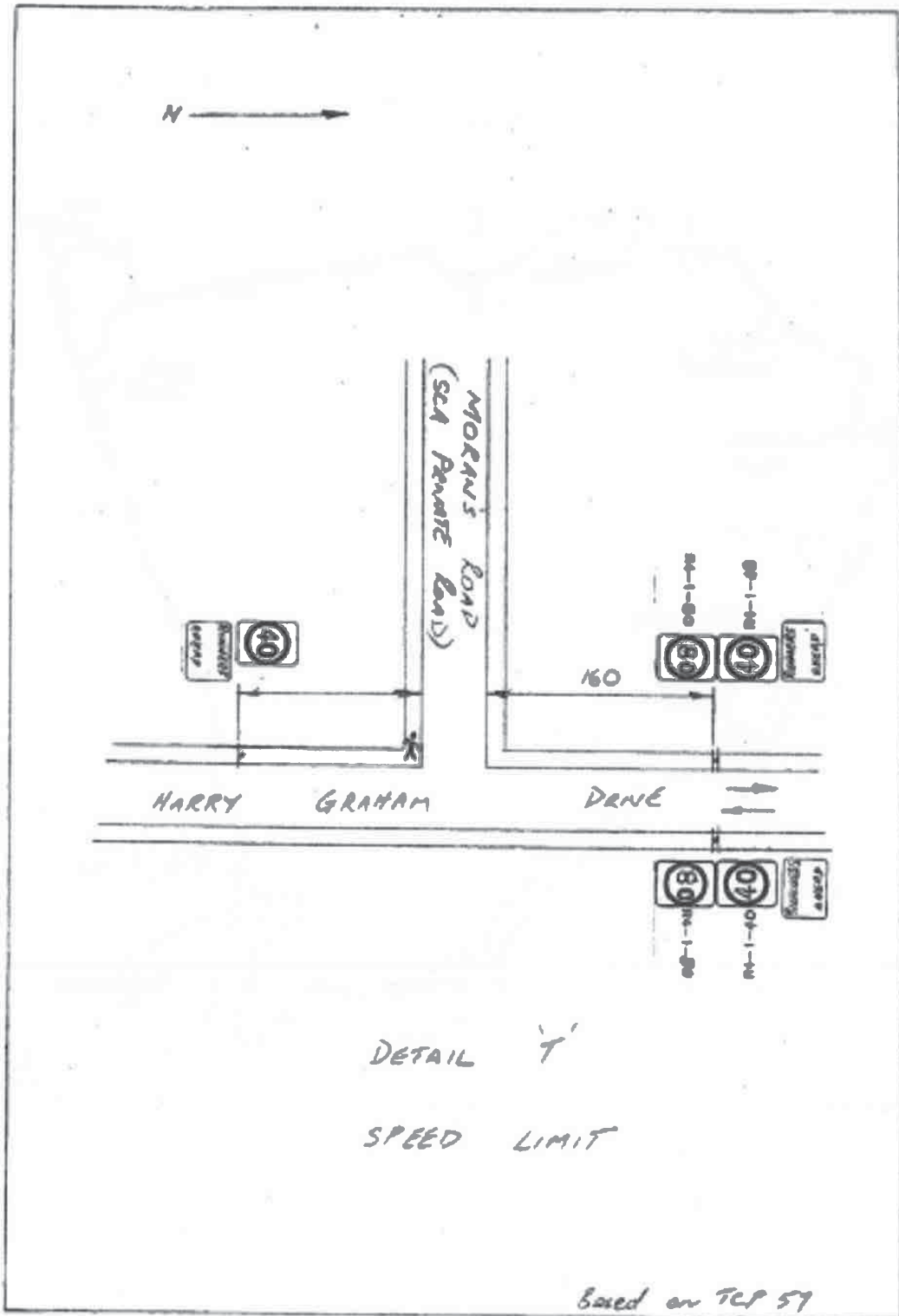
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SPEED LIMIT

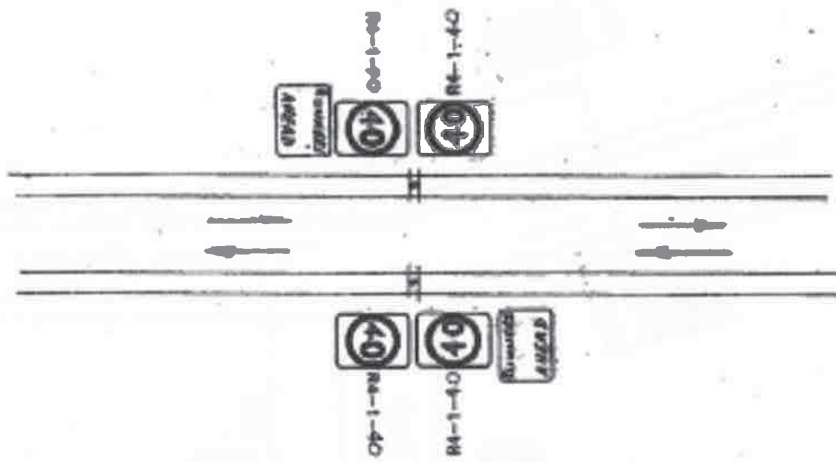
Based on TCP 57

9 MILE (14.4K) MT KEMBLA COURSE



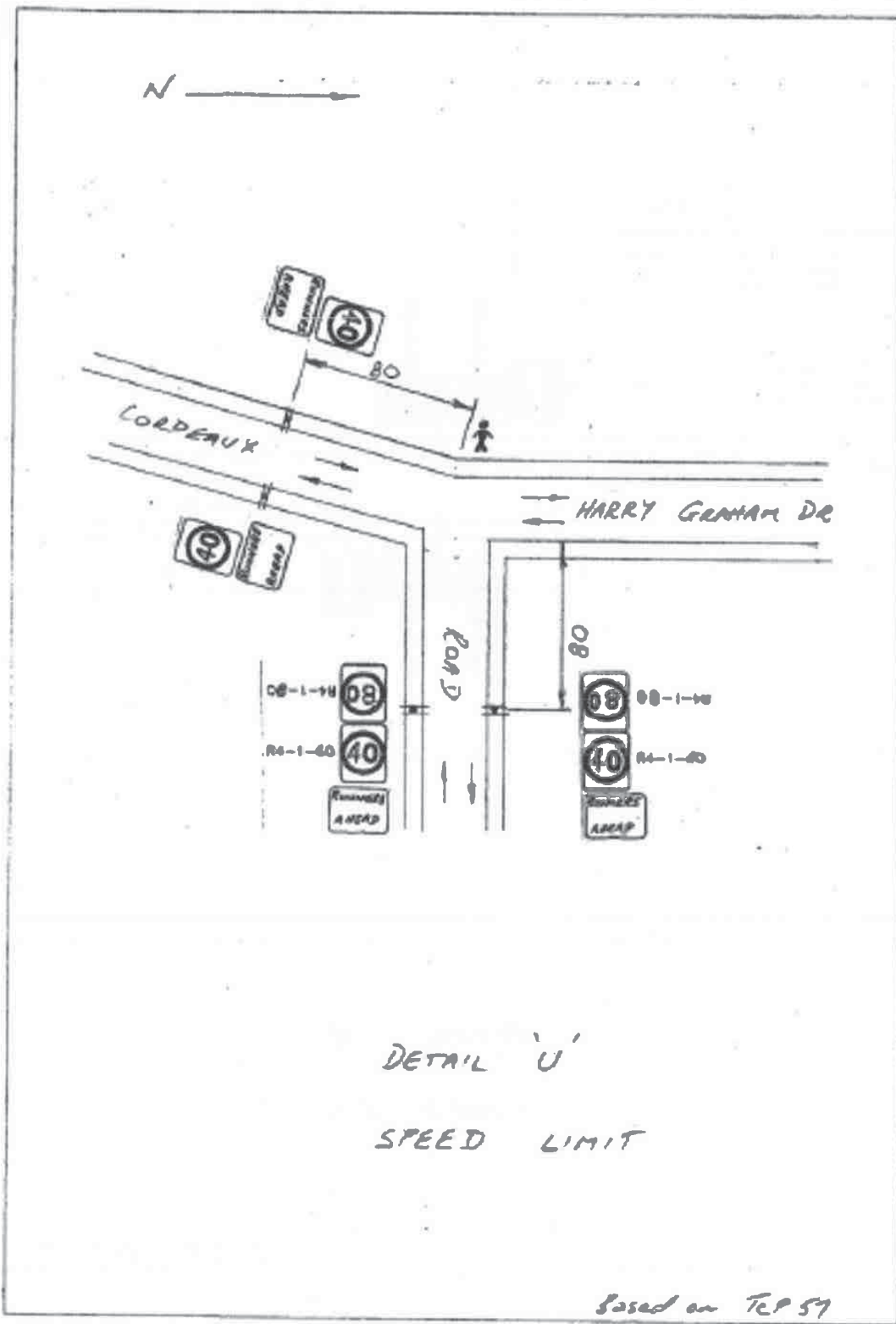


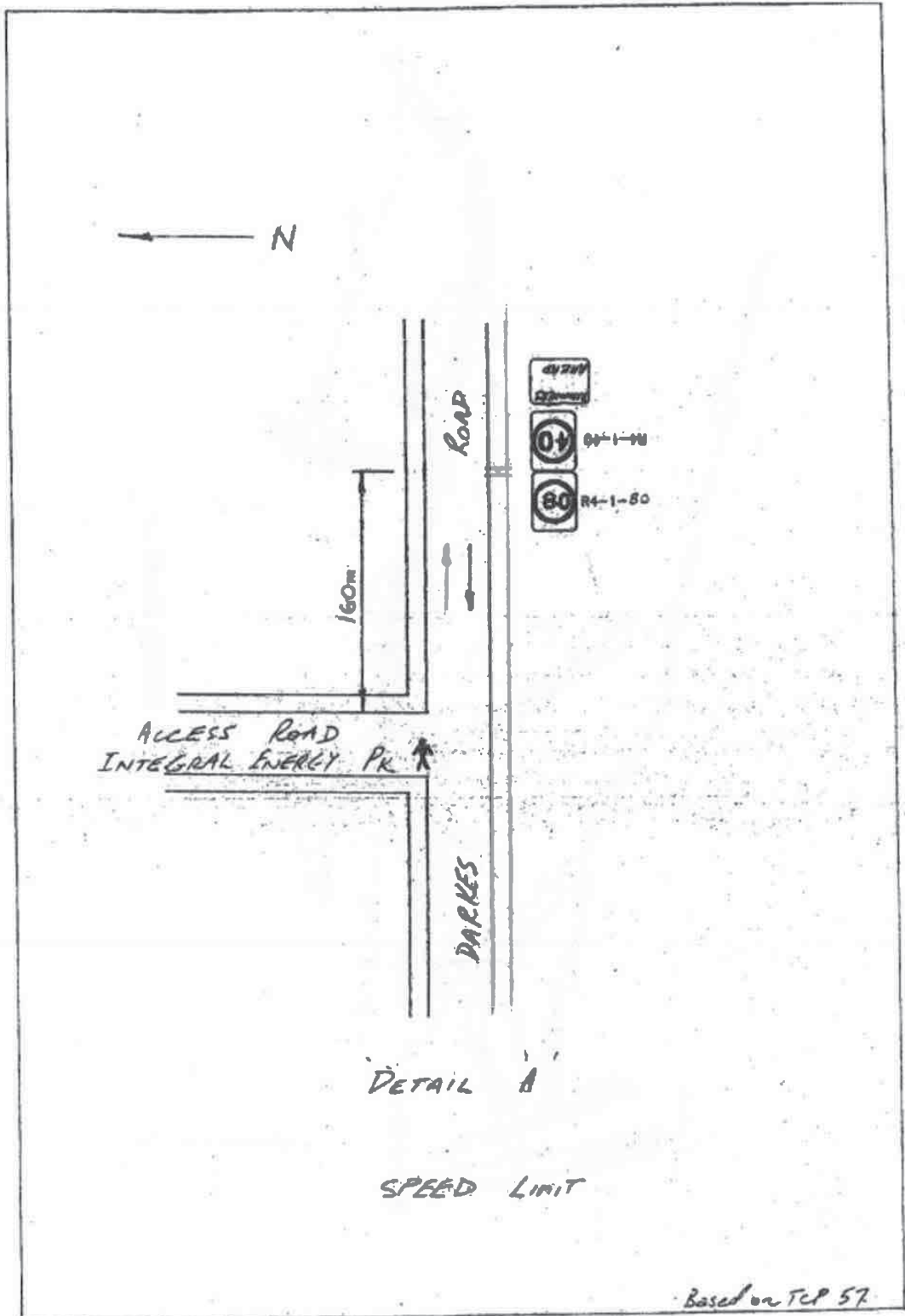


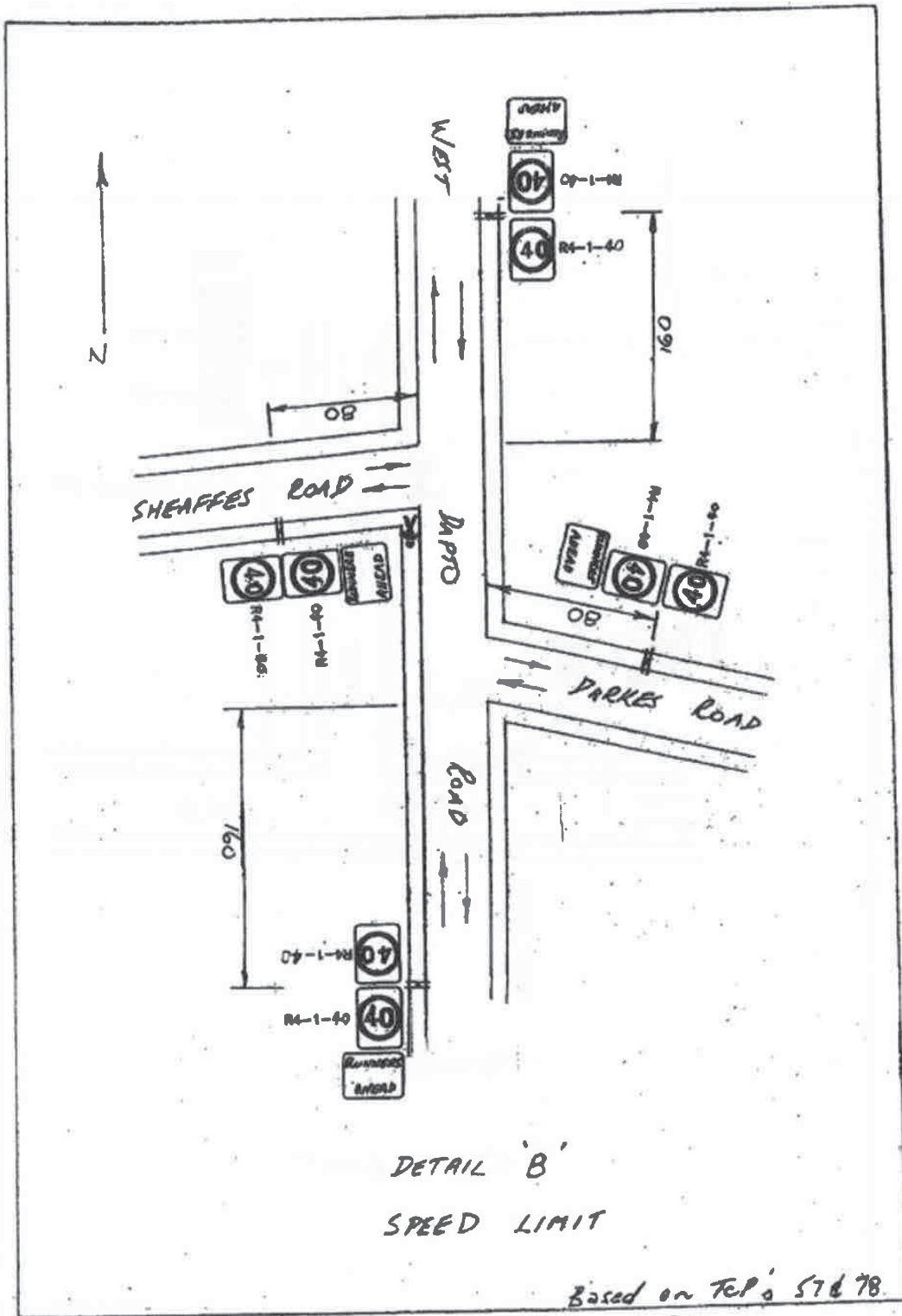


DETAIL 'K'
 SPEED LIMIT

Based on TCP 57

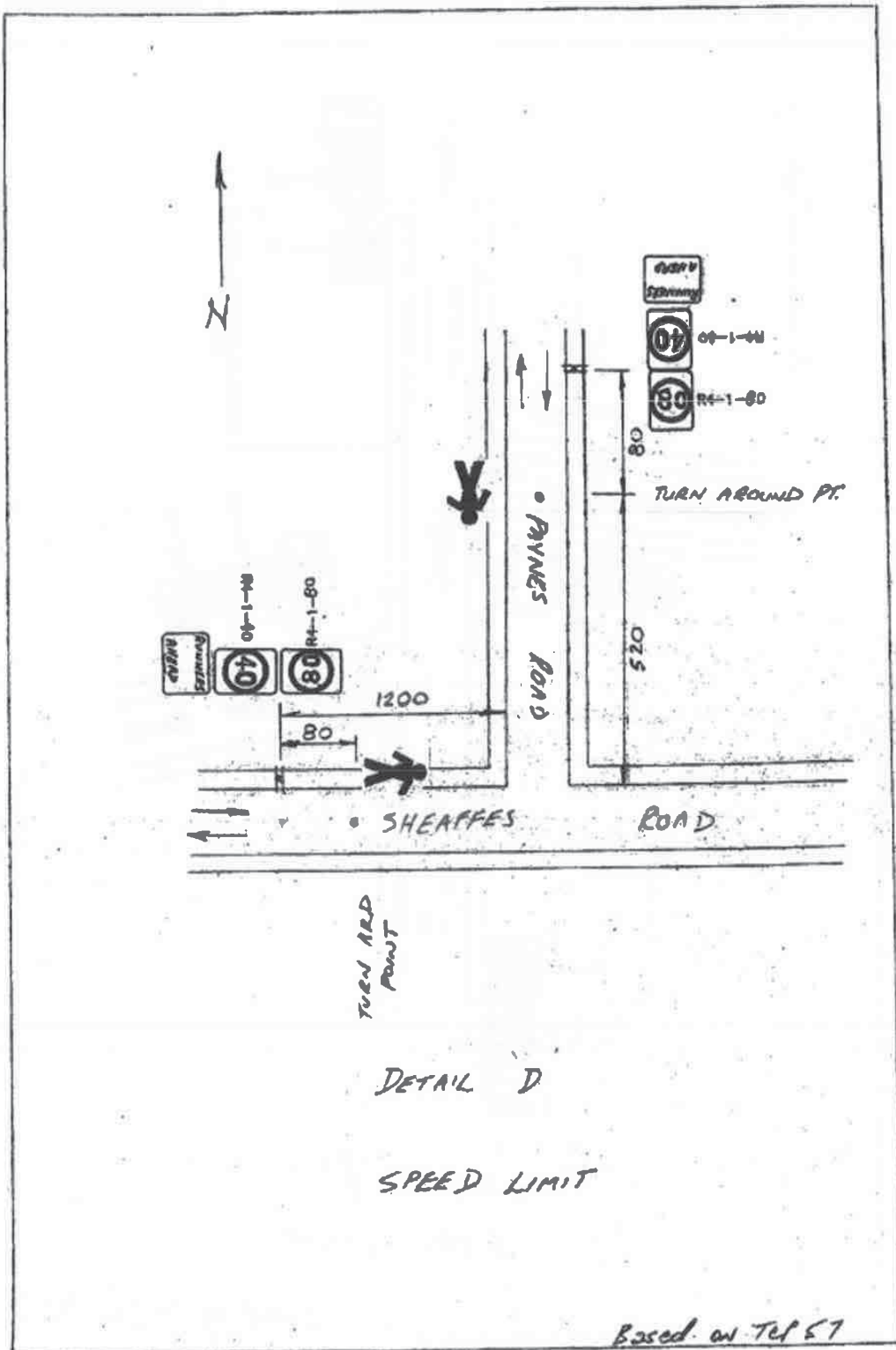


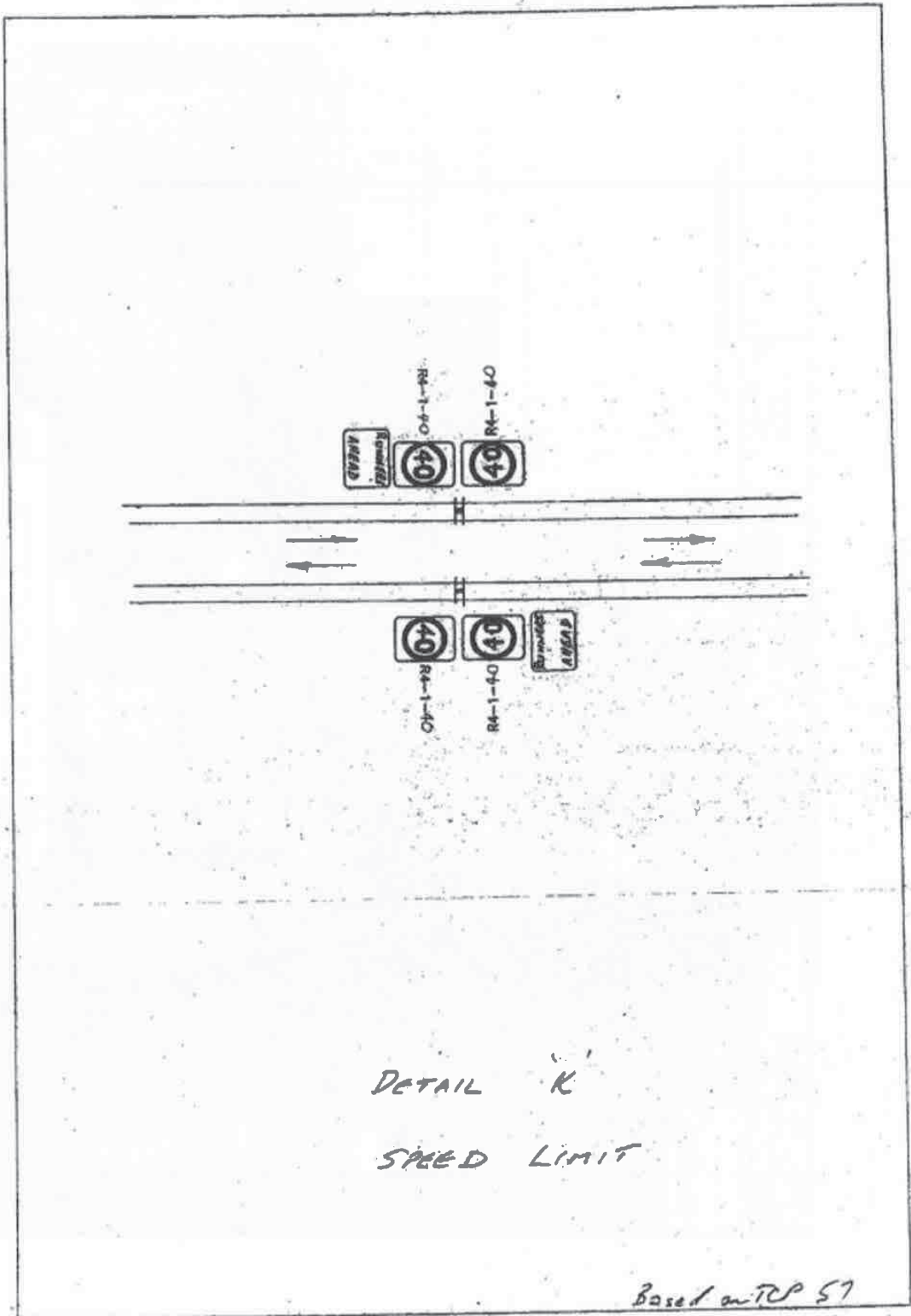




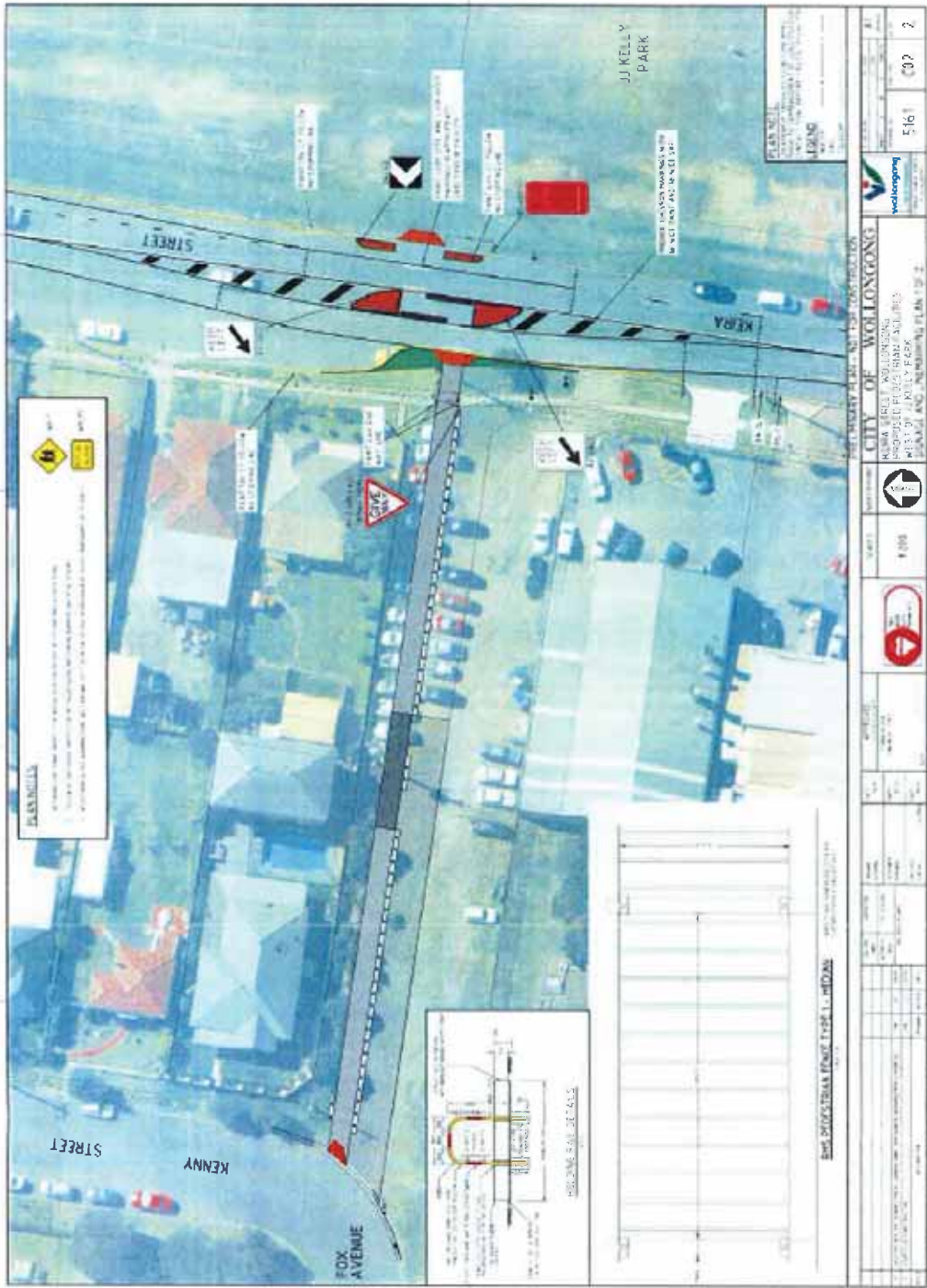
DETAIL 'B'
SPEED LIMIT

Based on TEP's 576 78

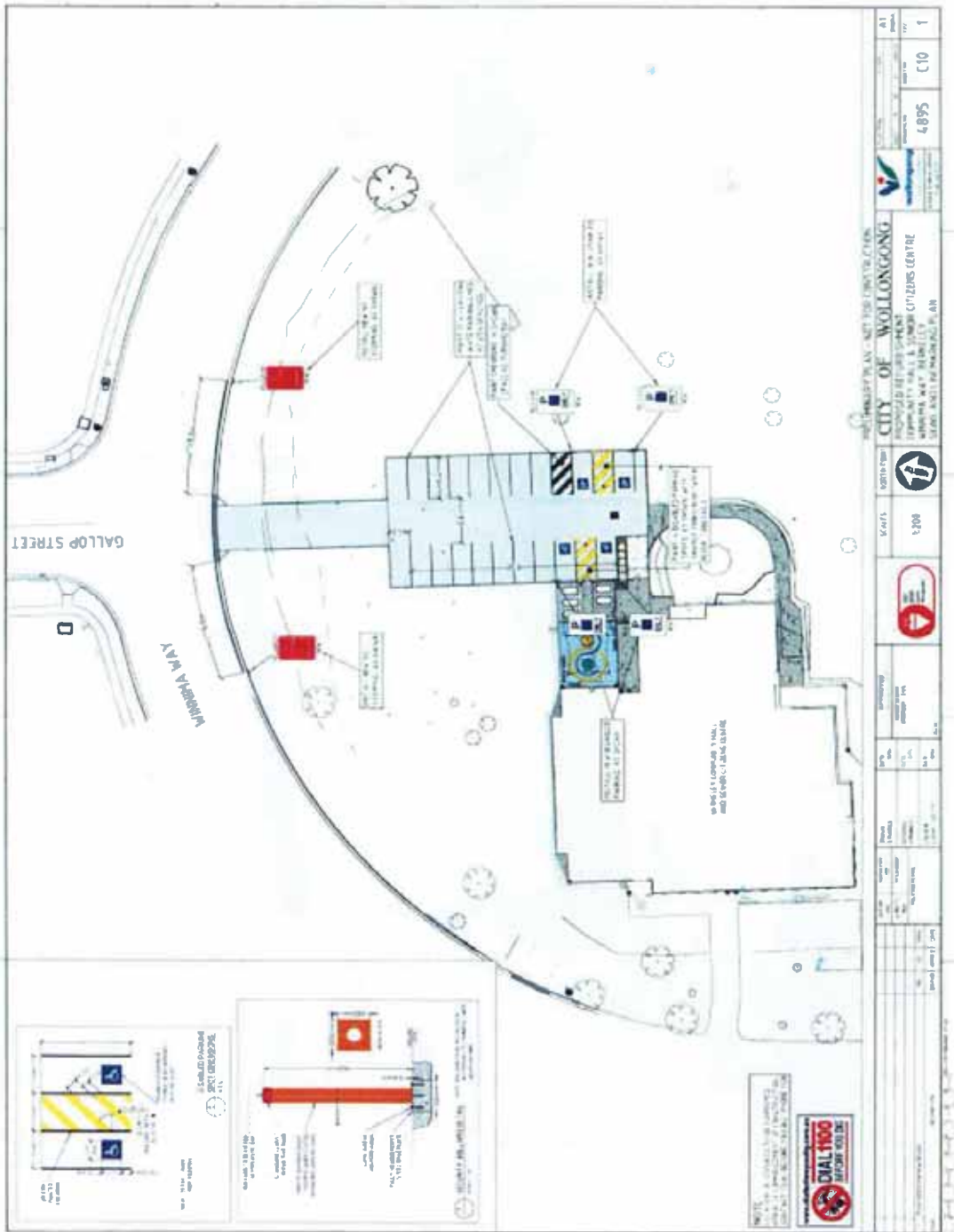




Attachment 13 – Keira Street Refuge Pedestrian Facility



Attachment 15 – Winnima Way Berkeley





INTERSECTION UPGRADE AT BONG BONG ROAD AND GLENLEE DRIVE CIVIL ENGINEERING DESIGN

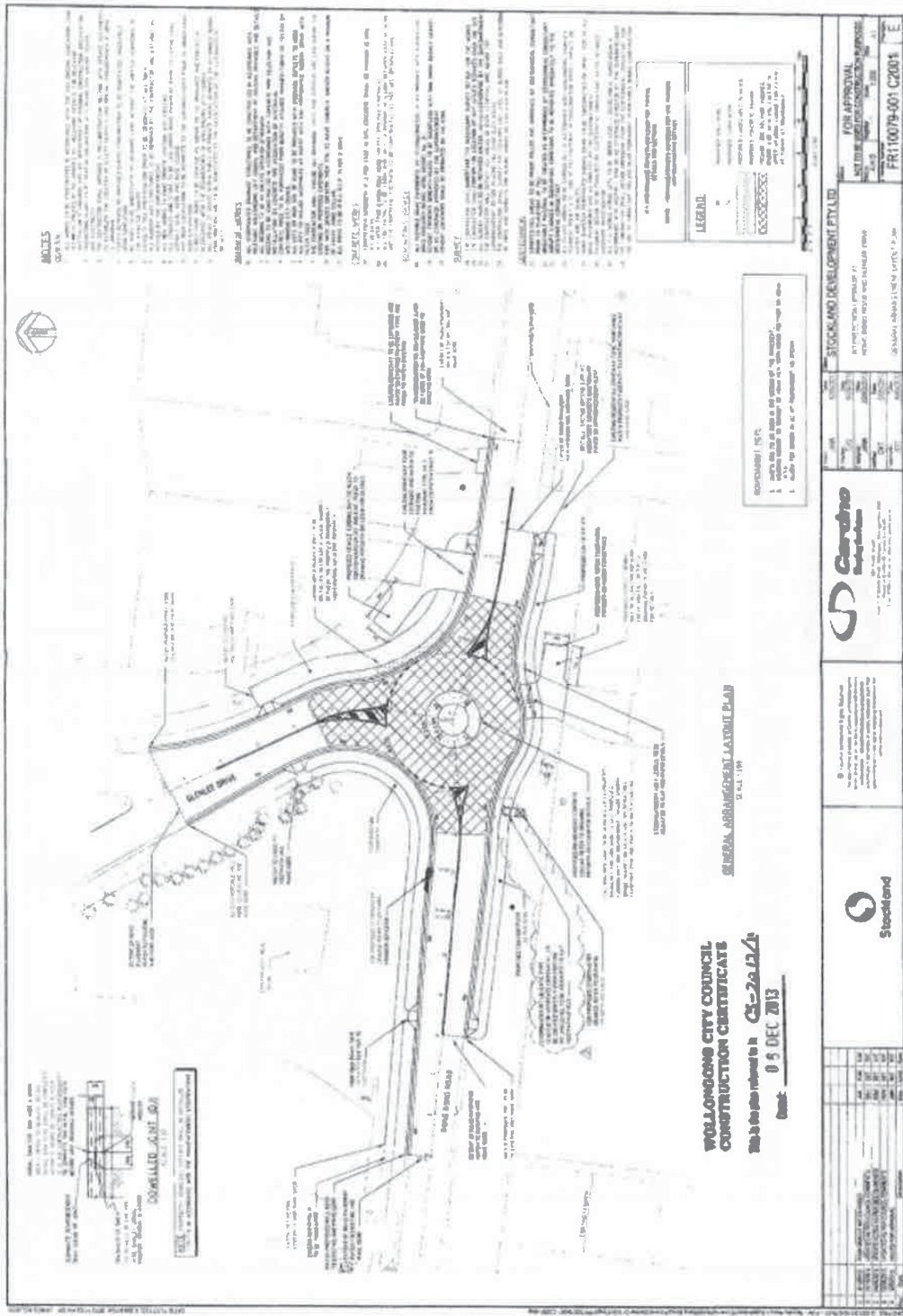


LOCALITY PLAN
DATE: 1/1/13

DRAWING SCHEDULE	
FR110079-011	COVER SHEET AND INDEX PLAN
FR110079-012	PROPOSED SITE PLAN
FR110079-013	PROPOSED SITE LAYOUT PLAN
FR110079-014	PROPOSED SITE LAYOUT PLAN
FR110079-015	PROPOSED SITE LAYOUT PLAN
FR110079-016	PROPOSED SITE LAYOUT PLAN
FR110079-017	PROPOSED SITE LAYOUT PLAN
FR110079-018	PROPOSED SITE LAYOUT PLAN
FR110079-019	PROPOSED SITE LAYOUT PLAN
FR110079-020	PROPOSED SITE LAYOUT PLAN
FR110079-021	PROPOSED SITE LAYOUT PLAN
FR110079-022	PROPOSED SITE LAYOUT PLAN
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FR110079-099	PROPOSED SITE LAYOUT PLAN
FR110079-100	PROPOSED SITE LAYOUT PLAN

WOLLONGONG CITY COUNCIL
CONSTRUCTION CERTIFICATES
This is the plan referred to as **05-21424**
dated: **05 DEC 2013**

				FOR APPROVAL DATE: 11/12/13 BY: [Signature] FR110079-001 C2000 A	
LOCALITY PLAN DATE: 1/1/13		STOCKLAND DEVELOPMENT PTY LTD 10/10/13		10/10/13	



NOTES

1. THIS PLAN IS A GENERAL ARRANGEMENT PLAN AND IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE CITY ENGINEER.

2. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

3. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

4. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

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7. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

8. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

9. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

10. THE DESIGNER HAS ASSUMED THAT ALL ROADWAYS ARE TO BE CONSTRUCTED TO THE STANDARDS SPECIFIED IN THE CITY OF WOLLONGONG ROADWAY DESIGN MANUAL.

SUBJECT

GENERAL ARRANGEMENT PLAN FOR THE INTERSECTION OF GARDNER DRIVE AND BROADWAY, WOLLONGONG.

SCALE 1:100

DATE 05 DEC 2013

DESIGNED BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

LEGEND

TRAFFIC SIGN

TRAFFIC MARKING

TRAFFIC SIGN

TRAFFIC MARKING

TRAFFIC SIGN

TRAFFIC MARKING

TRAFFIC SIGN

TRAFFIC MARKING

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TRAFFIC MARKING

GENERAL ARRANGEMENT PLAN

SCALE 1:100

WOLLONGONG CITY COUNCIL
CONSTRUCTION COMMUNICATIONS

Revised to be referred to in CS-20/13/4
dated 05 DEC 2013

City of Wollongong
City Engineer

FOR APPROVAL

CITY OF WOLLONGONG
CITY ENGINEER

DATE: [] / [] / []

PROJECT NO: []

PRJ10079-001-C2001

STOCKLAND DEVELOPMENT PTY LTD

STOCKLAND DEVELOPMENT PTY LTD
1000 BROADWAY, WOLLONGONG NSW 2520

STOCKLAND



MITIGATION DRAINAGE LAYOUT PLAN
SCALE 1:500

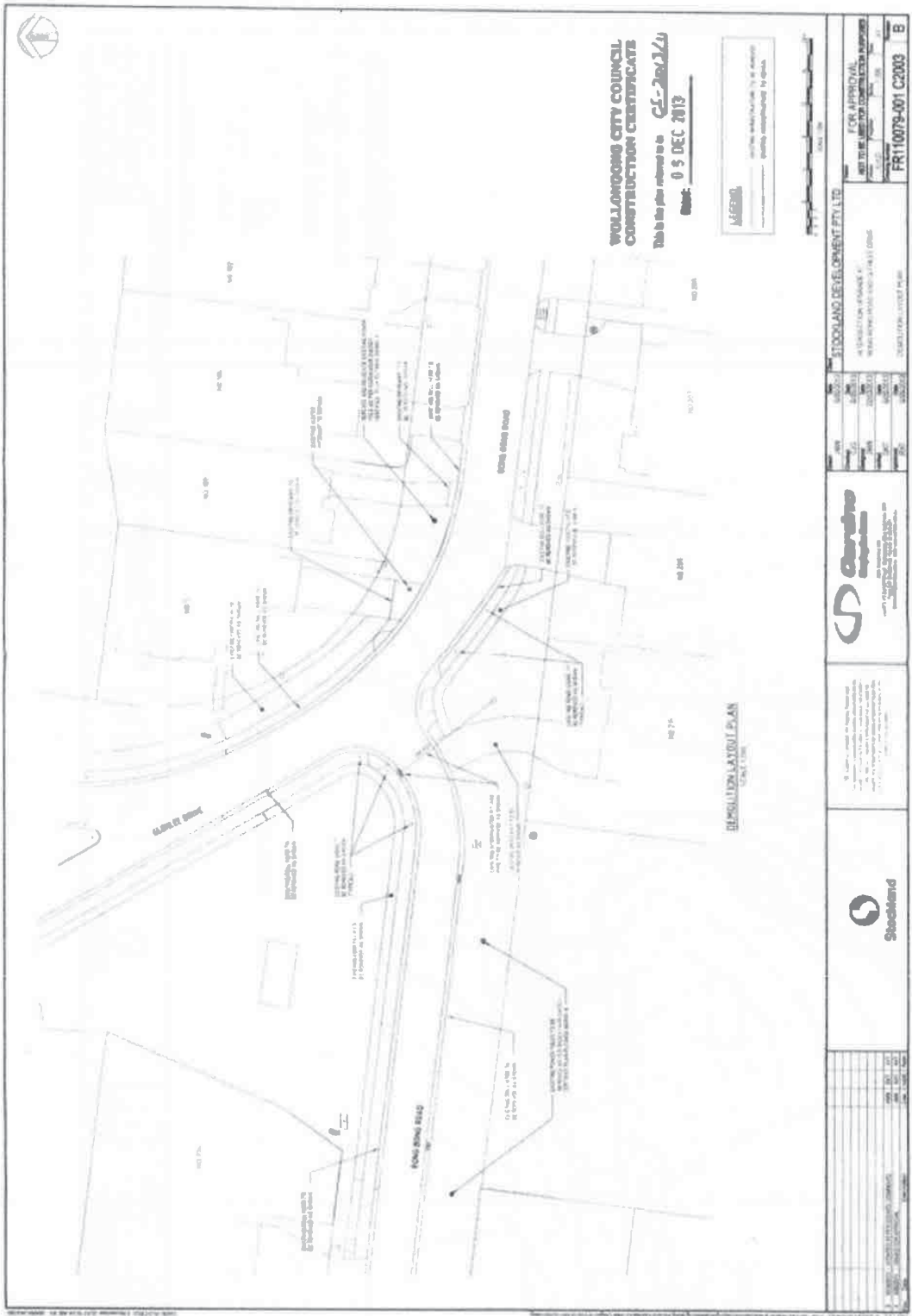
WOLLONGONG CITY COUNCIL
CONSTRUCTION CERTIFICATE
This is the plan referred to in CF-2013/14
Dated: 05 DEC 2013

LEGEND

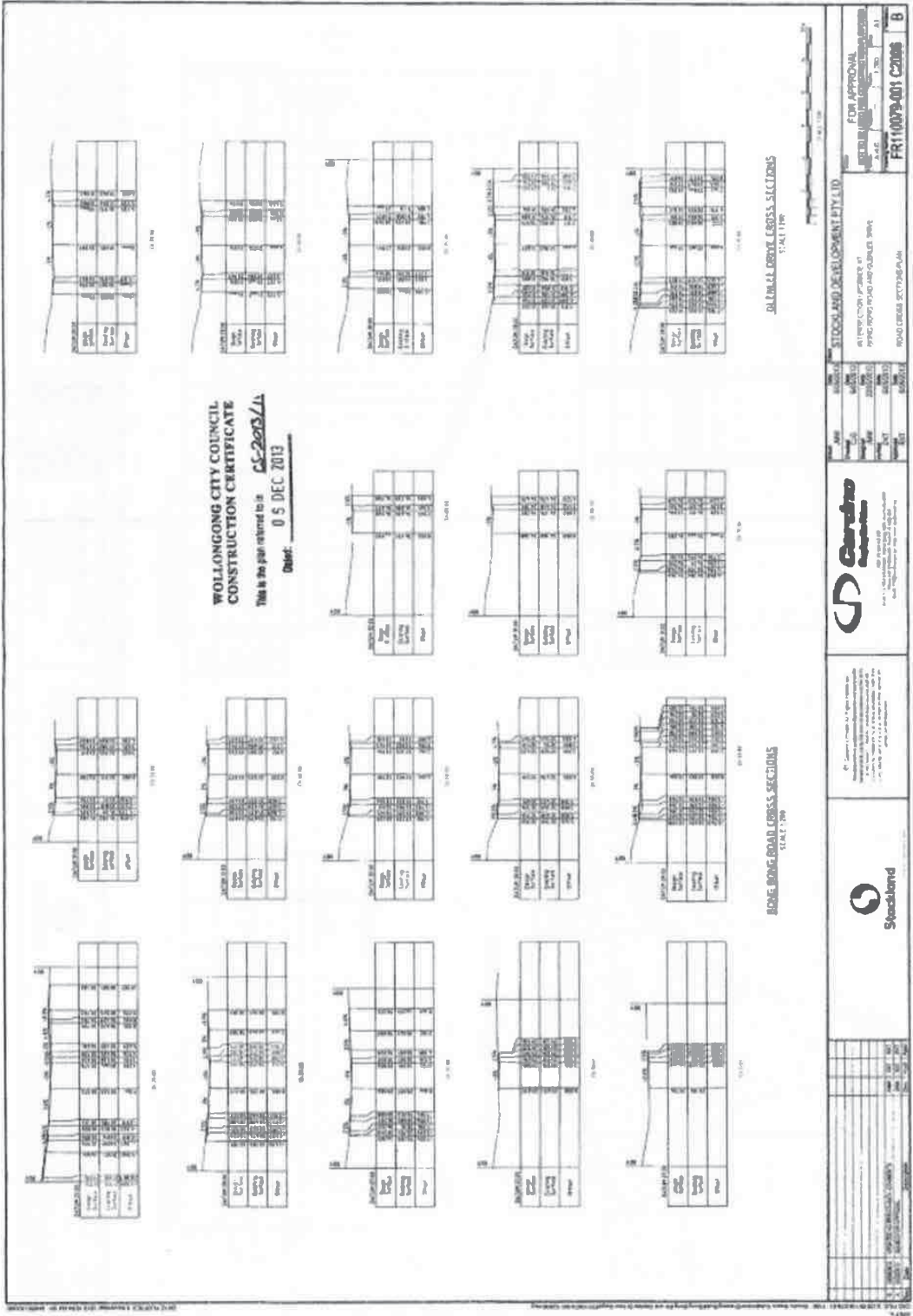
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---	EXISTING
---	ADJACENT PROPERTIES

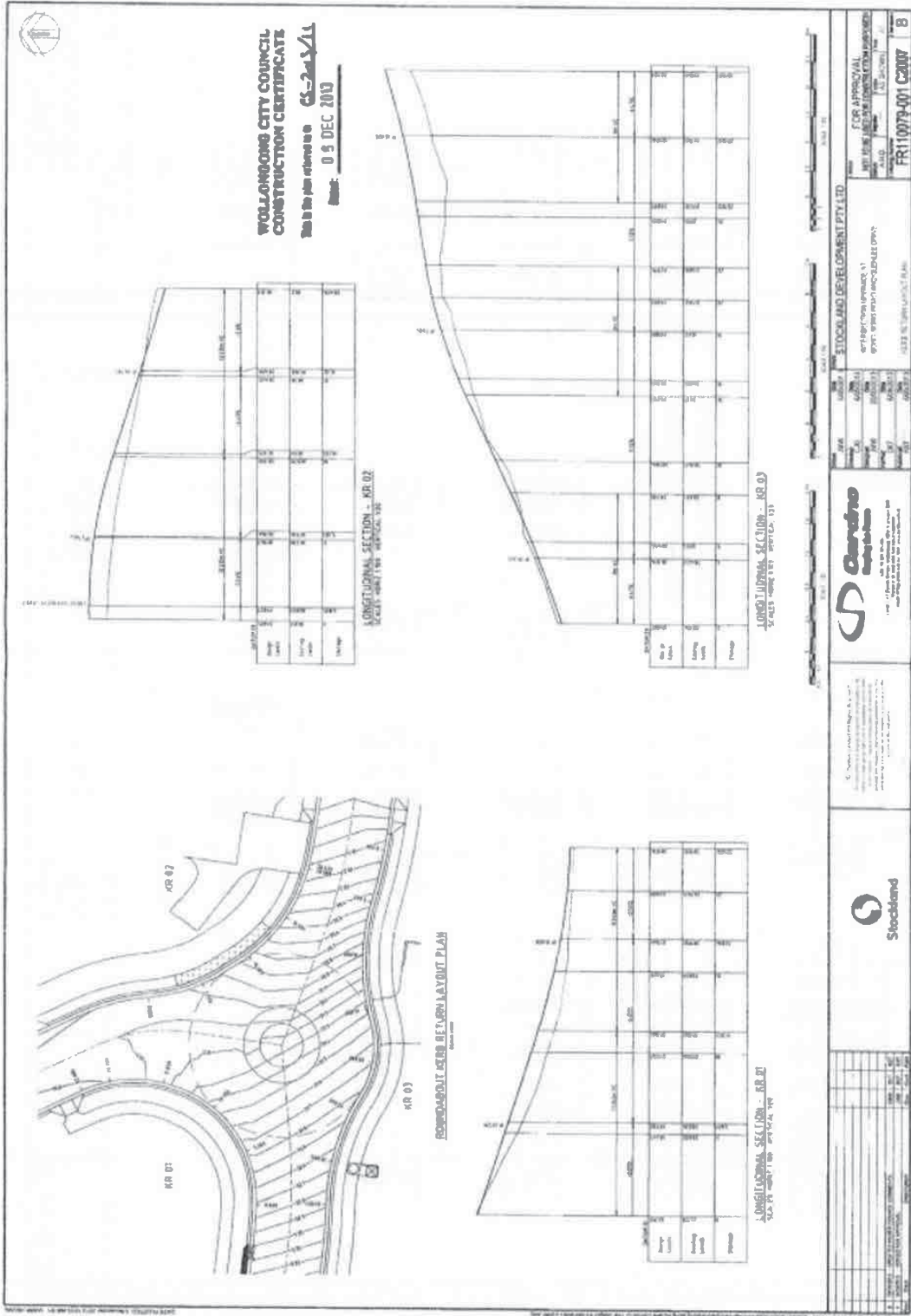
<p>Stockland 100 Pitt Street, Sydney NSW 2000 02 9550 4600 www.stockland.com.au</p>	<p>Carboplane 100 Pitt Street, Sydney NSW 2000 02 9550 4600 www.carboplane.com.au</p>	<p>STOCKLAND DEVELOPMENT PTY LTD 100 Pitt Street, Sydney NSW 2000 02 9550 4600 www.stockland.com.au</p>	<p>FOR APPROVAL WOLLONGONG CITY COUNCIL FR110079-001 C2002</p>

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WOLLONGONG CITY COUNCIL
CONSTRUCTION CERTIFICATE
 This is the plan referred to in **CC-2013/14**
Dated: 05 DEC 2013






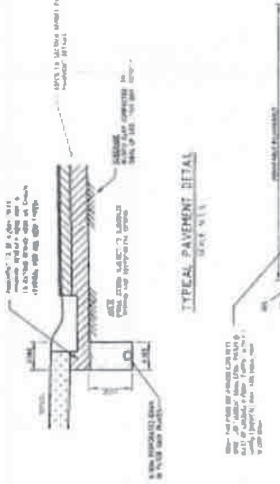
**WOLLONGONG CITY COUNCIL
CONSTRUCTION CERTIFICATE**

This is the job referred to as **05-2014**.


Date: **05 DEC 2013**




TYPICAL STREET RAMP DETAIL
SCALE 1:50



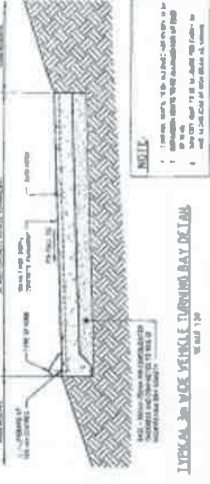
TYPICAL PAVEMENT DETAIL
SCALE 1:10



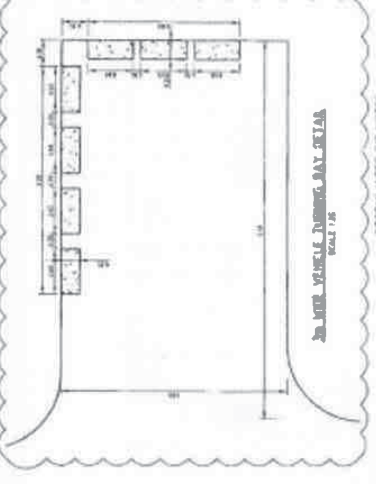
TYPICAL FOOTPATH DETAIL
SCALE 1:5



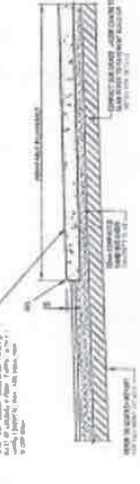
TYPICAL OXIDANT DETAIL
SCALE 1:5



TYPICAL VEHICLE TURNING BAY DETAIL
SCALE 1:5



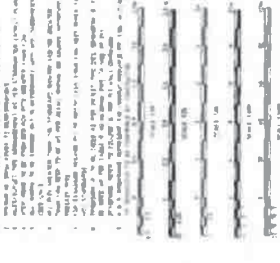
TYPICAL STORMWATER PIT DETAIL
SCALE 1:5



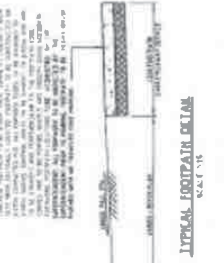
TYPICAL ROUNDABOUT CABLE ISLAND DETAIL
SCALE 1:10

NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WOLLONGONG STANDARD SPECIFICATIONS FOR ROADWORK.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WOLLONGONG STANDARD SPECIFICATIONS FOR ROADWORK.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WOLLONGONG STANDARD SPECIFICATIONS FOR ROADWORK.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WOLLONGONG STANDARD SPECIFICATIONS FOR ROADWORK.




STOCKWATER PIT DETAIL
SCALE 1:5



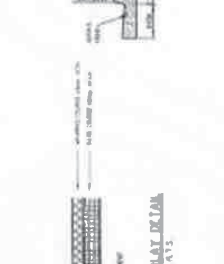
TYPICAL FOOTPATH DETAIL
SCALE 1:5

STOCKWATER PIT NOTES:

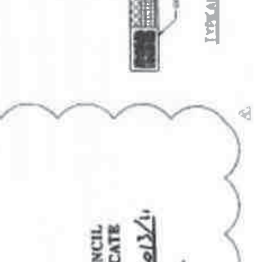
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WOLLONGONG STANDARD SPECIFICATIONS FOR ROADWORK.
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4. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WOLLONGONG STANDARD SPECIFICATIONS FOR ROADWORK.




STOCKWATER PIT DETAIL
SCALE 1:5



TYPICAL FOOTPATH DETAIL
SCALE 1:5

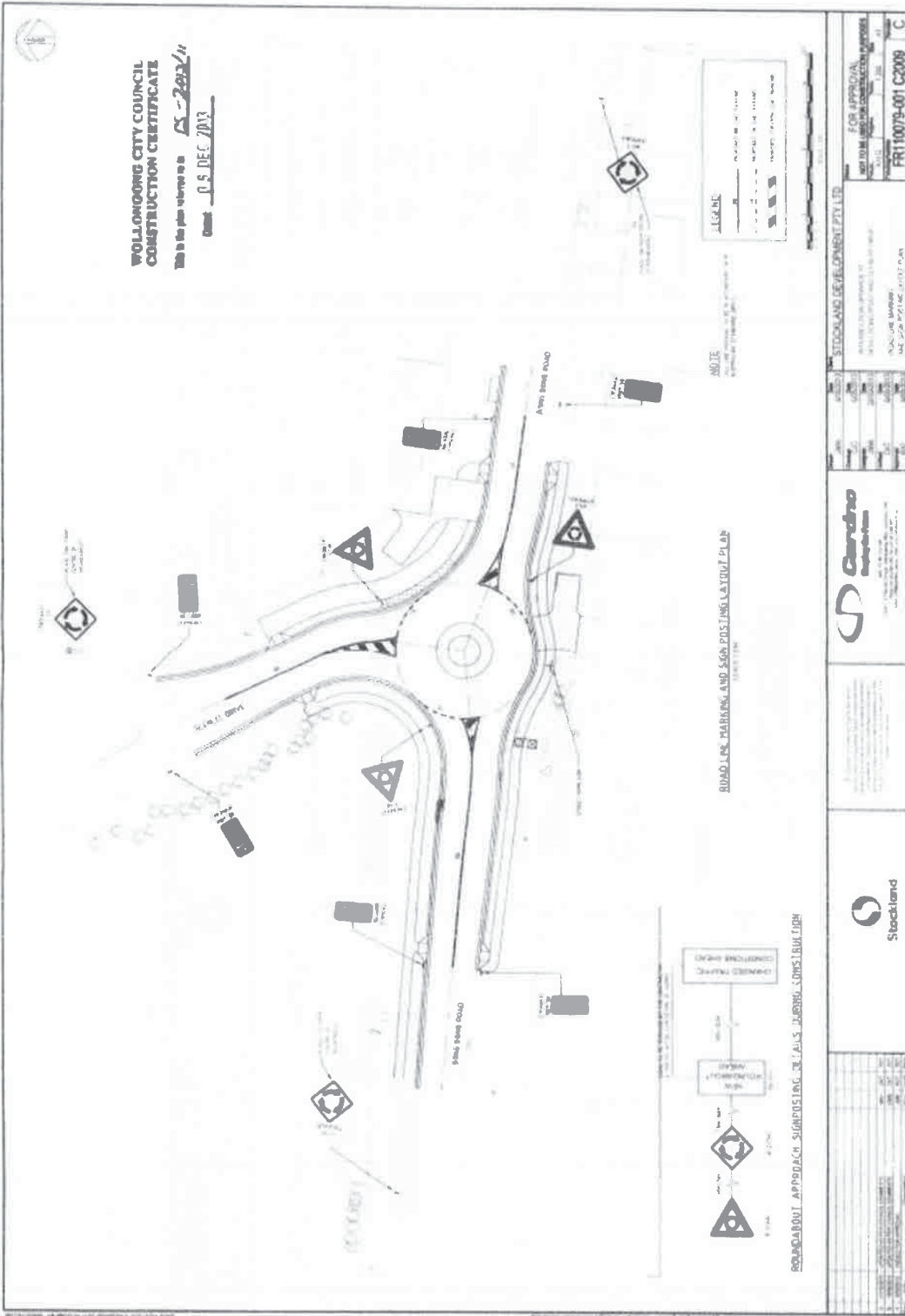


STOCKWATER PIT DETAIL
SCALE 1:5



TYPICAL FOOTPATH DETAIL
SCALE 1:5

FR11079-001 C2008	C	FR11079-001 C2008	C	FR11079-001 C2008	C	FR11079-001 C2008





WOLLONGONG CITY COUNCIL CONSTRUCTION CERTIFICATE

This is the plan referred to in **Section 224**

dated **08 DEC 2013**

- NOTES**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AS SHOWN" UNLESS OTHERWISE SPECIFIED.
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AS SHOWN" UNLESS OTHERWISE SPECIFIED.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AS SHOWN" UNLESS OTHERWISE SPECIFIED.
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AS SHOWN" UNLESS OTHERWISE SPECIFIED.
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AS SHOWN" UNLESS OTHERWISE SPECIFIED.

LEGEND

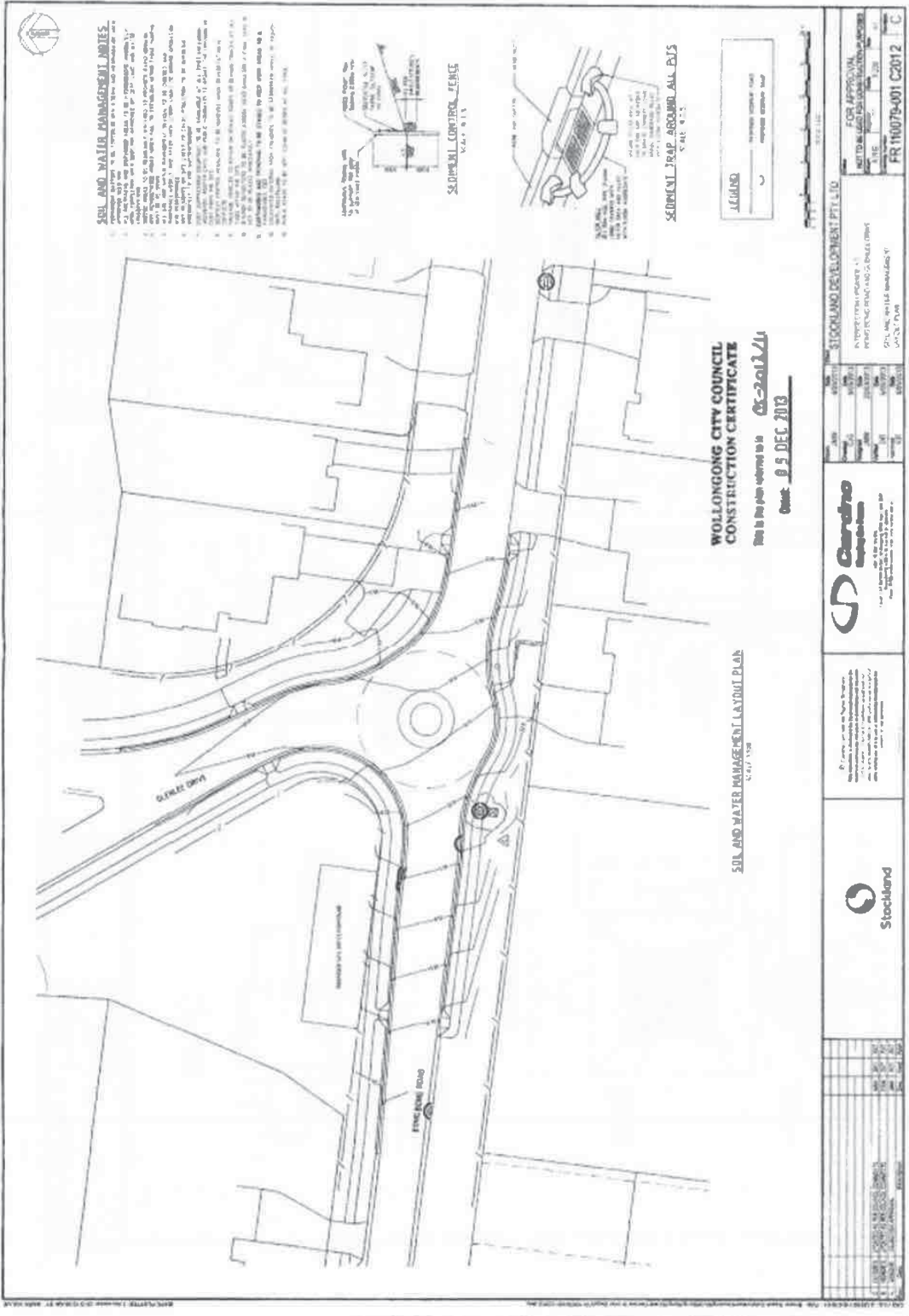
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Symbol	Description
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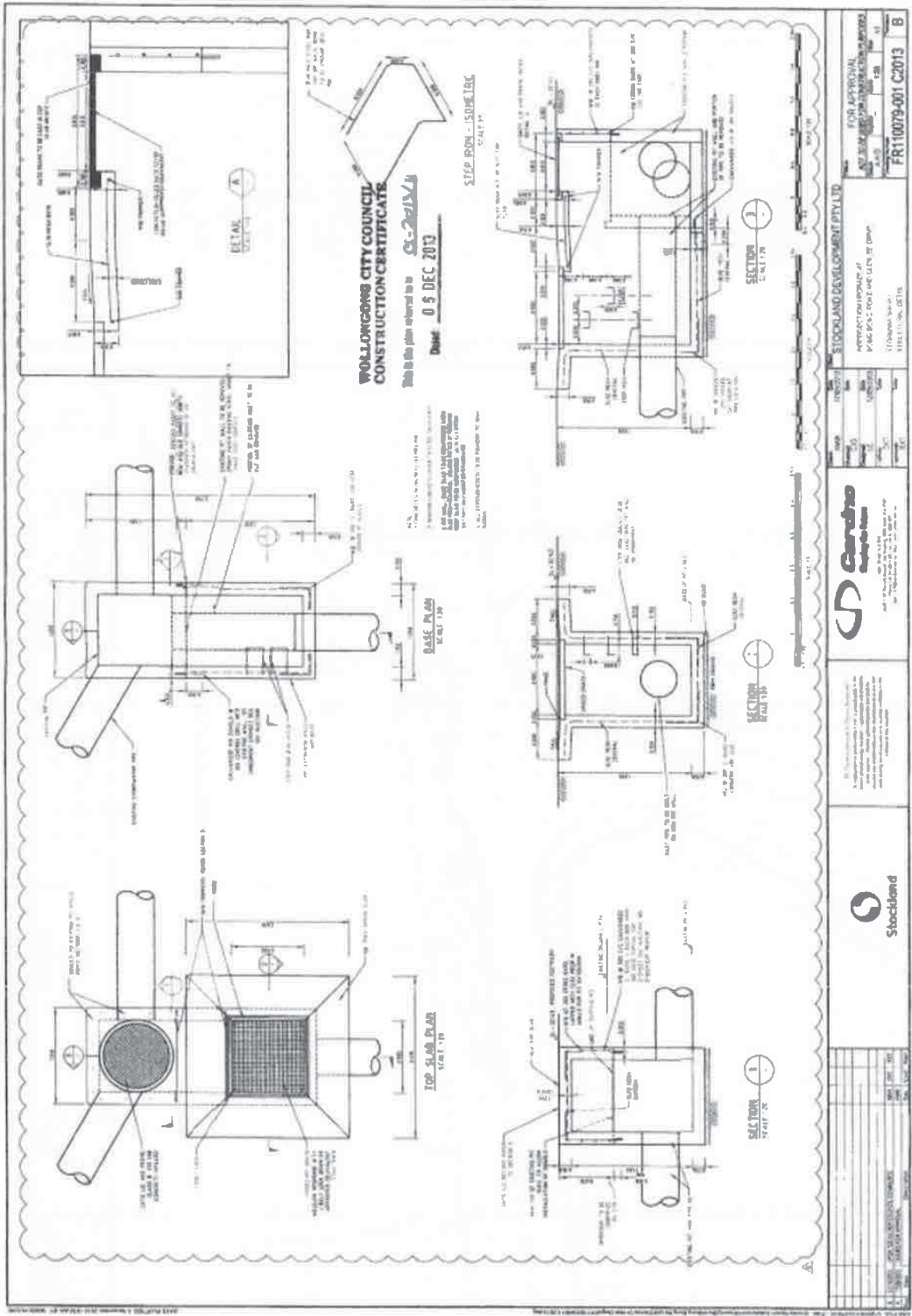
Scale	1:100
Date	08 DEC 2013
Project No.	FR110079-001 C2011 C



EXISTING SERVICES LAYOUT PLAN
SCALE 1:100

<p>Stockland</p>	<p>Gardner & Theobald</p>	<p>HIGHLAND DEVELOPMENT PTY LTD</p> <p>100/102 HIGHLAND AVENUE WOLLONGONG NSW 2520</p>	<p>FOR APPROVAL</p> <p>FOR CONSTRUCTION WORKS</p>
		<p>DATE: 08 DEC 2013</p> <p>SCALE: 1:100</p> <p>PROJECT NO: FR110079-001 C2011 C</p>	<p>DATE: 08 DEC 2013</p> <p>SCALE: 1:100</p> <p>PROJECT NO: FR110079-001 C2011 C</p>







**WOLLONGONG CITY COUNCIL
CONSTRUCTION CERTIFICATE**

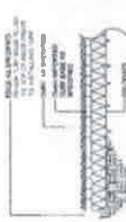
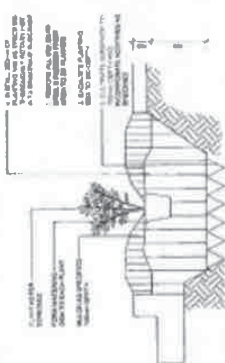
This is the plan referred to as **CC-2 of 3/11**
 Date: **05 DEC 2013**

PLANT SCHEDULE

Item No.	Plant Name	Quantity	Notes
1
2

SPECIFICATION NOTES

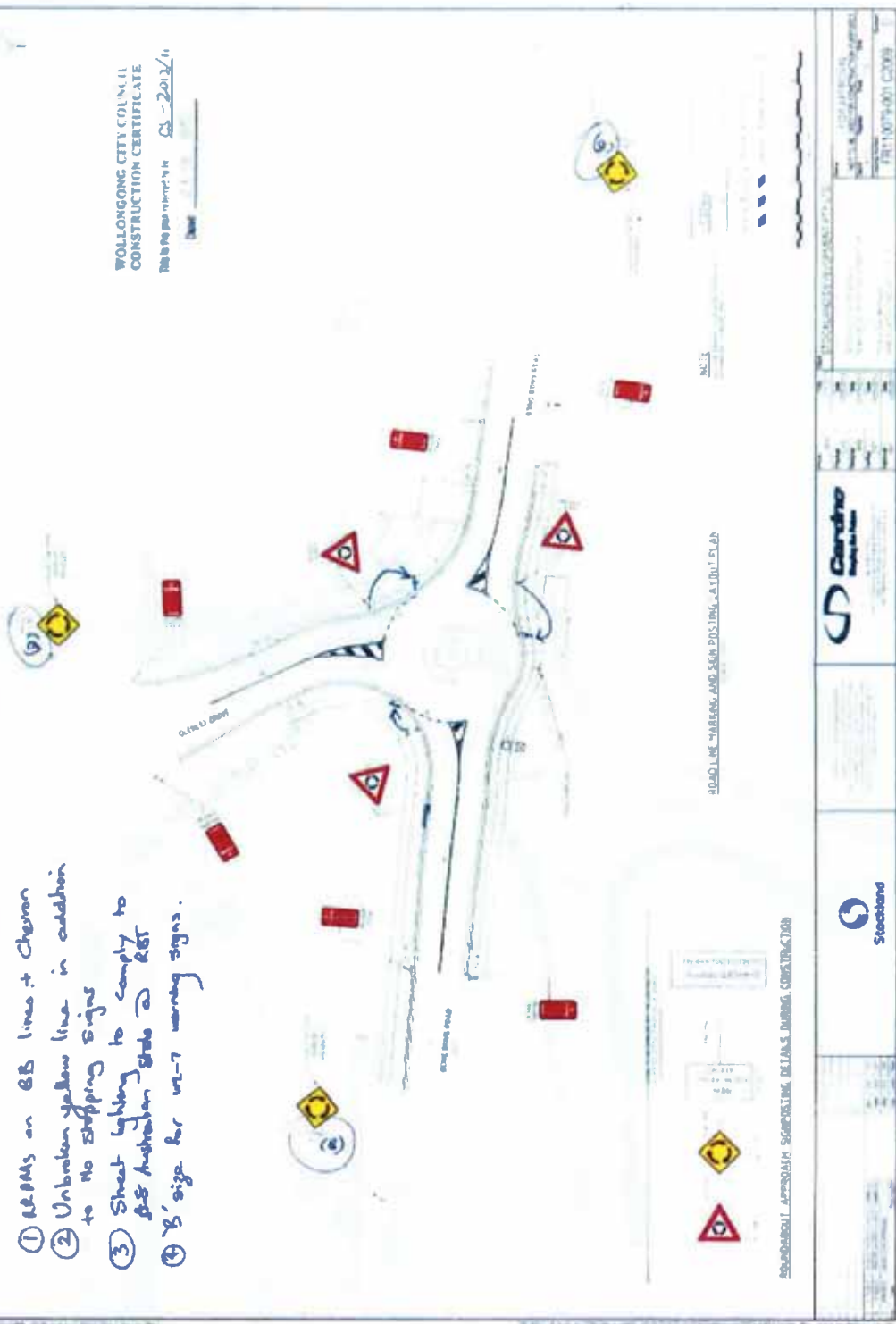
- SPECIES:** All species to be supplied by the contractor. The contractor shall be responsible for the selection of species and for ensuring that the species are suitable for the site conditions. The contractor shall also be responsible for ensuring that the species are suitable for the site conditions.
- PLANTING HOLE LAYOUT:** All planting holes to be 1.5m x 1.5m x 0.6m deep. The contractor shall be responsible for ensuring that the planting holes are suitable for the site conditions.
- SOIL:** The contractor shall be responsible for ensuring that the soil is suitable for the site conditions. The contractor shall also be responsible for ensuring that the soil is suitable for the site conditions.
- ROOT PRUNING:** All trees to be planted shall have their roots pruned to a depth of 1.5m. The contractor shall be responsible for ensuring that the roots are pruned to a depth of 1.5m.
- APPLICATOR:** All trees to be planted shall be treated with a systemic insecticide. The contractor shall be responsible for ensuring that the trees are treated with a systemic insecticide.



- ① REAMS on BS lines + Chevron
- ② Unbroken yellow line in addition to No stopping signs
- ③ Street lighting to comply to AS Australian Standards & RST
- ④ 8' size for W-7 warning signs.

WOLLONGONG CITY COUNCIL
CONSTRUCTION CERTIFICATE

This is the plan referred to in CS-2013/11



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Attachment 17 - Horsley

Parkdale Avenue and Bong Bong Road Horsley – Pedestrian Facility

