

Item 6.2 - Traffic - 19/03/21



N O R T H S Y D N E Y C O U N C I L

To the General Manager

Attach: 1. 96-100 Spofforth Street, Cremorne CTMP

SUBJECT: (6.2) 96-100 Spofforth Street, Cremorne - Construction Traffic Management Plan

AUTHOR: Report of Traffic & Transport Engineer, Nathan Wu

DESCRIPTION/SUBJECT MATTER:

The current Construction Traffic Management Plan for approved development at 96-100 Spofforth Street, Cremorne (Development Consent D252/19) was approved under Delegated Authority (TDA 21/011) on 18 February 2021, limited only to the demolition stage.

Council has received a new CTMP prepared by PW Traffic Plans dated 4 February 2021 for Stage 2 Excavation & Construction of the development proposing to use truck and dog trailers during excavation.

The above development involves demolition of the existing structures, excavation of the land and the construction of a housing development comprising a 12 resident apartment complex with basement car parking.

Condition B2 of the development consent states:

A Construction Management Program prepared by a suitably qualified and experienced traffic consultant must be submitted and approved in writing by North Sydney Traffic Committee PRIOR TO THE ISSUE OF ANY Construction Certificate. Any use of Council property will require appropriate approvals prior to any work commencing. At a minimum, the Construction Management Program must specifically address the following matters:

- a) A plan view (min 1:100 scale) of the entire site and frontage roadways indicating:
 - i. Dedicated temporary construction site driveway entrances and exits, controlled by a certified traffic controller, to safely manage pedestrians and construction related vehicles in the frontage roadways and footways;
 - ii. The proposed signage for pedestrian management to comply with the relevant Australian Standards, including pram ramps;
 - iii. Turning areas within the site for construction and spoil removal vehicles, allowing a forward egress for all construction vehicles on the site;
 - iv. The locations of any proposed Work Zones in the frontage roadways (to be approved by Council's Traffic Committee);
 - v. Locations of hoardings proposed;
 - vi. Location of any proposed crane standing areas;
 - vii. A dedicated unloading and loading point within the site for all construction vehicles, plant and deliveries;

- viii. Material, plant and spoil bin storage areas within the site, where all materials are to be dropped off and collected; and
 - ix. The provision of an on-site parking area for employees, tradesperson and construction vehicles as far as possible.
- b) A detailed heavy vehicle access route map through the Council area to Arterial Roads. Provision is to be made to ensure through traffic is maintained at all times.
 - c) The proposed phases of works on the site, and the expected duration of each phase.
 - d) How access to neighbouring properties will be maintained at all times and the proposed manner in which adjoining property owners will be kept advised of the timeframes for completion of each phase of process.
 - e) The road is not to be used as a waiting area for trucks delivering to or awaiting pick up of materials.
 - f) The proposed method of support to any excavation adjacent to adjoining properties, or the road reserve. The proposed method of support is to be designed and certified by an appropriately qualified and practicing structural engineer and must not involve any permanent or temporary encroachment onto Councils property.
 - g) Proposed protection for Council and adjoining properties. Details are to include site fencing and the provision of “B” class hoardings over footpaths and public laneways.
 - h) A Waste Management Plan. The Waste Management Plan must include, but not be limited to, the estimated volume of waste and method of disposal for the construction and operation phases of the development, design of on-site waste storage and recycling area and administrative arrangements for waste and recycling management during the construction process.

All traffic control work and excavation, demolition and construction activities must be undertaken in accordance with the approved Construction Management Program and any conditions attached to the approved Program. The approved Construction Management Program must be submitted as part of the documentation lodged with the application for approval of a construction certificate. A copy of the approved Construction Management Program and any conditions imposed on that Program, must be kept on the site at all times and made available to any officer of Council upon request.

Notes:

- 1) North Sydney Council’s adopted fee for certification of compliance with this condition shall be payable on lodgement, or in any event, prior to the issue of the relevant approval.
- 2) Any use of Council property will require appropriate approvals and demonstration of liability insurances prior to such work commencing.
- 3) Failure to provide complete and detailed information may result in delays. It is recommended that your Construction Management Plan be lodged with Council as early as possible, as a minimum six (6) weeks notice is required to refer items to the Traffic Committee.
- 4) Dependent on the circumstances of the site, Council may request additional information to that detailed above.

(Reason: To ensure appropriate measures have been considered for site access, storage and the operation of the site during all phases of the demolition process in a manner that respects adjoining owner's property rights and residential amenity in the locality, without unreasonable inconvenience to the community).

RECOMMENDATION:

1. THAT subject to no objection from the Traffic Committee members, the traffic aspects of the Construction Traffic Management Plan prepared by PW Traffic Plans dated 4 February 2021 for, and limited only to Stage 2 - Excavation & Construction of development at 96-100 Spofforth Street, Cremorne (Development Consent D252/19) is approved under delegated authority of Council's Traffic Engineer subject to the conditions outlined in the report.

2. THAT subject to no objection from the Traffic Committee members, the Work Zone as described in this CTMP is approved under delegated authority of Council's Traffic Engineer, with the same conditions pending lodgement of a Work zone application and payment of all applicable fees.

DETAIL

Standard or Guideline Used: RMS Traffic Control at Work Sites Manual, AS 1742.3

Signs & Lines Priority: N/A

Precinct and Ward: Harrison, Victoria

Impact on Bicycles: Existing access to be maintained and managed under traffic control as required.

Impact on Pedestrians: Existing access to be maintained and managed under traffic control as required.

Impact on Parking: the proposal includes 6m of Works Zone on Spencer Roads site frontage and 21m of Works Zone on Spofforth Street site frontage)

Condition B2 of the development consent states:

A Construction Management Program prepared by a suitably qualified and experienced traffic consultant must be submitted and approved in writing by North Sydney Traffic Committee PRIOR TO THE ISSUE OF ANY Construction Certificate. Any use of Council property will require appropriate approvals prior to any work commencing. At a minimum, the Construction Management Program must specifically address the following matters:

- a) A plan view (min 1:100 scale) of the entire site and frontage roadways indicating:
 - ii. Dedicated temporary construction site driveway entrances and exits, controlled by a certified traffic controller, to safely manage pedestrians and construction related vehicles in the frontage roadways and footways;
 - ii. The proposed signage for pedestrian management to comply with the relevant Australian Standards, including pram ramps;
 - iii. Turning areas within the site for construction and spoil removal vehicles, allowing a forward egress for all construction vehicles on the site;
 - iv. The locations of any proposed Work Zones in the frontage roadways (to be approved by Council's Traffic Committee);
 - v. Locations of hoardings proposed;
 - vi. Location of any proposed crane standing areas;
 - vii. A dedicated unloading and loading point within the site for all construction vehicles, plant and deliveries;
 - viii. Material, plant and spoil bin storage areas within the site, where all materials are to be dropped off and collected; and
 - ix. The provision of an on-site parking area for employees, tradesperson and construction vehicles as far as possible.
- b) A detailed heavy vehicle access route map through the Council area to Arterial Roads. Provision is to be made to ensure through traffic is maintained at all times.
- c) The proposed phases of works on the site, and the expected duration of each phase.
- d) How access to neighbouring properties will be maintained at all times and the proposed manner in which adjoining property owners will be kept advised of the timeframes for completion of each phase of process.
- e) The road is not to be used as a waiting area for trucks delivering to or awaiting pick up of materials.

- f) The proposed method of support to any excavation adjacent to adjoining properties, or the road reserve. The proposed method of support is to be designed and certified by an appropriately qualified and practicing structural engineer and must not involve any permanent or temporary encroachment onto Councils property.
- g) Proposed protection for Council and adjoining properties. Details are to include site fencing and the provision of “B” class hoardings over footpaths and public laneways.
- h) A Waste Management Plan. The Waste Management Plan must include, but not be limited to, the estimated volume of waste and method of disposal for the construction and operation phases of the development, design of on-site waste storage and recycling area and administrative arrangements for waste and recycling management during the construction process.

All traffic control work and excavation, demolition and construction activities must be undertaken in accordance with the approved Construction Management Program and any conditions attached to the approved Program. The approved Construction Management Program must be submitted as part of the documentation lodged with the application for approval of a construction certificate. A copy of the approved Construction Management Program and any conditions imposed on that Program, must be kept on the site at all times and made available to any officer of Council upon request.

Notes:

- 1) North Sydney Council’s adopted fee for certification of compliance with this condition shall be payable on lodgement, or in any event, prior to the issue of the relevant approval.
- 2) Any use of Council property will require appropriate approvals and demonstration of liability insurances prior to such work commencing.
- 3) Failure to provide complete and detailed information may result in delays. It is recommended that your Construction Management Plan be lodged with Council as early as possible, as a minimum six (6) weeks notice is required to refer items to the Traffic Committee.
- 4) Dependent on the circumstances of the site, Council may request additional information to that detailed above.

(Reason: To ensure appropriate measures have been considered for site access, storage and the operation of the site during all phases of the demolition process in a manner that respects adjoining owner’s property rights and residential amenity in the locality, without unreasonable inconvenience to the community).

Access and egress

During Excavation

Ingress - articulated vehicles (truck and dog) are to approach along Military Road from the West turning right onto Spofforth Street, turning right onto Spencer Road, and then reversing into the demolition site under traffic control guidance. Given the depth of the proposed excavations there is no option available to enforce a left in, left out policy on this site.

Egress - vehicles are to leave the construction zone by turning right onto Spencer Road and then turning left onto Military Road, to disperse to their intended destination. This will limit any impacts within the Cremorne shopping precinct.



Through traffic

The applicant states that there will be no need for traffic diversions for this project. No heavy vehicle queuing on public road is allowed unless approved by the RMS and NSC.

Access to neighbouring properties

All neighbouring properties access must be maintained at all times.

Pedestrian management

Pedestrians will not be required to divert as per the attached TCPs except when concrete pours are completed on Spencer Road. There may be isolated instances where they will be required to stop for short periods while vehicles ingress/egress the work site. A B-Class hoarding will be required on Spofforth Street for the safety of local pedestrians.

Construction phases

This CTMP includes the excavation and construction phases of the development.

Date	Area	Activity
01/03/2021	Work area 1	Excavation and Construction
WORK AREA	START DATE	FINISH DATE
Work Area 1	March 2021	July 2022

Neighbour notification

All neighbouring properties are to be provided with monthly updates on construction activities and at key stages of construction, particularly in relation to vehicle movements.

Loading and unloading equipment and materials/Work Zone

The applicant states that all spoil from excavation and subsequent construction shall be loaded entirely within the construction site boundaries. All deliveries will be unloaded from within the confines of the staged construction zones.

A 6m Works Zone is required on Spencer Road during excavation, and a 21m Works Zone is required on Spofforth Street during construction with all construction deliveries being loaded and unloaded entirely from within the construction zone on Spofforth Street.

Concrete pumping on Spencer Road will be completed subject to Stand Plant permits issued by Council.

Storage of equipment and materials

All building materials and equipment are to be stored on site.

CONDITIONS OF APPROVAL

1. All works on any public road are to be undertaken in accordance with AS 1742.3.
2. The maximum size of construction vehicles to be used for the subject site must not exceed a Heavy Rigid Vehicle (HRV) of 12.5m in length except for the use of truck and dog trailers during excavation stage only. Use of any vehicle larger than prescribed must be demonstrated by adequate swept path analysis and authorised by Council's Traffic Engineer.
3. Approval must be obtained from Council for all temporary construction vehicular crossings.
4. A Road Occupancy Licence (ROL) shall be obtained from Transport Management Centre for any works that may impact on traffic flows on Spofforth Street and Military Road during construction activities.
5. Trucks may only enter and leave the construction site in a forward direction, unless under the direct supervision of two RMS accredited traffic controllers, one to direct heavy vehicle movement in and out of the site and one to ensure no pedestrian enters the path of a heavy vehicle.
6. Installation of a Work Zone for 96-100 Spofforth Street is subject to the applicant paying all appropriate Council advertised fees and charges, including the cost of the signage.
7. The residents/occupiers of Spencer Road and Spofforth Street are to be notified by letter that a Work Zone 7am to 5pm Monday to Friday, 8am to 1pm Saturday is to be installed. The letter should indicate the length of the Work Zone, the existing parking restrictions the Work Zone will replace and the duration of the Work Zone. A copy of the notification is to be provided to Council before the signs are installed. The notification is to have the name and number of the site manager in case of complaints.
8. Any approved Work Zone is to be used only to pick up and drop off materials and equipment. Construction vehicles are not to wait or park in the Work Zone, Truck Zone and Loading Zone.
9. A minimum of two RMS accredited traffic controllers are to be provided to direct entering and exiting vehicles in Spencer Road at the entry/exit to the work zone whilst ensuring no pedestrians or vehicles enter the zone of heavy vehicle movement.
10. Access to adjoining residents and businesses are to be maintained at all times.
11. The adjoining residents and businesses are to be updated on a monthly basis and at key construction stages, particularly in relation to construction vehicle movements, and be provided with a phone number to contact the site manager.
12. The applicant shall provide monthly updates and notices at key stages of development particularly in relation to heavy vehicle movements and traffic changes, including monthly updates posted in a prominent position on the site hoarding including contact details of the site manager.
13. Any works to have impact on Military Road must be approved by Transport for NSW (TfNSW) and executed in accordance with TfNSW requirements.
14. At no time shall Spencer Road, Spofforth Street or any other road be blocked by any vehicle or works associated with the construction of the proposed development. Through traffic is to be maintained at all times.
15. Spencer Road, Spofforth Street or any other road are not to be used as a waiting area for trucks delivering to or awaiting pick up of materials etc. from the proposed development.
16. Construction vehicles are not to queue in Spencer Road, Spofforth Street or any other road.
17. Materials are to be stored on-site. At no time, are materials to be stored on any public road or any Council property.
18. Tower cranes shall be located wholly on-site.
19. Mobile cranes shall be located wholly on-site or with an approved Stand Plant Permit.

20. Concrete pumps shall be located wholly on-site or with an approved Stand Plant Permit, unless the pump and trucks can stand wholly within the signposted Work Zone (2.5m wide from the kerb).
21. All pump lines crossing Council footpaths must be ramped over to allow safe pedestrian/wheelchair traffic at all times.
22. Pedestrian access on Spencer Road, Spofforth Street or any other roads must be maintained at all times.
23. Pedestrian access and the diversion of pedestrians shall be carried out in accordance with Australian Standard 1742.3 and 1742.10.
24. If pedestrians are diverted, pram ramps must be provided in accordance with Australian Standard 1428.1.
25. If a Permit to Stand Plant or Temporary Road Closure is required, application must be made to NSW Police, North Shore Local Area command.
26. If a Permit to Stand Plant is required, application must be made to Council in accordance with Council's Stand Plant Permit Form and Conditions.
27. If a Temporary Road Closure is required, application must be made to Council in accordance with Council's Temporary Road Closure Form and Conditions.
28. A traffic route map and conditions are to be made available to truck drivers engaged for this development.
29. A list of truck drivers' names with their licences and vehicle plate numbers and conditions are to be kept on-site by the applicant at all times, and be made available for inspection by Council Officers, Police Officers and Council Rangers.
30. Repeated failure to comply with these conditions will result in removal of any Work Zone under notice.
31. All Traffic Management Plans and Traffic Control Plans must be endorsed with the name of the person preparing the plan along with their level of certified qualification and certificate number. Only persons with current "Select/Modify Traffic Control Plans" or "Design Audit Traffic Control Plans" tickets are qualified to develop and endorse Traffic Management Plans and Traffic Control Plans.

TRAFFIC MANAGEMENT PLAN

HELM PROPERTIES

96-100 Spofforth Street Cremorne

November 2020
(Excavation and Construction)



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The Project located at 96-100 Spofforth Street Cremorne comprises of the excavation of the existing land (post Demolition – see separate TMP) and the construction of a housing development comprising a 12 residential apartment complex with basement car parking as per D252/19. The work site is located on the Northern side of Spencer Road and Western side of Spofforth Street at Cremorne as per Diagram 1.

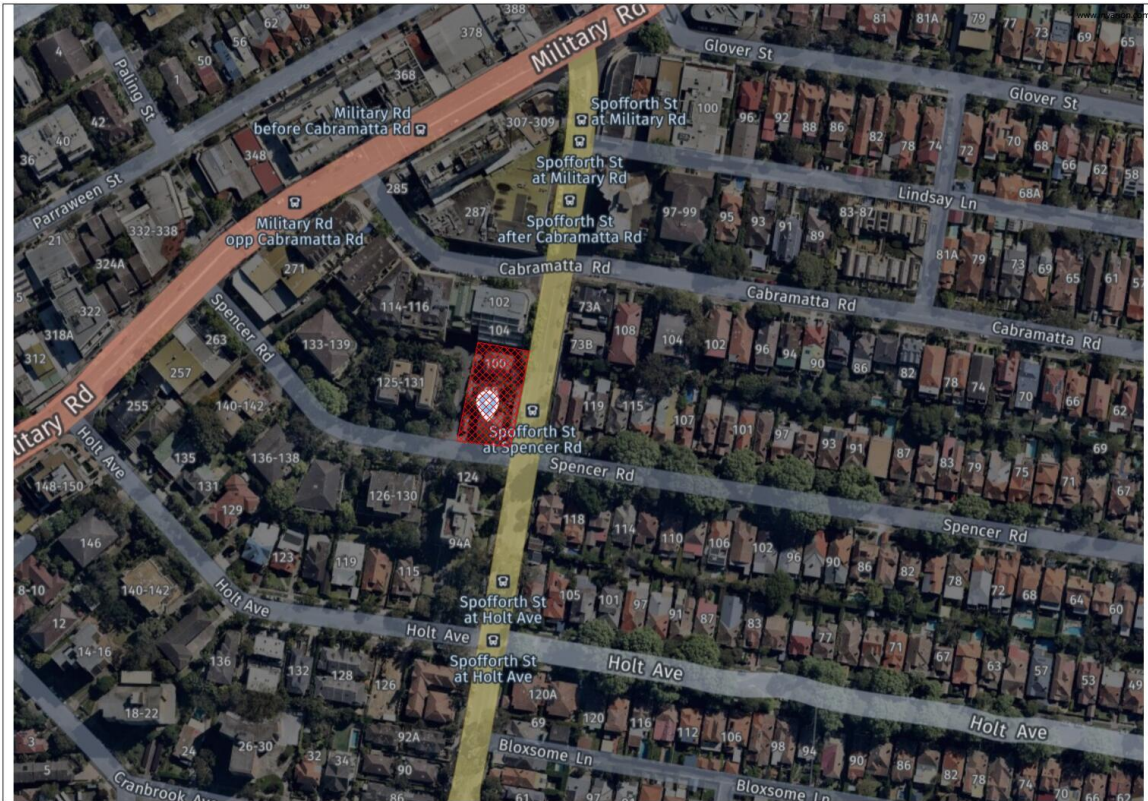


Diagram 1

The Traffic Management plan addresses the conditions, approval requirements for this project, as well as the construction works proposed by Helm Properties.

The objective of the plan is to ensure that the Traffic issues and the construction movement of both plant and equipment are managed with minimal impact to motorists, pedestrians and local residents and complies with the requirements of all relevant authorities including RMS, North Sydney Council and the Emergency Services.

Through a consultative approach between Helm Properties and PW Traffic Plans, this plan details the best way to manage traffic issues associated with this project.

1.1

PURPOSE

The purpose of the Traffic Management Plan is to ensure that the planned works adhere to and comply with the Authority requirements for the Control of movement of construction vehicles (Plant & Equipment) around the Project and adjacent transport corridors. Specifically, this plan must recognise, be consistent with and comply with the traffic configuration of the local road network as it exists at varying stages, during the project.

In addition to the Authority requirements, this plan must also comply with:

- The requirements of relevant authorities, including RMS, North Sydney Council, NSW Police, State Emergency Services;
- Road Act 1993 (NSW) and all other legislative requirements;
- Certificates, licenses, consents, permits and approvals, including in respect of working hours;

This plan will provide:

- Detailed traffic management procedures for the site;
- Traffic control plan detailing modification to existing Traffic patterns vehicular and pedestrians. (Attached)
- Ensure the appropriate notification of relevant emergency services prior to implementing road and pedestrian traffic modifications;
- Safety of Pedestrians, Commuters, Cyclists and personnel of both Helm Properties and its sub-contractors;
- Impacts on residents and/or commercial enterprises on traffic routes (including traffic movement);
- Objectives for Material delivery management & transportation to and from site;
- Roles and responsibilities of personnel and sub-contractors;
- Updating of the Traffic Management Plan on an as needs basis;

1.2

SCOPE OF WORK

The main element of the work in respect to traffic management is;

- Traffic Management while Construction Vehicles are entering and exiting the work zones;
- Control of movement of vehicles carrying construction plant/equipment around the Project and adjacent traffic corridors;
- Plan must recognise, be consistent with and comply with the traffic configuration of the local road network as it exists at varying stages, during the project;

1.3

APPLICATION

All delivery drivers and sub-contractors of Helm Properties shall comply with the requirements of this plan.

1.4

ABBREVIATIONS & TERMINOLOGY

The following terms, abbreviations and definitions are used in this Plan;

Terms	Explanation
TMP/Plan	Traffic Management Plan
VMP	Vehicle Movement Plan
PMP	Pedestrian Movement Plan
JPM	Junior Project Manager
RMS	Roads and Maritime Services
TMC	Road and Maritime Services Traffic Management Centre
NSC	North Sydney Council

2.0

DISTRIBUTION CONTROL & APPROVAL OF THIS PLAN

2.1 Approval & Changes

Approval of Plan

Record of Issue, Review and Approval of plan will be via NSC and Helm Properties.

Issue of Plan

Helm Properties supervisor will ensure the Approved Plan is available to all personnel.

The most current version of the plan was issued on 04/02/2021.

Copies of the TMP and TCP's are to be available from the site office.

Laminated copies of the TCP's will be placed on the walls of the induction room.

Changes to the TMP

No changes to this TMP are permitted, with any changes to be provided in a new TMP to be approved by NSC.

Distribution Policy

Controlled copy of the TMP is held by Helm Properties. All company employees have access to this plan through the Site Manager. The list of holders of controlled copies of the plan includes;

COPY NO	ISSUED TO	ISSUE DATE	ISSUED BY
01	Project Manager	04/02/2021	PW Traffic Plans
02	Site Manger	04/02/2021	PW Traffic Plans
03	Cadet	04/02/2021	PW Traffic Plans
04			
05			
06			

The personnel to whom these copies have been issued will be sent amendments as they occur.

Uncontrolled Copies

Uncontrolled copies will now be issued amendments.

Acknowledgement of receipt

If a controlled copy of the Traffic Management Plan has been issued, acknowledgement of its receipt is to be sent to the Supervisor within seven days to ensure further amendments are received.

3.0

CONDITIONS OF APPROVED RESPONSE

The checklist detailing the verification process to ensure contract requirements have been met in this Traffic Management Plan for the Conditions of Approval listed below:

CONDITIONS OF APPROVAL	WHERE ADDRESSED
Traffic Management Plan (TMP) has been prepared in consultation with relevant Helm Properties personnel. The TMP must include information on the following matters relating to the project: a) Including the staging of construction works to minimize traffic and pedestrian delays	All Sections
b) The impact on pedestrians including measures to ensure safety to pedestrians at all times;	Section 4.3
c) Maximum and average truck volumes	Section 4.3
d) Truck ingress and egress routes	Section 4.3
e) Access, for construction vehicles entering and leaving work area;	Section 4.3
f) No heavy vehicle queuing on public roads unless otherwise agreed by the NSC and/or the RMS	Section 4.2
g) Construction traffic generation	Section 4.3
h) A response plan which sets out the proposed response to any traffic, construction or other incident.	Section 4.1
i) Proposed traffic control within the TCP	ATTACHED
j) Measures to manage traffic flows around the area affected by the Project, including as required traffic control devices necessary for the implementation of the TCP's.	Section 4.1
The performance of all project traffic arrangements must be monitored during construction. Any additional traffic and transport management measures as Required by the RMS shall form part of the TMP.	

4.0 STAGING PLANS, PROPOSED SEQUENCE OF WORKS

The Work Area listed below, itemized on site activity (in relation to proposed works) and relate to Traffic Control sequences.

4.1 WORK AREA – 96-100 Spofforth Street Cremorne

Date	Area	Activity
01/03/2021	WA1	Excavation and Construction

5.0

PROPOSED PROGRAMME

The approximate program for implementation of the work area is as follows:

WORK AREA	START DATE	FINISH DATE
Work Area 1	March 2021	July 2022

5.1 Managing Cumulative Impacts

Spoil from excavation and subsequent construction shall be loaded entirely within the construction site boundaries. There is no queuing on Spofforth Street, Spencer Road or any other surrounding roads. All deliveries will be unloaded from within the confines of the staged construction zones. Any large deliveries will need to be organised in advance to reduce any cumulative congestion impacts attributed to Traffic.

The site manager is responsible for monitoring Traffic conditions. In the event that construction Traffic impacts do have a negative impact on the road network, Helm Properties shall liaise with NSC to solve the problem.

5.2 Work Area Assessment and Impacts

This section details the requirements for the Construction Site/Compound.

Spofforth Street is a 4 lane 2-way road consisting of 2 through lanes and 2 parking lanes. The speed limit on Spofforth Street is 50Km/h and it runs in a North - South direction.

Spencer Road is a 4 lane 2-way road consisting of 2 through lanes and 2 parking lanes. The speed limit on Spencer Road is 50Km/h and it runs in an East - West direction.

There is no offsite parking for construction vehicles. Sub-contractors are to be advised that they should utilize public transport wherever possible. Helm Properties will be required to allow for sub-contractor parking within the site boundaries wherever possible.

There will be a construction zone required on Spencer Road during excavation, and a construction zone on Spofforth Street during construction with all construction deliveries being loaded and unloaded entirely from within the construction zone on Spofforth Street. A B-Class hoarding will be required on Spofforth Street for the safety of local pedestrians, and will also allow for the site offices to be placed on top. All concrete pours will be completed on Spencer Road to minimize disruptions to Spofforth Street. A construction zone will not be required for concrete pumping on Spencer Road, this activity shall be completed via stand-alone Stand Plant permits.

Construction vehicles are not to reverse into the construction zone during the works. There will need to be traffic and pedestrian spotters present as per the attached TCP's. The proposed works will generate minimal additional vehicle movements along the main access

routes. Heavy vehicles movement should be kept to a minimum during school zone hours and during times of high pedestrian activity.

5.3 WORK AREA – ACCESS & EGRESS FOR CONSTRUCTION VEHICLES

Ingress

Construction Vehicles are to approach as follows:

Spencer Road –Excavation

Articulated vehicles (truck and dog) are to approach along Military Road from the West turning right onto Spofforth Street, turning right onto Spencer Road and then reversing into the demolition site under traffic control guidance. Given the depth of the proposed excavations there is no option available to enforce a left in, left out policy on this site (as per VMP).

Egress

Vehicles are to leave the construction zone by turning right onto Spencer Road and then turning left onto Military Road, to disperse to their intended destination. This will limit any impacts within the Cremorne shopping precinct (as per VMP).

Spencer Road – Concrete Pours

Vehicles are to approach along Military Road from the West turning right onto Murdoch Street, then turning left onto Rangers Road, turning left onto Spofforth Street, turning left onto Military Road, turning left onto Spencer Road and then entering the construction zone under traffic control guidance. Due to the existing trees and neighbouring driveway the concrete pump is only able to face West requiring all concrete trucks to enter via Military Road in order to back onto the concrete pump with minimal disruptions to traffic (as per VMP).

Egress

Vehicles are to leave the construction zone and turn left onto Spofforth Street, turning left onto Military Road to disperse to their intended destination (as per VMP).

Spofforth Street – Construction

Vehicles are to approach along Military Road from the West turning right onto Murdoch Street, then turning left onto Rangers Road, turning left onto Spofforth Street and then entering the construction zone under traffic control guidance (as per VMP).

Egress

Vehicles are to leave the construction zone and turn left onto Military Road to disperse to their intended destination (as per VMP).

Vehicle Volumes

General construction vehicle volume is expected to be approximately 15 truck and dog movements per day for excavation and 4 movements per day for construction. The largest concrete pour will require approximately 50 concrete trucks.

Traffic Diversions

There will be no need for Traffic diversions for this project. The road must be fully opened to the public when works are completed at the end of each day. No heavy vehicle queuing on public roads is allowed unless approved by the RMS and NSC. The Site Manager will provide strict instruction to all drivers during toolbox meetings and inductions.

Impact on Public Transport

No impact is expected on public transport with all deliveries contained wholly within the construction zones. There are Bus Stops to the North and South of the construction zone on Spofforth Street.

Pedestrians/Road Closures

Pedestrians will not be required to divert as per the attached TCPs except when concrete pours are completed on Spencer Road. There may be isolated instances where they will be required to stop for short periods while vehicles ingress/egress the work site.

Traffic Control Requirements

All site access, egress and unloading zones will require traffic control in accordance with the Roads and Traffic Authority Guideline Traffic Control at Work Sites, and Australian Standards 1742.3 Manual of Uniform Traffic Control Devices, Part 3: Traffic Control Devices for works on Roads.

The main access, egress and unloading points for these works are via council or RMS roads. Safe and simple traffic control for all road users shall be provided at all site access points in accordance with standard requirements.

(Refer to 5.2)

6.0

OTHER TMP REQUIREMENTS

6.1 Provisions for other users

TCP's must cater for all users affected by the Construction at 96-100 Spofforth Street Cremorne. These users include but are not limited to cyclists and emergency vehicles.

6.2 Hours of Operation

The hours of Operation for General Construction will be:

Construction

Monday to Friday	07.00am – 17.00pm
Saturday	08.00am – 13.00pm
Sunday & Public Holidays	No Work Permitted

Excavation

Monday to Friday	07.00am – 17.00pm
Saturday, Sunday & Public Holidays	No Work Permitted

This TMP is based on the information that was obtained from numerous sources.

This plan is presented by Peter Wietecki RMS Cert # 0051768541 on behalf of PW Traffic Plans

Peter Wietecki

Peter Wietecki
PW Traffic Plans



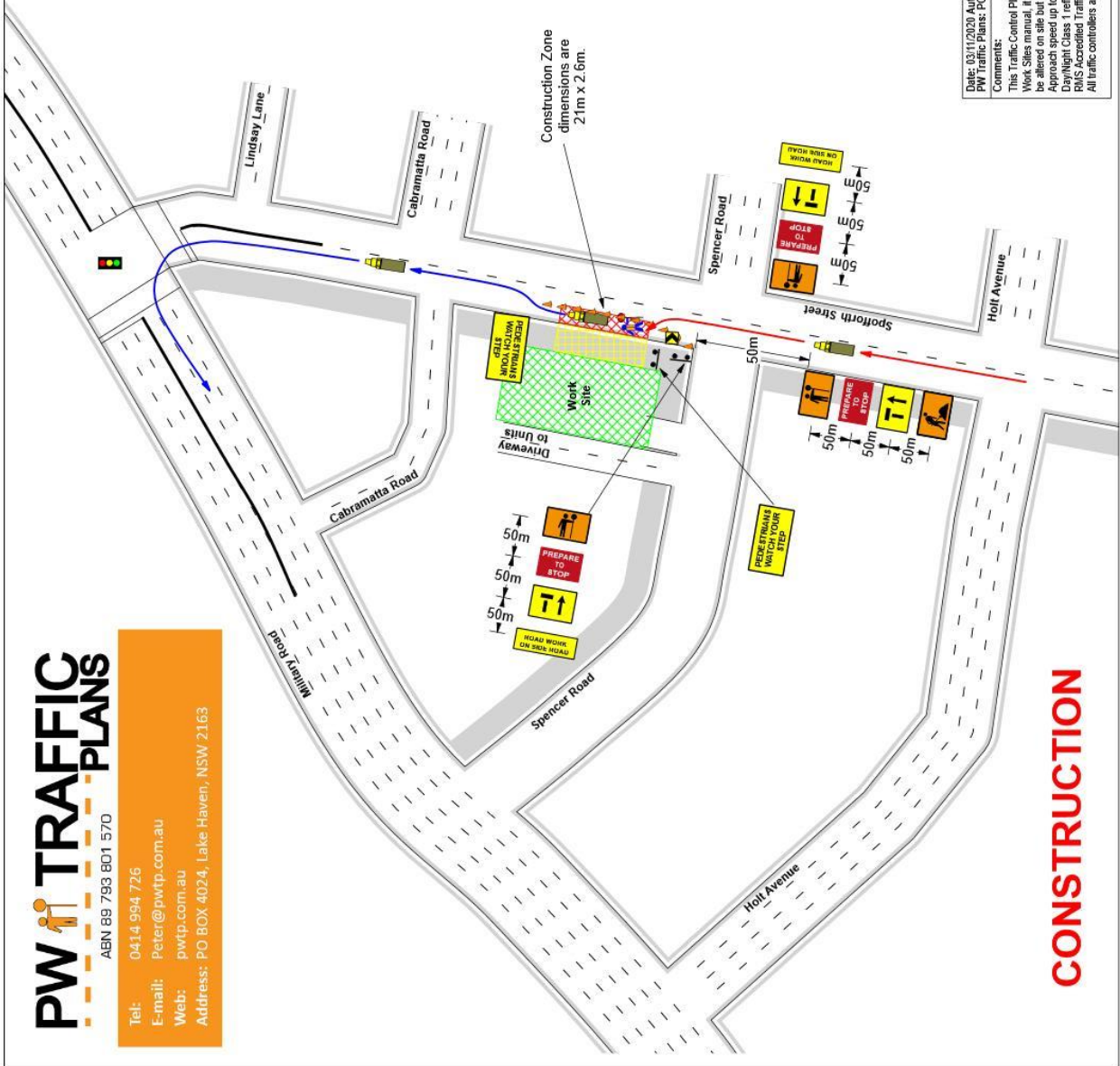
- Notes :-
- Traffic Controllers to ensure that pedestrians have safe passage along dedicated pedestrian paths.
 - Pedestrian Paths to be maintained at a minimum width of 1.5 metres.
 - Traffic Controllers to maintain a safe escape route at all times.
 - Traffic Cones to be spaced no more than 4 metres apart where required.
 - Trucks are to exit to Spofforth Street using natural flow of traffic. No turning traffic is NOT to be stopped to allow trucks to exit.
 - Buses to be given priority wherever possible.
 - Hard copies of all appropriate permits to be held by traffic controllers on duty at all times.
 - Emergency vehicles to be given high priority at all times
 - Traffic Control Plan not drawn to scale.

Traffic Signs
 Traffic Management Plan
 Code: 00579584
 Date: 03/11/2020
 Project: 96-100 Spofforth Street Crenshaw



Peter Williams
 Traffic Management Plan
 Code: 00579584
 Date: 03/11/2020
 Project: 96-100 Spofforth Street Crenshaw

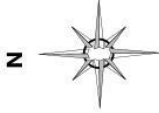
DM (Speed Limit)	Merge Taper Length	Lateral Taper Length	Buffer Length
45 or less	15	30	30
50 to 65	30	60	30
60 to 80	60	120	30
80 to 85	90	135	30
85 to 90	120	150	30
90 to 95	145	165	30
95 to 100	170	180	30
> 100	180	180	30



CONSTRUCTION

Date: 03/11/2020 Author: Peter Williams License: 00579584 Exp: 21/03/21 Project: Helm Properties 96-100 Spofforth Street Crenshaw
 PW Traffic Plans: PO Box 4024 Lake Haven NSW 2263 TCP No: 00522020

Comments:
 This Traffic Control Plan is drawn in accordance with AS 1742.3 and the RMS Traffic Control at Work Sites and Road Closures Manual. This Traffic Plan is a GUIDE ONLY and can be altered on site but must be signed by a RTA-Accredited person.
 Approach speed up to and equal to 60km/h
 Day/Night Class 1 reflective signs to be used
 RMS Accredited Traffic controllers to be employed
 All traffic controllers are to wear approved Hi-Viz PPE



Tel: 0414 994 726
E-mail: Peter@pwtp.com.au
Web: pwtp.com.au
Address: PO BOX 4024, Lake Haven, NSW 2163

- Notes :-**
- Traffic Controllers to ensure that pedestrians have safe passage along dedicated pedestrian paths.
 - Pedestrian Paths to be maintained at a minimum width of 1.5 metres.
 - Traffic Controllers to maintain a safe escape route at all times.
 - Traffic Cones to be spaced no more than 4 metres apart where required.
 - Hard copies of all appropriate permits to be held by traffic controllers on duty at all times.
 - Emergency vehicles to be given high priority at all times
 - Traffic Control Plan not drawn to scale.

Peter's Work Zone Traffic Management Plan

PETER MIELECKI
 RMS ACCREDITED
 2190021

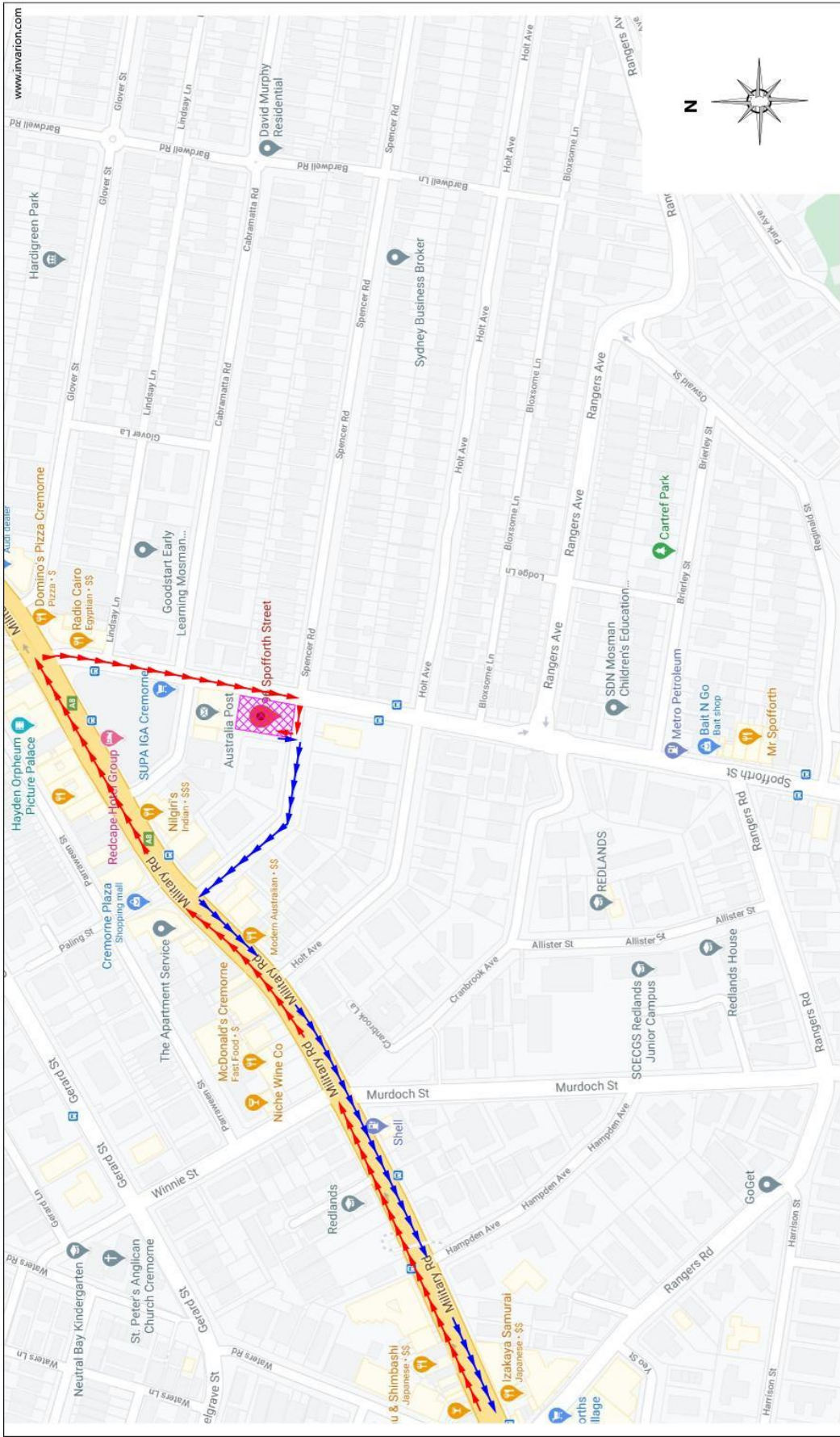
DM (Speed Limit)	Merge Taper Length	Lateral Taper Length	Buffer Length
45 or less	15	15	30
46 to 55	30	30	30
56 to 65	60	60	30
66 to 75	90	90	30
76 to 85	130	130	40
86 to 95	145	145	50
96 to 105	160	160	50
> than 105	180	180	50



Date: 03/11/2020 Author: Peter Mielecki License # 005769541 Exp 21.08.21 Project: Helm Properties 96-100 Sporth Street Cremorne
 PW Traffic Plans: PO Box 4024 Lakehaven NSW 2283 TCP No.: 00532020

Comments:
 This Traffic Control Plan is drawn in accordance with AS1742.3 and the RMS Traffic Control at Work Sites manual. It is to be implemented as such. This Traffic Plan is a GUIDE ONLY and can be altered on site but must be signed by an RTA Accredited person.
 Approach speed up to and equal to 60km/h
 Day/Night Class 1 reflective signs to be used
 RMS Accredited Traffic controllers to be employed
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CONCRETE

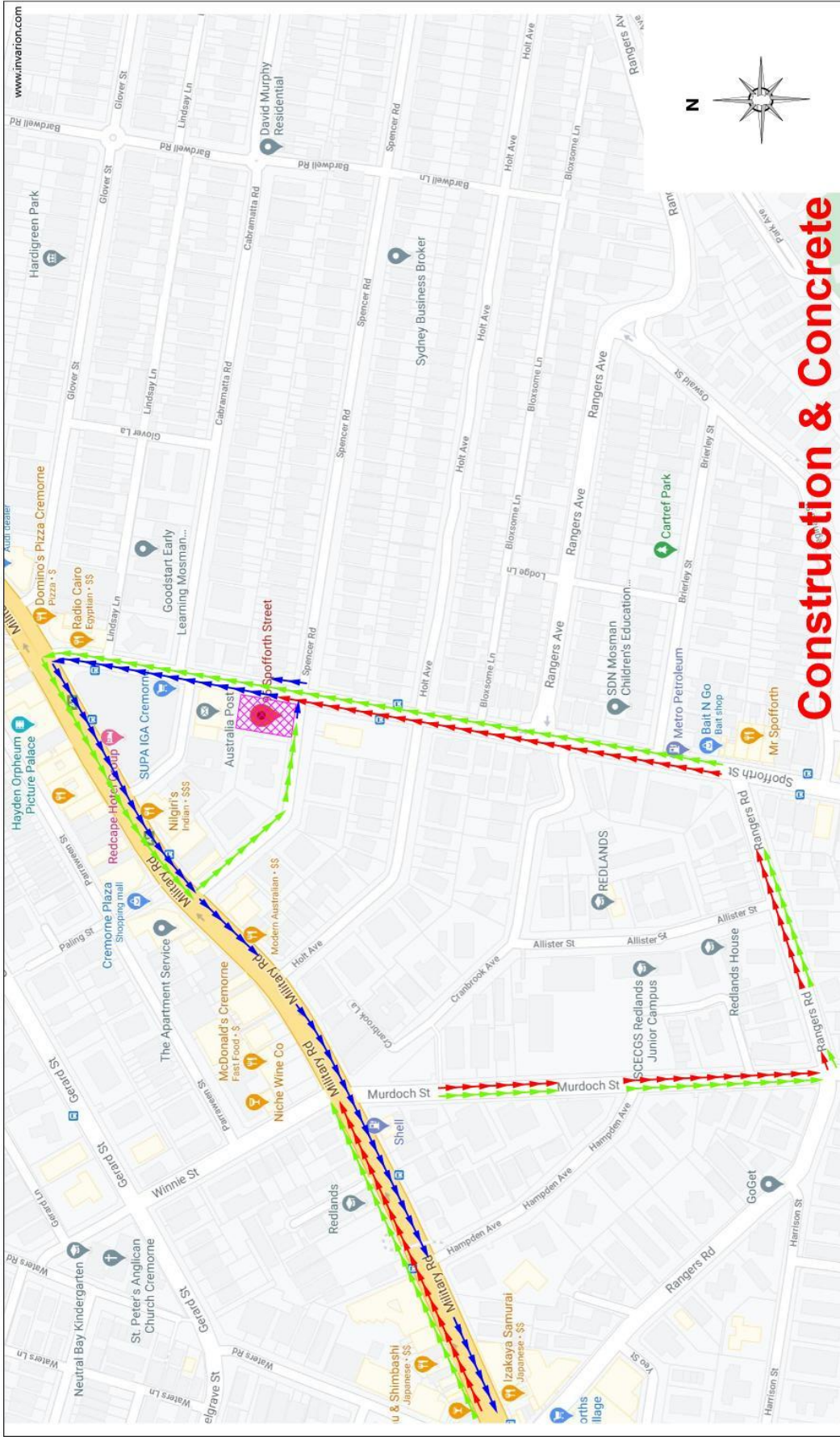


Author: Peter Weicki License # 0851768541 Exp. 21.08.21 Project: Helm Properties 96-100 Spofforth Street Cremorne VMP
Prepared by: Peter Weicki License # 0851768541 Exp. 21.08.21 Project: Helm Properties 96-100 Spofforth Street Cremorne VMP
Drawn by: Peter Weicki License # 0851768541 Exp. 21.08.21 Project: Helm Properties 96-100 Spofforth Street Cremorne VMP
Checked by: Peter Weicki License # 0851768541 Exp. 21.08.21 Project: Helm Properties 96-100 Spofforth Street Cremorne VMP
Scale: 1:1000
Date: 02/11/2020
Version: 1.0

PW TRAFFIC PLANS
 ASB 89 793 601 573
 Tel: 0414 994 726
 E-mail: Peter@pwtp.com.au
 Web: pwtp.com.au
 Address: PO BOX 4024, Lake Haven, NSW 2163

Excavation
 Construction Vehicle Ingress
 Construction Vehicle Egress

Date: 02/11/2020 **Author:** Peter Weicki License # 0851768541 Exp. 21.08.21 Project: Helm Properties 96-100 Spofforth Street Cremorne VMP
Comments:
 This Traffic Control Plan is drawn in accordance with AS1742.3 and the RMS Traffic Control at Work Sites manual. It is to be implemented as such. This Traffic Plan is a GUIDE ONLY and can be altered on site but must be signed by an RTA Accredited person.
 Approach speed up to and equal to 60km/h
 Day/Night Class 1 reflective signs to be used
 RMS Accredited Traffic controllers to be employed
 All traffic controllers are to wear approved Hi-Viz PPE



Construction & Concrete

Date: 03/11/2020 Author: Peter Wickett License: 005788541 Exp: 21/08/21 Project: Helm Properties 96-100 Spofforth Street Cremorne VMP
 PW Traffic Plans PO Box 4024 Lakemans NSW 2263 TCP No.: 0562020

This Traffic Control Plan is drawn in accordance with AS1742.3 and the RMS Traffic Control at Work Site Manual. It is to be used in conjunction with the Traffic Plan as a GUIDE ONLY and can be altered on site but must be signed by an RTA-Accredited person.
 Approach speed up to and equal to 60km/h.
 Day/Night Class 1 reflective signs to be used.
 RMS Accredited Traffic controllers to be employed.
 All traffic controllers are to wear approved Hi-Viz PPE.

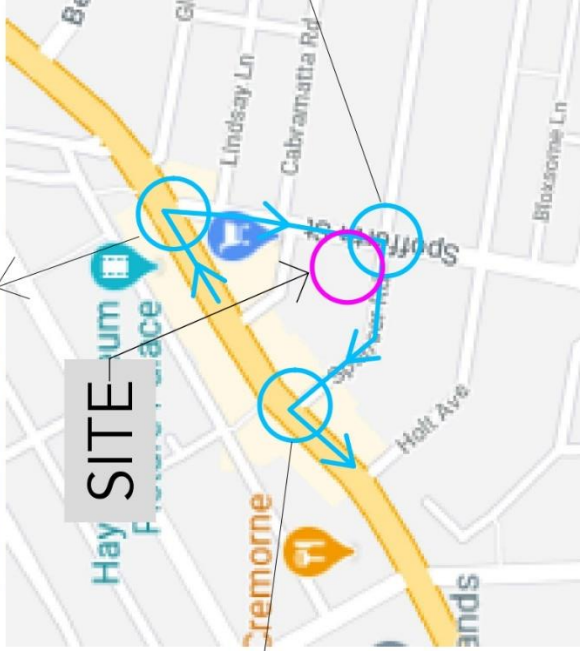
- Construction Vehicle Ingress
- Construction Vehicle Egress
- Concrete Only Vehicle

PW TRAFFIC PLANS
 ASB 05 751 601 370
 Tel: 0414 994 726
 E-mail: Peter@pwtp.com.au
 Web: pwtp.com.au
 Address: PO Box 4024, Lake Haven, NSW 2163

PETER WICKETT
 RTA Accredited Traffic Controller
 License: 005788541
 Exp: 21/08/21

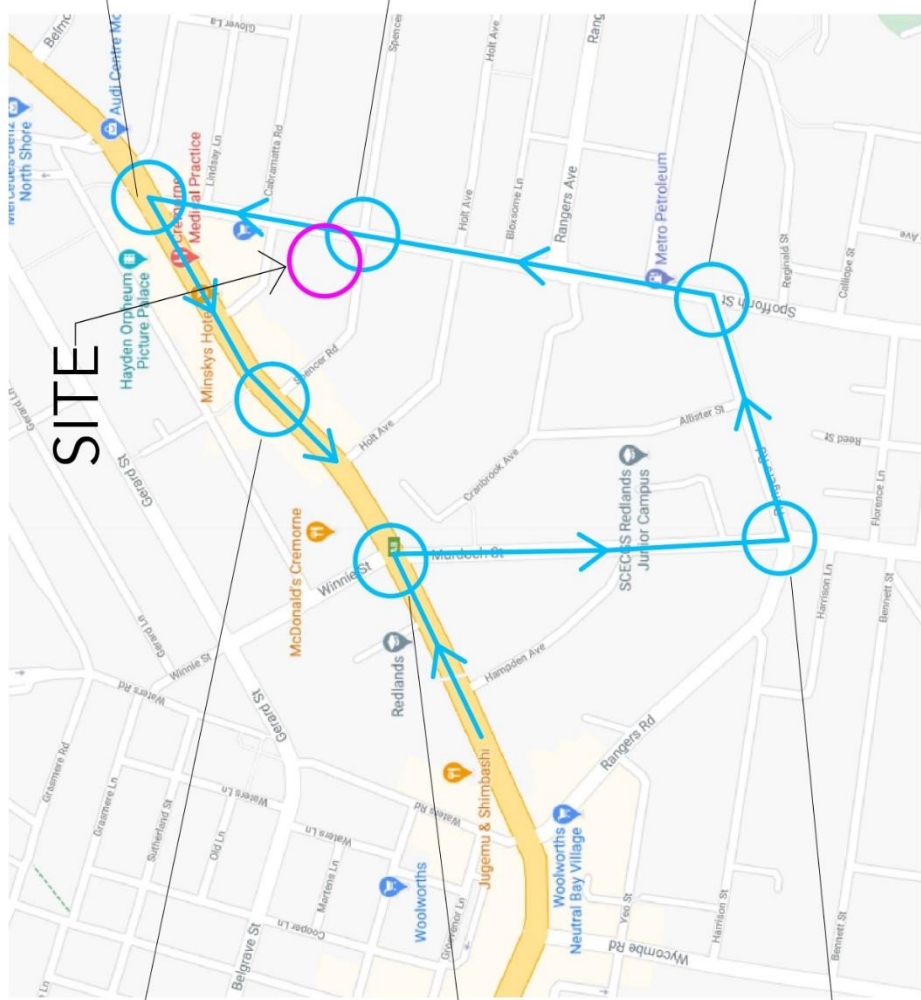


A3



<p>Site 502, James Place North Sydney NSW 2060 +61 2 8920 0800 ptc.com.au</p>		<p>PROJECT 96-100 Spofforth Street Cremorne</p>		<p>DRAWING TITLE Truck and Dog Route and Intersections</p>		<p>CLIENT HELM DRAWING # PTC-001 PROJECT # 21-3036 SCALE N/A</p>		<p>PRELIMINARY REV P2</p>	
REV	DATE	COMMENTS/DESCRIPTION	DRAWN	REVIEWED					
P2	27/02/21	FOR INFORMATION	PC	AM					
P1	28/02/21	FOR INFORMATION	PC	AM					

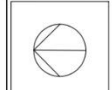
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CLIENT	HELM	PRELIMINARY
DRAWING #	PTC-001	
PROJECT #	21-3036	
SCALE	N/A	

DRAWING TITLE
HRV Route and Intersections

PROJECT
96-100 Spoforth Street Cremorne



REV	DATE	COMMENT/DESCRIPTION	DRAWN	REVIEWED
P1	18/02/21	FOR INFORMATION	AM	PS
P2	23/02/21	FOR INFORMATION	AM	PS
P3	23/02/21	FOR INFORMATION	AM	PS

Site: 503 St James Place
North Sydney NSW 2060
1-41 2 8920 0800
pticonsultants.co

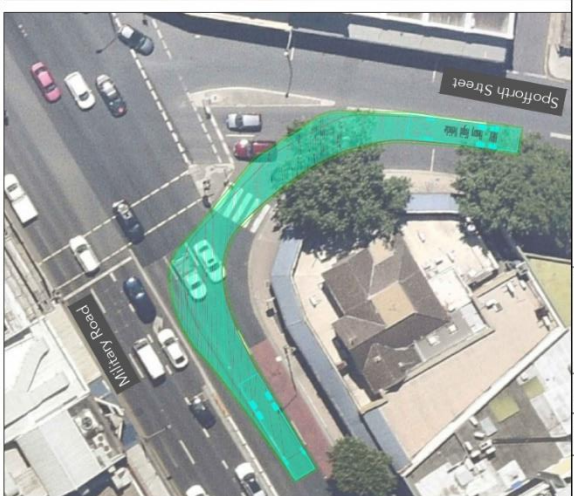
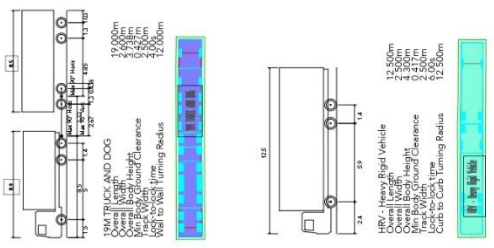


REV P4

February 4, 2021

21

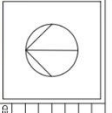
comments A3



CLIENT	HELM	PRELIMINARY
DRAWING #	PTC-002	
PROJECT #	21-3036	
SCALE	1 : 500	

DRAWING TITLE
 Sweep Path Analysis - HRV at Intersections
 and Work Zone

PROJECT
 96-100 Spoorth Street Cremorne



REV#	DATE	COMMENT/DESCRIPTION	DRAWN	REVIEWED
P1	28/02/21	FOR INFORMATION	AM	AM
P2	28/02/21	FOR INFORMATION	AM	AM
P3	28/02/21	FOR INFORMATION	AM	AM

Site: 503 - James Place
 North Sydney NSW 2060
 1 +61 2 8920 0800
 ptc Consultants Co



**CONSTRUCTION MANAGEMENT PLAN
(CONSTRUCTION STAGE)
28 JAN 21
1 of 1**

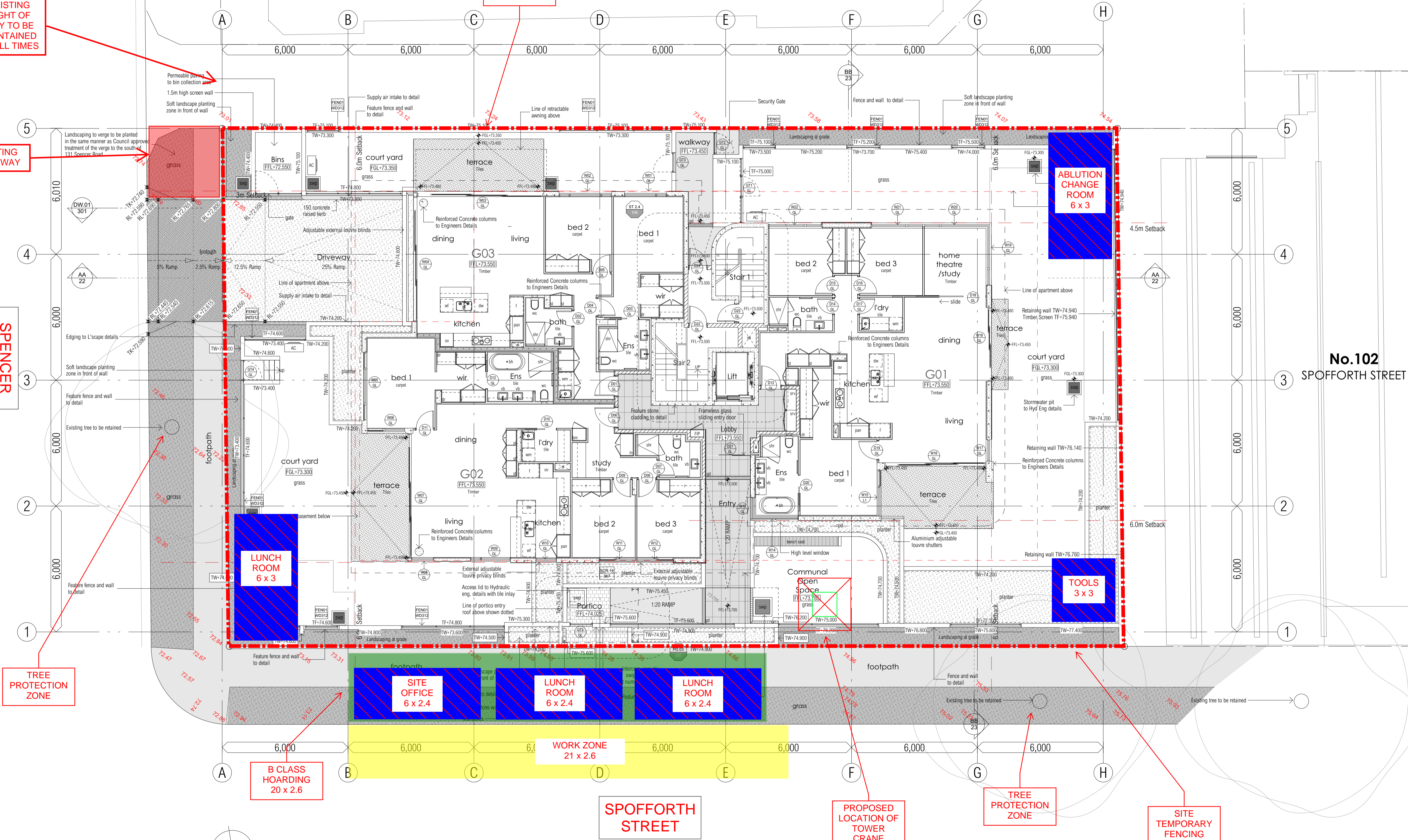
**No.131
SPENCER ROAD**

**SITE
TEMPORARY
FENCING**

**EXISTING
RIGHT OF
WAY TO BE
MAINTAINED
AT ALL TIMES**

**EXISTING
DRIVEWAY**

**SPENCER
ROAD**



**No.102
SPOFFORTH STREET**



27.08.20 P4 Preliminary Issue
24.08.20 P3 Preliminary Issue
01.07.20 P2 Preliminary Issue
27.02.20 P1 Preliminary Issue

DATE ISSUE AMENDMENTS

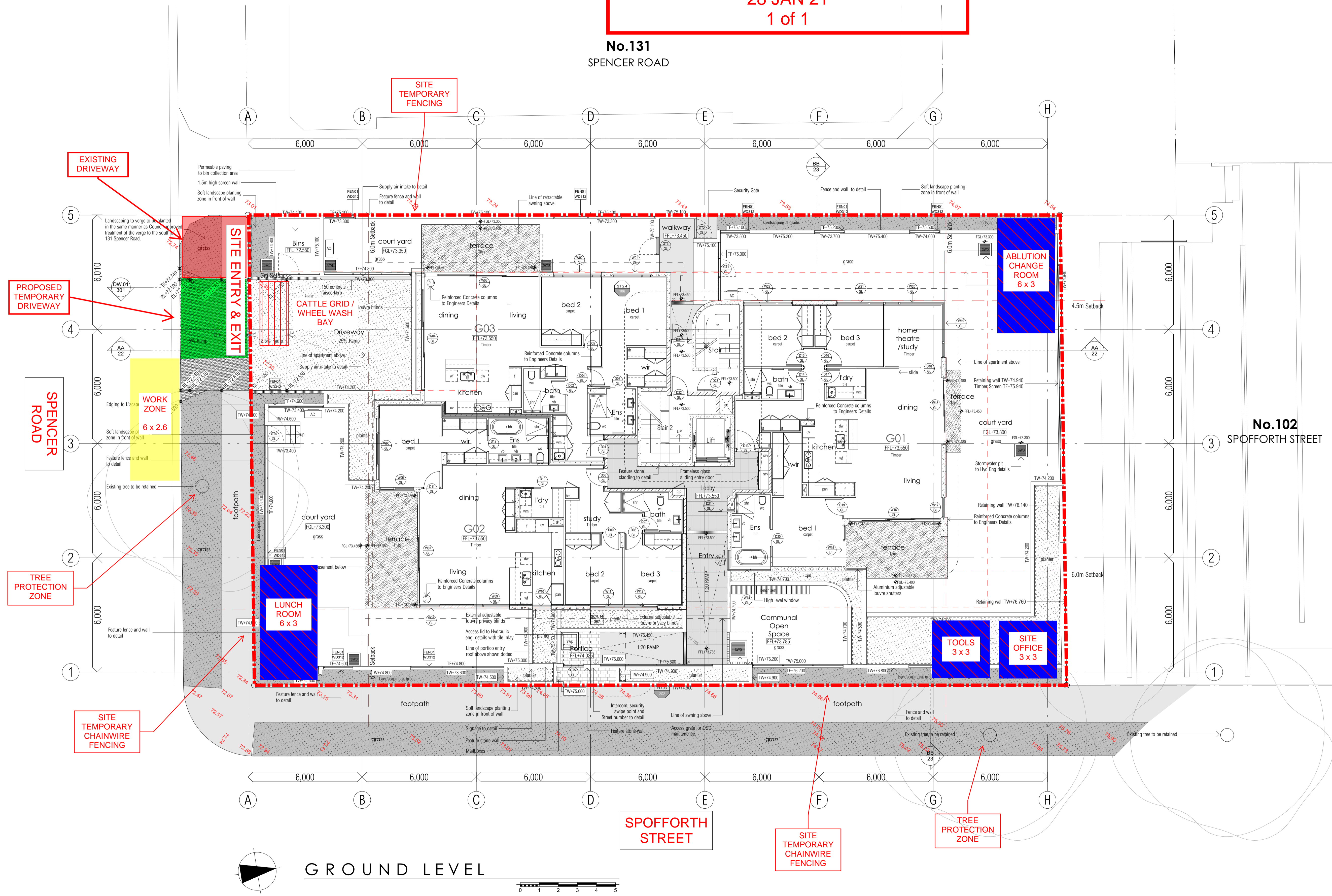


Proposed
Apartment Development
At
96-100 Spofforth Street
Mosman, NSW
For
HELM Properties Pty Ltd
DRAWING
Ground Level

DATE	SCALE	DRAWN
MAR 2019	1:200@A3, 1:100@A1	mg/ds
JOB No.	DWG. No.	Rev.
NL1817	WD.05	P4

**CONSTRUCTION MANAGEMENT PLAN
(EXCAVATION STAGE)
28 JAN 21
1 of 1**

No.131
SPENCER ROAD



No.102
SPOFFORTH STREET



27.08.20	P4	Preliminary Issue
24.08.20	P3	Preliminary Issue
01.07.20	P2	Preliminary Issue
27.02.20	P1	Preliminary Issue

DATE ISSUE AMENDMENTS



Proposed
Apartment Development
At
96-100 Spofforth Street
Mosman, NSW
For
HELM Properties Pty Ltd
DRAWING
Ground Level

DATE	SCALE	DRAWN
MAR 2019	1:200@A3, 1:100@A1	mg/ds
JOB No.	DWG. No.	Rev.
NL1817	WD.05	P4