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# CONSTRUCTION TRAFFIC MANAGEMENT PLAN

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HI-PAC CONSTRUCTION PTY LTD

40 SUNRISE ROAD, PALM BEACH NSW 2108  
Version 1

Nov 25, 2023

NOLA N. RURA- SYDNEY TRAFFIC  
Unit 50, 45-51 Huntley Street, ALEXANDRIA NSW 2015

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## 2 ABOUT THE PROJECT.

### 2.1 Background

The project undertaken by Hi-Pac Constructions Pty Ltd consists of the Excavation and Construction of a Residential Dwelling at property, 40 Sunrise Road, Palm Beach NSW 2108.

Company Responsible for the Construction: Hi-Pac Constructions Pty Ltd

Company address: 1/1051 Pacific Highway  
Pymble  
NSW 2073

Email: [charlie@hipacgroup.com.au](mailto:charlie@hipacgroup.com.au)

Construction Manager: Charlie Kellaway  
0427 433 357

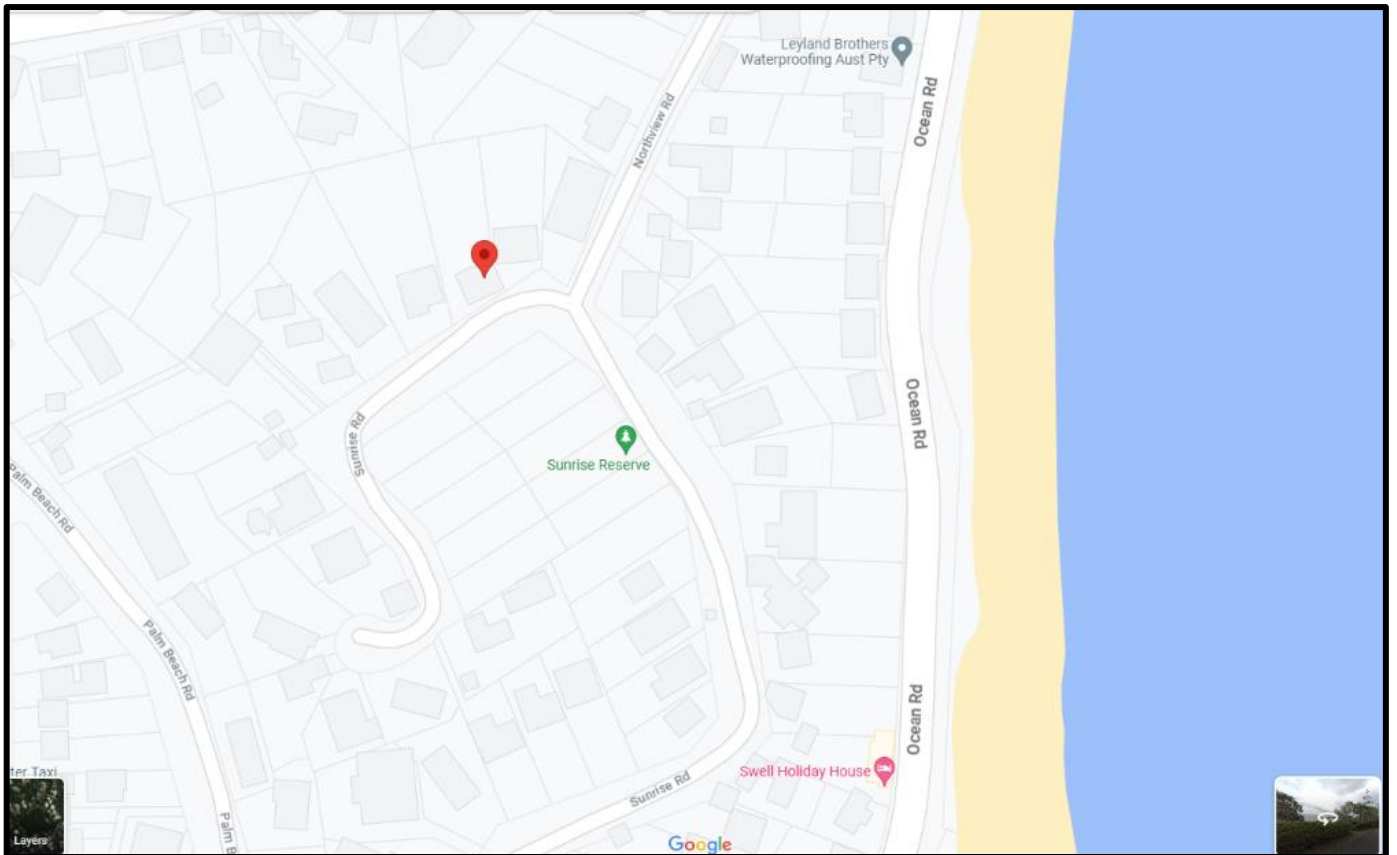
DA/CDC Approval: DA2021/0900

This CTMP has been prepared by an engineer who holds the Roads and Maritime Services Prepare a Work Zone Traffic Management Plan (PWZTMP) accreditation, detailed as follows:

Nola Ngatuaiane Rura

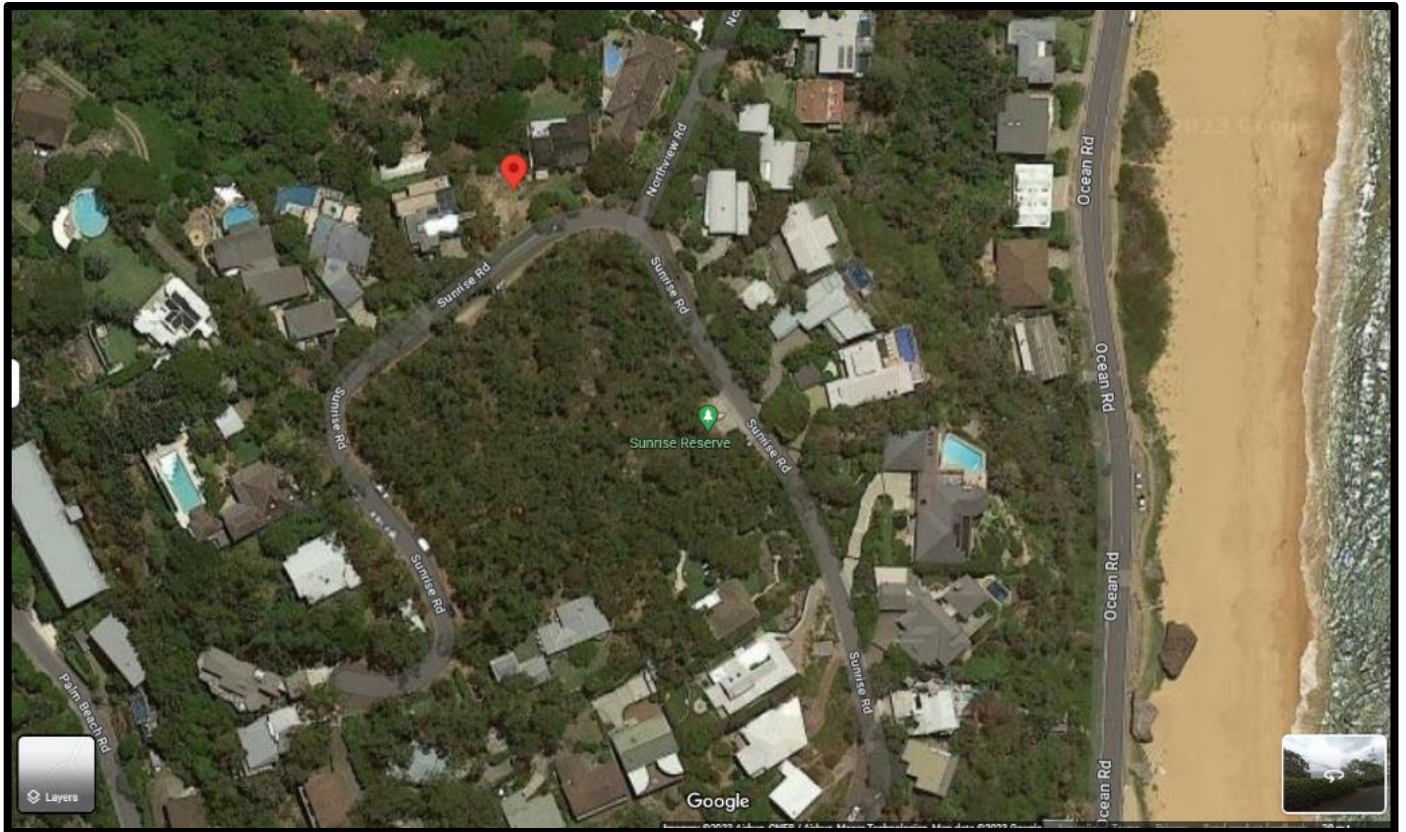
TCTPWZ#:  
1010014

## 2.2 Location



(Image 1, Google Image)

40 Sunrise Road, Palm Beach NSW 2108 is located on a Local Council Road.  
There are no public transport routes along Sunrise Road.



(Image 2, Google Images)

## 2.3 Purpose

The purpose of this Construction Traffic Management Plan (CTMP) is to satisfy Northern Beaches Council requirements and describes how Hi-Pac Constructions Pty Ltd propose to manage traffic and pedestrian movement safely whilst carrying out their respective activities. It is also to ensure public safety and minimize any impact to the adjoining pedestrian and vehicular traffic systems. Confirming appropriate measures have been considered for site access, storage, and the operation of the site during all phases of the construction process in a manner that respects adjoining owner's property rights and projects amenity in the locality, without unreasonable inconvenience to the community. The CTMP is intended to minimize the impact of construction activities on the surrounding community, in terms of vehicle traffic (including traffic flow and parking) and pedestrian amenity adjacent to the site.

## 2.4 Objectives

The key objectives of this CTMP are:

To satisfy the key legal requirements related to Traffic, Transport and Access;

- ✚ To ensure no one is injured on the project and there is no property damage;
- ✚ To maximise the value and outcomes of traffic monitoring activities;
- ✚ To minimise delays to traffic and consider the needs of all road users; and
- ✚ To ensure compliance with relevant specifications and the RMS's – 'Traffic Control at Work Sites' Handbook Version 6

## 2.5 Responsibilities

The development requires highly coordinated efforts from several agencies:

### 2.5.1 Enhance Building & Developments:

- Co-ordinates the logistics for holding the works, Marshalling/ Programming,
- Arranges advertising for road closure locations, times, other traffic disruptions / delays and alternative route information via letterbox drop.
- Provides traffic information signposting as identified in the CTMP and associated Traffic Guidance Scheme(s) (TGSs).
- Provides resources and traffic management infrastructure for traffic control and road closures as identified in the CTMP.

### 2.5.2 Sydney Traffic:

- Prepares the Construction Traffic Management Plan and Traffic Guidance Schemes
- Monitor traffic and pedestrians on all roads and footpath(s) approaching the work location to minimize pedestrian/traffic congestion on the day.
- Provides traffic information signposting as identified in the TMP and associated Traffic Guidance Scheme(s) (TGSs).
- Provides resources and traffic management infrastructure for traffic control and road closures as identified in the CTMP.



## 3 CONSTRUCTION

### 3.1 Construction Activities

<b>STAGE</b>	<b>ESTIMATED DURATION</b>
Site Establishment	1 week
Piling Works and Excavation	12 weeks
Structure	20 weeks
Finishes	16 weeks

This project has an overall proposed timeframe of 50 weeks.  
The estimated completion date is November 2024.

### 3.2 Working Hours

Monday – Friday: 7:00am – 6:00pm

Saturday: 8:00am – 1:00pm (no demolition work on Saturdays)

No works permitted on Sundays or Public Holidays

All work, including demolition, excavation and building work must comply with the Northern Beaches Council Code of Practice for Construction Hours/Noise 1992 and Australian Standard 2436-2010 Guide to Noise Control on Construction, Maintenance and Demolition Sites.

Works May be undertaken outside these hours where;

- It is required in an emergency to avoid the loss of life, damage to property and/or to prevent environmental harm;
- A variation is approved in advance in writing by Council.

### 3.3 Work Zones

The work area is approximately 10M adjacent to the site boundary of the property, 40 Sunrise Road, Palm Beach NSW 2108.

A secondary work area of approximately 10M will be in place, in front of 1176 Barrenjoey Road, Palm Beach NSW 2108, for the duration of Stormwater Connection works for property, 40 Sunrise Road, Palm Beach NSW 2108.

### 3.4 Ingress/Egress of Vehicles

Adequate advanced warning and directional signage will be placed upon entry and exit of the site.

All loading/unloading will take place in the work area in front of the property on the temporary platform, 40 Sunrise Road, Palm Beach NSW 2108, as per the Loading/Unloading Plan.

All concrete pours will take place in the work area at the front of the property on the temporary platform, 40 Sunrise Road, Palm Beach NSW 2108.

No construction vehicles should obstruct any pedestrian crossings or footpaths.

No construction vehicles should queue/layover on Sunrise Road.

**All exiting trucks will be loaded to their prescribed weight limits. All trucks will be covered by tarpaulin or like prior to exiting as required.**

**All trucks leaving the site shall be monitored, having had access to unpaved or contaminated areas shall deposit via a wheel wash facility to prevent mud, dust, or debris from being deposited on Council Roads. The wheel wash facility shall be constructed prior to any truck movements occurring. Water from the wheel wash facility must not cause pollution. Any direction of council with regards to cleaning trucks or the clean-up of Road Pavements adjoining the site shall be complied with immediately.**

Traffic control must always be on-site to monitor the ingress/egress of vehicles to site and ensure the safety of pedestrians for the duration of the project.

Traffic control WILL NOT stop any traffic along Sunrise Road to allow construction vehicles to ingress or egress outside approved times set by the Council.

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

Given the low levels of work, frequency and more specifically the size of vehicles, unrestricted movements to and from site will apply. The routes outlined below serve as a guideline rather than a necessity.

### 3.4.1 Ingress Route

**Barrenjoey Rd**  
Palm Beach NSW 2108

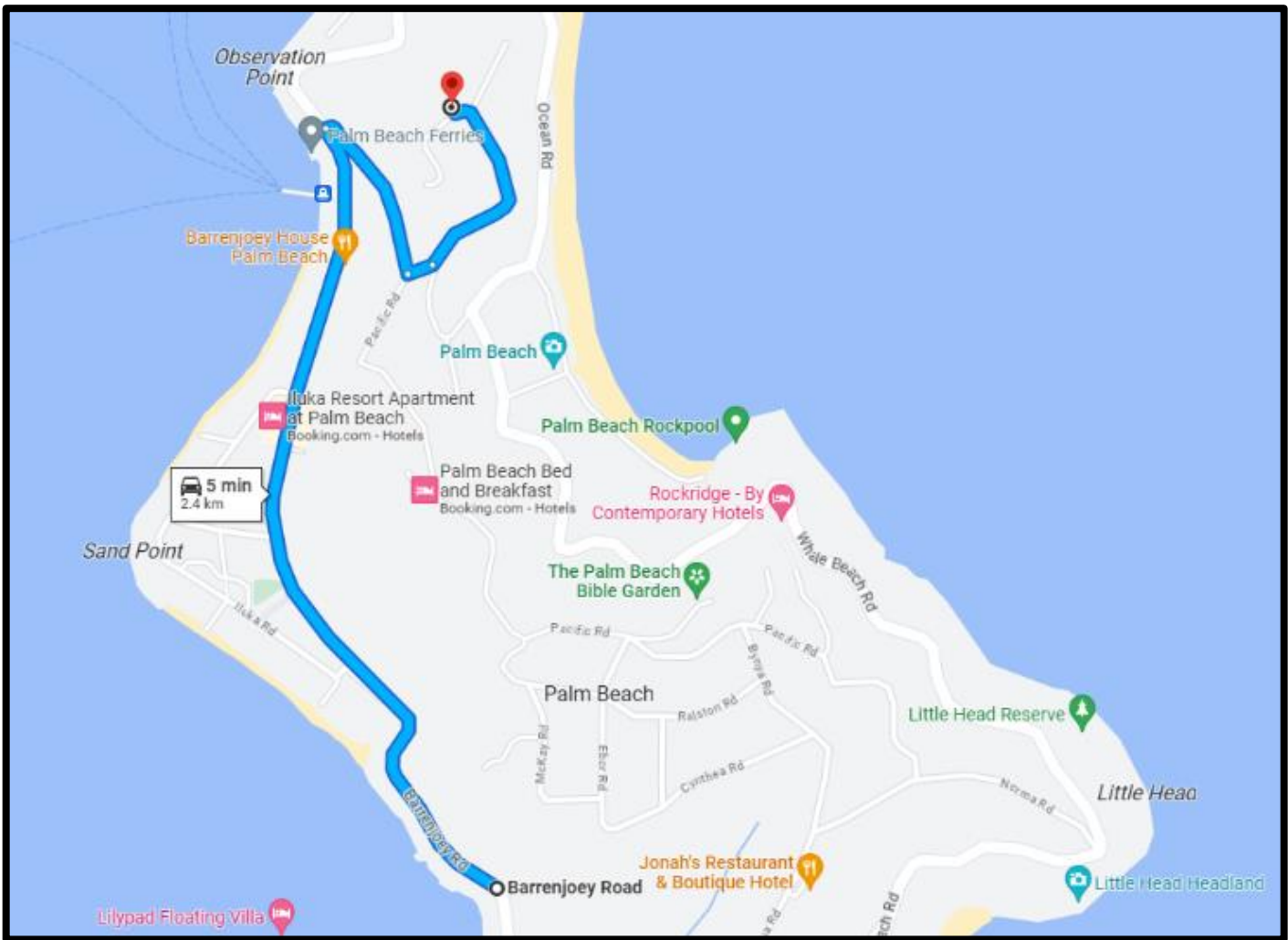
↑ Head north-west on Barrenjoey Rd  
1.6 km

↪ Turn right onto Palm Beach Rd  
350 m

↶ Turn left to stay on Palm Beach Rd  
50 m

↶ Turn left onto Sunrise Rd  
Destination will be on the right  
400 m

**40 Sunrise Rd**  
Palm Beach NSW 2108



### 3.4.3 Egress Route

**40 Sunrise Rd**  
Palm Beach NSW 2108

↑ Head east on Sunrise Rd towards Northview Rd  
400 m

↘ Turn right onto Palm Beach Rd  
50 m

↘ Turn right to stay on Palm Beach Rd  
350 m

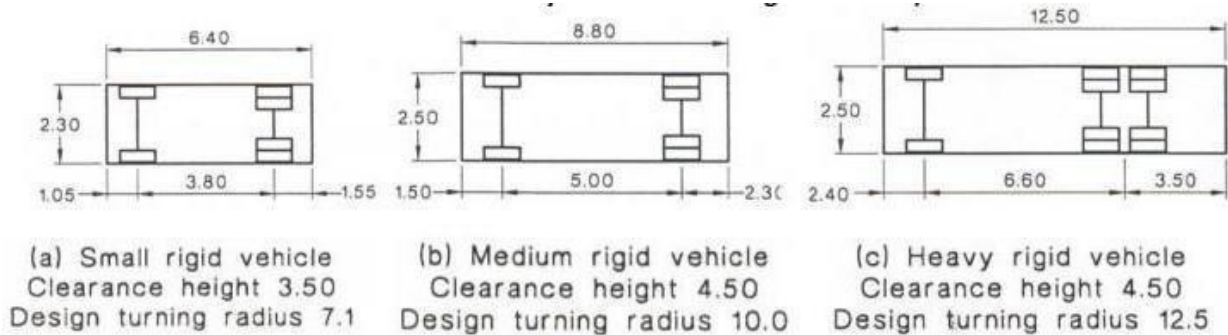
↙ Turn left onto Barrenjoey Rd  
1.6 km

**Barrenjoey Rd**  
Palm Beach NSW 2108



### 3.5 Transport Vehicles

Hi-Pac Constructions Pty Ltd 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 Council's approved DA times, as well as that all delivery vehicles will arrive at pre-arranged times on site. All vehicles approaching the work site will adhere to the road rules and observe any signage in place.



STAGE	MOVEMENTS AT PEAK	RANGE OF VEHICLES DURING STAGE	LARGEST VEHICLES
Site Establishment	1/day	SRV, MRV	MRV
Site Clearing	10-12/day	SRV, MRV, HRV	HRV
Piling	1-5/day	SRV, MRV, HRV	HRV
Excavation	10-12/day	SRV, MRV, HRV	HRV
Structure	10-12/day	SRV, MRV, HRV	HRV
Fit out/Finishes	2-4/day	SRV, MRV	MRV

The largest vehicle expected to be on-site is a Heavy Rigid Vehicle (HRV).

Local Council approval must be obtained for any haulage routes proposed on Council Roads.

### 3.6 Hoisting Devices

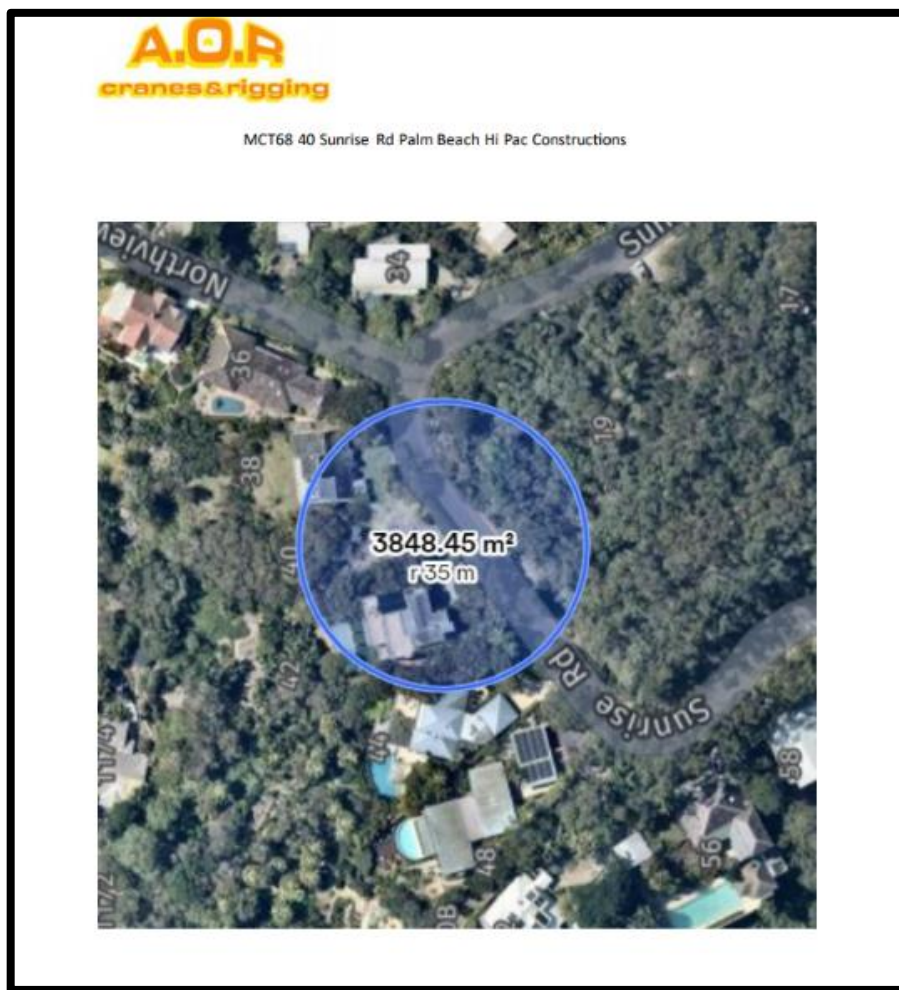
There will be a tower crane installed at the property, 40 Sunrise Road, Palm Beach NSW 2108 for the duration of 11-12 months.

#### Tower Crane Operation:

- The crane will **ONLY** slew over the roadway, council land, and neighboring properties (agreements in place) to maneuver the crane into position. The installation and dismantling of the crane will only take place with prior approval from the Northern Beaches Council.
- All crane lifts will be within the site boundary, which is barricaded off with temporary hoarding.
- The static load from the crane will be unloaded within the fenced site, and crane base will be barricaded off within the site.

Authorized Traffic Controllers will always be on-site for the duration of the work to control pedestrian and vehicle traffic at all times for the duration of the works.

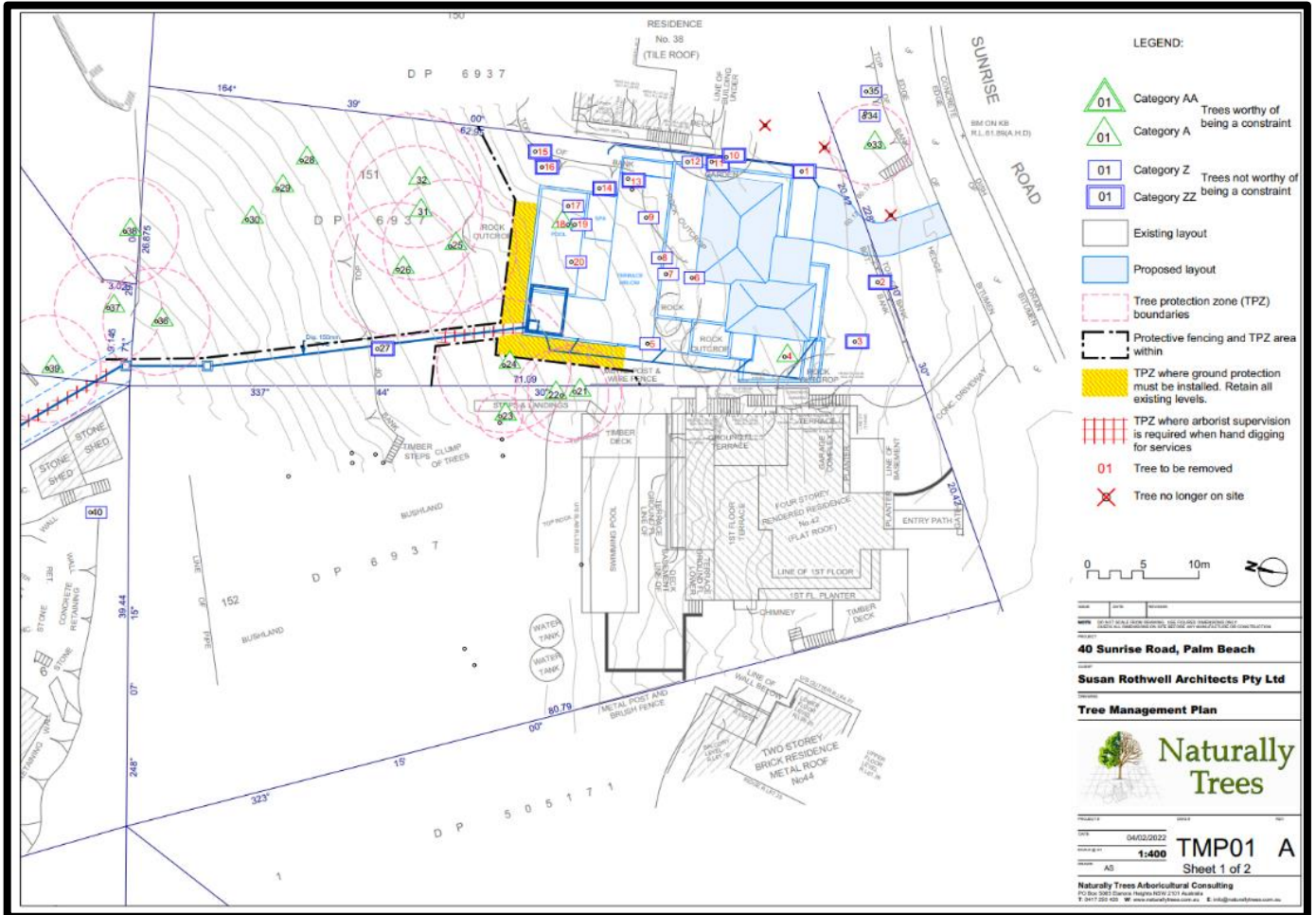
\*See Appendix D. for Tower Crane Specifications.

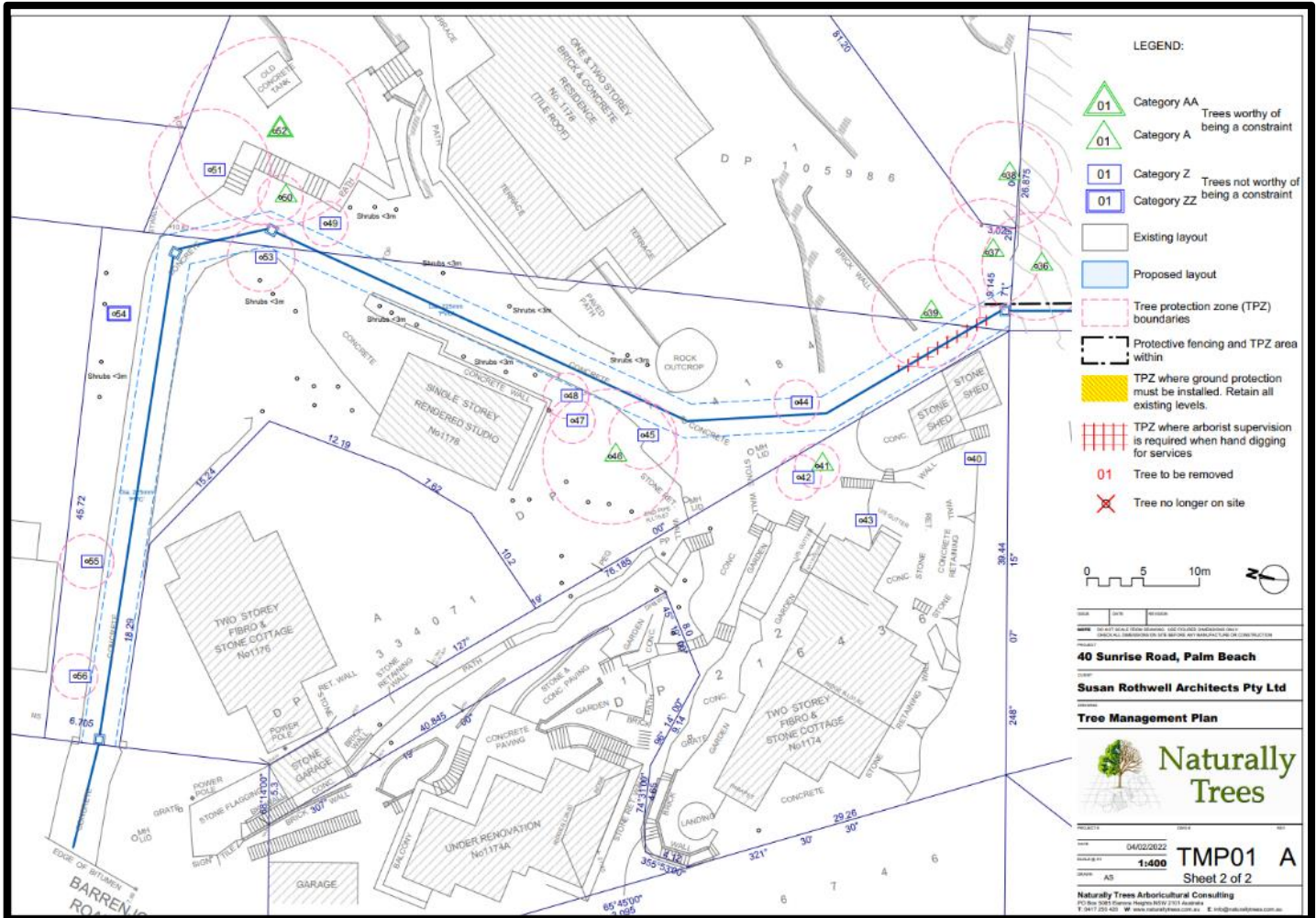


### 3.7 Tree Protection

There are multiple tree protection areas for this project.

See below for the Tree Management Plan.





### 3.8 Removal and Storage of Rubbish or Spoil

All waste/spoil material will be stored at the front of property within the site boundary.

All waste/spoil material will be removed from the property via trucks at planned intervals and/or when required.



## 4 IMPACTS AND MANAGEMENT

### 4.0 Road/Lane Closures

A 10M metre lane take-out is proposed for the duration of Concrete Pours and deliveries at property, 40 Sunrise Road, Palm Beach NSW 2108.

15M to allow for the Taper Zone to allow adamant space for vehicles to merge into trafficable lane.

Authorized Traffic Controllers will always be on-site to impose stop/slow conditions along Sunrise Road, Palm Beach NSW 2108.

### 4.1 Pedestrians and Cyclists

Pedestrian access will be maintained up to the property boundary and public walkway throughout the duration of the works. Pedestrians will only be held momentarily, during ingress/egress of vehicles and re-directed across the road.

Authorized traffic controllers will always be on site to control the safety of pedestrians and vehicles around the work site.

All works, specifically during ingress/egress of construction will take into consideration pedestrians, vehicles, and cyclists.

Advanced warning/directional signage will be installed according to approved TCP to warn pedestrians, vehicles, and cyclists of the works.

**Only authorized personnel will be permitted within the building site unless accompanied by site management, if not inducted to the site.**

Whilst within the confines of the building site, all personnel will attire in correct PPE to ensure that they are visible to moving traffic.

### 4.2 Public Transport

No impact on the public transport network is anticipated throughout the duration of this project.

### 4.3 [Parking](#)

There are no parking spaces on-site for contractor vehicles.

**All staff associated with the site will be encouraged to carpool or use public transport, whenever possible to travel to and from the site.**

**No contractor or site-related vehicles will be parked on any part of the surrounding streets, unless paid for using parking meters (if present), at their own expense.**

**Parking spaces, or access thereto will not be constrained or enclosed by any form of structure such as fencing, cages, walls, storage space, or the like, without prior consent from Council.**

### 4.4 [Emergency Vehicles](#)

Emergency services will not be affected by the proposed works.

In the event where emergency vehicles are required to the site or surrounding properties, unimpeded access along the surrounding road network will be maintained and priority to emergency services will be given.

### 4.5 [Access to Surrounding Properties and Noise](#)

The works will not affect access to surrounding properties, including residents, and surrounding businesses.

Regarding noise impacts, Hi-Pac Constructions Pty Ltd will strive to keep all noise associated with the works kept to a minimum. Likewise, no noise will be made outside the approved hours for site.

All reasonable and feasible steps must be undertaken to ensure that the work, including demolition, excavation and building complies with the Protection of the Environmental Operations (Noise Control) Regulation 2000.

### 4.6 [Notice for Surrounding Properties](#)

**Letters will be distributed to residents and surrounding businesses will be kept advised of the timeframes for completion of each phase of the development/construction process. A minimum of 14 days notification will be provided prior to the implementation of any temporary traffic control measures.**

## 4.7 Environmental

A range of measures will be in place to manage and minimize any possible impact on the environment regarding dust control and air emissions. Such measures will include, but not limited to:

- Containment and removal of any hazardous materials in accordance with EPA regulations;
- **Roadway (and nature strip and/or footpath) must be kept in a serviceable condition for the duration of construction. At the direction of Council, undertake remedial treatments such as patching at no costs to Council.**
- Noise pollution will be minimized through a range of measures such as:
  - Control of noise at source where practicable (e.g., using screenings, shielding);
  - Use of noise suppression covers when plant and machinery is operational;
  - Use of electrically powered plant where possible;
  - Where possible, noisy plant equipment will be kept away from sensitive noise boundaries or alternatively within enclosures.

## 4.8 Consideration of the Combined Construction Activities of Other Developments

A notification letter will be distributed to Development Sites in close proximity to Site Location, 14 days prior to each stage of works to ensure there is no disruption to nearby Construction Activities.

## 5 TRAFFIC GUIDANCE SCHEME (TGS)

A TCP is defined in the RMS's TCWS Manual as a diagram showing signs and devices arranged to warn traffic and guide it around, past or, if necessary, through a work site or temporary hazard. The proposed TCP is located in Appendix B.

## 5.1 Objectives

The provision of a safe environment for road users and works staff is a key objective of Hi-Pac Constructions Pty Ltd. The TCP was developed with the aim to:

- Warn drivers of changes to the usual road conditions;
- Inform drivers about changed conditions;
- Guide drivers through the work site, and
- Ensure the safety for workers, motorists, pedestrians, and cyclists

## 5.2 Context

The TCP's prepared were based on the principles and measures outlined in this CTMP, which details the road safety and traffic principles, strategies and measures that will be applied to enable Hi-Pac Constructions Pty Ltd to fulfil its obligations and the requirements of relevant authorities.

The TCPs were designed to address the following issues where applicable:

- Use of traffic control devices;
- Speed limit requirements;
- Provision for pedestrian traffic and their safety.
- Provision for cyclists and their safety;
- Provision for vehicle and plant movements
- Parking restrictions and parking facilities
- Provision for trade vehicles and plant movements
- Informing all site personnel of any high-risk areas; and
- Providing adequate signage within the Construction Site for access and egress

## 5.3 Traffic Controllers

Certified Traffic controllers will attend site where activity that disrupts the flow of vehicular and pedestrian traffic is in effect. The placement of signs will be done so by a qualified holder of the Traffic Control Plan Implementer Ticket as per the Australian Standards 1742.3.

## 5.4 TGS Monitoring and Reporting

Specific measures for TCP reporting will be taken. These will include, but not be limited to the following:

- The traffic control plan will be numbered, and a register maintained as a part of the CTMP;
- All traffic control devices and traffic control arrangements will be inspected daily to ensure the adequacy of such devices and arrangements as per the TCWS Manual issue 6;
- Traffic Management records and plans will be maintained as well as record/log;
- Hi-Pac Constructions Pty Ltd may be required to provide records in the following event instances:
  - That a breach imposed by the NSW Police Service, on a motorist who does not comply with a regulatory sign is challenged in courts; or
  - In the event of an accident is alleged to have occurred when temporary traffic control is in place.

## 5.5 Credentials

The CTMP was prepared by Nola Ngatuaire Rura, RMS Prepare a Work Zone Traffic Management Plan Number 1010014.

## 5.6 Traffic Control signs & devices

Traffic control devices are an important tool for influencing safety for road users, where temporary traffic controls are implemented at work sites. During the construction of this project an RMS accredited traffic controller will assess the warrant for traffic control devices in accordance with the relevant guides/standards such as: RMS's – TCWS Manual issue 6, Australian Standard – AS1742 Manual of uniform traffic control devices, and any relevant documents listed on the 'RMS Guide to Signs and Marketing reference list' to make sure that all the traffic control devices are installed and maintained correctly.

The provision of timely, clear and consistent messages to road users is essential. An RMS accredited traffic controller will ensure all signs and devices installed during the construction of this project are:

- Assessed for use in accordance with the appropriate warrants
- Manufactured in accordance with the requirements of the Australian Standards;
- Installed in accordance with the relevant guides and standards;
- Not contradictory to existing signs or markings;
- When unwarranted, covered or removed; and
- Regularly maintained and repaired / replaced when damaged.

All signposting installed throughout the project will comply with the requirements outlined in the RMS's TCWS Manual issue 6, AUSTROADS Guide to Traffic Engineering Practice, Part 8 – Traffic Control Devices and the relevant parts of Australian Standard 1742.3

## 6 APPENDICES

- Appendix A-
  - Route to nearest Medical Centre
- Appendix B-
  - Route to nearest Medical Centre
- Appendix C-
  - Traffic Control Plan
  - Site Plan: Proposed Loading/Unloading Platform
  - Site Images
  - Swept Path Analysis
- Appendix D-
  - Tower Crane Specifications



# Appendix A

## Nearest Medical Centre

**40 Sunrise Rd**  
Palm Beach NSW 2108

- ↑ Head east on Sunrise Rd towards Northview Rd  
400 m
- ↪ Turn right onto Palm Beach Rd  
50 m
- ↪ Turn right to stay on Palm Beach Rd  
350 m

- ↶ Turn left onto Barrenjoey Rd  
5.5 km
- ↪ Turn right onto Avalon Parade  
56 m
- ↑ Continue straight to stay on Avalon Parade  
Destination will be on the right  
300 m

**Avalon Family Medical Practice**  
54 Avalon Parade, Avalon Beach NSW 2107



## Nearest Hospital

**40 Sunrise Rd**  
Palm Beach NSW 2108

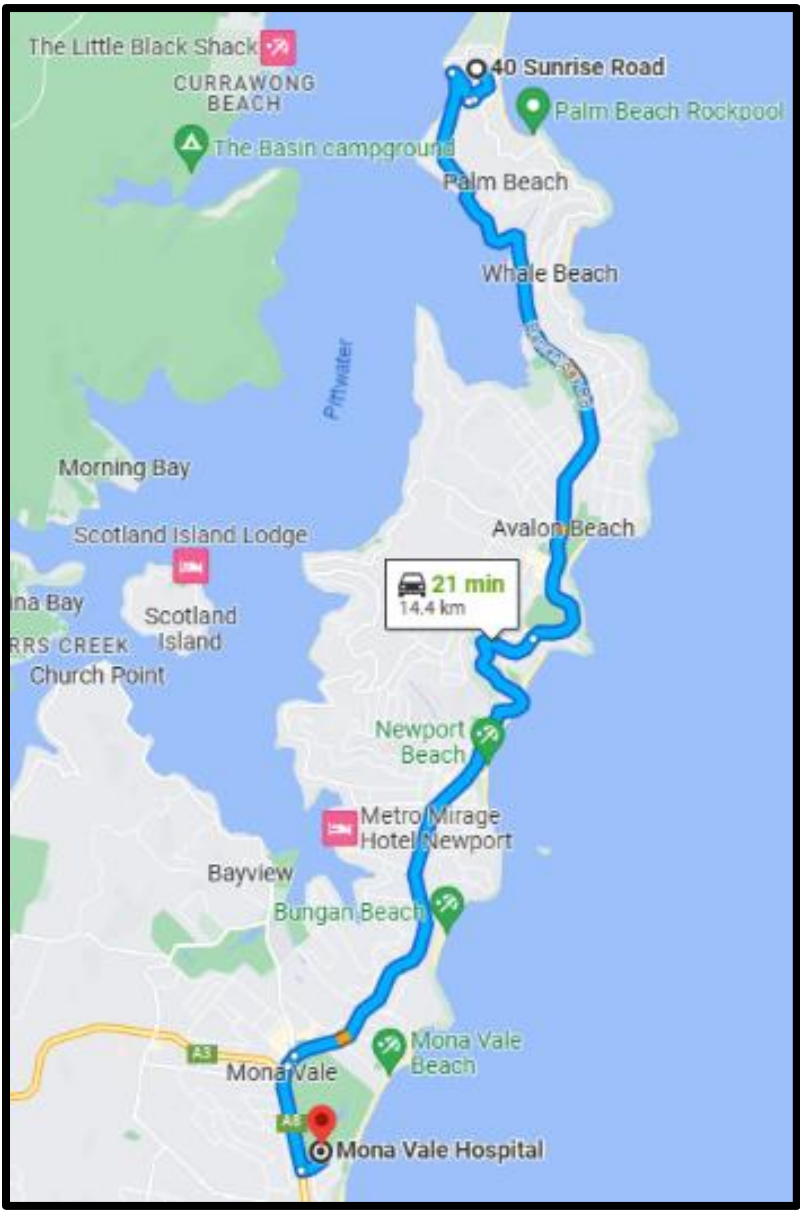
- > Follow Sunrise Rd and Palm Beach Rd to Barrenjoey Rd  
2 min (750 m)
- > Follow Barrenjoey Rd to Coronation St in Mona Vale

19 min (13.4 km)

← Turn left onto Coronation St

25 sec (210 m)

**Mona Vale Hospital**  
Coronation St, Mona Vale NSW 2103




# Appendix B

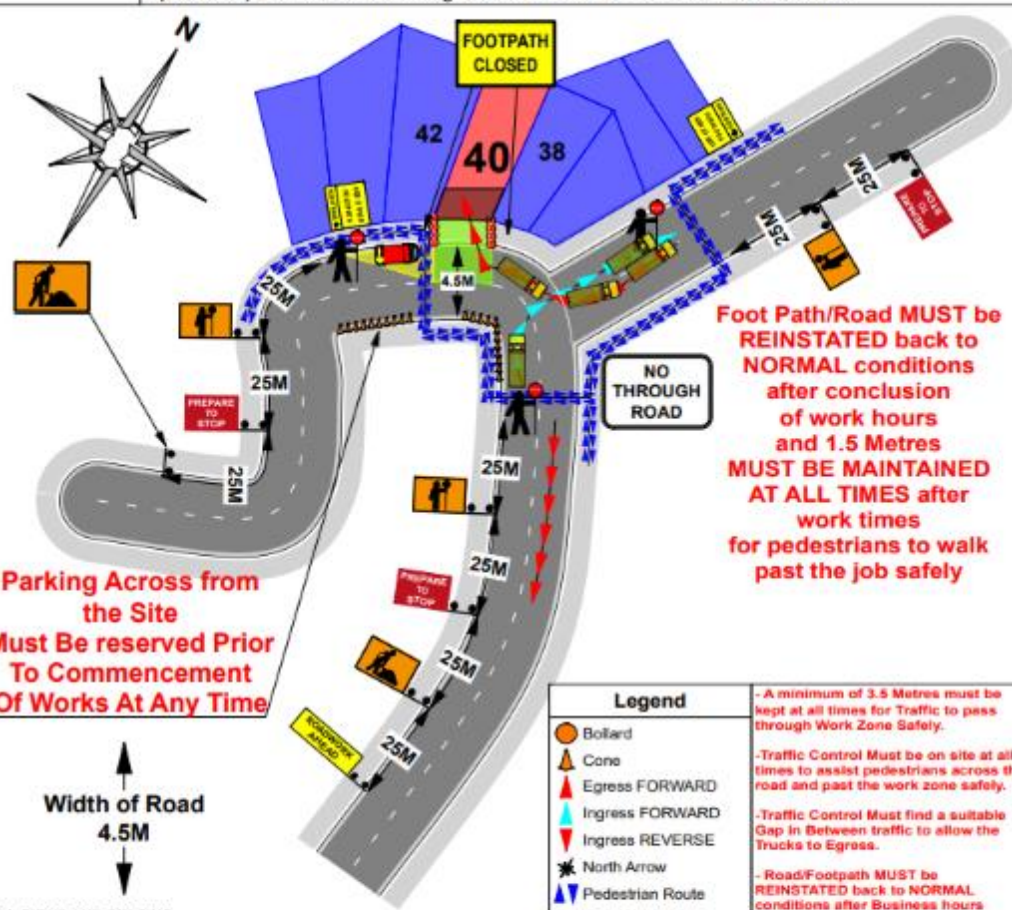
# Traffic Control Plan: Construction

www.invarion.com

**Date:** 17/10/2023 **Author:** Nola Ngatuaiane Rura **Project:** 40 Sunrise Rd, Palm Beach NSW 2108  
**Client:** Hi-Pac Constructions **Contact:** Charlie Kellaway **Plan #:** AS.TW01.23  
**PWZTMP:** 1010014 **Number:** 0427 433 357

**Comments:**  
 This plan has been designed by Nola Ngatuaiane Rura of Sydney Traffic Control in accordance with Australian Standards outlined in the RMS's Traffic Control on Worksites Handbook which complies with AS1742.3 and Transport for NSW's "Traffic Control at Worksites" manual.  
 This plan has been designed using Australian standards under the advice and activity information provided by the above mentioned client. Sydney Traffic will take no responsibility for the implementation of this TCP or it's impact on the area/road where it is to be implemented, Unless and only if Sydney Traffic employees are the principal onsite Traffic Controllers and will only be responsible during the agreed work times.  
 The plan is designed for the Construction (CTMP) of a Single Dwelling at Property, 40 Sunrise Rd, Palm Beach NSW 2108.  
 Certified traffic controllers will be on site to implement and monitor this TCP. If you have any questions please contact Nola Ngatuaiane Rura on 8068-1844 or 0451 153 044.





**Parking Across from the Site Must Be reserved Prior To Commencement Of Works At Any Time**

**Width of Road 4.5M**

**Foot Path/Road MUST be REINSTATED back to NORMAL conditions after conclusion of work hours and 1.5 Metres MUST BE MAINTAINED AT ALL TIMES after work times for pedestrians to walk past the job safely**

**ALL SIGNS AND SPACING MUST BE IN ACCORDANCE WITH AUSTRALIAN STANDARD 1742-3 PLAN NOT TO SCALE**

VALUE OF DIMENSION BETWEEN SIGNS	DIMENSION D
SPEED OF TRAFFIC	1.5 x D
40 or more	15
40 to 30	10
30 to 20	5
20 or less	5
Consider Sign 82	Equal to speed of traffic, in both

RECOMMENDED TAPER LENGTH (m)	TRAFFIC CONTROL AT THE BEGINNING OF THE TAPER
SPEED OF TRAFFIC	1.5 x D
40 or more	15
40 to 30	10
30 to 20	5
20 or less	5
Consider Sign 82	NSA

**SCHOOL ZONE**

8-9:30 AM  
2:30-4 PM  
SCHOOL DAYS

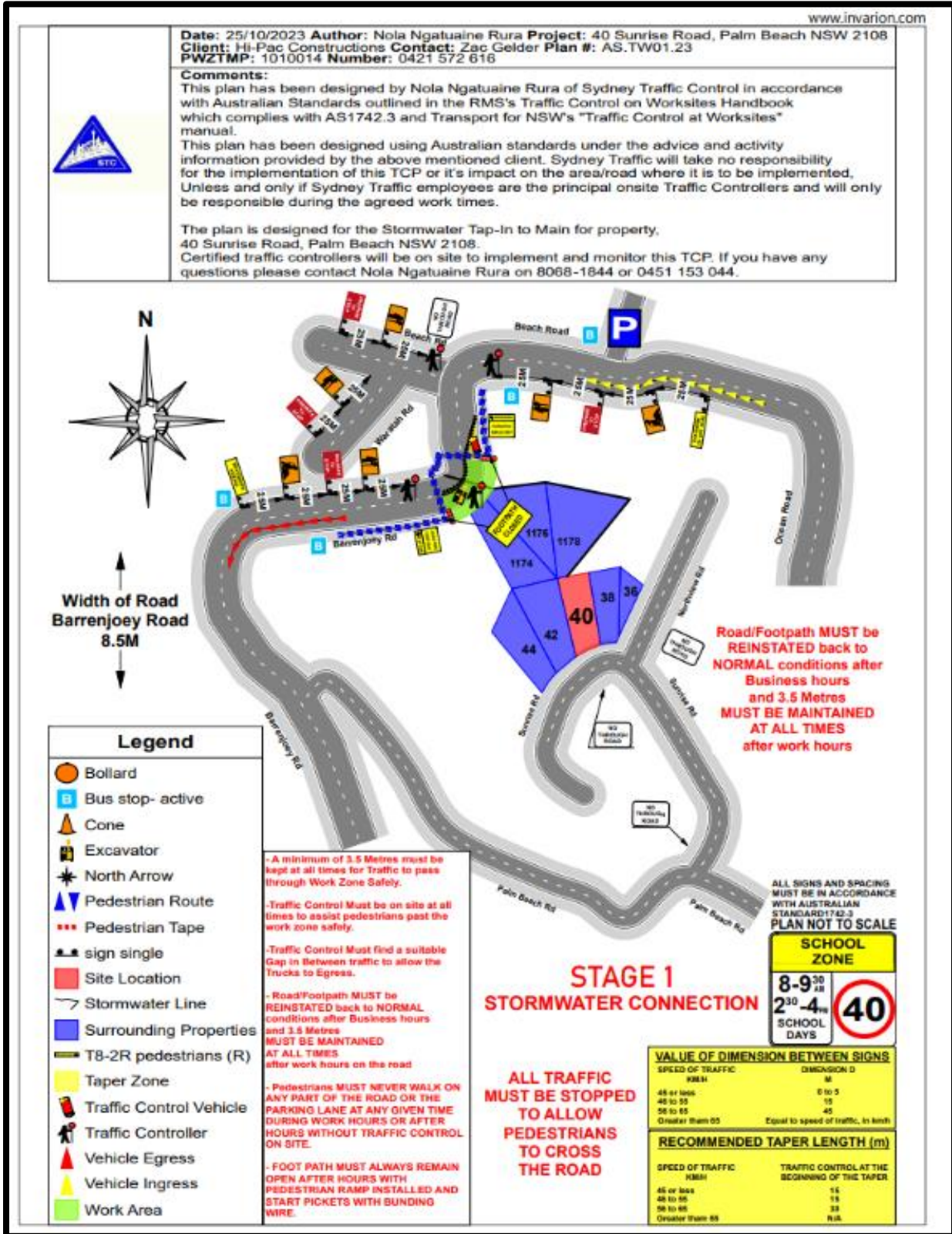
40

**Legend**

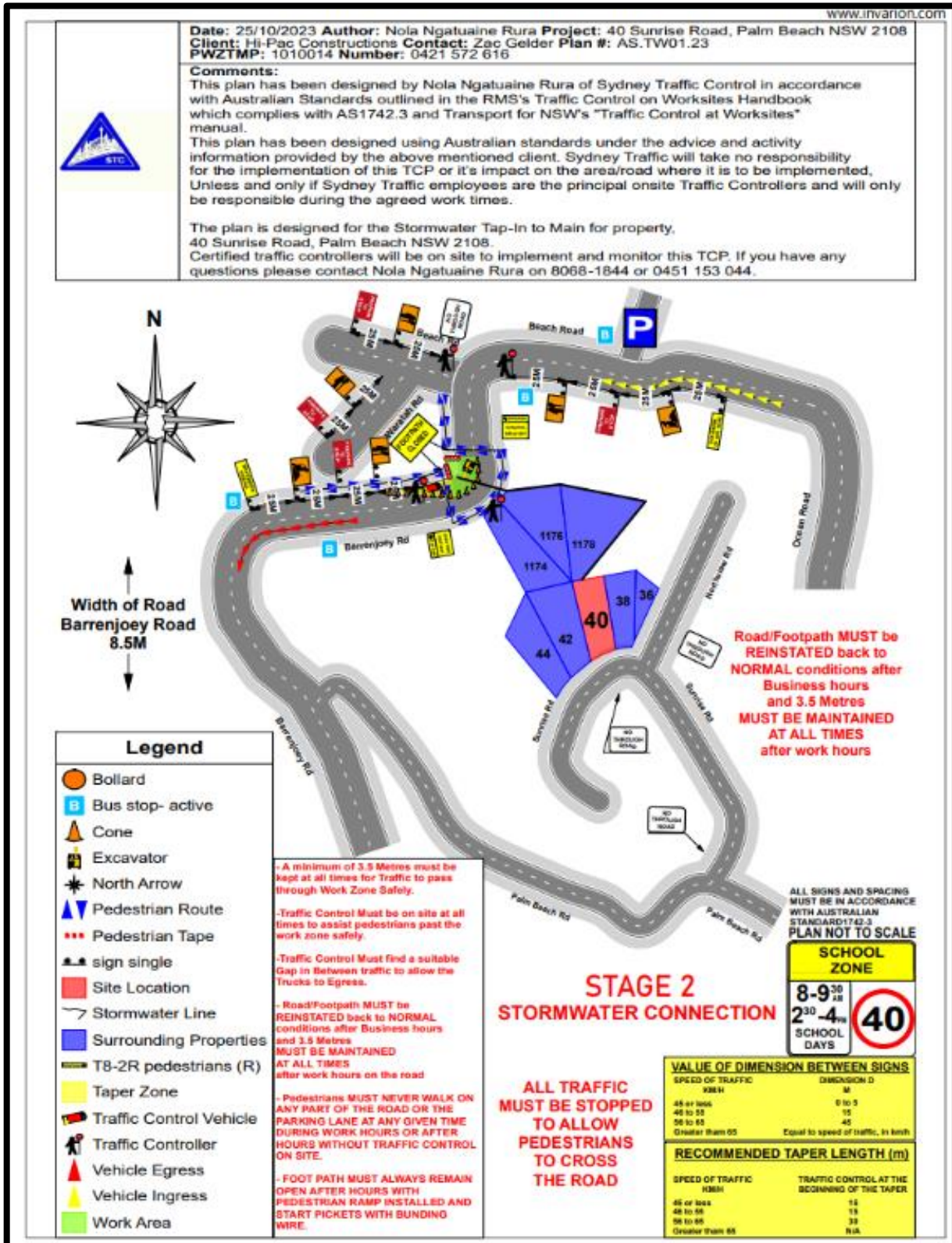
- Bollard
- ▲ Cone
- ▶ Egress FORWARD
- ▶ Ingress FORWARD
- ▼ Ingress REVERSE
- ▲ North Arrow
- ▶ Pedestrian Route
- Pedestrian Tape
- Platform
- ▲ sign single
- Site Location
- Surrounding Properties
- Taper Zone
- ▶ Traffic Control Vehicle
- ▲ Traffic Controller
- Truck
- Work Area

- A minimum of 3.5 Metres must be kept at all times for Traffic to pass through Work Zone Safely.
- Traffic Control Must be on site at all times to assist pedestrians across the road and past the work zone safely.
- Traffic Control Must find a suitable Gap in Between traffic to allow the Trucks to Egress.
- Road/Footpath MUST be REINSTATED back to NORMAL conditions after Business hours and 3.5 Metres MUST BE MAINTAINED AT ALL TIMES after work hours
- Pedestrians MUST NEVER WALK ON ANY PART OF THE ROAD OR THE PARKING LANE AT ANY GIVEN TIME DURING WORK HOURS OR AFTER HOURS WITHOUT TRAFFIC CONTROL ON SITE.
- FOOT PATH MUST ALWAYS REMAIN OPEN AFTER HOURS WITH PEDESTRIAN RAMP INSTALLED AND START PICKETS WITH BUNDING WIRE.

# Traffic Control Plan: Stage 1 Stormwater Connection

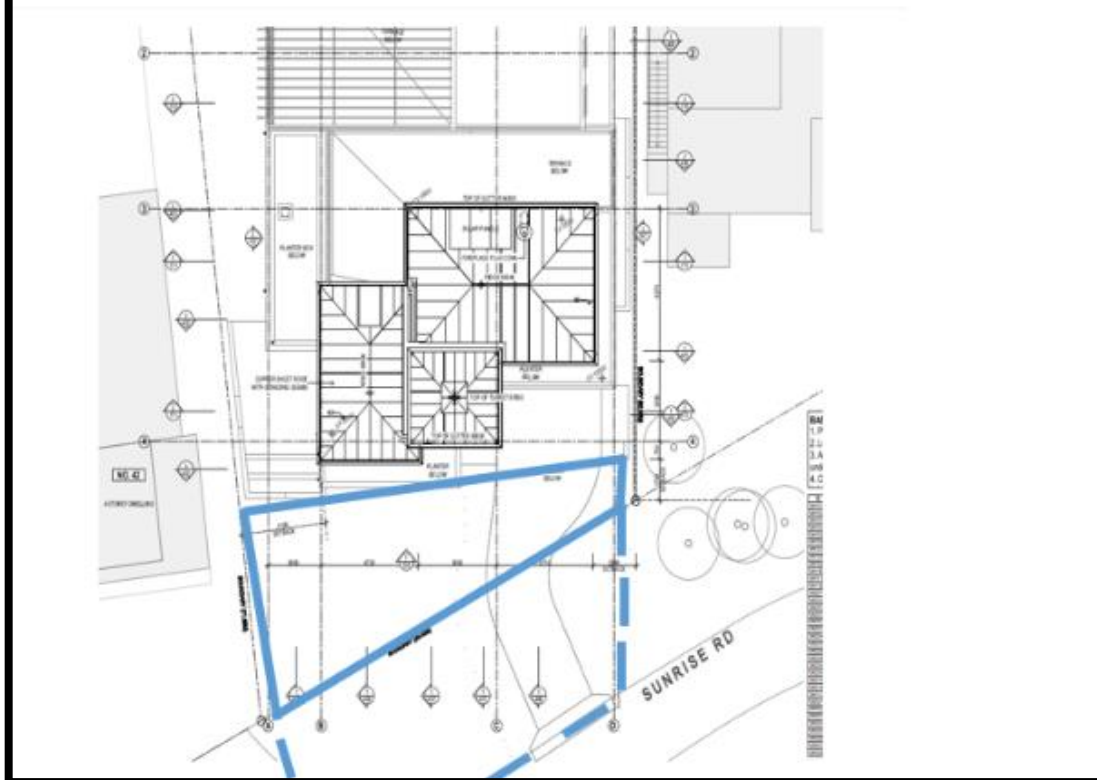
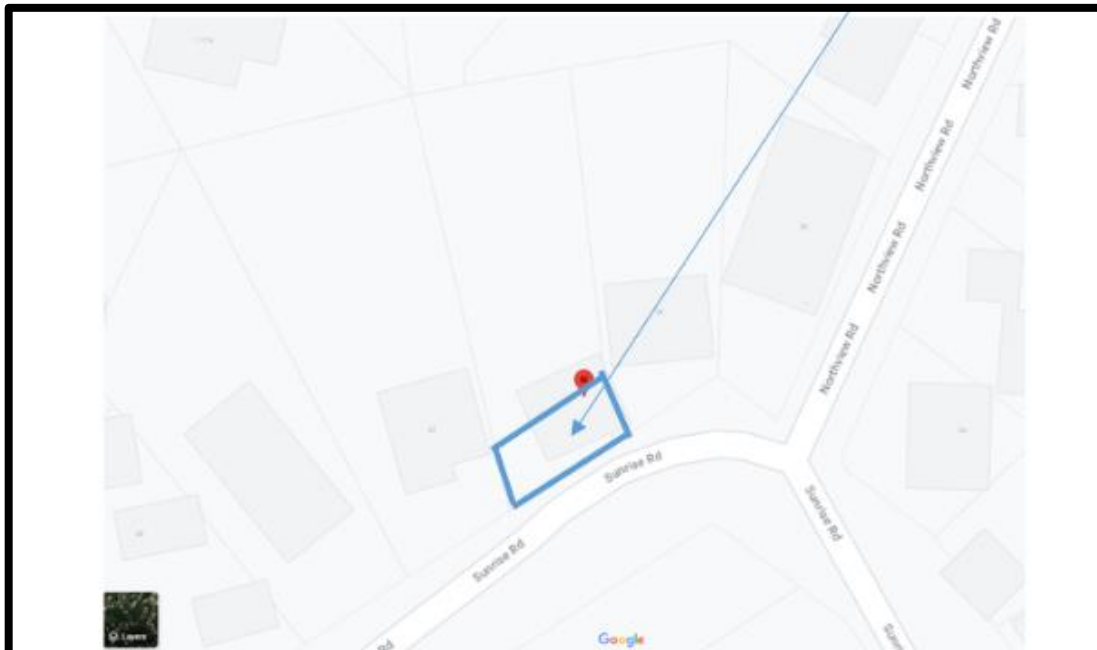


# Traffic Control Plan: Stage 2 Stormwater Connection



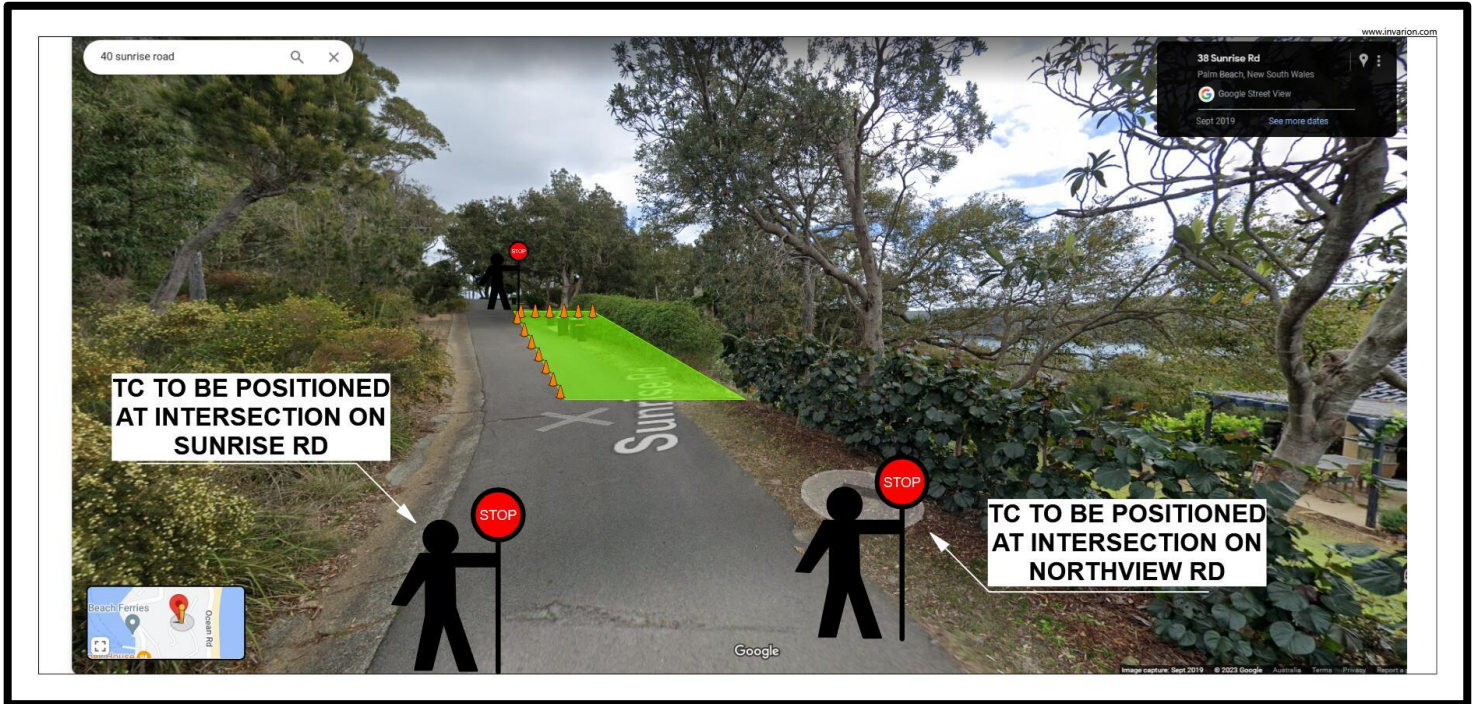
# Appendix C

## Site Plan: Proposed Loading/Unloading Platform





### Site Images:



## Swept Path Analysis

\*to be attached at the end of document\*

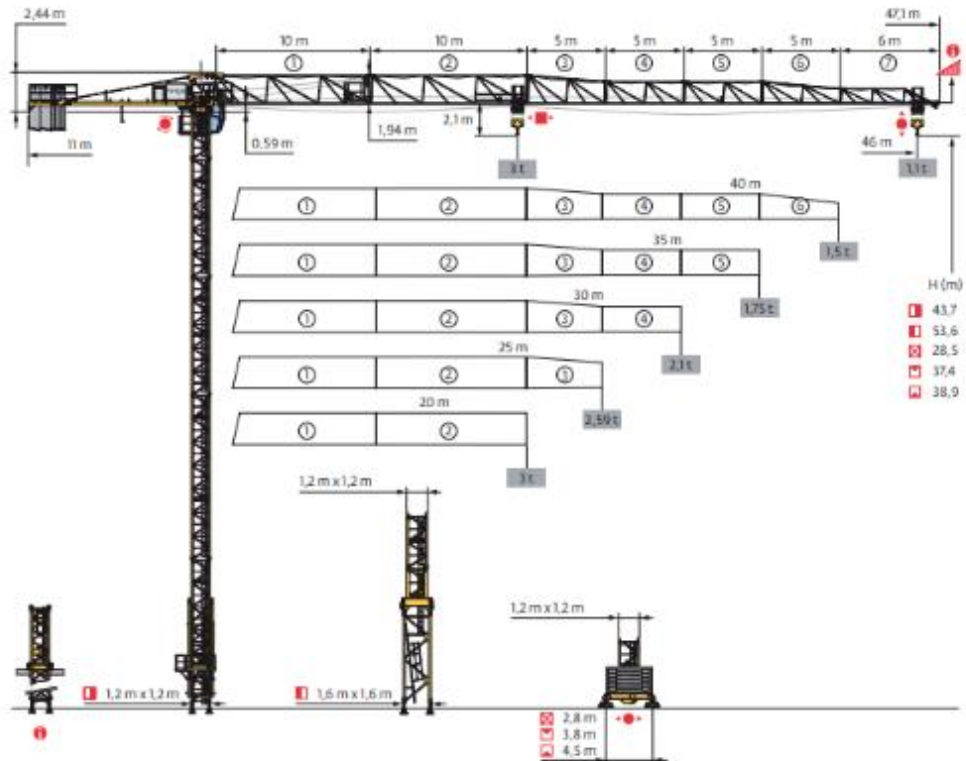
# Appendix D

# Tower Crane Specifications

Grove | Manitowoc | NationalCrane | Potain



## Potain MCT 68



SmartCom



Top Site



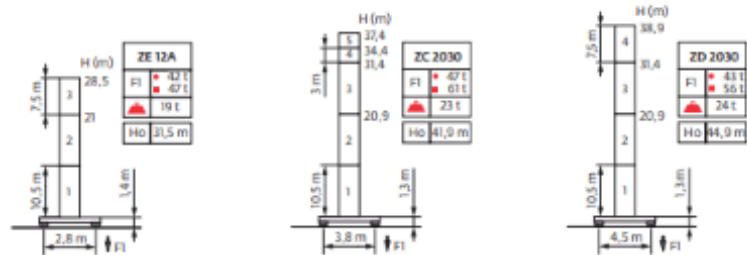
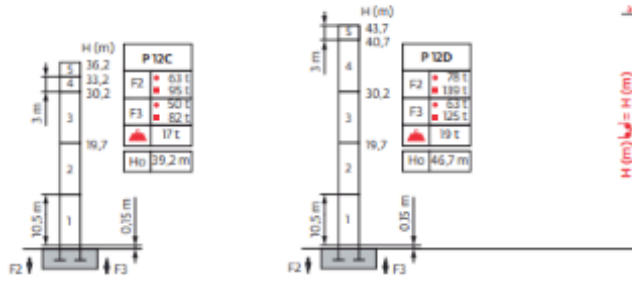
Top Tracing II



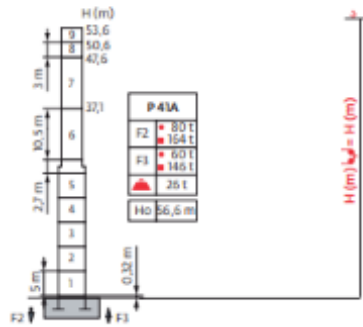
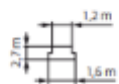
FEM 1.001-A3

Mât - Réactions / Mast - Reaktionskräfte / Mast - Reactions / Mástil - Reacciones / Torre - Reazioni  
 Tramo - Reações / Реакция опор мачты

1,2 m  
 20 m → 46 m



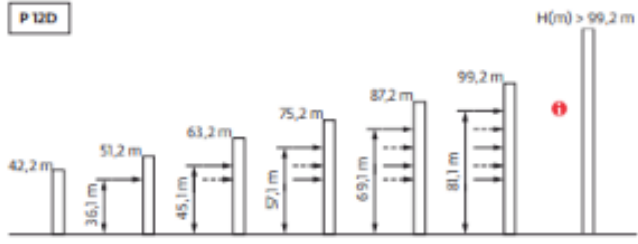
1,6 m/1,2 m  
 20 m → 46 m



ZE 12A		$H1 = H$		$H2 = H$		$H3 = H - 0,5 m$
ZC 2030		$H1 = H$		$H2 = H + 0,3 m$		$H3 = H + 0,2 m$
ZD 2030		$H1 = H$		$H2 = H + 0,3 m$		$H3 = H + 0,2 m$

MCT 68

Anchages / Verankerungen / Anchorages / Anclajes / Ancoraggi  
 Ancoragem / Анкера



Courbes de charges / Lastkurven / Load curves / Curvas de cargas / Curve di carico  
 Curvas de carga / Кривые нагрузок

46 m	2,05 ▶	19,7	20	22	23,1	25	27	30	32	35	37	40	42	45	46	m	
total		3	2,95	2,65	-	2,3	2,1	1,85	1,7	1,55	1,45	1,3	1,25	1,15	1,1	t	
						2,5	2,3	2,1	1,85	1,7	1,55	1,45	1,3	1,25	1,15	1,1	t
40 m	2,05 ▶			22	25	25,8	27	30	32	35	37	40				m	
total				3	2,6	-	2,35	2,1	1,95	1,75	1,65	1,5				t	
							2,5	2,35	2,1	1,95	1,75	1,65	1,5			t	
35 m	2,05 ▶			22	25	25,8	27	30	32	35						m	
total				3	2,6	-	2,35	2,1	1,95	1,75						t	
							2,5	2,35	2,1	1,95	1,75					t	
30 m	2,05 ▶			22	25	25,8	27	30								m	
total				3	2,6	-	2,35	2,1								t	
							2,5	2,35	2,1							t	
25 m	2,05 ▶			22	25											m	
total				3	2,59											t	
					2,5											t	
20 m	2,05 ▶			20												m	
total				3												t	
					2,5											t	

FEM 1.001-A3

Lest de base / Grundballast / Base ballast / Lastre de base / Zavorra di base  
 Lastro da base / Базовый Балласт

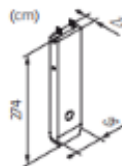
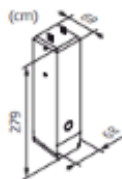
1,2 m	ZE 12A	H (m)	28,5	21		
			••	50	50	
	ZC 2030	H (m)	37,4	34,4	31,4	20,9
			••	75	60	45
	ZD 2030	H (m)	38,9	31,4	20,9	
			••	70	35	25

Poids de flèche & lest de contre-flèche / Auslegergewicht & Gegenauslegerballast / jib weight & counter-jib ballast / Peso de flecha y lastre de contra-flecha / Peso del braccio & zavorra di contro-braccio / Peso da lança & lastro da contra lança  
 Вес стрелы и балласт контр-стрелы

Lunghezza (m)	Lunghezza (m)	Poids (kg) - 25 LVF (+/- 5%)		
		3000 kg	1000 kg	•• (kg)
46 m	4855	2	4	10000
40 m	4685	2	3	9000
35 m	4495	2	2	8000
30 m	4315	2	1	7000
25 m	3930	1	3	6000
20 m	3625	1	2	5000



CBP - 3000 kg

CBQ - 1000 kg





MCT 68

Encombrement et poids / Abmessungen und Gewicht / Dimensions and weight / Dimensiones y peso / Ingombro e peso  
dimensões e pesos / габаритные размеры и вес














Partie tournante / Drehender Krantteil / Slewing crane part / Parte giratoria  
Parte rotante / Parte rotativa / Поворотная часть :  46 m -  25 LVF



Partie tournante / Drehender Krantteil / Slewing crane part Parte giratoria / Parte rotante / Parte rotativa Поворотная часть		L (m)	l (m)	h (m)	kg (+/- 5%)
Contre-flèche / Gegenausleger Counter-jib / Contra-flèche Controbraccio / Contra-lança Контр-стрела		11,88	1,74	2,44	3640
Cabine / Kabine Cab / Cabina Cabina / Cabina Кабина	Ultra View	2,9	2,38	3,03	1100
Élément de flèche / Auslegerement jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы	① 25 LVF 2 DVF	10,73	1,8	2,2	2375
Élément de flèche / Auslegerement jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы	②	10,17	0,8	1,92	895
Élément de flèche / Auslegerement jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы	④ ⑤	5,34 5,13	0,8 0,8	1,5 1,48	290 285
Élément de flèche / Auslegerement jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы	③ ⑥	5,15 5,31	0,8 0,8	1,9 1,47	325 195
Élément de flèche / Auslegerement jib section / Elemento de flecha Elemento di braccio / Elemento de lança Секция стрелы	⑦	6,04	0,8	1	175
Chariot / Laufkatze Trolley / Carrello Carro / Carro-distribuidor Тележка	 2,5 t/3 t	0,89	0,95	0,7	120
Moufle / Hubflasche Pulley block / Aparejo Bozzello / Cademai Полиспаст	 2,5 t/3 t	0,72	0,16	0,99	110



FEM1.001-A3

Pylône / Kranturm / Crane tower Mástil / Torre / Torre Вашня крана		L (m)	l (m)	h (m)	kg (+/- 5%)	
Sage de télescopage / Teleskopwagen Telescopic cage / Jaula de telescopaje Cabbia di telescopaggio / Gaiola de telescopagem для телескопирования крана		Ø1,2 m	6,26	2,8	2,41	1325
S20/S20-2 Mât de télescopage / Teleskopiermast Telescoping mast / Tramo de telescopaje Elemento di telescopaggio / Tramo de Telescopagem Мачта для телескопирования		Ø1,2 m	1,7	1,55	1,6	605
SR 24ES-2 SR 26E-2 S 23B-2		Ø1,2 m	10,7 10,75 10,7	1,26 1,27 1,3	1,26 1,27 1,28	2215 2875 1975
S 23F-2		Ø1,2 m	7,7	1,28	1,28	1450
S 23A-2		Ø1,2 m	3,2	1,3	1,28	620
K 439A K 437A		Ø1,6 m	5,21 5,21	1,67 1,67	1,62 1,62	2230 1850
K40/L20-2 Mât raccord / Verbindungsmast Connecting mast / Tramo unión Elemento raccordo / Tramo raccord Переходная мачта		Ø 1,6/1,2 m	2,94	2,06	2,1	2100
Pied de scellement / Verankerungsfuss Fixing angles / Pie de empotramiento Montante da anegare / Angulos fixadores анкера		P 12C P 12D P 41A	0,49 0,49 0,37	0,49 0,49 0,37	1,12 1,12 1,34	110 165 135
Bras de croix / Fundamentkreuzträger Cross girder / Brazo en cruz Braccio croce / Braço da cruz Поперечная балка		ZC 2030 ZD 2030	5,63 6,62	0,47 0,47	1,45 1,45	1735 1930
Bras de croix / Fundamentkreuzträger Cross girder / Brazo en cruz Braccio croce / Braço da cruz Поперечная балка		ZC 2030 ZD 2030	5,63 6,62	0,82 0,82	1,36 1,36	1500 1690
Bras de croix / Fundamentkreuzträger Cross girder / Brazo en cruz Braccio croce / Braço da cruz Поперечная балка		ZE 12A	4,22	0,63	1,27	1170
1/2 Bras de croix / 1/2 Fundamentkreuzträger 1/2 Cross girder / 1/2 Brazo en cruz 1/2 Braccio croce / 1/2 Braço da cruz 1/2 Поперечная балка		ZE 12A	2,25	0,44	1,27	725
1/2 Bras de croix / 1/2 Fundamentkreuzträger 1/2 Cross girder / 1/2 Brazo en cruz 1/2 Braccio croce / 1/2 Braço da cruz 1/2 Поперечная балка		ZE 12A	2,25	0,39	1,27	790

MCT 68

Mécanismes / Triebwerke / Mechanisms / Mecanismos / Meccanismi  
Mecanismos / Механизмы

400 V - 50 Hz			L1				ch - PS hp	kW	
•	25 LVF 13 Optima	m/min t	36 2,5	57 1,45	71 1,1	86 0,62	25	18	225 m
	25 LVF 15 Optima	m/min t	30 3	48 1,7	60 1,3	72 0,75	25	18	228 m
•	2 DVF 2	m/min	0 → 51				2	1,5	
•	RVF 51 Optima+	tr/min U/min rpm	0 → 0,8				5,5	4	
ZE 12A •	TVD 324	m/min	26				2x4	2x2,9	
ZC 2030 •	RT 224	m/min	25				2x4	2x2,9	
ZD 2030 •	RT 324	m/min	12,5 - 25				2x7	2x5,2	

IEC 60204-32	kVA
400 V (+10% -10%) 50 Hz	25 LVF : 26 kVA

480 V - 60 Hz			L1				ch - PS hp	kW	
•	25 LVF 13 Optima	m/min t	36 2,5	57 1,45	71 1,1	86 0,62	25	18	225 m
	25 LVF 15 Optima	m/min t	30 3	48 1,7	60 1,3	72 0,75	25	18	228 m
•	2 DVF 2	m/min	0 → 51				2	1,5	
•	RVF 51 Optima+	tr/min U/min rpm	0 → 0,8				5,5	4	
ZE 12A •	TVD 324	m/min	31				2x4,8	2x3,5	
ZC 2030 •	RT 224	m/min	30				2x4,8	2x3,5	
ZD 2030 •	RT 324	m/min	15 - 30				2x8,4	2x6,2	

IEC 60204-32	kVA
480 V (+6% -10%) 60 Hz	25 LVF : 26 kVA

