FOOD AND FUNCTION MASTERPLAN

MEADOWS ROAD, MOUNT PRITCHARD

Assessment of Traffic and Parking Implications

October 2014 (Rev D)

Reference 14014 (A)

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1. Introduction

This report has been prepared to accompany a Development Application to Fairfield City Council for a proposed "Food and Function Masterplan" for the Mount Pritchard Community Club located on Meadows Road, Mount Pritchard (Figure 1).

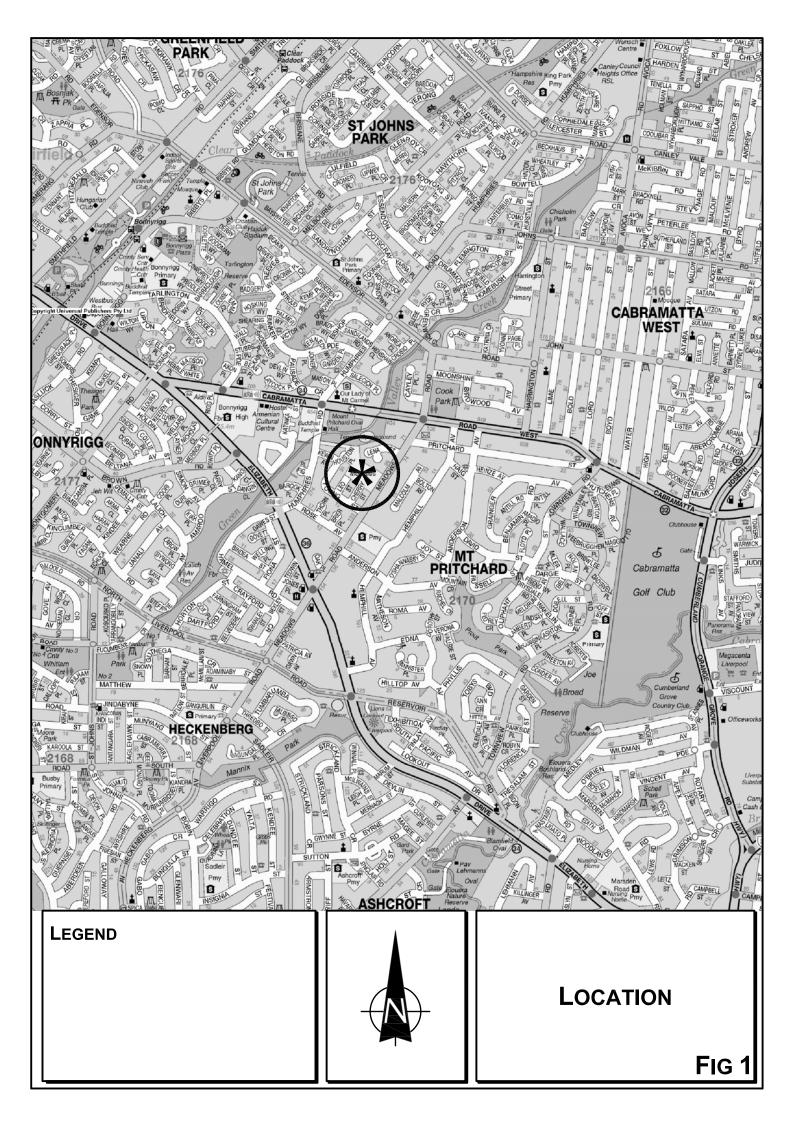
The Mount Pritchard Community Club ("Mounties") is a popular social and sports club which has been established for more than 45 years. The club is cognisant of the changing expectations of its members and has recognised the need for the expansion and upgrading of facilities to take advantage of the large landholding and the increasing population resultant to urban development in the region.

The Club currently has a "public" floor area¹ of 11,918m². In 2009 consent was granted (DA335/2005) for a scheme involving major alterations and additions to the Club which would have increased the public floor area to 13,826m² (+ 1,908m²). However, this scheme did not proceed.

In more recent times consent has been granted (DA607/2012) for an upgrading of the main foyer area and porte cochere facility and construction work will commence in early 2015 on this element. A Development Application has also recently been lodged with Council to construct a new basement carpark adjacent to the port cochere and linked into the upgraded foyer.

The Food and Function Masterplan scheme proposes extensions to the Club building over 3 levels to improve the services available for members and guests particularly in relation to dining and function facilities. The proposal will result in the public area increasing by 1,997m² while the parking provision will increase substantially as a result of the proposed new basement carpark proposed in the application currently with Council.

Public floor area is the term used to describe areas generally available to club patrons when participating in club activities. It includes bars, lounges, gaming rooms, billiard rooms, auditorium, function rooms, gymnasium etc., but excludes office areas, staff amenities, food preparation and other "back-of-house" facilities etc.



The purpose of this report is to:

- * describe the existing club circumstances and the Food and Function Masterplan scheme
- * describe the road network serving the site and the prevailing traffic conditions
- * assess the patronage characteristics of the club
- * assess the adequacy of the proposed parking provision
- assess the potential traffic implications
- * assess the suitability of the proposed vehicle access, internal circulation and servicing arrangements

2. Proposed Masterplan Development Scheme

2.1 SITE, CONTEXT AND EXISTING/APPROVED DEVELOPMENT

The site (Figure 2) occupies a large irregular shaped area of some 5.5 ha while the club also owns a number of adjoining residential properties. The site has frontage to and vehicle accesses on Meadows Road and Humphries Road while the surrounding uses include:

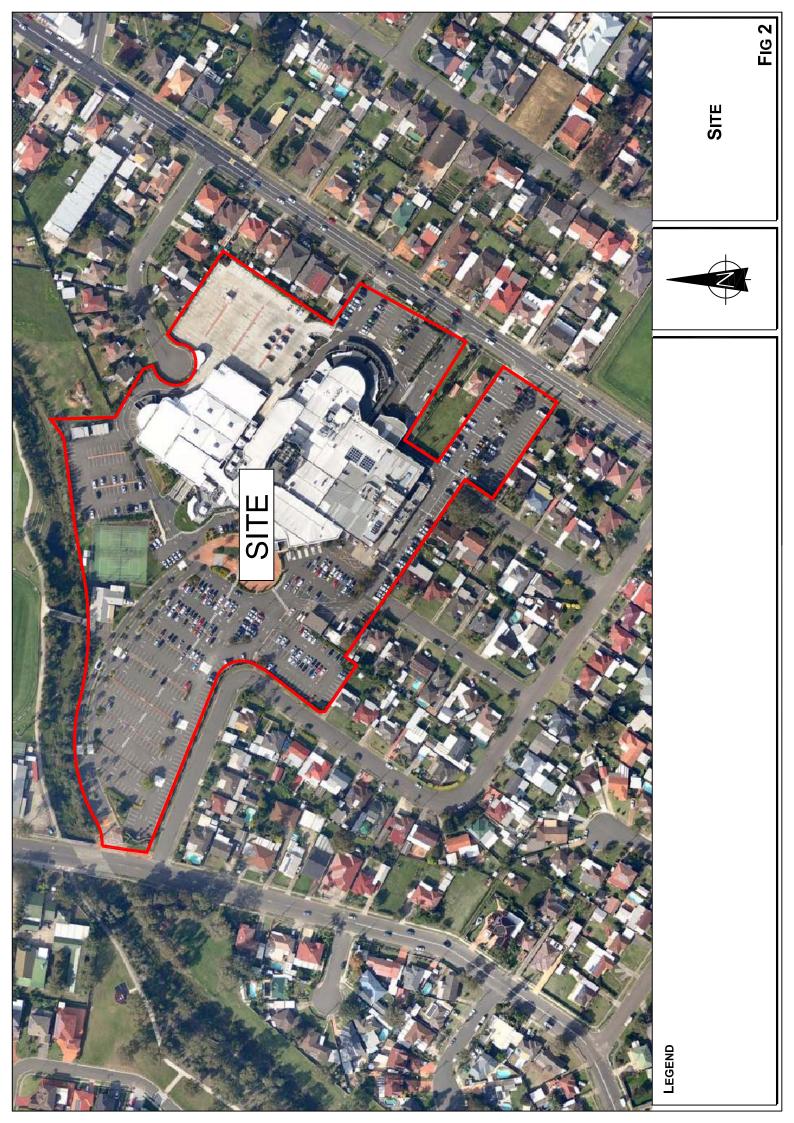
- * the Mount Pritchard Oval and Sports ground to the north
- * the residential properties to the north, south and east
- * the High School, Armenian Cultural Centre, Buddhist Temple and Aldi Supermarket on Cabramatta Road
- * the Cabramatta Centre some distance to the east

The existing club building, which is located in the centre and eastern part of the site, has a total "public floor area" of 11,918m² with pedestrian entries located on the Meadows Road and Humphries Road sides of the building. The existing Club carparking provision of 1,332 spaces comprises:

- **★** 1,031 spaces in the various open carpark areas
- ★ 301 spaces in a basement carpark area

The existing vehicle access provisions comprise:

- an ingress/egress driveway on the Humphries Road frontage
- * an egress driveway on Meadows Road at the northern boundary and separate ingress driveway towards the centre of this frontage and an egress driveway towards the southern boundary



In 2009 consent was granted for a development scheme (DA 335/2005) involving major alterations and additions to the club. This approved scheme comprised:

- relocation and expansion of the existing auditorium
- provision of a new bowling centre and games area
- provision of a number of external "smokes" terraces
- relation of the existing bottleshop and other ancillary shops
- enlarging of the existing dining areas
- increasing the public floor area by 1,908m² to 13,826m². At about that time the Club had just completed extensions to the existing carparking increasing the carparking available from 1,032 to 1,332 spaces. Details of this approved development scheme (which did proceed) are provided on the plans reproduced in Appendix A.

2.2 CURRENT DEVELOPMENT CIRCUMSTANCES

Construction work on the approved foyer upgrade (DA607/2012) will commence in early 2015 and details of this work are provided in Appendix B. That consent required a total of 1,207 parking spaces to be provided and while the work will result in a minor reduction to the existing spaces there will in fact be 1,307 spaces available on completion of the work.

A Development Application (DA 375/2014) has also recently been submitted for a new 3 level basement carpark to be constructed in the western corner of the site. Vehicle access ramps will connect to ground level at the eastern side (to the main Humphries Road access roadway) and at the western end (to the vehicle corridor along the western boundary).

A total of 433 spaces will be provided in the new basement facility while the resultant reconfiguration of the surface carpark will result in a total parking provision on the site of 1,607 spaces. This reconfiguration will include:

 conversion of the existing egress driveway on Meadows Road (near the southern boundary to a combined ingress/egress

 minor adjustment to the carpark area in the southern corner of the site (to accommodate the change to ingress/egress) with these spaces being designated for staff use

Details of the proposed basement carpark and alterations to the surface parking are provided on the plans prepared by Paynter Dixon which accompanied the Development Application and are reproduced in part in Appendix C.

2.3 Proposed Masterplan

The Masterplan proposes extensions over the 3 building levels and significant upgrade and rearrangement of facilities within the building including the loading dock. The scheme has the fundamental objective of improving the range of services available in the Club for members and guests as well as upgrading staff amenities and goods handling. In particular the scheme aims to improve and extend the facilities available for dining and functions.

The elements of the scheme are as follows:

Lower Ground Floor

Extension and rearrangement of the goods receiving and loading facility including new access ramp and manoeuvring area. It is also proposed to extend and upgrade the staff amenities area.

Ground Floor

Provide a new restaurant and café precinct introducing new restaurants together with new lounge and bar areas.

First Floor

Provide a new multi-purpose function room together with refurbishment of existing function facilities and provision of new kitchen catering facilities.

As a result of construction of the new basement carpark (current DA) and further rearrangement of parking there will be a total of 1,630 carparking spaces available with completion of the masterplan works.

Details of the Masterplan scheme area provided on the plans prepared by Paynter Dixon which accompany the Development Application and are reproduced in Appendix D.

3. ROAD NETWORK AND TRAFFIC CONDITIONS

3.1 ROAD NETWORK

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

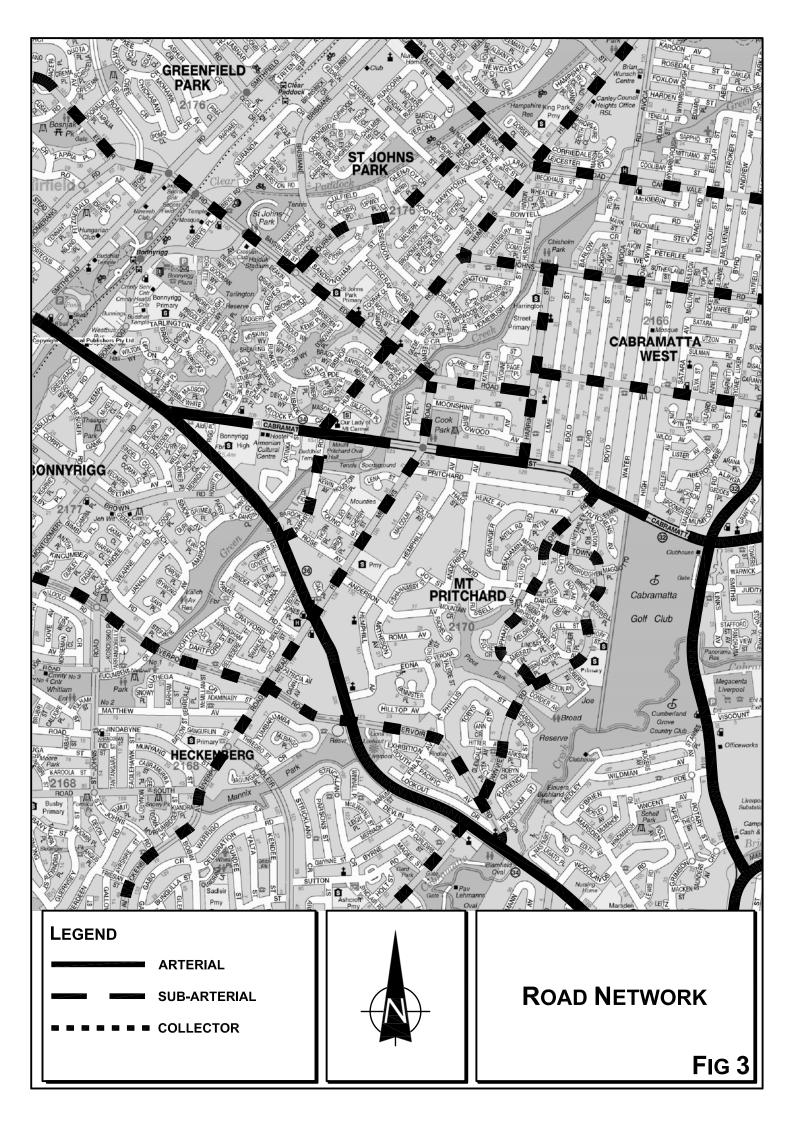
- ★ Cumberland Highway a State Road and arterial route linking across the Metropolitan Area between Carlingford and Liverpool
- * Elizabeth Drive a State Road and arterial route linking between Liverpool and Luddenham
- ★ Cabramatta Road a State Road and sub-arterial route linking between the Hume Highway and Elizabeth Drive
- ★ Meadows Road part of Regional Road and collector road route with Edensor Road and Liverpool Road
- Humphries Road a minor collector road connecting across Elizabeth Drive and Cabramatta Road

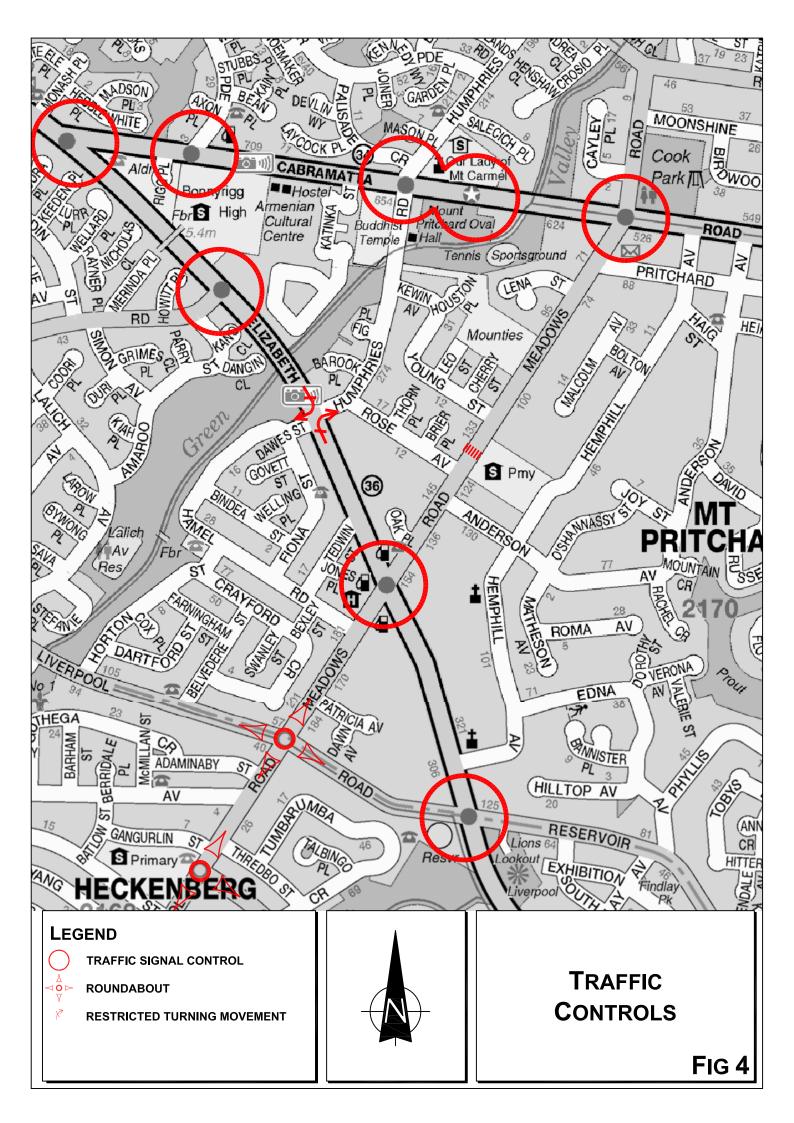
Both Meadows Road and Humphries Road are relatively straight and level in the vicinity of the site being some 13m wide with one traffic lane and a parking lane in each direction.

3.2 TRAFFIC CONTROLS

The existing traffic controls in the vicinity of the site (Figure 4) comprise:

- ★ the traffic signals at the Elizabeth Drive/Meadows Road intersection
- * the traffic signals at the Cabramatta Road and Meadows Road intersection





- * the traffic signals at the Humphries Road and Cabramatta Road intersection
- * the other traffic signal controlled intersection along Cabramatta Road and Elizabeth Drive
- * the 60 kmph speed restriction on Meadows Road, Cabramatta Road and Elizabeth Drive and 50 kmph on the other roads with a 40kmph School Zone restriction on Meadows Road in the vicinity of the Primary School
- * the NO RIGHT TURN restrictions on Elizabeth Drive at the Humphries Road intersection
- * the marked footcrossing on Meadows Road at the Mount Pritchard Primary School
- * the NO STOPPING restrictions along the Club frontages to Meadows Road and Humphries Road

3.3 TRAFFIC CONDITIONS

An indication of the prevailing traffic conditions on the road system serving the site is provided by data published by RMS and surveys undertaken as part of this study. The RMS data is expressed in terms of Annual Average Daily Traffic (AADT) and the most recently recorded volumes indicate:

	AADI
Cabramatta Road east of Elizabeth Drive	14,794
Elizabeth Drive south of Cabramatta Road	26,122

Traffic surveys have been undertaken at the Club access connections with Meadows Road and Humphries Road during the peak Friday afternoon/evening period. The results of those surveys are provided in Appendix E and summarised in the following:

	Friday 6.0 – 7.0pm		
Meadows Road	NB SB	474 699	
North Exit	RT LT	47 71	
Central Entry	RT LT	109 171	
South Exit	RT LT	48 28	
Humphries Road	NB RT SB LT	174 59 424 167	
Access	RT LT	112 59	

NB – Northbound etc

Observations of the operational performance of the Club accesses on Humphries Road and Meadows Road reveal that satisfactory circumstances prevail during the peak Club traffic circumstance (Friday 6.0 – 7.0pm).

The operational performance of the intersections in the area is also relatively satisfactory with a LOS range of B to D.

3.4 TRANSPORT SERVICES

Public transport services are provided by the bus services which operate along Cabramatta Road, Meadows Road and Elizabeth Drive (Routes 801, 806-8 and 815/816). These routes provide regular services 7 days a week including late Friday and Saturday night services.

The Club also operates a regular courtesy bus as well as a "door to door" service 7 days a week.

Details of the available public and Club services are provided in Appendix F.

4. TRAVEL MODE

Extensive patron travel mode interview surveys have been undertaken at the Club and the results of the interview surveys are provided in the table below and are summarised in the following:

- during the day-time an average of some 54% of Club patrons drove a car to/from the Club, with some 38% of Club patrons traveling as car passengers with an average vehicle occupancy of some 1.8 persons per car
- during the night-time an average of some 43% of Club patrons drove a car to the Club, with some 48% traveling as car passengers with an average vehicle occupancy of some 2.0 persons per car.

Car driver rates were less during the Friday and Saturday nights with an average of some 39% drivers and a corresponding increase in car passengers to some 55%, with an average vehicle occupancy of some 2.5 persons per car.

TRAVEL MODE SURVEY RESULTS									
Time	CD	СР	CPI	PT	PC	CM	Т	W	0
Before 5pm	1263	883	58	11	30	16	9	75	3
%	53.8	37.6	2.5	0.5	1.3	0.7	0.4	3.2	0.1
After 5pm	1170	1296	93	10	2	31	43	52	2
%	43.3	48.0	3.4	0.4	0.1	1.1	1.6	1.9	0.1
Total	2433	2179	151	21	32	47	52	127	5
%	48.2	43.2	3.0	0.4	0.6	0.9	1.0	2.5	0.1

CD - car driver; CP - car passenger; CPI - car passenger dropped off; PT - public transport; PC - Coach; CM - Club Minibus; T - taxi; W - walk; O - other

5. PATRONAGE

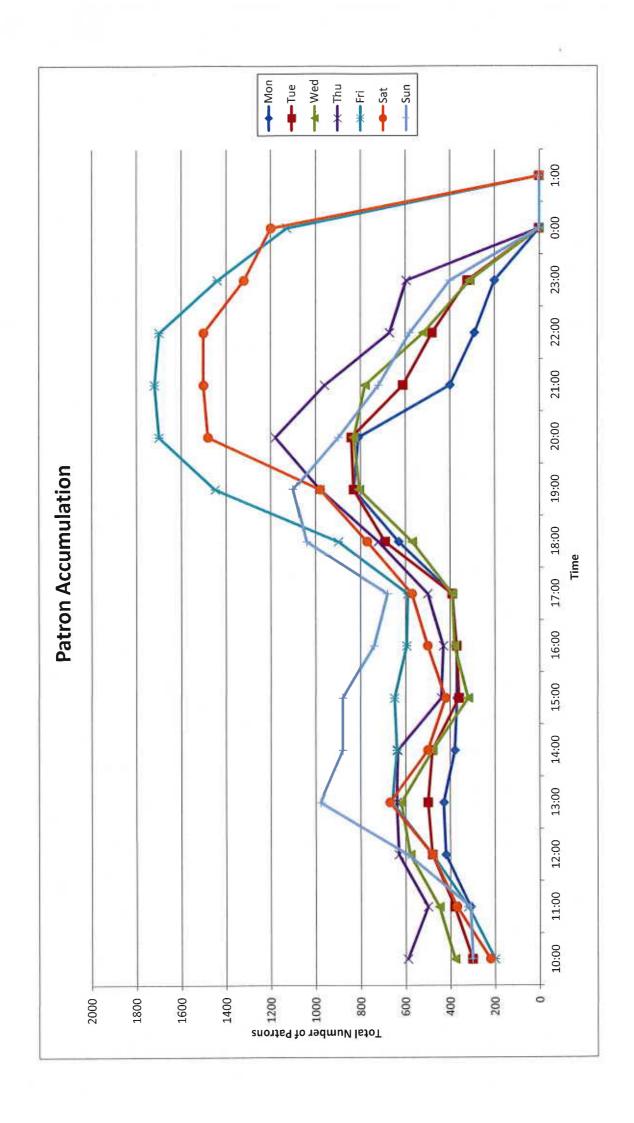
Surveys of the current patronage levels in the various club areas have been undertaken between 6.00pm and 10.00pm (Monday – Sunday).

The results of the surveys are summarised on the graph overleaf indicating:

- relatively consistent patron attendance for Monday to Thursday
- heightened patron attendance on Friday and Saturday evenings
- peak attendance of 1,680 persons at 8.30pm on Friday

During the day-time (before 5pm) the average maximum patron attendance was some 650 persons with highest recorded on Sunday of some 960 persons. During the evening (after 5pm) the average maximum was some 850 persons.

Therefore it is apparent that the average patron attendance is in the order of 650 to 850 persons apart from Friday and Saturday evening when the average maximum attendance is some 1,680 persons.



6. Parking

Parking accumulation surveys have been undertaken in the Club carpark and on-street in the area on a Friday and Saturday night in November. The results of those surveys are provided in Appendix G and summarised in the following:

	Percentage of Spaces Occupied				
	Club Carpark		On-	street	
	Friday	Saturday	Friday	Saturday	
5.0pm	33.2%	30.0%	10.9%	6.5%	
6.0pm	40.6%	34.1%	9.8%	5.4%	
7.0pm	57.0%	38.1%	10.9%	9.8%	
8.0pm	69.6%	47.9%	9.8%	10.9%	
9.0pm	77.8%	51.6%	37.0%	14.1%	
10.0pm	78.5%	52.6%	37.0%	14.1%	
11.0pm	70.6%	47.9%	26.1%	14.1%	

It is apparent that:

- ★ On a normal Friday night in November up to 78.5% of spaces are occupied
- * On a normal Friday night in November some 30 to 40 cars that are parked onstreet in the vicinity can reasonably be assumed to be patrons

It can be taken that the Club carpark would be deemed to be full at some 92 to 95% and as such there is currently some 350 spaces spare on a normal Friday night.

With the Masterplan scheme (incorporating the new basement carpark) the total number of on-site parking will increase to 1,630 spaces.

The Masterplan will increase the public floor area in the Club by 1,997m² and the additional parking demand can be extrapolated by assessment based on a pro-rata extension of the existing demand rates as follows:

Day Time

Existing Av. Maximum Demand Existing Peak Demand	(650) (960)	1 space per 25.3 m ² 1 space per 20.1 m ²
Night Time		
Existing Av. Maximum Demand	(1,100)	1 space per 18.6 m ²
Existing Peak Demand	(1,600)	1 space per 14.3 m ²

Application of this data to the proposed increased public floor area would indicate the following increased parking demand.

Day Time

Av. Maximum Demand	79 cars
Peak Demand	100 cars

Night Time

Av. Maximum Demand	108 cars
Peak Demand	140 cars

Therefore the normal peak parking demand with the Masterplan can be accommodated within the existing parking provision on the site (ie. without DA375/2014).

However, the parking provision which will be available for the Masterplan (with DA375/2014) will be some 300 spaces more than that which exists at the present time and some 423 spaces more than that required for the foyer upgrade consent. It is apparent that both the existing parking provision and that which will be available with DA375/2014 will be more than adequate for any additional parking demand consequential to the Masterplan extensions to the Club.

7. TRAFFIC

The proposed changes to the carparking (space provision and access) will:

- encourage the 30 to 40 patrons who appear to prefer to park on-street (possibly due to the inconvenience to "circulate and search" onsite for a space) to park on-site
- facilitate more direct ingress and egress on Meadows Road due to the proposed ramps connecting to the access corridor along the southern boundary and the new ingress provision on Meadows Road

It is difficult to anticipate to what degree this will alter the existing access movements which occur on Meadows Road, however, it is apparent that the change will be relatively minor. At the present time during the peak Friday night activity (6.0-7.0pm) the following relatively balanced movements occur:

	Meadows	Humphries
IN	226	280
OUT	171	194
TOTAL:	397	474

It is apparent that the basement carpark and associated carpark/access reconfiguration proposed in DA375/2014 will potentially result in the "balance" between access movements on Meadows Road and Humphries Road becoming more equal.

The assessed additional peak parking demand resultant to the Masterplan scheme as indicated in the previous Section is some 140 cars or some 14% more than the current peak parking accumulation. The increased public floor area resultant to the Masterplan scheme is some 17% and it is reasonable therefore to assume that peak access traffic movements will increase by some 15% as a result of the proposal.

The existing total peak access movements (Friday 6.0 – 7.0pm) are as follows:

IN	OUT	TOTAL
506	365	871

If these volumes are increased by 15% and "rebalanced" the projected movements resultant to the Masterplan will be as follows:

	Meadows	Humphries	Total
IN	282	300	582
OUT	200	220	420

Assessment of the operational performances of these accesses with the changed access movements has been undertaken using SIDRA. The results of that assessment are provided in Appendix H and summarised in the following while the criteria for interpreting SIDRA output is reproduced overleaf:

	LOS	AVD
Humphries Road Access	A-C	7.2
Meadows Road Access	A-C	4.3

It is apparent that:

- * the vehicle accesses on Humphries Road and Meadows Road will continue to operate satisfactorily at the peak demand times
- * the distribution of the assessed additional 130 vtph at the peak demand time in 4 directions and 2 way (ie. approach and departure) along Humphries Road and Meadows Road (ie. some 16vtph per direction) will not have any perceptible impact on the operation of intersections in the area

Criteria for Interpreting Results of SIDRA Analysis

1. Level of Service (LOS)

LOS	Traffic Signals and Roundabouts	Give Way and Stop Signs	
'A'	Good	Good	
'B'	Good with acceptable delays and spare capacity	Acceptable delays and spare capacity	
'С'	Satisfactory	Satisfactory but accident study required	
ʻD'	Operating near capacity	Near capacity and Accident Study required	
'E'	At capacity; at signals incidents will cause excessive delays. Roundabouts require other control mode	At capacity and requires other control mode	
'F'	Unsatisfactory and requires additional capacity	Unsatisfactory and requires other control mode	

2. Average Vehicle Delay (AVD)

The AVD provides a measure of the operational performance of an intersection as indicated on the table below, which relates AVD to LOS. The AVD's listed in the table should be taken as a guide only as longer delays could be tolerated in some locations (ie inner city conditions) and on some roads (ie minor side street intersecting with a major arterial route).

Level of Service	Average Delay per Vehicle (secs/veh)	Traffic Signals, Roundabouts	Give Way and Stop Signs
Α	Less than 14	Good operation	Good operation
В	15 to 28	Good with acceptable delays and spare capacity	Acceptable delays and spare capacity
С	29 to 42	Satisfactory	Satisfactory but accident study required
D	43 to 56	Operating near capacity	Near capacity and accident study required
E	57 to 70	At capacity; at signals incidents will cause excessive delays. Roundabouts require other control mode	At capacity and requires other control mode

3. Degree of Saturation (DS)

The DS is another measure of the operational performance of individual intersections.

For intersections controlled by **traffic signals**¹ both queue length and delay increase rapidly as DS approaches 1, and it is usual to attempt to keep DS to less than 0.9. Values of DS in the order of 0.7 generally represent satisfactory intersection operation. When DS exceeds 0.9 queues can be anticipated.

For intersections controlled by a **roundabout or GIVE WAY or STOP signs**, satisfactory intersection operation is indicated by a DS of 0.8 or less.

the values of DS for intersections under traffic signal control are only valid for cycle length of 120 secs

8. Access, Internal Circulation and Servicing

ACCESS

Vehicle access for the club will retain the driveway connections on Humphries Road and Meadows Road which are existing except for the modification proposed to the southern access on Meadows with the application for the new basement carpark. These access arrangements accord with AS 2890.1 and will continue to provide adequate capacity and safety for entering and exiting vehicles due to the good sight distances available.

INTERNAL CIRCULATION

The internal circulation arrangements will essentially comprise those which exist apart from the changes proposed in the foyer upgrade and new basement carpark applications though there will be some minor changes along the south western side boundary to accommodate coach/mini bus parking.

The design of the carpark and internal circulation will accord with the requirements of AS2890.1, 2 and 6 and quite generous manoeuvring provisions will be made as indicated in the assessment provided in Appendix I.

SERVICING

The modified loading dock facility in the western corner of the building will have 3 loading bays to accommodate all trucks and delivery vehicles which require to access the site. A section of the access ramp is limited to one lane, however, there will be excellent visibility and very minor vehicle movements. Signage will be provided to advise egressing drivers to GIVE WAY to ingressing vehicles.

Details of the turning path assessment for the loading facility indicating satisfactory manoeuvring are provided in Appendix I.

9. CONCLUSION

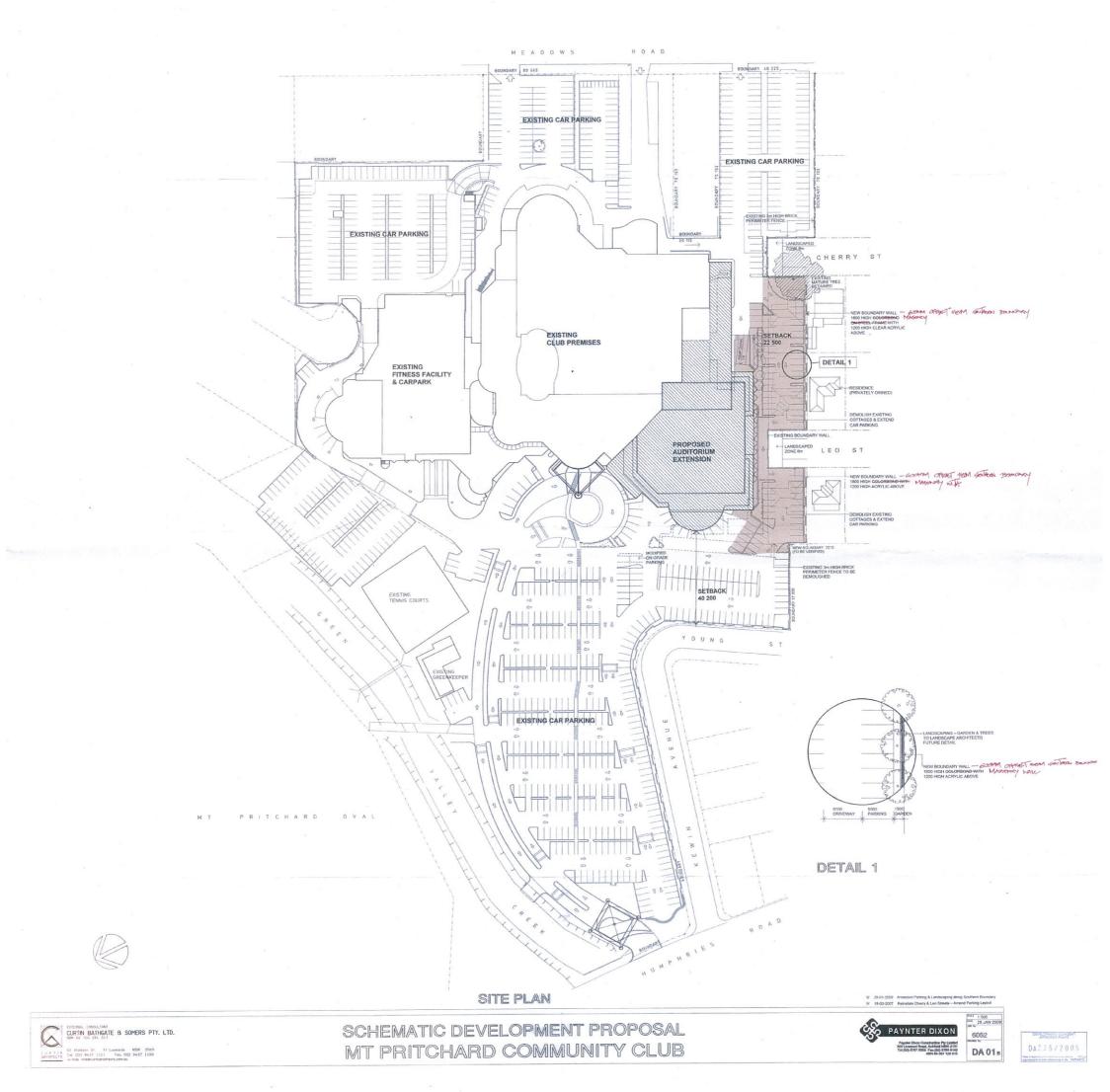
The Mount Pritchard Community Club occupies part of a large site and a Food and Function Masterplan has been prepared to meet the expectations of members and visitors. A new basement carpark and foyer upgrade are the subject of separate existing processes.

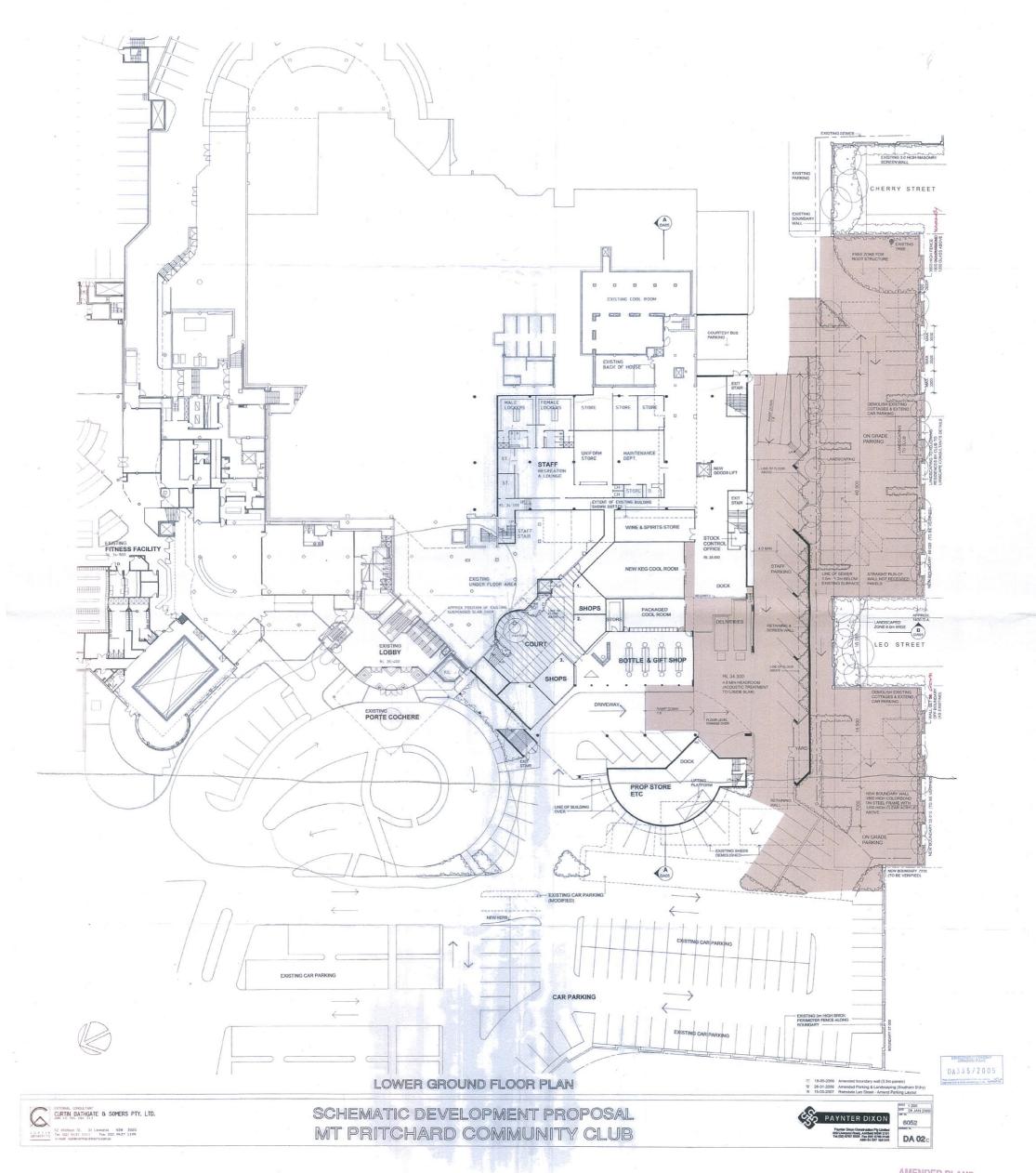
Assessment of the potential implications of the proposed Masterplan alterations and additions has concluded that:

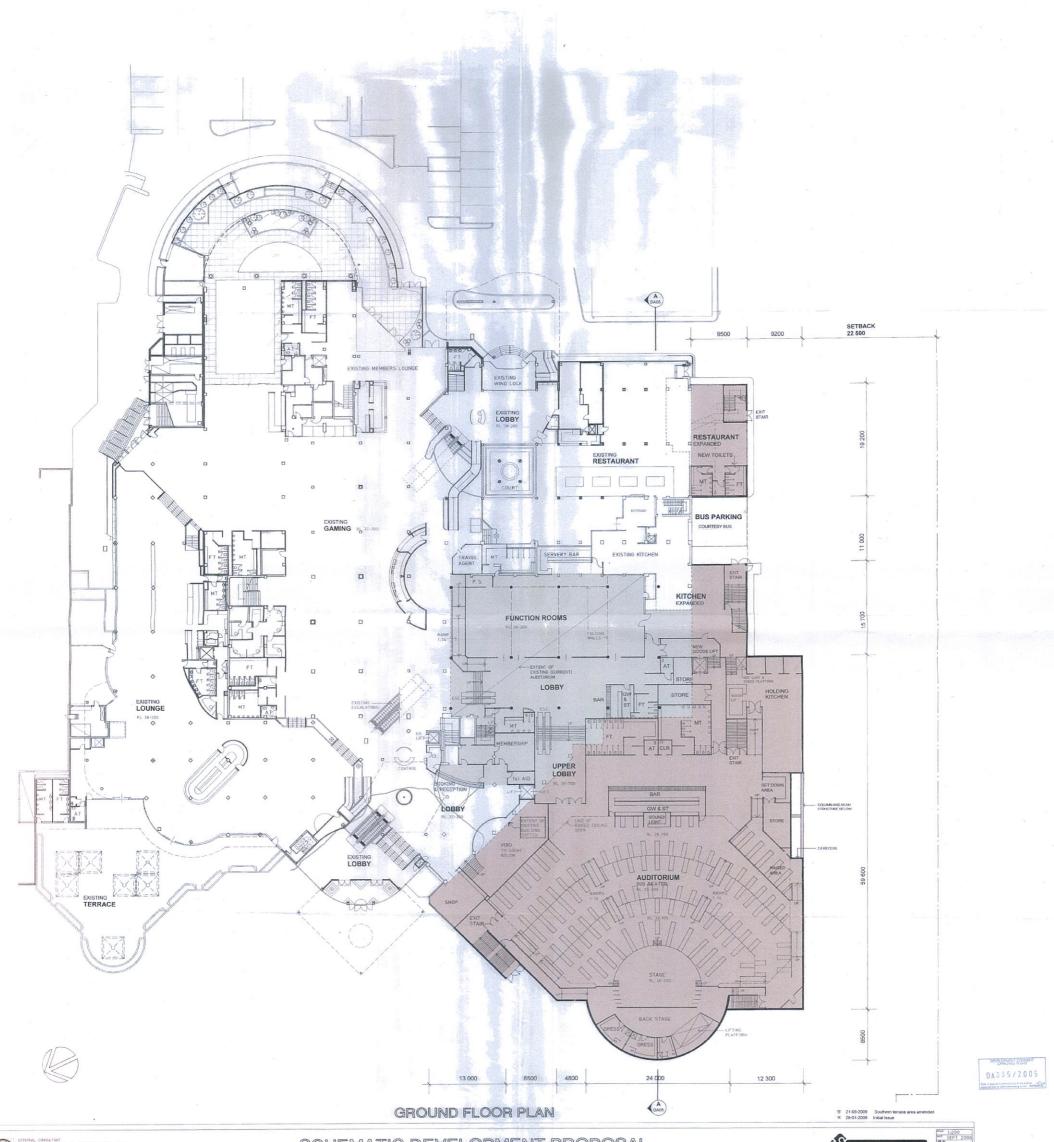
- * the proposed parking provision will be quite adequate
- * the vehicle access and internal circulation arrangements will be quite satisfactory
- * there will be no adverse traffic implications
- * the provisions for servicing will be appropriate and satisfactory

Appendix A

PLANS OF PREVIOUSLY APPROVED MASTER PLAN DA 335/2005



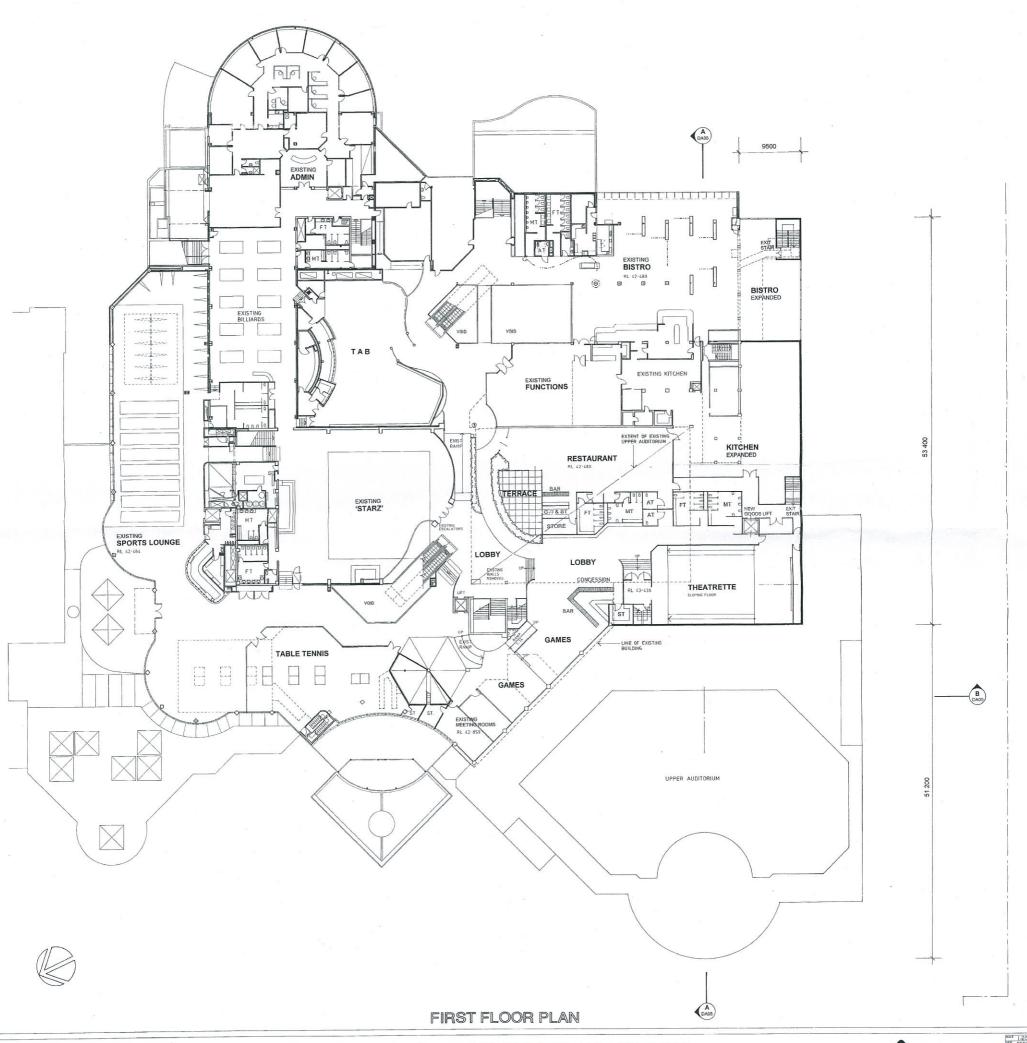




SCHEMATIC DEVELOPMENT PROPOSAL MT PRITCHARD COMMUNITY CLUB







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AGN 40 70-2 EA 313

CURTIN 52 Addisso 51. SI Leonords 105W 2005

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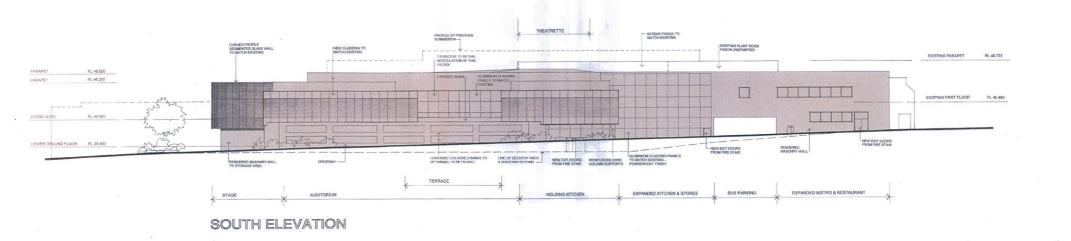
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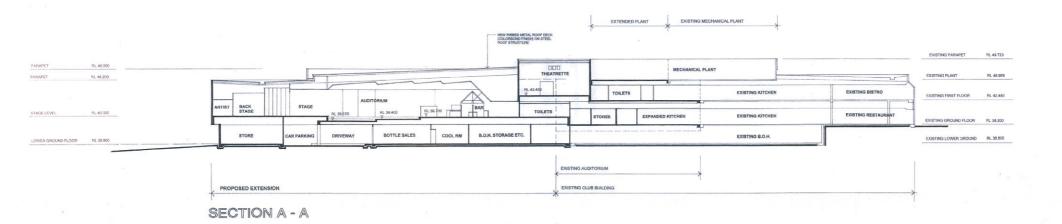
SCHEMATIC DEVELOPMENT PROPOSAL MT PRITCHARD COMMUNITY CLUB

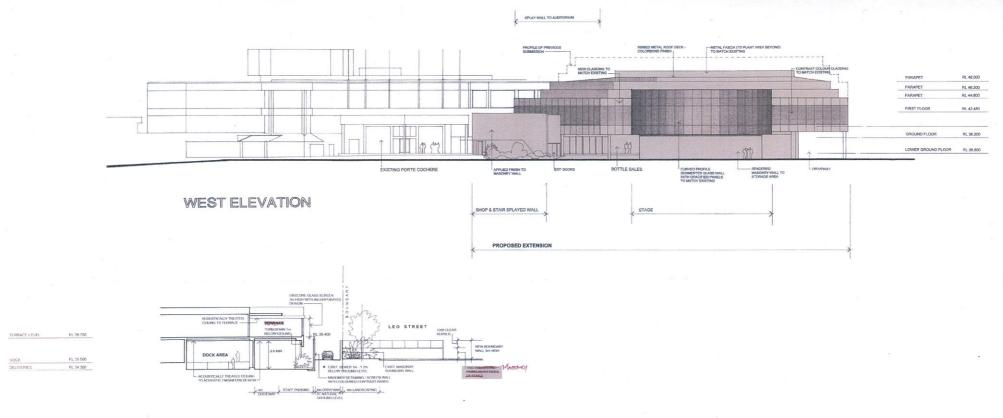












SECTION B - B

ELEVATIONS / SECTIONS

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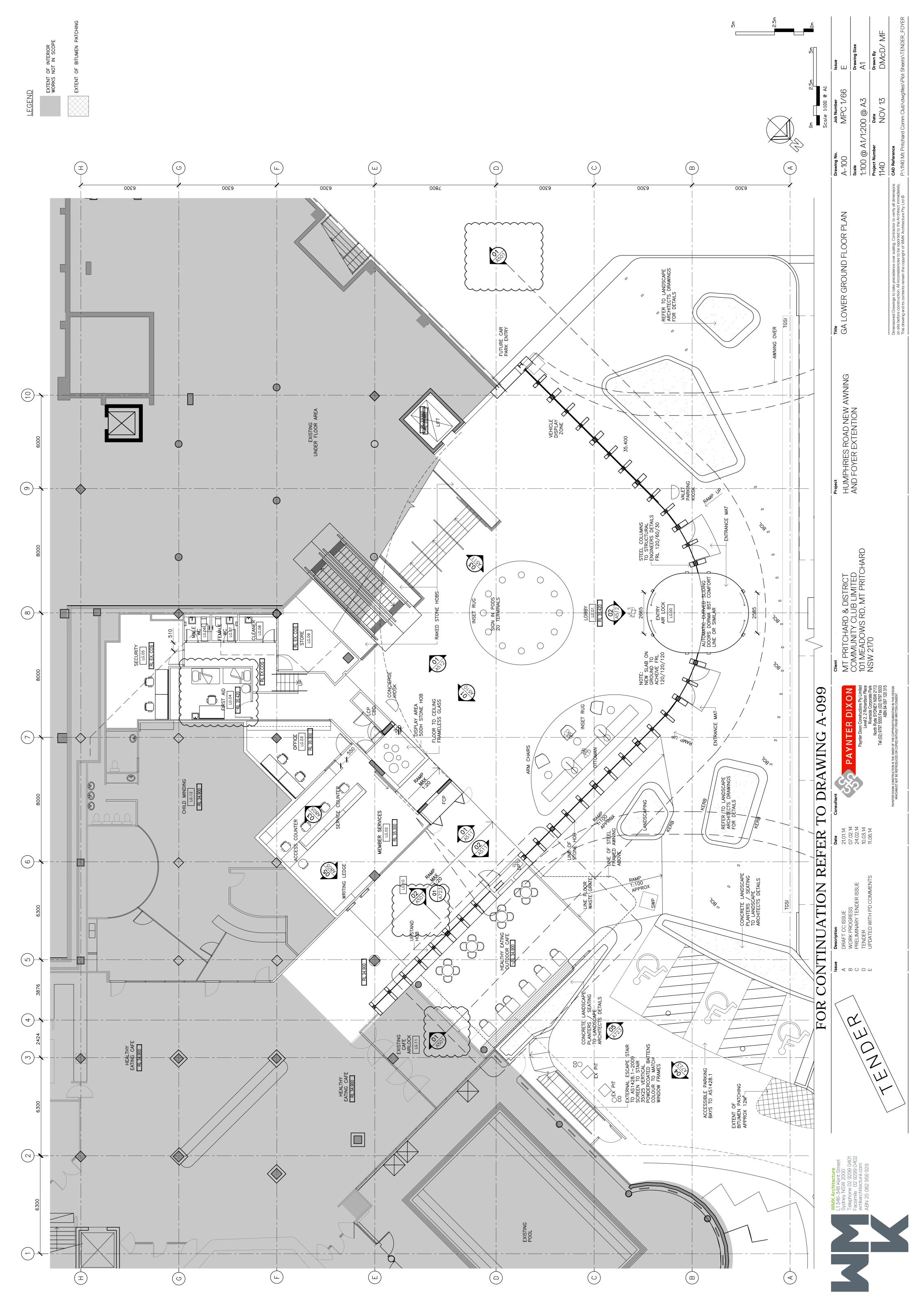
SCHEMATIC DEVELOPMENT PROPOSAL MT PRITCHARD COMMUNITY CLUB





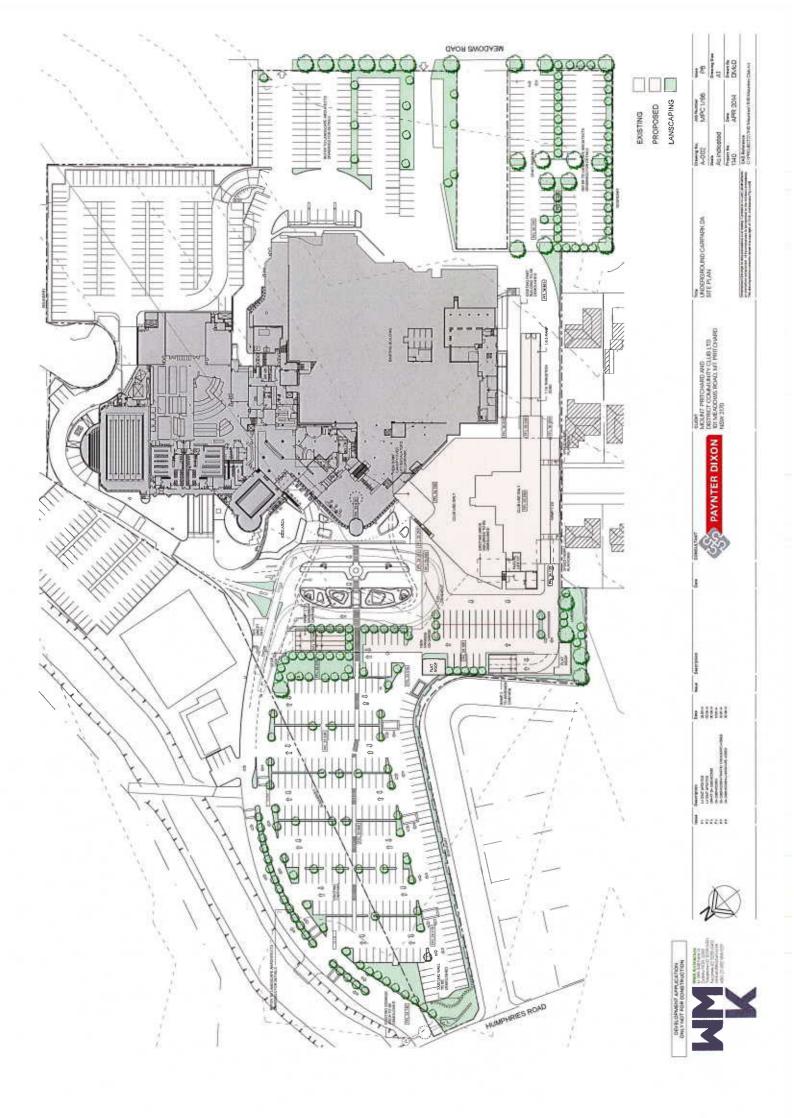
Appendix B

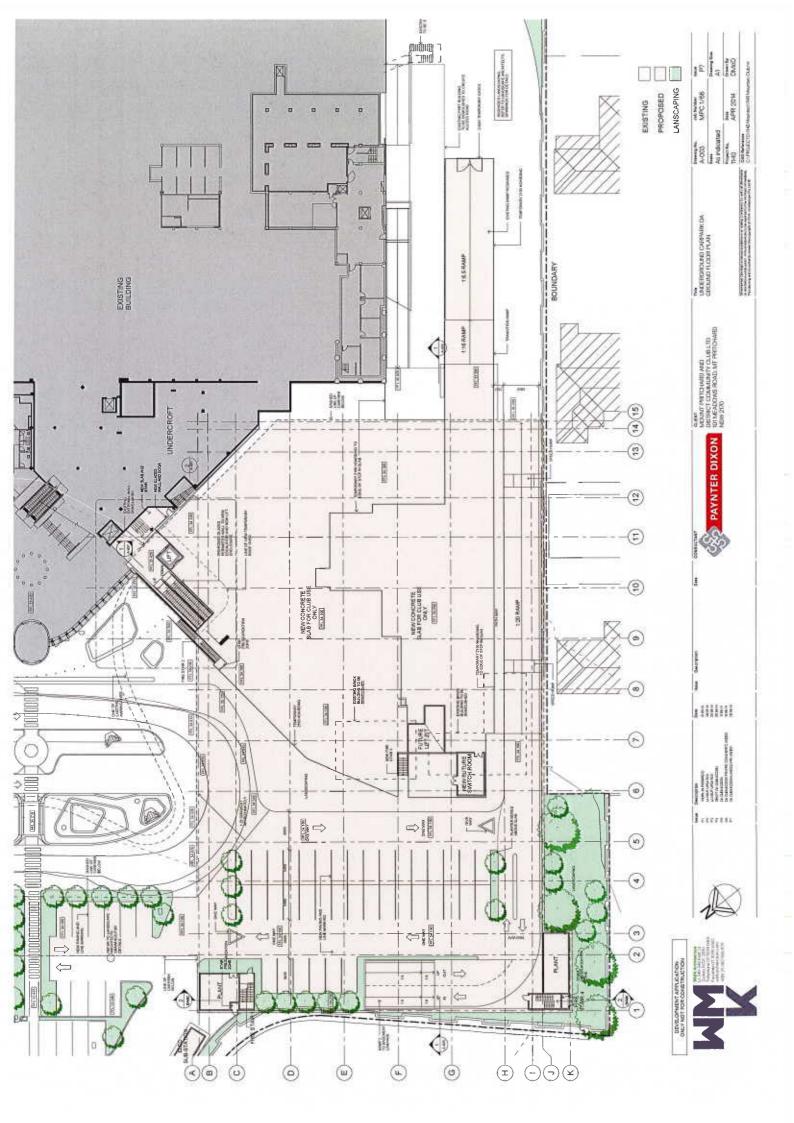
PLANS OF FOYER UPGRADE DA 607/2012

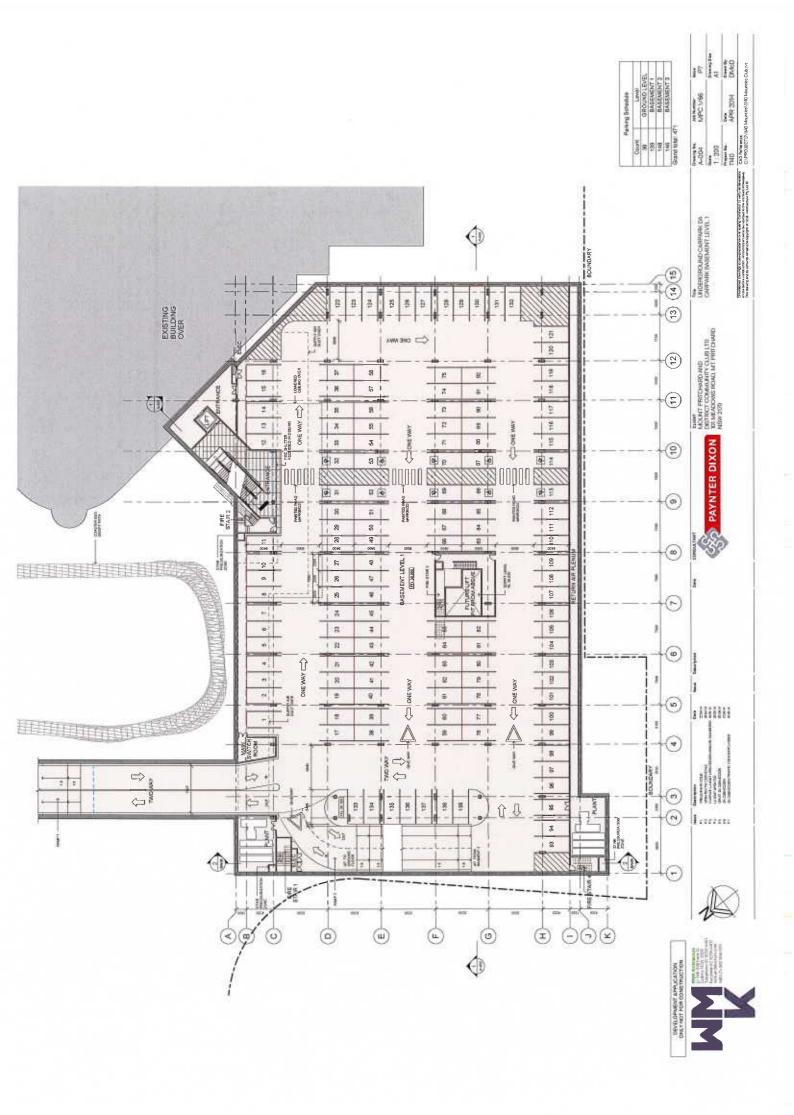


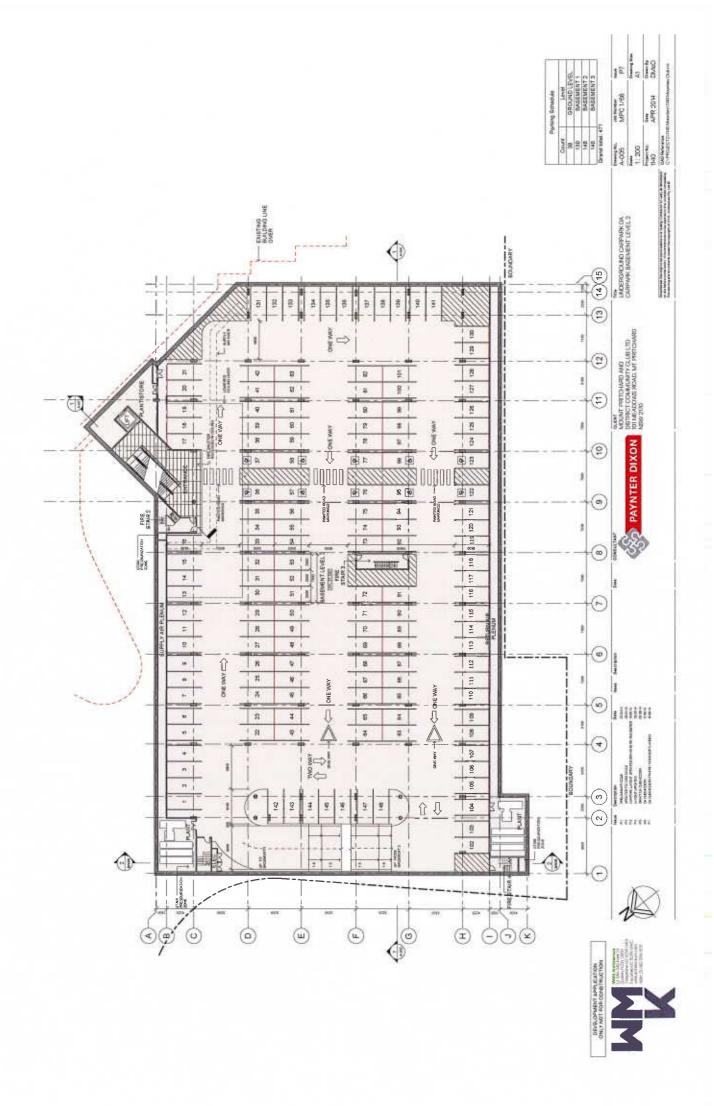
Appendix C

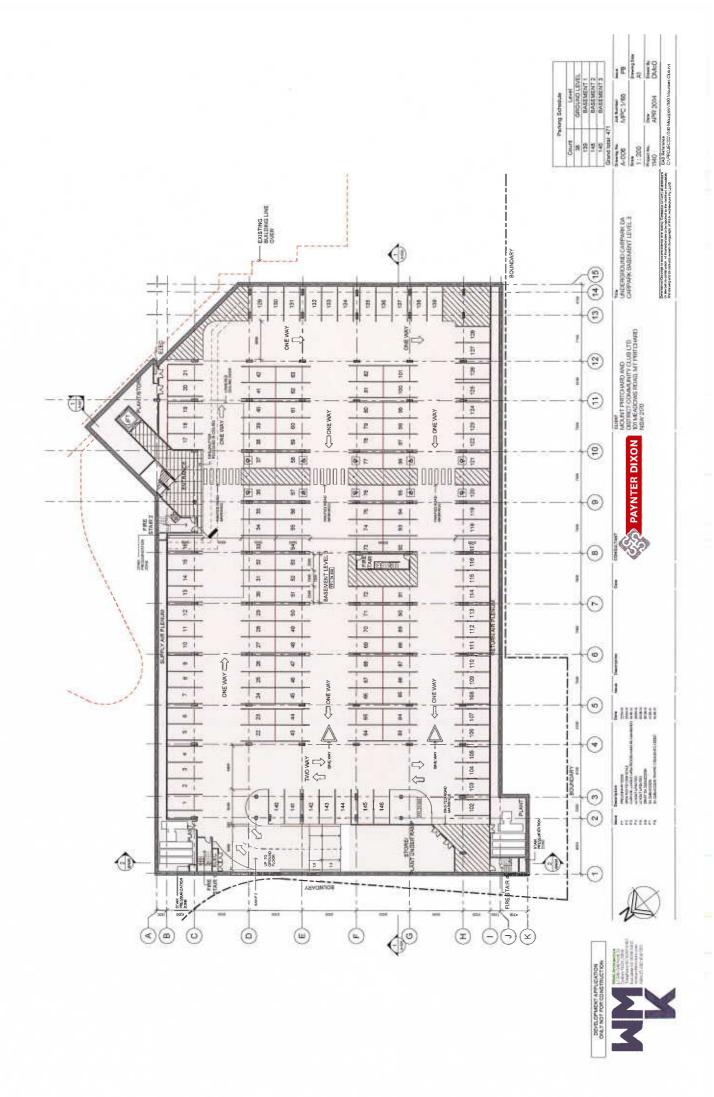
PLANS OF PROPOSED BASEMENT CARPARK DA 375/2014

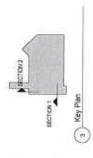


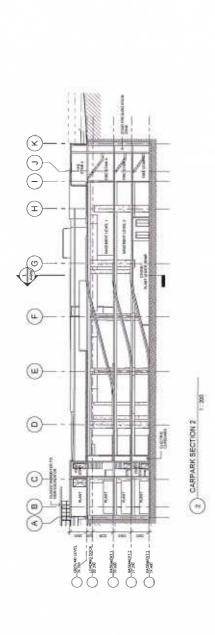


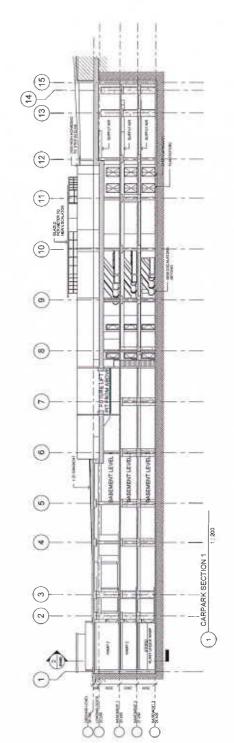














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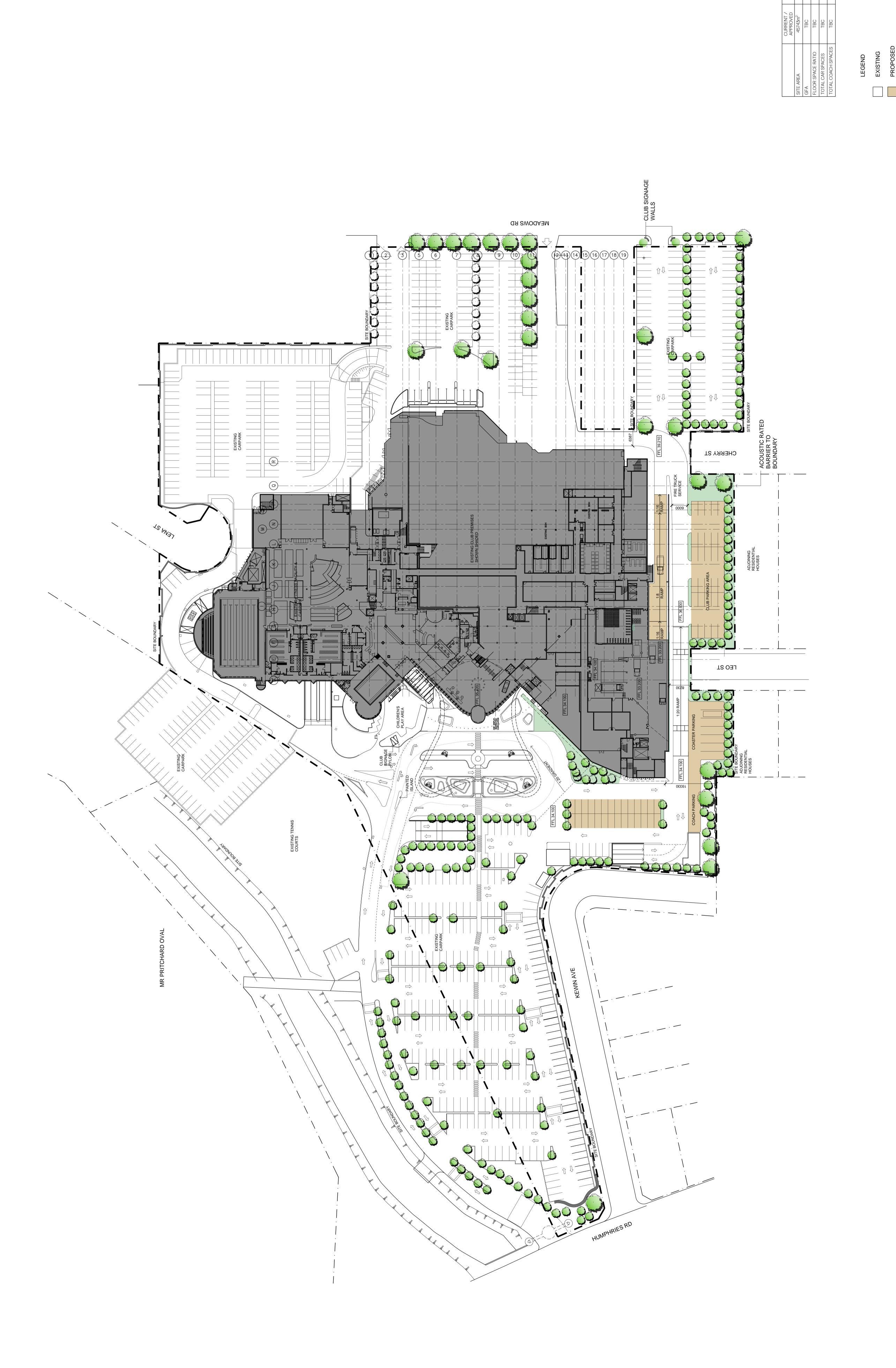
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Appendix D

PROPOSED MASTERPLAN





FOR INFORMATION

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Drawn By
DMCD

 Drawing No

 DA-050 (PREV DA-010)

 Scale

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 Project No

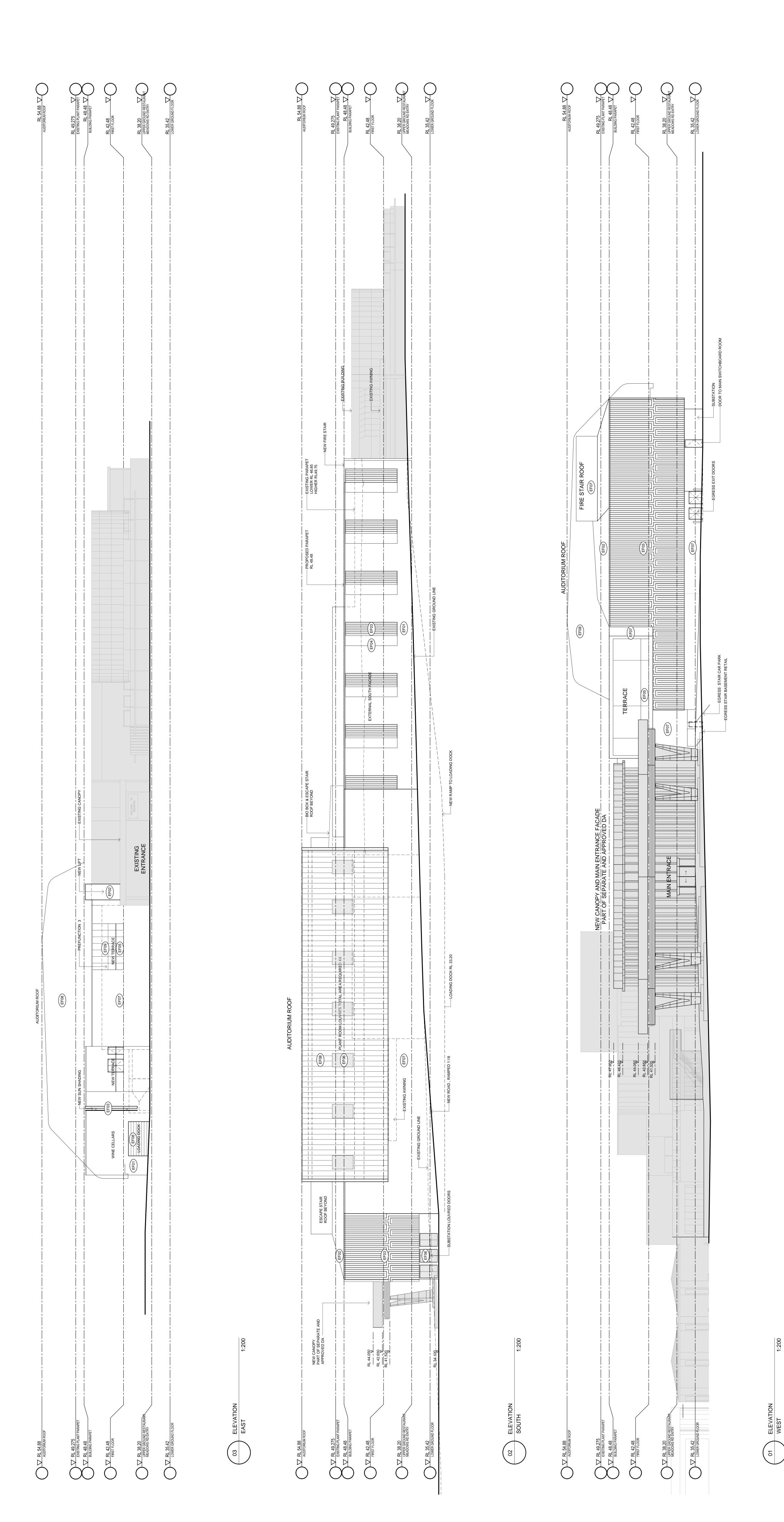
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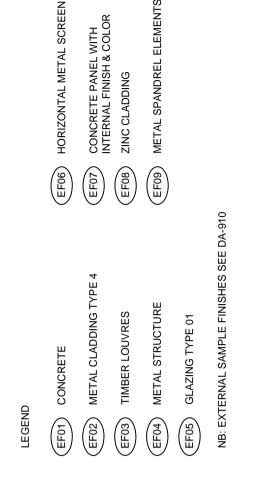
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19 P6
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INTERNAL WORK FLOOR PLANS





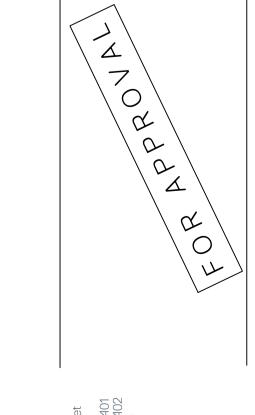
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Drawn By

ELEVATIONS EAST, SOUTH & WEST

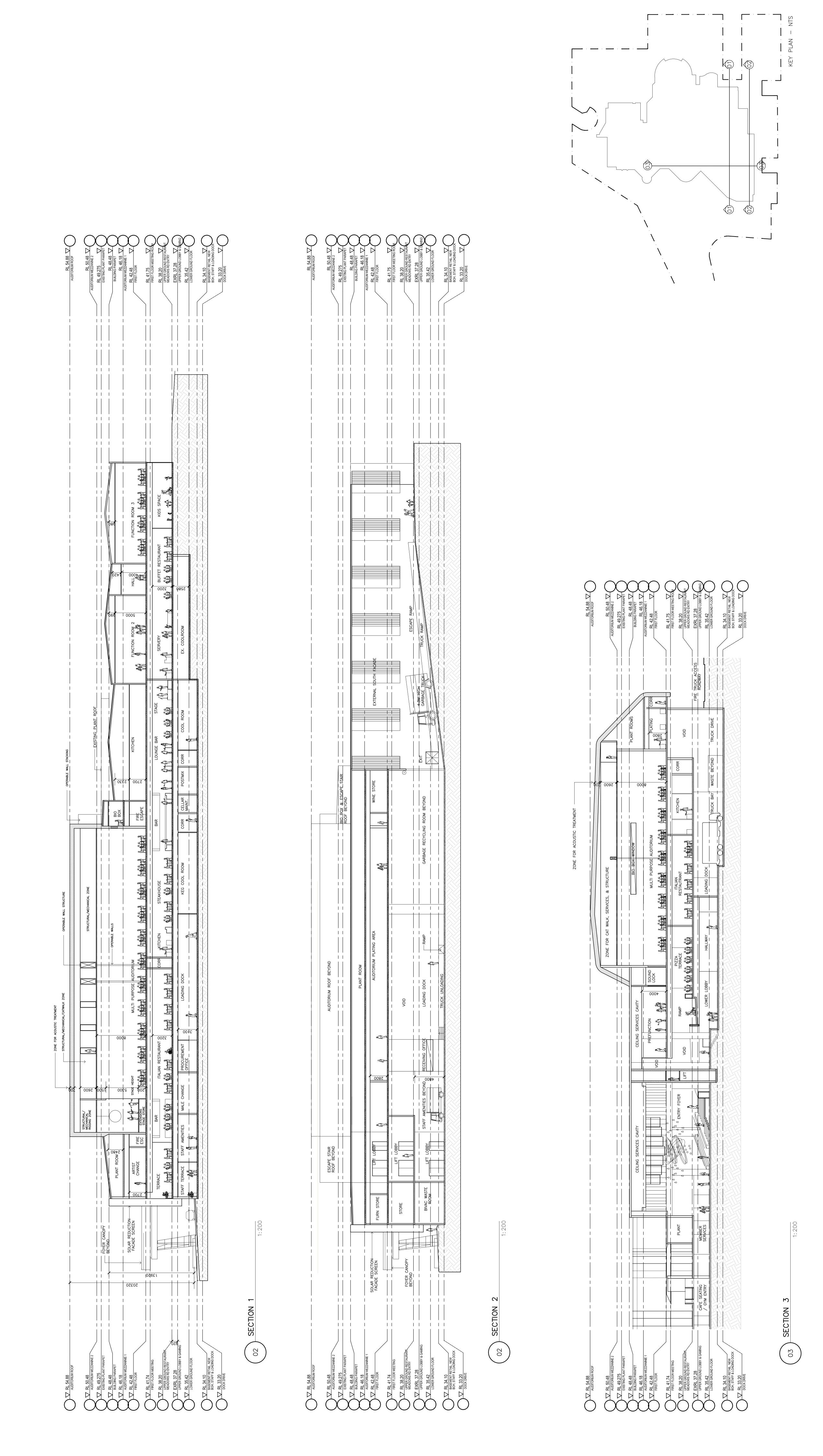
Glient
MOUNT PRITCHARD AND
COMMUNITY CLUB LTD
101 MEADOWS RD, MOUNT PRITCHARD
NSW 2170

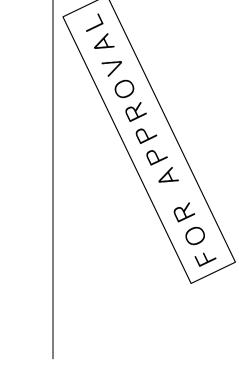
SS PAYNTER DIXON

IssueP1
P2









Issue P4 Drawii A0 Drawii DB

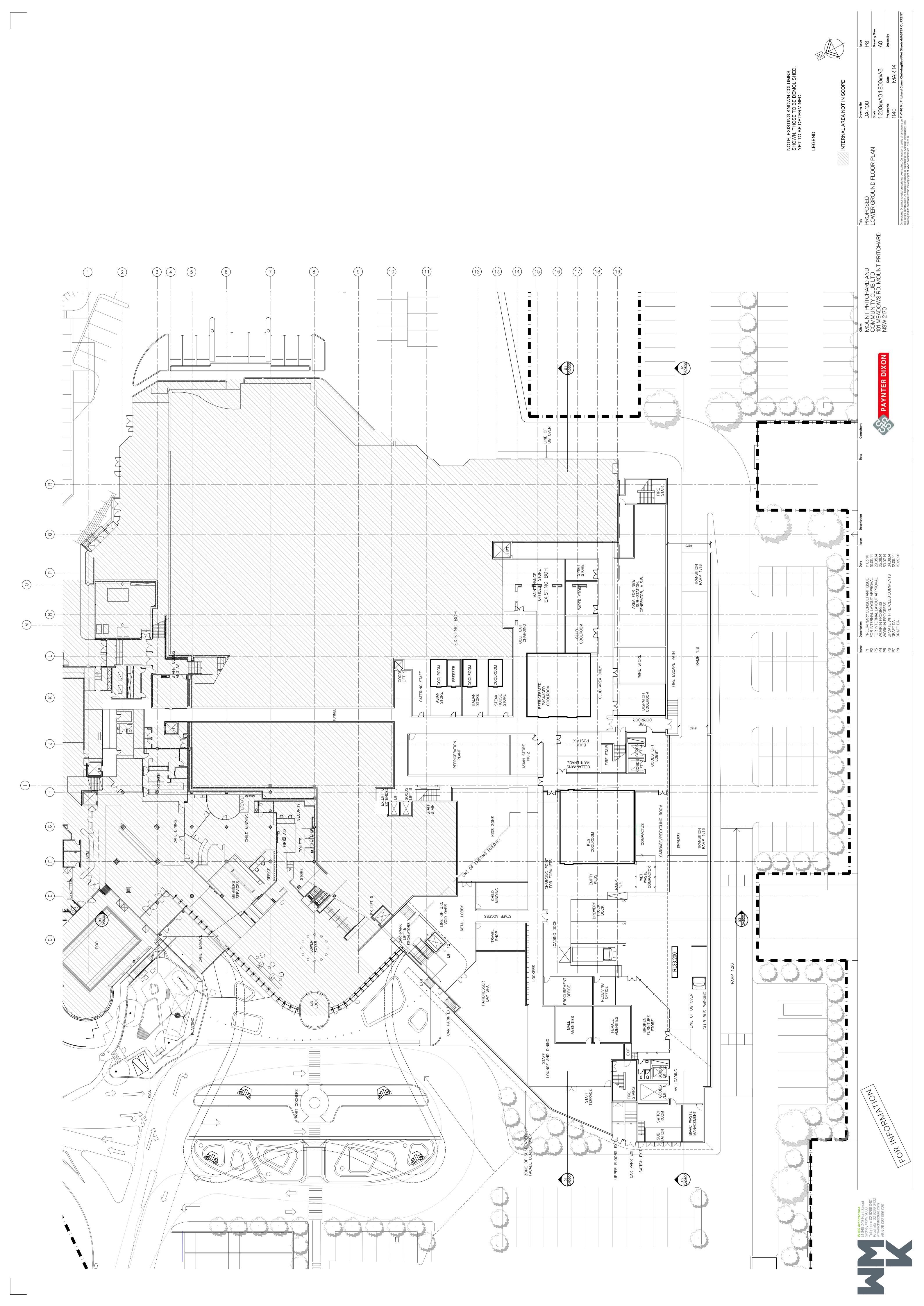
Title
PROPOSED
SECTIONS

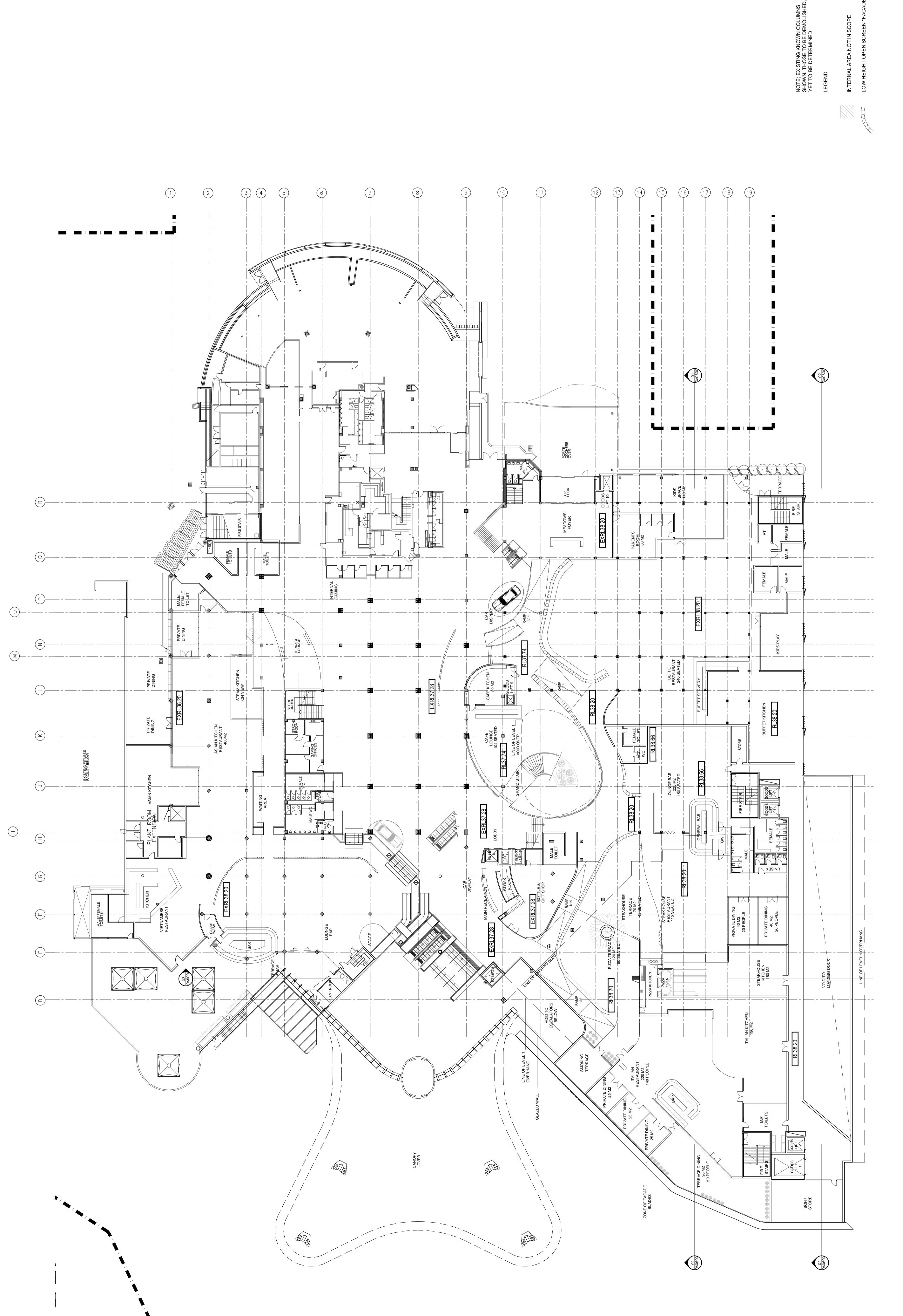
Client
MOUNT PRITCHARD AND
COMMUNITY CLUB LTD
101 MEADOWS RD, MOUNT P
NSW 2170

Con PAYNTER DIXON

Dimensioned Drawings to take precedence over scaling. Contractor to verify all dimensic site before construction. All inconsistencies to be reported to the Architect immediately, drawing and its contents remain the copyright of WMK Architecture Pty Ltd ®









FOR INFORMATION

Issue
P12
Drawing Size
A0
Drawn By

Drawing No
DA-101
Scale
1:200
Project No
1140

PROPOSED UPPER GROUND FLOOR PLAN

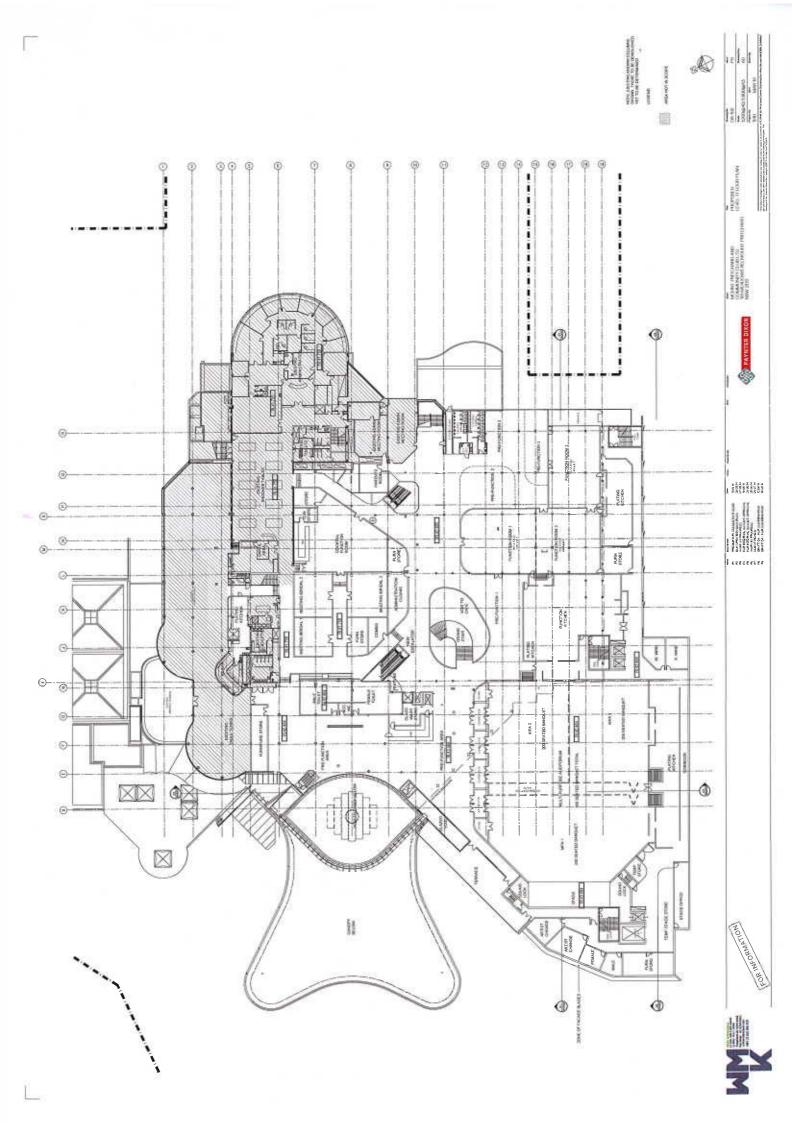
COMMUNITY CLUB LTD
101 MEADOWS RD, MOUNT PRITCHARD
NSW 2170

Date

08.11.12
20.03.14
07.05.14
19.05.14
29.05.14
25.06.14
30.07.14
29.08.14
01.09.14

Issue | Issue

Date
MAR 14



Appendix E

TRAFFIC SURVEY RESULTS

Reliable, Original & Authentic Results K.C.K.R. DAIA

Ph.9415-3971, Fax 9403-5338, Mob.0418-239019

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All Vehicles	The state of the s	Time Per	1600 - 1615	1615-1630	1630 - 1645	1645 - 1700	1700 - 1715	1715 - 1730	1730 - 1745	1745 - 1800	1800-1815	1815-1830	1830 - 1845	1845 - 1900	1900 - 1915	1915 - 1930	1930 - 1945	1945 - 2000	2000 - 2015	2015 - 2030	2030 - 2045	2045-2100	Period End
		TOT	565	430	465	503	496	546	583	561	497	501	458	503	410	425	366	297	262	267	252	243	8636
	Rd	R	19	16	50	23	19	23	92	28	20	15	20	23	13	6	7	7	10	11	9	6	322
EAST	Cabramatta Rd	I	150	101	143	130	119	176	184	179.	131	149	110	111.	94	82	79	73	20	29	20	48	2246
	Cabr	-	9	10	6	7	4	12	6	19	11	10	7	11	10	7	4	6	4	8	00	1	166
Ţ	s Rd	B	13	15	16	13	21	H	13	16	1 5	13.	19	23	19	25	12	6	12	6	3	17	294
SOUTH	Humphries Rd	4	61	45	50	43	46	40	48	62	92	238	36	82	49	638	48	6	30	36	27	40	1005
	Hun	4	21	15	Ω.	14	18	16	5	12	=	13	90	13	12	18	Ţ	4	1	5	**	11	234
	a Rd	B	12	ф	ဆ	ঠ	7	00	C4	乊	œ,	တ	ထ	7	5	44	*	-	2	2	3	2	147
WEST	Cabramatta	H	72	46	40	35	48	45	52	8	9	46	42	44	36	14	38	22	19	25	31	25	8441
	Cabi	Ŀ	21	11	16	27	23	24	50	19	22	21	23	22	16	16	12	18	13	11	16	12	373
	Rd	ŀ	14	-	4	1	80	7	14	æ	7	S	4	ω	က	മ	4	4	CD:	9	ო	2	132
NORTH	Humphries Rd	F	100	80	81	87	81	88	111	86	74	96	86	91	8	83	77	55	51	45	42	33	1632
-	Hum	R	92	99	73	84	103	98	26	74	62	72	75	74	69	63	70	45	55	42	36	41	1374
	All Vehicles	Time Per	1600 - 1615	1615 - 1630	1630 - 1645	1645 - 1700	1700 - 1715	1715 - 1730	1730 - 1745	1745 - 1800	1800 - 1815	1815 - 1830	1830 - 1845	1845 - 1900	1900 - 1915	1915 - 1930	1930 - 1945	1945 - 2000	2000 - 2015	2015-2030	2030 - 2045	2045 - 2100	Period End

œ

Cabramatta Rd

Meadows Rd SOUTH

Cabramatta Rd

Meadows Rd NORTH

:Mt. Prichard Community Club

ocation

Friday 22nd August 13

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42 | 1336 | 140 | 152

5 1939 195

NORTH WEST SC	WEST	WEST	WEST			30	20	ŭ	SOUTH			EAST		
Meadows Rd Cabramatta Rd Mea	Cabramatta Rd	Cabramatta Rd	Cabramatta Rd				Mea	16	Meadows Rd	Rď	Cab	Cabramatta Rd	a Rd	
Peak Time R I L L I R L	III TITI	17 8 I I 1 1 1 I I I	17 8 1 1 1 1 1 1 1	1 1 8 I 1	1 8 I	7 8	-	S	T	8	4	I	B	101
1600 - 1700 1 485 47 5 236 29 47	47 5 236 29	47 5 236 29	5 236 29	236 29	53	H	47		197	266	272	909	83	2284
1615-1715 1 531 44 5 261 28 44	44 5 261 28	44 5 261 28	5 261 28	261 28	28	-	44		208	288	326	623	112	2471
1630 - 1730 3 563 45 6 280 29 45	563 45 6 280 29	45 6 280 29	6 280 29	280 29	29	-	45	_	223	317	340	099	122	2633
1645 - 1745 3 548 47 13 290 41 41	548 47 13 290 41	47 13 290 41	13 290 41	290 41	41	-	41	_	223	306	393	704	135	2744
1700 - 1800 3 553 46 12 290 44 35	553 46 12 290 44	46 12 290 44	12 290 44	290 44	44		35	_	210	294	375	743	127	2732
1715-1815 3 540 49 12 300 53 40	540 49 12 300 53	49 12 300 53	12 300 53	300 53	53	-	40		220	332	381	731	114	2775
1730 - 1830 1 499 44 15 283 51 40	44 15 283 51	44 15 283 51	15 283 51	283 51	51	H	9		216	326	401	730	112	2718
1745-1845 0 466 43 11 307 46 34	466 43 11 307 46	43 11 307 46	11 307 46	46	46	H	34		215	336	347	629	101	2565
1800 - 1900 0 418 46 10 306 42 31	418 46 10 306 42	46 10 306 42	10 306 42	306 42	42	_	31	133	205	337	348	615	102	2460
[1815-1915] 0 361 43 9 313 28 21	361 43 9 313 28	43 9 313 28	9 313 28	313 28	28		21		191	300	300	552	102	2220
[1830 - 1930] 0 355 53 6 352 27 22	355 53 6 352 27	53 6 352 27	6 352 27	352 27	27	-	22		211	293	292	470	98	2179
1845-1945 0 322 46 4 315 21 23	322 46 4 315 21	46 4 315 21	4 315 21	315 21	21	-	23		202	273	265	402	89	1962
1900 - 2000 0 301 40 7 298 16 21	301 40 7 298 16	40 7 298 16	7 298 16	298 16	16	-	21		214	250	240	367	68	1843
1915-2019 0 263 34 8 268 17 23	263 34 8 268 17	34 8 268 17	8 268 17	268 17	17	-	23	7	219	242	228	317	82	1701
1930 - 2030 1 200 24 8 237 11 17	24 8 237 11	24 8 237 11	8 237 11	237	11	-	17		191	216	186	329	75	1495
1945-2045 1 204 21 8 219 8 17	21 8 219 8	21 8 219 8	8 219 8	219 8	æ	H	17		170	192	219	345	73	1477
2000-2100 1 246 24 11 258 11 21	24 11 258 11	24 11 258 11	11 258 11	258	11	-	21		207	226	263	387	68	1744

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1915 - 2019

1900 - 2000

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1830 - 1930

1845 - 1945

1745 - 1845

1800 - 1900

1815 - 1915

1730 - 1830

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1700 - 1800 1715-1815

1615-1715

Peak Time

Cabramatta Rd

Humphries Rd

Cabramatta Rd

Humphries Rd

2	
1321	2187
43	16
308	670
30	51
90	55
10 37 173	226
37	64
9	22 49
122	211
70	88
24	38
232	360
222	325
2000 - 2100	EAK HOUR
2	6

EAK HOUN 3 | 540 | 49 | 12 | 300 | 53 | 40 | 220 | 332 | 381 | 731 | 114 | 2775

Cabramatta Rd 731 Cabramatta Rd 2856 332 4530 Meadows Rd Meadows Rd Meadows Rd Intersection details 40 | | 592 346 1494 2457 Day/Date : Friday 22nd August 13 1518 Cabramatta Rd 300 ₹-2775 PEAK HOUR 1715 - 1815 365 Cabramatta Rd *FOTAL VOLUMES* FOR COUNT PERIODS PEAK HOUR 1717 - 1815 Cabramatta Rd 302 0/9 16-Cabramatta Rd Ph.9415-3971, Fax.9403-5338, Mob.0418-239019 433 55 **Humphries Rd** Humphries Rd 1267 ₹ 2734 330 408 **Humphries Rd** 3038 1815 211 Intersection details 85 Cabramatta Rd 1331 318 1044 ₹ 3854 Cabramatta Rd

Location :Mt. Prichard Community Club

Reliable, Original & Authentic Results

R.O.A.R. DATA

R.O.A.R DATA

Reliable, Original & Authentic Results Ph.9415, 3971, Fax 9403, 5338, Mob., 0418, 239019

Location :Mt. Prichard Community Club Day/Date :Friday 22nd August 13

Elizabeth Dr		1	MARIN	EASI	10	
${\mathbb H}$	1,4	Humph	Yumphries Rd	Elizabeth Dr	th Dr	
		88	-	Ĭ	œ	TOTAL
	837	142	282	1.137	0	2584
8,	823	135	240	1072	0	2495
37	785	115	239	266	O	2336
74	743	112	239	959	0	2252
73	738	129	234	912	0	2191
7.	754	146	273	946	0	2284
7.5	794	163	273	995	0	2409
83	830	172	253	987	0	2439
88	849	178	240	965	0	2426
76	761	170	194	873	a	2192
770	705	168	162	761	0	2016
627	12	174	143	700	0	1850
49	498	149	116	593	0	1553
47	472	129	108	257	0	1462
407	37	88	68	497	٠	1270
37	375	71	84	447	-	150
36	366	28	73	438	-	1108

		Į.	985	929	835	852	888	954	1036	1066	1003	606	899	781	704	999	579	463	532	385	374	362	15204
	Dr	B	9	88	41	52	76	49	61	£	26	45	73	47	22	51	59	55	£3	31	27	24	1023
EAST	Elizabeth Dr	Ŧ	238	228	236	187	226	229	218	298	233	199	188	165	134	110	142	93	126	97	93	91	3531
	Eliz	-	15	28	15	17	<u>در</u> و	15	15	21	20	16	ස	ō.	16	7	7	đ	14	ιΩ	ø	2	262
	Rd	R	2	0	-	0	0	W	0	Ţ.	0	Ę.	0	0	o	0	0	o	0	-	-		10
SOUTH	Meadows Rd	I	145	137	133	139	159	132	152	170	149	171	153	147	130	110	100	83	107	68	59	70	2514
U.J	Me	7	19	30	11	7	18	18	21	23	17	5	23	20	12	6	14	4	10	6	4	9	286
	Dr	B	43	48	58	47	61	54	Ιά	73	41	88	37	38	32	12	6	6	8	4	13	7	114
WEST	Elizabeth	I	221	159	140	190	200	210	219	199	220	202	185	165	113	103	120	90	85	80	90	58	3019
	Ella	7	7	7	9.	8	1	5	8	7	5	5	14	ω	o,	9	1	ო	φ	60	4	3	125
	Rd	B	7	6	4	9	12	10	15	6	P-7	က	12	o i	ထ	10	t	ო	7	9	ıΩ	4	145
NOKIN	Meadows Rd	ī	184	181	160	160	178	189	221	174	213	155	162	139	148	120	96	87	101	- 09	83	82	2880
	Me	7	44	44	21	39	44	41	49	36	39	41	44	34	45	30	31	27	30	20	19	14	559
	All Vehicles	Time Per	1600 - 1615	1615 - 1630	1630 - 1645	1645 - 1700	1700 - 1715	1715 - 1730	1730 - 1745	1745 - 1800	1800 1815	1815 - 1830	1830 - 1845	1845 - 1900	1900 - 1915	1915 - 1930	1930 - 1945	1945 - 2000	2000 - 2015	2015 - 2030	2030 - 2045	2045 - 2100	Period End

	-	NORTH			WEST			SOUTH			EAST		
	Mez	Meadows Rd	Rd	EIR	Elizabeth Dr	Dr	Mez	Meadows Rd	Rd	EII	Elizabeth Dr	ă	
Peak Time	7	I	8	4	T	B	4	I	B	-	H	B	TOL
1600 - 1700	148	685	26	31	710	196	73	554	3	75	688	211	3601
1615-1715	148	629	31	25	689	214	72	568	-	73	877	227	3604
1630 - 1730	145	.289	32	23	740	220	09	563	63	09	878	218	3629
1645 - 1745	173	748	43	22	819	219	64	585	2	90	860	238	3830
1700 - 1800	173	759	46	21	828	245	80	613	m	64	971	241	4044
1715-1815	168	794	41	25	848	225	79	603	3	7.1	878	224	4059
1730 - 1830	168	760	34	25	840	237	99	642	2	72	948	220	4014
1745 - 1845	163	701	31	31	806	217	68	643	2	99	918	232	3877
1800 - 1900	158	699	31	32	772	182	65	620	-	53	785	224	3592
1815 - 1915	164	604	32	36	665	173	09	601	-	49	686	222	3293
1830 - 1930	153	696	39	37	999	119	25	540	0	40	269	228	2952
1845 - 1945	140	493	31	30	501	91	52	487	o	39	551	214	2632
1900 - 2000	133	441	25	25	426	62	39	423	0	39	479	222	2314
1915 - 2015	118	394	19	22	398:	38	37	400	0	37	471	208	2142
1930 - 2030	108	334	15	13	375	30	37	358		36	458	188	1959
1945 - 2045	96	331	16	16	315	34	22	317	2	35	409	156	1754
2000 - 2100	83	328	17	16	283	20	96	304		-	407	496	1663

PEAK HOUR 168 | 794 | 41 | 25 | 848 | 225 | 79 | 603 | 3 | 71 | 978 | 224 | 4059

PEAK HR | 197 | 830 | 172 | 253 | 987

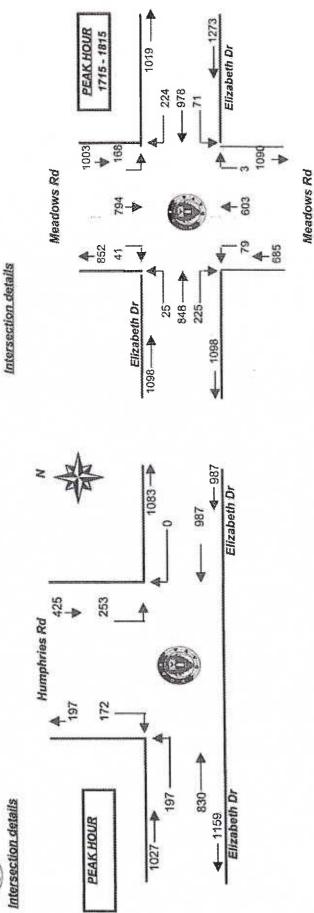
R.O.A.R DATA

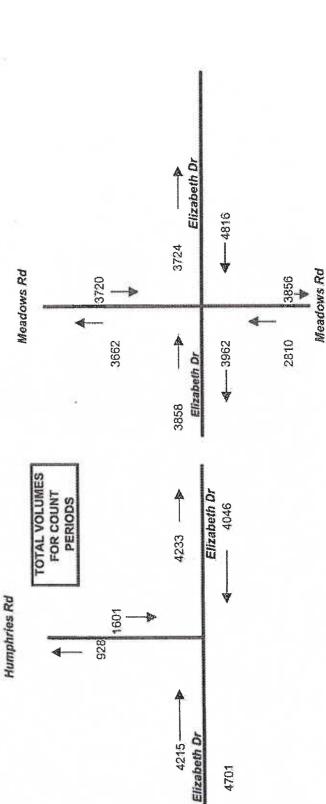
Reliable, Original & Authentic Results Ph.9415 3971, Fax 9403 5338, Mob. 0418 239019

Location :Mt. Prichard Community Club

Day/Date :Friday 22nd August 13

Intersection details

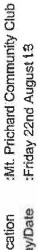




Humphries Rd Humphries Rd Humphries Rd 69 4-T 0-Intersection details **Humphries Rd** 48 18 TOTAL VOLUMES FOR COUNT PERIODS 824 Mounties Ph.9415-3971, Fax 9403-5338, Mob.0418-239019 PEAK HOUR 1800 - 1900 Reliable, Original & Authentic Results Mounties **Humphries Rd** 12 - 680 R.O.A.R. DATA Intersection details 167 167 60-Humphries Ro **Humphries Rd Humphries** Ro 28. 259 591 233 421 **4-**5 0-▶

Kewin Ave

Day/Date Location



PEAK HOUR 0800 - 1900

\$ **4**− ₹

Kewin Ave



Appendix F

DETAILS OF BUS SERVICES





mounties | mounties bowling club | harbord diggers | manly bowling club | club italia | mekong | triglav

Home

About Mounties

Club Grants

Courtesy Bus

Contact Us

Competitions

Dining & Drinks

Employment

Entertainment

Flamez Hair Design

Functions & Events

Futsal

Gift Shop

Holiday Resorts

Membership & Club Rewards

Mounties Group Clubs

M1 Health & Fitness

Mounties Group Publications

Promotions

Sports Focus Physiotherapy

Sports & Sub Clubs



courtesy bus







"Hi, I'm Alex, one of Mounties Group' friendly courtesy bus

"Let me and our drivers at Mounties make getting you to Mounties, Fairfield Bowling Club, Club Italia, Mekong and Triglav easier with our free courtesy bus services.

You'll save money on petrol and we'll get you there safely. Just flag a Mounties bus down at one of our set routes, or ring ahead and book our free door to door service."

Mounties Free Door to Door Service

Call 1300 660 255

Sunday to Wednesday 9am - midnight Thursday 9am - 1am Friday to Saturday 9am - 2am

The door to door service is available for members (and their guests if travelling with a member) that live within a 6km radius of Mounties.

Mounties Bowling Club Free Door to Door Service Call 9726 9692

The door to door service is available for members (and their guests if travelling with a member) that live within a 5km radius of Mounties Bowling Club.

Set Route Timetable

Mounties / Mounties Bowling club

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
3.30pm	3.30pm	1.30pm 3.30pm 5.30pm	3.30pm	3.30pm		11.30am 1.30pm
				7 . 30pm	5 . 30pm	3.30pm 5.30pm

Cabramatta West Service

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
2pm	2pm	2pm	2pm	2pm	2pm	2pm
3pm	3pm	3pm	3pm	3pm	3pm	3pm
4pm	4pm	4pm	4pm	4pm	4pm	4pm
5pm	5pm	5pm	5pm	5pm	5pm	5pm
6pm	6pm	6pm	6pm	6pm	6pm	6pm
7pm	7pm	7pm	7pm	7pm	7pm	7pm

Route taken: Meadows, Anderson, Hemphill, Anderson, David, Oliphant, Townview, Cabramatta, Bauier, Abercrombie John Harrington Moonshine Meadows and return to Mounties

Miller Service

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
2.30pm	2.30pm	2.30pm	2.30pm	2.30pm	2.30pm	2 . 30pm
3.30pm						
4.30pm						
5.30pm						
6.30pm						
7.30pm						

Route taken: Meadows, South Liverpool, Matthews, St John's, Orchard, Rundle, Banks, Cartwright, Maxwell, Sinclair, Sutton, Strickland, Insignia, Bobin, Heckenberg, South Liverpool, Meadows and return to Mounties.

Bus Shuttle Service Mounties - Harbord Diggers

Visiting any Mounties Group Club is easy! A shuttle service operates on the first Saturday of each month and is available for members only. For just \$5, you can travel from Mounties to Harbord Diggers and visa-versa.

Seats are limited, bookings are essential and can be made at Member Services at Mounties or Harbord Diggers.

Please note that payment is required at time of booking.

THINK ABOUT YOUR CHOICES

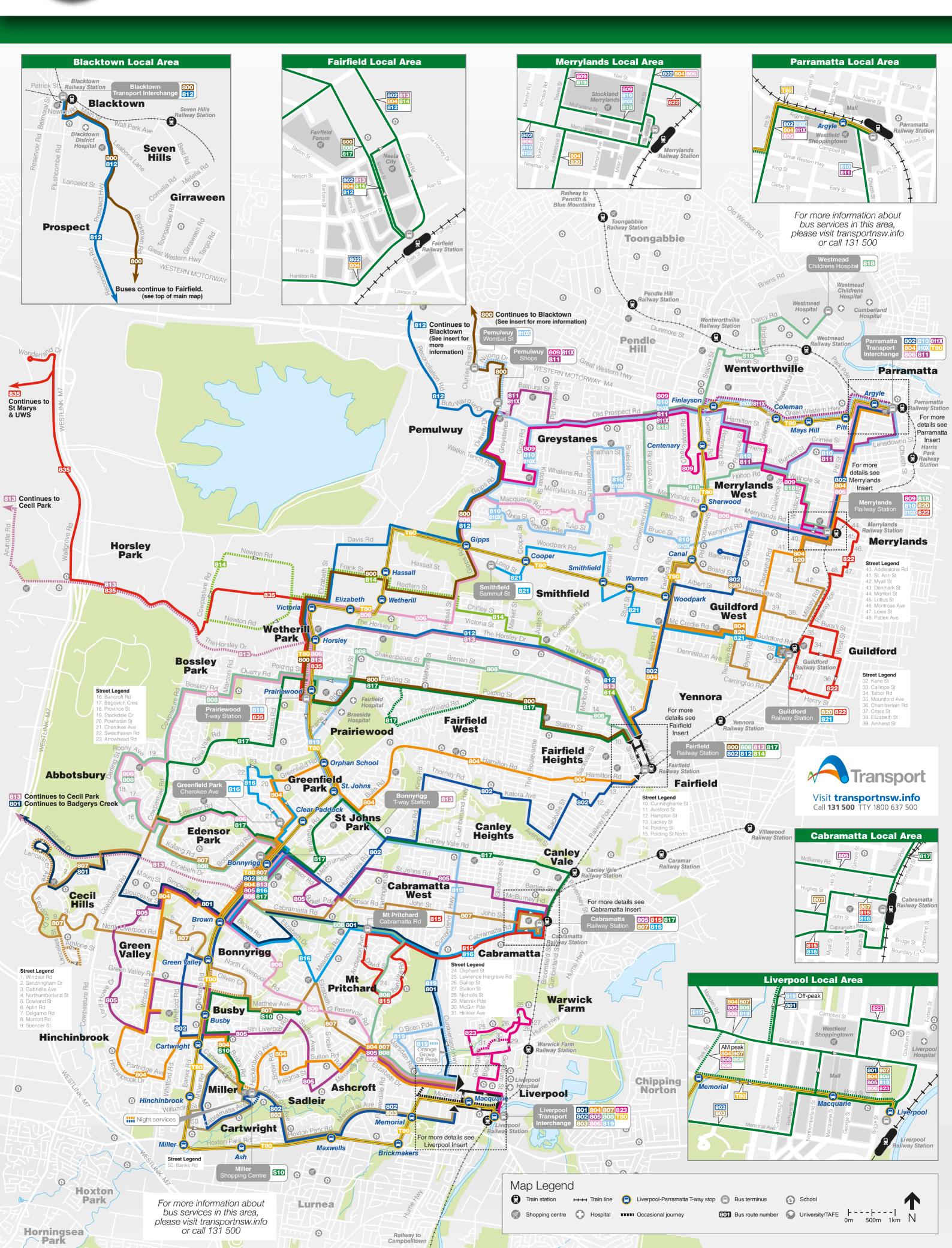
GAMBLING MORE, ENJOYING IT LESS? For free and confidential information and advice about problem gambling, please contact Gambling Help - 1800 858 858 www.gamblinghelp.nsw.gov.au



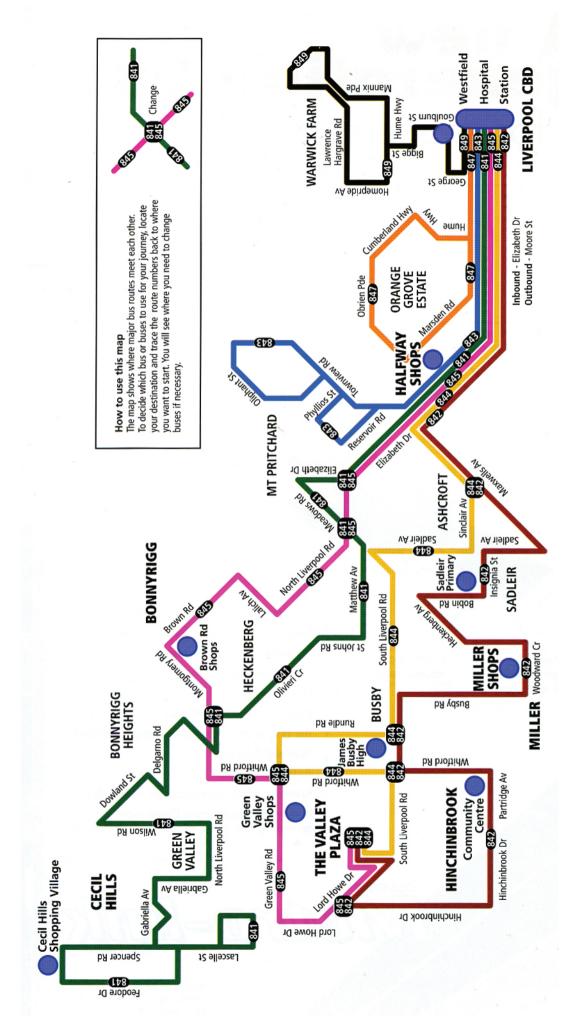
Mounties 101 Meadows Road Mount Pritchard NSW 2170 02 9822 3555

Mounties Staff Email | Your Privacy

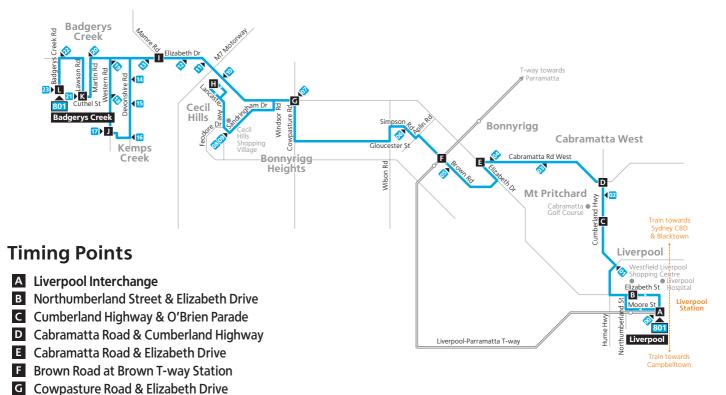




Metrolink Bus Network













Lancaster Avenue & Philipa Close
 Elizabeth Drive & Mamre Road
 Herbert Street & Western Road
 Cuthel Street & Lawson Road

Badgerys Creek Road & Longleys Road

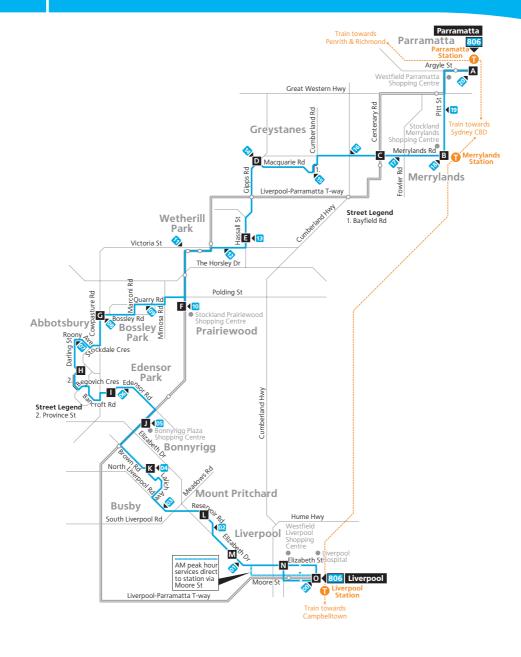
















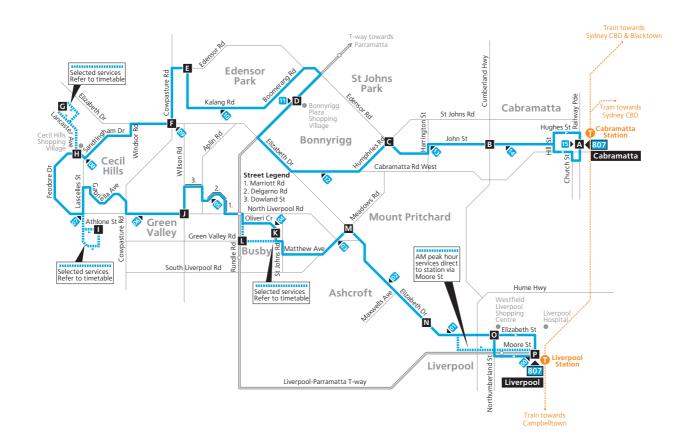














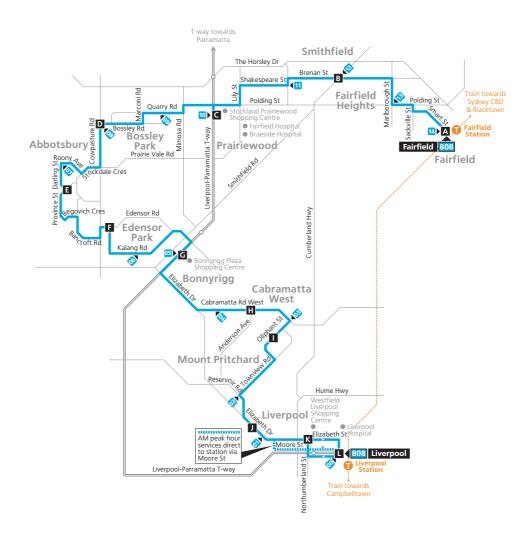
















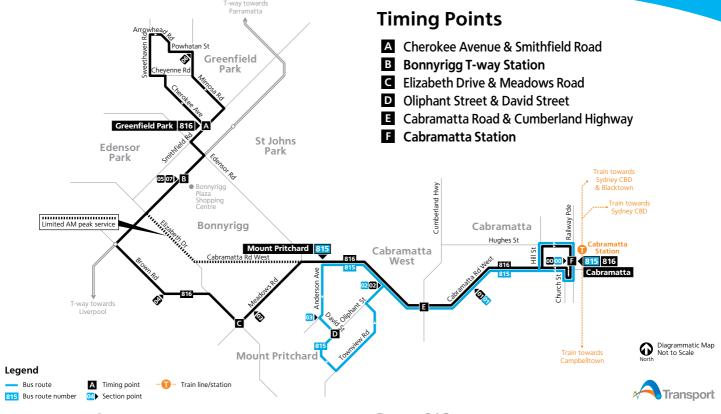












Fare Sections

Bus routes are broken into sections, so you only pay for the distance you travel. MyBus tickets are based on these sections.

For information on tickets and fares, visit **transportnsw.info** or call **131 500**.

Section Points for services shown in this timetable are located at:

Route 815

┌─ Section Point Number

Location:

- 00 Cabramatta Station
- 01 Cabramatta Road & Coventry Road
- 02 Cabramatta Road & Townview Road
- 03 David Street & Anderson Avenue

Route 816

- ┌─ Section Point Number
- **V** Location:
- 00 Cabramatta Station
- 01 Cabramatta Road West & Coventry Road
- 02 Cabramatta Road West & Townview Road
- 03 Meadows Road & Anderson Avenue
- 04 Brown Road & Gemalla Street
- 05 Bonnyrigg T-way Station
- 06 Mimosa Road & Greenfield Road
- 07 Bonnyrigg T-way Station

Explanation of definitions and symbols

- A Operates direct to Bonnyrigg T-way Station via Cabramatta Road West & Elizabeth Drive .
- B Commences 2 minutes earlier on Anderson Ave at Pritchard St.
- S School diversion on school days only.

Appendix G

PARKING SURVEY RESULTS

Mounties Club Car Park

Job No / Name Day/Date

: 4373 MT. PRITCHARD Mounties Parking : Friday 9th November 2012

	Location	Cap	1500	1600	1700	1800	1900	2000	2100	2200	2300
A1	Staff	22	2	0	0	-	5	9	8	10	11
A2		18	-	,	-	-	-	1	4	3	2
	Car Parks										
1		21	17	18	20	21	21	21	21	20	14
				00	oc	77	1	900	107	700	Co
2		101	3	SS.	90	44	6	3	2	8	70
6		32	25	26	23	30	32	31	32	32	26
	Disalbled	8	4	4	4	8	7	7	ω	8	8
	4	-	C	Ş	r.c	00	ou u	01	01	63	02
4	Staff	72	39	40	8	97	86	SC C	DQ.	8	00
2		8	5	2	7	8	8	80	8	8	9
										ļ	
9	Disalbled	4	0	-	4	4	4	4	4	4	4
7		75	17	19	32	29	45	72	75	74	99
- 03											
	Main	293	28	92	77	96	151	211	293	293	282
	Multi Level										
	Roof	132	12	12	12	44	101	131	132	132	112
-	Level	175	41	53	61	58	69	7.1	74	78	80
	Disalbled	2	1	1	1	-	2	2	2	2	-
	Staff	12	က	3	S	4	4	4	6	m	က
2	Level	172	89	109	103	145	145.	169	169	171	152
	Disalbled	4	4	4	4	4	8	4	က	3	က
	Staff	11		-		-	-	2	-	-	-
	Fence	30	10	=	12	11	20	20	30	30	23
	Staff	12	က	m	က	က	5	2	6	3	2
							,	,	,		
	Access Rd	80	0	0	0	0		m	20	20	9
	Total Vehicles Parked	1832	366	442	443	541	759	927	1037	1046	941
			£.	,	*	59	1	i.			
	% of Capacity Used		27.5%	33-2%	33.2%	4-0-6%	21.0 %	62.6%	%8.61	18.2 %	%





Job No / Name Day/Date

: 4373 MT. PRITCHARD Mounties Parking : Friday 9th November 2012

On Street Parking

	Location	Cap	1500	1600	1700	1800	1900	2000	2100	2200	2300
4	Meadows Rd E/Side	20	+	+	2	2	٠	-	20	20	18
8	Meadows Rd E/Side	No Stop	0	0	0	0	0	0	0	0	0
U	Meadows Rd E/Side	No Stop	0	0	0	0	0	0	0	0	0
٥	Meadows Rd E/Side	No Stop	0	0	0	0	0	0	0	0	0
ш	Meadows Rd E/Side	6	-		2	8	4	4	89	8	0
ш	Lena St S/Side	7	2	2	2	2	2	2	8	m	က
0	Lena St N/Side	8	ŧ.	+	0	0	÷	+	+	+	-
I	Humphries Rd E/Side	20	12	œ	2	2	2	+	0	0	0
	Humphries Rd W/Side	8	0	-	-	0	0	0	0	0	0
-	Humphries Rd W/Side	20	-	0	-	0	0	0	2	2	2
										17	3
	Total Vehicles Parked	92	78	14	10	on .	10	n .	34	345	47
	Number of Vacant Spaces		64	78	82	83	82	83	58	-28	88
	% of Capacity Used		30.4%	15.2%	10.9%	9.8%	10.9%	%8'6	37.0%	37.0%	26.1%

(a)

Job No / Name Day/Date

: 4373 MT. PRITCHARD Mounties Parking : Saturday 10th November 2012

Location	Cap	1500	1600	1700	1800	1900	2000	2100	2200	2300
Staff	22	9	9	9	6	10	12	11	12	11
	18	-	0	0	r	3	3	3	3	က
Car Parks						,	3	3	2	5
	2,1	17	19	18	20	2	17	21	21	EL.
				00	100	67	1	00	63	02
	101	SS	87	55	04	70	0/	8	5	8
	33	25	20	7.6	29	29	32	32	32	32
70,4100;0	70	3 1	27 4	1 -	G a	27	ξ α	3 0	ļα	P
Disalbled	٥		0		0		0			r
Staff	72	30	34	35	37	47	61	55	54	49
	8	9	8	5	7	80	00	တ	8	8
Disalbled	4	1	2	4	4	4	4	4	ю	4
								0	0	
	75	15	17	14	11	4	13	56	97	52
Made	2000	77	10	03	g	117	180	171	178	187
Man	202		5	3	3					
Multi Level										
Roof	132	23	14	16	19	43	70	72	69	4
[Fevel	175	36	34	38	48	33	35	51	09	22
Disalbled	2	0	0	1	1	2	2	-	~	-
Staff	12	2	2	က	-	2	2	2	2	2
	710	G	50	90	0.7	5	103	123	134	120
Disalblod	7/1	90	10 A	3 4	2 4	4	4	6	4	6
Staff	CANADA SERVICE OF SELECT	,	. -	2	2	2	-	-	-	-
		s ans				25				
Fence	30	12	1	7	10	15	26	24	27	20
Staff		0	0	1	-	2	3	3	4	ဗ
						,	c			
Access Rd		0	0	0	0		0	5	0	0
Total Vehicles Parked	1382	396	383	400	454	208	638	687	700	638
									提供。 「	314
2 70		70.0	1000	20.00	10 1 100	20.00	/0.4 FT	10 / 12	1.07 CX	100 LY



Job No / Name Day/Date

: 4373 MT. PRITCHARD Mounties Parking : Saturday 10th November 2012

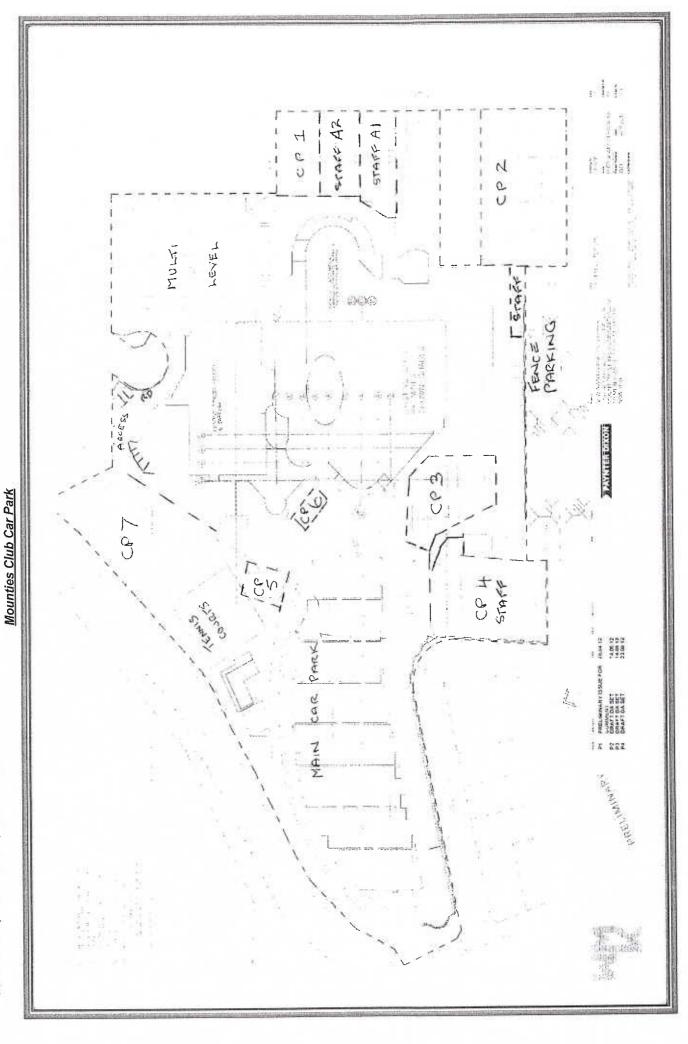
On Street Parking

	Location	Cap	1500	1600	1700	1800	1900	2000	2100	2200	2300
4	Meadows Rd E/Side	20	2	2	+	+	2	4	ဖ	9	9
8	Meadows Rd E/Side	No Stop	0	0	0	0	0	0	0	0	0
v	Meadows Rd E/Side	No Stop	0	0	0	0	0	0	0	0	0
۵	Meadows Rd E/Side	No Stop	0	0	0	0	0	0	0	0	0
ш	Meadows Rd E/Side	6	2	2	0	0		1	2	2	2
ш	Lena St S/Side	7	***	-	-	•	2	2	2	2	2
b	Lena St N/Side	8	0	0	0	•	2	2	2	2	2
Ξ	Humphries Rd E/Side	20	2	2	4	2	0	0	0	0	0
_	Humphries Rd W/Side	8	0	0	0	0	0	0	0	0	0
٦	Humphries Rd W/Side	20	-	-	0	0	2	+	े व	•	-
	Total Vehicles Parked	92	80	æ	9	5	6	10	13	Αυ 63	13
	Number of Vacant Spaces		84	2	86	87	83	82	79	Ø)	79
	% of Capacity Used		8.7%	8.7%	6.5%	5.4%	%8'6	10.9%	14.1%	14.1%	14.1%



Job No / Name Day/Date

: 4373 MT. PRITCHARD Mounties Parking : Fri 9th & Sat 10th November 2012

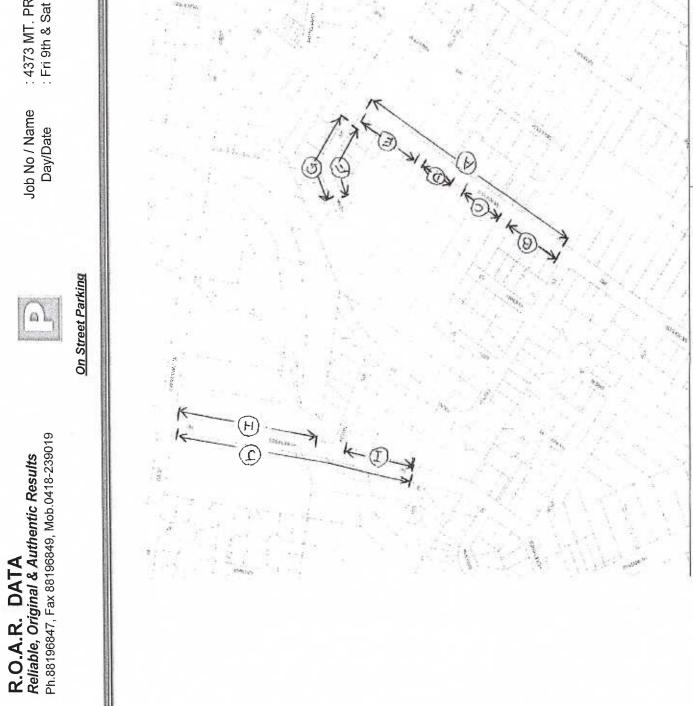






: 4373 MT. PRITCHARD Mounties Parking : Fri 9th & Sat 10th November 2012







Appendix H

SIDRA RESULTS

Giveway / Yield (Two-Way)

NAME OF STREET	STREET,	Demand	PRINCIPLIES	Dog	Avorago	Level of	95% Back	of Ougue	Prop.	Effective	Average
Mov ID	Turn	Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Service	Vehicles veh	Distance m	Queued	Stop Rate per veh	Speed km/h
South: I	HUMPHR		- William		0.00.00		O.A.A.A.				
2	T	174	2.0	0.090	0.0	LOSA	0.0	0.0	0.00	0.00	60.0
3	R	78	2.0	0.165	11.8	LOSA	0.4	2.9	0.56	0.81	45.4
Approac	ch	252	2.0	0.165	3.6	NA	0.4	2.9	0.17	0.25	54.6
East: A0	CCESS										
4	L	77	2.0	0.117	11.7	LOS A	0.4	3.0	0.52	0.80	45.4
6	R	143	2.0	0.577	31.1	LOS C	3.0	21.6	0.86	1.11	32.3
Approach		220	2.0	0.577	24.3	LOS B	3.0	21.6	0.74	1.00	36.0
North: F	HUMPHRI	EYS									
7	L	222	2.0	0.121	8.3	LOS A	0.0	0.0	0.00	0,67	49.0
8	T	424	2.0	0.220	0.0	LOS A	0.0	0.0	0.00	0,00	60.0
Approac	ch	646	2.0	0.220	2.8	NA	0.0	0.0	0.00	0.23	55.7
All Vehi	cles	1118	2.0	0.577	7.2	NA	3.0	21.6	0.18	0.39	50.1

Level of Service (LOS) Method: Delay (RTA NSW).

Vehicle movement LOS values are based on average delay per movement

Minor Road Approach LOS values are based on average delay for all vehicle movements.

NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.

SIDRA Standard Delay Model used.

Processed: Wednesday, 8 October 2014 3;18:18 PM SIDRA INTERSECTION 5.1.13.2093

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8000272, TRANSPORT & TRAFFIC PLANNING ASSOCIATES, SINGLE

SIDRA INTERSECTION Giveway / Yield (Two-Way)

Movem	nent Perf	ormance - V	ehicles		STATE OF THE PARTY OF	Marie Sand	AND DES	250000	1180		
Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back Vehicles veh	of Queue Distance m	Prop. Queued	Effective Stop Rate per veh	Average Speed km/h
South: 1	MEADOW			THE TEN	Siesai,						
1	L	172	2.0	0.094	6.5	LOS A	0.0	0.0	0.00	0.61	43.3
2	T	474	2.0	0.246	0.0	LOSA	0.0	0.0	0.00	0.00	50.0
Approac	ch	6 46	2.0	0.246	1.7	NA	0.0	0.0	0.00	0.16	48.0
North: N	MEADOW										
8	T	699	2.0	0.363	0.0	LOS A	0.0	0.0	0.00	0.00	50.0
9	R	110	2.0	0.152	10.1	LOSA	0.6	4.2	0.57	0.81	40.2
Approac	ch	809	2.0	0.363	1.4	NA	0.6	4.2	0.08	0.11	48.4
West: A	CCESS										
10	L	74	2.0	0.116	10.1	LOSA	0.4	3.0	0.53	0.78	40.2
12	R	126	2.0	0.594	33.1	LOS C	2.5	18.2	0.92	1.12	27.8
Approac	ch	200	2.0	0.594	24.6	LOS B	2.5	18.2	0.78	1.00	31.4
All Vehi	cles	1655	2.0	0.594	4.3	NA	2.5	18.2	0.13	0.24	45.3

Level of Service (LOS) Method; Delay (RTA NSW).

Vehicle movement LOS values are based on average delay per movement

Minor Road Approach LOS values are based on average delay for all vehicle movements.

NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.

SIDRA Standard Delay Model used.

Processed: Wednesday, 8 October 2014 1:12:02 PM SIDRA INTERSECTION 5.1.13.2093

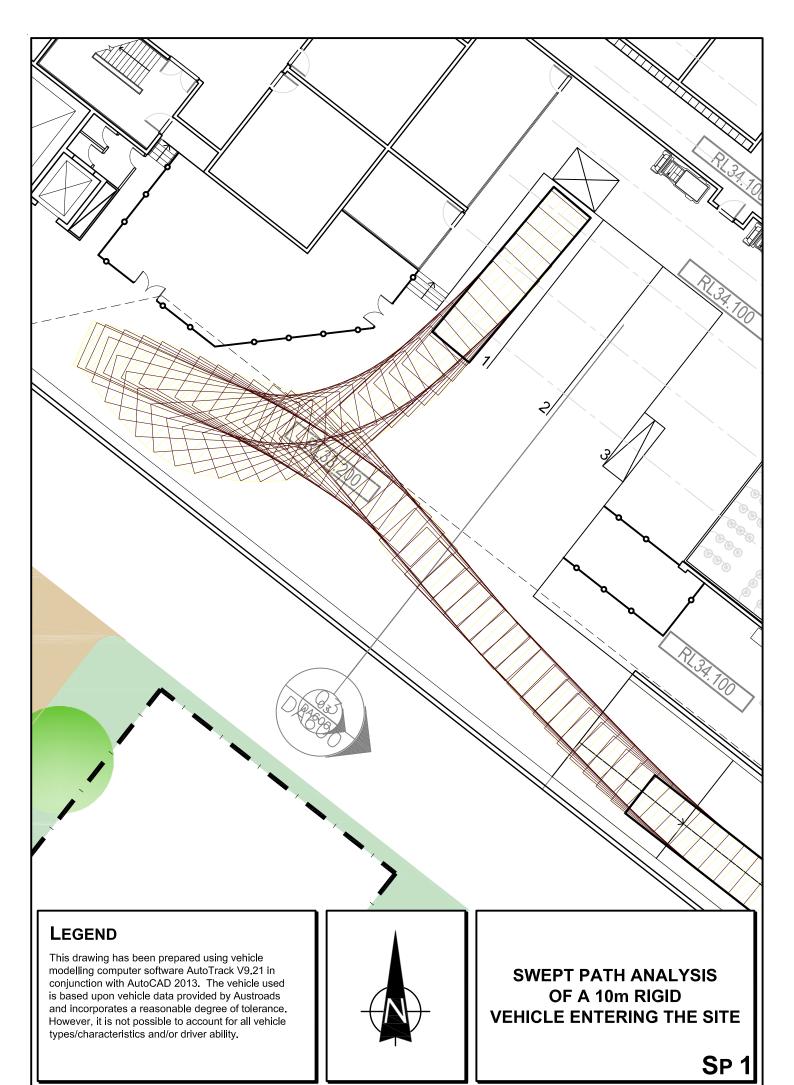
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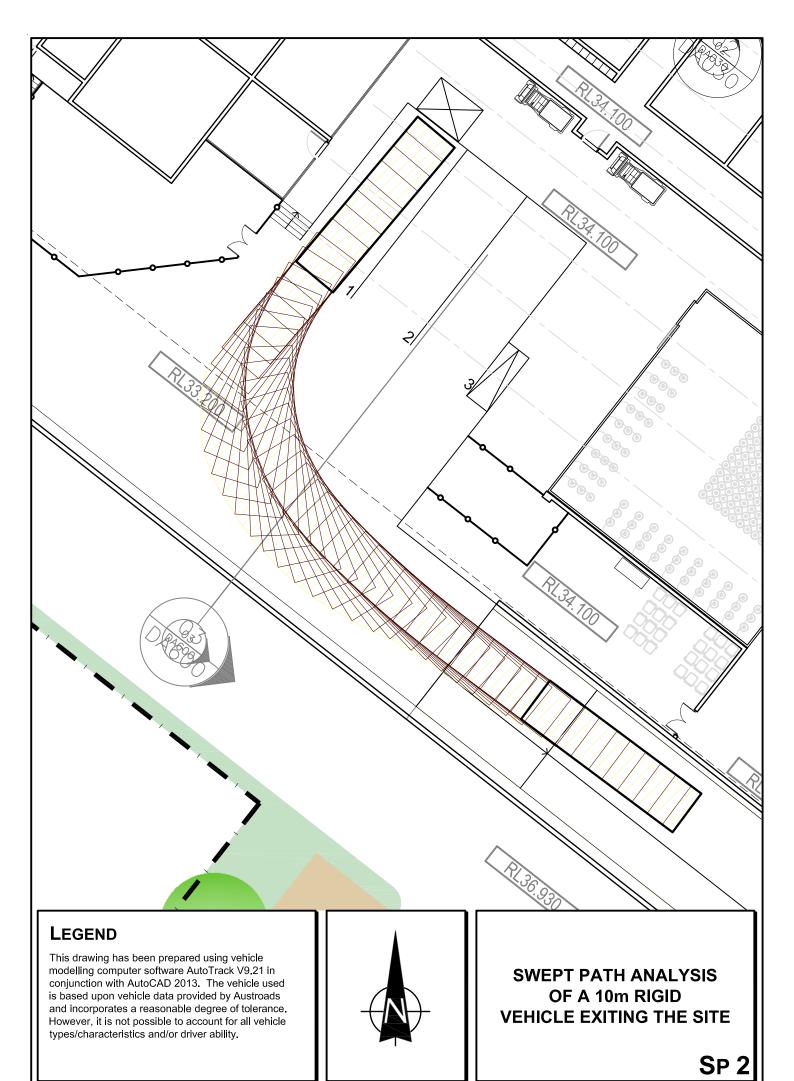
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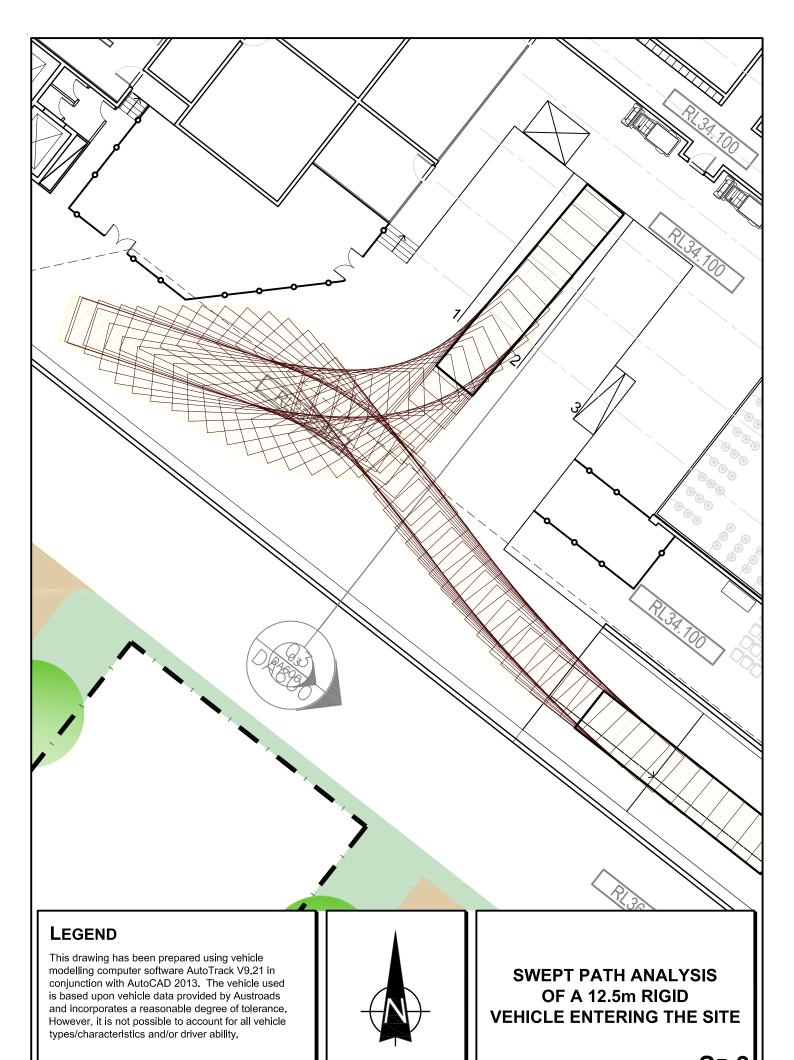
SIDRA INTERSECTION

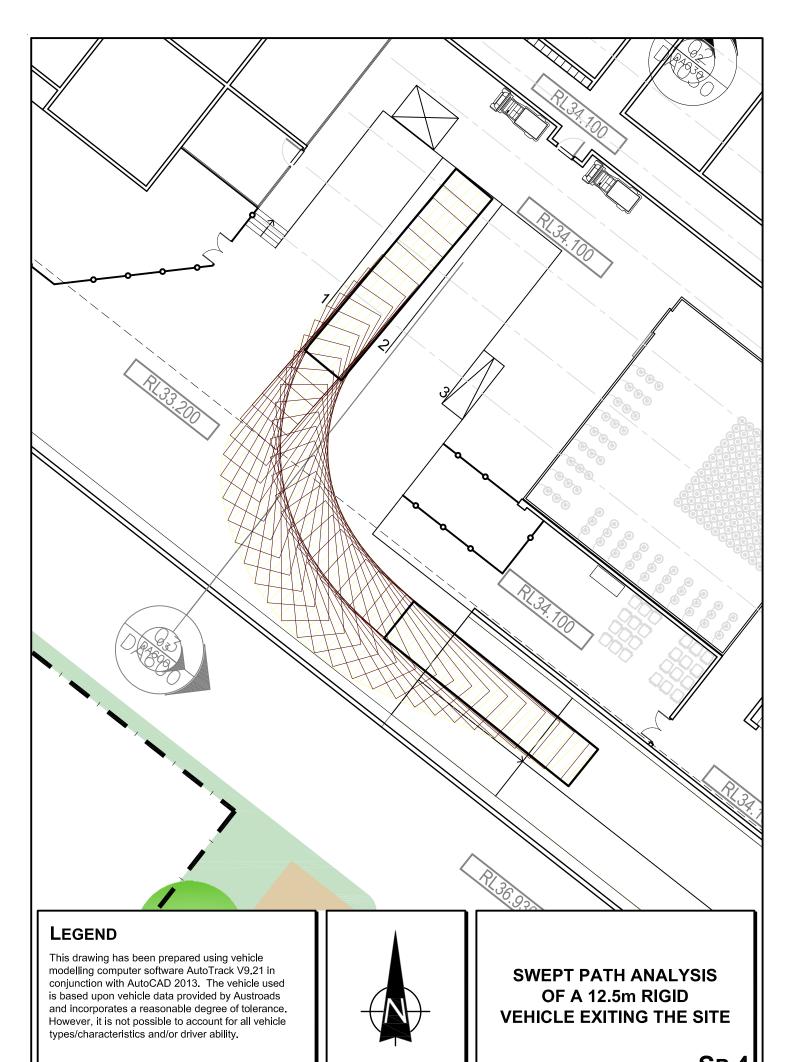
Appendix I

TURNING PATH ASSESSMENTS











This drawing has been prepared using vehicle modelling computer software AutoTrack V9.21 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 A 10m RIGID

VEHICLE ENTERING THE SITE

SP 5

