

State Environmental Planning Policy No. 65 Design Quality of Residential Apartment Development

15-17 Lupin Ave. & 82 Belmore St, Fairfield

> Project No Pn_21020

FOR

Design Verification Statement Design Quality Principles Apartment Design Guide



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Registered Architect: Jim Apostolou, 7490

State Environmental Planning Policy No 65 - Design Verification Statement

PROPOSED DEVELOPMENT:

Demolition of the existing structures and construction of a six (6) storeys residential development consisting of thirty-nine (39) residential apartments and two (2) levels of basement carparking.

(Project Number: Pn-21020)

Pursuant to the provisions of *State Environmental Planning Policy No.* 65 – *Design Quality of Residential Apartment Development*, I hereby confirm that I am a qualified designer within the meaning of clause 3 of the *Environmental Planning & Assessment Regulation* 2000.

and,

In accordance with clause 50 (1A) of the Environmental Planning & Assessment Regulation 2000 I verify that:

- (a) I directed the design of the residential apartment development described above,
- (b) the design quality principles set out in Schedule 1 of *State Environmental Planning Policy No 65 Design Quality of Residential Apartment Development* are achieved for the above residential apartment development, and
- (c) the objectives in Parts 3 and 4 of the Apartment Design Guide have been achieved.

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Jim Apostolou 25 May 2023



Introduction

This Statement has been prepared having regard to the provisions of State Environmental Planning Policy No 65 – Design Quality of Residential Apartment Development, the Apartment Design Guide and accompanies the Development Application for the:

Demolition of the existing structures and construction of a six (6) storey residential development consisting of thirty-nine (39) residential apartments and two (2) levels of basement carparking.

The Site

The property is known as Nos 15 -17 Lupin Ave & 82 Belmore St, Fairfield and consists of three (3) lots having a legal description of lot 1, lot 2 DP 1154467 and lot 185 DP 15560 with total area of 1414 sqm. On its Eastern boundary the site has common property boundary with No. 16 Belmore Street and on its Southern boundary the site has common property boundary with No. 13 Lupin Avenue.

The site is located on the corner of Belmore Street and Lupin Avenue. The site has a Northern frontage to Belmore Street of 41.29m and a western frontage to Lupin Avenue of 41.55m, the site has a gradual slope towards the corner of Belmore street & Lupin Avenue.



Site plan and surrounds (Source: maps.six.nsw.gov.au)



View of subject site at corner of Belmore St & Lupin Ave



View of subject site at Belmore Street looking East

The Locality

The site is located on southern side of Belmore Street and the locality consists of residential uses. It is located approximately 115m east of the intersection of Belmore Street and Normanby Street. The site is currently occupied by two single storey dwellings and one two storeys dwelling . The site comprises lot 1, lot 2 DP 1154467 and lot 185 DP 15560. It is known as 15-17 Lupin Avenue & 82 Belmore Street, Fairfield and has a total area of 1414 square meters.

The locality around the site contains an eclectic mix of single and double storey dwellings. The locality is well serviced by public transport, being within close proximity Villawood railway station which is located 600m walking distance south-east of the subject site. Finally, the site is within close proximity of community services including Villawood north public School (300m) and Church of God Villawood (220m).



Aerial photograph showing subject site and surrounds (Source: maps.six.nsw.gov.au)



View from Lupin Ave looking North towards Belmore St. (Oct 2020)



View from Belmore St. looking West towards Lupin Ave. (June 2020)

SEPP 65 - Design Quality of Residential Apartment Buildings 15 - 17Lupin Ave & 82 Belmore St, Fairfield



View from Seaman Ave. looking North towards Belmore St. (April 2021)



View from Belmore St Looking East towards Seaman Ave. (Oct 2020)

Development Summary

The development consists of the demolition of the existing structures and construction of a six (6) storey residential development consisting of thirty-nine (39) residential apartments and two (2) levels of basement carparking.

The proposal provides a communal open space on the rooftop. Two (2) level of basement carparking for 30 residential vehicles and ten (10) visitor car parking has been provided with access from Lupin Avenue.

Apartment Type	Number	Mix	Apartment Size
1 Bedroom	6	15%	50-51 sqm
2 Bedroom	30	77%	75-77 sqm
3 Bedroom	3	8%	95-99 sqm

State Environmental Planning Policy No 65 – Design Quality of Residential Apartment Development

Design Quality Principles

<u>Context and neighbourhood character</u> Good design responds and contributes to its context. Context is the key natural and built features of an area, their relationship and the character they create when combined. It also includes social, economic, health and environmental conditions.

Responding to context involves identifying the desirable elements of an area's existing or future character. Well-designed buildings respond to and enhance the qualities and identity of the area including the adjacent sites, streetscape and neighbourhood.

Consideration of local context is important for all sites, including sites in established areas, those undergoing change or identified for change.

Built form and scale

Good design achieves a scale, bulk and height appropriate to the existing or desired future character of the street and surrounding buildings.

Good design also achieves an appropriate built form for a site and the building's purpose in terms of building alignments, proportions, building type, articulation and the manipulation of building elements.

Appropriate built form defines the public domain, contributes to the character of streetscapes and parks, including their views and vistas, and provides internal amenity and outlook The site is located within a locality that consists of a mix of residential developments and neighbourhood shops while detached and semi-detached dwellings are dominant.

The site is located some 600m to Villawood Railway station, recreational and educational facilities are in close proximity to the site.

The proposed development for a 6-storey residential building will be in line with the desired future character of the area and is built with complying setbacks which is the current pattern of development and also the desired future character of the street.

The proposed development has been designed having regard to the scale of development anticipated by the height and FSR standards contained within FLEP 2013.

The development consists of a single building that has a height of six (6) storeys accommodating main entry lobby, communal open space & six residential apartments on the ground floor. Vehicular access to the site for servicing and the basement carpark is from Lupin Avenue. It will provide an improved and high-quality streetscape frontage that will make a positive contribution to the locality.

The building setbacks are generally in accordance with Fairfield Council's DCP requirements and allow for sufficient articulation and the use of materials ensure that the development reads as having a strong base upon which sits a lighter & modulated building consistent with the form established by the adjoining developments to the east.

The articulation created by the geometric shapes of the balconies and the use of a variety of materials ensures the development provides a visually interesting presence that integrates appropriately with the existing streetscape.

The development generally complies with the allowable Height of 20m specified within Fairfield Council.

The proposed scheme is of a scale that consistent within the future character of the locality anticipated by the FSR & height standard.



Photomontage of Proposed Development viewed from east. (Source: Loucas Architects)

Density

Good design achieves a high level of amenity for residents and each apartment, resulting in a density appropriate to the site and its context. Appropriate densities are consistent with the area's existing or projected population. Appropriate densities can be sustained by existing or proposed infrastructure, public transport, access to jobs, community facilities and the

environment

<u>Sustainability</u> Good design combines positive environmental, social and economic outcomes.

Good sustainable design includes use of natural cross ventilation and sunlight for the amenity and liveability of residents and passive thermal design for ventilation, heating and cooling reducing reliance on technology and operation costs. Other elements include recycling and reuse of materials and waste, use of sustainable materials and deep soil zones for groundwater recharge and vegetation The proposed development slightly exceeds the allowable FSR of 2.0 specified within FLEP 2013 as it contains affordable component. The development has an FSR of 2.19 which complies with the bonus FSR for the affordable component. The development is consistent with future planning strategies for the locality and the site is considered both suitable and capable of sustaining the density of the proposed.

The proposed development is sustainable through the use of simple passive strategies that also offer excellent amenity to future residents and includes:

- The apartments are oriented to provide a good level of solar access in mid-winter, providing passive heating and improved daylight penetration in the winter months
- The apartments have good natural ventilation reducing energy demand for heating and cooling.
- Material selection is intentionally robust reducing future and ongoing maintenance.
- The proposal complies with the requirements of the BASIX Certificate which addresses energy efficiency and water savings.
- A deep soil zone has been provided at the rear and the sides of the site that will allow for appropriate canopy tree planting and water infiltration.

SEPP 65 - Design Quality of Residential Apartment Buildings 15 – 17Lupin Ave & 82 Belmore St, Fairfield

Landscape

Good design recognises that together landscape and buildings operate as an integrated and sustainable system, resulting in attractive developments with good amenity. A positive image and contextual fit of well- designed developments is achieved by contributing to the landscape character of the streetscape and neighbourhood.

Good landscape design enhances the development's environmental performance by retaining positive natural features which contribute to the local context, coordinating water and soil management, solar access, micro-climate, tree canopy, habitat values and preserving green networks.

Good landscape design optimises useability, privacy and opportunities for social interaction, equitable access, respect for neighbours' amenity and provides for practical establishment and long-term management

Amenity

Good design positively influences internal and external amenity for residents and neighbours. Achieving good amenity contributes to positive living environments and resident well-being.

Good amenity combines appropriate room dimensions and shapes, access to sunlight, natural ventilation, outlook, visual and acoustic privacy, storage, indoor and outdoor space, efficient layouts and service areas and ease of access for all age groups and degrees of mobility. The proposed development provides two (2) area of communal open space in which the primary open space is located on the rooftop (371sqm) and the secondary is located at the ground level facing the South and east of the site (200sqm).

Communal space is accessible from the main entry lobby for use of residents and visitors.

The rooftop communal space incorporates BBQ facilities, landscaping, seating & covered spaces. These spaces are both accessible to all residents providing an opportunity for social interaction and contributing to the amenity for residents & visitors of the development.

A deep soil zone has been provided at the rear and the sides of the site which allows for appropriate canopy tree planting that softens the appearance of the development from the properties to the south and water infiltration.

Trees are proposed to be planted along the front setback to Council requirements.

The orientation of the site allows for the development to achieve a good level of amenity to the majority of apartments.

- All apartments have good solar access (77%) to living areas and balconies and allow for natural cross ventilation (62%).
- The proposal will offer considerable internal amenity with adequate space, storage, and room sizes to meet the needs of occupants.
- Private outdoor spaces in the form of balconies and terraces have been provided to each apartment to meet residents' recreational needs and these generally exceed the area requirements of the ADG.
- Lift access from the basement to all levels will give easy access for all residents and visitors.
- Substantial communal open space areas have been provided with appropriate facilities at the rooftop and ground floor level that are accessible from the lift and the main lobby.

<u>Safety</u>

Good design optimises safety and security within the development and the public domain. It provides for quality public and private spaces that are clearly defined and fit for the intended purpose. Opportunities to maximise passive surveillance of public and communal areas promote safety. The proposed development has been designed to ensure adequate safety & security within the development are in accordance with CPTED principles:

- Private open space and living areas are located along the street frontage above the street to provide activated spaces that allow good surveillance of the street and surrounds.
- Residential entry points and circulation areas are located at Belmore street, it is clearly separated from public areas without compromising passive surveillance at the same time it is physically and visually secure.
- A secure entry system at residential entry points linked to the apartments allows access through the external security point upon confirmation from inside.
- High quality public domain and architectural lighting throughout the development will assist in securing the area at night.

• Building entries and access ways are clearly identifiable elements of the proposal and provide residents with a direct connection to streets and public areas

<u>Housing diversity and social interaction</u> Good design achieves a mix of apartment sizes, providing housing choice for different demographics, living needs and household budgets.

Well-designed apartment developments respond to social context by providing housing and facilities to suit the existing and future social mix.

Good design involves practical and flexible features, including different types of communal spaces for a broad range of people and providing opportunities for social interaction among residents. The proposal provides apartment type that is needed in the area, configurations, and sizes to cater for different household types, requirements, and levels of affordability.

The proposal includes:

6 x 1 bedrooms (50 - 51 sqm) 30 x 2 bedrooms (75-77 sqm) 3 x 3 bedrooms (95-99 sqm)

Four (4) adaptable apartments have been provided in accordance with Council requirements (10%).

The proximity to bus services and rail, retail outlets, employment, educational, recreational, and medical facilities provide the future residents with equitable access and choice.

Aesthetics

Good design achieves a built form that has good proportions and a balanced composition of elements, reflecting the internal layout and structure. Good design uses a variety of materials, colours and textures. The visual appearance of a welldesigned apartment development responds to the existing or future local context, particularly desirable elements and repetitions of the streetscape. The proposal incorporates a variety of architectural elements, materials and colours that responds to the street and setting. Architectural elements such as entries, balconies, screens, and shading devices provide interest that allows the building to contribute positively to the streetscape.

The proposal is a high-quality development that will contribute to the desired future character of the locality and will enhance the existing surrounding streetscapes.

Apartment Design Guide Compliance with Design Criteria

Part 3

Siting the development

This part provides guidance on the design and configuration of apartment development at a site scale. Objectives, design criteria and design guidance outline how to relate to the immediate context, consider the interface to neighbours and the public domain, achieve quality open spaces and maximise residential amenity. It is to be used during the design process and in the preparation and assessment of development applications

	assessment of development applications							
Section	Objectives		Compliance					
3A Site Analysis		that design decisions have been based onstraints of the site conditions and e surrounding context	Yes					
3B Orientat ion	while optimising solar a	uts respond to the streetscape and site ccess within the development hbouring properties is minimized during	Yes					
3C Public domain interface	without compromising	vate and public domain is achieved safety and security omain is retained and enhanced	Proposal has been prepared having regard to the required street setback of Council's DCP and this facilitates an appropriate relationship between the development and public domain. The planting of street trees can be achieved to create the desired streetscape.					
3D Commun al and public open space	An adequate area of communal open space is provided to enhance residential amenity and to provide opportunities for landscaping Communal open space is designed to allow for a range of activities, respond to site conditions and be attractive and inviting Communal open space is designed to maximise safety Public open space, where provided, is responsive to the existing pattern and uses of the neighbourhood	Design Criteria Communal open space has a minimum area equal to 25% of the site Developments achieve a minimum of 50% direct sunlight to the principal usable part of the communal open space for a minimum of 2 hours between 9 am and 3 pm on 21 June (mid-winter	The proposed development provides two (2) area of communal open space in which the primary open space is located on the rooftop (371sqm) and the secondary is located at the ground level facing the South and east of the site (200sqm) which exceeds the required area. The proposed communal open space will be receiving sun for the full day achieving the 50% being in direct sunlight. Communal space is accessible to all residents providing an opportunity for social interaction and contributing to the amenity for residents & visitors of the development.					

3E Deep soil	Deep soil zones provide areas on the site that allow for and	<u>Design Criter</u> Deep soil zon	<u>n Criteria</u> soil zones are to meet the following:		The proposed development provides 433sqm (31%) of deep soil zones across the rear and the sides of the site which
zones	support healthy plant and tree growth. They improve residential amenity and promote management of water and air quality	Site Area < 650m2 650m2 - 1500m2 > 1500m2 w significant existing tree cover	dimens n - 3m - 6m		complies.
3F Visual Privacy	Adequate building separation distances are shared equitably between neighbouring sites, to achieve reasonable levels of external and internal visual privacy Site and building design elements increase privacy without compromising access to light and air and balance outlook and views from habitable rooms and private open space	from building boundaries a Building Height Up to 12m (4 storeys) Up to 25m (5 - 8 storeys) Over 25m (9+ storeys) Separation d	auired separc s to the side re as follows: Habitable rooms & balconies 6m 9m 12m 12m istances betw site should co arations depe	Non- habitable rooms 3m 4.5m 6m 6m veen buildings ombine required	Up to 25m (5 storeys)Belmore street frontage (Northern Boundary)A 14.5m separation distance to the centerline of street. A 4.5m to the property boundary is provided to the first 4-storeys & 5.65m is provided to the top 2-storeys.Lupin avenue frontage (Western Boundary)A 16m separation distance to the centerline of street. A 6m separation to the property boundary is provided to all floors.Southern boundaryA 4.5m separation distance to the boundary line is provided to all floors with blank wall condition.Eastern boundaryA 6m separation to the property boundary is provided to the first 4-storeys & 9.0m separation distance to the boundary line is provided to the first 4-storeys and the provided to the first 9.00m separation distance to the boundary line is provided to the first 4-storeys and 9.00m separation distance to the boundary line is provided to the top 2-storeys in front of openings.
3G Pedestri an access and entries	addresses the public do Access, entries and path identify	hways are accessible and easy to estrian links for access to streets and			The proposal provides pedestrian access to the residential component from Belmore street. The residential entry is clear and easily identifiable which defines the public/private domain.
3H Vehicle access		re designed and located to achieve ts between pedestrians and vehicles streetscapes			Access to the basement carparking is from Lupin Avenue and is located at the south western corner of the site to minimise vehicular and pedestrian conflicts and provide a contiguous street frontage. Visitor car parking is located on basement floor.

3J	Car parking is	Design Critoria	Fairfield Local Environmenta	Dian 2012
		<u>Design Criteria</u>		
Bicycle	provided based on	For development in the following	(FLEP2013) to promote sust	
and	proximity to public	locations:	transport, reduce car use and	
carparki	transport in		of public transport, walking a	ind cycling.
ng	metropolitan Sydney	• on sites that are within 800 metres of a		
	and centres in	railway station or light rail stop in the	The proposed development of	
	regional areas	Sydney Metropolitan Area; or	affordable units, accordingly	
			of Affordable housing SEPP 2	2021 are
	Parking and facilities	 on land zoned, and sites within 400 	applicable	
	are provided for	metres of land zoned, B3 Commercial		
	other modes of	Core, B4 Mixed Use or equivalent in a		Required
	Transport	nominated regional centre.	0.4 car space per 1 bedroom	2.4 spaces
	·	5	unit (6 units)	(3 spaces)
	Car park design and	the minimum car parking requirement for	0.5 car space per 2 bedroom	15 spaces
	access is safe and	residents and visitors is set out in the	unit (30 units)	
	secure	Guide to Traffic Generating	1 car space per 3 bedroom	3 spaces
	seedre	<u>Developments</u> , or the car parking	unit (3 units)	
	Visual and	requirement prescribed by the relevant	Residents	21 spaces
	environmental	council, whichever is less	1 space per 4 units (visitor)	9.75 spaces
		council, whichever is less	FDCP 2013	(10 spaces)
	impacts of underground car	The car parking needs for a development	Total	31 spaces
	÷			
	parking are	must be provided off street	The proposed development p	
	minimized		residential car spaces on base	
			including 10 visitor spaces w	hich comply
	Visual and		with the applicable of FDCP	standard.
	environmental			
	impacts of above		Four (4) bicycle spaces for re	sidents are
	ground enclosed car		provided within the basemer	
	parking are			0
	minimized			
	Visual and			
	environmental			
	impacts of on-grade			
	car parking are			
	minimized			
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Part 4

Designing the building

This part addresses the design of apartment buildings in more detail. It focuses on building form, layout, functionality, landscape design, environmental performance and residential amenity. It is to be used during the design process and in the preparation and assessment of development applications.

Section	Objectives		Compliance
4A Solar and daylight access	To optimise the number of apartments receiving sunlight to habitable rooms, primary windows and private open space Daylight access is maximised where sunlight is limited	Design Criteria Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours direct sunlight between 9 am and 3 pm at mid- winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas. In all other areas, living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 3 hours direct sunlight between 9 am and 3 pm at mid-winter.	The proposed development provides 77% (30) apartments with a minimum of 2 hours direct sunlight between 9.00am and 3.00pm (mid-winter).

	Design	A maximum of 15% of apartments in a	
	incorporates shading and glare control, particularly for warmer months	building receive no direct sunlight between 9 am and 3 pm at mid-winter	
4B Natural ventilation	All habitable rooms are naturally ventilated The layout and design of single aspect apartments maximises natural ventilation The number of apartments with natural cross ventilation is maximised to create a comfortable indoor environment for residents	Design Criteria At least 60% of apartments are naturally cross ventilated in the first nine storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed Overall depth of a cross-over or cross- through apartment does not exceed 18m, measured glass line to glass line	The proposed development provides 62% (24) apartments are naturally ventilated.
4C Ceiling heights	Ceiling height achieves sufficient natural ventilation and daylight access Ceiling height increases the sense of space in apartments and provides for well- proportioned rooms. Ceiling heights contribute to the flexibility of building use over the life of the building.	Design Criteria Minimum ceiling heights are: Minimum ceiling heights Habitable 2.7m room	The ceiling height of all the residential floors are 2.7m which is compliant.

4D	The layout of	Design Criteria		The proposed develo	pment provides well-	
Apartment	rooms within	Apartments are re		organised and function		
size & layout	an apartment is functional,	following minimur	n internal areas:	varying sizes which s of the ADG:	atisfy the requirements	
	well organised and provides a	Apartment Type	Minimum internal area	Apartment Type	Minimum internal	
	high standard	Studio	35m2		area	
	of amenity	1 bedroom	50m2	1 Bedroom	50 - 51 sqm	
		2 bedrooms	70m2	2 bedrooms	75 - 77 sqm	
		3 bedrooms	90m2	3 bedrooms	95 - 99 sqm	
		one bathroom. Ad increase the minin 5m2 each	rnal areas include only ditional bathrooms num internal area by and further additional	All habitable rooms h equivalent of 10% of room.	nave windows at least the the floor area of that	
		bedrooms increase area by 12m2 eac Every habitable ro in an external wal glass area of not le area of the room. I be borrowed from	e the minimum internal h oom must have a window I with a total minimum ess than 10% of the floor Daylight and air may not			
	Environmental performance of the	Design Criteria Habitable room de maximum of 2.5 x	epths are limited to a the ceiling height	With 2.7m ceiling heir rooms the depth of a		
	apartment is maximised	dining and kitcher	its (where the living, a are combined) the ole room depth is 8m from	All apartments adopt incorporating living, single room. These ro greater than 8.0m.	dining & kitchen as a	
Apartment layouts are designed to accommodate a variety of		10m2 and other b wardrobe space)	have a minimum area of edrooms 9m2 (excluding		artments complies with and area requirements	
	household activities and needs	Bedrooms have a l 3m (excluding wai	minimum dimension of rdrobe space)			
		rooms have a mini • 3.6m for studio apartments	-			
		apartments are at	-over or cross-through least 4m internally to / apartment layout.			

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4E	Apartments	Design Criteria All apartments are required to have				oment provides private
Private	provide appropriately	All apartments are required to have primary balconies as follows:			satisfy the requireme	es of varying sizes which
open space and	sized private	primary balcol	nies as jonows:		satisfy the requireme	nts of the ADG:
balconies	open space and balconies	Apartment Type	Minimum area	Minimum depth	Apartment Type	Balcony
	to enhance	Studio	4m2	-	1 bedroom	8 – 10 sqm
	residential	1 bedroom	8m2	2m	2 bedrooms	10 – 13 sqm
	amenity	2 bedrooms	10m2	2m	3 bedrooms	12 – 32 sqm
		3+ bedroom	12m2	2.4m		1
	Primary private open space and balconies are appropriately located to enhance liveability for residents Private open space and balcony design is integrated into and contributes to the overall architectural form and detail of the building Private open space and balcony design	The minimum as contributing For apartment podium or sim space is provic must have a m minimum dept	g to the balcon ts at ground lev ilar structure, o led instead of o inimum area o	y area is 1m. vel or on a a private open 1 balcony. It	All the apartments ha balconies off living ard further enhances the provision for the apar	eas & bedrooms which private open space
4F Common circulation & spaces	maximises safety Common circulation spaces achieve good amenity and properly service the number of apartments Common circulation spaces promote safety and provide for social interaction between residents	Design Criteria The maximum number of apartments off a circulation core on a single level is eight For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40			single circulation core required fire stairs se level. The circulation core t development provide the ground floor, wide	rving (1) apartment on a hroughout the s a substantial lobby on e corridors, and access e elements allow for the

4G Storage	age designed In addition to storage in kitchens, storage is bathrooms and bedrooms, the following provided in each		Storage areas are provided within the apartments and separate storage cages within the basement and ground floor in accordance with the ADG requirements.	
	apartment	Apartment Type	Storage size volume	
	Additional	Studio	4m3	
	storage is conveniently	1 bedroom	6m3	
	located,	2 bedroom	8m3	
	accessible and	3+ bedroom	10m3	
	nominated for individual apartments	At least 50% of the r located within the ap	equired storage is to be partment	
4H Acoustic privacy	and building layo	e mitigated within ap		The proposed development shall be constructed to achieve the required standards to minimize noise transfer and mitigate noise impacts.
4J Noise and pollution	noise and polluti siting and layout Appropriate nois the building desi	e environments, the i on are minimised thr of buildings se shielding or attenu gn, construction and gate noise transmissic	ough the careful ation techniques for choice of materials	The proposed development shall be constructed to achieve the required standards in accordance with NCC and Australian standards.
4L Ground floor apartments	Street frontage a apartments are l	activity is maximised ocated d floor apartments de	where ground floor	Private open spaces of ground floor apartments are located along the street frontages providing an active street frontage. Amenity, privacy, and safety is provided on ground floor apartments.
4M Facades	while respecting	provide visual intere the character of the ns are expressed by th	local area	The proposal incorporates articulation, materials and colours that provide visual interest along the street frontage. Building functions are clearly expressed through the use of architectural elements and variations in materials/colours.
4N Roof design	and positively re Opportunities to accommodation	are integrated into t spond to the street ouse roof space for re and open space are n	esidential naximised	Roof design to the upper floor is fairly setback to help articulating the façade, reduce any apparent bulk and provide better amenity to the occupants.
	Roof design inco	rporates sustainabili	ty features	
4O Landscape design	Landscape design is viable and sustainable Landscape design contributes to the streetscape and amenity			A detailed landscape plan has been prepared for the development and the objectives are achieved.

4P Planting on	Appropriate soil profiles are provided	A detailed landscape plan has been prepared for the development and demonstrates
structures	Plant growth is optimised with appropriate selection and maintenance	compliance with the objectives.
	Planting on structures contributes to the quality and amenity of communal and public open spaces	
4R Adaptive reuse	New additions to existing buildings are contemporary and complementary and enhance an area's identity and sense of place.	N/A
	Adapted buildings provide residential amenity while not precluding future adaptive reuse	
4S Mixed use	Mixed use developments are provided in appropriate locations and provide active street frontages that encourage pedestrian movement	The proposal facilitates an appropriate relationship between the development and public domain creating an active street frontage that encourages pedestrian movement.
	Residential levels of the building are integrated within the development, and safety and amenity are maximised for residents	
4T Awnings and	Awnings are well located and complement and integrate with the building design	An appropriate entry awning has been provided and integrate into the design of the building.
signage	Signage responds to the context and desired streetscape character	
4U Energy Efficiency	Development incorporates passive environmental design Development incorporates passive solar design to optimize heat storage in winter and reduce heat transfer in	The proposal achieves the requirement for ventilation and solar access which reduces the need for mechanical ventilation.
	summer Adequate natural ventilation minimises the need for mechanical ventilation	A BASIX Certificate accompanies the Development Application which complies with the water and energy ratings required.
4V Water manageme	Potable water use is minimised Urban stormwater is treated on site before being	As required by the BASIX Certificate appropriate water saving devices shall be installed within all apartments.
nt and conservati on	discharged to receiving waters Flood management systems are integrated into site design	An appropriate stormwater management plans and reports have been provided with the Development Application.
4W Waste manageme	Waste storage facilities are designed to minimise impacts on the streetscape, building entry and amenity of residents	Waste storage area for the residential apartments has been provided on the ground level.
nt	Domestic waste is minimised by providing safe and convenient source separation and recycling	
4X Building maintenan	Building design detail provides protection from weathering	Materials used promote longevity of building life and ease of maintenance.
ce	Systems and access enable ease of maintenance Material selection reduces ongoing maintenance costs	Windows are generally able to be maintained and cleaned from the balconies.
		Landscaping involves the use of low maintenance plants and materials.