# transport and traffic planning associates

Established 1994

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### **Pittwater RSL Club Proposed Upgraded Access Provisions Traffic and Parking Assessment**

Ref: 24166 November 2024 Date: Issue: A

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## **1.0 Introduction**

This report has been prepared to accompany a Development Application to Northern Beaches Council for the proposed upgrade of the pedestrian and vehicle access and reception provisions for Pittwater RSL Club (Figure 1).

Pittwater RSL Club is a popular 'Community Club' which is located on the western edge of the Mona Vale Centre. The club fills a significant 'niche' for local residents, particularly for those who do not necessarily seek the type of facilities provided by large 'resort' style clubs.

There have been ongoing changes to the Club premises reflecting the preferences of members and the evolving trends. This has continued with a current application to convert some roof top parking to Pickleball Courts. The new proposal responds to the desire to upgrade and modernise some elements and to particularly improve the access and reception arrangements with some minor changes to the carparking and circulation provisions.

The purpose of this report is to:

- describe the existing club and the proposed upgrade scheme
- describe the road network serving the site and the prevailing traffic conditions
- ✤ assess the adequacy of the available parking provision
- ✤ assess the suitability of the vehicle access, internal circulation arrangements
- ✤ assess the potential traffic implications



## 2.0 Proposed Development Scheme

### 2.1 Site, Context and Existing Circumstances

The Pittwater RSL Club site (Figure 2) is Lot 52 in DP1237461 which occupies a triangular shaped area of some 14,700m<sup>2</sup> located on the western edge of the Mona Vale town centre. The site, which has a significant change in levels, has frontages to the southern side of Mona Vale Road and the north-western side of Foley Street. The adjoining and surrounding uses include:

- the industrial/mixed use area adjoining to the west
- the older style residential dwellings to the north, east and south
- the residential dwellings to the north-west and south-west in the Warriewood Valley redevelopment.

The existing club building, which is located on the eastern part of the site, has a total public floor area of some 4,500m<sup>2</sup> with parking spaces principally at-grade but also in a decked parking area. Part of the at-grade Club carpark is used for Sunday markets for some 45 days per year when the available carparking is reduced to provide for the market stalls.

In 2021, the Club made permanent the previous (Covid times) temporary use of part of the rooftop carpark for outdoor dining and beverage consumption. In 2024 an application was made to Council to convert the remaining part of the rooftop carpark for 6 pickle ball courts which will result in the loss of 34 parking spaces. Details of this proposal are provided overleaf.

### 2.2 Proposed Upgrade

The proposed works involve an upgrading and modernisation to enhance the access arrangements along with the Clubs facilities and functionality. It is proposed to:





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- demolish some internal and external building elements
- reconfigure the basement and ground level parking
- construct a new entrance foyer with installation of a lift on the ground floor
- upgrade the drop off and pick up areas
- improve access on level one including provision of a new staircase
- undertake various other minor changes

These proposed changes will result in a minor increase of 219m<sup>2</sup> to the total floorspace however this will be in foyer and circulation areas and will not add to patron capacity while the total car parking provision will be reduced by 11 spaces.

Details of the proposed upgrade scheme are provided on the plans prepared by Bergstrom Architects which accompany the Development Application and are reproduced in part in Appendix A.

### 3.0 Road Network and Traffic Conditions

### 3.1 Road Network

The road network serving the site (Figure 3) comprises:

- Mona Vale Road a State Road and arterial route providing a major east/west connection between the Northern Beaches Area and the Pacific Highway/Ryde Road
- Pittwater Road/Barrenjoey Road a State Road and arterial route (sub-arterial north of Barrenjoey Road)
- Ponderosa Parade-Macpherson Street a 'collector' road which provides the major access for the northern Warriewood industrial area
- Jubilee Avenue, Foley Street and Warriewood Road a minor collector road system

### 3.2 Traffic Controls

There are relatively few traffic controls on the road system serving the area (Figure 4). These existing controls comprise:

- the traffic signals at the Mona Vale Road/Foley Street intersection
- the traffic signals at the Mona Vale Road/Ponderosa Parade/ Samuel Street intersection
- the roundabout at the Ponderosa Parade/Jubilee Avenue intersection
- the 60 kmph speed restriction on Mona Vale Road
- the 50 kmph speed restriction on the local roads
- the Bus Stops in Mona Vale Road and Foley Street at the site frontage
- the NO STOPPING restrictions along both sides of Foley Street and the Mona Vale Road frontage



### 3.3 Traffic Conditions

There are significant arterial flows along Mona Vale Road, however, there are only relatively minor traffic movements along Foley Street and traffic movements are facilitated by the traffic signals at the Mona Vale Road intersections and the roundabouts along Warriewood Road to the south.

### 3.4 Transport Services

The site is located in close proximity to a number of a number of bus services comprising Routes 182, 185, E85 and L85 which operate along the Mona Vale Road and Foley Street routes.

The Club also operates a courtesy bus for patrons from Wednesday to Sunday and it is also available for on-demand movements at other times.



# 4.0 Access, Internal Circulation & Servicing

### Access

Vehicle access for the club will retain the existing driveways as follows:

- separate adjacent ingress and egress driveways on Jubilee Avenue located to the west of Foley Street
- an ingress driveway on Foley Street midway between Mona Vale Road and Jubilee Avenue
- An egress driveway on Foley Street to the north of Jubilee Avenue.

These access arrangements have operated satisfactorily for many years and accord with AS2890.1. The accesses provide adequate capacity and manoeuvring space for all vehicles requiring to enter and exit the site.

### **Internal Circulation**

There will be minor changes to the existing circulation arrangements however, generous access, manoeuvring and parking arrangements will be retained, and the design will be compliant with the criteria specified in AS2890.1. Details of the turning path assessment indicating satisfactory provision for turning and manoeuvring are provided in Appendix D.

### Servicing

The existing arrangements for service and delivery vehicles will remain unchanged.

# 5.0 Parking

There are 422 parking spaces provided on the site at the present time with 344 spaces being available on the days that Sunday Markets are held. The proposal to convert the rooftop carpark to provide pickle ball courts will result in the removal of 34 spaces.

Parking surveys were recently undertaken on a Friday 5:00 – 9:00pm and Sunday 10:00am – 2:00pm and the results provided in Appendix B indicate:

Friday	(422 spaces)
Vacant spaces	72 – 129
Sunday	(344 spaces)
Vacant spaces	120-243

The subject upgrade proposal will result in the loss of 11 spaces which along with the loss for the pickle ball courts will result in a reduced parking provision of 377 spaces. However, this will still provide some 30 spaces more than the peak demand recorded on a Friday and 75 spaces more than the peak demand recorded on a Sunday.

It is apparent that the reduced parking provision will be quite adequate for the peak demands of the Club particularly when the provision of the Pickleball courts and the proposed upgrade will not result in any increased patronage.

# 6.0 Traffic

Because the proposed upgrade works will not result in any increased patronage, the traffic generation of the club will remain unchanged at all times.

# 7.0 Conclusion

The Pittwater RSL Club is a popular community club, and the proposed upgrade scheme involves access improvements and some changes to the existing parking and circulation arrangements.

Assessment provided in this report has concluded that:

- the proposed parking provision will be adequate to accommodate the peak demands
- there will be no adverse traffic implications
- the vehicle access and internal circulation provisions will be suitable and appropriate.

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# Appendix A

Plans of Existing









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	PROJECT ADDRESS 82 MONA VALE ROAD MONA VALE, N.S.W., 2103
	NORTH 1:200 @ A1 2 0 2 4 6 8m
	<ul> <li>GENERAL NOTES:</li> <li>1. DO NOT SCALE OFF DRAWINGS. USE ONLY FIGURED DIMENSIONS.</li> <li>2. ALL DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.</li> <li>3. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF BERGSTROM ARCHITECTS PTY LTD BEFORE COMMENCEMENT OF ANY WORK.</li> <li>4. ALL DIMENSIONS ARE GIVEN IN MILLIMETRES EXCEPT LEVELS &amp; DRAWINGS TO SCALE 1:500 AND SMALLER WHICH ARE IN METRES.</li> <li>5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT CONSULTANTS DOCUMENTATION.</li> <li>6. ALL DESIGNS, PRINTS &amp; SPECIFICATIONS ARE THE PROPERTY OF BERGSTROM ARCHITECTS PTY LTD &amp; MUST NOT BE ISSUED, USED OR REPRODUCED WITHOUT WRITTEN PREMISSION FROM BERGSTROM ARCHITECTS PTY LTD.</li> </ul>
	<ol> <li>DA NOTES:</li> <li>DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT APPLICATION FORM AND STATEMENT OF ENVIRONMENTAL EFFECTS.</li> <li>THE NEW BUILDING WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROVISIONS OF THE BCA.</li> <li>ALL NEW BUILDING WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE NOTICE OF DETERMINATION FOR THIS DEVELOPMENT APPLICATION.</li> <li>DISABILITY ACCESS AND FACILITIES TO BE IN ACCORDANCE WITH AS 1428.1 AND AS 1428.4</li> <li>THE PROPOSED WORKS WILL ADDRESS FIRE SAFETY MEASURES TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE BCA (EITHER DEEMED TO SATISFY OR ALTERNATIVE SOLUTIONS TO BE PREPARED BY A QUALIFIED FIRE ENGINEER).</li> <li>ALL MEANS OF EGRESS, EMERGENCY LIGHTING, EXIT SIGNS, FIRE DOORS, FIRE HYDRANT SYSTEMS, FIRE HOSE REEL SYSTEMS, PORTABLE FIRE EXTINGUISHERS, SMOKE AND HEAT VENTS, SMOKE DETECTION, ALARM AND EXHAUST SYSTEM TO BE IN ACCORDANCE WITH THE BCA AND OTHER RELEVANT AUSTRALIAN STANDARDS.</li> </ol>
	A 24.10.24 DA ISSUE
	REVDATE DESCRIPTION PROJECT MANAGER INKEED ARCHITECT DESCROMARCHITECTS PTY. LTD. (ABN 75 095 092 989) SUITE 103/3 EDEN STREET, NORTH SYDNEY NSW 2060 Ph. 02.8920.1499 Fax. 02.8920.1599 PROJECT ALTERNATIONS & ADDITIONS TO PITTWATER RSL CLUB
	DRAWING EXISTING LEVEL 1 FLOOR PLAN
<b>DA ISSUE</b>	SCALE         DRAWING NO.         REVISION           1:200 @ A1         DA- 030         A           JOB NUMBER         DRAWN BY         DATE           23-003         July 2024           24/10/2024 16:09:27



	PROJECT ADDRESS 82 MONA VALE ROAD MONA VALE, N.S.W., 2103
	<ul> <li>NORTH</li> <li>1:200 @ A1</li> <li>2 4 6 8m</li> <li>2 4 6 8m</li> </ul> <b>GENERAL NOTES:</b> <ol> <li>DO NOT SCALE OFF DRAWINGS. USE ONLY FIGURED DIMENSIONS.</li> <li>ALL DIMENSIONS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK.</li> <li>ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF BERGSTROM ARCHITECTS PTY LTD BEFORE COMMENCEMENT OF ANY WORK.</li> <li>ANY DISCREPANCIES ARE GIVEN IN MILLIMETRES EXCEPT LEVELS &amp; DRAWINGS TO SCALE 1:500 AND SMALLER WHICH ARE IN METRES.</li> <li>THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT CONSULTANTS DOCUMENTATION.</li> <li>ALL DESIGNS, PRINTS &amp; SPECIFICATIONS ARE THE PROPERTY OF BERGSTROM ARCHITECTS PTY LTD &amp; MUST NOT BE ISSUED, USED OR REPRODUCED WITHOUT WRITTEN PREMISSION FROM BERGSTROM ARCHITECTS PTY LTD.</li> </ol>
	<ul> <li>DA NOTES:</li> <li>1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT APPLICATION FORM AND STATEMENT OF ENVIRONMENTAL EFFECTS.</li> <li>2. THE NEW BUILDING WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROVISIONS OF THE BCA.</li> <li>3. ALL NEW BUILDING WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE NOTICE OF DETERMINATION FOR THIS DEVELOPMENT APPLICATION.</li> <li>4. DISABILITY ACCESS AND FACILITIES TO BE IN ACCORDANCE WITH AS 1428.1 AND AS 1428.4</li> <li>5. THE PROPOSED WORKS WILL ADDRESS FIRE SAFETY MEASURES TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE BCA (EITHER DEEMED TO SATISFY OR ALTERNATIVE SOLUTIONS TO BE PREPARED BY A QUALIFIED FIRE ENGINEER).</li> <li>6. ALL MEANS OF EGRESS, EMERGENCY LIGHTING, EXIT SIGNS, FIRE DOORS, FIRE HYDRANT SYSTEMS, FIRE HOSE REEL SYSTEMS, PORTABLE FIRE EXTINGUISHERS, SMOKE AND HEAT VENTS, SMOKE DETECTION, ALARM AND EXHAUST SYSTEM TO BE IN ACCORDANCE WITH THE BCA AND OTHER RELEVANT AUSTRALIAN STANDARDS.</li> </ul>
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	ARCHITECT DEDEDGSTOD ARCHITECTS BERGSTROM ARCHITECTS PTY. LTD. (ABN 75 095 092 989) SUITE 103/3 EDEN STREET, NORTH SYDNEY NSW 2060 Ph. 02.8920.1499 Fax. 02.8920.1599 PROJECT ALTERNATIONS & ADDITIONS TO PITTWATER RSL CLUB
	DRAWING EXISTING ROOF PLAN SCALE DRAWING NO. REVISION
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## Appendix **B**

## **Development Plans**





was commissioned. BERGSTROM ARCHITECTS accepts no responsibility for this document to any other party other than the person by whom it was commissioned

#### PROJECT ADDRESS 82 MONA VALE ROAD MONA VALE, N.S.W., 2103



#### **GENERAL NOTES:**

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#### DA NOTES:

- 1. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DEVELOPMENT APPLICATION FORM AND STATEMENT OF ENVIRONMENTAL EFFECTS.
- . THE NEW BUILDING WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROVISIONS OF THE BCA.
- 3. ALL NEW BUILDING WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE NOTICE OF DETERMINATION FOR THIS DEVELOPMENT APPLICATION.
- DISABILITY ACCESS AND FACILITIES TO BE IN ACCORDANCE WITH AS 1428.1 AND AS 1428.4 . THE PROPOSED WORKS WILL ADDRESS FIRE SAFETY
- MEASURES TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE BCA (EITHER DEEMED TO SATISFY OR ALTERNATIVE SOLUTIONS TO BE PREPARED BY A QUALIFIED FIRE ENGINEER).
- ALL MEANS OF EGRESS, EMERGENCY LIGHTING, EXIT SIGNS, FIRE DOORS, FIRE HYDRANT SYSTEMS, FIRE HOSE REEL SYSTEMS, PORTABLE FIRE EXTINGUISHERS, OVER 10 PROVIDENT OF THE PROVIDENT. SMOKE AND HEAT VENTS, SMOKE DETECTION, ALARM AND EXHAUST SYSTEM TO BE IN ACCORDANCE WITH THE BCA AND OTHER RELEVANT AUSTRALIAN STANDARDS

#### LEGEND:

EXTENT OF NEW WORKS

EXTENT OF ALTERATIONS

EXISTING BUILDING REMAIN SAME. NOT INCLUDED AS PART OF DA WORKS.



#### EXISTING WALLS & STRUCTURE TO REMAIN

A 24.10.24 DA ISSUE

REVDATE DESCRIPTION PROJECT MANAGER

# ARCHITECT

BERGSTROM ARCHITECTS PTY. LTD. (ABN 75 095 092 989) SUITE 103/3 EDEN STREET, NORTH SYDNEY NSW 2060 Ph. 02.8920.1499 Fax. 02.8920.1599

#### PROJECT **ALTERNATIONS & ADDITIONS** TO PITTWATER RSL CLUB

### DRAWING SITE PLAN

CALE		DRAWING NO.	REVISION
	NTS	DA- 001	А
OB NUMBER	DRAWN BY		DATE
23-003			July 2024

24/10/2024 16:09:22









24/10/2024 16:09:29









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# Appendix C

Parking Survey Results





Date:	Friday, 6 September 2024
Location:	Pittwater RSL Club
GPS:	-33.677985, 151.292593
Weather:	Fine
Customer:	

Public							Parking Occupancy					
	Map Ref	p Ref Street	Section	Side	Restriction	Clear Way	Capacity	17:00	18:00	19:00	20:00	21:00
1		Pittwater RLS Car Park	Multi Level Car Park		Unrestricted		93	18	25	36	32	24
1					Disabled		1	0	0	1	1	1
1			RSL Site Parking		Disabled		18	10	13	14	11	15
1					Unrestricted		116	41	56	75	53	39
1			Market - On Grade Parking		Unrestricted		192	3	2	3	2	0
1					Disabled		2	0	0	0	0	0
	PUBLIC	CAPACITY						422	422	422	422	422
	PUBLIC	OCCUPANCIES						72	96	129	99	79
	PUBLIC	VACANCIES						350	326	293	323	343
	PUBLIC	% OCCUPANCIES						17%	23%	31%	23%	19%

not available for public parking





Date:	Sunday 8 September 2024
Location:	Pittwater RSL Club
GPS:	-33.677985, 151.292593
Weather:	Fine
Customer:	

Public						Clear Way	Capacity	Parking Occupancy					
	Map Ref	Ref Street	Section	Side	Restriction			10:00	11:00	12:00	13:00	14:00	
1		Pittwater RLS Car Park	Multi Level Car Park		Unrestricted		93	21	12	13	16	22	
1					Disabled		1	0	0	0	0	0	
1			RSL Site Parking		Disabled		18	2	9	6	7	12	
1					Unrestricted		116	99	77	77	42	49	
1			Market - On Grade Parking		Unrestricted		104	90	85	74	48	8	
1					Disabled		2	2	2	1	0	0	
	PUBLIC	CAPACITY						334	334	334	334	334	
	PUBLIC	OCCUPANCIES						214	185	171	113	91	
	PUBLIC	VACANCIES						120	149	163	221	243	
	PUBLIC	% OCCUPANCIES						64%	55%	51%	34%	27%	

not available for public parking



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# Appendix D

Turning Path Assessment









#### NOTE

This drawing has been prepared using vehicle modelling computer software AutoTrack V5.00a in conjunction with AutoCAD 2013. The vehicle used is based upon vehicle data provided by Austroads and incorporates a reasonable degree of tolerance. However, it is not possible to account for all vehicle types/characteristics and/or driver ability.



#### SWEPT PATH ANALYSIS OF 99th PERCENTILE VEHICLE CIRCULATING THE SITE

SP 3