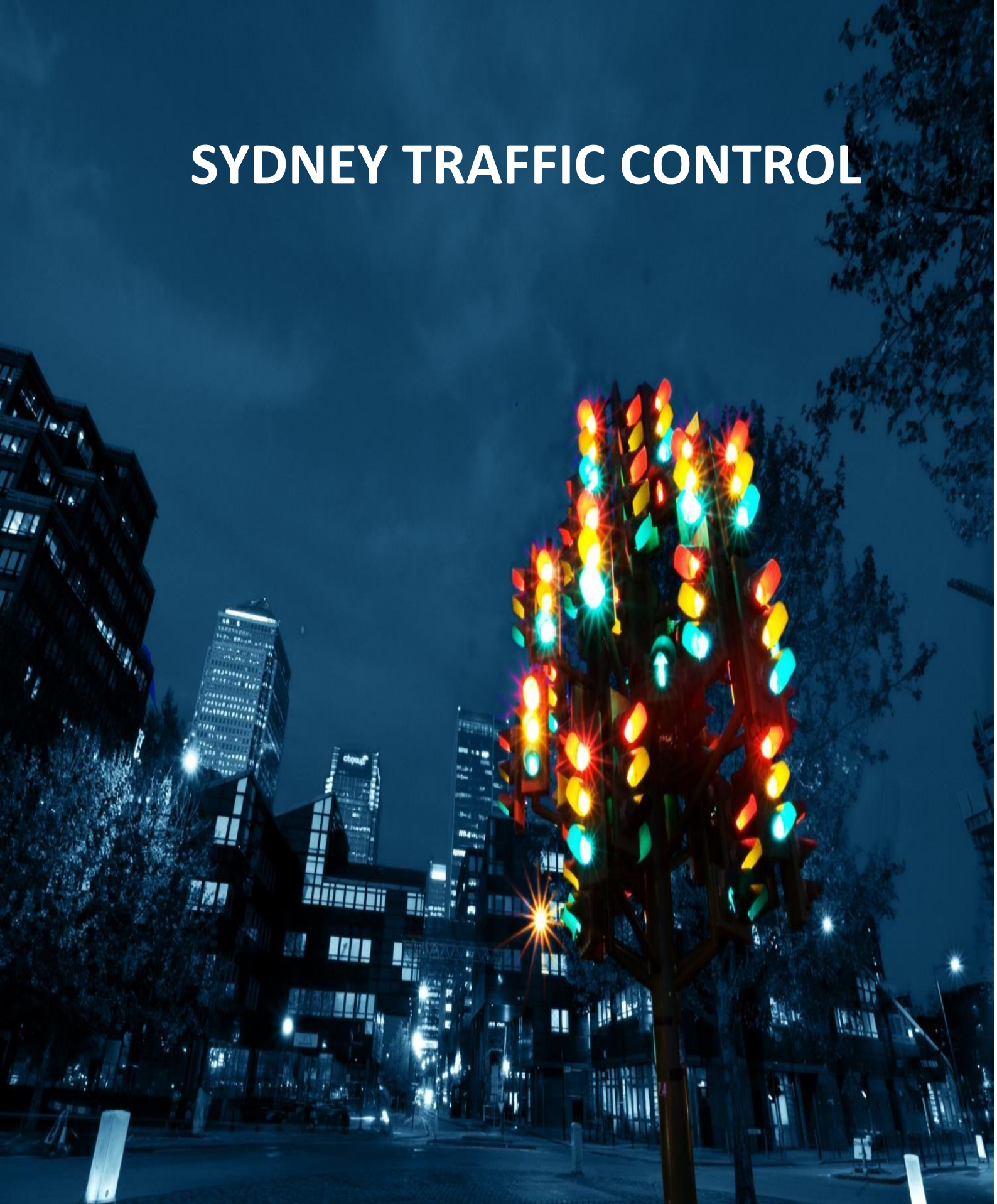


SYDNEY TRAFFIC CONTROL



Construction Traffic Management Plan (CTMP)

**191 Whale Beach Road, Whale Beach NSW
2107**

OVERVIEW

This Construction Traffic Management Plan covers the Partial Demolition of the existing cottage on the named location, excavation of new pool and basement level into steep with much of the fill to be reused on-site, the approx of 200 m3 to be removed from the site, and construction of new Pool and single dwelling on **191 Whale Beach Road, Whale Beach**. The CTMP covers road conditions, traffic calming devices, speed limits & traffic-related issues during the period to complete the works.

METHODOLOGY

This CTMP applies to all parts of the works at the noted location & is to be in place for the duration of works; it is not intended to be in place after the conclusion of works or for maintenance after the construction is completed.

1. Access to the site will be from Whale Beach Road only.
2. Vehicles loading and unloading will be located at the bottom of the existing driveway.
3. Site hours will be: 07:00 AM to 5:00 PM Monday to Friday and 8:00 AM to 1:00 PM on Saturday.
4. Transport for NSW guidelines are to be followed for works on a road reserve.
5. Deliveries to the site are staggered to avoid traffic congestion & queuing.
6. A dedicated UHF channel is to be selected before the commencement of works.
7. Size B signs are to be used on approaches to the worksite.
8. Site is to be sealed using metal fencing and barrier. In case of any work on footpath or roadway, installation of road plates must be completed together with signage. While unmanned out of hours, the worksite must be isolated from pedestrians using signage & pedestrian barriers.
9. Council & all relevant Permits must be on-site at all times during works.
10. There is no onsite parking for trades and visitors, the driveway will be only for deliveries and trucks.
11. Pedestrian management using signs & pedestrian barriers are to be in place, if works infringe on pedestrian access ways then additional measures are to be put in place.
12. ATF style fencing is to be in place around the perimeter of the worksite.
13. Emergency vehicles will have access to the site at all times.
14. The Traffic Management Plan is to remain in place for the duration of the work being carried out at this location.

ROAD LAYOUT: Construction site located on Whale Beach Road which is a Council road located in the residential sector of Whale Beach, it is a bitumen sealed road with formed kerb, gutters, and pedestrian footpath on one side of the road. The site is limited between Beauty Drive and Malo Road.

QUEUE LENGTH: Vehicle queuing may be an issue at this location, monitoring should be a priority at all times & for any works that require stop/slow control measures. Bookings and turns must be implemented to avoid congestions.

PEDESTRIANS: There is a footpath on the side where the construction site is located. Pedestrian signage is to be in place to give warning of works to approaching pedestrians, pedestrians will be directed by signage in front of the site if the footpath needs to be blocked traffic controllers must be on-site to assist.

CYCLISTS: Cyclists will not be affected & will be subjected to normal road rules.

NOTIFICATION: notification is to be given in advance, to residences of impending works that will affect them, notification to be given by letterbox drop & door knocking as required.

EMERGENCY VEHICLES: Emergency vehicles are to be given priority at all times at this location.

PARKING: Tradies will have to park vehicles on surrounding streets or catch public transport. If parking on the street they are to obey posted signs.

WORK VEHICLES: All work vehicles are to be positioned in the loading zone (driveway within property boundaries) so as not to interrupt regular traffic flow, any vehicles on Whale Beach Road must comply with Council requirements.

TRAFFIC EFFECTS: Impact of works on surrounding streets shall be minimal, and limited to Whale Beach Road, as shown in the Ariel site image below.

TRAFFIC CONTROL: The number of traffic controllers will depend on the sort of work to be carried out.

SITE CONTACTS: The site shall be posted with emergency contact details, and the local residences are given advanced notification with contact numbers available 24 hours.

VMS BOARDS: Will not be required at this location.

Construction Traffic Management Plan

AERIAL VIEW



WHALE BEACH ROAD – FRONT VIEW



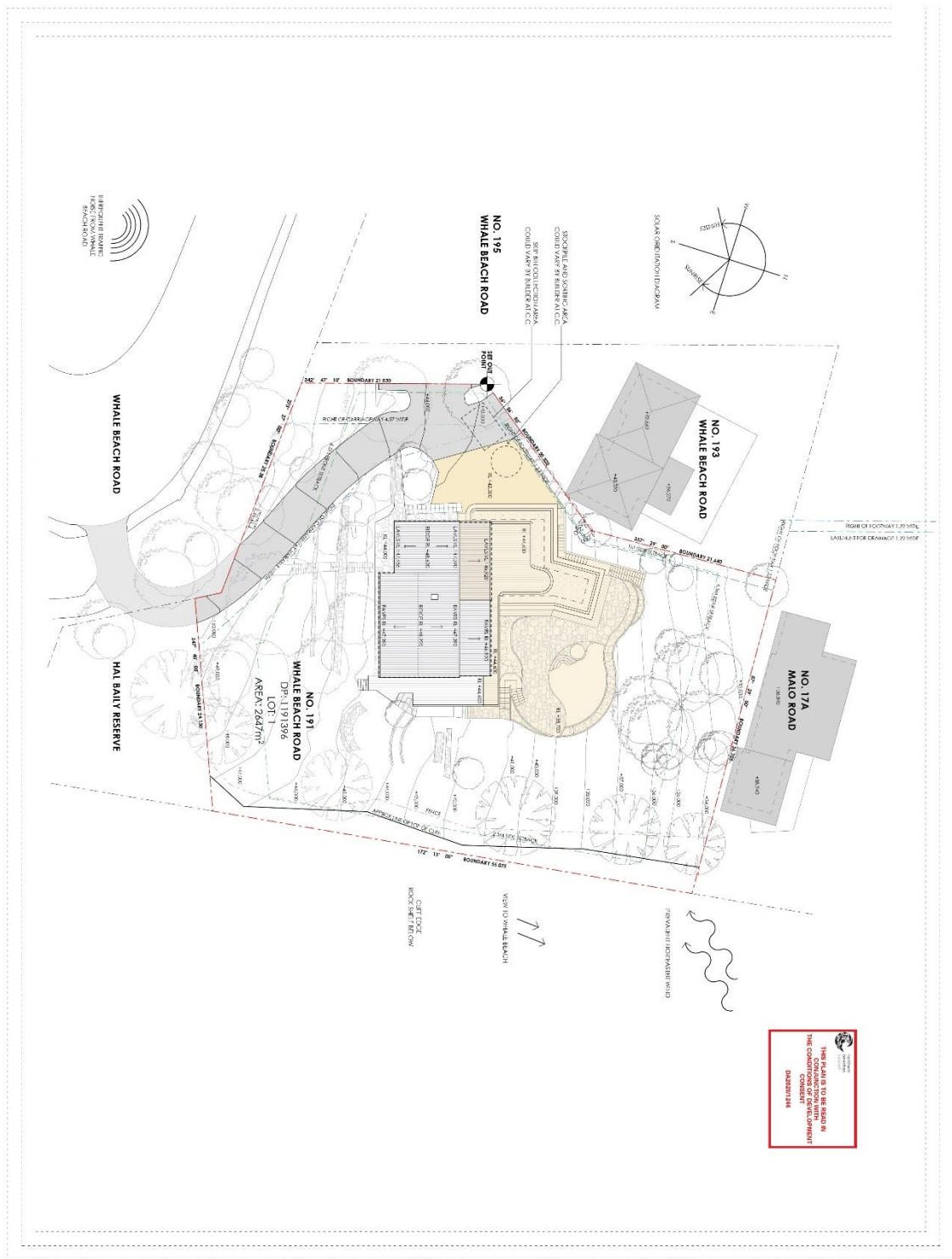
WHALE BEACH ROAD - NORTHBOUND



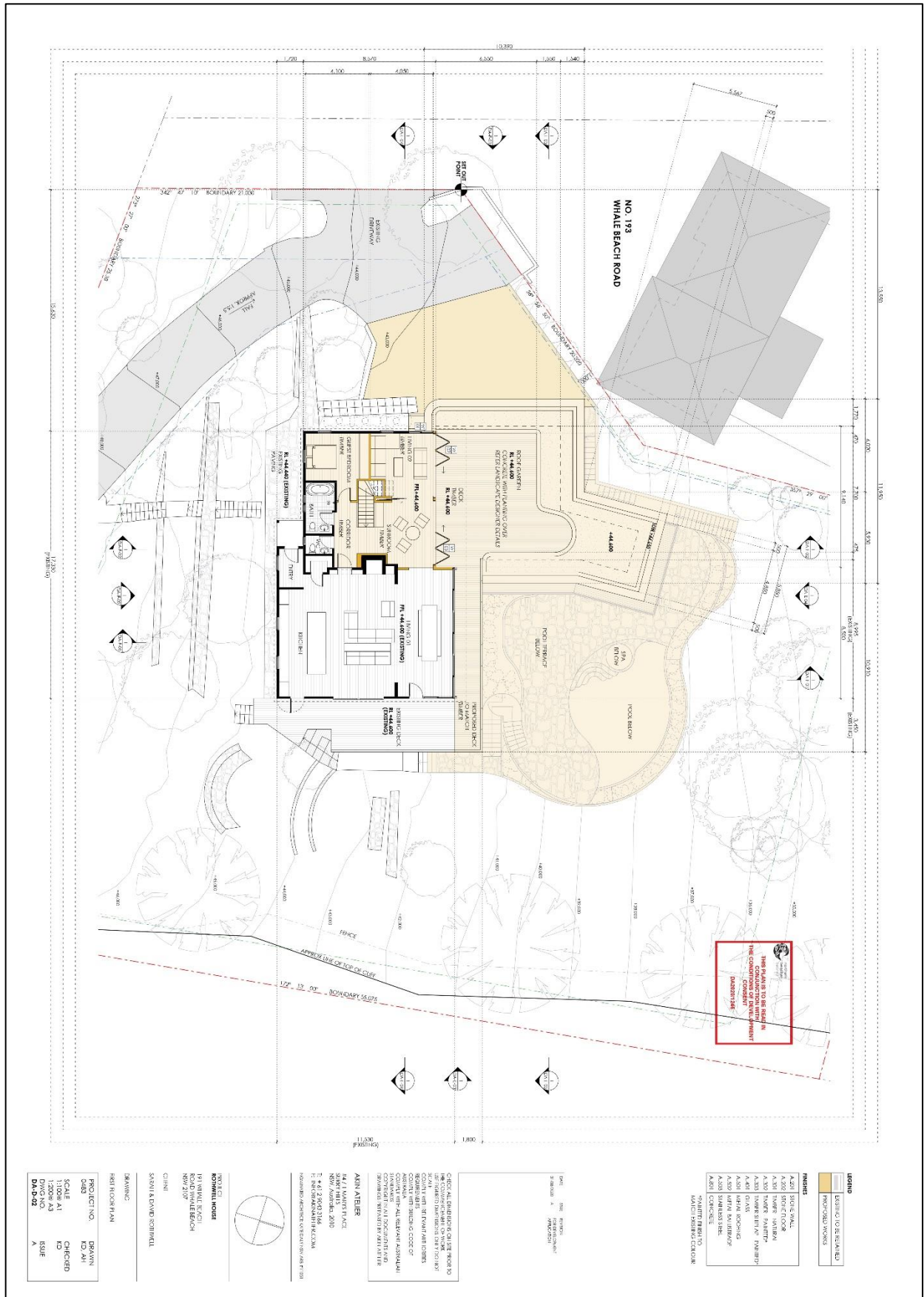
WHALE BEACH ROAD - SOUTHBOUND



SITE PLAN – GROUND FLOOR

[illegible]

SITE PLAN – FIRST FLOOR



OBJECTIVES

The key objectives of this CTMP are:

1. Satisfy the key legal requirements related to Traffic, Transport, and Access.
2. Ensure no one is injured on the project and there is no property damage.
3. Clarify vehicles movement when coming in and out of the construction site.
4. Show the different scenarios to be completed during construction.
5. Maximize the value and outcomes of traffic monitoring activities.
6. Guide the different actors involved along with the different phases during the construction.
7. Minimize delays to traffic and consider the needs of all road users.
8. Minimize the impact of the new development on the traffic users.
9. To ensure compliance with relevant specifications and the RMS's – 'Traffic Control at Work Sites' Handbook.

CONSTRUCTION ACTIVITIES

<u>Stage</u>	<u>Estimated Duration</u>
Demolition	01/03/2022 to 21/03/2022 3 weeks
Piling	01/04/2022 to 14/04/2022 2 Weeks
Driveway extension	14/04/2022 to 30/04/2022 2 Weeks
Excavation	01/05/2022 to 01/06/2022 4 Weeks
Construction	01/06/2022 to 01/06/2022 52 weeks
	Total = Approx 65 weeks

TRADING HOURS

All activities related to the construction may only be carried out between the following hours:

Monday to Friday: 7:00am – 5:00pm

Saturday: 8:00am – 1:00pm

No work is permitted on Sundays or Public Holidays

Demolition and excavation using heavy machines need to be limited between 7:00 am and 6:00 pm Monday to Friday. No demolition or excavation using machinery to happen on Saturdays and Sundays. Where works must occur outside of these hours (i.e.) placement of concrete for large floor areas on large residential/commercial developments or where building processes require the use of oversized trucks and/or cranes that are restricted by Transport for NSW (TfNSW) from traveling during daylight hours to deliver, erect or remove machinery, tower cranes, pre-cast panels, beams, tanks or service equipment to or from the site, approval for such activities will be subject to the issue of an "*outside of hours works permit*" from Council as well as notification of the surrounding properties likely to be affected by the proposed works.

SITE CONTACT

Company	Name	Position	Contact Details
Lovett Custom Homes	Harvey Webb	Planning	0475424855
Lovett Custom Homes	Warren Kearney	Site Manager	0419212316
Northern Beaches Council		Inspector	1300 434 434
Mona Vale Police Station		Officer	(02) 9998 0699
Fire and Rescue NSW Avalon Fire Station		Officer	(02) 9918 3938
Emergency Contact	Warren Kearney	Site Manager	0419212316

LOADING ZONES

Lovett Custom Homes propose to implement a loading zone within the boundaries of the property. The main driveway will be used to park the truck which needs to be loaded and unloaded. Deliveries and loading and unloading of materials, skip bins & plant/machinery equipment will be conducted wholly from within the site boundaries. ***See TGS attached for more information.***

VEHICLES MOVEMENT

Adequate advanced warning and directional signage will be placed upon approach to the site. The signage will direct drivers to the site. A specific UFH channel will be selected and informed to all drivers coming into the construction site to advise in advance when approaching the site.

The trucks' movements will be carried out taking into consideration the surrounding building and roads. Adequate mitigation measures will be put in place to ameliorate conditions.

All exiting trucks will be loaded to their prescribed weight limits. All trucks will be covered by tarpaulin or before exiting as required. All vehicles leaving the site must have clean wheels. It is the responsibility of each driver to confirm their vehicles are clean before exiting the site. At points of vehicle egress, the driver will ensure they give way to vehicles, pedestrians, and cyclists before exiting, traffic controllers will be strategically placed by traffic control plans.

This CTPMP and all plans associated with it should be given to all drivers visiting the site before arrival.

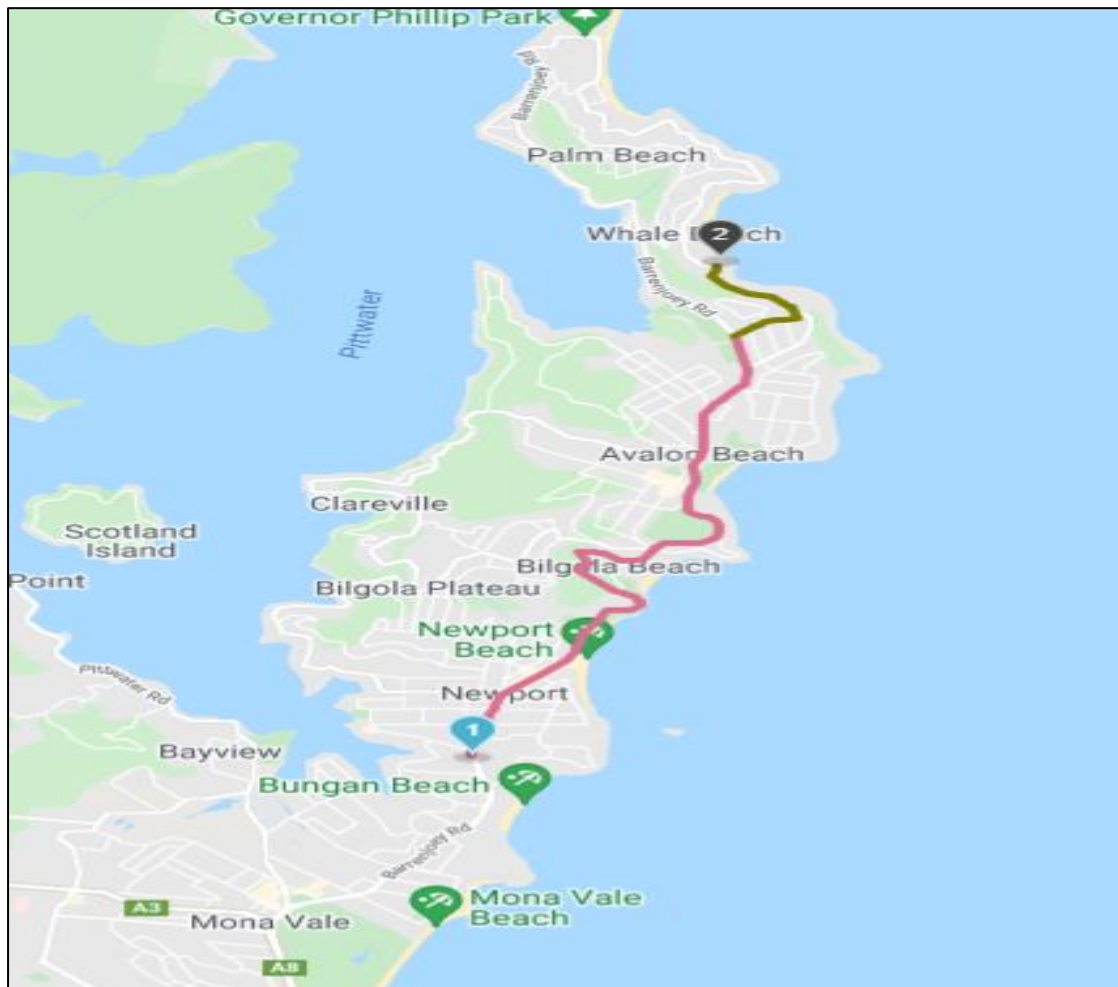
ACCESS ROUTE

Access to the site will take place at one location. This will be from the South of Whale Beach Road as seen below.

Vehicles accessing the site will use State roads unless otherwise stated in this document.

1. Vehicles will approach the site using the Access routes outlined in this document.
2. Vehicles accessing the site using the Northern Access Routes below.
3. Vehicles accessing the site will do so as shown below, moving in a forward direction.
4. Certified traffic controllers will be on-site to assist with significant vehicle movements to the site.

ACCESS ROUTE



251 Barrenjoey Rd

Newport NSW 2106

- ↑ Head north on Barrenjoey Rd towards Queens Parade E

3.3 km

- ↻ At the roundabout, continue straight to stay on Barrenjoey Rd

2.5 km

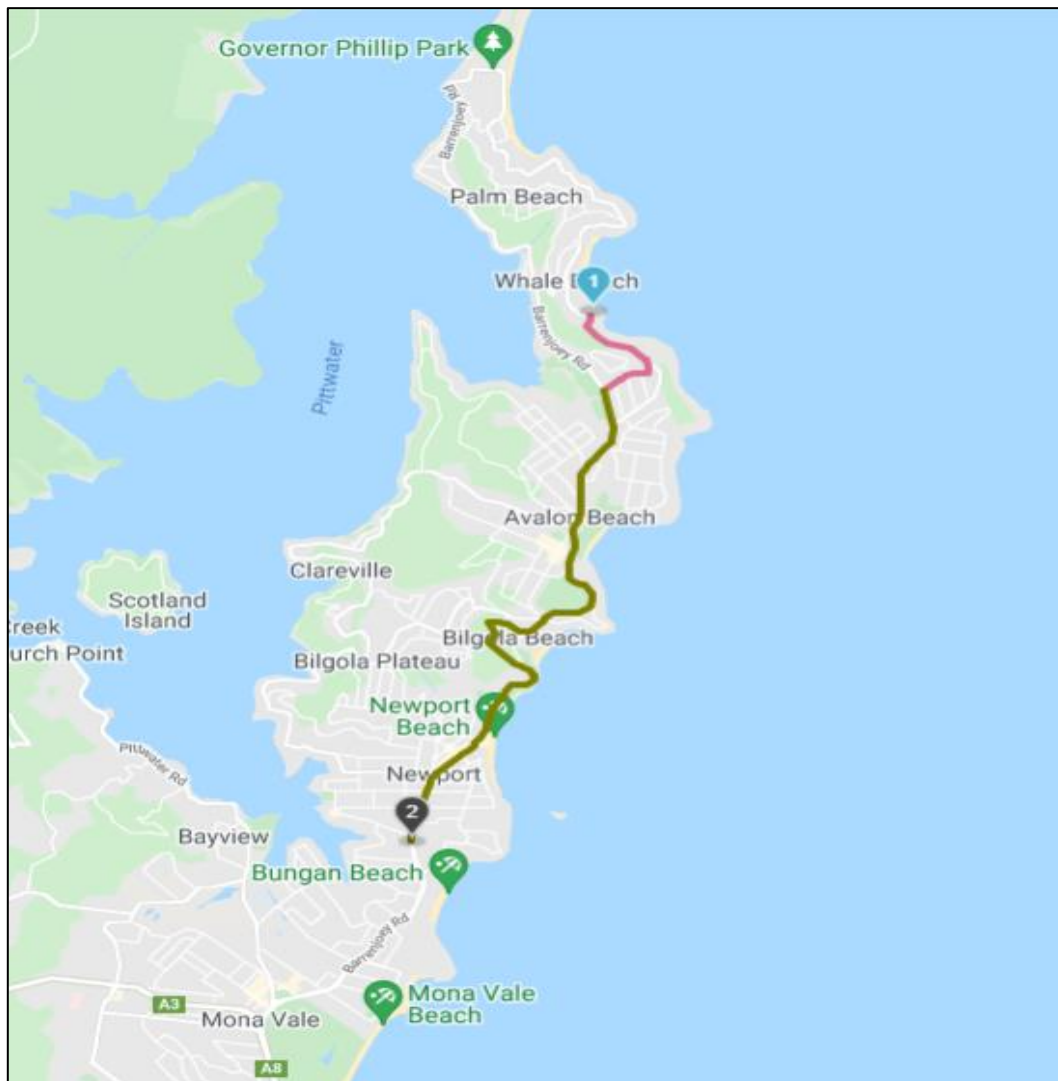
- ↘ Turn right onto Whale Beach Rd

1.6 km

191 Whale Beach Rd

Whale Beach NSW 2107

EGRESS ROUTE



191 Whale Beach Rd

Whale Beach NSW 2107

- ↑ Head south-east on Whale Beach Rd towards Beauty Dr
1.6 km
- ↩ Turn left onto Barrenjoey Rd
2.5 km
- ↪ At the roundabout, continue straight to stay on Barrenjoey Rd
3.9 km

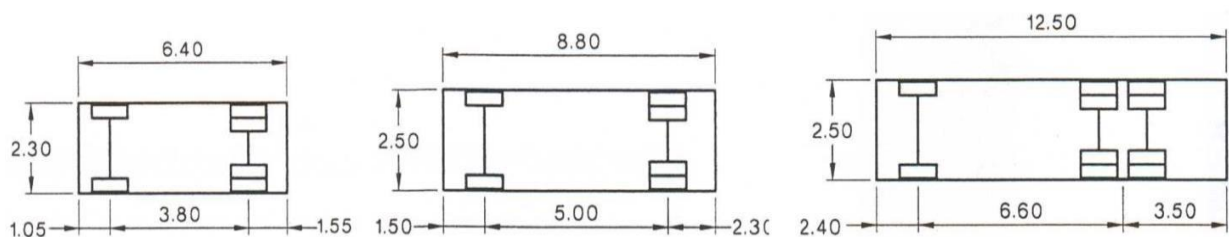
198 Barrenjoey Rd

Newport NSW 2106

TRANSPORT VEHICLES

Lovett Custom Homes will have an active and ongoing involvement in the management and monitoring of works during the construction phase. They will ensure, as previously mentioned, that no vehicle will make deliveries outside the Northern Beaches Council's approved DA times as well as that all delivery vehicles will arrive at pre-arranged times to the site. All vehicles approaching the worksite will adhere to the road rules and observe any signage in place. At all times access to bikes and footpaths will remain unobstructed and consultation with residents will be ongoing.

Loading and unloading of vehicles will be done onsite within the property boundaries. There will be a combination of small rigid vehicles (SRV's 6.4m), medium rigid vehicles (MRV's 8.8m), Heavy Rigid Vehicles (HRV's 12.5m) and Bulk Excavation/Block Delivery vehicles (AV's 19m) accessing and egressing from the site. The largest vehicle accessing and egressing the site will be an HRV.



(a) Small rigid vehicle
Clearance height 3.50
Design turning radius 7.1

(b) Medium rigid vehicle
Clearance height 4.50
Design turning radius 10.0

(c) Heavy rigid vehicle
Clearance height 4.50
Design turning radius 12.5

VEHICLE MOVEMENTS PER DAY & PROPOSED VEHICLE SIZES

<u>Stage</u>	<u>Movements at peak</u>	<u>Range of vehicles during stage</u>	<u>Largest Vehicle</u>
Demolition	5/day	MRV, SRV, HRV	HRV
Excavation	7/day	MRV, SRV, HRV	HRV
Construction	2.5 /Day	MRV, SRV, HRV	HRV

TOWER CRANES AND MOBILE CRANES

There is not a tower crane setup required for this project. All mobile crane works will be conducted wholly within the site boundaries. Where the placement of the mobile crane or lifting of materials on council property, Lovett Custom Homes will seek relevant approval from the Northern Beaches Council.

IMPACTS AND MANAGEMENT

PEDESTRIANS AND CYCLISTS

All works will take into consideration pedestrians and cyclists. Advanced warning/Directional signage will be installed (according to approved TCP) to warn pedestrians and cyclists of the construction site and possible hazards ahead. Whilst within the confines of the building site, all personnel will attire correct PPE to ensure that they are visible to moving traffic.

No change to the footpaths/bike paths will be made, pedestrians will follow the pathways as normal, likewise for cyclists. Certified traffic controllers will be on-site during times of vehicular movements and heavy loading if required.

EMERGENCY VEHICLES

Emergency services will not be affected by the proposed works. If the case, any emergency vehicle is required for the site they will be given priority. The construction site is located next to Prince of Wales Hospital, roadway must be clear at all times for the emergency vehicles coming in and out.

If work involves the alteration of the normal use on the roadway, notification has to be given to the hospital to inform emergency vehicles to avoid delays or obstructions.

PUBLIC TRANSPORT

The new construction will not alter the local public transport network as all the vehicles will be placed within the boundaries of the property. There is a school bus route on Whales Beach Road in the morning and afternoon, the bus company will be informed about the works to be completed as well as a copy of this report.

Workers will be encouraged to catch public transport to ameliorate the impact on the road network.

[illegible]

TCP's

The following Traffic control plans are to be implemented at this location; the traffic supervisor is to approve the TCP for each stage of work & ensure that the site is set out as shown on the relevant TCP.

TCP 1 – Generic set up

TCP 2 – Stop Slow Control

PMP – Pedestrians Management

Tree protection areas are located in different spots, the trees protected and the proposed trees removal is shown below

Any additional TCPs are to be approved before implementation on site.

1. All Traffic Control works; signs and devices to comply with Australian Standard AS 1742.3.
2. Adjustments to the TCP may be only made by persons holding an RMS "Prepare a Work Zone TMP" ticket
3. All traffic control devices may only be set out by persons holding an RMS "Implement Traffic Management Plans" ticket.
4. Person controlling traffic using a stop/slow bat must hold an RMS "Traffic Controller" ticket.
5. Signs to be erected so they are visible to motorists and not a hazard to pedestrians.
6. Traffic controllers to escort pedestrians past the work area where appropriate.
7. Traffic controllers who are on constant Stop-Slow, must be relieved for a minimum period of 15 minutes every two hours, as per the Australian Standard 1742.3 and the W H S Act.
8. The position of the signs, traffic controllers, and equipment are only suggested locations, amendments to the locations may be required depending on site conditions.
9. Team Leader is to conduct a 'toolbox talk' and complete adequate paperwork to support the discussion.
10. A 'risk assessment' shall be conducted on-site, before set up to determine the queue length and site distance to the active TCP.

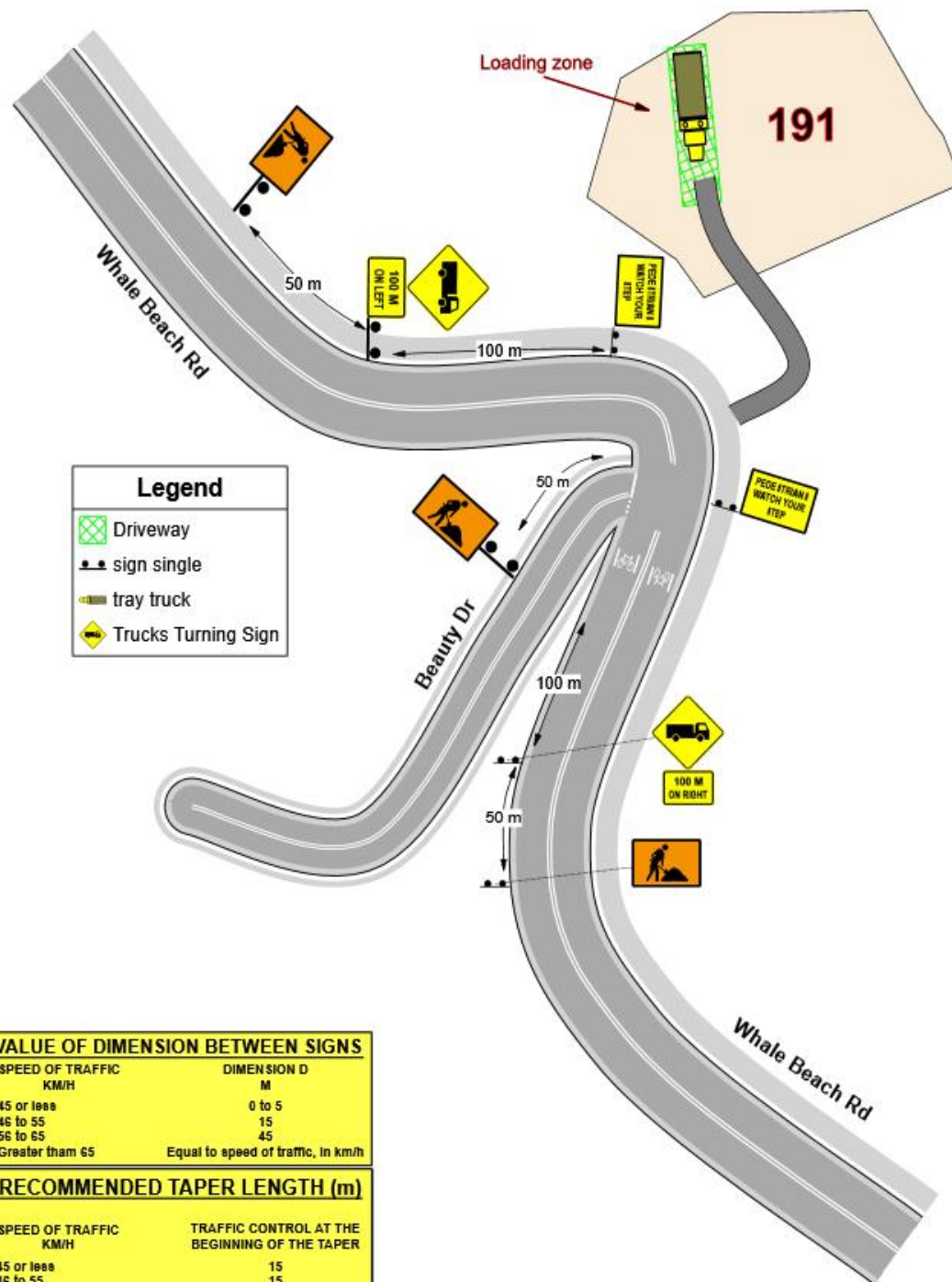
TCP 1 – Generic set up



Date: 09/02/2022 **Author:** Nicolas Rojas TCT0055210 **Project:** New House Construction
Client: Lovett Custom Homes **Location:** 191 Whale Beach Road, Whale Beach

Comments:

This plan has been designed by Nicolas Rojas of Sydney Traffic Control in accordance with Australian Standards outlined in the RMS's Traffic Control on Worksites Handbook. Certified traffic controllers will be on site to implement and monitor this TCP. If you have any questions please contact Nicolas Rojas on 8068-1844.



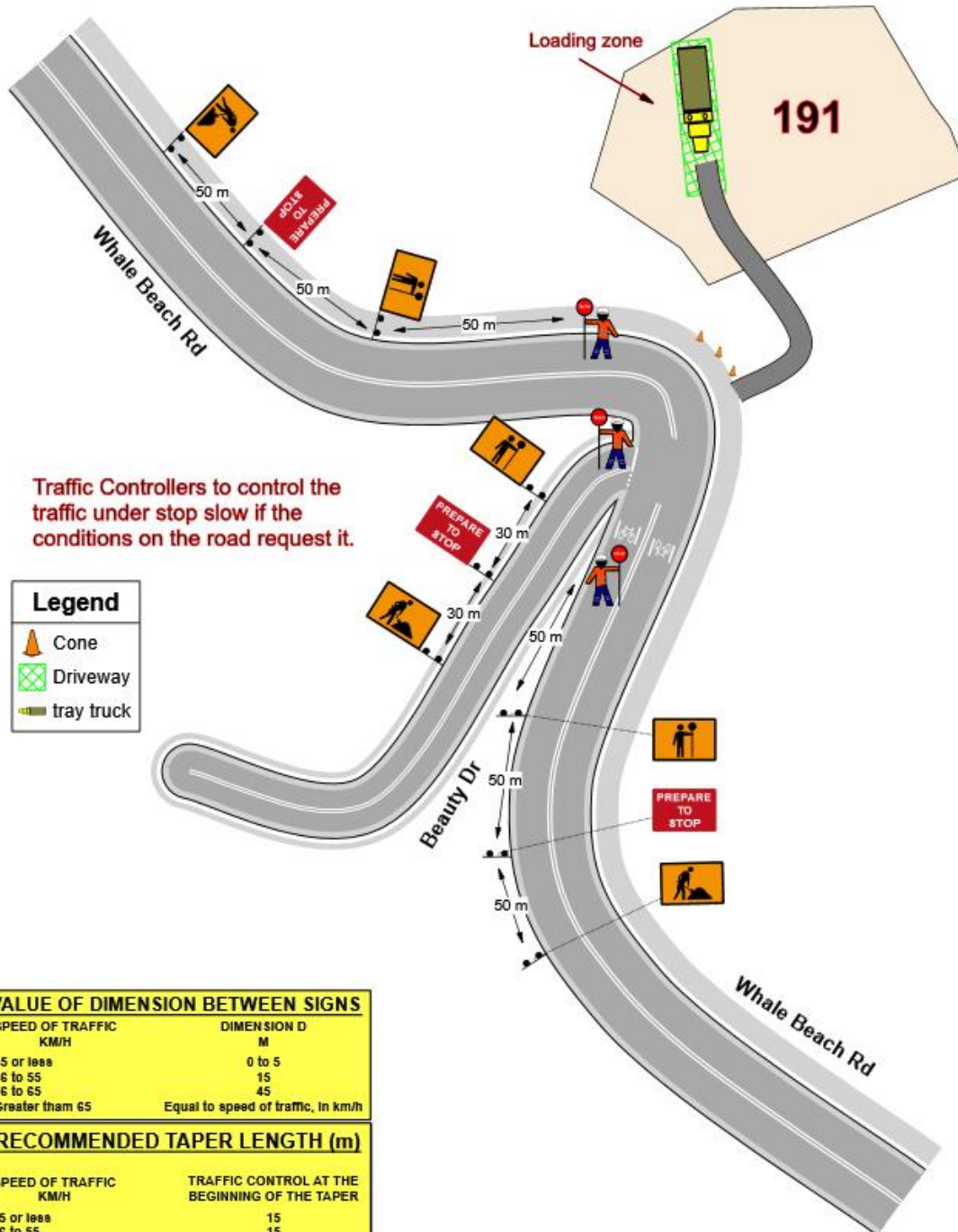
TCP 2 – Stop Slow Control



Date: 09/02/2022 **Author:** Nicolas Rojas TCT0055210 **Project:** New House Construction.com
Client: Lovett Custom Homes **Location:** 191 Whale Beach Road, Whale Beach

Comments:

This plan has been designed by Nicolas Rojas of Sydney Traffic Control in accordance with Australian Standards outlined in the RMS's Traffic Control on Worksites Handbook. Certified traffic controllers will be on site to implement and monitor this TCP. If you have any questions please contact Nicolas Rojas on 8068-1844.



PMP – Pedestrians Management



Date: 09/02/2022 **Author:** Nicolas Rojas TCT0055210 **Project:** New House Construction.com
Client: Lovett Custom Homes **Location:** 191 Whale Beach Road, Whale Beach

Comments:

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