

# **Appendix 1 – Urban Design Report**



# 263-293 & 277-281 PENNANT HILLS ROAD CARLINGFORD October 2023

URBAN DESIGN REPORT REVISION 2

# **PROJECT CONTACT**

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Fender Katsalidis gratefully acknowledge the consultant team who were integral to the preparation of this design concept.

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ESD/BASIX	Integreco
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We confirm that Rob Mirams has directed the design of this residential project from masterplan to apartment design. He has worked alongside a professional consultant team to produce a development that is respectful of local planning and design controls.

Rob Mirams is a Registered Architect in New South Wales and a member of the Australian Institute of Architects. Registration number is 7272. He is a qualified Architect with extensive experience in the design of residential housing developments of varying scale.

Fender Katsalidis Architects verify that the design quality principles and requirements set out in the State Environmental Planning Policy No 65 – Design Quality of Residential Apartment Development have been achieved.

Rob Mirams Director Registered Architect NSW, No. 7272

# **ACKNOWLEDGMENT OF COUNTRY**

Fender Katsalidis acknowledges the Traditional Custodians of the land on which we operate, live and gather. We recognise their continuing connection to land, water and community. We pay respect to Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

The Fender Katsalidis team is made up of 160 designers and architects located across our three Australian studios in Melbourne, Sydney and Brisbane. Our practice is diverse and built around a broad and varied project portfolio

Our team is built on a strong and trusted foundation in the architecture and design industry. Our knowledge and expertise spans decades, while our experience and body of work is highly valued for its contribution and longstanding impact within the industry. Our unique offer includes a highly sophisticated integration of our architectural and interior design teams which allows us to take on and deliver projects of all scales, across all disciplines.



including residential, commercial, hospitality, and retail projects.



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# **1.0 INTRODUCTION**



#### **GREATER SITE CONTEXT**

The site is located 24km north west of Sydney CBD and approximately 5km northeast of Parramatta CBD. It is within the Hills Shire District. Neighboring suburbs include Dundas, Telopea and North Rocks.

The site is well serviced by existing bus and road networks. The site will become increasingly accessible upon the completion of the Parramatta light rail and active transport links.

The Carlingford Station is today a recently completed terminus of the Stage 1 Parramatta Light Rail transport proposals.

# 2.0 SITE ANALYSIS

# SITE LOCALITY (LOCAL)



#### LOCAL SITE CONTEXT

The precinct has a total site area of 27,897sqm and is one of the largest, single land holdings in the Carlingford locality.

The site's south-east boundary stretches approximately 250m along Pennant Hills Road, which is a dual-carriageway arterial road linking the suburb of Wahrooga in the northeast to the major central business district of Parramatta located in the southwest.

The site's northern boundary runs along Shirley Street which is a neighbourhood street. The boundary stretches approximately 185m along the internal street frontage from east to west and wraps around the corner at the north-western edge of the site. Its remaining boundaries are shared with neighbouring multi-residential dwellings along Shirley St and to its north, an open to sky car park area servicing several local retail outlets along Pennant Hills Road.

The Carlingford light rail station is located southwest within a 10min walking distance from site.

# SITE CONNECTIVITY (ROAD NETWORK)



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Site surrounding road networks.



# SITE CONNECTIVITY (PUBLIC TRANSPORT)

Site proximity to public transport network.



CIVIC USES



Site surrounding civic uses.

CLINIC EDUCATION CHILDCARE PARK/RESERVE PARK AMENITIES

# LOCAL ACTIVITY CENTRES



Site proximity to local activity centres.

# SITE ENVIRONMENTAL FACTORS



The site is primarily oriented toward both the southeast and northern aspects.

Significant traffic noise is generated from Pennant Hills Road which boarders the site's longest frontage.

The site receives prominent winds from the southeasterly direction annually, stronger winds from the westerly direction during winter and cooler northeasterly winds during the summer.

# SITE ATTRIBUTES



### TOPOGRAPHY

#### CONTEXT & REGULATORY PLANNING

# SITE

SITE PLANNING CONTROLS

#### 01 HEIGHT OF BUILDINGS MAP

The subject site has a height control of 27m, as outlined in the Hills LEP 2012.





#### 02 FLOOR SPACE RATIO MAP

The subject site has a FSR control of 2.3:1, as outlined in the Hills LEP 2012.



#### S LAND ZONING MAP

The subject site has been zoned for High Density Residential, as outlined in the Hills LEP 2012.

(EY	
Lone	
81	Neighbourhood Centre
82	Local Centre
84	Mood Use
22	Business Development
00	Enterprise Corridor
87	Business Park
10	National Parks and Nature Reserves
62	Environmental Conservation
63	Environmental Management
64	Environmental Living
ibit 1	General Industrial
042	Light Industrial
<b>R1</b>	General Residential
RŻ	Low Density Residential
RO	Medium Density Residential







VISUAL CONNECTIONS The site overlooks Galaringi Reserve to the southeast, the Hunts Creek Reserve to the north-west. Views of the city and major CBDs along the northern train line are a highlight of the south-east through north-easterly views. Due to topographic changes in the landscape the site is also well positioned to overlook the sports grounds and naturally forming valley the the south.

# SITE SURROUNDING BUILT FORM



Road.

Multi-storey medium to higher density developments are concentrated to the south-west of the site.

The section diagram on adjacent page displays surrounding building heights along Pennant Hills Road facing towards site.

#### SURROUNDING DENSITY

This diagram highlights the mixed use nature of the surrounding urban context. There is a concentration of residential development in the area.

Retail precincts occupy sections along Pennant Hills

#### сцент Meriton



EXISTING CONDITION







# SITE SURROUNDING BUILT FORM (MEDIUM-HIGH DENSITY)

The developments illustrated opposite show examples of medium density housing built in the local area . The developments are within 500m of the subject site.

These developments range from 5 storeys to 9 storeys.



19-23 Post Office St | 5 levels
1 Donald St |6 levels
1-7 Young Rd | 5 levels
1 Post Office St | 9 levels







# SITE SURROUNDING BUILT FORM (HIGH DENSITY)

#### SURROUNDING DEVELOPMENT

The developments illustrated on this page show examples of higher density multi residential buildings approved or built in the local area.

The scale of these developments respond to the growth planned by the light rail. The developments are within 500m of the subject site. These developments range from 9 storeys to 20 storeys.

Buildings numbered 4 and 5 are direct neighbours of the site.











# SITE SURROUNDING BUILT FORM (STREET CHARACTER)

## Existing character and scale study

A photographic study was undertaken to explore the scale and typology of the adjoining streets.

This study shows the varying bulk and scale of the different street sections. Lower "three story walkup" style residence run along Shirley street. Denser developments can be seen towards the Light Rail station and directly adjacent to the subject site along Shirley St.

Images 7 and 8 show where the site adjoins the local retail precinct.





















# 3.0 DESIGN RESPONSE

# PROPOSED MASTERPLAN



A large north-facing green open space is proposed in the heart precinct as an attractor to be surrounded by active uses. These uses include a community library, neighborhood shops, a cafe, a childcare center and residential communal amenities.

### CONNECTORS

Vehicular access is provided from Shirley Street only. A new internal street is proposed to circulate through the site with ample street landscaping and visitor parking. Each building has basement car parking, separate loading and waste management areas.

# STREET ACTIVATION

The proposed precinct is heavily vegetated along its streetscape to offer shading and definition along the internal street network. Bases of buildings are populated by community uses to encourage street activation and passive surveillance across the public realm.

THE PROPOSED MASTERPLAN

The primary principle of this master plan is placemaking. A network of pedestrian connections link Pennant Hills Road, Shirley Street and the light rail stop through the site. The nexus of these connections forms a natural heart to the precinct and becomes a village forecourt.

#### THE PLACEMAKER





**OPEN SPACE / ATTRACTOR** 

CONNECTION TO OPEN SPACE



COMMUNITY USES AROUND ATTRACTOR



ACTIVE ENGAGEMENT TO OPEN SPACE

SITE ACCESS



There are 2no. of two-way vehicular access proposed into precinct is off Shirley Street. (Refer blue arrows).

4no. pedestrian only site access is proposed across the precinct. A key site pedestrian access are located along the western connection to the light rail station between Building G and F. 2no. secondary pedestrian access points are located along Pennant Hills Road, approximatelt 95m apart enabling greater predestrian permeability through the precinct. The other main access into the precinct is along Shirley Street which opens the proposed park to the broader neighbourhood situated along the north.

> PEDESTRIAN ACCESS VEHICULAR ACCESS

# SITE INTERNAL STREET NETWORK



The proposed internal street network is a two-street network connecting Buildings A, B, C, D, F and G.

All building servicing is located on the ground level from the internal street network, with the exception of Building E. Access into Building E is located directly off Shirley Street from the north.

The precinct proposes 3no. new carriageway entries off its Shirley Street boundary.



MAJOR ROAD / HIGHWAY PRIMARY ROAD SECONDARY ROAD INTERNAL SITE ROAD

# DEDICATED PUBLIC OPEN SPACE



Proposed dedication of public open space (RE1 zone) and public access easement connecting to Pennant Hills Road (R4). (highlighted in blue)

Total = 6050sqm

The proposed RE1 zone occupies 45m of 185m (or 24%) of street frontage along Shirley Street.

# PUBLIC AMENITIES



The precinct proposes a variety of uses within the base of the buildings. These include :-

- -A community library
- -Retail uses
- -A childcare
- –A supermarket
- –A park (approx. 4700m2)



DEDICATED AREA (RE1 ZONE) DEDICATED AREA (PUBLICLY ACCESSIBLE THROUGH-SITE LINK) LIBRARY RETAIL USE CHILDCARE SUPERMARKET

# PROPOSED BUILT FORM (SETBACKS FROM BOUNDARY)



Diagram of proposed built form setbacks from site boundary.

10 METER BOUNDARY SETBACK6 METER BOUNDARY SETBACK4 METER BOUNDARY SETBACKBUILT FORM

# PROPOSED BUILT FORM (SETBACKS FROM BLOCKS)



Diagram of setbacks between proposed built form towers.







# UPDATED



PROPOSED BUILT FORM SETBACKS FROM PRECINCT BOUNDARY

# UPDATED



# KEY PLAN



# PROPOSED BUILT FORM (HEIGHTS)



The proposed masterplan infills the gap between the broader precinct sectional analysis spanning from the Carlingford newly established light rail precinct up to Carlingford Village.

The proposed built forms along Pennant Hills Road steps up with the natural site contours and transitions back down to the activity hub located at the cross-junction of Pennant Hills Road and Marsden Road.
### PROPOSED URBAN PRECINCT PENNANT HILLS ROAD SECTION







### PROPOSED URBAN PRECINCT (FUTURE DEVELOPMENT) PENNANT HILLS ROAD SECTION



### PROPOSED URBAN PRECINCT SHIRLEY STREET SECTION

#### EXISTING CONDITION + PROPOSED DEVELOPMENT







### HOUSING DIVERSITY



#### **DEVELOPMENT SUMMARY**

27, 987 sqm Allowable GFA 78 637 sqm Proposed GFA 78 559 sqm Allowable FSR 2.3:1 Proposed FSR 2.3:1

#### RESIDENTIAL MIX

723 Units

sing	26 x one bedroom apartments	4%
	129 x one + bedroom apartments	18%
	358 x two bedroom apartments	50%
	37 x two + bedroom apartments	5%
	141 x three bedroom apartments	20%
	32 x four bedroom apartments	4%

The overall development offers a diversity of apartment mix ranging from one bedrooms to four bedroom dwellings. Average floor areas per apartment range from 50m2 one bedrooms up to 125m2 four bedroom apartments.

**раде** 40

#### TYPICAL BLOCK FLOOR PLATE ARRANGEMENT



#### KEY VISTAS - STREET VIEW 1

VIEW OF PROPOSED DEVELOPMENT FROM SOUTH-WEST CORNER SITE LOOKING UP PENNANT HILLS ROAD









VIEW OF PROPOSED DEVELOPMENT FROM NORTH-EAST CORNER OF SITE FROM JUNCTION OF PENNANT HILLS ROAD AND MARSDEN ROAD









VIEW OF PROPOSED DEVELOPMENT FROM NORTH-EAST CORNER OF SHIRLEY STREET









## KEY VISTAS - NEIGHBOURHOOD VIEW 2

VIEW OF PROPOSED DEVELOPMENT FROM NORTH-WEST CORNER OF SHIRLEY STREET







U2 - 33 METERS T2 - 27 METERS R1 - 21 METERS 02 - 16 METERS



VIEW OF PROPOSED DEVELOPMENT FROM SOUTH-WEST CORNER SITE LOOKING UP PENNANT HILLS ROAD WITH FUTURE 27M PLEP PLANNING ALLOWANCE TO ADJACENT SITE (OVERLAY IN WHITE FILL) VIEW OF PROPOSED DEVELOPMENT FROM NORTH-EAST CORNER OF SITE FROM JUNCTION OF PENNANT HILLS ROAD AND MARSDEN ROAD WITH FUTURE 28M PLEP PLANNING ALLOWANCE TO ADJACENT SITE (OVERLAY

2000





OPEN SPACE SOLAR ACCESS

PROPOSED PARK



### PROPOSED COMMUNITY LIBRARY PROPOSED CHILD CARE

3000 sqm 600 sqm 4760 sqm



#### SOLAR ACCESS TO RE1 ZONE

9AM / JUN 21 - PROPOSED DA

# UPDATED

12PM / JUN 21 - PROPOSED DA

oĺ

F

SHADOWS CAST BY EXISTING DA

SHADOWS REDUCED FROM EXISTING DA SITE BOUNDARY





SHADOW DIAGRAMS LEGEND RE1 ZONE ADDITIONAL SHADOWS CAST BY PROPOSED DEVELOPMENT

### COMMUNITY BENEFITS

The proposed precinct offers a significant publicly accesssible green open space.

The new park is publicly accessible and surrounded by other civic uses for the community, such as a community library, located at the base of Building F and a childcare centre located in Building G. These uses are positioned along the diagonal axis of the north-east down to south-west corridor to the newly established Carlingford light rail precinct.

Other retail uses, such as a local supermarket is earmarked along the publicly accessible throughlink towards Pennant Hills Road for community convinience and benefit.





View 01 View from Shirley St looking east towards proposed pedestrian link to community library and child care



View 02 View from Shirley St looking west towards proposed park and community library at base of Block E

#### 5.0 CONCLUSION

The proposed Carlingford precinct's masterplan strengthens the ability to connect the broader precinct housing, local retail activity hubs and the newly established Carlingford light rail.

A new nexus of green open space is central to its network of connections. This attractor proposed in the form of an expansive green open space is positioned in a location offering maximum solar access to its site. The open space will improve the liveability, local amenity, and walkability for the local community.

The ground plane provides a mixture of compatible non-residential uses, in the form of a community library, a childcare centre, and a supermarket to create an active heart to the development.

The Carlingford Meriton development is set to bridge the broader growth and development of the local neighbourhood. Its envisioned high-quality landscaped network and its green open spaces will become the catalyst for establishing a sense of place and identity in Carlingford. **page** 56

#### 6.0 APPENDICES

**PP01 · PLANNING DOCUMENTS** 

**PP02 - REFERENCE DESIGN** 

**PP03 · SHADOW STUDIES**