

# SITE ANALYSIS

KAMIRA AVENUE VILLAWOOD STAGE 02

#### SITE ANALYSIS

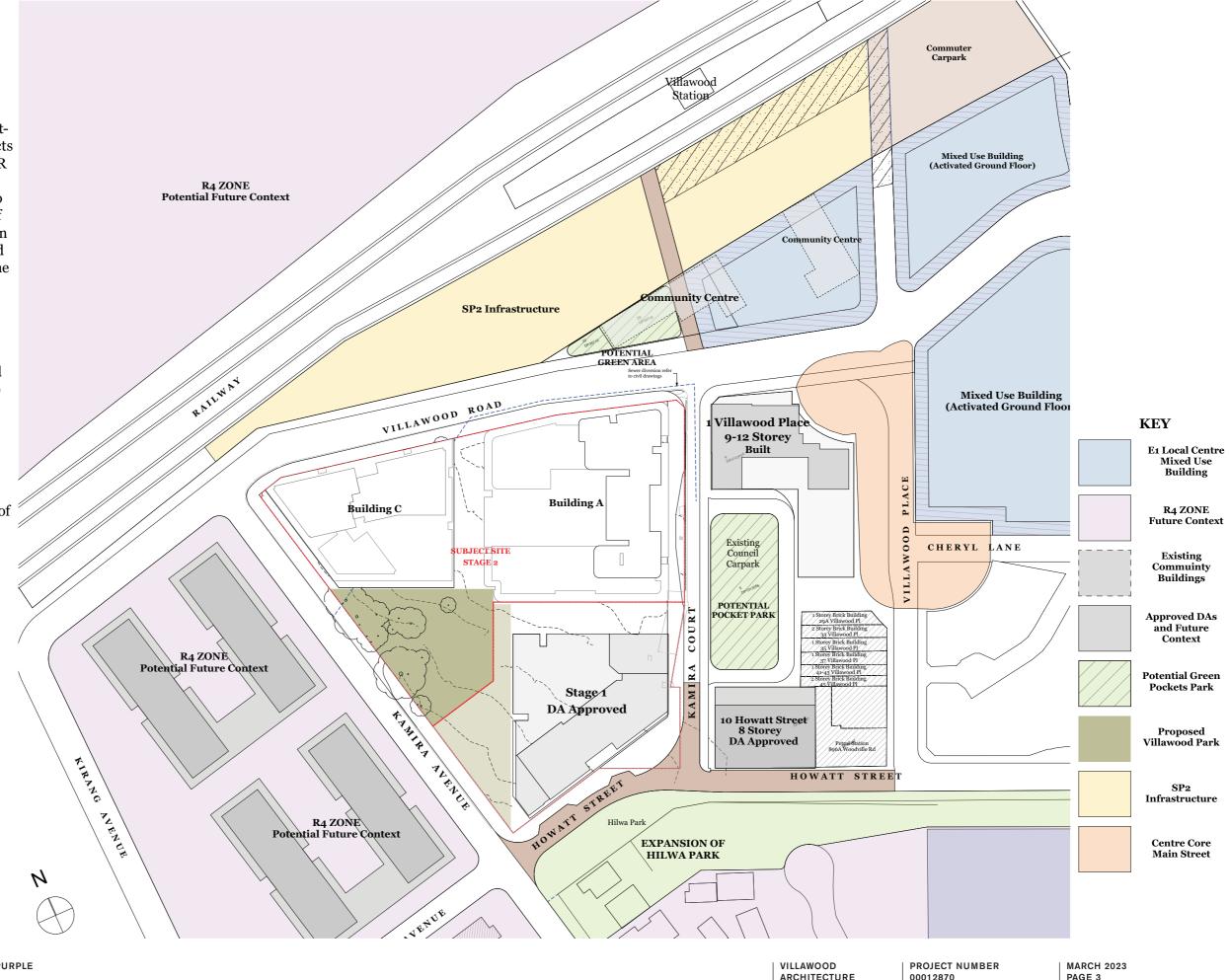
### SITE ANALYSIS

#### **Council Comments**

Accordingly, the 3D modelling shall be updated to include a schematic/conceptbuilt form of the R4 residential precincts to the west and south. The current UDR presents these sites as single storey dwellings. It would also be beneficial to understand what is happening north of Villawood Road adjacent the rail line on the mixed-use site to better understand the character of Villawood Road and the gateway when arriving from the west and east.

The site analysis shall be updated to indicate the current Development Applications for adjacent buildings and the potential massing of the R4 sites to west and south.

The analysis plans shall include all public parks and street verges/public domain, major infrastructure such as substations etc in adjacent sites including Hilwa Park to provide a comprehensive analysis of the context of the town centre.



# **OVERSHADOWING**

#### **Council Comments**

The urban design approach and the solar assessment of Stage 2 must include more detailed description of the impacts on all neighbours including Stage 1 development, as well as existing and approved buildings/DAs on neighbouring properties such as Villawood Place and Pedestrian Mall.

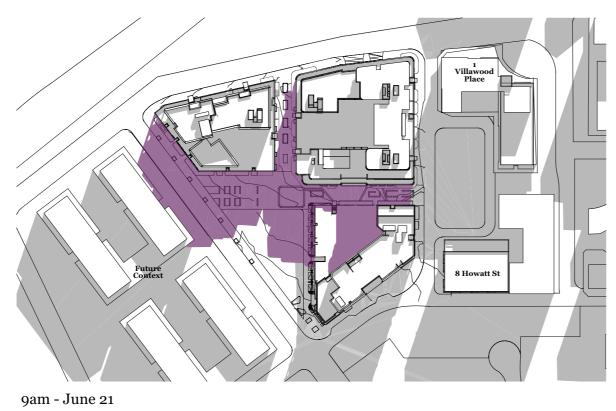
#### Response

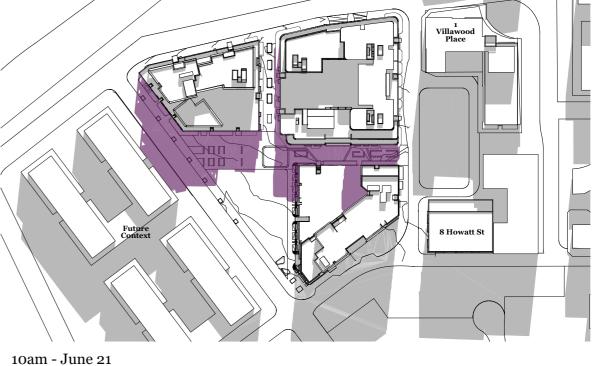
1 Villawood Place receives solar from 9am to 1pm

South and West Future R4 Zone receives solar from 11am to 3pm

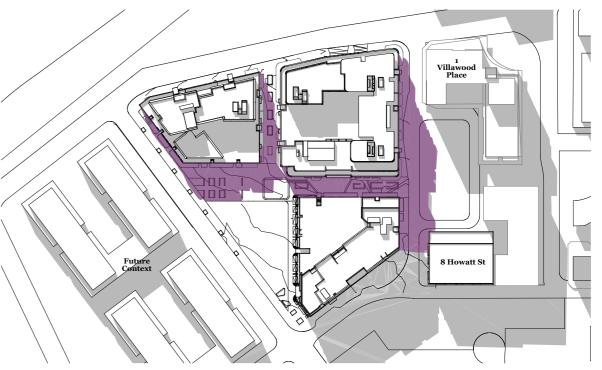
8 Howatt street receives solar from 9am to 12pm

Stage 1 receives solar from 12pm to 3pm









12pm - June 21

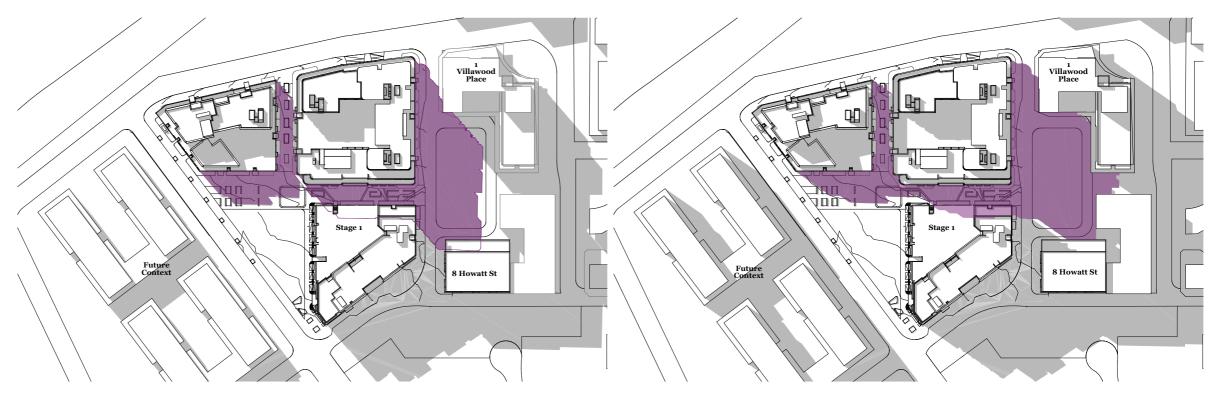
Shadow Analysis

Building A & C Shadows

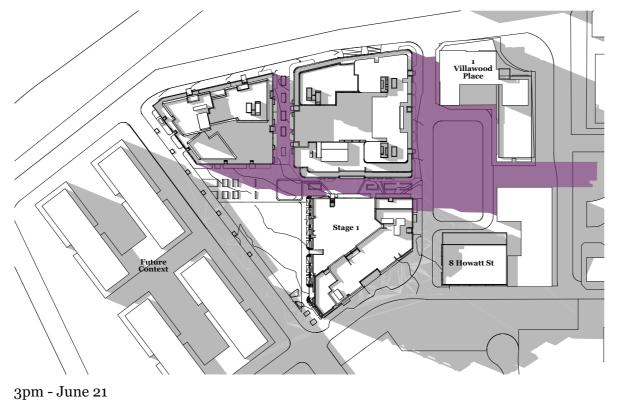
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11am - June 21

# **PROPOSED**







Shadow Analysis

Building A & C Shadows

# **GROUND LEVEL AMENDMENTS**

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# **GROUND LEVEL**





# SUBMITTED DA

# **REVISED**

Medical Centre Relocated

6 Residential Units facing Kamira Ave and Pedestian Link

2 New Residential lobby entrances from Villawood Road

Childcare centre removed

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#### **GROUND LEVEL AMENDMENTS**

### **NEW LOBBY ENTRIES**

#### **Council Comments**

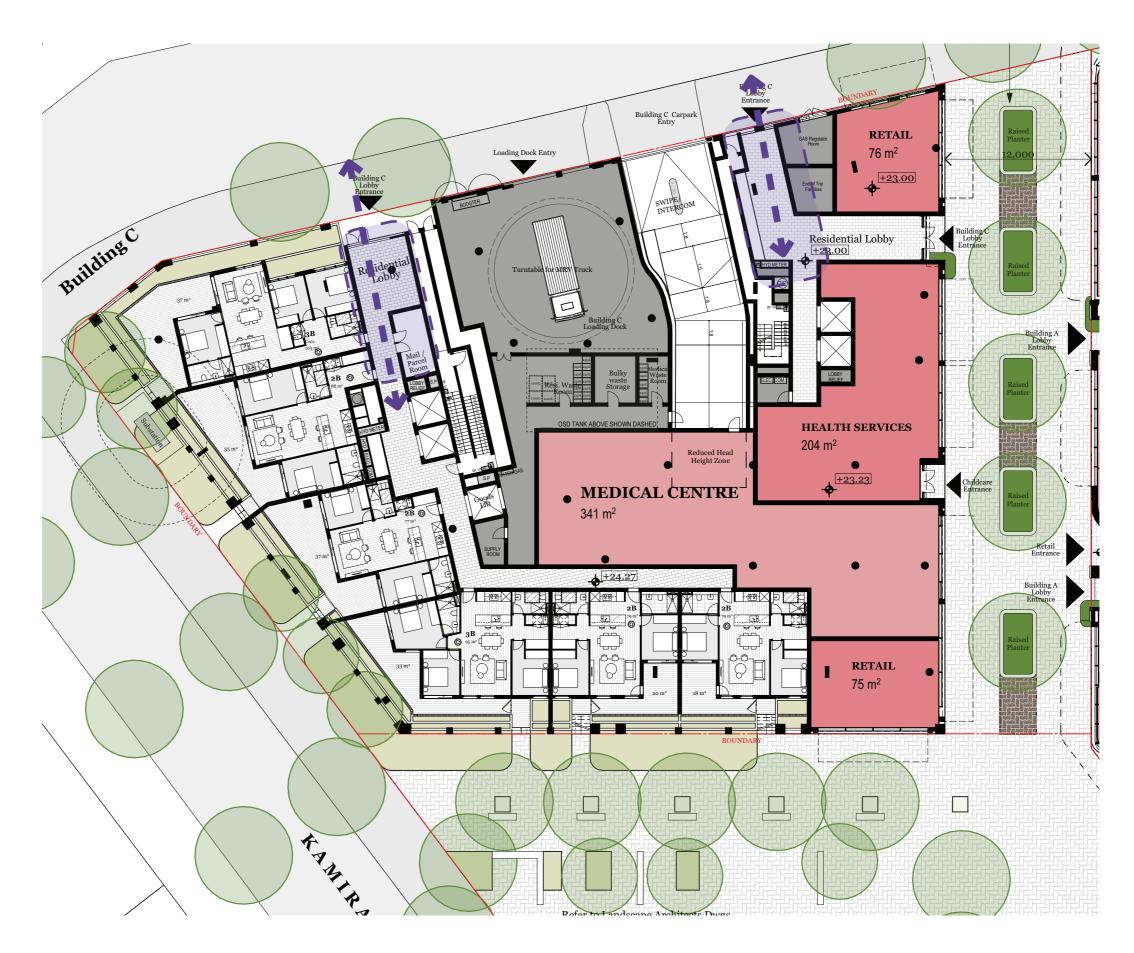
Clause 4.14 (Active Street Frontages) of the DCP requires actives frontages and pedestrian links to be provided to encourage pedestrian activity to interact with the active shop fronts to create a positive, usable and attractive space.

The provision of the back of house areas, a substation and extensively screened facades along the childcare centre elevations on the ground floor results in loss of opportunity for street activation and connectivity to the proposed public park.

Accordingly, it is considered that this arrangement is not consistent with the objectives of the DCP. The applicant shall consider relocating the back of house areas into the basement and reconsider the location and design of the childcare centre in order to provide active uses on the ground level. Furthermore, the substation shall be provided within the building to reduce the visual impact of this structure.

#### Response

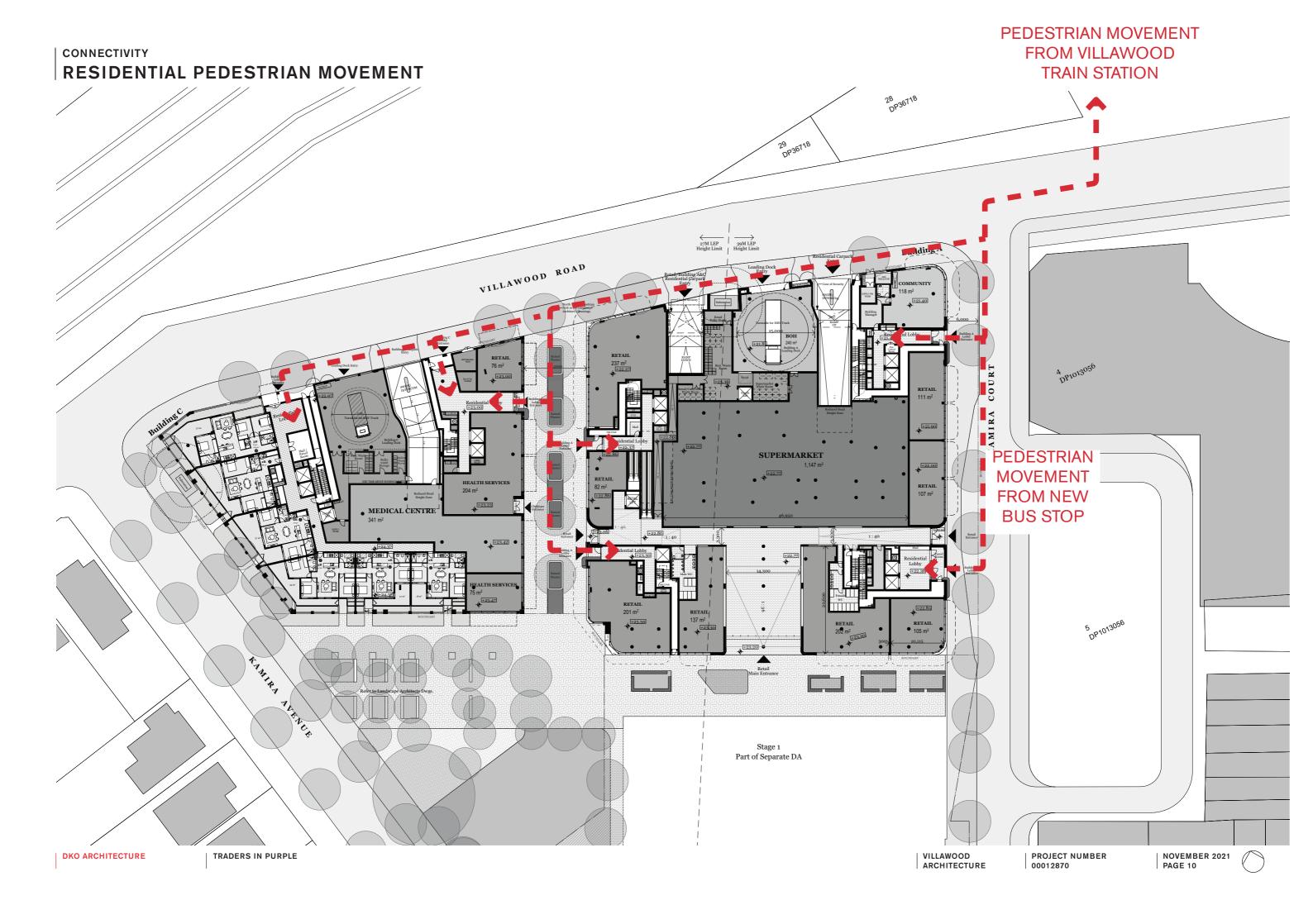
New lobby entries have been introduced to Villawood road to provide a street address and reduce the back of house visual impacts

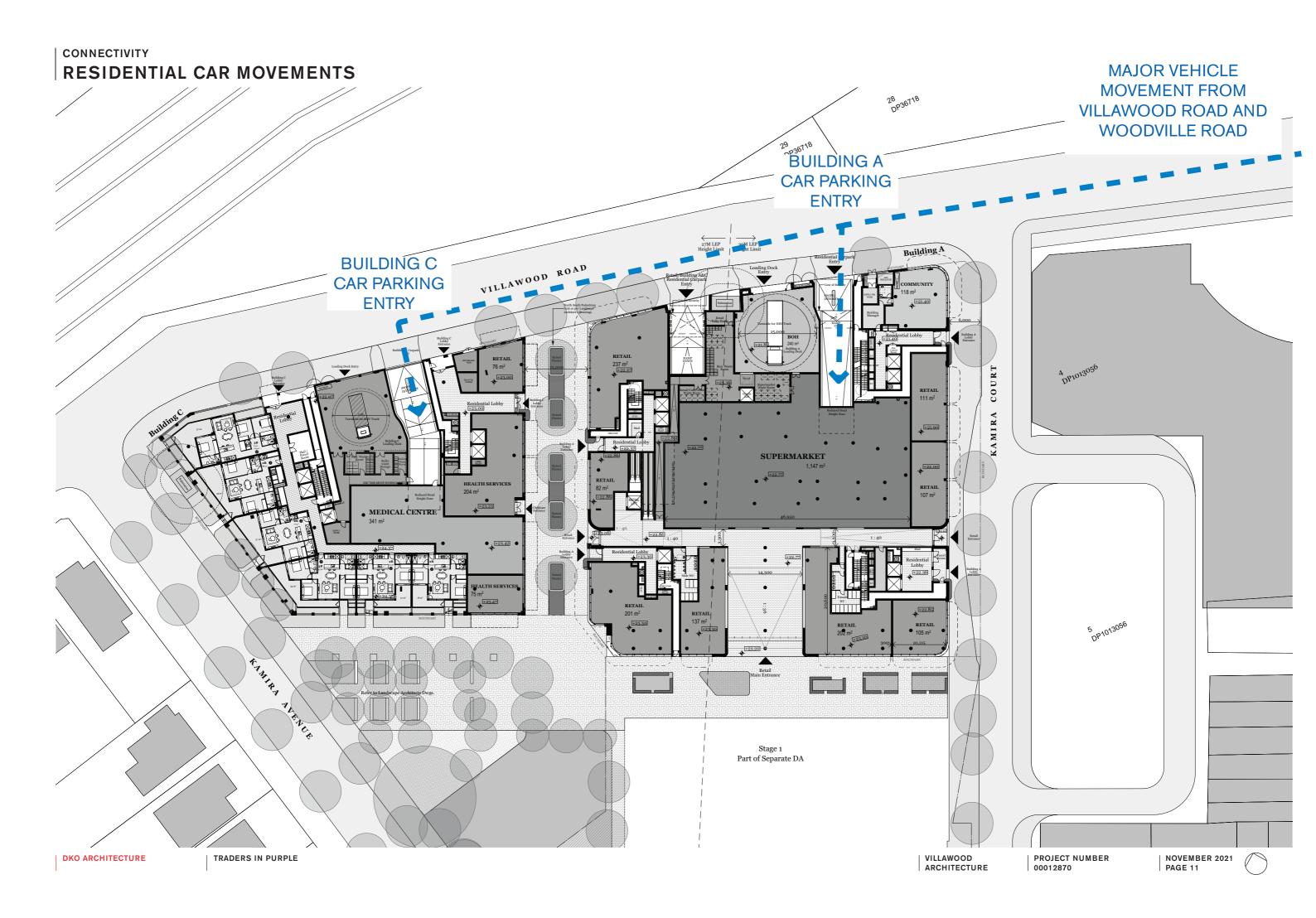


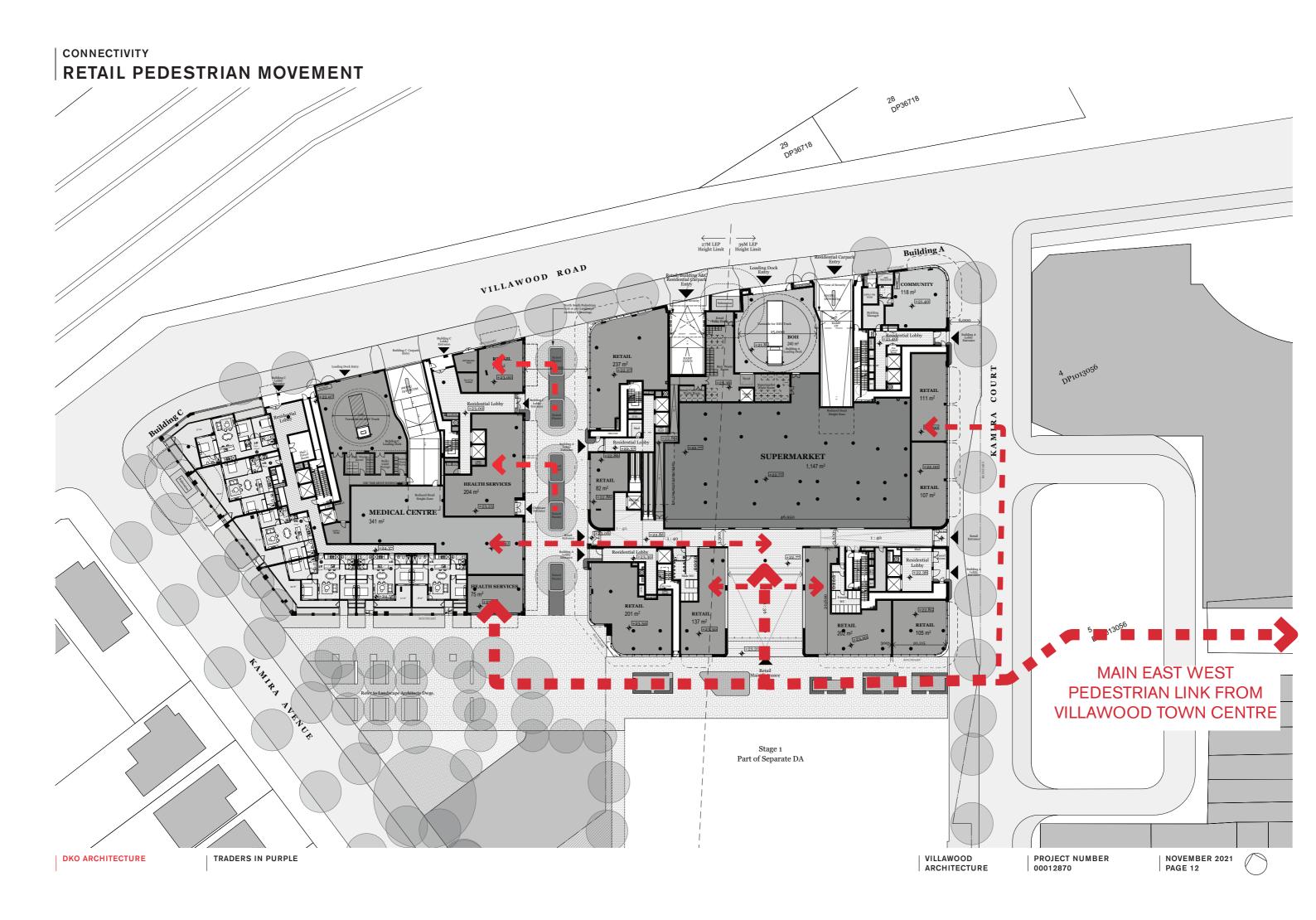
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# CONNECTIVITY

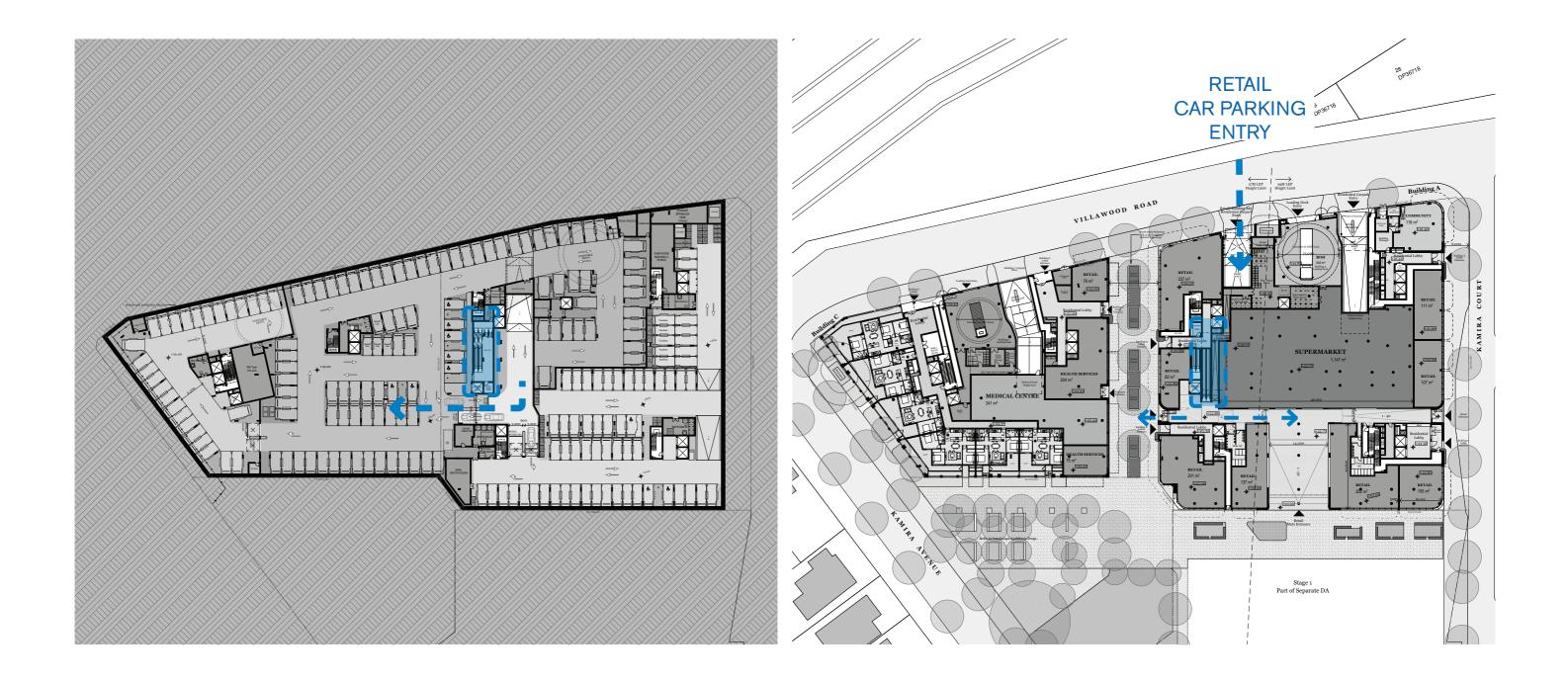
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# **RESIDENTIAL CAR MOVEMENTS**





# **ACTIVE STREET FRONTAGE DA**



# **ACTIVE STREET FRONTAGE REVISED**



### **GREEN BUFFER TO VILLAWOOD ROAD**



# **BUILDING DESIGN**

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# **BUILDING C SOUTH ELEVATION**

#### **Council Comments**

Building C (Western Block) could be improved to incorporate more grounded deep soil central zones to provide more access to light, ventilation and open space.

Remove the podium car park to provide greater landscaped areas, internal courtyard areas and reduce the bulk and scale/visual impacts from the extent of the podiums and add variety to design including definitive corner residential units with well-articulated corner, especially for Block C where the car park is located on south and western elevations.

#### Response

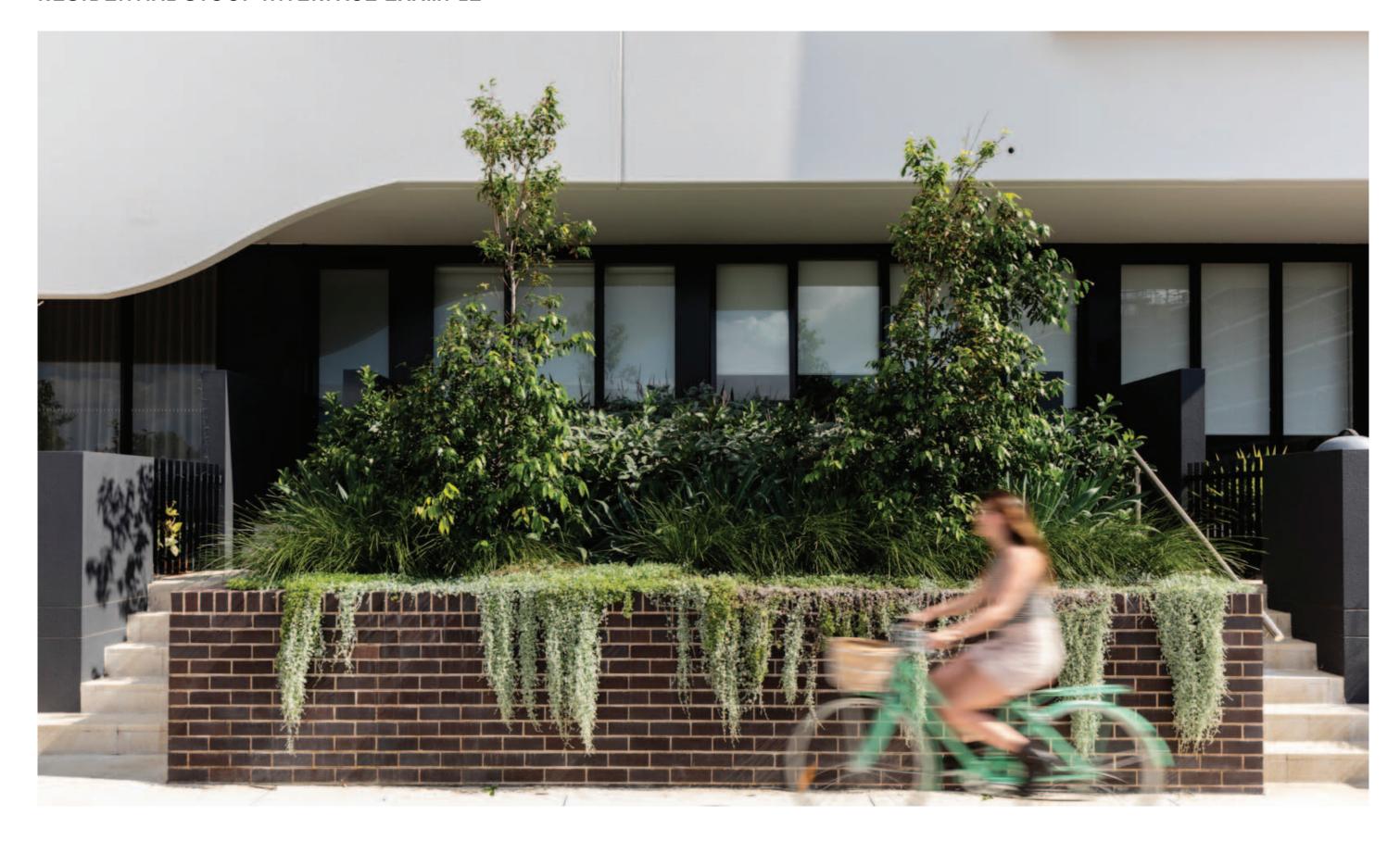
Building C (Western Block) could allows for deep planting zones with trees surrounded on western and south edge.

Introduction of residential units to the ground level provides with activation to ground and planters that provide visual softening the facade



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# RESIDENTIAL STOOP INTERFACE EXAMPLE

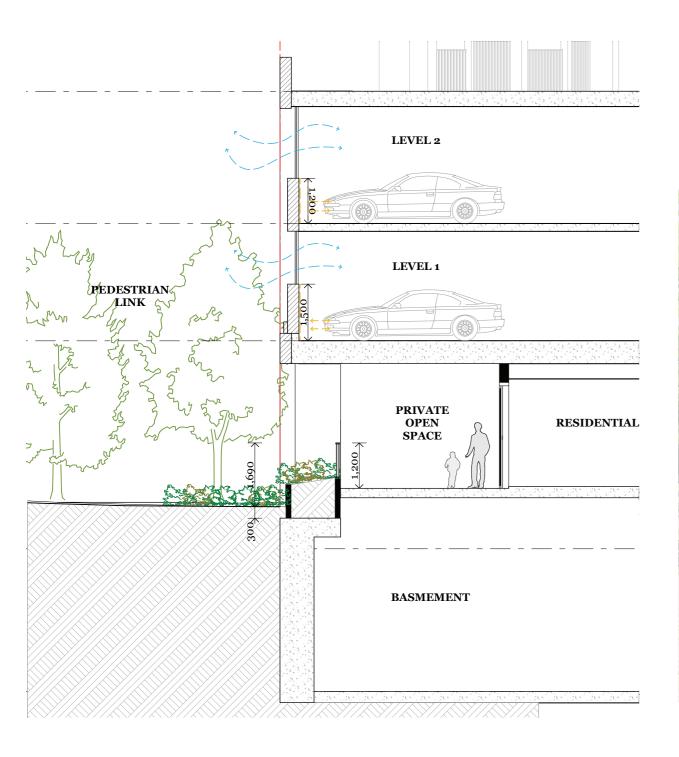


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# RESIDENTIAL INTERFACE





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# **BUILDING C WEST ELEVATION**



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# **SIGNATURE BUILDING - KEY CORNER**



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#### **Council Comments**

Create a signature building with more character onto the park corner at building B (Perspective 2) this could include the upper levels which are currently shown as dark recessive as same material and incorporate curves in plane and /or elevation to deliver a destination building visible across the park.

#### Response

The dark recessive elements have been removed and further curves have been incorporated within the upper levels to create a signature building with character on the corner of the park. Delivering key destination with in the master plan precinct of all three buildings.

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# **VARIETY TO PODUIM**



# **VARIETY TO PODUIM**



### **Council Comments**

Create additional breaks in buildings to reduce the monolithic appearance and provide a clearer picture of individual buildings rather than one.



### Response

Provide additional breaks within the podium Varying height in the gateway to the pedestrian link

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# **BUILDING A RESIDENTIAL LOBBIES**





#### **Council Comments**

Façade to be improved by providing defined lobbies, roof and additional use of bricks in upper levels, particularly the NE elevation of Block A.

Provide some buildings with sense of being grounded on the site with identifiable destinations and lobbies.

#### Response

Each Residential unit is identifiable through the curved entry feature and brick detailing on each side.

The retail stores around the ground plane have been frame with white portal frame and awnings within the glazing

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# MAIN SUPER MARKET ENTRY





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# **BUILDING SEPARATION DISTANCES**

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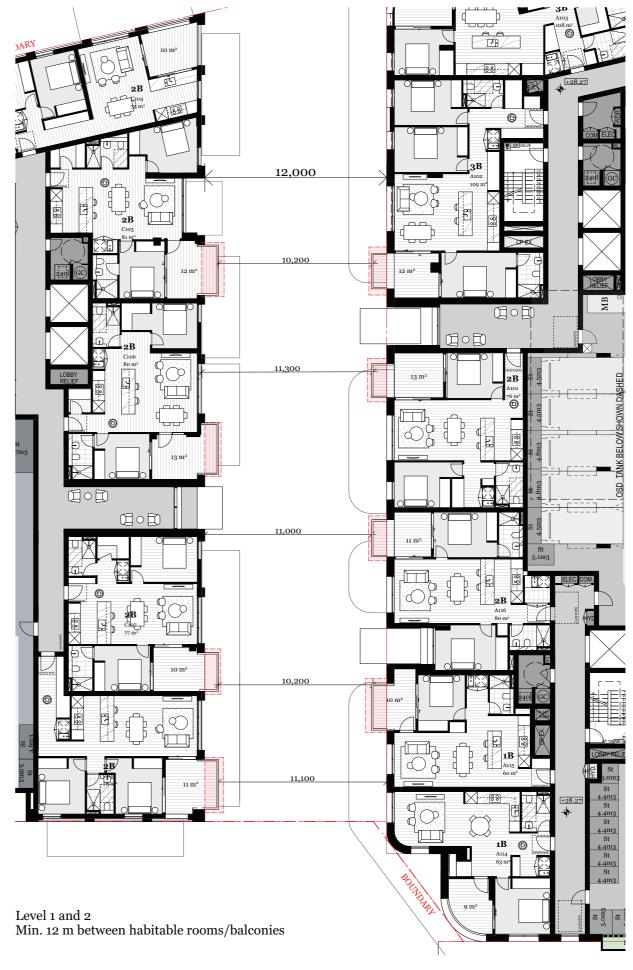
# NORTH SOUTH PEDESTRIAN LANE WAY

#### **Council Comments**

**Building Separation Distances** The proposed building separation distances do not comply with the ADG requirements: Across the new north-south pedestrian laneway balconies and windows for levels 1 and 2 face each other with less than the required 12 metres.

### Response

The balconies provide articulation and passive surveillance to the lane way.





# STAGE 01 - 02 SETBACK

#### Considerations in setting building separation controls

Design and test building separation controls in plan and section

Test building separation controls for sunlight and daylight access to buildings and open spaces

Minimum separation distances for buildings are:

Up to four storeys (approximately 12m):

- · 12m between habitable rooms/balconies
- · 9m between habitable and non-habitable rooms
- · 6m between non-habitable rooms

Five to eight storeys (approximately 25m):

- · 18m between habitable rooms/balconies
- · 12m between habitable and non-habitable rooms
- · 9m between non-habitable rooms

Nine storeys and above (over 25m):

- · 24m between habitable rooms/balconies
- · 18m between habitable and non-habitable rooms
- · 12m between non-habitable rooms

Building separation may need to be increased to achieve adequate sunlight access and enough open space on the site, for example on slopes

Increase building separation proportionally to the building height to achieve amenity and privacy for building occupants and a desirable urban form

At the boundary between a change in zone from apartment buildings to a lower density area, increase the building setback from the boundary by 3m

No building separation is necessary where building types incorporate blank party walls. Typically this occurs along a main street or at podium levels within centres

Required setbacks may be greater than required building separations to achieve better amenity outcomes



Level 1 (2nd Storey) Min. 9m between habitable rooms/balconies

Compliant



Level 2 ( 3rd Storey) Min. 12m between habitable rooms/balconies

Compliant



Level 3 (4th Storey) Min. 12m between habitable rooms/balconies

Compliant



# STAGE 01 - 02 SETBACK

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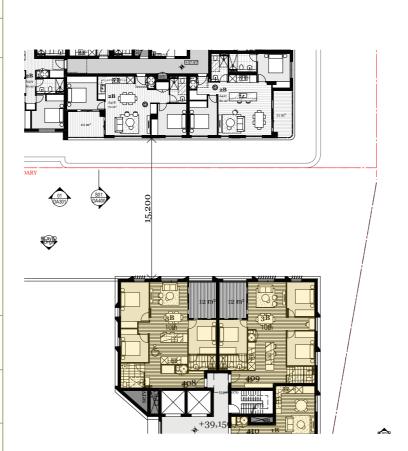
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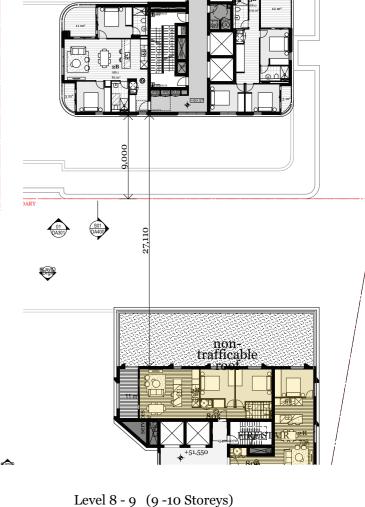
Level 4 (5th Storey) Min. 18m between habitable rooms/balconies

#### **Privacy Screens Provided**



Level 5 - 7 (6 - 8 Storeys)
Min. 18m between habitable rooms/balconies

#### **Compliant**



Min. 24m between habitable rooms/balconies

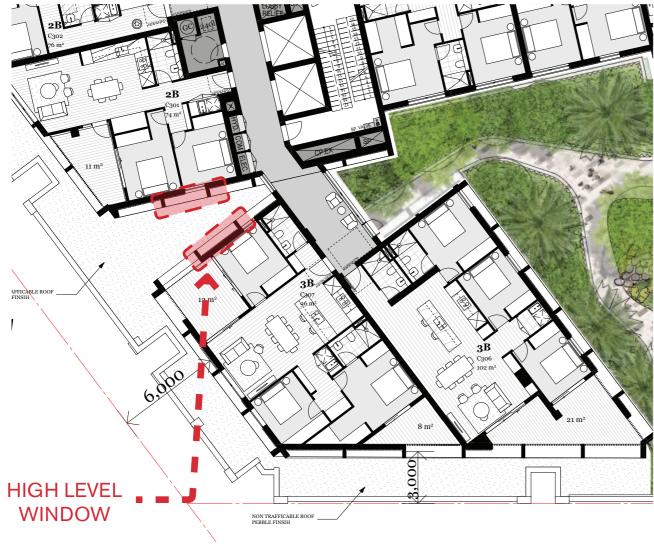
#### Compliant



# **BUILDING A**



Level 3 Typical

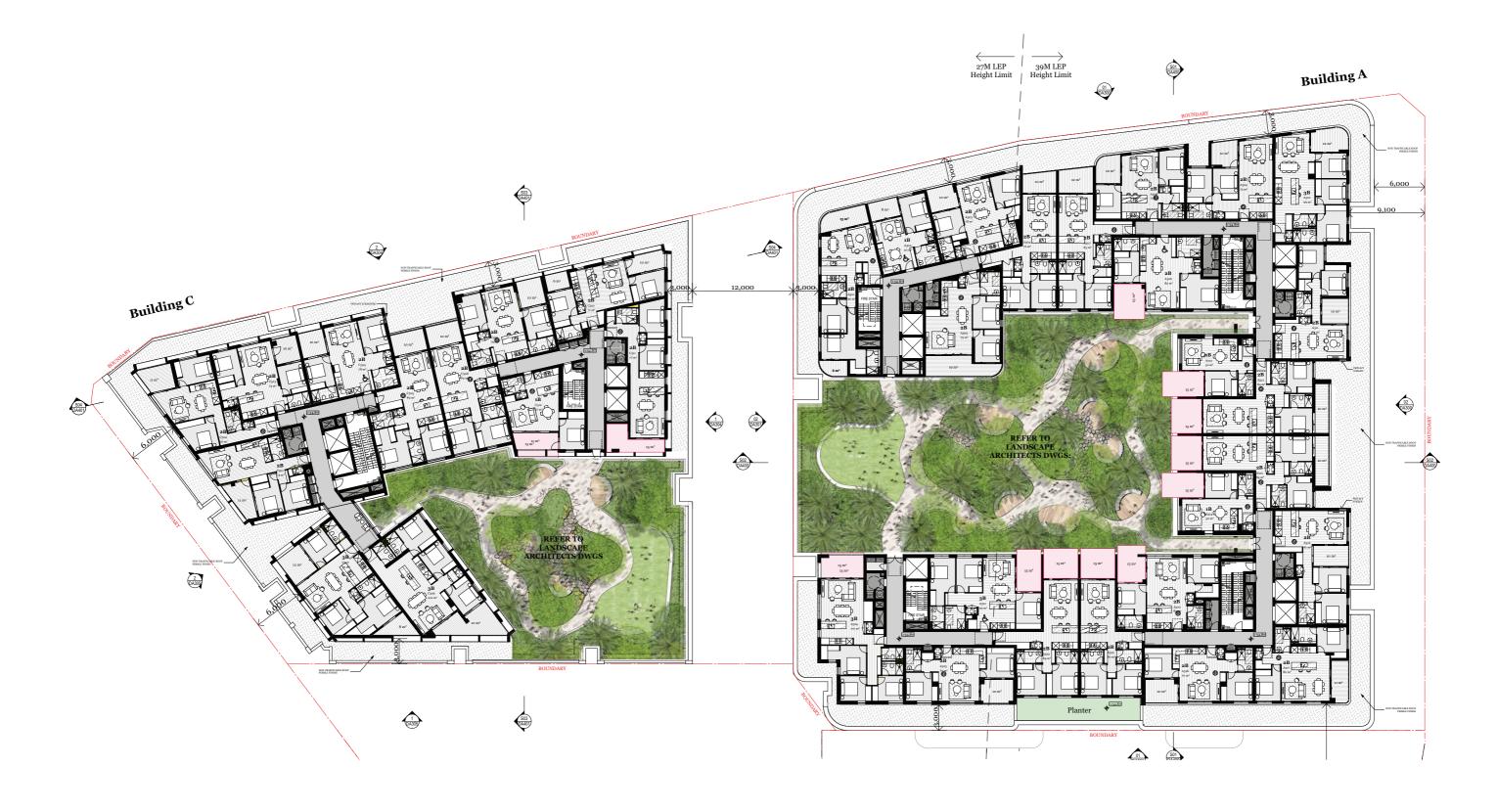






# PRIVATE OPEN SPACE

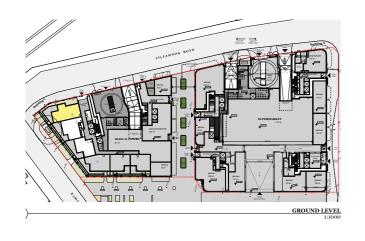
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# UNIT/ROOM SIZE AND DIMENSIONS

# **SOLAR ACCESS**







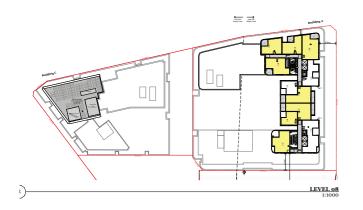


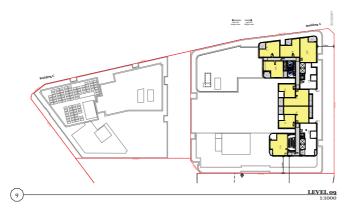














## Solar Analysis

Solar access to units (min. 2 hours) No solar access to units



#### Solar Building A

110/158 **70%** 

#### Solar Building C

49/70 **70%** 

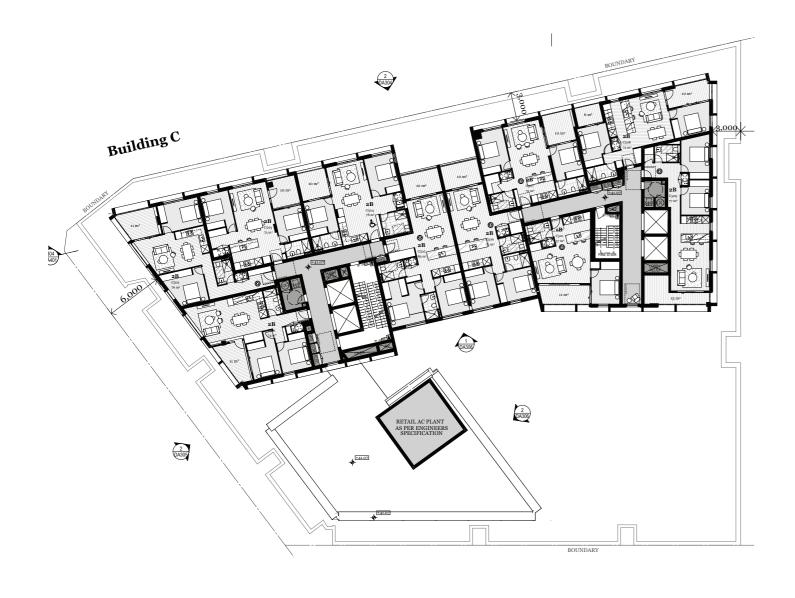
### Total Solar

159/228 7**0%** 

Total No Solar Building A No Solar: 13/158 (8%) Building C No Solar: 7/70 (10%)

Total No Solar: 20/228 10%







# **CROSS VENTILATION**

## **CROSS VENTILATION**

# LETTER TO BE PROVIDED

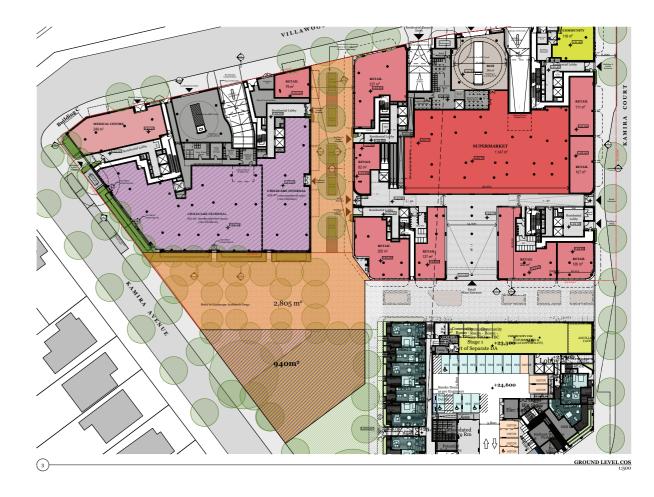


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# **COMMUNAL OPEN SPACE**

## **CALCULATIONS**





# STAGE 1 PART OF SEPARATE DA LEVEL 07 COS

#### Communal Open Space & Deep Soil Area

Communal Open Space Deep Soil Area

Site Area: 10958 m²

Required COS: 3288m² (30 %) - DCP Required Deep Soil: 767m² (7%)

#### Ground Level Communal Open Space

Building A Communal Open Space

 $\frac{\textit{Building C Communal Open Space}}{L_3} \\ \qquad L_7$ Lз 1162m<sup>2</sup>

Overall Communal Open Spae **50**%

Deep Soil Area

Deep Soil Coverage of whole site

1582m<sup>2</sup>

5549m<sup>2</sup>

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# FLOOR SPACE RATIO

#### FLOOR SPACE RATIO

## **GFA CALCULATIONS**



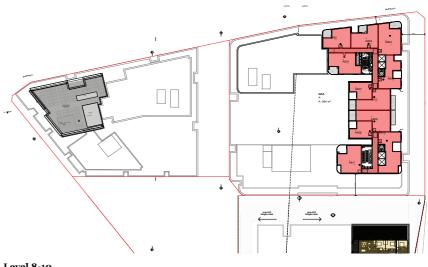
Ground Floor GFA: 6084m²



**Level 1-2** GFA: 2547m<sup>2</sup>



**Level 3-4** GFA: 3253m<sup>2</sup>



**Level 8-10** GFA: 994m<sup>2</sup>

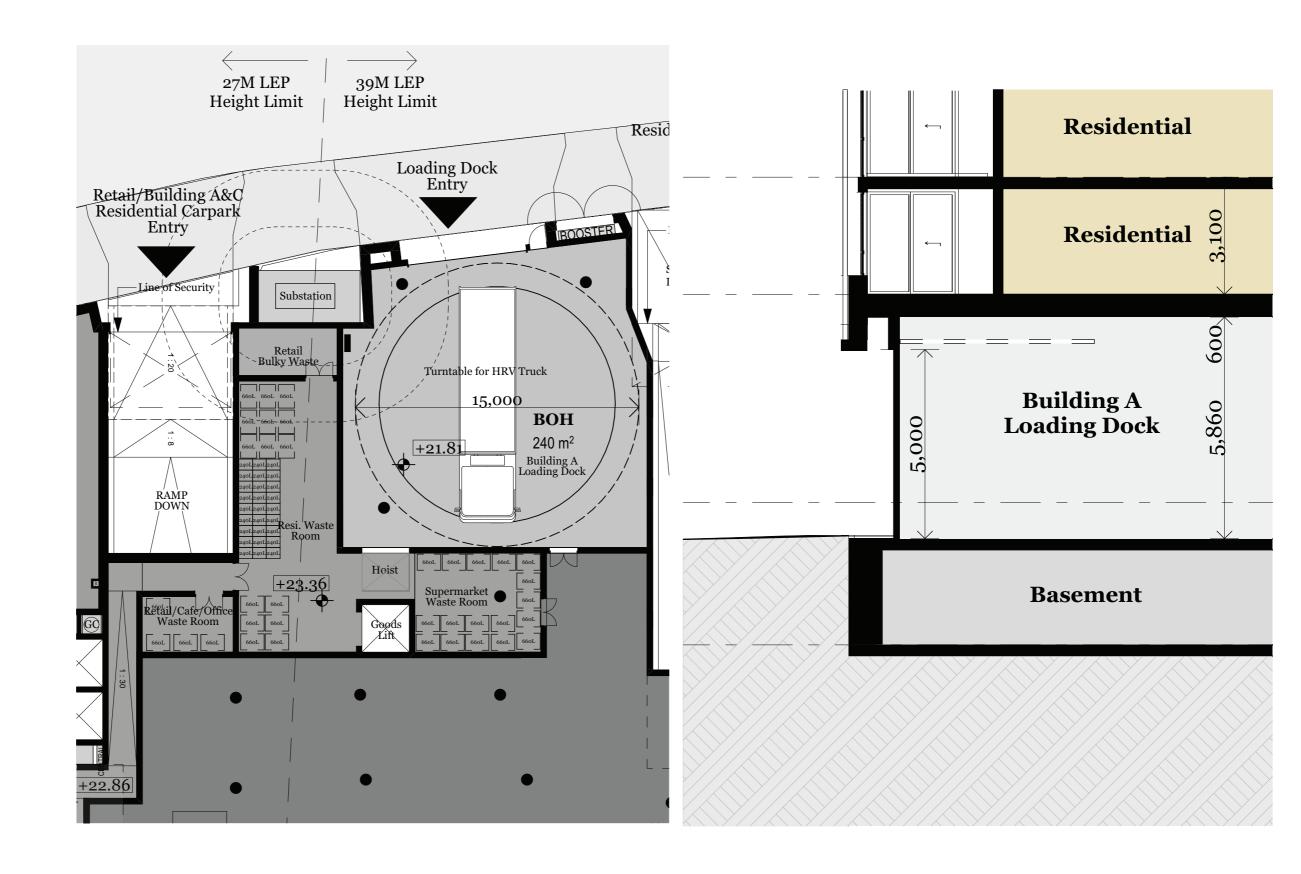
GFA Calculations

Calculated Area	
Ground	5643m²
Level 1	2547m²
Level 2	2547m²
Level 3	3253m²
Level 4	3253m²
Level 5	2388m²
Level 6	2388m²
Level 7	1347m²
Level 8	994m²
Level 9	994m²
Level 10	994m²
TOTAL GFA	26348n
SITE AREA	10958m
Allowable FSR	2.5:1
Proposed FSR	2.44:1

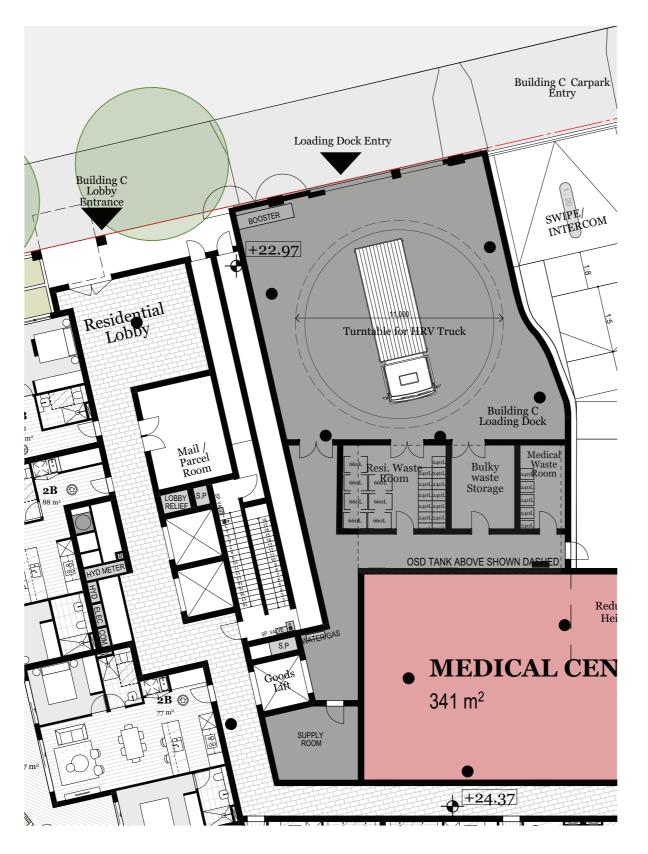


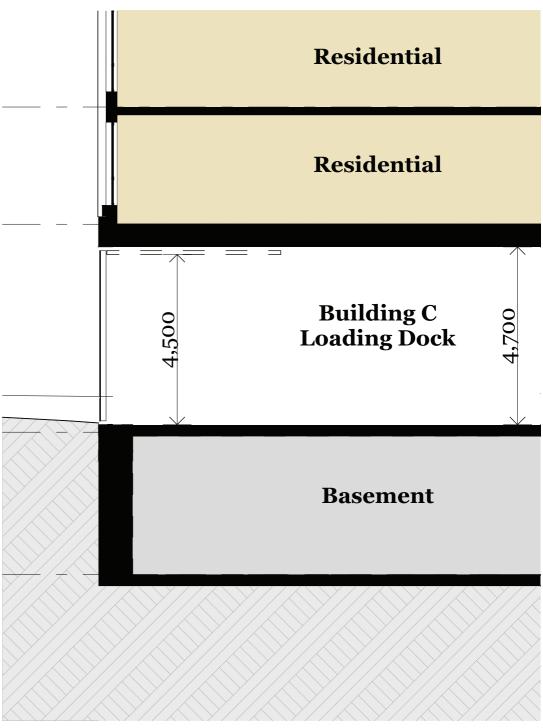
# **WASTE**

## LOADING AREAS AND WASTE BINS



## LOADING AREAS AND WASTE BINS





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