Appendix E

**Transport Impact Assessment** 





## 7-33 Water Street, Strathfield South Planning Proposal/Pre-Gateway Transport Impact Assessment

Client //RJ Green & Lloyd Pty Limited<br/>and Westport Pty LtdOffice //NSWReference //14S1453000Date //02/03/16

### 7-33 Water Street, Strathfield South

### Planning Proposal/Pre-Gateway

### Transport Impact Assessment

Issue: B 02/03/16

Client: RJ Green & Lloyd Pty Limited and Westport Pty Ltd Reference: 14S1453000 GTA Consultants Office: NSW

Quality Record

Issue	Date	Description	Prepared By	Checked By	Approved By	Signed
А	11/02/16	Final	Ken Hollyoak	Ken Hollyoak	Ken Hollyoak	Ken Hollyoak
В	02/03/16	Final	Ken Hollyoak	Ken Hollyoak	Ken Hollyoak	Kit Huy-C

© GTA Consultants (GTA Consultants (NSW) Pty Ltd) 2016 The information contained in this document is confidential and intended solely for the use of the client for the purpose for which it has been prepared and no representation is made or is to be implied as being made to any third party. Use or copying of this document in whole or in part without the written permission of GTA Consultants constitutes an infringement of copyright. The intellectual property contained in this document remains the property of GTA Consultants.



## Table of Contents

1.	Introduction	1
2.	Existing Conditions	2
	2.1 Road Network	2
	2.2 Traffic Volumes	3
	2.3 Site Observations	3
	2.4 Public Transport	4
	2.5 Pedestrian & Cycle Infrastructure	5
3.	Development Proposal	6
4.	Car Parking	7
5.	Traffic Impact Assessment	8
6.	Conclusion	9

### Appendices

A: Proposed Indicative Layout Plans

### Figures

Figure 2.1:	Subject Site and Its Environs	2
Figure 2.2:	Bicycle Information	5

### Tables

Table 2.1:	Average Daily Traffic (ADT)	3
Table 2.2:	Train Frequencies	4
Table 2.3:	Bus Frequencies	4
Table 4.1:	Indicative Car Parking Requirements	7
Table 5.1:	Traffic Generation Estimates	8



## 1. Introduction

It is understood that RJ Green & Lloyd Pty Limited and Westport Pty Ltd is seeking to pursue the rezoning of the existing industrial land at 7-33 Water Street, Strathfield South.

It is proposed to develop the existing industrial site to accommodate a residential development with a basement level car park. For the purposes of this assessment, a yield of 361 apartments has been assumed.

GTA Consultants was commissioned by RJ Green & Lloyd Pty Limited and Westport Pty Ltd to provide pre-gateway traffic advice in relation to the above site.

The remainder of the report is set out as follows:

- Chapter 2 discusses the existing road network conditions surrounding the site
- Chapter 3 describes the proposed development
- Chapter 4 assesses the parking requirements
- Chapter 5 discusses the potential traffic impacts
- Chapter 6 presents the summary and conclusions of the investigation.

In preparing this report, reference has been made to the following:

- an inspection of the site and its surrounds
- Strathfield Municipal Council Part C of Strathfield Consolidated Development Control Plan (DCP), Multiple-Unit Housing
- Strathfield Municipal Council Part I of Strathfield Consolidated Development Control Plan (DCP), Provision of Off-Street Parking Facilities
- plans for the proposed development prepared by Robertson & Marks dated 27th January 2016.
- other documents and data as referenced in this report.



The subject site is located at 7-33 Water Street, Strathfield South. The site has a frontage of approximately 170m to Water Street. There are currently seven driveways within the 170m frontage along Water Street. The site is currently zoned "IN1" General Industrial under Strathfield Environmental Plan 2012.

The surrounding properties include industrial, low and medium density residential uses.

The location of the site and its surrounding environs is shown in Figure 2.1.



Figure 2.1: Subject Site and Its Environs

Reproduced with permission from Sydway Publishing Pty Ltd

### 2.1 Road Network

Water Street is a local road, which functions as a collector type road. It is a two-way road with one travelling lane in each direction.

Kerbside parking is generally permitted on both sides of the road. The posted speed limit is 50km/hr.

The following intersections currently exist in the vicinity of the site:

• Water Street/James Street (unsignalised)

14S1453000 // 02/03/16 Transport Impact Assessment // Issue: B 7-33 Water Street, Strathfield South, Planning Proposal/Pre-Gateway



• Water Street/Homebush Road/Dean Street (signalised).

### 2.2 Traffic Volumes

GTA Consultants obtained average daily traffic (ADT) figures from Roads and Maritime Services (RMS), Journey Information and Digital branch at the following locations:

- o 27.147 -Water Street, South Strathfield at Cooks River
- o 24.021 Punchbowl Road, South Enfield, east of Margaret Street
- 28.022 Hume Highway, Strathfield, west of Cosgrove Road.

The location of these count stations are also shown in Figure 2.1. Table 2.1 presents the ADTs for the above sites by year.

Year	RMS Count Stations				
rear	27.147 (Water St)	24.021 (Punchbowl Rd)	28.022 (Hume Hwy)		
2002	11,197	-	-		
2005	11,848	-	-		
2008	-	32,571	-		
2009	11,673	33,483	50,661		
2010	-	31,635	50,608		
2011	-	31,005	49,041		
2012	-	31,750	47,833		
2013	-	32,437	53,597		
2014	-	31,664	50,115		

Table 2.1: Average Daily Traffic (ADT)

Table 2.1 indicates that the average daily flows at Water Street have fluctuated over the years. However in general, the traffic volumes at the above sites have remained at a similar level or decreased at a rate of about 0.5 percent per annum between 2008 and 2014.

### 2.3 Site Observations

The key issues observed during the weekday afternoon site visit are as follows:

- Unrestricted street parking is available along Water Street and James Street, except along the bus zone on Water Street in both directions.
- On street parking was generally not occupied along the western side of Water Street.
- About 40 percent of street parking was occupied along the eastern side of Water Street, south of James Street during the weekday afternoon.
- All street parking was occupied along the eastern side of Water Street, north of James Street.
- On street parking was generally available on James Street and William Street during the weekday afternoon periods (about 30 percent was occupied).
- During the afternoon site visit, the southbound traffic was observed to be significantly heavier than the northbound traffic. The peak period observed was between 5:10pm and 5:40pm. After 5:45pm, the traffic volumes declined considerably.
- The signalised intersection at Water Street-Dean Street was also observed to be operating satisfactorily.



### 2.4 Public Transport

### Railway Station

The nearest railway station is Belmore Station, located approximately 2.6km drive from the site via Water Street/Burwood Road. There are a number of other stations located nearby, which are:

- Homebush Station 3.4km from the site
- Strathfield Station 3.5km from the site.

The frequency of the current train services at the above stations are provided in Table 2.2.

		Frequency				
Station	Route Description	Weekday AM Peak (7-9am)	Weekday PM Peak (4-6pm)	Weekday off-peak		
T3 Bankstown	1 line					
Belmore	To City	Every 5-10 mins	Every 10-15 mins	Every 15 mins		
Belmore	From City	Every 5-10 mins	Every 15 mins	Every 15 mins		
T2 Inner West	& South line					
Homebush	To City	Every 15 mins	Every 15 mins	Every 15 mins		
Homebush	From City	Every 15 mins	Every 15 mins	Every 15 mins		
T2 Airport, Inr	ner West & South line					
Strathfield	To City	Every 5 mins	Every 5-15 mins	Every 15 mins		
Strathfield	From City	Every 5-10 mins	Every 5-15 mins	Every 15 mins		
T1 North Shor	e, Northern & Western line					
Strathfield	To City	Every 5 mins	Every 5 mins	Every 5-10 mins		
Strathfield	From City	Every 5-10 mins	Every 5 mins	Every 5 mins		

Table 2.2: Train Frequencies

Table 2.2 indicates that a good level of train services to and from the City is provided at the above train stations. However, these stations are not located within the walking distance to and from the site.

### Bus Service

Punchbowl Bus Company operates the bus route 450, Hurstville to Burwood with peak services operating to Sydney Olympic Park.

Bus stops are located on Water Street, just south of William Street for northbound service and north of James Street for southbound service.

A review of the public transport available in the close vicinity of the site is summarised in Table 2.3.

Table 2.3: Bus Frequencies

		Frequency			
Route No.	Route Description	Weekday AM Peak (7-9am)	Weekday PM Peak (4-6pm)	Weekday off-peak	
450 – Hurstvill	e to Burwood				
	To Burwood & Sydney Olympic Park	Every 15 mins	Every 15 mins	Every 30 mins	
	To Hurstville	Every 15 mins	Every 15 mins	Every 30 mins	

Table 2.3 indicates that buses to and from Hurstville/Burwood are provided at 15-minute intervals during the morning and afternoon peak periods and 30-minute intervals during the off-peak period.



### 2.5 Pedestrian & Cycle Infrastructure

Pedestrian paths are located along both sides of Water Street.

The current Strathfield Council's bay to bay cycle path map indicates that the Cooks River Cycleway exists along the southern boundary of the site. Further information on the cycleway network is available from the NSW Cycleway Finder. Figure 2.2 shows the bicycle information for Strathfield South.



Figure 2.2: Bicycle Information

Source: Reproduced from NSW Cycleway Finder (http://www.bicycleinfo.nsw.gov.au/maps/cycleway\_finder.html) Figure 2.2 shows that the site has a reasonably good connectivity to the existing cycle facilities.



## 3. Development Proposal

The site is currently zoned "IN1" General Industrial under Strathfield Environmental Plan 2012. It is proposed to seek rezoning of the site to Medium Density Residential as recommended in the Strathfield Council's Land Use and Employment Strategy<sup>1</sup>, June 2010.

The proposal will involve demolition of the existing industrial buildings and construction of new residential buildings to accommodate about 361 residential units.

Vehicular access to and from the basement car park would be provided off Water Street via driveways located approximately 30m and 55m south of the James Street intersection. The existing seven driveways for the industrial sites would be removed to be replaced with two driveways to serve the proposed development.

The proposed car park would accommodate about 579 car parking spaces. The suitability of the car parking provision is discussed in Section 4 of this report.

A plan showing the indicative development plan is shown in Appendix A.

<sup>&</sup>lt;sup>1</sup> Strathfield at the Crossroads of Sydney, An Economic Land Use and Employment Strategy, Strathfield Council, June 2010



14\$1453000 // 02/03/16

## 4. Car Parking

The car parking provision requirements for residential flat buildings are set out in Strathfield Municipal Council Part C of Strathfield Consolidated Development Control Plan (DCP), Multiple-Unit Housing. The following minimum parking requirements are presented in this DCP:

- 1 bedroom dwelling 1 space/dwelling
- 2 bedroom dwelling 1.5 spaces/dwelling
- 3 or more bedroom dwelling 2 spaces/dwelling
- Visitor parking 1 space for every 5 dwellings or part thereof.

A review of the car parking requirement rates and the proposed mix results in a parking requirement for the proposed development is summarised in Table 4.1 below.

	÷ .			
Use	Size	Parking Rate	Parking Requirement	
1 bedroom dwelling	102	1 space/dwelling	102	
2 bedroom dwelling	229	1.5 spaces/dwelling	344	
3 bedroom dwelling	30	2 spaces/dwelling	60	
Visitor space		1 space/5 dwellings	73	
	Total			

Table 4.1: Indicative Car Parking Requirements

Based on the above, the proposed development is required to provide about 579 car parking spaces.

The development would provide this level of car parking to comply with Council's car parking requirements.

## 5. Traffic Impact Assessment

Traffic generation estimates for the existing industrial sites and the proposed residential development have been sourced from the RMS Guide to Traffic Generating Developments (2002). The following peak hour traffic generation rates are presented in the RMS Guide:

- Factories 1 vehicle trip per 100m<sup>2</sup> gross floor area
- Medium density residential flat building
  - o one or two bedrooms 0.4 to 0.5 vehicle trip per dwelling
  - three or more bedrooms 0.5 to 0.65 vehicles trip per dwelling.

With regard to the existing site, the total site area is 13191m<sup>2</sup>. The site is however not developed to a density of a modern industrial use. The current GLA of the buildings is only 3,815m<sup>2</sup>, which is only 28% of the site area. Any reuse of the site for industrial use would probably a minimum of 50% of the site area for GFA – that is approximately 6500m<sup>2</sup>.

Estimates of peak hour traffic volumes resulting from the proposal are set out in Table 5.1.

	Size	Traffic Gene	Vehicle Movements			
	5120	AM Peak PM Peak		AM Peak	PM Peak	
Industrial Use						
Factories	6,500m <sup>2</sup> GFA	1 veh trip /100m <sup>2</sup> GFA	1 veh trip /100m <sup>2</sup> GFA	65	65	
Proposed Use						
Desidential	331 One or two bedroom units	0.4 – 0.5 veh trips /unit	0.4 – 0.5 veh trips /unit	132-166 <b>Av 149</b>	132-166 <b>Av 149</b>	
Residential	30 Three bedroom 0.5 – 0.65 veh trips /unit		0.5 – 0.65 veh trips /unit	15-20 <b>Av 17</b>	15-20 <b>Av 17</b>	
Difference				+101	+101	

Table 5.1: Traffic Generation Estimates

The comparison of the traffic generation from an industrial use and proposed residential use as calculated in Table 5.1 indicates that the proposed development would generate about 101 additional vehicle trips during the peak hour compared to the existing use.

The residential development would generate at its peak approximately 2 and a half vehicles per minute which will be divided between its two access points. This is approximately 1.5 additional vehicles per minute compared to an industrial use of the site.

This increase is relatively minor and it is expected that the proposal would not have any adverse traffic impact on the road network in the vicinity of the site. However, it is anticipated that intersection modelling would be required in any subsequent development application to assess these impacts on nearby intersection.

It is also important to consider that the proposed residential development would generate predominantly light vehicle movements and these would replace the relatively high proportion of heavy vehicle movements generated by an industrial use. As the surrounding properties are generally low and medium density residential uses, the removal of heavy vehicle movements to and from the site would enhance the amenity of existing residents.



## 6. Conclusion

Based on the analysis and discussions presented within this report, the following conclusions are made:

- i The existing industrial buildings cover a site area of 13191m<sup>2</sup>.
- ii The site is however not developed to a density of a modern industrial use. The current GFA of the buildings is only 3,815m<sup>2</sup>, which is only 28% of the site area.
- iii Any reuse of the site for industrial use would probably result in a minimum of 50% of the site area being used as GFA – that is approximately 6500m<sup>2</sup>
- The site is currently zoned "IN1" General Industrial under Strathfield Environmental Plan
   2012. It is proposed to seek rezoning of the site to Medium Density Residential.
- v The proposal will involve demolition of the existing buildings and construct residential building accommodating 371 apartments.
- vi The vehicular access for the proposed development would be via two driveways off Water Street. This will replace the existing seven driveways used by industrial sites.
- vii The proposed development generates a statutory parking requirement of 579 spaces.
- viii Car parking would be provided to comply with Council's requirement.
- ix The residential development would generate approximately 2.5 vehicles per minute during the peak hour.
- x The comparison of the traffic generation from an industrial use and the proposed residential use indicates that the proposed development would generate about 101 additional vehicle trips during the peak hour compared to the existing use (which is approximately 1.5 vehicles per minute).
- xi Although the increase in additional vehicle trips is relatively minor, it is expected that that intersection modelling would be required in any subsequent development application to assess the impacts of the residential traffic on nearby intersections.
- xii The proposed residential development would generate predominantly light vehicle movements and these would replace the relatively high proportion of heavy vehicle movements generated by an industrial use. As the surrounding properties are generally low and medium density residential uses, the removal of heavy vehicle movements to and from the site would enhance the amenity for existing residents.

Appendix A

Appendix A

Proposed Indicative Layout Plans



















VISIONS			
<u>lssue</u>	<u>Date</u>	<u>Decription</u>	

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD

TRUE NORTH 

SCALE : 1 : 500 @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

R O B E R T S O N + M A R K S





\*DARK TONED TREES - EXISTING/ RETAINED



ARCHITECT

CLIENT



Ground Level 11-17 Buckingham St Surry Hills 2010 Australia **t.** (+61) 2 9319 4388 **e.** mail@marks.net.au **www.marks.net.au** ANDREW SCARVELIS • STEVEN COOK









<u>By</u>



REVISIONS Issue	Date	Decription	<u>В</u> у	7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD		DRAWING TITLE RENDERED VIEWS SCALE : 1 : 1000 @B1
						DATE : 27/01/16
				NOTES Dimensions - Contractors to check all dimensions on s	ite prior to commencing construction.	

Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number AC-102/A R O B E R T S O N + M A R K S





ARCHITECT

CLIENT



Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au ANDREW SCARVELIS • STEVEN COOK

ROBERTSON+MARKS

EST 1892



REVISIC Issue	)NS <sub>Date</sub>	Decription		<u>By</u>

REVISIONS Issue Date

Area Schedule (Gross Building)								
Name	Area							
		-						
PODIUM LANDSCAPE SITE B		4634 m²						
PODIUM LANDSCAPE SITE A		1182 m <sup>2</sup>						
DEEP SOIL SITE A		2247 m²						
DEEP SOIL SITE B		3212 m <sup>2</sup>						
CONSOLIDATED DEEP SOIL	28%							
SITE A	39%							
SITE B	24%							

# AND ving Number -103/A

<u>Decription</u>	<u>В</u> у	7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD		DRAWING TITLE COMMON OPEN DEEP SOIL SCALE : As indicated @B1 DATE : 27/01/16	SPACE AN Drawing AC-1
		NOTES Dimensions - Contractors to check all dimensions on site	e prior to commencing construction.		

ES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.









NORTH - SOUTH SECTION



## **BUILDING HEIGHTS AND MASS**

Developement is composed of 5 building blocks with levels ranging from 3 to 8 residential levels and a maximum of 3 basement parking levels.



## **BUILDING A**

## **BUILDING B**

		<b>1</b>	
RL 12500	8+-		
	<u>μ</u>		 NG
			 ١G
			 ١G
	RL 12500		

	REVISIONS Issue Date	Decription <u>E</u>	<u>By</u>	REVISIONS Issue	<u>Date</u>	Decription	<u>By</u>	STRATHFIELD & 25-33 WATER STREET,		DRAWING TITLE BUILDING HEIGHTS &
								STRATHFIELD		SCALE : 1 : 250 @B1 DATE : 27/01/16
oup								NOTES Dimensions - Contractors to check all dimensions on site prior to comme Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.	ncing construction.	ROBERTSON+



PLANNING	PRO
----------	-----

<b>•</b>
▼
▼ ▼
<ul> <li>▼</li> <li>▼</li> </ul>
50M
POSAL
MASS
Drawing Number AC-104/A
MARKS





TYPICAL FLOOR LAYOUT

## ARCHITECT ROBERTSON+MARKS EST 1892 Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au ANDREW SCARVELIS • STEVEN COOK

**Crown**Group

CLIENT

	REVISIONS Issue Date Decription	<u>Ву</u>	REVISIONS Issue	Date	Decription
מעכ					

SECTION B

## PLANNING PROPOSAL

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD



DRAWING TITLE

SCALE : @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number AC-105/A



## BASEMENT 1 & 2



BASEMENT 3





SITE A



SITE B

## BASEMENT PARKING & CUT AND FILL SCHEDULE

Site A: 3 Levels of parking

Site B: 2 Levels of parking

Cut and Fill Schedule								
Name	Cut	Fill	Net cut/fill					
Site A1	13068.24 m <sup>3</sup>	0.00 m³	-13068.24 m³					
Site A2	10052.49 m <sup>3</sup>	0.00 m <sup>3</sup>	-10052.49 m <sup>3</sup>					
Site B2	58586.89 m <sup>3</sup>	0.00 m <sup>3</sup>	-58586.89 m <sup>3</sup>					
			-81707.61 m <sup>3</sup>					

Cut and fill numbers are based on 3000mm floor to floor carpark heights

PLANNING PROI

VISIONS		
lssue	<u>Date</u>	<u>Decription</u>

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD



DRAWING TITLE BASEMENT PARKING

SCALE : 1 : 750 @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number AC-106/A						
Μ	А	R	K	S		



1 1 : 250





 $\begin{array}{c} \textbf{3} \\ \textbf{1:250} \end{array} \text{FRONT ELEVATION (WATER STREET)} \\ \end{array}$ 

CLIENT ARCHITECT ROBERTSON+MARKS EST 1892 Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au **Crown**Gro ANDREW SCARVELIS • STEVEN COOK

## **BUILDING C**



								PLA	ANNING PRO
	REVISIONS Issue Date Decription	<u>Ву</u>	REVISIONS Issue	<u>Date</u>	Decription	<u>В</u> у	7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET,		DRAWING TITLE SECTIONS
							STRATHFIELD		SCALE : As indicated @B1 DATE : 27/01/16
oup							NOTES Dimensions - Contractors to check all dimensions on site p Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved	rior to commencing construction. I.	ROBERTSON



I + M A R K S





CLIENT





## SOLAR PERCENTAGE CALCULATION:

SITE A = 70% OF UNITS SITE B = 73% OF UNITS

OVERALL = 71.5%



	REVISIC Issue	NS <sub>Date</sub>	Decription By	
roup				



## PLANNING PROPOSAL

REVISIONS Issue Date Decription

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD TRUE NORTH

DRAWING TITLE SHADOW DIAGRAM

SCALE : As indicated @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

R O B E R T S O N + M A R K S







					PL/	ANNING PI	ROPOSAL
VISIONS Issue	<u>Date</u>	Decription	<u>By</u>	7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET,	TRUE NORTH DRAWING TITLE SUN VIEWS		
				STRATHFIELD		SCALE : @B1 DATE : 27/01/16	Drawing Number AC-801/A
				NOTES Dimensions - Contractors to check all dimensions on site Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserv		ROBERTS	ON+MARKS

Drawing Number AC-801/A						
Μ	А	R	K	S		







	REVISIONS Issue Date Decription	<u>By</u>	REVISIONS Issue	<u>Date</u>	Decription
oup					

## PLANNING PROPOSAL

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD



DRAWING TITLE SUN VIEWS

SCALE : @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number						
AC	3-2	802	2//	4		
	٨		K	6		
///	А	К	K	2		

Z:\10420 South Strathfield\_Crown\2. Documentation\2.4 Drawings\2.4.2 Revit\2.4.2.1 Revit Current\R15\_South Strathfield.rvt





ARCHITECT

ROBERTSON + MARKS EST 1892 Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au

ANDREW SCARVELIS • STEVEN COOK

CLIENT



	REVISIONS Issue Date Decription	<u>By</u>	REVISIONS Issue	Date	Decription
oup					

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD



DRAWING TITLE SUN VIEWS

SCALE : @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number						
AC	2-8	803	3//	4		
Μ	А	R	Κ	S		

Z:\10420 South Strathfield\_Crown\2. Documentation\2.4 Drawings\2.4.2 Revit\2.4.2.1 Revit Current\R15\_South Strathfield.rvt





CLIENT



ROBERTSON + MARKS EST 1892

Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au ANDREW SCARVELIS • STEVEN COOK

	REVISIONS Issue Date Decription By	REVISIONS Issue Date Decription	
oup			

## PLANNING PROPOSAL

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD



DRAWING TITLE SUN VIEWS

SCALE : @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number						
AC	:-8	804	4/,	Д		
Μ	А	R	Κ	S		





1 SUN VIEW 1300 HRS

ARCHITECT

CLIENT



Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au ANDREW SCARVELIS • STEVEN COOK

ROBERTSON+MARKS

EST 1892



## PLANNING PROPOSAL

/ISIONS <sup>ssue</sup>	Date	Decription

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD



DRAWING TITLE

SCALE : @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number						
AC	3-2	805	5//	4		
Μ	А	R	Κ	S		



CLIENT



ROBERTSON+MARKS EST 1892

Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au ANDREW SCARVELIS • STEVEN COOK



1 SUN VIEW 1400 HRS



VISIONS		
lssue	Date	Decription

<u>By</u>

7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET, STRATHFIELD

TRUE NORTH 

DRAWING TITLE

SCALE : @B1 DATE : 27/01/16

NOTES Dimensions - Contractors to check all dimensions on site prior to commencing construction. Do not scale from this drawing. Use given dimensions. Copyright c This document is copyright. All rights reserved.

Drawing Number						
AC-806/A						
Μ	А	R	Κ	S		





ARCHITECT CLIENT ROBERTSON+MARKS EST 1892 Ground Level 11-17 Buckingham St Surry Hills 2010 Australia t. (+61) 2 9319 4388 e. mail@marks.net.au www.marks.net.au ANDREW SCARVELIS • STEVEN COOK



					PL	ANNING PROPOSAL		
VISIONS Issue Date	Decription	<u>By</u>	7-23 WATER STREET, STRATHFIELD & 25-33 WATER STREET,		DRAWING TITLE SUN VIEWS			
				STRATHFIELD		SCALE : @B1 DATE : 27/01/16	Drawing Number AC-807/A	
				NOTES Dimensions - Contractors to check all dimension Do not scale from this drawing. Use given dimens Copyright c This document is copyright. All right	ions.	ROBERTS	ON+MARKS	

Drawing Number						
AC-807/A						
Μ	А	R	Κ	S		

### Melbourne

- A Level 25, 55 Collins Street
- PO BOX 24055
- F\_melbourne@gta.com.au

### Sydney

- A Level 6, 15 Help Street CHATSWOOD NSW 2067 PO Box 5254
- P +612 8448 1800
- F sydney@ata.com

### bane

- A Level 4, 283 Elizabeth BRISBANE QLD 4000 GPO Box 115
- P +617 3113 5000
- Canberra
- A Tower A, Level
- 7 London Circuit
- P +612 6243 4826
- E canberra@gta.com.
- @gta.com.au

### . . . . . .

- PO Box 3421 NORWOOD SA 5067 P +618 8334 3600 E adelaide@gta.com.au
- Gold Coast A Level 9, C<u>orporat</u>
- Box 37, 1 Corpo
  - BUNDALL OLD 42
  - P +617 5510 4800
  - E gold<u>coast@gta.cc</u>

### Townsville

A Level 1, 25 Sturt Street PO Box 1064 TOWNSVILLE QLD 4810 P +617 4722 2765 E townsville@ata.com.au

### Perth

- A Level 27, 44 St Georges Terrace
- PERIH WA 600
- F +010 0301 4034
- E permegia.com.c