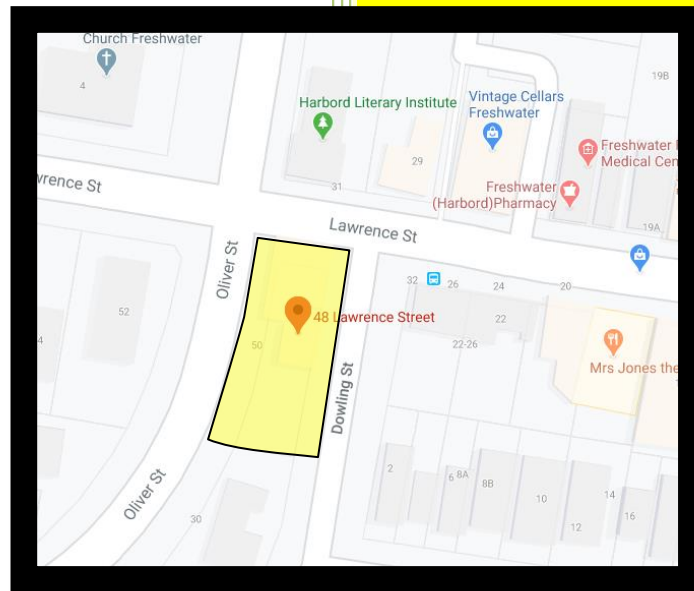




2020

Traffic Management Plan



Construction Works Traffic Management Plan

**Location: 48 Lawrence St
FRESHWATER**

UBD Ref: 198 A1

TMP No: 200

Danny Betts

Local Traffic Services Pty Ltd

20/04/2020



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1.0 INTRODUCTION

The Contracted Work for Lawrence St project consists of the demolition of the existing building and the construction of a 3-storey building. The worksite is located at 48 Lawrence St Freshwater on the corners of Oliver St & Dowling St.

The Traffic Management Plan addresses the Conditions, Approval requirements for this project, as well as Construction Works proposed by The Builder.

The objective of the Plan is to ensure that traffic issues and 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, Northern Beaches Council, NSW Police and the Emergency Services.

Through a consultative approach between The Builder, Local Traffic Services and Northern Beaches Council, this plan details as to 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 planned works adhere to and comply with the Contract requirements for; 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 Contract requirements, this Plan must also comply with:

- the requirements of relevant authorities, including RMS, Northern Beaches Council, NSW Police and State Emergency Services;
- certificates, licenses, consents, permits and approvals, including in respect of working hours; and

In accordance with the General Conditions of the Contract, this plan will provide:

- detailed traffic management procedures for the work areas;
- Traffic control plan detailing modifications to existing traffic patterns vehicular and pedestrian. (Attached)
- safety of Pedestrians, Commuters, Cyclists and personnel of both The Builder and its subcontractors;
- objectives for Material delivery management & transportation to and from site;
- roles and responsibilities of personnel and subcontractors;
- Updating of the Traffic Management Plan on an as needs basis;

1.2 Scope of Works

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

- Traffic Management while Construction Vehicles are entering and exiting the work areas;
- Control of movement of vehicles carrying construction plant/equipment around 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 subcontractors of The Builder 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
PM	Project Manager
RMS	Roads and Maritime Services
TMC	RMS Transport Management Centre
NBC	Northern Beaches Council
LTS	Local Traffic Services



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 the Project Manager.

Issue of Plan

The Builder Project Manager will ensure the approved plan is available to all relevant site personnel.

Master Copy

The most current version of the Plan is available upon request to Project Manager.

Changes to the TMP

All minor changes to the TMP will be conducted by LTS. Where major changes impact on the general concept of the plan, these changes will require a further revision being issued in consultation with the Project Manager.

Distribution Policy

Controlled copy of the TMP is held by The Builder. All company employees have access to this plan through the Project Manager. The list of holders of controlled copies of the plan includes:

Copy No.	Issued to	Issue date	Issued By
01	Project Manager		
02	Site Manager		
03			
04			
05			
06			

The personnel to whom these copies have been issued will be sent amendments as they occur, and it is their responsibility to discard superseded pages and insert new pages.

Uncontrolled Copies

Uncontrolled documents will not 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 Project Manager within seven days to ensure further amendments are received.



3.0 conditions of approval

The checklist detailing the verification process to ensure Contract requirements have been met in this Traffic Management Plan for the Conditions of Approval is detailed below.

CONDITION OF APPROVAL	WHERE ADDRESSED
The Traffic Management Plan (TMP) has been prepared in consultation with relevant The Builder personnel. The TMP must include information on the following matters relating to the Project:	
a) including the staging of construction works to minimise traffic and pedestrian delays;	All sections
b) the impact on pedestrians including measures to ensure safety to pedestrians at all times;	Section 5.3
c) average truck volumes;	Section 5.3
d) truck ingress and egress routes;	Section 5.3
e) access for construction vehicles entering and leaving Work Area;	Section 5.3
f) no heavy vehicle queuing on public roads unless otherwise agreed by the Northern Beaches Council and/or the RMS;	Section 5.1
g) construction traffic generation;	Section 6.5
h) a response plan which sets out the proposed response to any traffic, construction or other incident;	Section 6.3
i) proposed traffic control measures within Traffic Control Plans;	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 TMP;	Section 5.1
The performance of all project traffic arrangements must be monitored during construction. Any additional traffic and transport management measures as legally required by the RMS shall form part of the TMP.	



4.0 STAGING PLANS, PROPOSED SEQUENCE OF WORKS

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

4.1 Work Area – 48 Lawrence St (Dowling & Oliver St) Freshwater

Date	Stage	TCP No:	Activity
20/04/20	1	3040	Site Entry/ Exit TC (Dowling & Oliver St)
	2		
	3		



5.0 Proposed Programme

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

Work Area	Start Date	Finish Date
Work area	TBC	TBC

5.1 Managing Cumulative Impacts

The Construction vehicles are to be staged so that there is no cueing on Lawrence St; Oliver St; Dowling St or any public roads. Any large amounts of deliveries will need to be organised in advance to reduce any cumulative congestion impacts attributed to traffic.

As outlined in Section 6.4 Review and monitoring of traffic conditions, 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, The Builder shall liaise with LTS to solve the problem. (Per contact details in Section 6.3).

5.2 Work area assessment and impacts

This section details the individual requirements for the work area, and is based largely on the findings of the Proposal. Lawrence St is a 2 lane 2-way road with kerb side parking in sections. Dowling St is a 2 lane 2-way road with kerb side parking in sections. Oliver St is a 4 lane 2-way road with kerb parking at times. All deliveries will enter and exit via the gates on Dowling St or Oliver St during the works. All Construction vehicles must enter and leave the site in a forward direction where possible. No major vehicle movement must be done before 7.00am. Construction materials; spoil removal; plant and equipment will be transported by Trucks and Utes into and out of the Work Area. The builder may require a Works Zone for the build, if so, they will obtain approval through Northern Beaches council prior. Construction vehicles will be unloaded and loaded inside the site. During construction, the proposed works will generate additional truck movements along the main access routes.

5.3 Work Area – Access & Egress for Construction

Construction vehicles will only use the routes below as per Vehicle Movement Plan 3040-1

Dowling St

Access
Vehicles that are approaching the site will use Pittwater Rd; Oliver St; Cavill St; Crown Rd; Dowling St; Lawrence St and Oliver St.

Oliver St

Egress
All vehicles exiting from the site will use Dowling St; Lawrence St; Oliver St and Pittwater Rd.



5.4 Truck Volumes

During the construction works there will be approximately 6 delivery vehicle movements per day; this number will increase when a concrete pour takes place.

5.5 Traffic Diversions

There will be no need for traffic diversions for this Project.

5.6 Impact on Public Transport

There is a bus stop on Dowling St outside the site which will be unobstructed during the works. The site access gate will prior to the Bus Stop.

Other Public transport vehicles that may be affected will only have minor disruptions when construction vehicles are accessing or leaving the construction site via the gates on Dowling or Oliver St.

5.7 Pedestrians / Road Closures

There will need to be a minimum 1.5m width of footpath left clear for pedestrian access. Pedestrians may be held only for very short periods to ensure their safety when trucks are entering or leaving the site. There are no road closures required for these works.

5.8 Traffic Control Requirements

All site access, egress and Unloading Zone will require Traffic Control in accordance with the Roads and Maritime Services Guideline *Traffic Control at Work Sites*, and *Australian Standard 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 this Work Area are via RMS / Council 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 Provision for other users

This TMP must cater for all users affected by the Lawrence St Project. These users include, but are not limited to cyclists and emergency vehicles. The requirements are detailed below:

- Cyclists will be affected when vehicles are entering or exiting the site. At all locations, the provision for cyclists should be assessed as per the RMS’s Traffic Control at Worksites Guidelines (Section 9.4).
- Emergency vehicles shall be given clear access when required.

6.2 Emergency Response Procedures

In the event of any incident / emergency on site, or one that is contained within the road traffic management areas, the Site Manager will make direct contact with the relevant emergency service as required.

The following are the primary contacts for the project works with consideration of traffic management and monitoring on the project:

Organisation	Contact	Position	Contact Number
The Builder	TBC	Project Manager	TBC
The Builder	TBC	Site Manager	TBC
RMS	TMC Transport Management Centre		131 700
Northern Beaches Council		Traffic Engineer	

6.3 Review and Monitoring of Traffic Conditions

Traffic issues including the monitoring of the operations of traffic flow and the effective operation of intersections will be monitored by the Site Manager. The Site Manager is responsible for the coordination of the activities of work crews on site during the operations across the work area.

Reports of any traffic conditions which may be of concern will be reported back to the representatives from council or RMS as applicable (i.e. dependent on which roads/intersections issues arise on). An experienced traffic and transport management consultant will be available to review and advise on the implementation of any traffic management issues and amendments as required.

6.4 Vehicles associated with Construction

Traffic associated with the construction will include workers’ transport, trucks, and plant and equipment. All Drivers will be issued the approved truck route plan and must adhere to the routes stipulated (VMP 3040-1) and also must obey all road rules.

The works will require the following plant and equipment:

- Bogie Truck;
- Concrete Trucks;
- Ridged Trucks;
- Cars, Utes and Vans;
- Small Trucks.

No parking will be available onsite during the construction works. Employees will be encouraged to carpool to the site to reduce the impacts on on-street parking or utilise the available public transport.



6.5 Normal Construction Hours

Worksite hours will specifically be in accordance with the Conditions of Approval:

“Construction activities must be restricted to the hours of 7.00am to 5:30pm (Monday to Friday); and 8:00am to 1:00pm (Saturday) and at no time on, Sundays and Public Holiday.”

6.6 RMS Road Occupancy Licence (ROL)

An ROL is required if the proposed activity:

- Is on a State Road
- Is on a Regional Road
- Is on an Arterial Road
- Is on a Local Road that may impact traffic flow on a State or Regional Road
- Occurs within 100m of a traffic facility.

An ROL will be required for Lawrence or Oliver St.

If any additional ROLs are required at least 12 working days (Mon-Fri) notice must be given.

7.0 COMMUNITY RELATIONS MANAGEMENT

7.1 Stakeholders/Community impacted

The target audience identified can be generally categorised into the following key groups:

- Northern Beaches Council;
- Roads and Maritime Services;
- Emergency Services;
- Public transport users;
- Motorists;
- Property owners and residents.

The Builder will do regular notifications to the local residents and businesses to minimize any safety hazards.



**Construction Works
Traffic Management Plan**

2020

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

This plan is presented by Danny Betts RMS Cert # 0051854994 on behalf of Local Traffic Services.

A handwritten signature in black ink, appearing to read 'D. Betts', with a long horizontal flourish extending to the right.

Signed _____

Danny Betts
Supervisor
Local Traffic Services

TCP

www.invarion.com

Local Traffic Services

Plan Drawn By: DANIEL BETTS
0402 746 408
9603 8886

NSW Transport Roads & Maritime Services
Program & Work Zone Traffic Management Plan
Contract No: 007/00994

Entry Date: 14/11/2020

Client
Builder

Date
29/04/20

Plan No: 3040

Type Of Closure
Site Entry & Exit

On Site Contact
TBC

Speed of traffic Km/h	Traffic controller at beginning of taper	Lateral Shift Taper	Merge Taper
45	15	0	15
46-55	15	15	30
56-65	30	30	60
66-75	N/A	70	115
76-85	N/A	60	130
86-105	N/A	90	145
Greater	N/A	100	160
105	N/A	110	180

Location Of Work UBD REF
48 Lawrence St FRESHWATER 198 A1

Client
Builder

Date
29/04/20

Plan No: 3040

Type Of Closure
Site Entry & Exit

On Site Contact
TBC

Speed of traffic Km/h

Traffic controller at beginning of taper

Lateral Shift Taper

Merge Taper

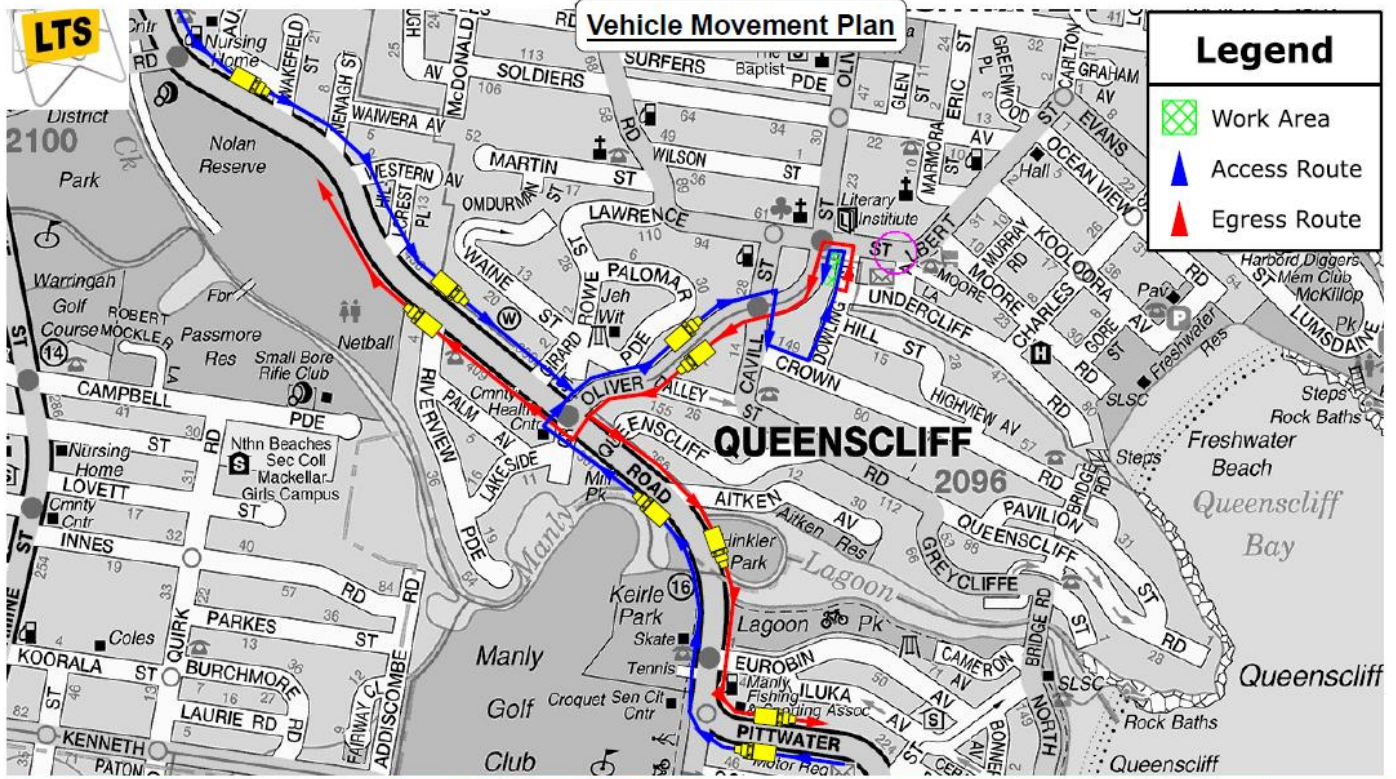
North Arrow

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* This plan remains the property of (LTS). *This TCP is not to scale. *This TCP Complies with Australian Standards 1742-3 and the RTA Traffic Control at Work Sites Manual.

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VMP

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Legend

- Work Area
- Access Route
- Egress Route

Local Traffic Services Plan Drawn By Danny Betts 0402 746 408 9603 8886	 DANIEL BETTS Entry Date: 14/11/2021	Client Builder	Date 29/04/20	Plan No: 3040-1 Type Of Closure Vehicle Movement Plan On Site Contact TBC	Speed of traffic Km/h 45 46-55 56-65 66-75 76-85 86-105 Greater 105	Traffic controller at beginning of taper 15 15 30 N/A N/A N/A N/A	Lateral Shift Taper 0 15 30 70 60 90 100 110	Merge Taper 15 30 60 115 130 145 160 180	
		Location Of Work UBD REF 48 Lawrence St FRESHWATER	Date 198 A1						
		Local Traffic Services (LTS), accepts no liability for the implementation or execution of this TCP unless undertaken by Authorized (LTS) personnel. * All Traffic Control plans are copyright / Property of (LTS) & are not transferable unless Authorized by (LTS). * This plan remains the property of (LTS). * This TCP is not to scale. * This TCP Complies with Australian Standards 1742-3 and the RTA Traffic Control at Work Sites Manual.							

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