



# ROSE BAY CAR PARKS URBAN DESIGN STUDY

WOOLLAHRA COUNCIL  
DOCUMENT FOR PLANNING PROPOSAL



# ROSE BAY CAR PARKS URBAN DESIGN STUDY

WOOLLAHRA COUNCIL



Allen Jack+Cottier Architects Pty Ltd  
ABN 53 003 782 250

Principals + Nominated Architects  
Michael Heenan 5264  
Peter Ireland 6661

Sydney Office  
79 Myrtle Street Chippendale  
NSW 2008 AUSTRALIA  
tel +61 2 9311 8222  
fax +61 2 9311 8200

[architectsajc.com](http://architectsajc.com)

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# ROSE BAY CAR PARKS URBAN DESIGN STUDY

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# 1 INTRODUCTION

## Purpose of the Project



Location Plan with study areas highlighted

### 1.1 Purpose of the Report

Rose Bay Centre, located at the intersection of New South Head Road and Dover Road, is one of three centres within the Woollahra LGA. It is comprised of several key uses including retail, health, accommodation, food and a number of professional services. Since 2006, it has experienced a contraction in retail and amenity and a subsequent decline in employment with the exception of the real estate sector (SGS Economics, 2014).

Allen Jack+Cottier Architects investigated the opportunities that can be captured by redeveloping two car parks owned by Woollahra Municipal Council (Council) in Rose Bay:

- Wilberforce Avenue Car Park, and
- Ian Street Car Park.

These sites present a prime opportunity for improving the vibrancy within Rose Bay centre as well as fulfilling Council's key objectives of increasing public car parking spaces and providing new community spaces and amenities. Both the Wilberforce Avenue and the Ian Street sites are located centrally and have the potential to be catalysts for the area.

The objectives for development of the Rose Bay car parks outline that an ideal solution for this development would:

- Significantly increase the number of public car parking spaces across the two car parks by a minimum of 100 to 244 spaces;
- Provide a new Community Centre of approximately 750m<sup>2</sup> GFA and accessible public amenities;
- Provide income-generating opportunities for the Council such as retail, commercial and/or residential development and explores ownership structures with which to deliver the development.

These objectives guided the design of the feasibility models, which are informed by the economic analysis (Hill PDA, 2014 for Council).

As part of the initial feasibility study, four options were developed for Wilberforce Ave and three options for Ian Street. The shortlisted options were based on the Woollahra LEP 2014 commencing on 23 May 2015, but with incremental increases in height limits.

Council Planners reviewed the options and commented on the proposed heights of both car parks. They were comfortable with the heights proposed for Ian Street Options 2/3. However, they had significant concerns regarding the six and seven storey heights proposed in Wilberforce Avenue options 3B and 4. They advised that under the current planning controls, Wilberforce Avenue Option 1 (a four-storey development with a roof-top car park) would present a more desirable outcome in terms of bulk and scale in the current location.

Therefore, this study presents the concept designs of Wilberforce Ave Option 1 and Ian Street Option 3.

A Planning Proposal is required to be submitted to the Minister of Planning for approval to increase the maximum allowable height for both sites and to rezone the Ian St site.

This study undertakes further investigation into the potential for community uses, residential uses and car parking capacity. We believe that the brief and economic study provided by Council positively explores the opportunity to reinforce Rose Bay Centre as one of high convenience and amenity.







# 2 PLANNING CONTEXT

- 2.1 Local Environment Plan
- 2.2 Development Control Plan
- 2.3 Rose Bay Centre Public Domain Improvement Plan
- 2.4 Rose Bay Catchment Flood Study



# 2 PLANNING CONTEXT

## Local Environment Plan



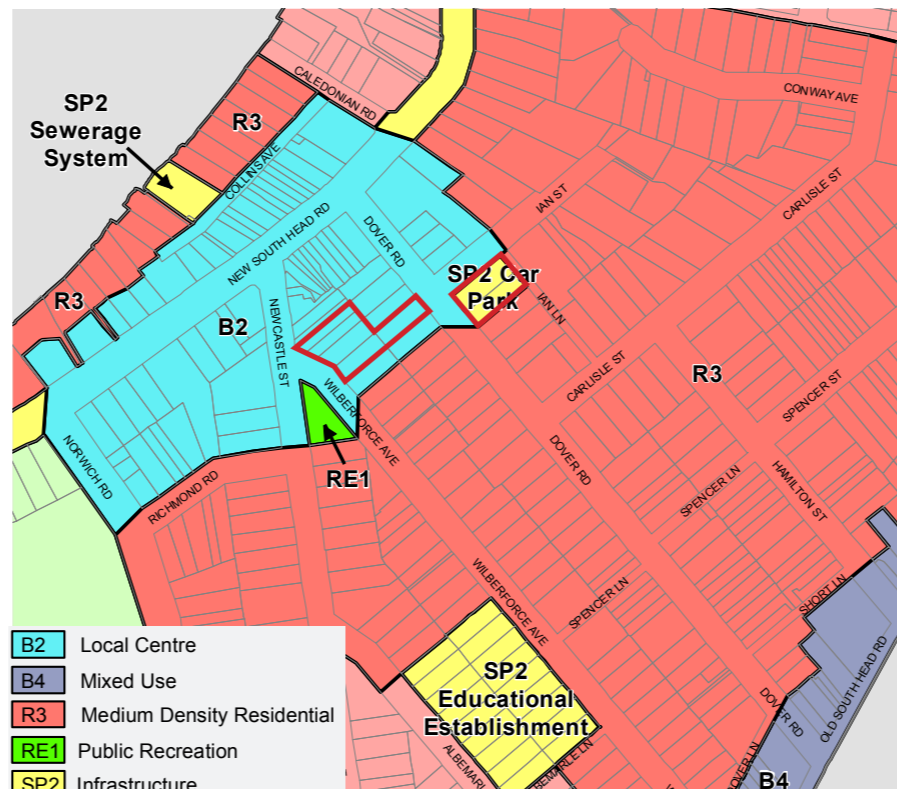
Floor Space Ratio



Height of Buildings



Flood Map



Land Zoning

### 2.1 Local Environment Plan

The relevant planning instrument for the Rose Bay Town Centre (the location of the two Subject Sites) is currently the Woollahra Local Environmental Plan (WLEP) 2014.

#### Land Use Zoning

Under the WLEP the Wilberforce Street Car Park is zoned B2 Local Centre, while the Ian Street Car Park is zoned SP2 Special Uses (Infrastructure-Car Park).

#### Height of Buildings

Under the WLEP, the existing maximum height of buildings is 14.1m for the Wilberforce Street Car Park and 10.5m for the Ian Street Car Park.

#### Floor Space Ratio

The allowable floor space ratio (FSR) for the Wilberforce Street Car Park is 2:1. The allowable FSR for the Ian Street Car Park under the LEP is contained in Clause 4.4 of the written instrument. Clause 4.4 states that the aim of the clause is "to ensure that buildings are compatible with the desired future character of the area in terms of bulk and scale".

Wilberforce Ave Car Park

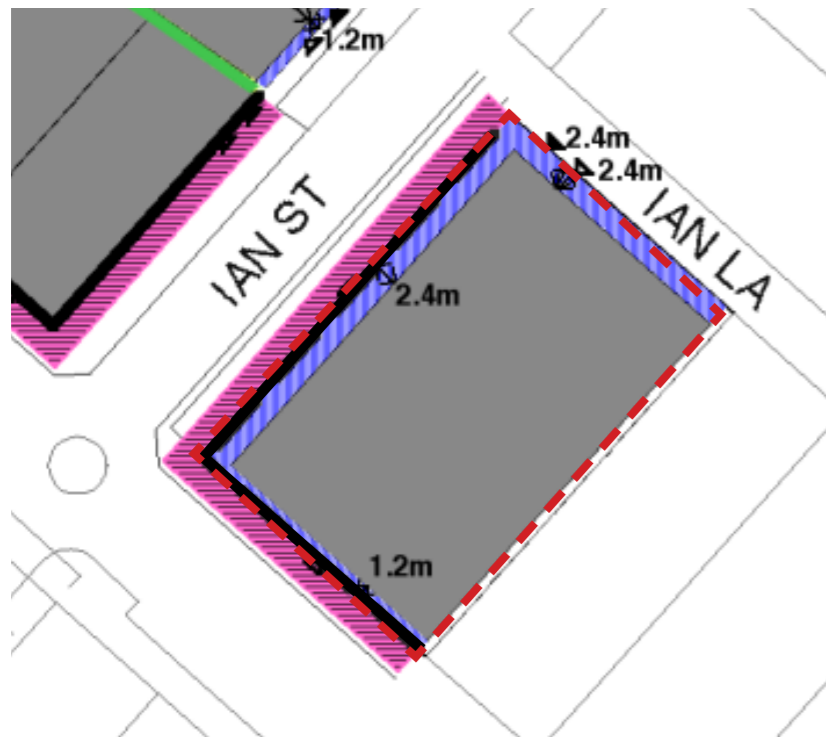
|                 | Existing | Proposed |
|-----------------|----------|----------|
| Zoning          | B2       | B2       |
| Maximum Heights | 14.1m    | 17.2m    |
| FSR             | 2:1      | 0.86:1   |

Ian Street Car Park

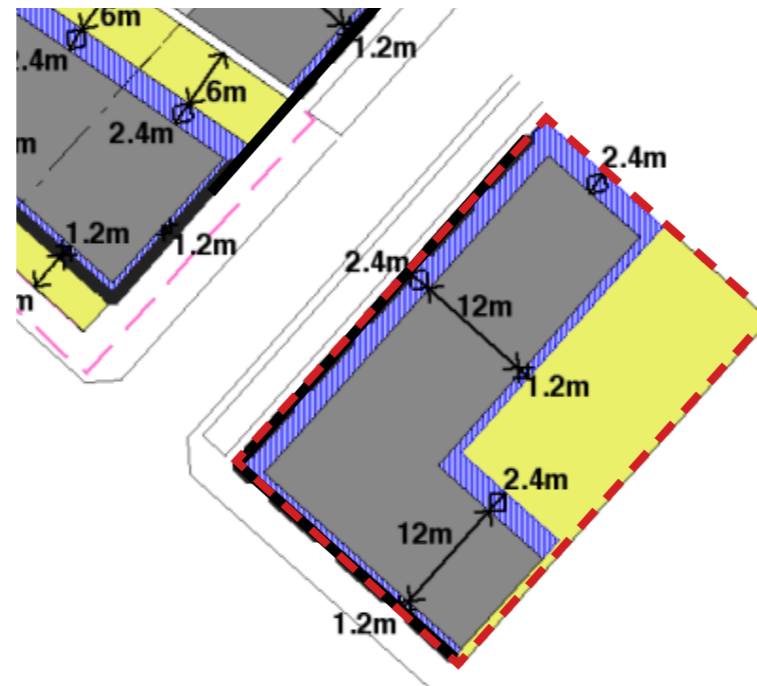
|                 | Existing     | Proposed |
|-----------------|--------------|----------|
| Zoning          | SP2          | B2       |
| Maximum Heights | 10.5m        | 14.1m    |
| FSR             | None applied | 2:1      |

## 2 PLANNING CONTEXT

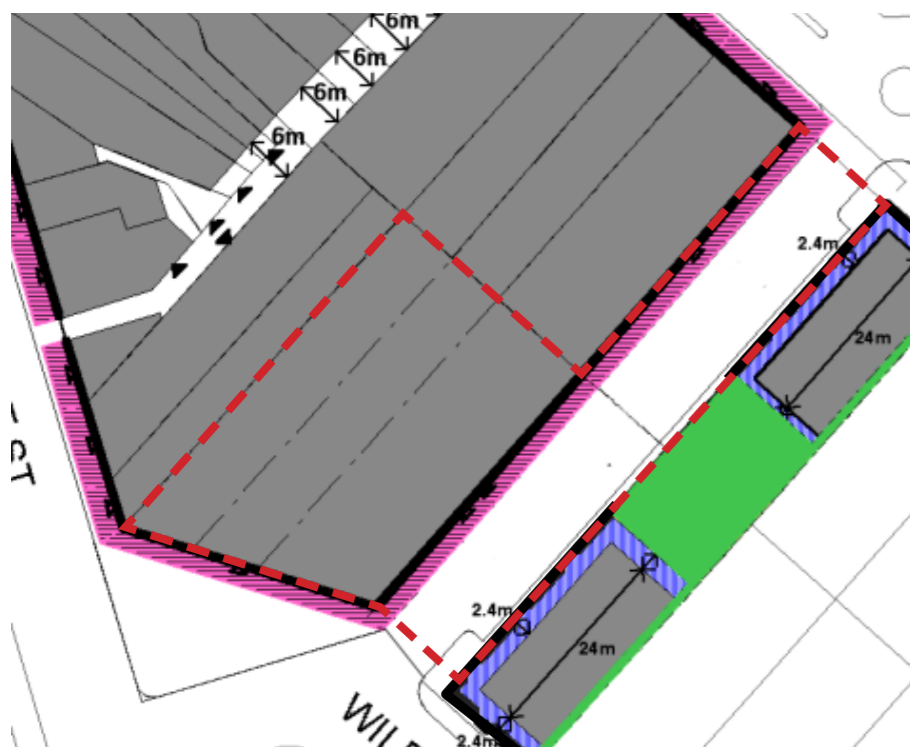
### Development Control Plan



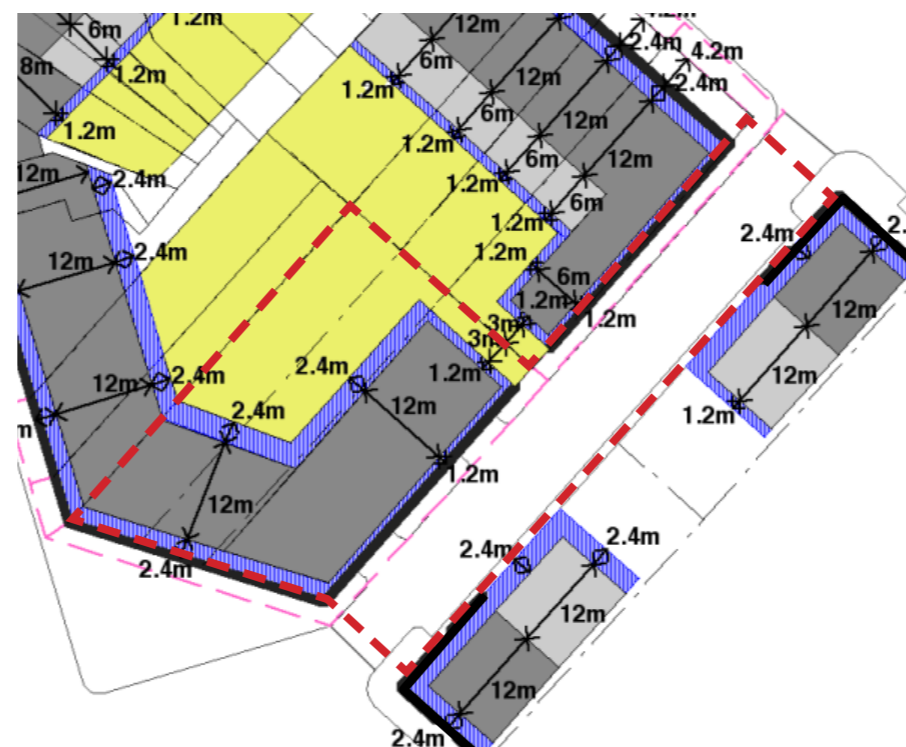
Ground floor control drawing - Ian Street site



Upper level control drawing - Ian Street site



Ground floor control drawing - Wilberforce Avenue site



Upper level control drawing - Wilberforce Avenue site

### 2.2 Development Control Plan

Chapter D6 of the Woollahra Development Control Plan (WDCP) contains controls which define the proposed planning and urban design guidelines for Rose Bay Centre. The objectives that will be addressed in this urban design study are as follows;

1. To retain and enhance the village atmosphere of the Rose Bay Centre;
2. To improve the Rose Bay Centre's public domain;
3. To foster the diverse mix of uses in the Rose Bay Centre;
4. To conserve and enhance the visual and environmental amenity of all buildings and places of heritage significance in the centre;
5. To improve traffic and parking management in the centre and reduce vehicle and pedestrian conflicts;
6. To introduce storm water management measures to control localised flooding, storm water quality and quantity, and improve the visual and environmental impact of storm water drainage, particularly at the harbour foreshore; and
7. To enhance the diverse character of streets in the Rose Bay Centre.

Section 6.3 of the DCP sets up an urban structure that reinforces the complexity of Rose Bay Centre, while providing opportunities for different building types and uses in various parts of the centre. The implications of this urban structure for the proposed sites are;

- The Wilberforce Car Park is in the Core Town Centre Zone (Core) whilst Ian Street Car Park is in the Transition Zone;
- The Transition Zone is considered to provide more residential and commercial rather than retail uses, and are characterised by a less continuous building frontage with a stronger landscape presence.
- The Core is considered the focus of retail activity, defined by buildings which reinforce its more urban quality. It is defined by buildings which abut the footpath and have awnings above.

Section 6.6.10.2 refers to the need for better vehicular and pedestrian circulation within the centre. Establishing a through block connection from Wilberforce Avenue to Dover Road has been encouraged by Council. This would facilitate rear site access and servicing to avoid vehicular crossings on principal streets by providing a new lane and right of way.

To contribute to a cohesive urban structure, there are significant controls for upper and lower levels for both sites in this urban design study. These controls are shown in the adjacent images, recognising the potential for a through site link.





**Table 12:** Key Flood Levels

|  | Peak Water Level (mAHD) |        |        |         |         |          |       |
|--|-------------------------|--------|--------|---------|---------|----------|-------|
|  | 1y ARI                  | 2y ARI | 5y ARI | 10y ARI | 20y ARI | 100y ARI | PMF   |
| cnr Powell & Balfour Rds                     | 3.17                    | 3.29   | 3.37   | 3.42    | 3.47    | 3.56     | 3.96  |
| culvert u/s of New South Head Rd             | 1.37                    | 1.60   | 1.88   | 2.03    | 2.15    | 2.35     | 3.41  |
| entrance of Royal Sydney Golf Course carpark | 2.32                    | 2.33   | 2.33   | 2.33    | 2.33    | 2.44     | 3.66  |
| Rose Bay shopping precinct                   | 4.29                    | 4.53   | 4.72   | 4.80    | 4.93    | 5.11     | 5.94  |
| cnr Albermarle Ave & Newcastle St            | 10.02                   | 10.09  | 10.11  | 10.12   | 10.17   | 10.23    | 10.35 |

Source: Rose Bay Catchment Flood Study, Woollahra Municipal Council, September 2010

### 2.4 Rose Bay Catchment Flood Study

The Rose Bay Catchment Flood Study was carried out by Woollahra Municipal Council in 2010. The peak flood levels at key locations including Rose Bay shopping precinct are identified in the table on the left.

The 100 year ARI of 5.11m AHD has been adopted during the design process and the proposed ground floor level of each scheme on the subject sites, being the Wilberforce Avenue car park site and Ian Street car park site, is above 5.11m AHD.

Therefore, the ground floor will have direct same level access from the street.





# 3 SITE ANALYSIS

3.1 Site Analysis Plan

3.2 Opportunities

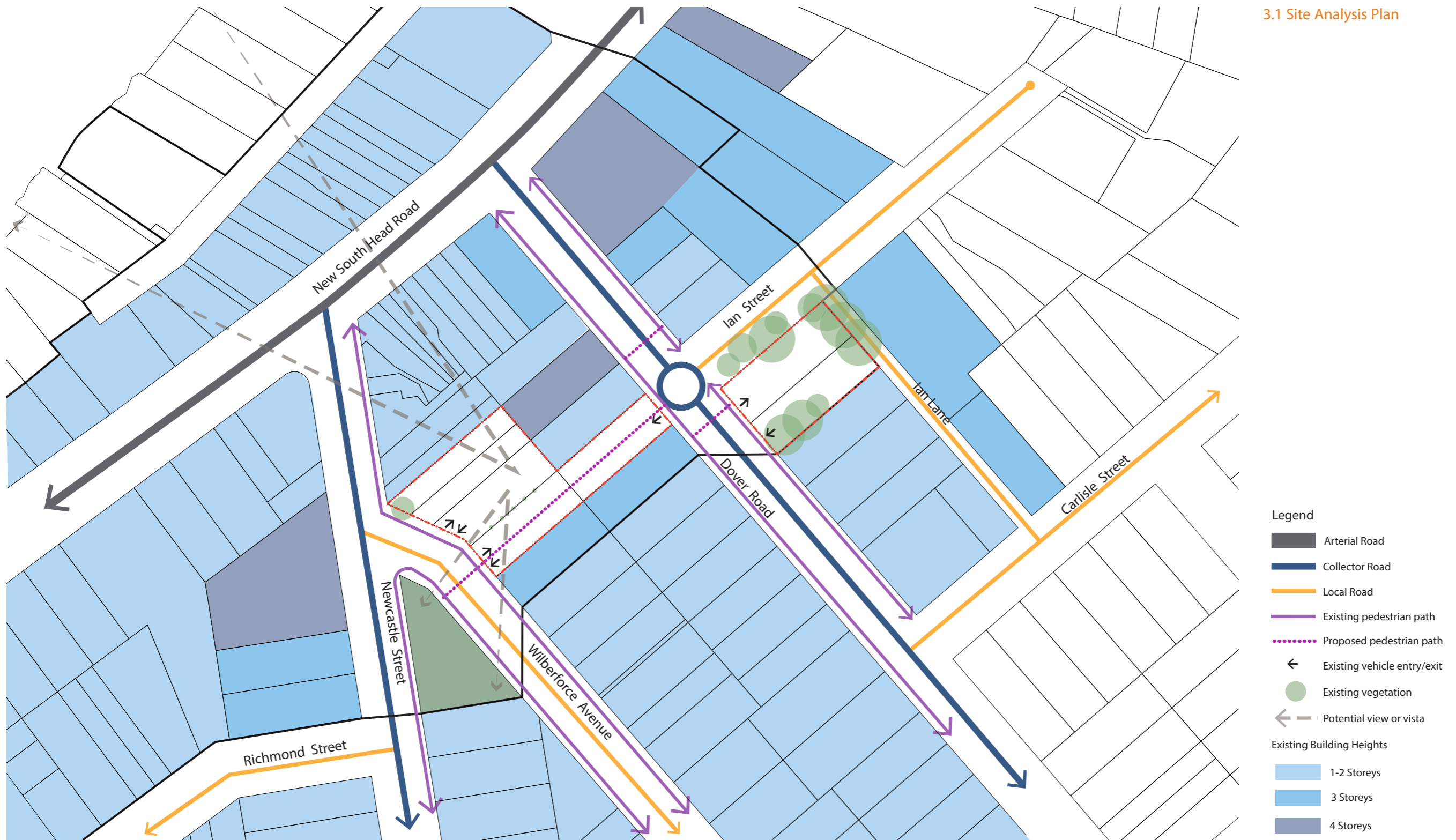
3.3 Constraints



# 3 SITE ANALYSIS

## Site Analysis, Opportunities and Constraints

3.1 Site Analysis Plan



- Legend**
- Arterial Road
  - Collector Road
  - Local Road
  - Existing pedestrian path
  - Proposed pedestrian path
  - Existing vehicle entry/exit
  - Existing vegetation
  - Potential view or vista
- Existing Building Heights**
- 1-2 Storeys
  - 3 Storeys
  - 4 Storeys

Summary of Site Analysis, Opportunities and Constraints



## 3 SITE ANALYSIS

### Opportunities and Constraints



Opportunity for a potential through site link from Wilberforce Avenue to Dover Road. Direct view corridor would be maintained, and convenience added with a direct connection between the two car park sites.



The roundabout on Dover Road presents a constraint to access for the Wilberforce Avenue site.



The topography of the lan Street carpark presents an opportunity for well located entry and exit points, which can minimise the need for costly excavation.



Photograph showing significant existing vegetation on the lan Street carpark.

### 3.2 Opportunities

#### Parking Access

There is an opportunity to reduce the number of parking entry/exits throughout the Rose Bay Centre. This will improve the pedestrian amenity and safety of the Centre which will encourage retail activation and economic growth.

#### Community Facilities and Open Space

There is a potential opportunity to incorporate Pannering Reserve into the public domain adjoining the Community Facility.

#### Existing Built Form

There is an opportunity for new development on both sites to enhance the existing streetscape character by creating a well defined street edge and encouraging ground floor activation with retail, civic and/or community uses.

Due to the location and size of both sites, there is potential for additional height that will capture views to Rose Bay and Sydney Harbour.

#### Topography

The current topography of the lan Street site presents opportunities for efficient access to parking. By correctly locating the entry and exit points, the design can minimise the need for costly excavation.

#### Adjoining Development

There is an opportunity for the Parisi site to be adapted to address the laneway and provide an active edge with retail uses.

### 3.3 Constraints

#### Vehicular and Pedestrian Conflicts

The existing roundabout on Dover Road presents a constraint to potential site access and connectivity for both pedestrians and vehicles between the two sites.

#### Existing Vegetation

The location of the existing tree line adjacent lan Street is significant in size and maturity. Design principles and testing will take these into consideration, though some may need to be assessed for removal subject to meeting the needs of the design brief. Refer also to site photographs.

#### Underground Water table

The underground water table could impose constraints on the basement construction (further geotechnical study required to assist next stage work).

#### Overland flows

The potential flooding of the below ground level areas from overland flows. This can be mitigated in the design and testing phase through the placement of entry and exits to the parking from the higher end of Dover Road.

#### Potential Sewer Main along Dover Road and Wilberforce Avenue

A sewer main runs along the rear of the properties fronting both Dover Road and Wilberforce Avenue and into and through the car park.





# 4 DESIGN PRINCIPLES

- 4.1 DP01\_Improved connectivity for both pedestrians and vehicles
- 4.2 DP02\_Improved public domain and civic spaces
- 4.3 DP03\_Urban Form
- 4.4 DP04\_Complementary Land Uses



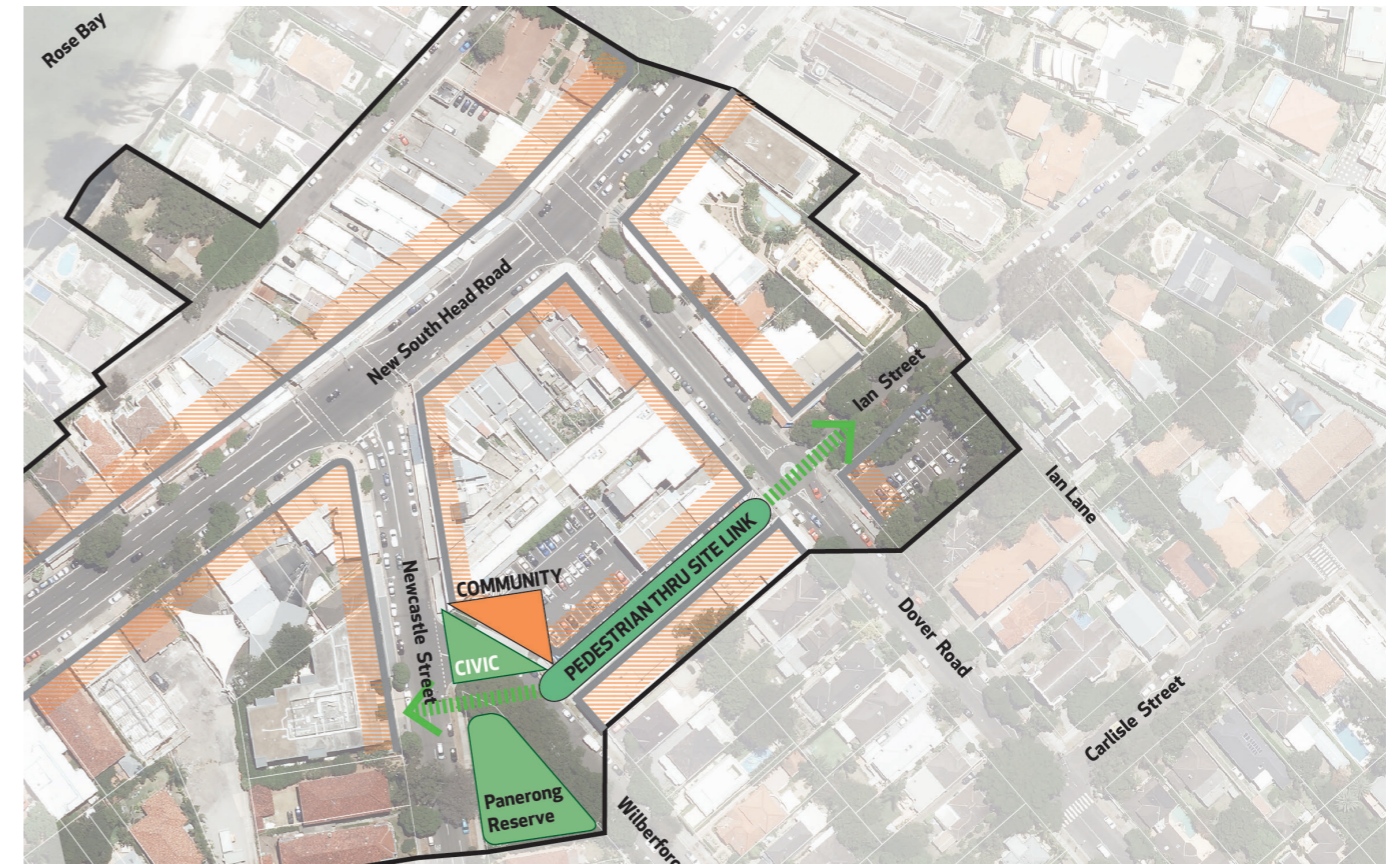
## 4 DESIGN PRINCIPLES



### 4.1 DP01\_Improved connectivity for both pedestrians and vehicles

Access and connectivity for the Rose Bay carparks has been designed in consideration of the local road network and existing urban structure. The proposal intends to strengthen Dover Road and Newcastle Streets as main streets by facilitating a connection between the two which will result in the following urban design outcomes:

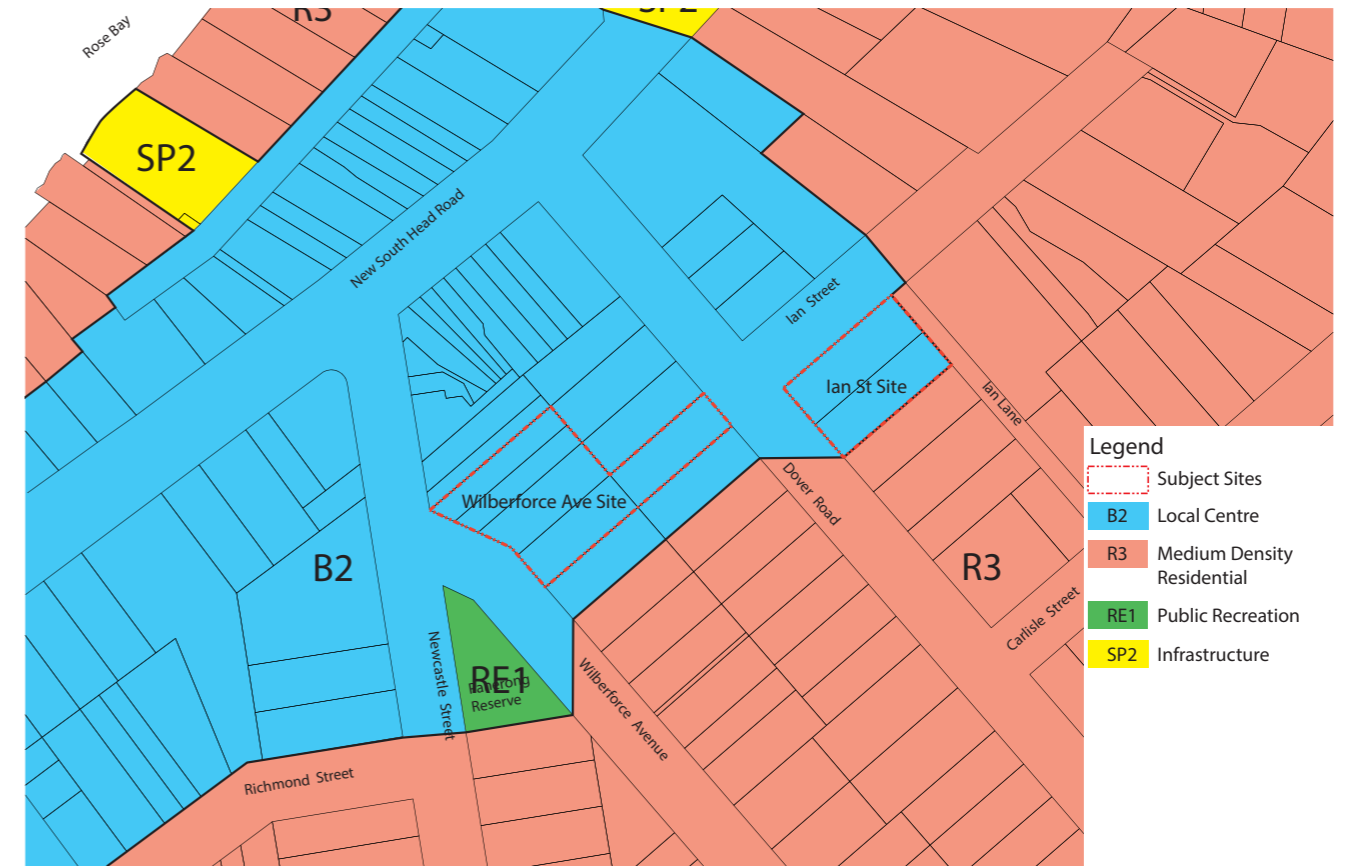
- Provision of a new shared zone/thru-site link from Wilberforce Avenue to Dover Road via the extension of Ian Street. This will improve connectivity between the two carparks and improve the pedestrian permeability of the Rose Bay Centre.
- The new shared zone/thru site link will also improve the vehicular circulation network of the Centre and provide opportunities to consolidate parking Entry/Exit points for both car park sites.
- The reduction and co-location of car parking entries will improve the pedestrian amenity and walkability of the Rose Bay Centre by reducing potential conflicts between vehicles and pedestrians.



### 4.2 DP02\_Improved public domain and civic spaces

- By establishing a thru-site link between Wilberforce Avenue and Dover Road, there is an opportunity for Council to investigate the opportunity to create a Shared Zone and/or pedestrian priority street as part of the Wilberforce Avenue redevelopment. This connection would be an opportunity for Council to improve the streetscape and public domain quality of the Rose Bay Centre as part of a larger project that would deliver improved parking, community facilities, amenities and open space upgrades.
- The design of the Wilberforce Avenue Car Park will explore opportunities for a new public square and an upgraded Panerong Reserve via the realignment of the intersection of Wilberforce Avenue and Newcastle Street. Co-located with a new Community Centre, this precinct has the potential to become a distinctive and innovative civic public gathering space which Rose Bay lacks.
- There is currently a high level of pedestrian activity along Dover Road due to the number of retail/food tenancies in the vicinity. This results in continuous street activity throughout the day. The proposals will explore the potential to improve footpaths and pedestrian crossings across Dover Road. This will assist in reducing the number of potential conflicts between pedestrians and vehicles in the Rose Bay Centre.





### 4.3 DP03\_Urban Form

- The proposals will seek to strengthen and define the core of the Rose Bay Town Centre by creating consistent streetscapes and continuous building alignments activated with non-residential uses.
- All proposals will consider the outcomes, desired future character and envisioned built form as contained within the Rose Bay Town Centre DCP.
- Align proposed built form envelopes on the Wilberforce Avenue site with the 'core' structure, reinforcing a dense urban quality with footpaths and awnings for permeability.
- Set back buildings on Dover Road to reinforce and enhance a distinctive framed urban shopping street.
- The location, size and layout of the Wilberforce Avenue Site presents an opportunity for taller development with upper level setbacks to be orientated to capture views to Rose Bay and Sydney Harbour without impacting significantly on the existing scale and character of the Rose Bay Centre.

### 4.4 DP04\_Complementary Land Uses

- The re-development of the Ian Street and Wilberforce Ave car parks will provide an opportunity to strengthen the core of the Rose Bay Centre.
- Explore ways of improving the amenity of Panerong Park, identified in the DCP as underutilised due to its poor visibility and amenity. This has the potential to provide an accessible outdoor space in the centre that will attract visitors and compliment the community facility.
- The commercial and community component has the potential to help protect the employment of the existing commercial centre. With the supply of new residential developments limited by the geography of the outlying areas, sites such as this should be the focus of intensification, bringing residents close to services, jobs and civic infrastructure.





# 5 ARCHITECTURAL CONCEPTS

## 5.1 Wilberforce Ave Car Park

- a. Design Concept
- b. Site plan
- c. B1 & B2 Level Floor Plan
- d. Ground Level Floor Plan
- e. Level 1-3 Floor Plan
- f. Level 4 Floor Plan
- g. Section A-A
- h. Section B-B
- i. Table

## 5.2 Ian Street Car Park

- a. Design Concept
- b. Ground Level Plan
- c. B1 Level Floor Plan
- d. B2 Level Floor Plan
- e. Level 1 Floor Plan
- f. Level 2 Floor Plan
- g. Level 3 Floor Plan
- h. Section C-C
- i. Section D-D
- j. Table
- k. Residential Yield & SEPP65 Checking

## 5.3 Key Views From 3D Massing Model

## 5.4 Solar Study



## 5 ARCHITECTURAL CONCEPTS

### Architectural Concepts

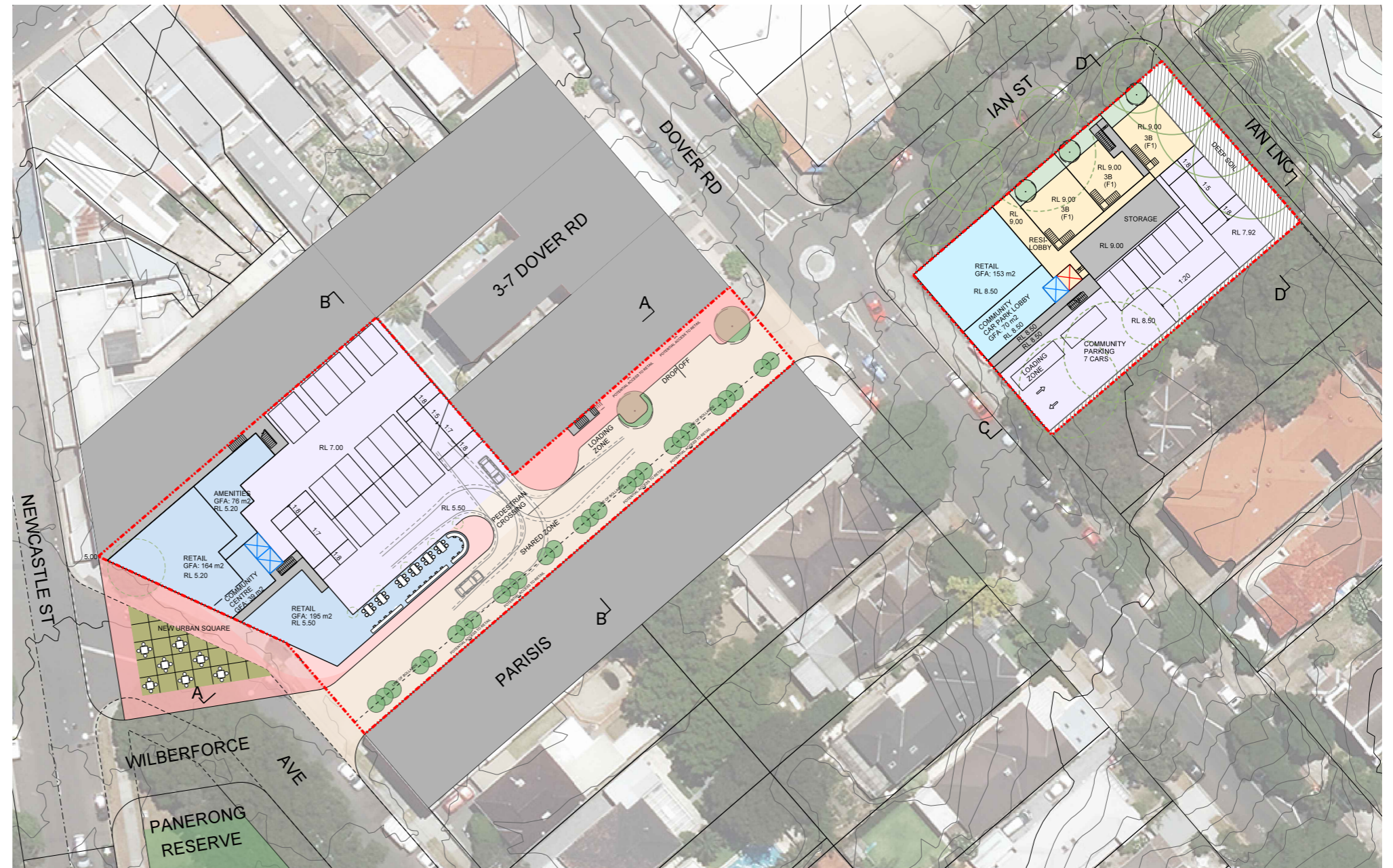
The following architectural concepts show a possible layout for each of the preferred options:

- + Wilberforce Ave - Option 1,
- + Ian St - Option 3.

### 5.1 Wilberforce Avenue Car Park Site

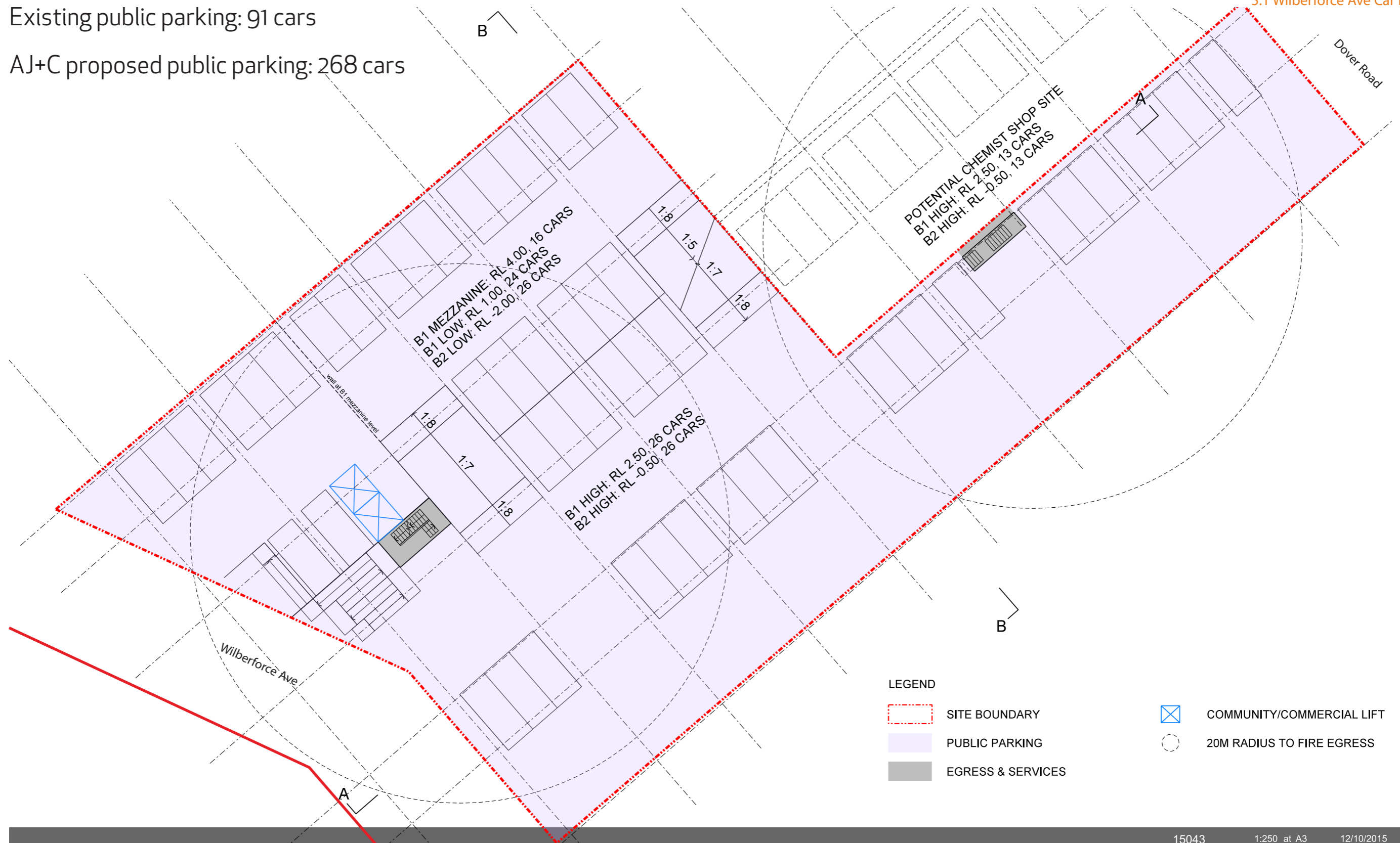
#### Design Concept:

- + Provision of a new thru-site site via the extension of Ian Street between Dover Road and Newcastle Streets. This will aim to reinforce the vehicular and pedestrian access and connectivity, which is consistent with the Woollahra Council DCP 2015.
- + Improved public domain by creating a new public square at corner of Wilberforce Avenue and Newcastle Street, which is in line with Woollahra Council PDIP 1999.
- + Realign the intersection of Wilberforce Avenue Newcastle Streets to mitigate potential traffic hazards for pedestrians.
- + Provide opportunities for retail activation at ground level.
- + Provide a new community centre and amenities for Woollahra Council.
- + Ensure that all above ground parking with an address to a primary road or civic space is 'sleeved' with community + commercial uses.
- + Provide increased public and community parking capacity for the Rose Bay Town Centre.



Existing public parking: 91 cars

AJ+C proposed public parking: 268 cars



**LEGEND**

- SITE BOUNDARY
- PUBLIC PARKING
- EGRESS & SERVICES
- X COMMUNITY/COMMERCIAL LIFT
- 20M RADIUS TO FIRE EGRESS

**Rose Bay Car Parks  
WILBERFORCE AVE**

**B1 & B2 LEVEL FLOOR PLAN**

15043    1:250 at A3    12/10/2015

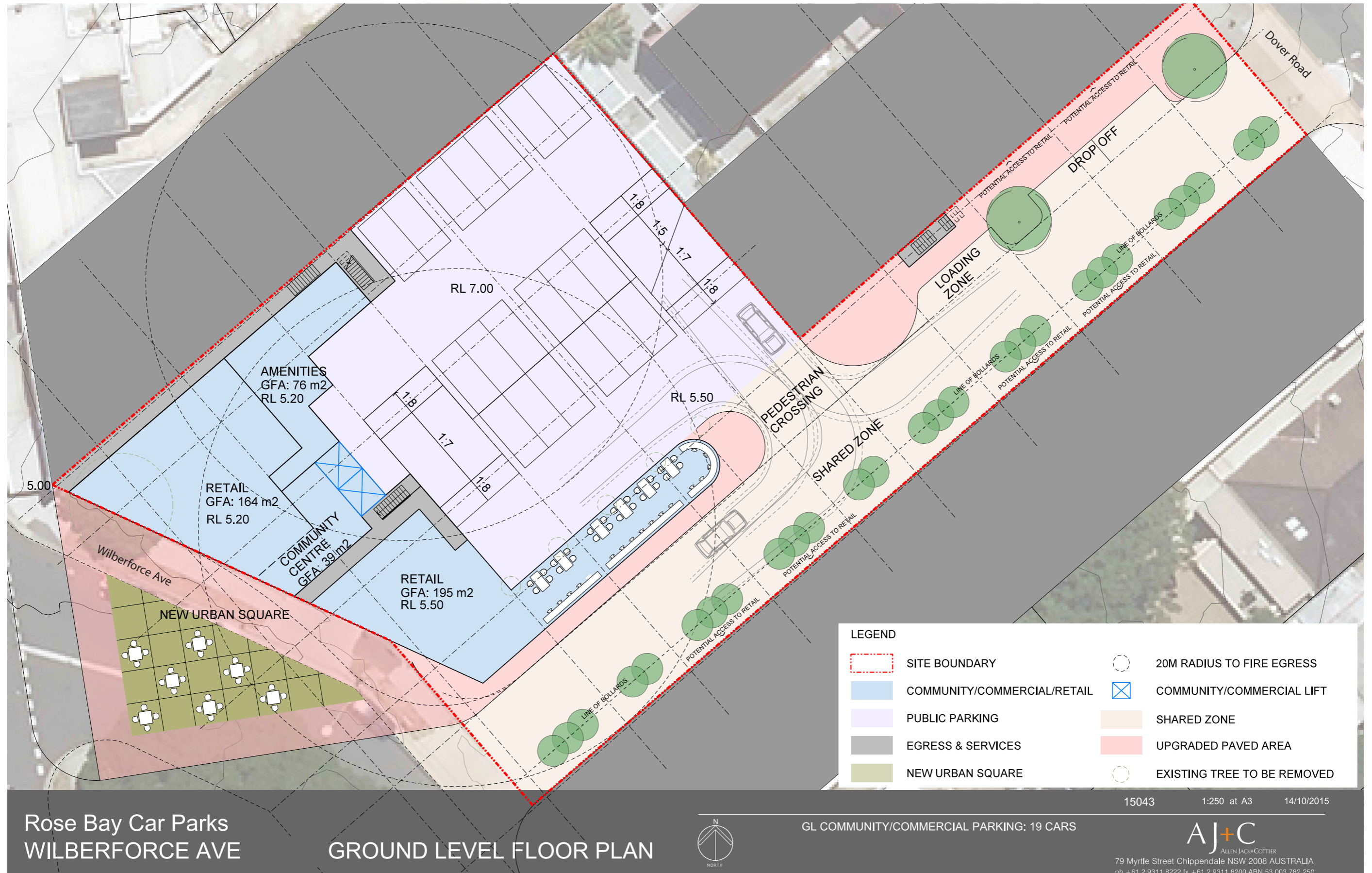
**AJ+C**  
ALLEN JACK+COTTER  
79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
ph +61 2 9311 8222 fx +61 2 9311 8200 abn 53 003 782 250

B1 COMMUNITY/COMMERCIAL PARKING, 66 CARS;  
B2 COMMUNITY/COMMERCIAL PARKING, 52 CARS;  
TOTAL COMMUNITY/COMMERCIAL PARKING, 118 CARS



# 5 ARCHITECTURAL CONCEPTS

## 5.1 Wilberforce Ave Car Park



Rose Bay Car Parks  
WILBERFORCE AVE

GROUND LEVEL FLOOR PLAN



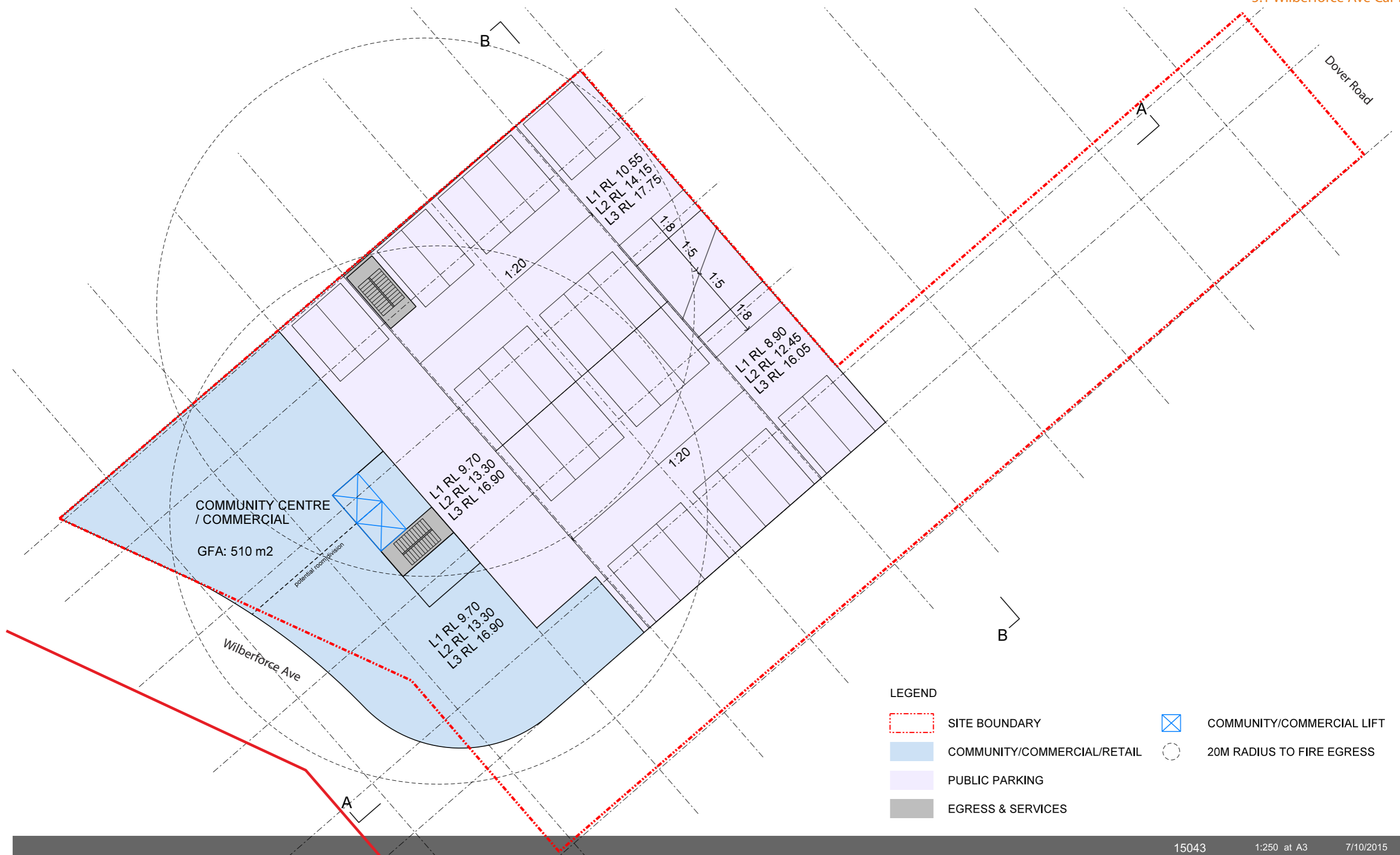
GL COMMUNITY/COMMERCIAL PARKING: 19 CARS

15043 1:250 at A3 14/10/2015

**AJ+C**  
ALLEN JACK+COTTIER  
79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250

# 5 ARCHITECTURAL CONCEPTS

5.1 Wilberforce Ave Car Park



**LEGEND**

- SITE BOUNDARY
- COMMUNITY/COMMERCIAL/RETAIL
- PUBLIC PARKING
- EGRESS & SERVICES
- COMMUNITY/COMMERCIAL LIFT
- 20M RADIUS TO FIRE EGRESS

Rose Bay Car Parks  
WILBERFORCE AVE
LEVEL 1-3 FLOOR PLAN
15043    1:250 at A3    7/10/2015

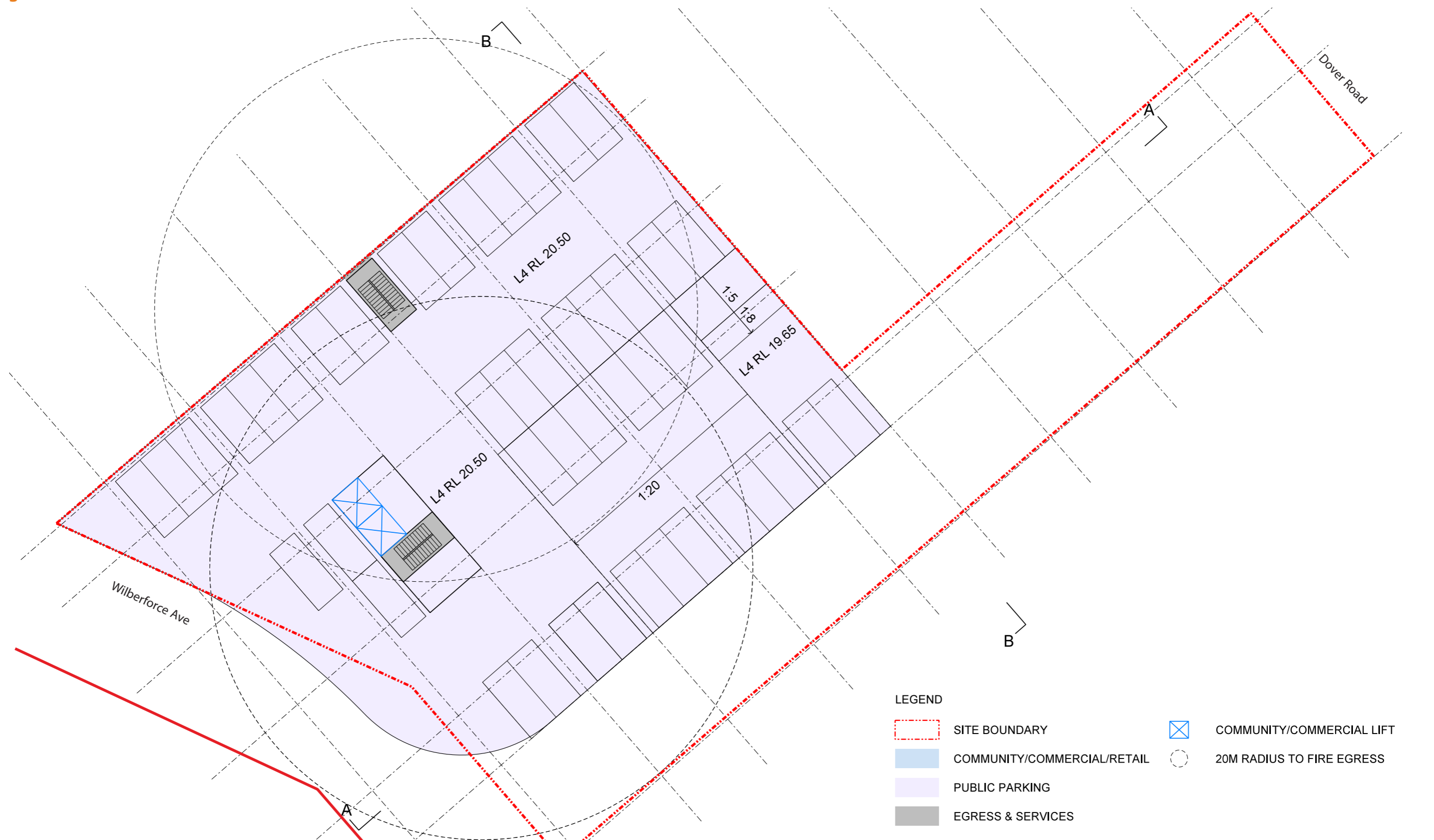
L1-3 COMMUNITY/COMMERCIAL PARKING: 29 CARS/LEVEL  
 TOTAL 87 CARS
 

  
ALLEN JACK+COTTIER  
 79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
 ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250



# 5 ARCHITECTURAL CONCEPTS

## 5.1 Wilberforce Ave Car Park



**LEGEND**

- SITE BOUNDARY
- COMMUNITY/COMMERCIAL/RETAIL
- PUBLIC PARKING
- EGRESS & SERVICES
- COMMUNITY/COMMERCIAL LIFT
- 20M RADIUS TO FIRE EGRESS

**Rose Bay Car Parks  
WILBERFORCE AVE**

**LEVEL 4 FLOOR PLAN**

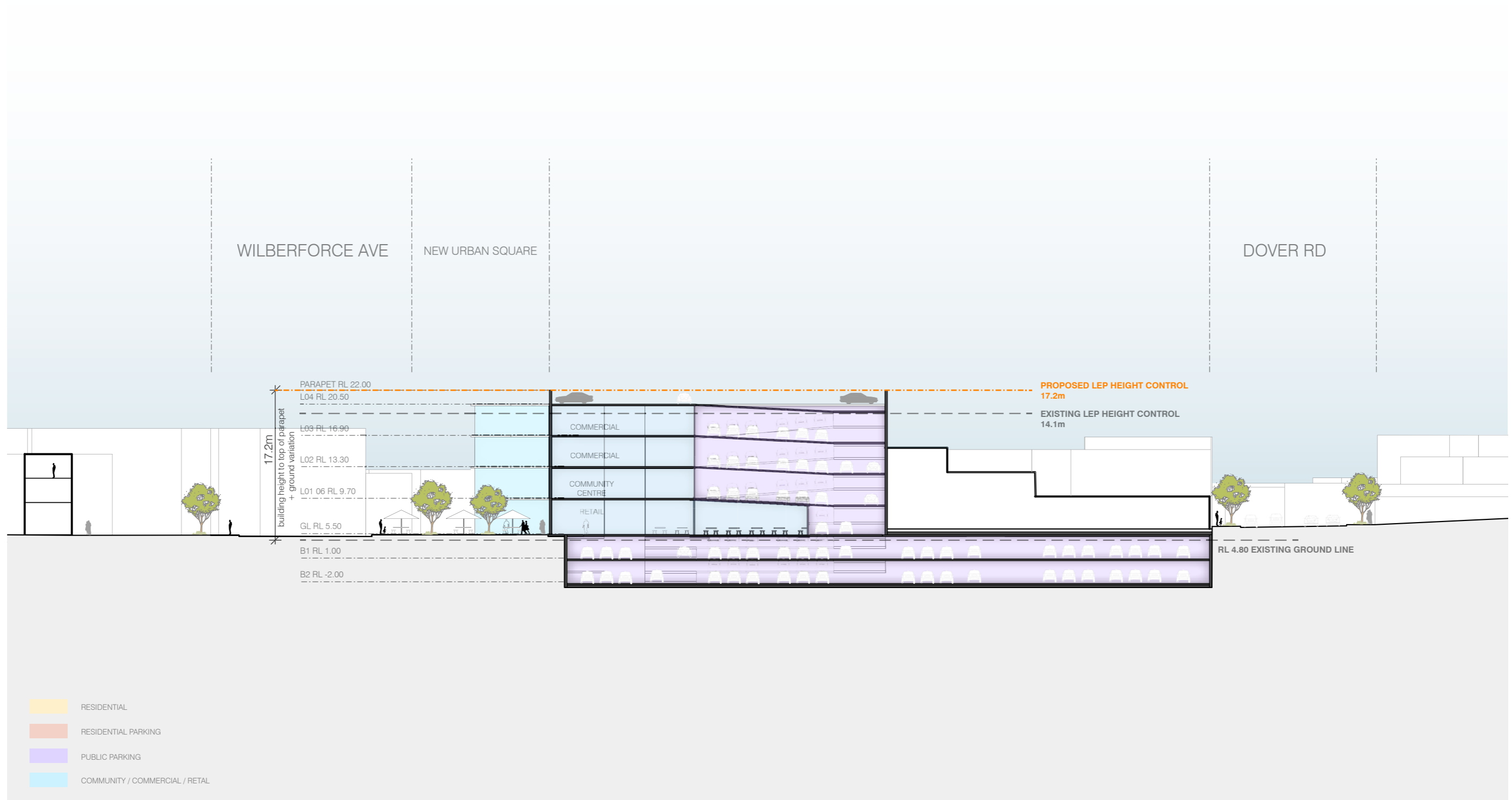
15043      1:250 at A3      12/10/2015

L4 (ROOF) COMMUNITY/COMMERCIAL PARKING: 44 CARS

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79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250

# 5 ARCHITECTURAL CONCEPTS

## 5.1 Wilberforce Ave Car Park

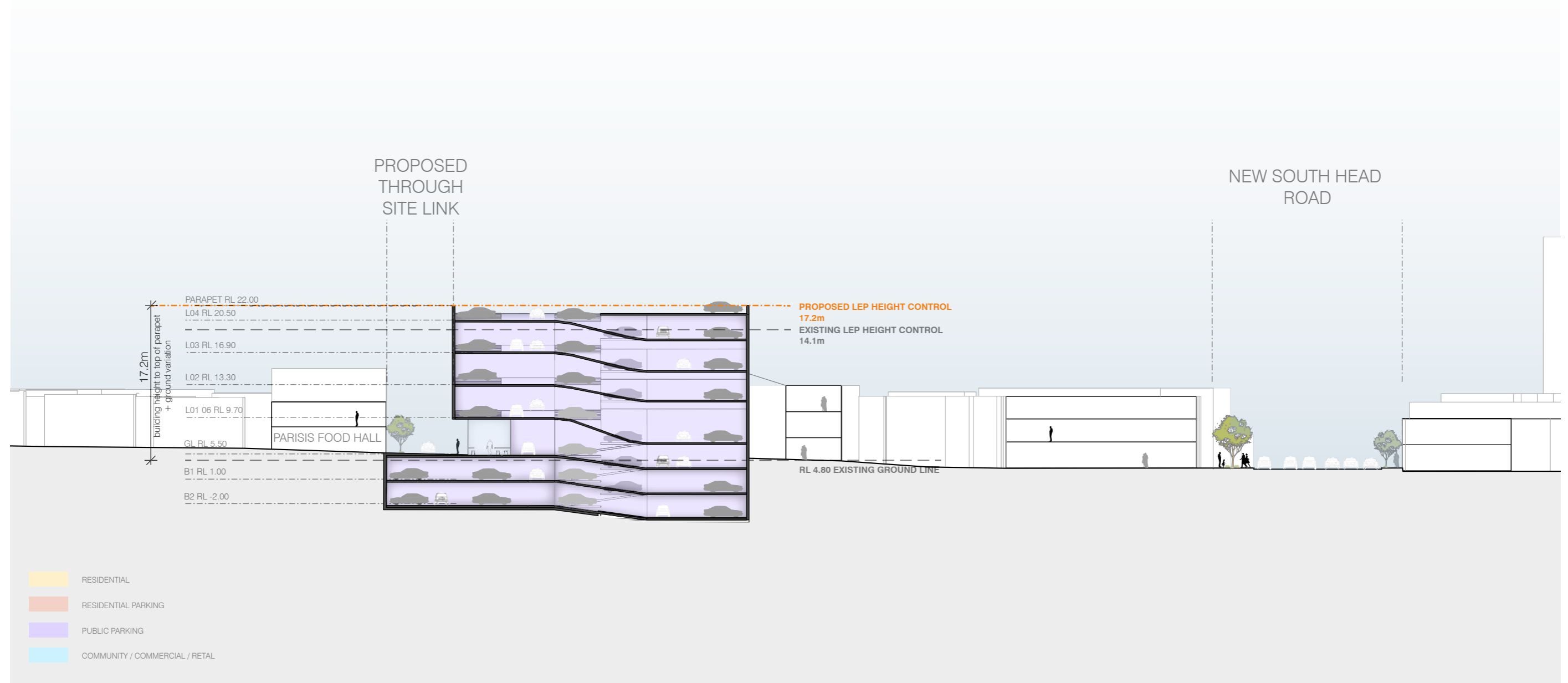


Section A-A



# 5 ARCHITECTURAL CONCEPTS

## 5.1 Wilberforce Ave Car Park



Section B-B

## 5 ARCHITECTURAL CONCEPTS

### 5.1 Wilberforce Ave Car Park

#### Wilberforce Avenue Site

|                          |                  | AJ+C Proposal         |                |
|--------------------------|------------------|-----------------------|----------------|
|                          | Use              | GFA (m <sup>2</sup> ) | Public Parking |
| Level 4_Roof (5 storeys) | Public Parking   |                       | 44             |
|                          | <b>Sub-total</b> |                       | <b>44</b>      |
| Level 3 (4 storeys)      | Commercial       | 518                   |                |
|                          | Public Parking   |                       | 29             |
|                          | <b>Sub-total</b> | <b>518</b>            | <b>29</b>      |
| Level 2 (3 storeys)      | Community Centre | 254                   |                |
|                          | Commercial       | 264                   |                |
|                          | Public Parking   |                       | 29             |
|                          | <b>Sub-total</b> | <b>518</b>            | <b>29</b>      |
| Level 1 (2 storeys)      | Community Centre | 518                   |                |
|                          | Public Parking   |                       | 29             |
|                          | <b>Sub-total</b> | <b>518</b>            | <b>29</b>      |
| Ground Level (1 storey)  | Amenities        | 76                    |                |
|                          | Community Centre | 39                    |                |
|                          | Retail           | 359                   |                |
|                          | Public Parking   |                       | 19             |
|                          | <b>Sub-total</b> | <b>474</b>            | <b>19</b>      |
| Basement 1               | Public Parking   |                       | 66             |
|                          | <b>Sub-total</b> |                       | <b>66</b>      |
| Basement 2               | Public Parking   |                       | 52             |
|                          | <b>Sub-total</b> |                       | <b>52</b>      |
| <b>Total</b>             | Amenities        | 76                    |                |
|                          | Community Centre | 811                   |                |
|                          | Retail           | 359                   |                |
|                          | Commercial       | 782                   |                |
|                          | <b>Total</b>     | <b>2028</b>           | <b>268</b>     |

#### AJ+C Proposal

|                                     |                     |
|-------------------------------------|---------------------|
| Site Area:                          | 2360 m <sup>2</sup> |
| Proposed Total GFA:                 | 2082 m <sup>2</sup> |
| Existing FSR Control:               | 2 :1                |
| FSR of Proposed Concept:            | 0.86 :1             |
| <b>Recommended FSR:</b>             | <b>2 :1</b>         |
| Existing Building Height Control:   |                     |
| <b>Recommended Building Height:</b> | <b>17.2 m</b>       |
| Existing Land Zoning:               | B2                  |
| Proposed Land Zoning:               | B2                  |
| <b>Recommended Land Zoning:</b>     | <b>B2</b>           |

#### Assumptions:

Ground level variation: 0.7m  
 Ground level floor to floor height: 4.2m  
 Commercial level floor to floor height: 3.6m  
 Roof parapet height: 1.5m



# 5 ARCHITECTURAL CONCEPTS

## 5.2 Ian Street Car Park

### Design Concept:

- + Built Form outcomes that are generally consistent with the outcomes of the B2 Local Centre.
- + Provide retail activation to corner of Dover Road and Ian Street
- + Clear separation of residential lobby and community car park lobby.
- + Two storey 'townhouse' style apartments with an address to Ian Street.
- + Retain significant vegetation along Ian Lane.
- + Provision of additional community/public car parking facilities on 1 consolidated basement level
- + Significant side setbacks (6m) to south-eastern boundary and adjoining single detached dwelling.



Rose Bay Car Parks  
IAN ST CAR PARK

GROUND LEVEL FLOOR PLAN



GL COMMUNITY PARKING, 7 CARS

15043

1:250 at A3

7/10/2015

AJ+C  
ALLEN JACK+COTTIER

79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250

Existing public parking: 53 cars

AJ+C proposed public parking: 37 cars



Rose Bay Car Parks  
IAN ST CAR PARK

15043\_MP2101\_Ian St\_B1.dgn

B1 LEVEL FLOOR PLAN



B1 COMMUNITY PARKING, 30 CARS

15043

1:250 at A3

7/09/2015

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79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
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# 5 ARCHITECTURAL CONCEPTS

## 5.2 Ian Street Car Park

AJ+C proposed residential parking: 32 cars



Rose Bay Car Parks  
IAN ST CAR PARK

15043\_MP2100\_Ian St\_B2.dgn

B2 LEVEL FLOOR PLAN



B2 RESIDENTIAL PARKING, 32 CARS

15043 1:250 at A3 7/09/2015

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Rose Bay Car Parks  
IAN ST CAR PARK

LEVEL 1 FLOOR PLAN



SEPP 65 CHECKING:  
SOLAR ACCESS: 68%, CAREFUL DESIGN TO ACHIEVE 70%  
NATURAL VENTILATION: 68%, COMPLYING

L1-3 RESIDENTIAL TOTAL: 25 ATPS, 1B x 11; 2B x 7; 3B x 7

15043

1:250 at A3

7/09/2015



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ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250



# 5 ARCHITECTURAL CONCEPTS

## 5.2 Ian Street Car Park



- LEGEND**
- SITE BOUNDARY
  - RESIDENTIAL
  - EGRESS & SERVICES
  - + COMMUNITY/COMMERCIAL LIFT
  - + RESIDENTIAL LIFT
  - 9M RADIUS TO FIRE EGRESS

Rose Bay Car Parks  
IAN ST CAR PARK

15043\_MP2104\_Ian St\_L2.dgn

LEVEL 2 FLOOR PLAN



L1-3 RESIDENTIAL TOTAL: 25 ATPS, 1B x 11; 2B x 7; 3B x 7  
SEPP 65 CHECKING:  
SOLAR ACCESS: 68%, CAREFUL DESIGN TO ACHIEVE 70%  
NATURAL VENTILATION: 68%, COMPLYING

15043 1:250 at A3 16/08/2016



ALLEN JACK+COTTIER  
79 Myrtle Street Chippendale NSW 2008 AUSTRALIA  
ph +61 2 9311 8222 fx +61 2 9311 8200 ABN 53 003 782 250



Rose Bay Car Parks  
IAN ST CAR PARK

15043\_MP2105\_Ian St\_L3.dgn

LEVEL 3 FLOOR PLAN



L1-3 RESIDENTIAL TOTAL: 25 ATPS, 1B x 11; 2B x 7; 3B x 7

SEPP 65 CHECKING:  
SOLAR ACCESS: 68%, CAREFUL DESIGN TO ACHIEVE 70%  
NATURAL VENTILATION: 68%, COMPLYING

15043

1:250 at A3

16/08/2016

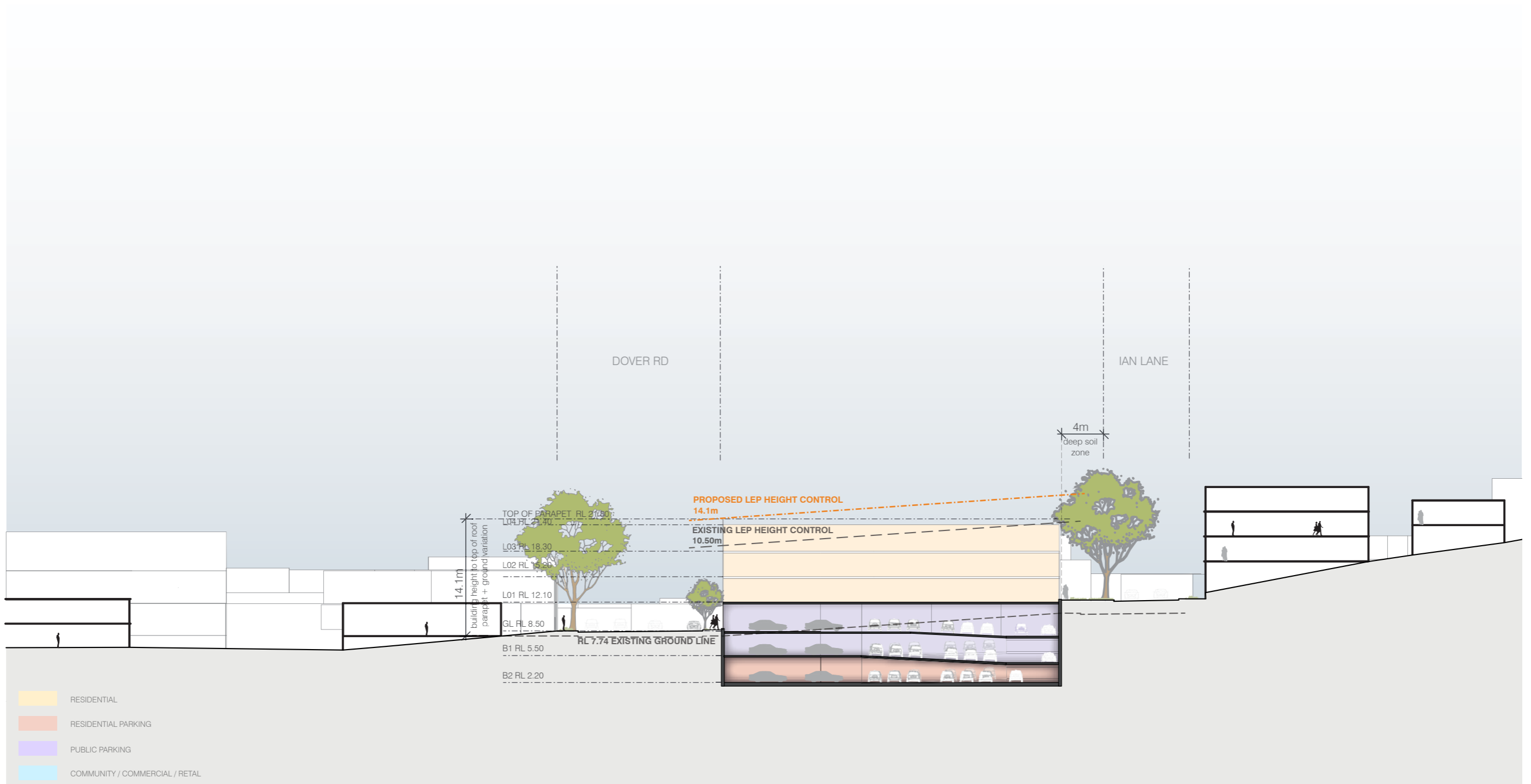


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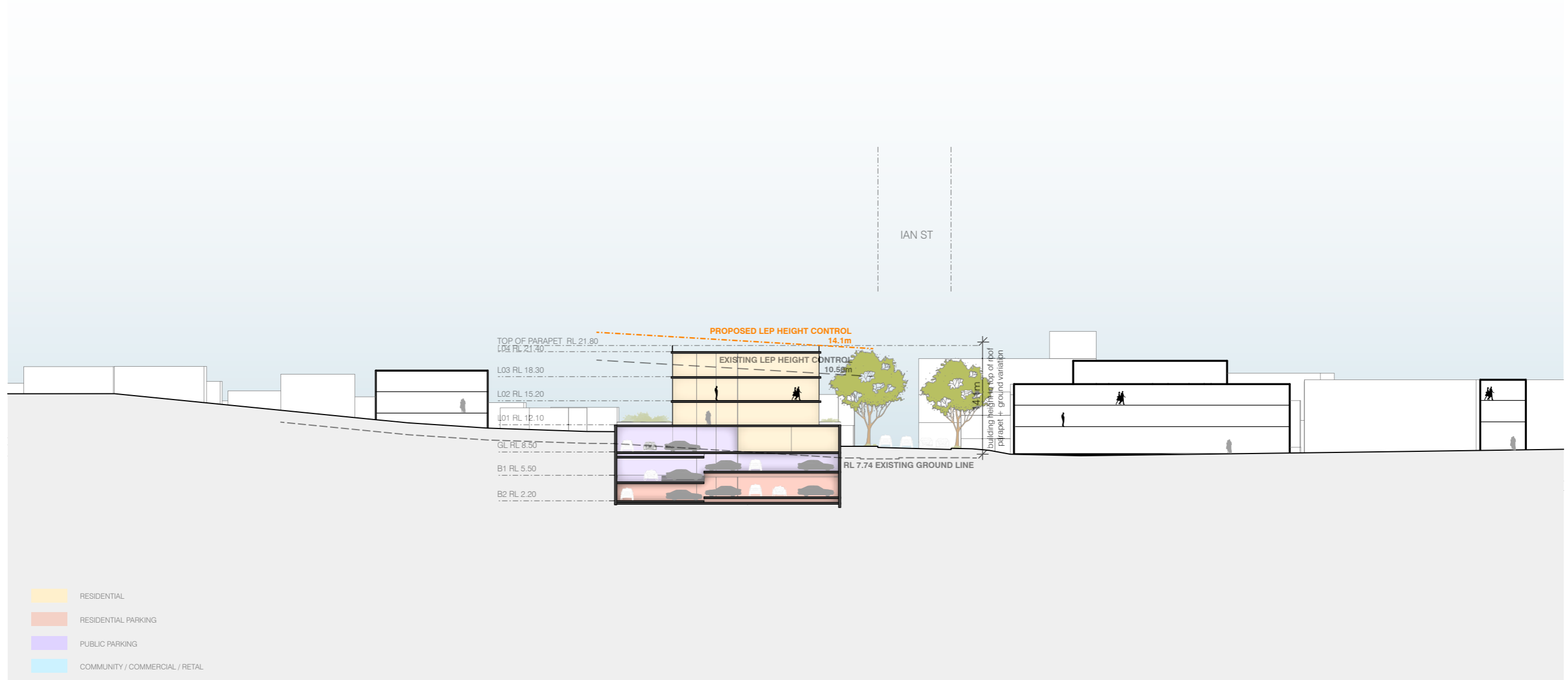


# 5 ARCHITECTURAL CONCEPTS

## 5.2 Ian Street Car Park



Section C-C



Section D-D



## 5 ARCHITECTURAL CONCEPTS

### 5.2 Ian Street Car Park

#### Summary: Ian Street Site

Site area: 1132 m<sup>2</sup>

| <b>YIELDS</b>                    | <b>AJ+C Proposal</b>      |
|----------------------------------|---------------------------|
| Residential GFA                  | 2080 m <sup>2</sup>       |
| Retail GFA                       | 220 m <sup>2</sup>        |
| <b>Total GFA</b>                 | <b>2280 m<sup>2</sup></b> |
| <b>Residential Apartments</b>    | <b>25 apts</b>            |
| Public Parking                   | 37 cars                   |
| Residential Parking              | 32 cars                   |
| <b>Total Parking</b>             | <b>69 cars</b>            |
| <b>PLANNING CONTROLS</b>         | <b>AJ+C Proposal</b>      |
| Existing FSR Control             | none applied              |
| <b>Proposed FSR</b>              | <b>2 :1</b>               |
| Existing Building Height Control | 10.5 m                    |
| <b>Proposed Building Height</b>  | <b>14.1 m</b>             |
| Existing Land Zoning             | SP2                       |
| <b>Proposed Land Zoning</b>      | <b>B2</b>                 |

#### Assumptions:

Ground level variation: 0.6-0.8m

Ground level floor to floor height: 3.6m

Residential level floor to floor height: 3.1m

Roof parapet height: 0.4m (Non trafficable roof, access for maintenance only)

Average apartment size of 80m<sup>2</sup> used on Hill PDA brief

### Residential Yields and SEPP 65 Checking

#### Ian Street Site \_ Option 2 & 3

|   | 1B (min.<br>50m <sup>2</sup> ) | 2B (min.<br>70m <sup>2</sup> ) | 3B (min.<br>90m <sup>2</sup> ) | Vistor Parking<br>Required | Total     | Solar Access | Natural<br>Ventilation |
|---|--------------------------------|--------------------------------|--------------------------------|----------------------------|-----------|--------------|------------------------|
| Level 3                                 | 4                              | 3                              | 1                              |                            | 8         | 6            | 5                      |
| Level 2                                 | 5                              | 2                              | 1                              |                            | 8         | 5            | 4                      |
| Level 1                                 | 2                              | 2                              | 2                              |                            | 6         | 3            | 4                      |
| Ground Level                            |                                |                                | 3                              |                            | 3         | 3            | 3                      |
| <b>Total</b>                            | <b>11</b>                      | <b>7</b>                       | <b>7</b>                       |                            | <b>25</b> | <b>17</b>    | <b>16</b>              |
| Residential Mix                         | 44%                            | 28%                            | 28%                            |                            | 100%      |              |                        |
| <i>DCP 2015</i>                         |                                |                                |                                |                            |           |              |                        |
| <i>Residential</i>                      |                                |                                |                                |                            |           |              |                        |
| <i>Parking Rate</i>                     | <i>0.5</i>                     | <i>1</i>                       | <i>1.5</i>                     | <i>0.2</i>                 |           |              |                        |
| Residential<br>Parking Required         | 6                              | 7                              | 11                             | 5                          | 28        |              |                        |
| AJ+C Proposed<br>Residential<br>Parking |                                |                                |                                |                            | 30        |              |                        |
| <i>SEPP 65</i>                          |                                |                                |                                |                            |           |              |                        |
| <i>Requirement</i>                      |                                |                                |                                |                            |           | <i>70%</i>   | <i>60%</i>             |
| SEPP 65 checking                        |                                |                                |                                |                            |           | 68%          | 64%                    |



## 5.2 Ian Street Car Park

ARCHITECTURE  
URBAN DESIGN  
HERITAGE  
INTERIORS  
GRAPHICS

DIRECTORS &  
NOMINATED ARCHITECTS  
Keith E Cottier AM 2264  
Glynn N Evans 2839  
Michael Heenan 5264  
Peter Ireland 6661  
Reginald Smith 3312  
Peter Stronach 3372

ASSOCIATE DIRECTORS  
Stephen Black  
Colin Janes  
Kathlyn Loseby  
Mark Louw  
Kate Mountstephens  
Andrew Parker  
Deena Ridenour  
Bernard J Rowe  
John Suprun

SENIOR ASSOCIATES  
William Clements  
Nicola Middleton  
Tim Waldock

ASSOCIATES  
Nic Bailey  
Michael Buchtmann  
Mark Corbet  
Belinda Falsone  
John Gunnell  
Jane Johnson  
Sue Melosu  
Scott Norton  
Russell Parker  
Richard Silink  
Tony Spragg  
Daniel Staebe  
Richard Terry  
John Whittingham

SYDNEY OFFICE  
59 Buckingham Street  
Surry Hills NSW 2010  
AUSTRALIA  
ph +61 2 9311 8222  
fx +61 2 9311 8200

BRISBANE OFFICE  
Lv3 Old Mineral House  
2 Edward Street  
Brisbane QLD 4000  
AUSTRALIA  
ph +61 7 300 42 300  
fx +61 7 300 42 333

www.architectsajc.com

ALLEN JACK+COTTIER  
Architects Pty Ltd  
ABN 53 003 782 250

01 November 2016

Woollahra Municipal Council  
536 New South Head Road,  
Double Bay,  
NSW 2028

Attn: Marine Roujon

Dear Marine

### RE: SEPP 65 STATEMENT FOR IAN STREET CAR PARK SITE

This *State Environmental Planning Policy No 65 - Design Quality of Residential Apartment Development* (SEPP 65) Statement is provided to assist Woollahra Municipal Council in its Planning Proposal of Rose Bay Car Park Sites, being Wilberforce Avenue car park site and Ian Street car park site.

SEPP 65 is applicable on Ian Street car park site only, which is proposed for mixed uses, including residential, public parking and ground level retail.

The statement is focused on the nine Design Quality Principles set out in SEPP 65, while the detailed design could be checked against the Apartment Design Guide (ADG) at DA stage. These comments are based on the concept that has been submitted to support the planning proposal for the site which proposes to rezone the site to B2 Local Centre, and apply floor space ratio of 2:1 and height of 14.1m.

#### Principle 1: Context and Neighbourhood Character

Rose Bay car parks are located within Rose Bay Centre, an established urban area, which is comprised of several key uses including retail, health, accommodation, food and a number of professional services. The existing streetscape is characterized by ground level activation as well as mature trees along street edges.

- i. The design acknowledges the scale, texture and colours of the neighbours across Dover Road, Ian Street and Ian Lane.
- ii. The presentation to Dover Road and Ian Street is a freestanding four storey mixed use building with ground level activation and residential above, and it appears to Ian Lane as a 3-storey residential building.
- iii. The design has responded to the existing streetscape and neighbourhood characters by:
  - Proposing ground level retail activation at the corner of Dover Road and Ian Street, directly opposite Parasi's Food Hall across Dover Road and Fish At The Bay across Ian Street;
  - Keeping four existing mature trees in a setback along the east boundary which adjoins a residential zone.

#### Principle 2: Built Form and Scale

There are a variety of architectural forms with general heights of 1-2 storeys and maximum 4 storeys in the area. The immediate context to Ian Street car park site includes:

- 1-2 storey pitch roofed residential buildings right against the south boundary;
- 1-2 storey pitch roofed residential buildings and a 3-storey modern built form to the west across Dover Road;
- 1 storey pitch roofed buildings and a 3-storey residential flat to the north across Ian Street;
- 4-storey modern residential flat to the east across Ian Lane.

- i. The proposal has a four storey modern built form to respond to the existing bulk and scale in the surrounding building context.
- ii. The proposed building is setback:
  - 4m from the eastern boundary, which is against Ian Lane, a narrow street, to allow for a comfortable scale between the proposed and the existing built forms;
  - 6m from the southern boundary to give good separation and respect to the existing 1-2 storey residential blocks to the south.

#### Principle 3: Density

- i. The proposed density is appropriate to the site, which is consistent with the density of Rose Bay Centre area.
- ii. The proposed density supports the steady population growth in the area. Refer NSW population projections Sydney Metro LGA data 2016 on Department of Planning and Environment website.
- iii. Increasing residential density in and around commercial centres is good planning practice as it encourages walking and can reduce vehicle use.
- iv. The proposed density can be well sustained by existing infrastructure, public transport, community facilities and the environment.

#### Principle 4: Sustainability

- i. Design to achieve a high percentage of apartments with natural cross ventilation and sunlight for the amenity and liveability of residents.
- ii. Opportunities to increase natural light and ventilation are encouraged on the upper level, through the roof.
- iii. Natural light and ventilation to the central corridor.
- iv. Passive thermal design for ventilation, heating and cooling to reduce the reliance on technology and operation costs.
- v. Solar panels mounted on roof.
- vi. Water efficient fittings to be used.
- vii. Deep soil zone for ground water recharge and vegetation.

#### Principle 5: Landscape

- i. The existing mature trees along east boundary are retained within the proposed deep soil zone, which contribute to the local context, micro-climate, habitat values and residents amenities.
- ii. Communal open space is proposed within the 6m setback zone along the south boundary. The design optimises useability, privacy for both residents and neighbours, and opportunities for social interaction, quiet contemplation and high amenity. It also provides for practical establishment and long term management.

#### Principle 6: Amenity

The design provides good amenities for both the residents and the neighbours, including appropriate room sizes, access to sunlight, natural ventilation, outlook, visual and acoustic privacy and easy accessibility for different age groups and degrees of mobility.

#### Principle 7: Safety

- i. Each use within this mixed use building has its own address and frontage, which provides clear entry point.
- ii. The public and private spaces are clearly defined and fit for the intended purpose.
- iii. A positive relationship between public and private spaces can be achieved through clearly defined secure access points, which are carefully located at the appropriate location for the intended purpose, well-lit and easily maintained.
- iv. Passive surveillance of public and communal areas are maximised to promote safety.

**Principle 8: Housing Diversity and Social interaction**

- i. A mix of apartment sizes relating to the future demographic of the area have been considered in the design.
- ii. Communal space and facilities are provided to provide opportunities for social interaction among residents.

**Principle 9: Aesthetics**

- i. The design achieves a built form that has good proportions and a balanced composition of materials, elements, colours and textures.
- ii. The built form design reflects the internal layout and structure.
- iii. The visual appearance of the building responds to the existing local context, particularly the building textures and colours and the repetitions of the streetscape.

Yours faithfully  
ALLEN JACK + COTTIER



Michael Heenan  
CEO, Principal Design



## 5 ARCHITECTURAL CONCEPTS

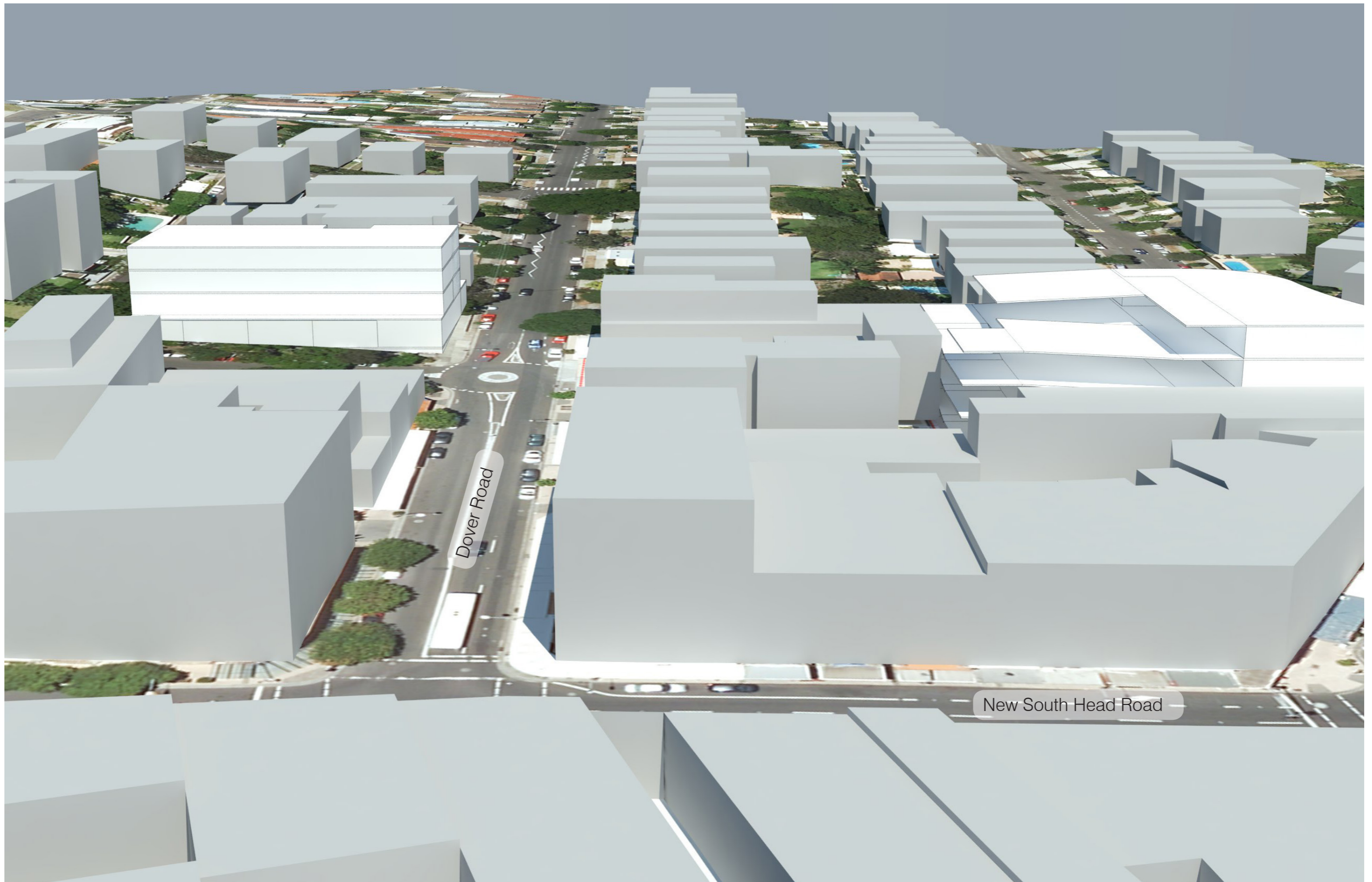
### 5.3 Key Views From 3D Massing Model \_Aerial View Toward North





## 5 ARCHITECTURAL CONCEPTS

### 5.3 Key Views From 3D Massing Model \_ Aerial View Toward Southeast





## 5 ARCHITECTURAL CONCEPTS

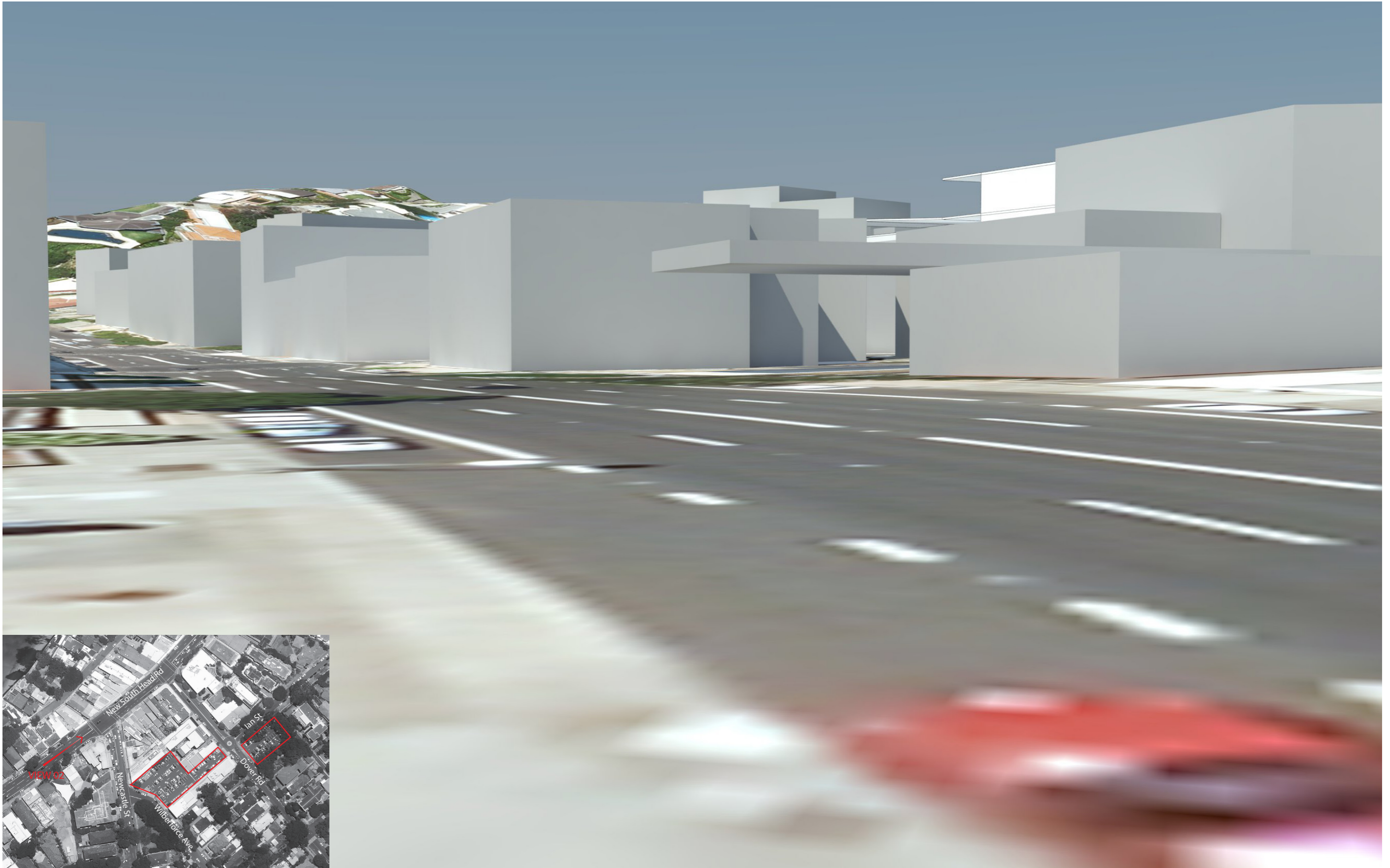
### 5.3 Key Views From 3D Massing Model \_ Street View01 from New South Head Road Toward Wilberforce Avenue Site





## 5 ARCHITECTURAL CONCEPTS

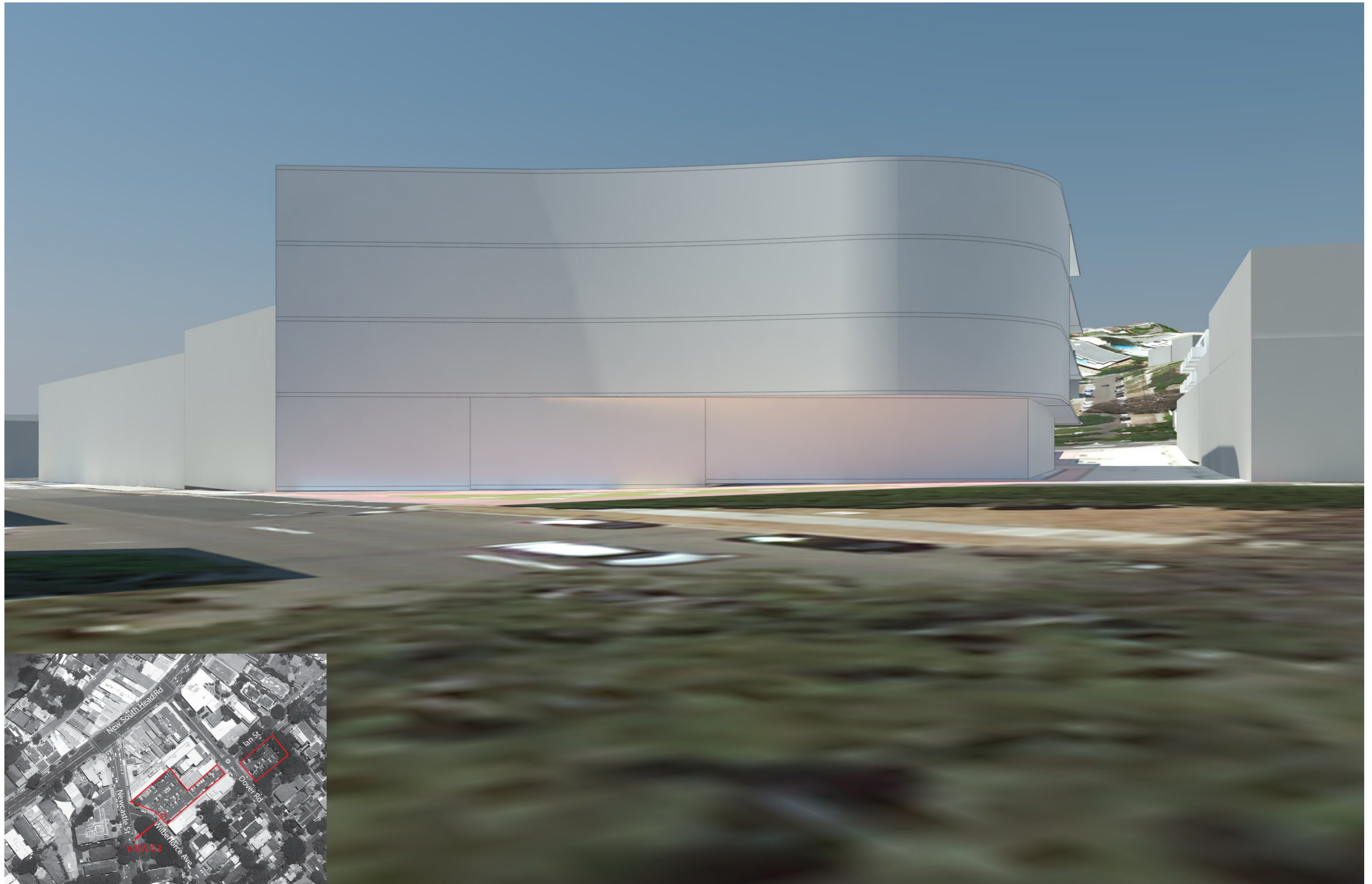
### 5.3 Key Views From 3D Massing Model \_ Street View02 from New South Head Road toward Northeast





## 5 ARCHITECTURAL CONCEPTS

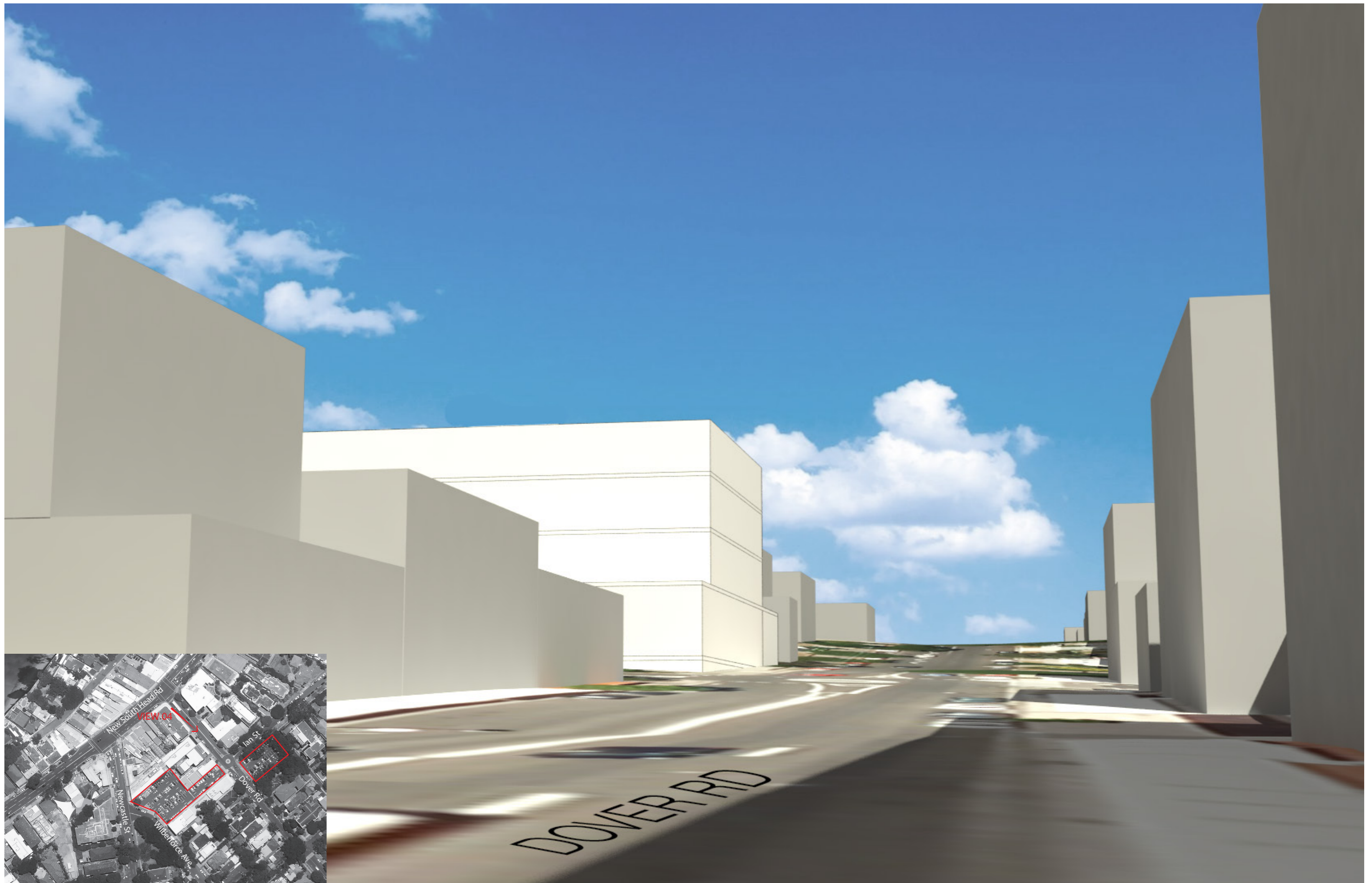
### 5.3 Key Views From 3D Massing Model \_ Street View03 From Panerong Reserve Toward Wilberforce Avenue Site





## 5 ARCHITECTURAL CONCEPTS

5.3 Key Views From 3D Massing Model \_ Street View04 From Dover Road Toward Ian Street Site On Southeast





## 5 ARCHITECTURAL CONCEPTS

### 5.3 Key Views From 3D Massing Model \_ Street View05 From Dover Road Toward Ian Street Site On Northeast



## 5 ARCHITECTURAL CONCEPTS



## 5 ARCHITECTURAL CONCEPTS

### 5.4 Solar Study \_ 9am Mid-Winter





## 5 ARCHITECTURAL CONCEPTS

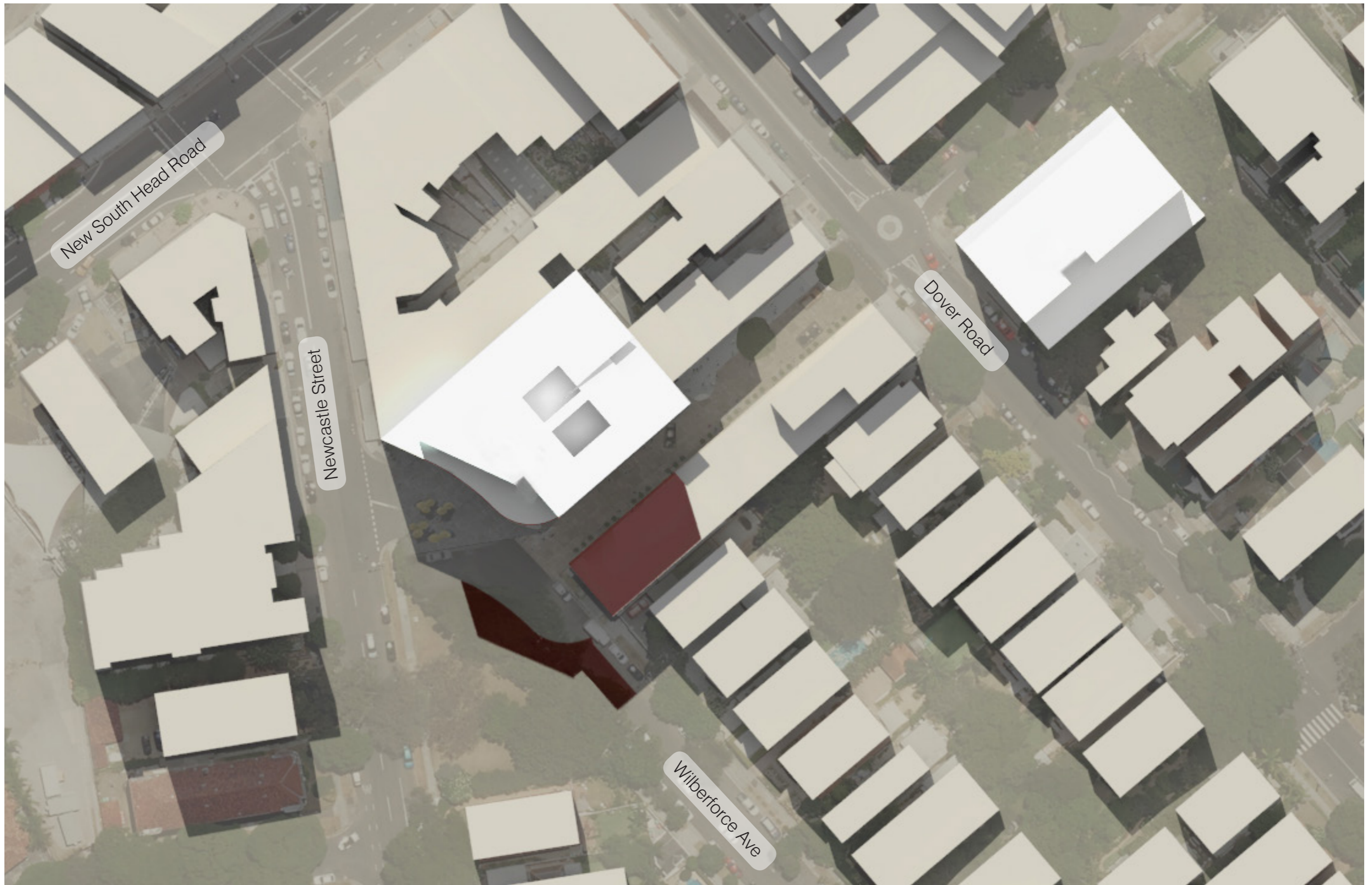
5.4 Solar Study \_ 12pm Mid-Winter





## 5 ARCHITECTURAL CONCEPTS

### 5.4 Solar Study \_ 1pm Mid-Winter





## 5 ARCHITECTURAL CONCEPTS

5.4 Solar Study \_ 2pm Mid-Winter





## 5 ARCHITECTURAL CONCEPTS

### 5.4 Solar Study \_ 3pm Mid-Winter



# ROSE BAY CAR PARKS URBAN DESIGN STUDY

WOOLLAHRA COUNCIL





Allen Jack+Cottier Architects Pty Ltd  
ABN 53 003 782 250

Principals + Nominated Architects  
Michael Heenan 5264  
Peter Ireland 6661

Sydney Office  
79 Myrtle Street Chippendale  
NSW 2008 AUSTRALIA  
tel +61 2 9311 8222  
fax +61 2 9311 8200

[architectsajc.com](http://architectsajc.com)

