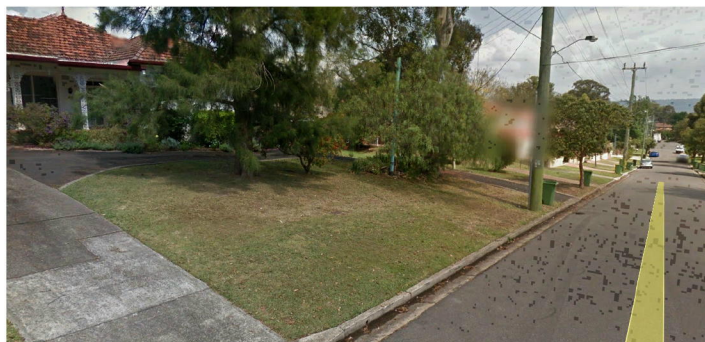


# CONSTRUCTION/TRAFFIC MANAGEMENT REPORT



**LOCATION:** 20 Robert Street, Penrith NSW 2750.

**PROJECT:** Construction of a Residential Flat Building containing 20 Units, associated site and landscaping works.

**DATE:** 07.09.2018

**CLIENT:** R20 Pty Ltd, Penrith Robert Pty Ltd, Miaz Group Pty Ltd.

**MUNICIPALITY:** Penrith City Council.

**VERSION:** 1.1

**AUTHOR:** Dennis Dandolo

**PREPARE A WORK ZONE TRAFFIC MANAGEMENT PLAN**

**LICENCE #:** 0028376586

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***The overall principles for traffic management during excavation and construction phases are but not limited to:***

1. Provide a convenient and appropriate environment for pedestrians.
2. Minimise effects on pedestrian movements and amenity.
3. Manage and control vehicular movements to and from the site.
4. Maintain existing on street parking in the vicinity of the site where practical.
5. Maintain access to any other properties adjacent to the site.
6. Restrict vehicle activity to designated truck routes in the vicinity of the site.
7. Maintain safety for workers.
8. Maintain appropriate access to the site for excavation and construction traffic.
9. Manage and control vehicle activity in the vicinity of the site.

## 2. SITE DETAILS

### a. Introduction/Implementation

Construction of a Residential Flat Building containing 20 Units, associated site and landscaping works. The subject site is located on the southern side of Robert Street between King Street and Lemon Grove Road. The site occupies an area of approximately 1,500m<sup>2</sup>. Vehicular access to the site is via the existing driveways on Robert Street. Robert Street is a 2 way street with parking permitted on both sides of the road and has a road width of approximately 6.5m.



The Traffic Control Plans that are included in this report, should be implemented taking due account of on- site conditions as will occur over the construction period. Accordingly, construction crew are expected to respond in a pro-active manner to ensure that the plans are implemented to maximum effect and with no obvious safety issues being overlooked. In particular, the following matters are considered noteworthy;

- a. All signs to be placed where clear visibility is available.
- b. Installations should be checked intermittently during the course of the day/s.
- c. A certified Traffic Controller should be on site at all times to supervise truck egress movements.

#### *Other Ameliorating Measures*

The entire frontage of the site will be fenced off with temporary fencing for security and safety in accordance with Workcover requirements.

All statutory safety and warning signs to be erected and maintained at all times.

No machinery or material will be stored on the footpath or verges or on public areas.

Pedestrians will be advised to watch their step and on days of truck movements across the construction site driveway.

The loading/unloading of materials will either occur on site or in a works zone with a traffic control plan.

It is noted that SAFEWAYTMS is responsible for the preparation of the CTMP only and not for its implementation, which is the responsibility of the project manager/builder.

#### **b. Work Hours**

Please refer to the development application for work hours associated with this site.

## Construction/Works Zone

All construction deliveries etc shall take place from within the site wherever possible during all stages of the development. However it is possible to have a construction/works zone external to the work site on Robert Street managed by certified traffic controllers if required. If loading and unloading of materials are to be undertaken from the street on a daily basis then a work zone shall be made by application to the council prior to the commencement of works. Occasional on street site deliveries should be managed by a safe work method statement in regards to public safety. A Traffic Control Plan may also be required for these activities. Furthermore the use of construction plant in the road reserve eg, concrete trucks and pumps shall require a standing plant application from the council. Construction vehicle arrivals will be staged as to not impact on local traffic routes. *(Please refer to TCP's 20 Robert Street, Penrith)*

### **c. Worksite Access**

Access to work site via the existing driveways on Robert Street. All trucks will enter and exit the site in a forward motion only. No reversing into site at all times unless under the guidance of certified traffic controllers. *(Please refer to TCP's 20 Robert Street, Penrith)*

### **d. Loading & unloading of materials on site**

Loading and unloading of material and equipment (large or small) will be done within the boundaries of the property wherever possible. However, where it is not practical to load, unload or undertake specific activities on the site during construction, the provision of a 'Works Zone' external to the site may be approved by Council following an application being submitted to Councils Traffic Unit outlining the proposal for the work zone. If a 'Works Zone' is to be utilised all existing other parking zones outside this Works zone will be retained in their entirety during the works and shall not allow for construction vehicles to queue or stand in these zones. Trucks entering or using the Works zone shall pull in their side mirrors and park as close to the kerb as possible. Authorised traffic controllers may also be required for major deliveries to ensure motorists and pedestrian safety. There will be an allocating area for storage onsite. *(Please refer to TCP's 20 Robert Street, Penrith)*

### **e. Spoil Containment & Sediment control**

Quality control/site personnel will be present during the excavation/demolition stage. They will ensure that all trucks and vehicles leaving the site do so in a clean and safe manner. All vehicles involved in excavation and construction process and departing the property with materials, spoil or loose matter must have their loads fully covered before entering the public roadway. It is an offence to allow, permit or cause materials to pollute or be placed in a position from which they may pollute waters. Sweeping and maintenance of the road and footpath will also be done to ensure no spoil or materials leave the site. Sand bags will be installed near drains to control spoilage near the development site. Waste bins will be inside the work site, there will be no encroachment on footpaths or any other boundaries. The public way must not be obstructed by any materials, vehicles, refuse, skips or the like, under any circumstances. Non-compliance with this requirement may result in the issue of a notice by the council to stop **all** work on site.

**f. Site Shed & Toilets**

Site sheds and toilet will be located within the property boundaries. No machinery, materials or skip bins will be stored on the footpath or verges or on public areas.

***(Please refer to TCP- 20 Robert Street, Penrith) (Site Plan)***

### 3. IMPACT OF WORKS

**a. Public Car Parking**

The impact on local parking will be minimal, Public parking will not be affected during the construction phase. Existing residential driveways and access points along Robert Street are to be maintained throughout the project. Surrounding property owners will therefore have limited to no impact due to this project as all existing vehicular and pedestrian access are to be maintained throughout all phases.

**The following will also be implemented to achieve this:**

- The loading/unloading of materials will either occur on site or in the work zone with a traffic control plan.

- Certified Traffic controllers will be made available for all major truck movements and deliveries, closing off the footpath and re opening when deemed safe to do so.
- Labourers where possible will car pool to and from the site each day.

### **b. Worker's/Tradesperson's parking**

There will some-site parking available for workers during some phases of construction however it is encouraged for all tradesmen to car share or use public transport when possible so the impact on surrounding streets is kept to a minimal. All car parking offsite by the construction workers will be in legal parking areas and not on the verges or footpaths.

### **c. Pedestrians**

Ensuring the safety of pedestrians, the services of a traffic control company will be used when required, particularly during stages of construction that creates frequent truck movements of materials to and from the work site. Otherwise pedestrians will be made aware of construction works with signage throughout the work area and pedestrian walkways. Temporary Fencing will be installed at the front of the site, for pedestrian safety and to prevent public access to the site. When vehicles require access, pedestrians may be held for very short periods of time as trucks enter and exit the site to minimise delay for vehicles to the street.

Pedestrians will be managed by qualified traffic controllers when required so that they will not conflict with construction vehicles accessing the site to maximise pedestrian safety. As a result, additional delays to pedestrians around the site will be minimal.

Below are examples of pedestrian signage that may be used around the work site;



The following are scenarios on how pedestrian traffic shall be managed:

#### **Scenario 1 Pedestrians (Work on or obstruction to Footpath):**

Traffic Control of pedestrians will be adopted in either direction when works are being carried out on the whole footpath. Traffic Controllers may also be made available to facilitate the safe passage of pedestrians and motorists as trucks enter/exit the worksite during peak construction periods.

**Scenario 2 Stand Plant (Concrete truck and pump):**

If a concrete truck and pump needs to occupy the street in the kerb parking lane directly in front of the site (Works Zone) suitable pedestrian ramps will be made available over any concrete pump lines which lie on the footpath and impact on pedestrian access. Thus ensuring pedestrian safety and access at all times. This will cause minimal if no pedestrian interruption.

**Scenario 3 Stand Plant (Crane Lifts)**

If a crane is occupying the street in front of the premises certified traffic controller's will be allocated to facilitate the safety of motorists and pedestrian traffic throughout the duration of the works. Pedestrian management will be but not limited to; assisted diversion of pedestrians to the other side of the road pending the crane operators risk assessment or be stopped briefly in either direction by certified traffic controllers whilst a lift is in progress and allowed to pass when deemed safe to do so.

**d. Public Transport Services**

Public Transport Services will be advised of the works as required. Will not affect the development. There will be no interruption to bus services or bus stops.

**e. Public Schools**

There are no schools is in close proximity to the work site however drivers will be aware that due to the site being in a residential area the probabilities of pedestrian activity including that of children may occur.



**f. Emergency Services**

Emergency Services will be advised of the works as required. Access MUST be available for Emergency Services at all times within the vicinity of the work site.

**g. Local Residents**

Any residents affected by the construction works will be notified by way of letterbox drop two weeks prior to any major Concrete pours etc as required. The Site manager shall give nearby resident's reasonable notice of any planned works that may adversely affect traffic.

**h. Noise**

Plant operators should be made aware of their responsibilities in creating excess noise. If there are any noise complaints from neighbouring businesses steps should be taken by the Site Manager to reduce noise output or change the methodology creating the noise. Noise generation is expected to peak around 90db (at 8 metres).

## 4. TRUCK DETAILS & MOVEMENTS

a. Truck Sizes/ Type

<u>Stages</u>	<u>Vehicle Type</u>	<u>Size/Dimensions</u>
<i>Preliminary, Works</i>	Small Rigid, Tippers	SRV= Vehicle-load capacity of 4 tonnes, typically single rear axle, are 6.4 metres long. MRV= Vehicle load capacity of 8 tonnes, typically single rear axle dual tyres, are 8.8 metres long.
<i>Construction Phase</i>	Concreting Trucks Small & Medium Rigid Vehicles	SRV= Vehicle-load capacity of 4 tonnes, typically single rear axle, are 6.4 metres long. MRV= Vehicle load capacity of 8 tonnes, typically single rear axle dual tyres, are 8.8

		metres long.
<i>Fitout</i>	Standard Trucks Small & Medium Rigid Vehicles	SRV= Vehicle-load capacity of 4 tonnes, typically single rear axle, are 6.4 metres long. MRV= Vehicle load capacity of 8 tonnes, typically single rear axle dual tyres, are 8.8 metres long.
<i>Finishing Works</i>	Standard Truck Small Rigid	SRV= Vehicle-load capacity of 4 tonnes, typically single rear axle, are 6.4 metres long. Utility

#### b. Truck Movements

Construction works including major deliveries and concrete pumping should be undertaken outside of peak traffic times wherever possible to minimise the impact and disruption of traffic flow on the surrounding roads. Drivers of vehicles are responsible for driving safely in accordance with the road rules, exercising care and due diligence in and around the work site. Vehicles will enter and exit the work site in a forward motion only. However due to unforeseen circumstance if a vehicle needs to reverse in or out of the work site they are subject to conditions outlined in section 7.1 of the RMS Traffic Controls at Work Site Manual “Responsibilities for Drivers”.

Furthermore, due care should be taken by the drivers and other workers. As a safety management initiative a Certified Traffic Controller should be made available on reversing procedures to facilitate the safe passage of motorists, cyclists and pedestrians along the frontages of the work site.

***Please refer to Appendixes VMP for a description of truck movements to and from site.***



## 5. STAKEHOLDERS

R20 Pty Ltd, Penrith Robert Pty Ltd, Miaz Group Pty Ltd

Contact Person: Tony Isaac

Mobile: 0411 540 302

email: [tony@ichomes.com.au](mailto:tony@ichomes.com.au)

## 6. APPENDIXES

- a. Traffic Management Plan- TC- 20 Robert Street (Penrith) (Deliveries)

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 P: 1800 987 891  
 F: (02) 9823 0494  
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 E: dennis.dandolo@safewaytms.com.au  
 W: www.safewaytms.com.au

Location : 20 Robert Street, Penrith.  
 Company : R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.  
 Council : Penrith City.  
 TCP Endorsed By : Dennis Dandolo  
 Prepare a Work Zone TMP # 0028376586  
 Expiry Date : 01.02.2019

UBD Reference# : 163/M8  
 Scale : NTS  
 Revision : 1.0  
 Prepared Date : 07.09.2018  
 TCP Author : Dennis Dandolo  
 Prepare a Work Zone TMP # 0028376586  
 Expiry Date : 01.02.2019

Signature :

Signature :

Filename :

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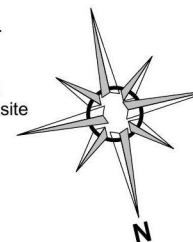
Sign Spacing's	
Estimated speed of Traffic (D)	Dimension Range
40km	0-5m
50km	15-50m
60km	45-60m
70km	70m
80km	80m
90km	90m
100km	100m

1. SCOPE OF WORKS  
 Construction of a Residential Flat Building containing 20 Units, associated site and landscaping works.

2. TRAFFIC MANAGEMENT LOGISTICS  
 Certified Traffic Controllers will assist with truck arrivals and departures as required. Pedestrian and cyclists safety will be a priority at all times.

3. SCHEDULE OF WORKS  
 TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.

4. COMPLIANCE  
 When installed as per the plan, signage will be in accordance with Australian Standards as 1742.3, 2009, and Traffic Control at Worksite Manual Version 4.0 from the RTA

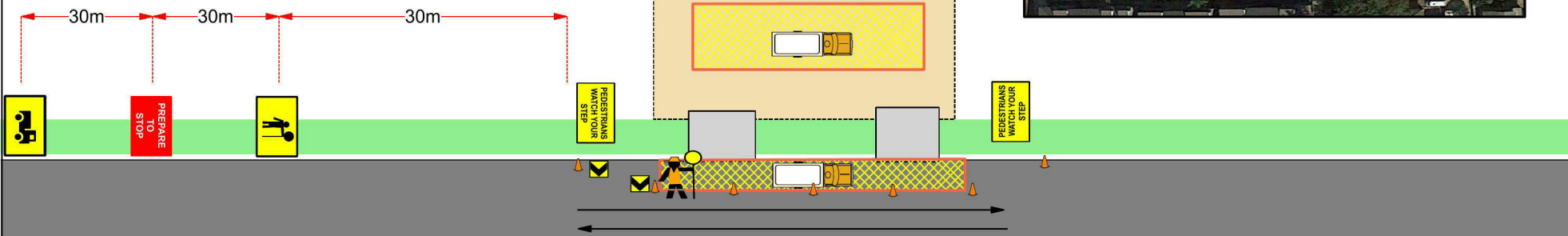
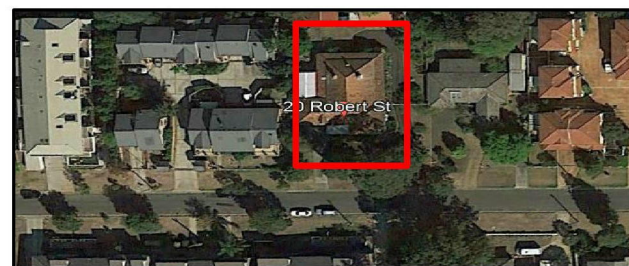


# TCP- Deliveries

**Legend**

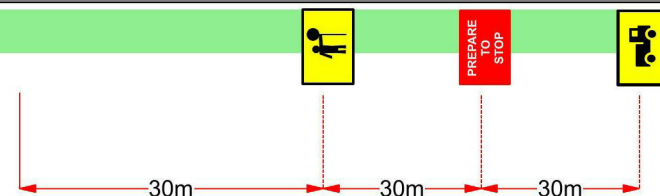
- Cone
- Traffic Controller
- Truck
- Work Area

20 ROBERT STREET



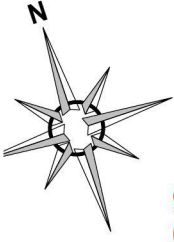
- NOTES**
- All signs to be posted where appropriate space and sight distance allows.
  - As permitted on local roads advance warning signs can be spaced at a minimum 15m separation.
  - Pedestrians will be assisted around the work site when construction activity impacts on pedestrian access.
  - If the footpath needs to be closed at any stage appropriate signage and barriers will be posted and pedestrians will be assisted around the work site as required.

ROBERT STREET



- b. Traffic Management Plan- TC- 20 Robert Street (Penrith) (Site Plan)

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- 1. SCOPE OF WORKS  
Construction of a Residential Flat Building containing 20 Units, associated site and landscaping works.
- 2. SCHEDULE OF WORKS  
TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.
- 3. COMPLIANCE  
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# TCP-Site Plan.

**Locations shown is indicative only.  
Location is subject to the to the work stage.**

**SafeWay**  
Traffic Management Solutions

Location : 20 Robert Street, Penrith,  
Company : R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.  
Council : Penrith City.  
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Prepare a Work Zone TMP # 0028376586  
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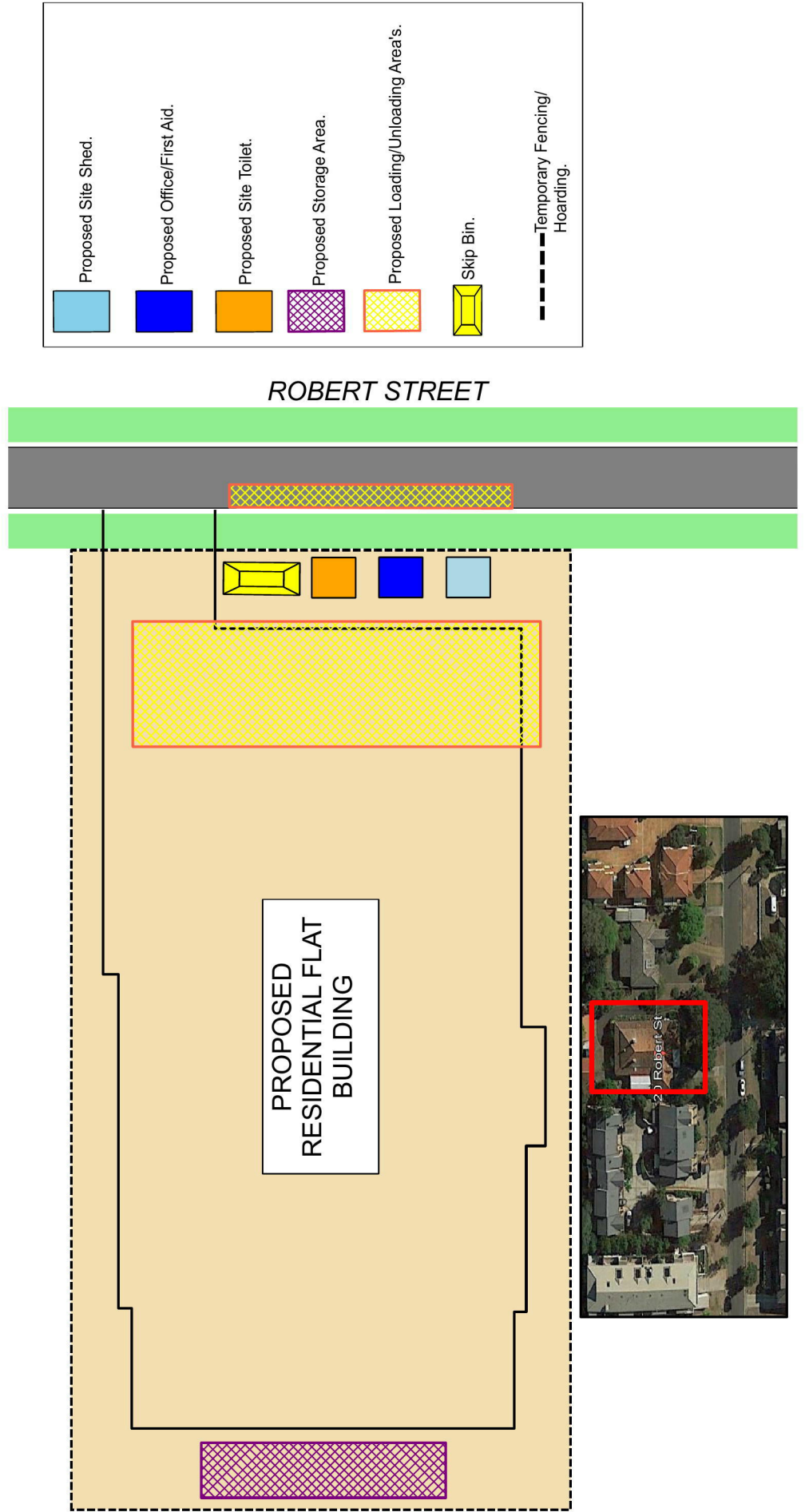
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Filename :

UBD Reference# : 163/M8  
Scale : NTS  
Revision : 1.0  
Prepared Date : 07.09.2018  
TCP Author : Dennis Dandolo  
Prepare a Work Zone TMP # 0028376586  
Expiry Date : 01.02.2019

Signature :

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- c. Traffic Management Plan- TC- 20 Robert Street (Penrith) (VMP)

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Location : 20 Robert Street, Penrith,  
Company : R20 Pty Ltd, Penrith Robert Pty Ltd  
& Miaz Group Pty Ltd.  
Council : Penrith City.  
TCP Endorsed By : Dennis Dandolo  
Prepare a Work Zone TMP # 0028376586  
Expiry Date : 01.02.2019

Signature :  
Filename :

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Prepared Date : 07.09.2018  
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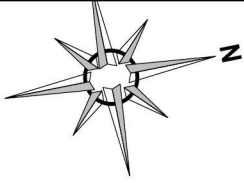
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Construction of a Residential Flat Building containing 20 Units,  
associated site and landscaping works.

2. TRAFFIC MANAGEMENT LOGISTICS  
Certified Traffic Controllers will assist with truck arrivals  
and departures as required. Pedestrian and cyclists  
safety will be a priority at all times.

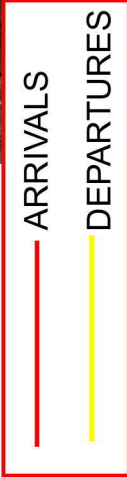
3. SCHEDULE OF WORKS  
TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.

4. COMPLIANCE  
When installed as per the plan, signage will be in accordance with  
Australian Standards as 1742.3, 2009, and Traffic Control at Worksites  
Manual Version 4.0 from the RTA

# VMP-Truck Routes.



All drivers will comply with speed limits around the work site and abide by all road rules.  
Tonne load limits may apply to surrounding roads.  
All loads to be covered. Spoil must not contaminate the footpaths or roadways.



TO/FROM THE NORTHERN ROAD SURROUNDING SUBURBS

- d. Traffic Management Plan- TC- 20 Robert Street (Penrith) (Utility Connection)

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Certified Traffic Controllers will assist with truck arrivals and departures as required. Pedestrian and cyclist safety will be a priority at all times.

3. SCHEDULE OF WORKS  
TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.

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Prepare a Work Zone TMP # 0028376586  
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Signature: \_\_\_\_\_

Filename: ALL TRAFFIC MANAGEMENT PLANS ARE COPYRIGHT/PROPERTY OF SAFEWAY TMS AND ARE NOT TRANSFERABLE UNLESS AUTHORISED BY SAFEWAY TMS

Sign Spacing's	Dimension Range
40km	0-5m
50km	15-50m
60km	45-60m
70km	70m
80km	80m
90km	90m
100km	100m

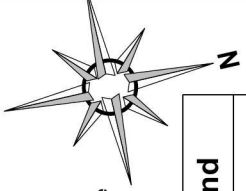
**PREPARE TO STOP**

**SIGNS TO BE COVERED OR REMOVED WHEN NOT USING A TRAFFIC CONTROLLER.**

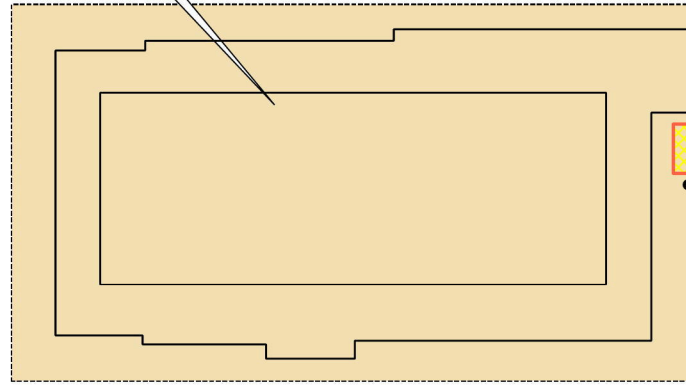
# TCP- Utility Connections.

**Legend**

- Cone
- Excavator
- Traffic Controller
- Truck
- Work Area

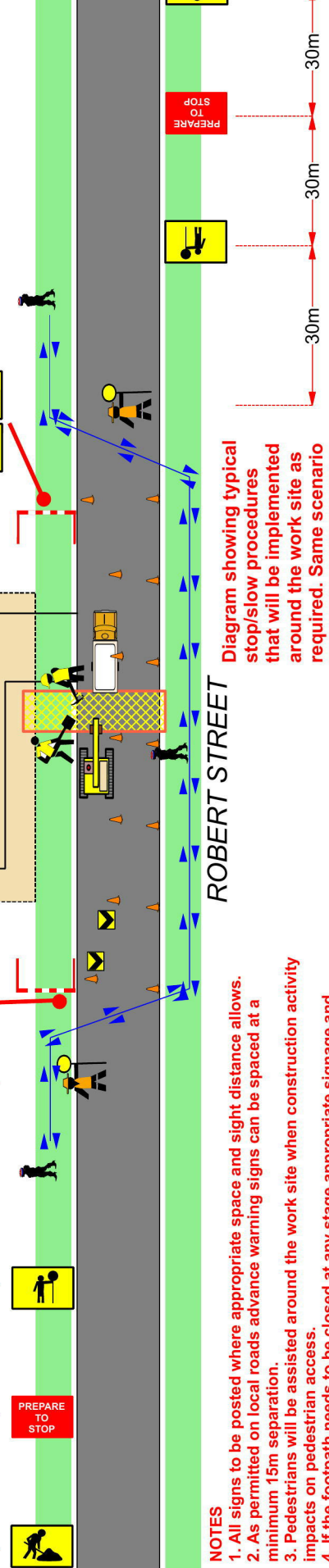


20  
ROBERT STREET



USE OTHER FOOTPATH

PEDESTRIANS WATCH YOUR STEP



ROBERT STREET

Diagram showing typical stop/slow procedures that will be implemented around the work site as required. Same scenario applies to both sides of the road.

- NOTES**
1. All signs to be posted where appropriate space and sight distance allows.
  2. As permitted on local roads advance warning signs can be spaced at a minimum 15m separation.
  3. Pedestrians will be assisted around the work site when construction activity impacts on pedestrian access.
  4. If the footpath needs to be closed at any stage appropriate signage and barriers will be posted and pedestrians will be assisted around the work site as required.

- e. Traffic Management Plan- TC- 20 Robert Street (Penrith) (Crane Lifts)

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1. SCOPE OF WORKS  
Construction of a Residential Flat Building containing 20 Units, associated site and landscaping works.

2. TRAFFIC MANAGEMENT LOGISTICS  
Certified Traffic Controllers will assist with truck arrivals and departures as required. Pedestrian and cyclist safety will be a priority at all times.

**SafeWay**  
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& Miaz Group Pty Ltd.  
Council: Penrith City.  
TCP Endorsed By: Dennis Dandolo  
Prepare a Work Zone TMP # 0028376586  
Expiry Date: 01.02.2019

Signature: \_\_\_\_\_

File name: \_\_\_\_\_

3. SCHEDULE OF WORKS  
TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.

4. COMPLIANCE  
When installed as per the plan, signage will be in accordance with Australian Standards as 1742.3, 2009, and Traffic Control at Worksite Manual Version 4.0 from the RTA

# TCP- Crane Lifts.

**Legend**

- Cone
- Crane
- Crane Support
- Flat Bed Truck
- Traffic Controller
- Work Area

20  
ROBERT STREET

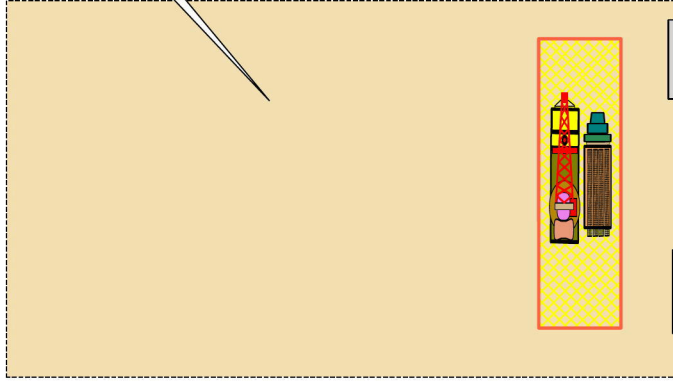
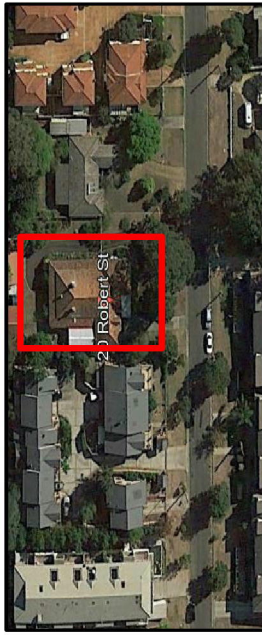


Diagram showing crane lifts within the property boundaries and on the frontage roadway. Stop/Slow Procedures may be implemented as required.

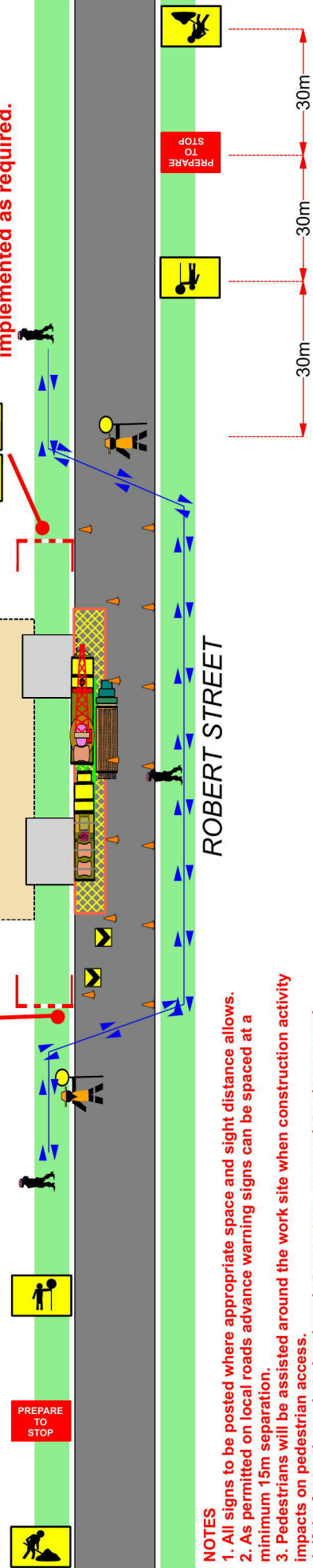
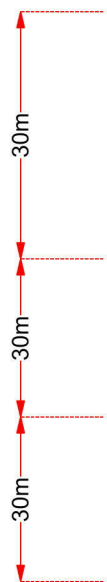
USE OTHER FOOTPATH  
PEDESTRIANS WATCH YOUR STEP

**PREPARE TO STOP**

**SIGNS TO BE COVERED OR REMOVED WHEN NOT USING A TRAFFIC CONTROLLER.**

Sign Spacing's	Dimension Range
40km	0-5m
50km	15-50m
60km	45-60m
70km	70m
80km	80m
90km	90m
100km	100m

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- NOTES**
- All signs to be posted where appropriate space and sight distance allows.
  - As permitted on local roads advance warning signs can be spaced at a minimum 15m separation.
  - Pedestrians will be assisted around the work site when construction activity impacts on pedestrian access.
  - If the footpath needs to be closed at any stage appropriate signage and barriers will be posted and pedestrians will be assisted around the work site as required.

- f. Traffic Management Plan- TC- 20 Robert Street (Penrith) (Demolition & Excavation)

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Location : 20 Robert Street, Penrith.  
 Company : R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.  
 Council : Penrith City.  
 TCP Endorsed By : Dennis Dandolo  
 Prepare a Work Zone TMP # 0028376586  
 Expiry Date : 01.02.2019

UBD Reference# : 163/M8  
 Scale : NTS  
 Revision : 1.0  
 Prepared Date : 07.09.2018  
 TCP Author : Dennis Dandolo  
 Prepare a Work Zone TMP # 0028376586  
 Expiry Date : 01.02.2019

Signature :

Signature :

Filename :

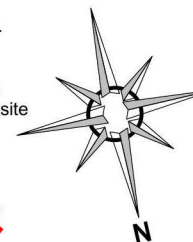
ALL TRAFFIC MANAGEMENT PLANS ARE COPYRIGHT/PROPERTY OF SAFEWAY TMS AND ARE NOT TRANSFERABLE UNLESS AUTHORISED BY SAFEWAY TMS

1. SCOPE OF WORKS  
 Construction of a Residential Flat Building containing 20 Units, associated site and landscaping works.

2. TRAFFIC MANAGEMENT LOGISTICS  
 Certified Traffic Controllers will assist with truck arrivals and departures as required. Pedestrian and cyclists safety will be a priority at all times.

3. SCHEDULE OF WORKS  
 TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.

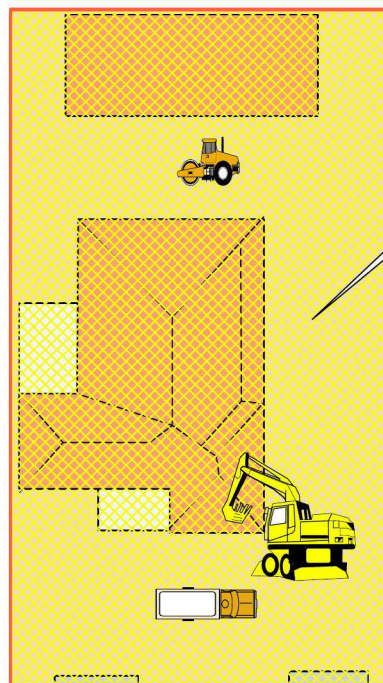
4. COMPLIANCE  
 When installed as per the plan, signage will be in accordance with Australian Standards as 1742.3, 2009, and Traffic Control at Worksite Manual Version 4.0 from the RTA



# TCP- Demolition & Excavation.

Sign Spacing's	
Estimated speed of Traffic (D)	Dimension Range
40km	0-5m
50km	15-50m
60km	45-60m
70km	70m
80km	80m
90km	90m
100km	100m

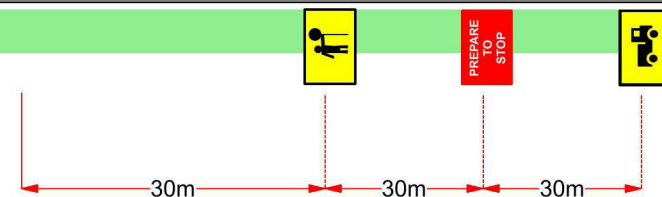
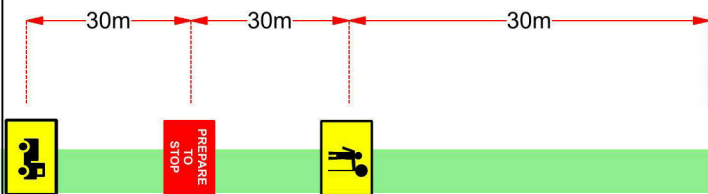
**SIGNS TO BE COVERED OR REMOVED WHEN NOT USING A TRAFFIC CONTROLLER.**



20  
ROBERT STREET

**Legend**

- Excavator
- Traffic Controller
- Truck
- Work Area



- NOTES**
1. All signs to be posted where appropriate space and sight distance allows.
  2. As permitted on local roads advance warning signs can be spaced at a minimum 15m separation.
  3. Pedestrians will be assisted around the work site when construction activity impacts on pedestrian access.
  4. If the footpath needs to be closed at any stage appropriate signage and barriers will be posted and pedestrians will be assisted around the work site as required.

ROBERT STREET

g. Traffic Management Plan- TC- 20 Robert Street (Penrith) (Concrete Pours)

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 Council : Penrith City.  
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 Prepare a Work Zone TMP # 0028376586  
 Expiry Date : 01.02.2019

Signature :  
 Filename :

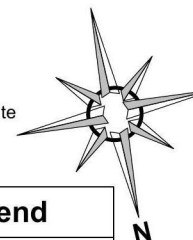
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 Scale : NTS  
 Revision : 1.0  
 Prepared Date : 07.09.2018  
 TCP Author : Dennis Dandolo  
 Prepare a Work Zone TMP # 0028376586  
 Expiry Date : 01.02.2019

1. SCOPE OF WORKS  
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2. TRAFFIC MANAGEMENT LOGISTICS  
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3. SCHEDULE OF WORKS  
 TBA By R20 Pty Ltd, Penrith Robert Pty Ltd & Miaz Group Pty Ltd.

4. COMPLIANCE  
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# TCP- Concrete Pours.

Legend	
	Concrete Pump
	Concrete Truck
	Cone
	Pedestrian Ramp
	Traffic Controller
	Work Area

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Sign Spacing's	
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40km	0-5m
50km	15-50m
60km	45-60m
70km	70m
80km	80m
90km	90m
100km	100m

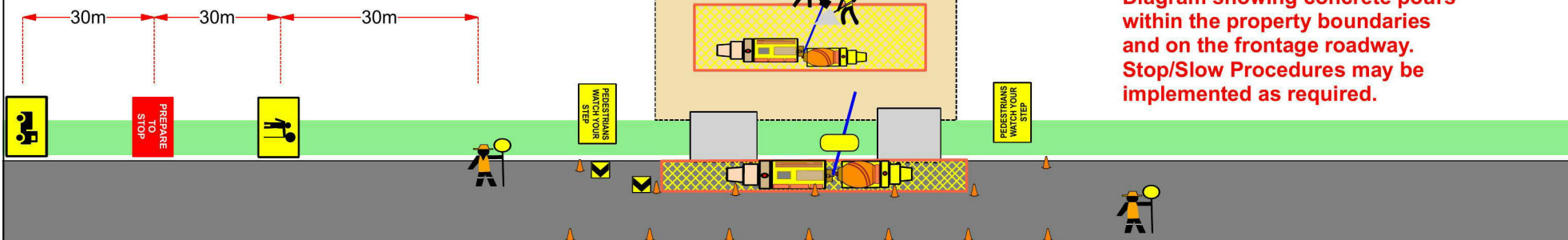
**PREPARE TO STOP**

**SIGNS TO BE COVERED OR REMOVED WHEN NOT USING A TRAFFIC CONTROLLER.**

20 ROBERT STREET



**Diagram showing concrete pours within the property boundaries and on the frontage roadway. Stop/Slow Procedures may be implemented as required.**



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ROBERT STREET

