

2 November 2022

Project/File: 301350647

**Christian Tilia**

Ontoit

Level 11, 4-6 Bligh Street  
SYDNEY NSW 2000

Dear Christopher,

**Reference: NSW RUGBY CENTRE OF EXCELLENCE – TRAFFIC AND PARKING ASSESSMENT**

Stantec completed a traffic and parking assessment on 8 April 2022 as part of a Development Application (DA-2022/164) seeking consent to enable public access and public games to occur at the NSW Rugby Centre of Excellence site at 35 Banks Avenue, Daceyville. The traffic and parking assessment has subsequently been updated in response to stakeholder submissions seeking updated parking demand surveys be completed.

This letter is also an addendum to the Transport Impact Assessment (Transport Report) prepared by Stantec (formerly GTA, now Stantec)<sup>1</sup> that accompanied the approved Development Application for the construction of the NSW Rugby Centre of Excellence (approved DA, DA-2020/455 PAN-55510) and should be read in conjunction with that report.

This letter is set out in the following sections:

- background
- proposed modification
- existing on-street car parking
- parking impact appraisal
- traffic impact appraisal
- conclusion.

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<sup>1</sup> NSW Rugby Centre of Excellence – Cook Avenue and Gwea Avenue, Daceyville – Transport Impact Assessment prepared by GTA, now Stantec, Issue C data 8 April 2021

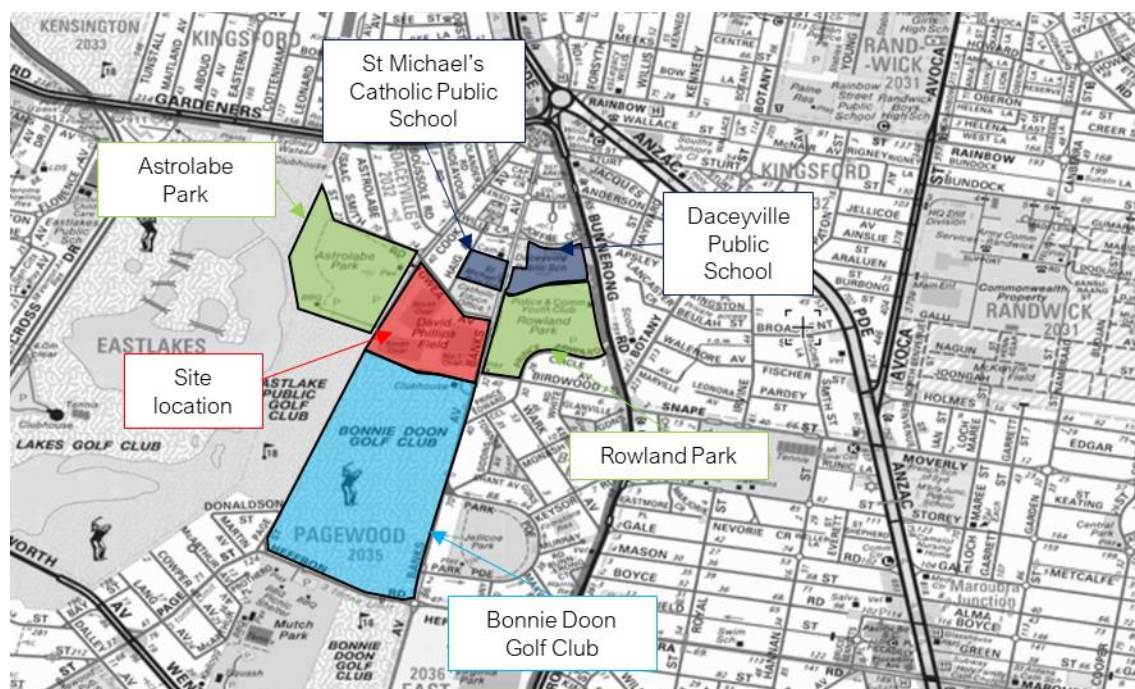
## Background

NSW Rugby operations were historically based at the Sydney Football Stadium (SFS) precinct in Moore Park. In anticipation of the SFS redevelopment that commenced in late 2018, NSW Rugby formed a partnership with the University of New South Wales (UNSW) to locate its training and administration premises in a temporary facility at the UNSW-owned David Phillips Sports Grounds (DPSG) in Daceyville. Whilst long-term relocation of NSW Rugby to DPSG was proposed, the timing of securing funding, and the subsequent DA and construction process prohibited the immediate construction of a permanent facility.

The approved DA includes replacement of the existing temporary facilities and provides a new permanent, purpose-built facility for Rugby NSW. The approved development comprises a two-storey building containing facilities ancillary to the use of the site as an outdoor recreation facility. It has frontages to Cook and Gwea Avenue, with the primary entrance accessed via Gwea Avenue. This site location establishes a separate address to the co-located UNSW sport and recreation facilities also within the broader David-Phillips Sport Complex.

The site location and surrounding area is shown in Figure 1.

**Figure 1: Subject site and its environs**



Base image source: <https://www.street-directory.com.au/>

The existing permanent facilities of DPSG were approved under DA 10/175 in 2010 and included a grandstand with capacity for 300 spectators in the UNSW western amenities block. As part of the approved DA the western amenities block is to be demolished to facilitate construction of the permanent Rugby NSW facilities. The approved DA includes a grandstand for 300 spectators (including a 148-seat portable grandstand that is a contribution to the DPSG complex for broader use with UNSW).

The approved DA is clearly suitable for site uses and events where total participants and spectators amount to less than 400 people at any one time. This recognises the grandstand capacity of 300 spectators with no significant changes to current operations and hence able to accommodate events up

**Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT**

to 400 people at any one time in existing on-street parking while maintaining good intersection operation.

Rugby NSW, in conjunction with UNSW, have previously held events at DPSG with attendance up to 800 participants and spectators including NSW School Championships, Gen Blue matches and NSW Suburban Rugby Finals (part of the UNSW Rugby Club's current arrangements). The largest mid-week event historically held at the site is the Primary School 7s Finals with 250 participants and 300 spectators at any one time. The largest weekend event historically held at DPSG is the NSW School Championships with 300 participants and 500 spectators at any one time.

## Proposed Development

The Development Application sought to enable public games to be held at the NSW Rugby Centre of Excellence site, with a total attendance of up to 1,000 attendees at any one time (participants and spectators). As part of the response to submissions process, the project team has proactively responded to a range of queries of which transport is a key component. In particular, the application seeks to reduce the maximum event size to up to 400 attendees at any one time.

Details of Rugby NSW's proposed schedule at the NSW Rugby Centre of Excellence site, including events historically held, are summarised in Table 1.

**Table 1: Proposed Rugby NSW schedule at DPSG**

Event	Indicative Month	Indicative Day	Estimated Participants (any one time)	Estimated Spectators (any one time)	Estimated Total Attendees (any one time)
<b>Previously Held Events</b>					
<b>Waratahs Academy v Brumbies Academy</b>	1x game in the month of February	Weekend	46	100	146
<b>Waratahs Academy v Rebels Academy</b>	1x game in the month of March	Weekend	46	100	146
<b>NSW School Championships (3 Days)</b>	3x games per day over 3 days in a row in the month of June	Mid-week / Weekend	46	138	184
<b>Jack Scott Cup Women's 7s</b>	1 day in the month of April	Weekend	200	50	250
<b>Subbies Finals</b>	3x weekends in the month of August	Weekend	46	250	296 – games have happened for the past 20 years
<b>NSW U19 Match</b>	3x games in the month of October or November	Weekend	46	276	322
<b>NSW U18 Match</b>	1x game in the month of July / 2x games in the month of September	Weekend	46	322	368

Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

Event	Indicative Month	Indicative Day	Estimated Participants (any one time)	Estimated Spectators (any one time)	Estimated Total Attendees (any one time)
NSW U16 Match	2x games in the month of October/November	Weekend	46	276	322
NSW U15 Match	1x game in the month of October	Weekend	46	250	294
<b>New Events</b>					
Round of Girls 7s (Frosty)	1x day between June-August	Weekend	14	280	394
Sydney v Country Juniors	1 Day in the month of August	Weekend	46	184	230
GPS / SJRU / CJRU Reps	1 day in the month of June	Mid-week	46	138	184

Table 1 indicates that Rugby NSW intend to hold 12 events per year with a maximum attendance of 400 at any one time. No events are proposed with attendance greater than 400 at any one time.

## Existing On-Street Car Parking<sup>2</sup>

### Supply

As part of the Transport Report, Stantec compiled an inventory of publicly available on-street parking near the DPSG. The parking inventory extent has been expanded during preparation of the DA and this updated letter to determine the available on-street parking supply within 400 metres of DPSG.

The parking survey extent with the parking inventory and restrictions are illustrated in Figure 2, with the breakdown of the parking supply detailed in Table 2.

<sup>2</sup> For details on all existing conditions refer to the approved Transport Report, this letter focuses on the additional parking survey undertaken to observe Saturday parking demand.



Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

Figure 2: Car parking inventory



Base source: Nearmap

Table 2: Car Parking Supply [1]

Parking Area	Location	Supply	Area / Street Total Supply
Banks Ave	Eastern	64	212
	Western	105	
	Rowland Park Car Park	43	
Birdwood Avenue	Northern	13	20
	Southern	7	
Gwea Ave	Northern	30	66
	Southern	36	
Haig Ave	Eastern	29	52
	Western	23	
Cook Ave	Eastern	23	45
	Western	22	
Astrolabe Rd (North of Isaac Smith St)	Near Gwea	11	27
	End of Road	16	
Astrolabe Rd (East of Isaac Smith St)	Northern	9	17
	Southern	8	
Astrolabe Car Park	Southern	8	65

**Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT**

Parking Area	Location	Supply	Area / Street Total Supply
	Western/ Northern	57	
Isaac Smith St	Northern	13	37
	Southern	24	
Boussole Rd	Eastern	22	45
	Western	23	
Wills Crescent	Northern	22	39
	Southern	17	
Prince Edward Circuit	Northern	27	73
	Southern	26	
	Rowland Park Car Park	Approx. 20 [2]	
<b>TOTAL</b>		<b>698</b>	<b>698</b>

[1] Parking inventory compiled in October 2022 identifies a slightly different supply of parking per street/ parking area to that compiled in March 2022 for the Traffic and Parking Assessment submitted with the DA. Parking inventory in October 2022 has been compiled by a third party reputable survey company (Matrix Traffic and Parking). As such, inventory in October 2022 supersedes that contained in the Traffic and Parking Assessment submitted with the DA.

[2] Supply reduced due to COVID testing drive through clinic.

The parking inventory identified a total of 698 on-street parking spaces within 400 metres of DPSG. All parking is unrestricted with select accessible spaces also incorporated into the respective areas. The no stopping restrictions on both sides of Haig Avenue during the morning and afternoon school periods, as well as on the northern side of Gwea Avenue to accommodate a daytime bus zone have been excluded reducing the weekday total supply to a minimum of 680 on-street parking spaces.

The full inventory is included in Attachment 1 of this letter.

## Existing Demand

Parking demand surveys were completed on Tuesday 18 October 2022, Saturday 15 October 2022 and Sunday 16 October 2022 between 8:00am and 8:00pm. Full results are included in Attachment 1.

Table 3 details the various activities that were scheduled at the DPSG, Rowland Park and Rugby COE fields during each survey day.

Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

**Table 3: Weekday car parking demand**

Survey Day	DPSG			Rowland Park	Rugby COE
	Cricket Field	Synthetic Field	Tennis		
Saturday, 15 October	Cricket Matches 9am to 6pm	No Activity	Casual Bookings	All cricket fields booked 8am to 6pm	No Activity
Sunday, 16 October	Cricket Matches 9am to 6pm	Various Users (Soccer, Gridiron, SFC, Elle Academy) 4pm to 10pm	Casual Bookings	All cricket fields booked 8am to 6pm	Under 16 and 19 matches 12pm to 3pm <b>(322 total attendees at any one time)</b>
Tuesday, 18 October	Cricket Training 4pm to 8pm	Various Users (Soccer, Gridiron, SFC, Elle Academy) 6pm to 9pm	Casual Bookings	Rugby league field 1, soccer field 3 and 4 booked 6:30pm to 8:30pm.	Training 5pm to 10pm

Review of Table 3 indicates that on each survey day, typical summer season sporting activity occurred throughout the area. As such, parking demand surveys are considered to appropriately represent parking demand characteristics of the area as relevant to this application.

Further and of note, two events were held at the Rugby Centre of Excellence on Sunday between 12:00pm to 3:00pm with a total attendance of 322.

The weekday parking demand is detailed in Table 4, with a summary of the overall weekday parking demand shown in Figure 3.

Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

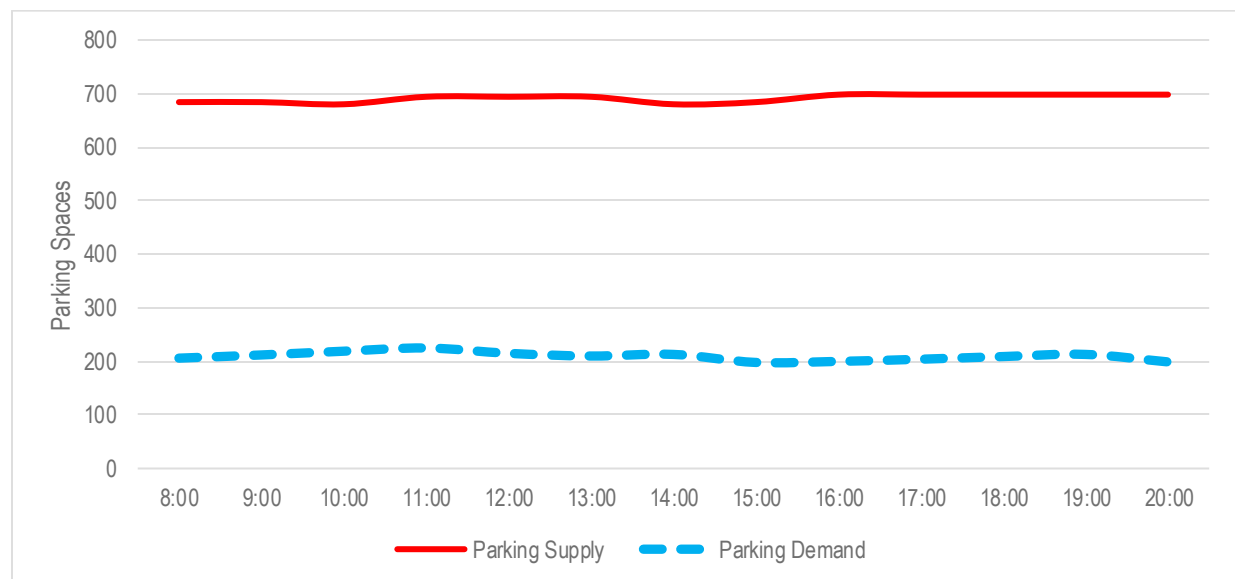
Table 4: Weekday car parking demand

Parking Area	Location	Supply	Peak demand (vehicles)												
			8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Banks Ave	Eastern	64	17%	17%	19%	16%	17%	14%	27%	27%	19%	22%	20%	30%	28%
	Western	105	34%	29%	34%	37%	33%	37%	46%	37%	45%	48%	50%	58%	46%
	On Banks Ave East side	43	26%	14%	12%	16%	9%	9%	14%	16%	23%	53%	35%	42%	42%
Birdwood Ave	Northern	13	46%	46%	31%	31%	38%	23%	23%	38%	54%	46%	38%	0%	0%
	Southern	7	57%	57%	29%	43%	43%	29%	43%	29%	14%	29%	57%	43%	43%
Gwea Ave	Northern	30	37%	63%	70%	67%	60%	60%	63%	50%	37%	33%	43%	33%	40%
	Southern	36	44%	58%	56%	64%	64%	61%	44%	22%	28%	33%	28%	19%	17%
Haig Ave	Eastern	29	28%	38%	38%	38%	41%	41%	45%	41%	38%	14%	7%	7%	3%
	Western	23	43%	52%	57%	48%	48%	48%	39%	39%	17%	4%	4%	9%	9%
Cook Ave	Eastern	23	26%	26%	35%	35%	39%	39%	22%	22%	22%	17%	30%	22%	22%
	Western	22	23%	27%	18%	23%	27%	27%	27%	27%	27%	27%	27%	27%	27%
Astrolabe Rd (North of Isaac Smith St)	Northern	11	36%	36%	27%	36%	45%	55%	36%	36%	27%	36%	36%	36%	36%
	Southern	16	6%	6%	6%	25%	38%	38%	13%	13%	13%	13%	13%	13%	13%
Astrolabe Rd (East of Isaac Smith St)	Eastern	9	56%	56%	44%	33%	22%	22%	56%	56%	44%	67%	56%	56%	67%
	Western	8	25%	25%	25%	25%	25%	25%	25%	25%	25%	38%	50%	50%	50%
Astrolabe Car Park	Southern	8	0%	13%	25%	25%	25%	25%	13%	0%	0%	38%	25%	13%	0%
	Western/Northern	57	18%	21%	33%	35%	35%	35%	23%	25%	21%	7%	5%	0%	2%
Isaac Smith St	Northern	13	38%	38%	46%	46%	38%	38%	38%	38%	46%	31%	31%	46%	46%
	Southern	24	25%	21%	21%	21%	17%	17%	17%	17%	13%	13%	13%	17%	17%
Boussole Rd	Eastern	22	45%	45%	36%	32%	23%	23%	27%	32%	32%	23%	32%	41%	41%
	Western	23	43%	48%	48%	43%	35%	26%	35%	35%	39%	52%	65%	61%	65%
Wills Crescent	Northern	22	50%	36%	32%	36%	36%	36%	32%	36%	41%	59%	55%	59%	55%
	Southern	17	19%	19%	19%	11%	7%	7%	7%	15%	26%	19%	22%	15%	15%
Prince Edward Circuit	Northern	27	19%	19%	19%	11%	7%	7%	7%	15%	26%	19%	22%	15%	15%
	Southern	26	31%	27%	23%	23%	19%	15%	15%	15%	19%	19%	23%	27%	27%
	Rowland Park Car Park	20	0%	0%	0%	0%	0%	0%	0%	15%	25%	10%	30%	35%	25%
Overall		698	30%	30%	31%	32%	31%	30%	31%	28%	29%	29%	30%	31%	29%



Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

**Figure 3: Weekday car parking demand profile**



[1] Total supply reduced due to no stopping restrictions on both sides of Haig Avenue during the morning and afternoon school periods, as well as along Gwea Avenue to accommodate a daytime bus zone on the northern side of the road

Table 4 and Figure 3 indicate that existing weekday parking demand in the study area is relatively low throughout the day, with a peak of 225 vehicles (31 per cent of supply) at 11:00am. There were also around 473 vacant spaces at that time.

The Saturday parking demand is detailed in Table 5, with a summary of the overall Saturday parking demand shown in Figure 4.

Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

Table 5: Saturday Car Parking Demand

Parking Area	Location	Supply	Peak demand (vehicles)												
			8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Banks Ave	Eastern	64	17%	9%	16%	13%	31%	84%	91%	64%	23%	11%	11%	17%	17%
	Western	105	23%	22%	39%	47%	76%	90%	95%	69%	35%	18%	10%	30%	26%
	On Banks Ave East side	43	28%	26%	26%	53%	95%	95%	93%	67%	42%	12%	16%	21%	19%
Birdwood Ave	Northern	13	8%	8%	15%	31%	62%	92%	92%	46%	31%	15%	23%	8%	0%
	Southern	7	14%	14%	29%	14%	86%	100%	100%	100%	86%	14%	14%	14%	14%
Gwea Ave	Northern	30	33%	30%	47%	50%	77%	87%	100%	80%	50%	23%	13%	10%	20%
	Southern	36	11%	14%	22%	22%	56%	100%	100%	75%	31%	11%	8%	8%	6%
Haig Ave	Eastern	29	3%	3%	3%	7%	7%	38%	38%	31%	14%	3%	3%	3%	3%
	Western	23	13%	13%	13%	9%	4%	9%	39%	39%	26%	13%	13%	9%	17%
Cook Ave	Eastern	23	39%	30%	26%	30%	35%	35%	35%	35%	35%	35%	35%	22%	26%
	Western	22	36%	32%	36%	41%	27%	36%	41%	41%	36%	45%	41%	36%	41%
Astrolabe Rd (North of Isaac Smith St)	Northern	11	55%	64%	55%	27%	27%	36%	64%	64%	73%	55%	36%	55%	45%
	Southern	16	19%	13%	13%	13%	13%	13%	13%	13%	25%	25%	25%	38%	31%
Astrolabe Rd (East of Isaac Smith St)	Eastern	9	78%	67%	67%	78%	67%	67%	78%	78%	67%	56%	56%	56%	89%
	Western	8	63%	38%	38%	25%	25%	25%	38%	25%	38%	25%	38%	38%	38%
Astrolabe Car Park	Southern	8	0%	0%	25%	0%	13%	13%	13%	13%	13%	38%	13%	25%	0%
	Western/Northern	57	54%	61%	60%	60%	63%	56%	42%	46%	46%	46%	12%	9%	2%
Isaac Smith St	Northern	13	23%	38%	46%	46%	46%	46%	54%	54%	69%	62%	54%	54%	62%
	Southern	24	29%	33%	29%	21%	21%	21%	17%	17%	17%	21%	21%	21%	21%
Boussole Rd	Eastern	22	41%	41%	41%	36%	45%	41%	32%	41%	27%	23%	23%	23%	27%
	Western	23	48%	48%	52%	48%	43%	43%	43%	43%	48%	43%	43%	52%	52%
Wills Crescent	Northern	22	50%	50%	41%	36%	32%	41%	32%	36%	36%	41%	45%	45%	36%
	Southern	17	12%	12%	6%	6%	6%	6%	12%	12%	12%	12%	12%	12%	12%
Prince Edward Circuit	Northern	27	30%	33%	37%	48%	67%	93%	93%	74%	48%	15%	19%	11%	4%
	Southern	26	27%	19%	23%	19%	54%	77%	77%	62%	38%	12%	15%	23%	31%
	Rowland Park Car Park	20	10%	10%	15%	20%	55%	80%	80%	65%	40%	10%	15%	10%	0%
Overall		698	28%	27%	32%	34%	50%	65%	67%	54%	36%	23%	19%	22%	21%

Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

**Figure 4: Saturday Car Parking Demand Profile**

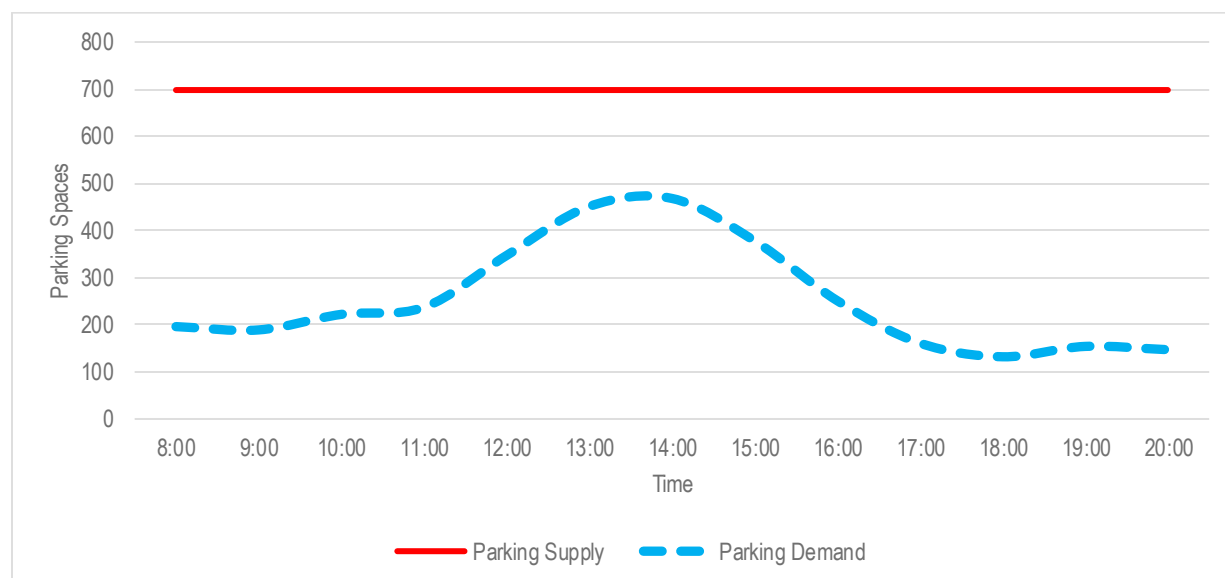


Table 5 and Figure 4 indicate that existing Saturday parking demand in the study area is relatively low in the morning and afternoon, with occupancy of around 150 to 200 vehicles (20 to 30 per cent of supply) with a midday spike in demand between 12:00pm to 3:00pm with a peak of 468 vehicles (67 per cent of supply) at 2:00pm. There were also around 230 vacant spaces at that time. During the midday spike in demand, high parking demand was observed along Banks Street, including the Rowland Street car park, Birdwood Avenue, Gwea Avenue and Prince Edward Circuit.

Across the survey period, moderate parking demand were observed within Astrolobe Park parking areas, with a maximum demand of 37 vehicles (57 per cent of supply). Parking demand steadily reduced from around 1:00pm.

The Sunday parking demand is detailed in Table 6, with a summary of the overall Sunday parking demand shown in Figure 5.

Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

Table 6: Sunday Car Parking Demand

Parking Area	Location	Supply	Peak demand (vehicles)												
			8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Banks Ave	Eastern	64	17%	17%	22%	22%	25%	11%	11%	11%	11%	25%	5%	6%	5%
	Western	105	27%	35%	29%	26%	30%	27%	31%	43%	40%	40%	11%	10%	10%
	On Banks Ave East side	43	93%	95%	35%	33%	30%	9%	44%	56%	63%	19%	5%	7%	5%
Birdwood Ave	Northern	13	62%	62%	38%	31%	31%	31%	38%	54%	38%	38%	15%	8%	0%
	Southern	7	29%	86%	86%	57%	57%	71%	43%	86%	86%	57%	14%	14%	14%
Gwea Ave	Northern	30	30%	30%	33%	43%	53%	33%	33%	40%	33%	23%	20%	20%	20%
	Southern	36	44%	44%	42%	39%	36%	22%	8%	22%	19%	17%	11%	11%	11%
Haig Ave	Eastern	29	3%	3%	10%	10%	17%	3%	7%	7%	3%	3%	7%	3%	3%
	Western	23	13%	13%	9%	13%	13%	17%	13%	13%	13%	13%	17%	17%	13%
Cook Ave	Eastern	23	26%	30%	26%	30%	30%	39%	39%	39%	26%	26%	26%	26%	30%
	Western	22	41%	41%	45%	55%	55%	50%	55%	59%	59%	50%	36%	36%	41%
Astrolabe Rd (North of Isaac Smith St)	Northern	11	45%	55%	36%	36%	27%	36%	36%	27%	36%	27%	9%	27%	18%
	Southern	16	25%	25%	19%	31%	31%	31%	25%	25%	19%	25%	25%	25%	25%
Astrolabe Rd (East of Isaac Smith St)	Eastern	9	67%	67%	67%	67%	56%	56%	67%	78%	78%	67%	67%	78%	100%
	Western	8	38%	38%	63%	50%	50%	50%	50%	63%	63%	38%	38%	50%	50%
Astrolabe Car Park	Southern	8	13%	13%	13%	25%	13%	0%	0%	0%	0%	25%	50%	13%	25%
	Western/Northern	57	25%	44%	54%	46%	39%	44%	53%	46%	39%	42%	4%	4%	2%
Isaac Smith St	Northern	13	62%	62%	46%	38%	54%	54%	62%	69%	54%	54%	54%	62%	62%
	Southern	24	25%	25%	25%	25%	38%	38%	42%	38%	21%	33%	25%	21%	21%
Boussole Rd	Eastern	22	36%	36%	36%	36%	32%	32%	36%	41%	36%	41%	45%	55%	45%
	Western	23	39%	43%	43%	43%	39%	43%	57%	57%	48%	48%	48%	52%	52%
Wills Crescent	Northern	22	45%	45%	32%	27%	23%	18%	27%	32%	32%	41%	59%	50%	55%
	Southern	17	12%	12%	6%	6%	6%	12%	12%	12%	12%	18%	12%	12%	12%
Prince Edward Circuit	Northern	27	19%	19%	19%	11%	7%	7%	7%	15%	26%	19%	22%	15%	15%
	Southern	26	31%	27%	23%	23%	19%	15%	15%	15%	19%	19%	23%	27%	27%
	Rowland Park Car Park	20	0%	0%	0%	0%	0%	0%	0%	15%	25%	10%	30%	35%	25%
Overall		698	30%	30%	31%	32%	31%	30%	31%	28%	29%	29%	30%	31%	29%

**Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT**

**Figure 5: Sunday Car Parking Demand Profile**

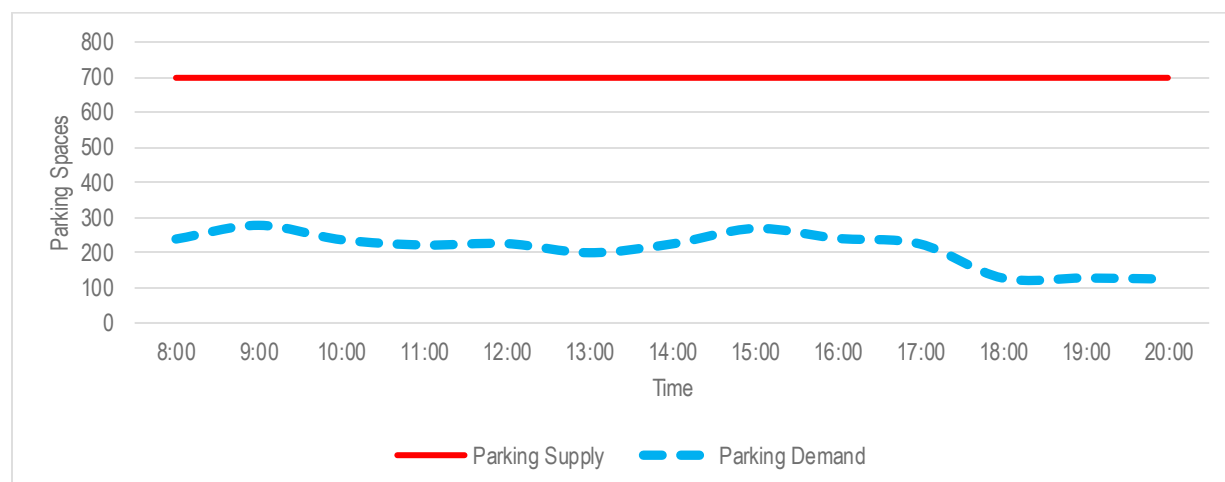


Table 6 and Figure 5 indicate that existing Sunday parking demand in the study area is relatively low throughout the day, with a peak of 278 vehicles (40 per cent of supply) at 9:00am. There is a distinct reduction to parking demand at 6:00pm, coinciding with cricket matches finishing at Rowland Park.

As discussed, two events were held at the Rugby Centre of Excellence on Sunday between 12:00pm to 3:00pm with a total attendance of 322 attendees at any one time. There were no notable increases to parking demand throughout the area during this period, with demand generally consistent with that observed in the morning and afternoon periods associated with activity at Rowland Park and DPSG. As such, the event clearly did not result in any real impact to parking supply on street, with at least 470 vacant parking spaces during this period, a similar level of parking demand observed during the weekday survey period. Further, parking demand during these events were significantly lower to that observed between 12:00pm to 3:00pm on the Saturday.

From review of the parking demand at the start and end of each surveyed periods (i.e., outside of school and sport times) it is evident that the residential component of the parking demand in the study area is around 20 to 30 per cent of available supply. As such, the on-street parking supply available to accommodate visitor activity is approximately 550 spaces.

## Parking Appraisal

### Empirical Assessment of Event Car Parking Requirement

A first principles assessment has been completed based on the expected operation of the site during events with up to 400 attendees at any one time to understand the respective event impact on the surrounding on-street parking supply. This has been defined as follows:

#### Events up to 400 attendees at any one time

- 80 per cent of attendees are anticipated to travel by car, with 10 per cent being dropped off (i.e. do not park)
- 15 per cent of attendees are anticipated to travel by public transport
- 5 per cent of attendees are anticipated to travel by active transport (walking or cycling)
- an average car occupancy of 2.5 is expected.

Based on this, events up to 400 attendees at any one time could generate parking demand for up to 112 parking spaces.



**Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT**

Application of this to the 322 attendees on site at any one time during the Sunday survey period indicates the event could have generated a parking demand for up to 90 parking spaces. Given no noticeable change to parking demand was observed during the Sunday event, a parking demand of 90 spaces is a conservative representation of parking demand generated by the event, with less parking demand likely generated on the day.

Notwithstanding, the following sensitivity scenario has also been reviewed assuming a higher private vehicle mode share of 90 per cent and lower vehicle occupancy rates of two people per car. Vehicle occupancy rates of less than two is not an accurate reflection given the nature of sporting events where players, parents and spectators typically likely to arrive together, as is common for similar type events.

**Events up to 400 attendees at any one time – Sensitivity Scenario**

- 90 per cent of attendees are anticipated to travel by car, with 10 per cent being dropped off (i.e. do not park)
- 7.5 per cent of attendees are anticipated to travel by public transport
- 2.5 per cent of attendees are anticipated to travel by active transport (walking or cycling)
- an average car occupancy of 2.0<sup>3</sup>.

Based on this, events up to 400 attendees at any one time could generate parking demand for up to 160 parking spaces

**Adequacy of Parking Supply**

As discussed, existing residential parking demand was observed to occupy approximately 30 per cent of the on-street parking supply within the study area, resulting in 550 publicly accessible on-street parking spaces to accommodate visitor activity. Events with up to 400 attendees at any one time are anticipated to generate demand 160 spaces and can readily be accommodated in the existing on-street supply, with a further 240 spaces available for other visitors to the area.

With the likelihood for other sporting events to be scheduled at DPSG and Rowland Park during events, it is noted that existing peak demand for on-street parking was observed to occupy around 67 per cent of available spaces during the Saturday survey period, resulting in at least 230 vacant spaces. As such, the anticipated demand of up to 160 spaces associated with the proposal would still leave about 70 vacant parking spaces during peak periods.

On this basis the existing on-street parking supply is expected to be capable of accommodating the car parking demand generated by events at DPSG with up to 400 attendees at any one time.

**Traffic Impact Appraisal**

The Transport Report assessed the existing operation of the following key intersections near the site:

- Banks Avenue/ Gwea Avenue
- Banks Avenue/ Birdwood Avenue
- Cook Avenue/ Gwea Avenue/ Astrolabe Road
- Haig Avenue/ Gwea Avenue.

The assessment indicated that the above key intersections surrounding the site currently operate well at level of service A with minimal queues and delays on all approaches during weekday peak periods. The degree of saturation at all intersections were typically less than 0.1 indicating the intersections currently

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<sup>3</sup> Given the nature of sporting events, players, parents and spectators are likely to arrive together hence resulting in a higher average car occupancy to the Sydney average car occupancy rate.

**Reference: NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT**

have significant capacity. Site observations on the day of the car parking surveys indicates similar performance across a typical Saturday.

Peak traffic demand associated with events with up to 400 attendees at any one time is expected to occur outside of road network peak periods, given weekday event start times would typically occur earlier in the morning and event finish times would typically occur in the afternoon, similarly for weekend events.

Based on the operational and travel mode assumptions above, events with up to 400 attendees at any one time are anticipated to generate up to 160 vehicle trips before and after any event. Given the existing spare capacity of each intersection, these volumes are able to be easily accommodated in the surrounding road network with minimal impact to key intersection performance.

## **Overview Special Event Transport Management Plan**

The Development Application sought to enable public games to be held at the NSW Rugby Centre of Excellence site, with a total attendance of up to 1,000 attendees at any one time (participants and spectators). The DA recommended a Special Event Transport Management Plan (SETMP) be prepared in consultation with Council to manage parking and traffic demand associated with events that comprised up to 1,000 attendees.

As part of the response to submissions process, the project team has reduced the maximum event size to up to 400 attendees at any one time. As such, a SETMP is not required.

## **Conclusion**

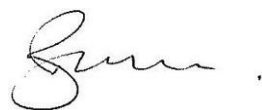
With the Development Application proposing to permit public events, the surrounding road network is expected to be capable of accommodating the car parking demand and traffic generated by events where total participants and spectators amount to fewer than 400 people at any one time.

Further, the site is clearly suitable for such events, recognising the grandstand capacity of 300 spectators and noting this is consistent with the grandstand capacity for the previous permanent facility approved under DA 10/175 in 2010. As such, the development proposes no significant changes to previous operations and hence is able to accommodate events up to 400 people at any one time in existing on-street parking while maintaining good intersection operation.

I trust this provides the information you require. Should you have any questions or require any further information, please do not hesitate to contact me on (02) 8448 1800.

Yours sincerely,

**STANTEC AUSTRALIA PTY LTD**



**Rhys Hazell**  
Senior Principal Transportation Planner

Attachment 1: Parking Demand Assessment

**Reference:** NSW RUGBY CENTRE OF EXCELLENCE –TRAFFIC AND PARKING ASSESSMENT

# **ATTACHMENT 1**

## **Parking Demand Assessment**

<b>Client</b>	Stantec Australia Pty Ltd
<b>Date</b>	Saturday, 15 October 2022
<b>Time</b>	8:00-20:00
<b>Description</b>	Daceyville Parking Survey



\*overparking

Street Name	Side of Street	Between	Restriction	Applicable Hours	Supply	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Cook Ave	East	Wills Cres & Gwea Ave	No Restriction		23	9	7	6	7	8	8	8	8	8	8	8	5	6
	West	Astrolabe Rd & Boussole Rd	No Restriction		10	2	2	2	2	1	2	3	3	3	3	3	1	2
		Boussole Rd & Wills Cres	No Restriction		12	6	5	6	7	5	6	6	6	6	5	7	6	7
Total					45	17	14	14	16	14	16	17	17	16	18	17	13	15
% Capacity						38%	31%	31%	36%	31%	36%	38%	38%	36%	40%	38%	29%	33%
Boussole Rd	East	House No.22 & Cook Ave	No Restriction		22	9	9	9	8	10	9	7	9	6	5	5	5	6
	West	Cook Ave & opp House No.22	No Restriction		23	11	11	12	11	10	10	10	10	11	10	10	12	12
Total					45	20	20	21	19	20	19	17	19	17	15	15	17	18
% Capacity						44%	44%	47%	42%	44%	42%	38%	42%	38%	33%	33%	38%	40%
Astrolabe Rd	South	Cook Ave & Isaac Smith St	No Restriction		16	3	2	2	2	2	2	2	2	4	4	4	6	5
			No Stopping															
	West	Isaac Smith St & House No.51	No Restriction		8	5	3	3	2	2	2	3	2	3	2	3	3	3
			East	opp House No.51 & Isaac Smith St	No Restriction		6	4	4	4	4	4	5	4	3	2	2	2
	Disabled				1	1	1	1	1	1	1	1	1	1	1	1	1	
	No Restriction				2	2	1	1	2	1	1	2	2	2	2	2	2	
	No Stopping																	
North	Isaac Smith St & Cook Ave	No Restriction		11	6	7	6	3	3	4	7	7	8	6	4	6	5	
Total					44	21	18	17	14	13	14	19	18	21	17	16	20	21
% Capacity						48%	41%	39%	32%	30%	32%	43%	41%	48%	39%	36%	45%	48%
Isaac Smith St	North	opp House No.25 & Astrolabe Rd	No Restriction		13	3	5	6	6	6	6	7	7	9	8	7	7	8
	South	Astrolabe Rd & House No.25	No Restriction		24	7	8	7	5	5	5	4	4	4	5	5	5	5
Total					37	10	13	13	11	11	11	11	11	13	13	12	12	13
% Capacity						27%	35%	35%	30%	30%	30%	30%	30%	35%	35%	32%	32%	35%
Astrolabe Car Park	East	Gwea Ave & No Through Rd	No Stopping															
			Illegal Parking on Grass		9	3	3	6	3	4	3	5	6	5	3	0	0	0
			No Restriction		8	0	0	2	0	1	1	1	1	1	3	1	2	0
	West	No Through Rd & Astrolabe Rd	No Restriction		2	1	1	1	2	2	2	1	1	2	0	1	1	1
			Disabled		2	0	1	0	0	0	0	1	1	0	1	0	0	0
			No Restriction		5	0	1	3	2	2	1	0	0	1	2	2	0	0
			No Stopping															
			No Restriction		46	30	32	30	30	32	29	22	24	23	23	4	4	0
			No Stopping															
No Restriction		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	No Stopping																	
Total					74	34	38	42	37	41	36	30	33	32	32	8	7	1
% Capacity						46%	51%	57%	50%	53%	49%	41%	45%	43%	43%	11%	9%	1%
Banks Ave	East	Joffre Cres & off st parking lot entrance	No Stopping															
			No Restriction		24	8	3	8	3	10	22	22	15	7	2	2	0	1
			No Stopping															
		off st parking lot entrance & off st parking lot exit	No Restriction		13	0	0	0	0	0	10	13	11	0	0	0	0	0
			No Stopping															
		Parking lot exit & Birdwood Ave	No Stopping															
			No Restriction		10	1	1	0	3	7	10	10	7	3	0	0	6	6
		Birdwood Ave & Prince Edward Cir	No Restriction		17	2	2	2	2	3	12	13	8	5	5	5	5	4
	No Stopping																	
	West	opp Prince Edward Cir & Gwea Ave	No Restriction		19	4	3	3	3	9	12	15	10	4	3	2	2	2
			No Stopping															
			No Restriction		49	6	14	19	34	45	49	48	40	26	13	7	28	25
			Disabled		2	1	0	0	0	1	1	2	1	0	0	0	0	0
			No Restriction		8	2	3	3	5	8	8	8	6	4	3	1	1	0
			No Stopping															
No Restriction				4	0	0	0	2	3	4	4	3	0	0	0	0	0	
No Stopping																		

		Gwea Ave & Wills Cres	No Restriction		13	6	2	7	4	11	12	13	8	2	0	1	0	0	
			No Parking	wedding and funeal vehicles excepted	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			Disabled		1	0	0	1	0	0	0	1	1	0	0	0	0	0	0
			No Restriction		9	5	1	8	0	3	9	9	3	1	0	0	0	0	0
			No Stopping																
Total					171	35	29	51	57	100	149	158	113	52	26	18	42	38	
% Capacity						20%	17%	30%	33%	58%	87%	92%	66%	30%	15%	11%	25%	22%	
Gwea Ave	North	Cook Ave & Haig Ave	No Restriction		3	1	1	2	2	2	0	4	4	1	1	1	1	2	
			Bus Zone	10am-2:30pm(Mon-Fri)	4	1	1	2	3	3	3	4	3	1	0	0	0	0	0
			No Restriction		7	5	5	5	4	4	7	7	4	4	1	1	0	1	
		Haig Ave & Banks Ave	No Restriction		16	3	2	5	6	14	16	18	13	9	5	2	2	3	
	South	Banks Ave & Cook Ave	No Restriction		36	4	5	8	8	20	38	38	27	11	4	3	3	2	
			No Stopping																
Total					66	14	14	22	23	43	64	71	51	26	11	7	6	8	
% Capacity						21%	21%	33%	35%	65%	97%	108%	77%	39%	17%	11%	9%	12%	
Haig Ave	East	No Through Rd & Wills Cres	Narrow Lane																
		Wills Cres & Gwea Ave	No Stopping																
			No Restriction		6	0	0	0	0	0	0	0	0	0	0	0	0	0	
			No Parking	8am-9:30am & 2:30pm-4pm(School days)	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Stopping	8am-9:30am & 2:30pm-4pm(School days)	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction		13	1	1	1	2	2	11	11	9	4	1	1	1	1	
	West	Gwea Ave & Wills Cres	No Restriction		8	0	0	0	0	0	0	6	6	4	0	0	0	0	
			No Stopping	8am-9:30am & 2:30pm-4pm(School days)	4	2	1	1	1	0	1	2	2	1	1	0	0	0	0
			No Restriction		11	1	2	2	1	1	1	1	1	1	2	3	2	4	
			No Stopping																
	Wills Cres & No Through Rd	Narrow Lane																	
Total					52	4	4	4	4	3	13	20	18	10	4	4	3	5	
% Capacity						8%	8%	8%	8%	6%	25%	38%	35%	19%	8%	8%	6%	10%	
Wills Cres	North	Cook Ave & Haig Ave	No Restriction		12	5	5	4	4	3	3	2	2	2	2	3	2	2	
		Haig Ave & Banks Ave	No Restriction		10	6	6	5	4	4	6	5	6	6	7	7	8	6	
	South	Banks Ave & Haig Ave	No Restriction		7	0	0	0	0	0	0	0	0	0	0	0	0	0	
			No Stopping																
		Haig Ave & Cook Ave	No Stopping																
			No Restriction		10	2	2	1	1	1	1	2	2	2	2	2	2	2	2
Total					39	13	13	10	9	8	10	9	10	10	11	12	12	10	
% Capacity						33%	33%	26%	23%	21%	26%	23%	26%	26%	28%	31%	31%	26%	
Birdwood Ave	North	Banks Ave & Prince Edward Cir	No Stopping																
			No Restriction		13	1	1	2	4	8	12	12	6	4	2	3	1	0	
	South	Prince Edward Cir & Banks Ave	No Restriction		7	1	1	2	1	6	8	8	10	6	1	1	1	1	
Total					20	2	2	4	5	14	20	20	16	10	3	4	2	1	
% Capacity						10%	10%	20%	25%	70%	100%	100%	80%	50%	15%	20%	10%	5%	
Off St Parking		on Banks Ave East Side	Motor Bikes only		2	0	0	0	0	0	0	0	0	0	0	0	0	0	
			No Restriction	45 angle parking rear to kerb	26	10	8	7	18	26	26	26	17	9	3	3	3	3	
			No Restriction		15	2	3	4	5	15	15	14	12	9	2	4	6	5	
Total					43	12	11	11	23	41	41	40	29	18	5	7	9	8	
% Capacity						28%	26%	26%	53%	95%	95%	93%	67%	42%	12%	16%	21%	19%	
Prince Edward Cir	North	Birdwood Ave & Bunnerong Rd	No Restriction		27	8	9	10	13	18	25	25	20	13	4	5	3	1	
	South	Birdwood Ave & Bunnerong Rd	No Restriction		26	7	5	6	5	14	20	20	16	10	3	4	6	8	
Total					53	15	14	16	18	32	45	45	36	23	7	9	9	9	
% Capacity						28%	26%	30%	34%	60%	85%	85%	68%	43%	13%	17%	17%	17%	
Off St Parking		on Prince Edward Cir North Side	No Restriction		35	2	2	3	4	11	16	16	13	8	2	3	2	0	
Total					35	2	2	3	4	11	16	16	13	8	2	3	2	0	
% Capacity						6%	6%	9%	11%	31%	46%	46%	37%	23%	6%	9%	6%	0%	



\*overparking

Street Name	Side of Street	Between	Restriction	Applicable Hours	Supply	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Cook Ave	East	Wills Cres & Gwea Ave	No Restriction		23	6	7	6	7	7	9	9	9	6	6	6	6	7
	West	Astrolabe Rd & Boussole Rd	No Restriction		10	3	3	3	4	3	3	3	4	4	3	2	3	2
		Boussole Rd & Wills Cres	No Restriction		12	6	6	7	8	9	8	9	9	9	8	6	5	7
Total					45	15	16	16	19	19	20	21	22	19	17	14	14	16
% Capacity						33%	36%	36%	42%	42%	44%	47%	49%	42%	38%	31%	31%	36%
Boussole Rd	East	House No.22 & Cook Ave	No Restriction		22	8	8	8	8	7	7	8	9	8	9	10	12	10
	West	Cook Ave & opp House No.22	No Restriction		23	9	10	10	10	9	10	13	13	11	11	11	12	12
Total					45	17	18	18	18	16	17	21	22	19	20	21	24	22
% Capacity						38%	40%	40%	40%	36%	38%	47%	49%	42%	44%	47%	53%	49%
Astrolabe Rd	South	Cook Ave & Isaac Smith St	No Restriction		16	4	4	3	5	5	5	4	4	3	4	4	4	4
			No Stopping															
	West	Isaac Smith St & House No.51	No Restriction		8	3	3	5	4	4	4	4	5	5	3	3	4	4
	East	opp House No.51 & Isaac Smith St	No Restriction		6	3	3	3	3	3	3	4	4	4	3	3	4	6
			Disabled		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			No Restriction		2	2	2	2	2	1	1	1	2	2	2	2	2	2
			No Stopping											1			1	
North	Isaac Smith St & Cook Ave	No Restriction		11	5	6	4	4	3	4	4	3	4	3	1	3	2	
Total					44	18	19	18	19	17	18	18	19	20	16	14	19	19
% Capacity						41%	43%	41%	43%	39%	41%	41%	43%	45%	36%	32%	43%	43%
Isaac Smith St	North	opp House No.25 & Astrolabe Rd	No Restriction		13	8	8	6	5	7	7	8	9	7	7	7	8	8
			No Stopping															
	South	Astrolabe Rd & House No.25	No Restriction		24	6	6	6	6	9	9	10	9	5	8	6	5	5
Total					37	14	14	12	11	16	16	18	18	12	15	13	13	13
% Capacity						38%	38%	32%	30%	43%	43%	49%	49%	32%	41%	35%	35%	35%
Astrolabe Car Park	East	Gwea Ave & No Through Rd	No Stopping															
			Illegal Parking on Grass		9	2	3	4	6	6	6	7	9	7	7	0	0	0
			No Restriction		8	1	1	1	2	1	0	0	0	0	2	4	1	2
	West	No Through Rd & Astrolabe Rd	No Restriction		2	0	1	1	1	0	1	2	1	1	1	1	0	1
			Disabled		2	0	0	2	1	0	0	0	0	0	0	0	0	0
			No Restriction		5	1	2	2	2	0	1	2	0	0	1	0	0	0
			No Stopping															
			No Restriction		46	13	22	26	22	22	23	26	25	21	22	1	2	0
			No Stopping															
			Disabled		2	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Stopping															
Total					74	17	29	36	34	29	31	37	35	29	33	6	3	3
% Capacity						23%	39%	49%	46%	39%	42%	50%	47%	39%	45%	8%	4%	4%
Banks Ave	East	Joffre Cres & off st parking lot entrance	No Stopping															
			No Restriction		24	1	1	5	5	5	1	1	0	0	12	0	0	0
			No Stopping															
		off st parking lot entrance & off st parking lot exit	No Restriction		13	1	1	0	0	0	0	0	1	1	0	0	0	0
			No Stopping															
		Parking lot exit & Birdwood Ave	No Stopping															
			No Restriction		10	7	7	7	5	5	1	1	1	1	2	1	1	0
	Birdwood Ave & Prince Edward Cir	No Restriction		17	2	2	2	4	6	5	5	5	5	2	2	3	3	
		No Stopping																
		No Restriction		19	4	4	5	8	11	11	11	11	11	10	3	4	3	3
	West	opp Prince Edward Cir & Gwea Ave	No Stopping															
			No Restriction	90 angle parking	49	22	27	22	17	19	15	18	30	27	19	8	8	7
			Disabled	90 angle parking	2	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction	90 angle parking	8	2	6	1	0	0	0	1	0	0	0	0	0	0
		Gwea Ave & Wills Cres	No Stopping															
			No Restriction		4	0	0	1	1	0	0	1	3	2	1	0	0	0
			No Stopping															
No Restriction				13	0	0	1	1	1	2	2	1	3	10	0	0	0	
No Parking			wedding and funeal vehicles excepted	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Disabled				1	0	0	0	0	0	0	0	0	0	1	0	0	0	

			No Restriction		9	0	0	0	0	0	0	0	0	8	0	0	0	
			No Stopping															
Total					171	39	48	44	41	47	35	40	52	49	58	15	15	13
% Capacity						23%	28%	26%	24%	27%	20%	23%	30%	29%	34%	9%	9%	8%
Gwea Ave	North	Cook Ave & Haig Ave	No Restriction		3	2	2	2	2	2	2	1	2	1	1	1	1	1
			Bus Zone	10am-2:30pm(Mon-Fri)	4	1	1	1	3	3	2	3	3	2	2	2	2	1
		Haig Ave & Banks Ave	No Restriction	7	3	3	5	6	6	4	4	4	2	2	1	1	1	1
	South	Banks Ave & Cook Ave	No Restriction	16	3	3	2	2	5	2	2	3	4	2	2	2	2	3
			No Restriction	36	16	16	15	14	13	8	3	8	7	6	4	4	4	4
		No Stopping																
Total					66	25	25	25	27	29	18	13	20	17	13	10	10	10
% Capacity						38%	38%	38%	41%	44%	27%	20%	30%	26%	20%	15%	15%	15%
Haig Ave	East	No Through Rd & Wills Cres	Narrow Lane															
		Wills Cres & Gwea Ave	No Stopping															
			No Restriction	6	0	0	1	1	1	0	0	0	0	0	0	0	0	
			No Parking	8am-9:30am & 2:30pm-4pm(School days)	4	0	0	0	0	0	0	0	0	0	0	0	0	
			No Stopping	8am-9:30am & 2:30pm-4pm(School days)	6	0	0	0	0	2	1	1	1	0	0	0	0	
	West	Gwea Ave & Wills Cres	No Restriction	13	1	1	2	2	2	0	1	1	1	1	1	2	1	1
			No Restriction	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
			No Stopping	8am-9:30am & 2:30pm-4pm(School days)	4	0	0	0	0	0	1	1	1	1	1	2	2	2
			No Restriction	11	3	3	2	3	3	3	2	2	2	2	2	2	1	
		Wills Cres & No Through Rd	No Stopping															
Narrow Lane																		
Total					52	4	4	5	6	8	5	5	5	4	4	6	5	4
% Capacity						8%	8%	10%	12%	15%	10%	10%	10%	8%	8%	12%	10%	8%
Wills Cres	North	Cook Ave & Haig Ave	No Restriction		12	4	4	3	3	1	2	3	4	4	3	6	6	6
		Haig Ave & Banks Ave	No Restriction	10	6	6	4	3	4	2	3	3	3	6	7	5	6	
	South	Banks Ave & Haig Ave	No Restriction	7	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			No Stopping															
		Haig Ave & Cook Ave	No Stopping															
			No Restriction	10	2	2	1	1	1	2	2	2	2	2	2	2	2	2
Total					39	12	12	8	7	6	6	8	9	9	12	15	13	14
% Capacity						31%	31%	21%	18%	15%	15%	21%	23%	23%	31%	38%	33%	36%
Birdwood Ave	North	Banks Ave & Prince Edward Cir	No Stopping															
	No Restriction		13	8	8	5	4	4	4	5	7	5	5	2	1	0		
	South	Prince Edward Cir & Banks Ave	No Restriction		7	2	6	6	4	4	5	3	6	6	4	1	1	1
Total					20	10	14	11	8	8	9	8	13	11	9	3	2	1
% Capacity						50%	70%	55%	40%	40%	45%	40%	65%	55%	45%	15%	10%	5%
Off St Parking		on Banks Ave East Side	Motor Bikes only		2	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction	45 angle parking rear to kerb	26	26	26	9	12	11	3	12	14	17	6	0	1	1
			No Restriction		15	14	15	6	2	2	1	7	10	10	2	2	2	1
Total					43	40	41	15	14	13	4	19	24	27	8	2	3	2
% Capacity						93%	95%	35%	33%	30%	9%	44%	56%	63%	19%	5%	7%	5%
Prince Edward Cir	North	Birdwood Ave & Bunnerong Rd	No Restriction		27	11	15	12	9	9	10	9	14	12	10	3	2	1
	South	Birdwood Ave & Bunnerong Rd	No Restriction		26	13	18	14	10	10	12	10	17	14	12	4	5	7
Total					53	24	33	26	19	19	22	19	31	26	22	7	7	8
% Capacity						45%	62%	49%	36%	36%	42%	36%	58%	49%	42%	13%	13%	15%
Off St Parking		on Prince Edward Cir North Side	No Restriction		35	6	8	7	5	5	5	5	8	7	5	2	1	0
Total					35	6	8	7	5	5	5	5	8	7	5	2	1	0
% Capacity						17%	23%	20%	14%	14%	14%	14%	23%	20%	14%	6%	3%	0%

<b>Client</b>	Stantec Australia Pty Ltd
<b>Date</b>	Tuesday, 18 October 2022
<b>Time</b>	8:00-20:00
<b>Description</b>	Daceyville Parking Survey



\*overparking

Street Name	Side of Street	Between	Restriction	Applicable Hours	Supply	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00
Cook Ave	East	Wills Cres & Gwea Ave	No Restriction		23	6	6	8	8	9	9	5	5	5	4	7	5	5
	West	Astrolabe Rd & Boussole Rd	No Restriction		10	2	3	1	1	2	2	2	2	2	2	2	2	2
		Boussole Rd & Wills Cres	No Restriction		12	3	3	3	4	4	4	4	4	4	4	4	4	4
Total					45	11	12	12	13	15	15	11	11	11	10	13	11	11
% Capacity						24%	27%	27%	29%	33%	33%	24%	24%	24%	22%	29%	24%	24%
Boussole Rd	East	House No.22 & Cook Ave	No Restriction		22	10	10	8	7	5	5	6	7	7	5	7	9	9
	West	Cook Ave & opp House No.22	No Restriction		23	10	11	11	10	8	6	8	8	9	12	15	14	15
Total					45	20	21	19	17	13	11	14	15	16	17	22	23	24
% Capacity						44%	47%	42%	38%	29%	24%	31%	33%	36%	38%	49%	51%	53%
Astrolabe Rd	South	Cook Ave & Isaac Smith St	No Restriction		16	1	1	1	4	6	6	2	2	2	2	2	2	2
			No Stopping															
	West	Isaac Smith St & House No.51	No Restriction		8	2	2	2	2	2	2	2	2	2	3	4	4	4
	East	opp House No.51 & Isaac Smith St	No Restriction		6	3	3	3	2	1	1	4	4	3	3	2	2	3
			Disabled		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			No Restriction		2	1	1	0	0	0	0	0	0	0	2	2	2	2
			No Stopping															
	North	Isaac Smith St & Cook Ave	No Restriction		11	4	4	3	4	5	6	4	4	3	4	4	4	4
Total					44	12	12	10	13	15	16	13	13	11	16	16	15	16
% Capacity						27%	27%	23%	30%	34%	36%	30%	30%	25%	36%	36%	34%	36%
Isaac Smith St	North	opp House No.25 & Astrolabe Rd	No Restriction		13	5	5	6	6	5	5	5	5	6	4	4	6	6
	South	Astrolabe Rd & House No.25	No Restriction		24	6	5	5	5	4	4	4	4	3	3	3	4	4
Total					37	11	10	11	11	9	9	9	9	9	7	7	10	10
% Capacity						30%	27%	30%	30%	24%	24%	24%	24%	24%	19%	19%	27%	27%
Astrolabe Car Park	East	Gwea Ave & No Through Rd	No Stopping															
			Illegal Parking on Grass		9	0	0	1	1	0	0	0	0	0	1	0	1	1
			No Restriction		8	0	1	2	2	2	1	0	0	3	2	1	0	
	West	No Through Rd & Astrolabe Rd	No Restriction		2	1	1	2	2	1	1	1	1	0	0	0	0	0
			Disabled		2	0	0	1	1	0	0	0	1	0	0	0	0	0
			No Restriction		5	2	2	4	4	5	5	0	1	1	1	1	0	1
			No Stopping															
			No Restriction		46	7	9	12	13	14	14	12	12	10	3	2	0	0
			No Stopping															
		Disabled		2	0	0	0	0	0	0	0	0	0	0	0	0	0	
		No Stopping																
Total					74	10	13	22	23	22	22	14	14	12	8	5	2	2
% Capacity						14%	18%	30%	31%	30%	30%	19%	19%	16%	11%	7%	3%	3%
Banks Ave	East	Joffre Cres & off st parking lot entrance	No Stopping															
			No Restriction		24	4	4	4	2	2	2	10	7	3	1	1	0	0
		off st parking lot entrance & off st parking lot exit	No Stopping		13	0	0	2	1	1	1	0	3	3	5	3	5	5
			No Stopping															
		Parking lot exit & Birdwood Ave	No Stopping															
			No Restriction		10	5	5	3	4	5	4	4	4	4	5	6	10	9
		Birdwood Ave & Prince Edward Cir	No Restriction		17	2	2	3	3	3	2	3	3	2	3	3	4	4
			No Stopping															
	West	opp Prince Edward Cir & Gwea Ave	No Restriction		19	3	2	2	2	2	3	3	3	3	3	3	3	3
			No Stopping															
			No Restriction		49	26	22	25	25	24	24	26	27	35	40	45	45	36
			Disabled		2	0	0	0	0	0	0	0	0	0	0	1	1	1
		Gwea Ave & Wills Cres	No Restriction		8	1	0	3	5	4	5	5	4	6	5	4	7	4
No Stopping																		
No Restriction			4	0	1	2	2	1	2	2	0	0	2	0	4	3		
No Stopping																		
		No Restriction		13	4	3	1	1	1	2	7	1	1	0	0	1	1	
		No Parking		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

			Disabled		1	0	0	0	0	0	0	1	0	0	0	0	0	
			No Restriction		9	2	2	3	3	3	3	4	4	2	0	0	0	
			No Stopping															
Total					171	47	41	48	49	46	48	65	56	59	64	66	80	
% Capacity						27%	24%	28%	29%	27%	28%	38%	33%	35%	37%	39%	47%	39%
Gwea Ave	North	Cook Ave & Haig Ave	No Restriction		3	2	3	4	4	3	4	4	2	2	1	0	0	
			Bus Zone	10am-2:30pm(Mon-Fri)	4	1	1	0	0	0	0	2	1	3	3	2	2	
			No Restriction		7	4	7	7	7	7	6	7	4	3	0	0	0	0
		Haig Ave & Banks Ave	No Restriction		16	4	8	10	9	8	8	8	7	5	6	10	8	10
	South	Banks Ave & Cook Ave	No Restriction		36	16	21	20	23	23	22	16	8	10	12	10	7	6
			No Stopping															
Total					66	27	40	41	43	41	40	35	23	21	22	23	17	
% Capacity						41%	61%	62%	65%	62%	61%	53%	35%	32%	33%	35%	26%	27%
Haig Ave	East	No Through Rd & Wills Cres	Narrow Lane															
		Wills Cres & Gwea Ave	No Stopping															
			No Restriction		6	0	0	0	0	0	0	2	1	1	1	0	0	0
			No Parking	8am-9:30am & 2:30pm-4pm(School days)	4	0	0	0	0	0	0	0	0	0	0	0	0	0
			No Stopping	8am-9:30am & 2:30pm-4pm(School days)	6	0	0	0	0	1	0	0	0	0	0	1	1	0
	West	Gwea Ave & Wills Cres	No Restriction		13	8	11	11	11	11	12	11	11	10	3	1	1	1
			No Stopping		8	6	8	8	7	8	8	7	7	3	0	0	0	0
			No Stopping	8am-9:30am & 2:30pm-4pm(School days)	4	0	0	1	0	0	0	0	0	0	0	0	0	0
			No Restriction		11	4	4	4	4	3	3	2	2	1	1	1	2	2
			No Stopping															
		Wills Cres & No Through Rd	Narrow Lane															
Total					52	18	23	24	22	23	23	22	21	15	5	3	4	
% Capacity						35%	44%	46%	42%	44%	44%	42%	40%	29%	10%	6%	8%	
Wills Cres	North	Cook Ave & Haig Ave	No Restriction		12	5	4	3	4	4	4	3	4	4	6	6	6	
		Haig Ave & Banks Ave	No Restriction		10	6	4	4	4	4	4	4	4	5	7	6	7	6
	South	Banks Ave & Haig Ave	No Restriction		7	3	3	3	3	4	3	4	2	1	0	0	0	0
			No Stopping															
		Haig Ave & Cook Ave	No Stopping															
Total					10	2	1	1	1	0	0	1	1	1	1	0	1	
% Capacity						41%	31%	28%	31%	31%	28%	31%	28%	28%	36%	33%	33%	
Birdwood Ave	North	Banks Ave & Prince Edward Cir	No Stopping															
			No Restriction		13	6	6	4	4	5	3	3	5	7	6	5	0	0
	South	Prince Edward Cir & Banks Ave	No Restriction		7	4	4	2	3	3	2	3	2	1	2	4	3	3
Total					20	10	10	6	7	8	5	6	7	8	8	9	3	
% Capacity						50%	50%	30%	35%	40%	25%	30%	35%	40%	40%	45%	15%	
Off St Parking		on Banks Ave East Side	Motor Bikes only		2	0	0	0	0	0	0	1	0	0	0	0	0	
			No Restriction		26	8	3	2	5	2	2	2	4	4	14	9	9	11
			No Restriction		15	3	3	3	2	2	2	3	3	6	9	6	9	7
Total					43	11	6	5	7	4	4	6	7	10	23	15		
% Capacity						26%	14%	12%	16%	9%	9%	14%	16%	23%	53%	35%		
Prince Edward Cir	North	Birdwood Ave & Bunnerong Rd	No Restriction		27	5	5	5	3	2	2	2	4	7	5	6	4	
	South	Birdwood Ave & Bunnerong Rd	No Restriction		26	8	7	6	6	5	4	4	4	5	5	6	7	
Total					53	13	12	11	9	7	6	6	8	12	10	12		
% Capacity						25%	23%	21%	17%	13%	11%	11%	15%	23%	19%	23%		
Off St Parking		on Prince Edward Cir North Side	No Restriction		35	0	0	0	0	0	0	0	3	5	2	6	7	
Total					35	0	0	0	0	0	0	0	3	5	2	6	7	
% Capacity						0%	0%	0%	0%	0%	0%	0%	9%	14%	6%	17%		